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580N, 580SN, 580SN WT, 590SN Tractor Loader Backhoe Tier III

Parts Catalog

Print No. 47371403
Replaces: 843001691
Issued 3/2012

CASE CONSTRUCTION

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GENERAL INFORMATION

1. Whenever the terms left and right are used, it should be understood to mean from a position facing in direction of travel.

2. Throughout this manual you may find common hardware not illustrated, but listed in the description column. The service part immediately preceding a hardware listing is the part using these particular items for mounting purposes. This hardware is not included with the service part or assembly when ordered as a replacement.

3. The illustrations show typical assemblies plus individual parts but in all cases may not show the exact shape or detail of parts required. However, the purpose for the illustrations is to identify parts performing like functions. Whenever possible illustrations are located at the beginning of each section or immediately adjacent to the applicable text.

4. CNH America LLC is continually striving to improve its products. We must, therefore, reserve the right to make improvements or changes when it becomes practical and possible to do so, without incurring any obligation to make changes or additions to the equipment sold previously.

CNH America LLC, Racine, WI 53404 U.S.A.

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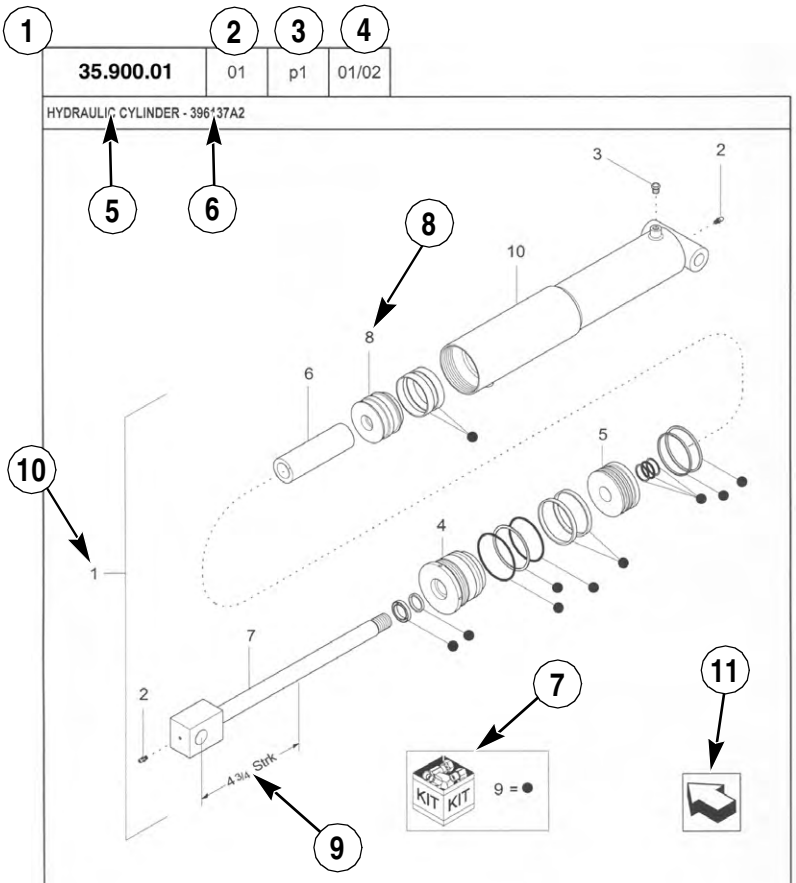
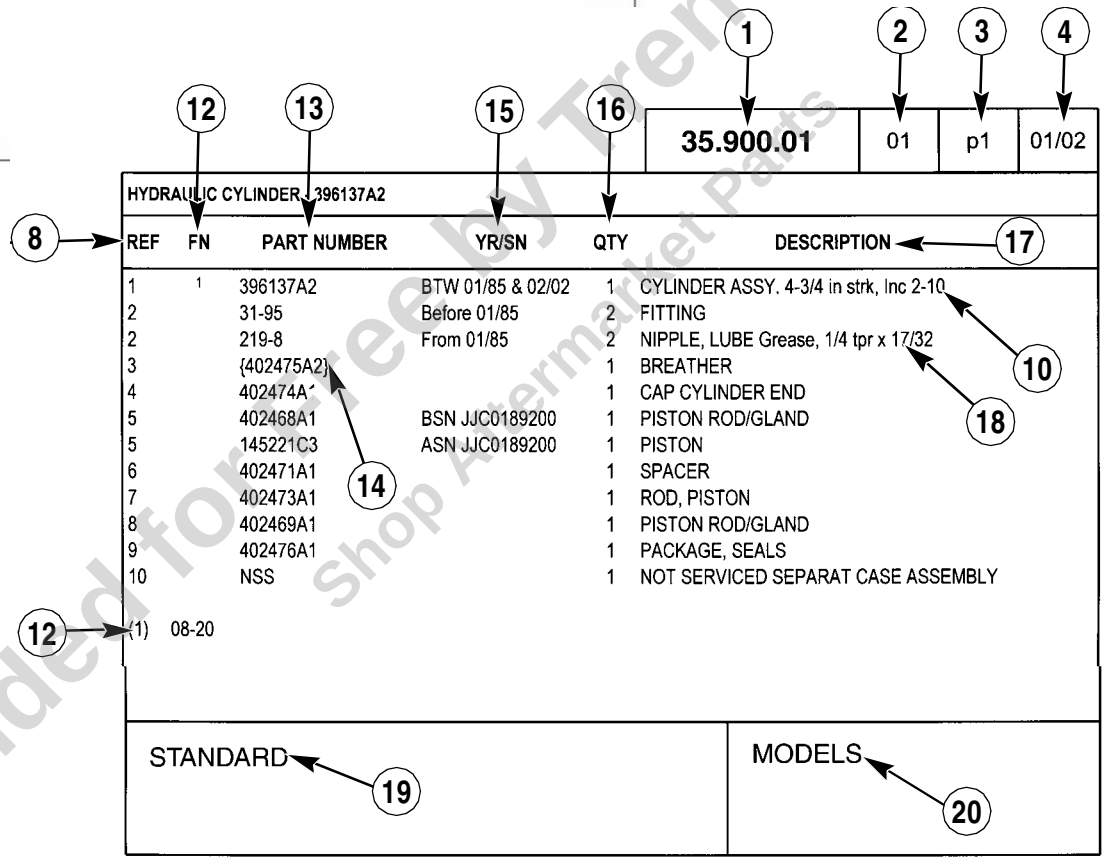
How to Use Your Parts Catalog





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How to Use Your Parts Catalog

1. Figure Number
2. Sequence code within the Figure Number
3. Page number within the Sequence Code
4. Date of Printing (month / year)
5. Figure Description
6. General information regarding the figure
7. Parts supplied in repair kits per symbol reference
8. Figure call-out of the part number (REF)
9. Technical Specifications relating to the part indicated
10. Figure call-out includes bracketed items, the included items may also be listed in the additional description area
11. Orientation - Arrow indicates front of the machine
12. Footnote - Additional information relating to the part number. In this example, 08-20 equals another figure that this part is shown on.
13. Part Number
    NSS = Non-serviced parts
    Bracketed numbers = not available as service parts in this market
14. Not Available as service part in this market
15. YR/SN
    Year
    Before 01/85 = Part valid for production January 1985 and before
    From 01/85 = Part valid for production from January 1985 and after
    BTW 01/85 & 02/02 = Part valid for machines produced between January 1985 and February 2002.

    Serial Number (P.I.N.)
    BSN JJC0268800 = Part valid for serial number JJC0268800 and below
    ASN JJC0268800 = Part valid for serial number JJC0268800 and above
    BTW JJC0178000 & JJC0179000 = Part valid for serial numbers between JJC0178000 & JJC0179000
16. Total Quantity of the Part referred to in the page. The quantity can be replaced by the following indications:
    AR = quantity as required
    X = as required
17. Part Description
18. Additional description of the part to help confirm identification
19. Figure Notes
20. Model Number(s)

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Explanation of Abbreviations

Abbreviation	Meaning
adj	adjustable
amp	ampere
AR	As required
ASN	Serial number and after / P.I.N. and after
barb	barb
blkhd	bulkhead
boss	boss
BSN	before serial number / before P.I.N
BTW	between
cc	cubic centimetre
chain	chain
cl	class
cp pt	cup point
CRS	Chrome Alloy Steel
CST	Carbon Steel
cu yd	cubic yard
deg	degree
dia	diameter
dr type	drive type
dry	dry
fc	face
fc sl	face seal
fem	female
fem PT	female pipe thread
fl	flare
ft	feet (or foot)
gal	gallon(s)
gr	grade
hd	head
hp	horsepower
ID	inside diameter

Abbreviation	Meaning
in	inch(es)
Inc.	includes
inv fl	inverted flare
K	kilo
kg	kilogram
L	litre
lb	pound(s)
lg	long
LH	left hand
LH thd	left hand thread
links	links
M	(prefix) metric thread size
m	metre
male	male
mm	millimetre
NF	National Fine
No.	number
NS	National Super Fine
OD	outside diameter
ohm	electrical unit of resistance
Or	O-ring
orifice	orifice
P	pitch
piece	piece
psi	pounds per square inch
PT	pipe thread
rd	round
rd holes	round holes
RH	right hand
RH thd	right hand thread
rpm	revolutions per minute

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Explanation of Abbreviations

Abbreviation	Meaning
sl	self locking
slat	slat
spool	spool
sq	square
SST	Stainless Steel
st	self tapping
stem	stem
strk	stroke
sw	swivel
T	teeth
Teflon	Teflon
thin	thin
thk	thick
tpr	taper

Abbreviation	Meaning
tube	tube
type	type
V	volt(s)
W	watt(s)
way	way
wide	wide
X	as required
yd	yard

Dimensions

Metric and U.S. hardware dimensions do not show the numeric designations of standard coarse threads. A number following a semi colon (;) is the class or grade of hardware. A comma (,) represents the decimal point (.) used in U.S. dimensions.

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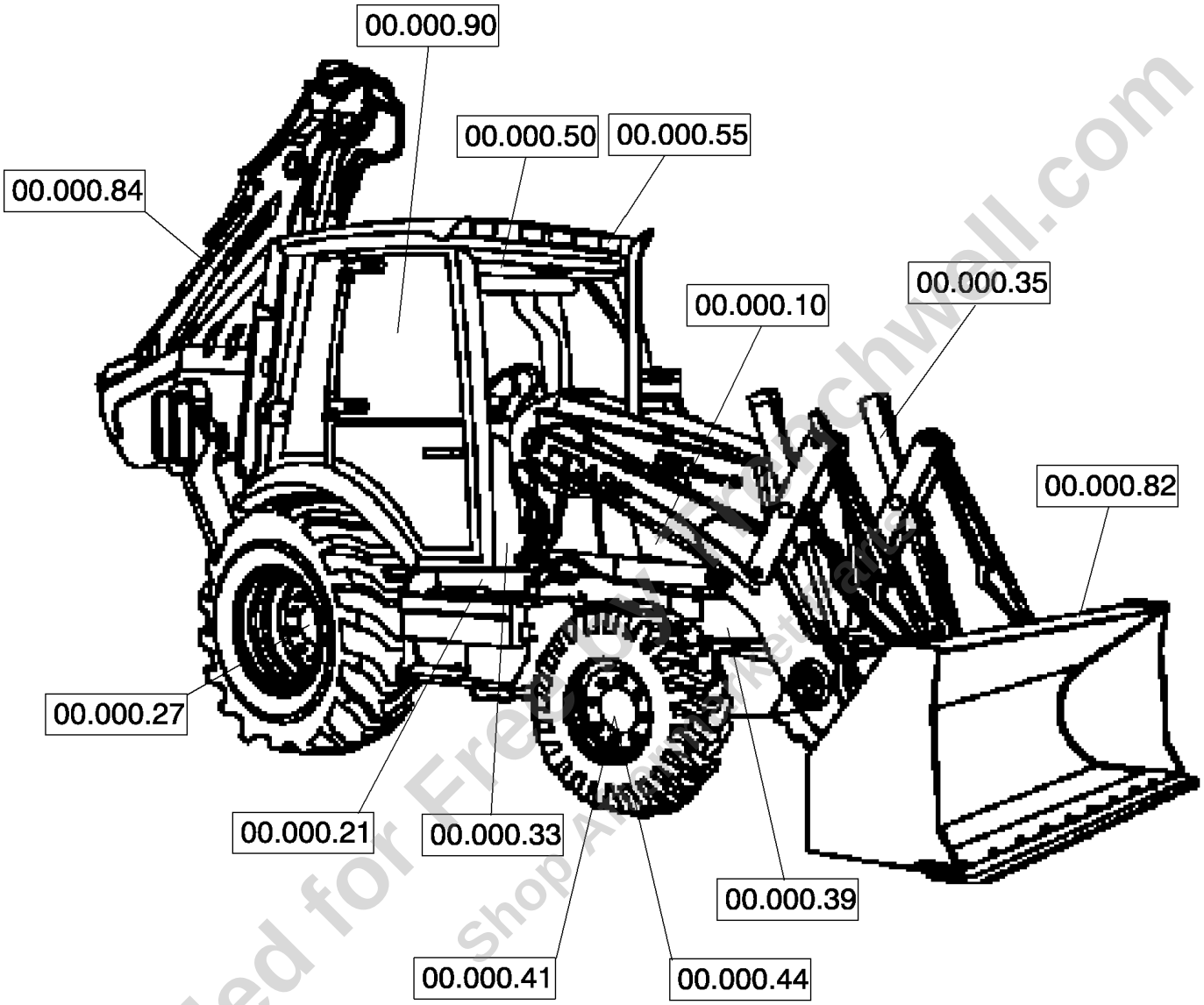

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REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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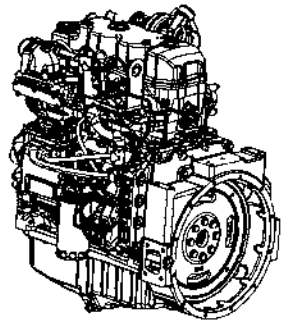
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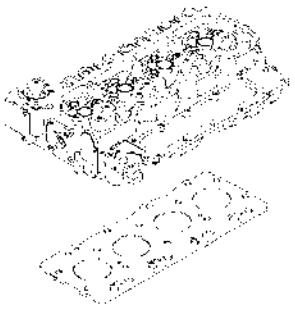
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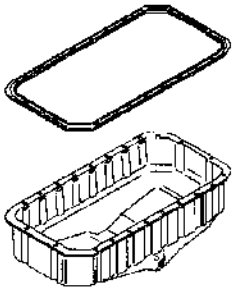
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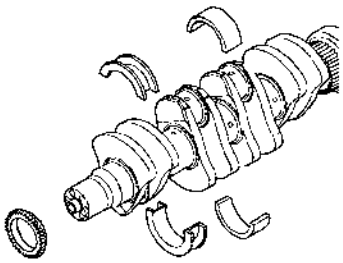
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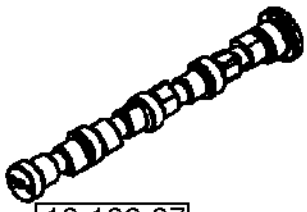
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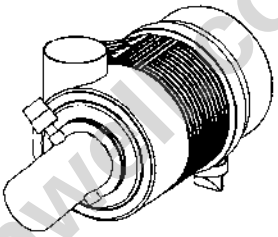
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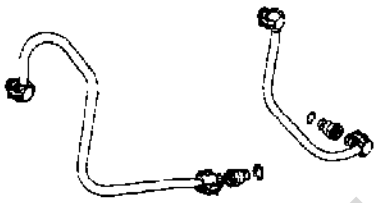
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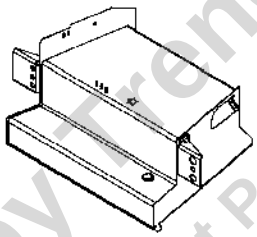
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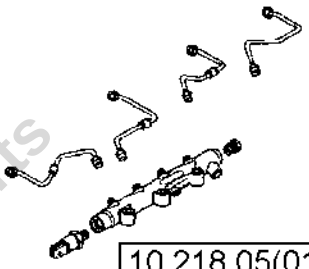
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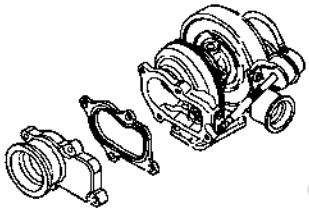
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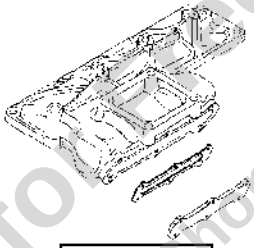
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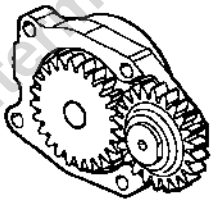
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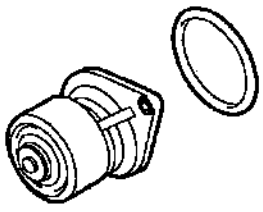
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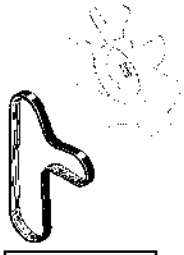
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REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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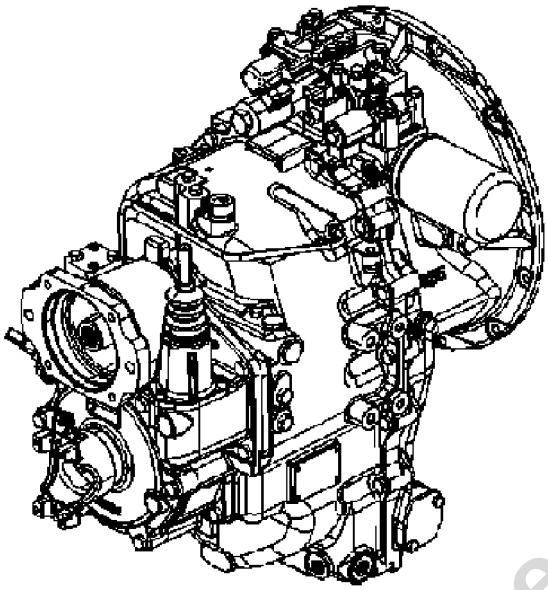

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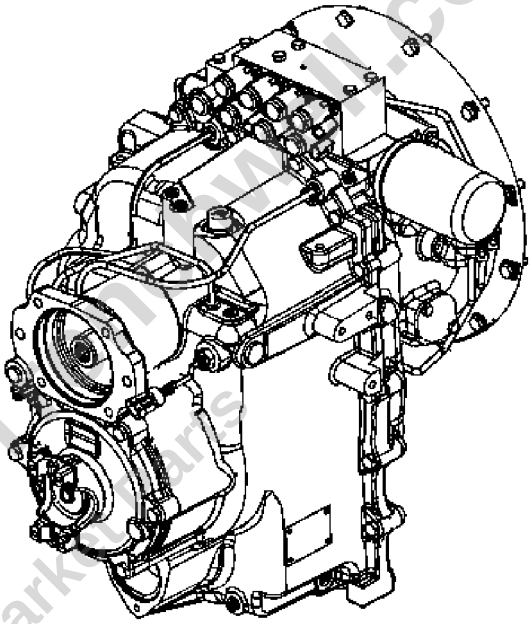

21.113.01(01)

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PICTORIAL INDEX - TRANSMISSION

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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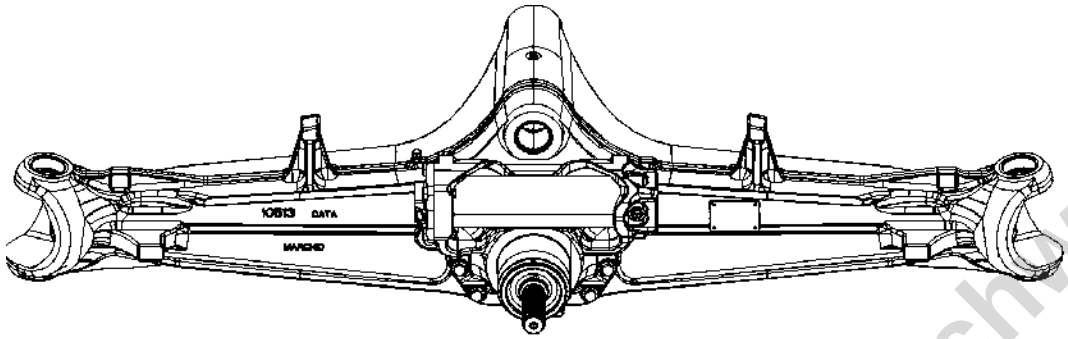

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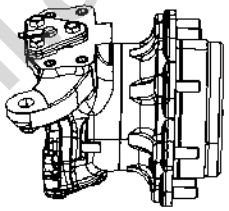

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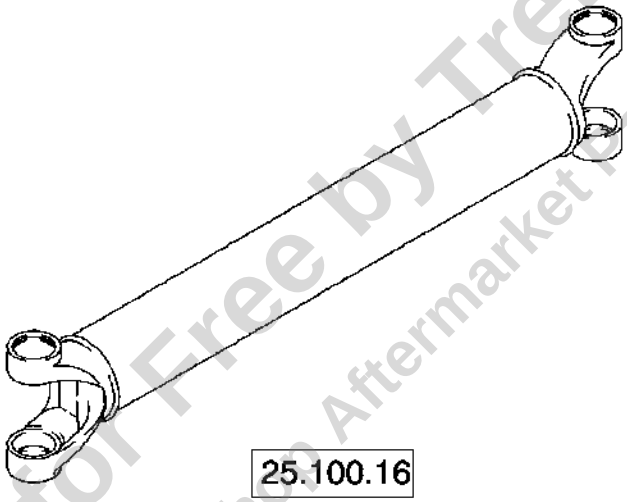

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PICTORIAL INDEX - FRONT MECHANICAL DRIVE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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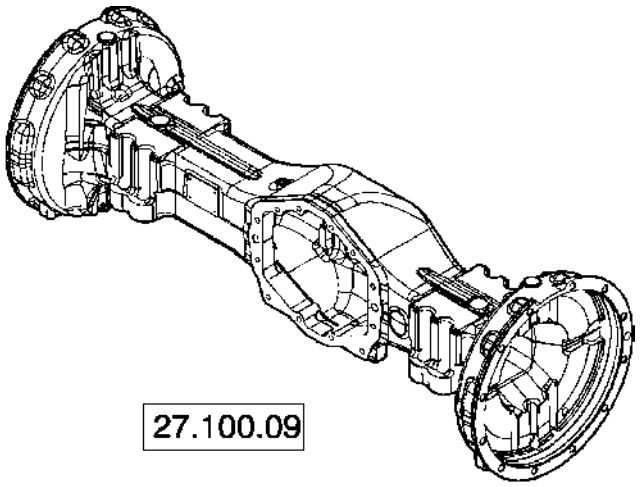
PICTORIAL INDEX - REAR DRIVE AXLE



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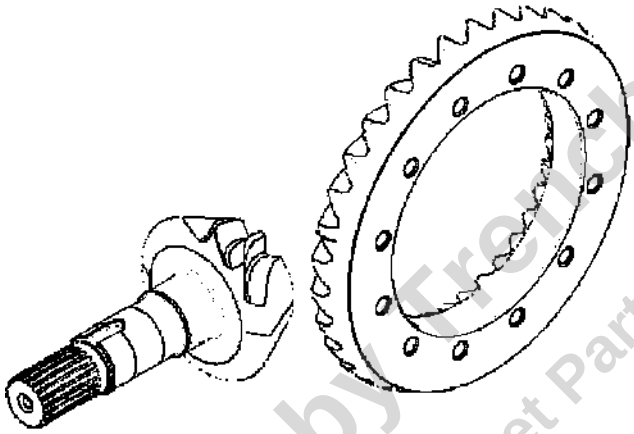

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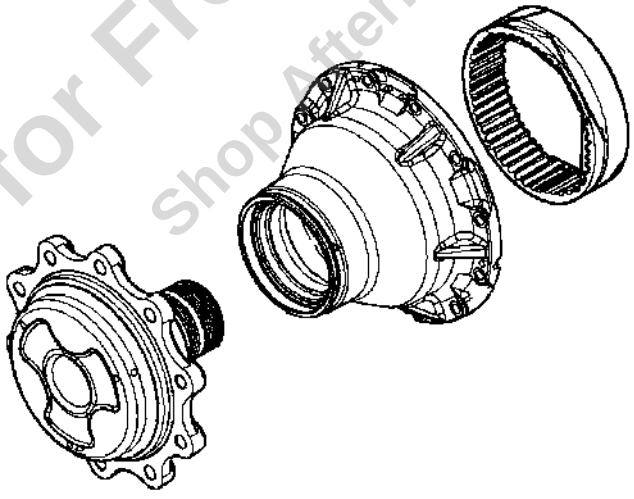

27.120.02(01)

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PICTORIAL INDEX - REAR DRIVE AXLE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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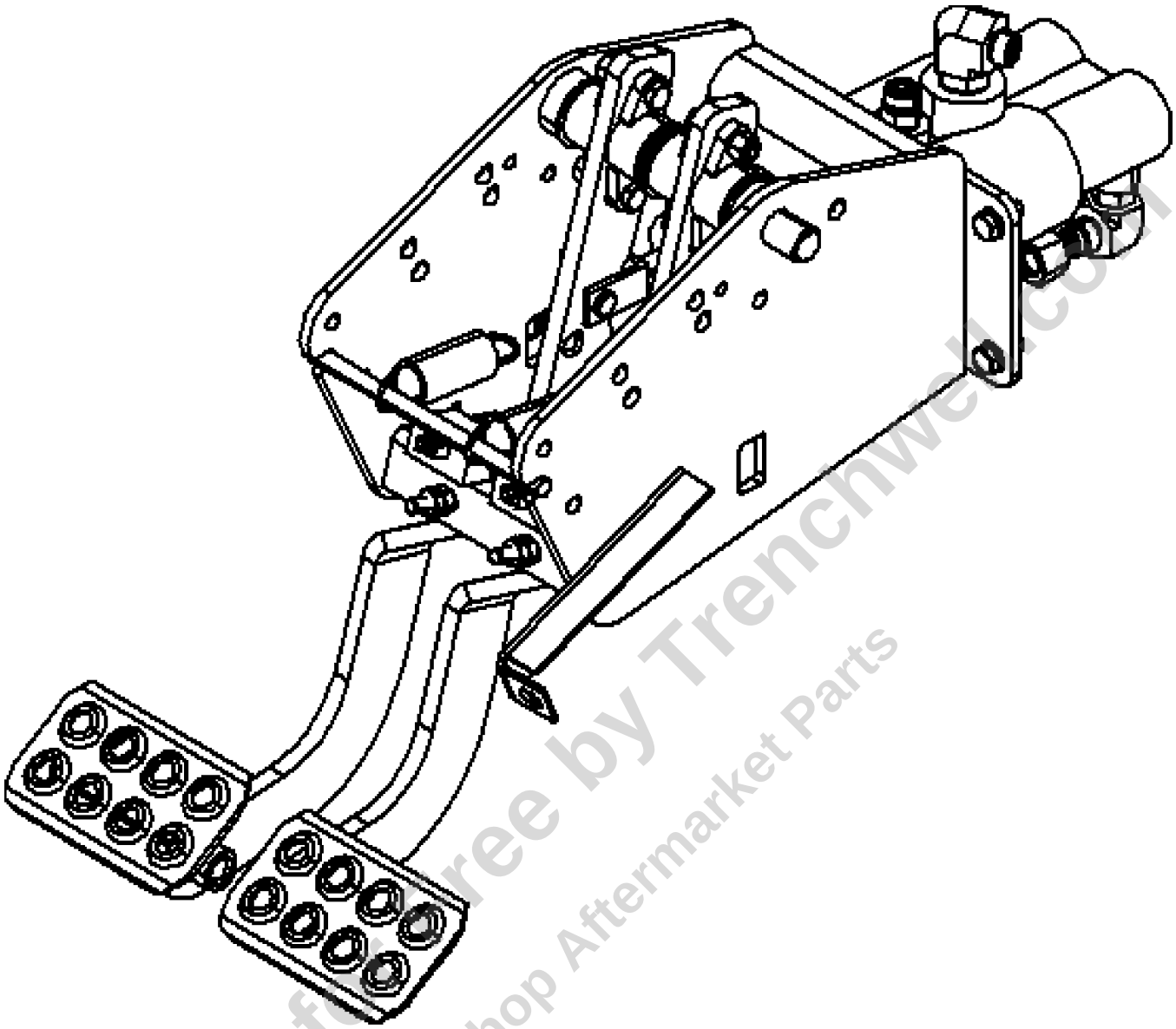

33.202.03

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REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580SN WT 580SN

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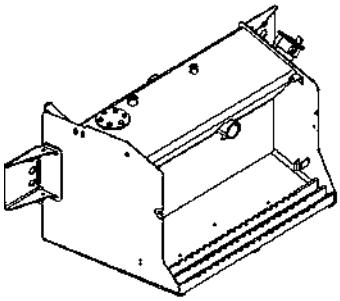

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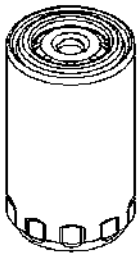

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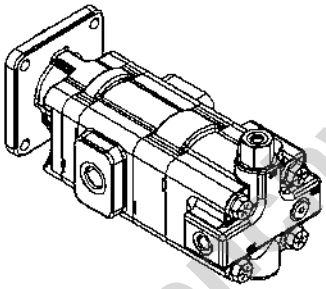

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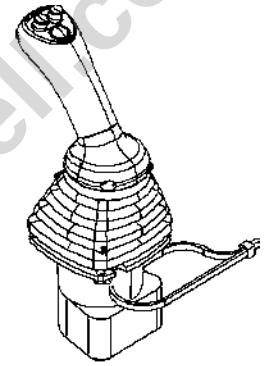

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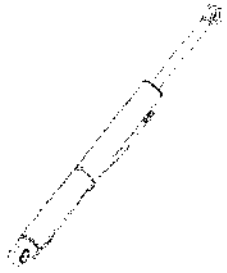

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REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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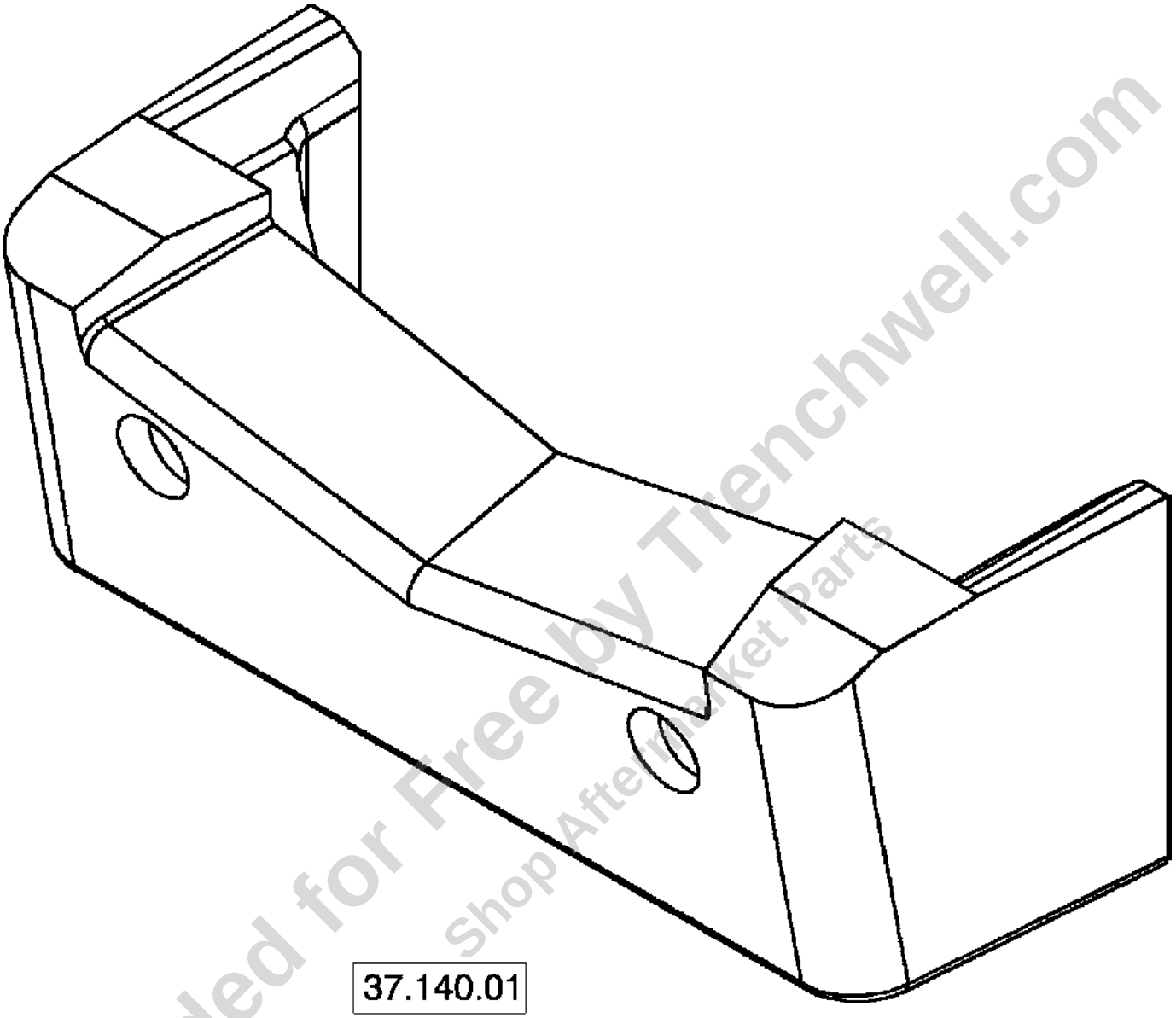

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PICTORIAL INDEX - TOWING HOOKS & BALLISTING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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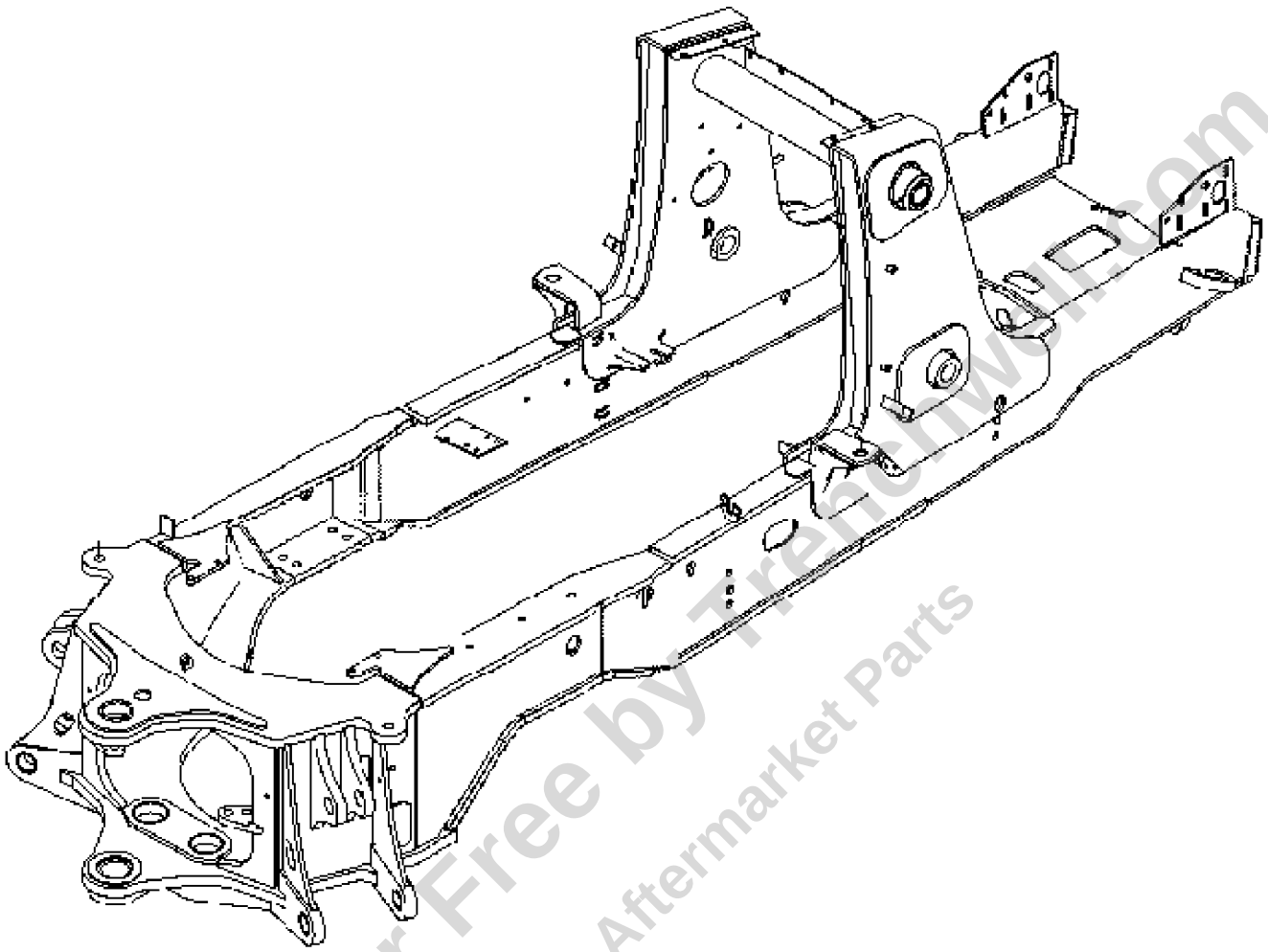

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REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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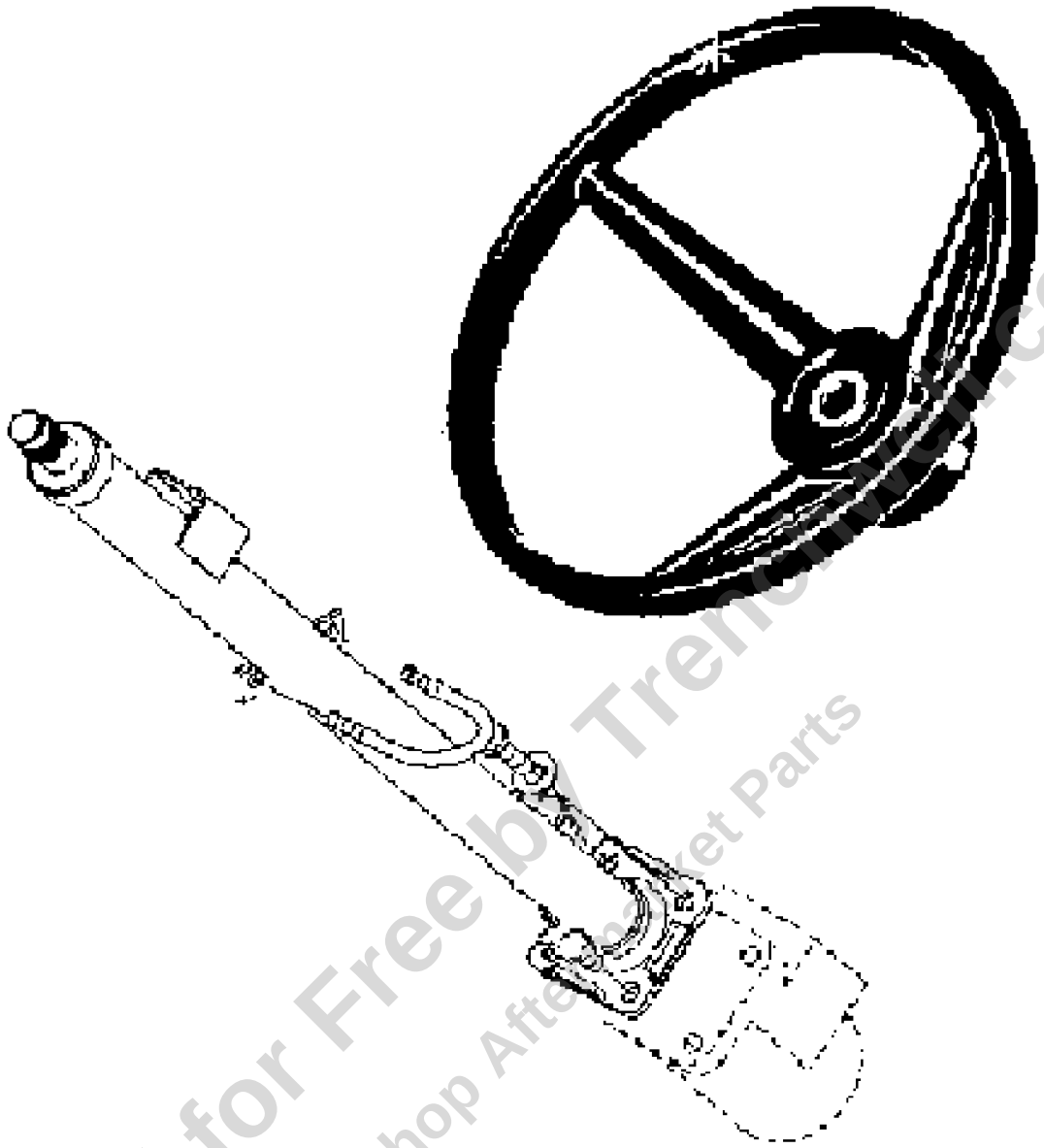

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PICTORIAL INDEX - STEERING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580SN WT 580SN

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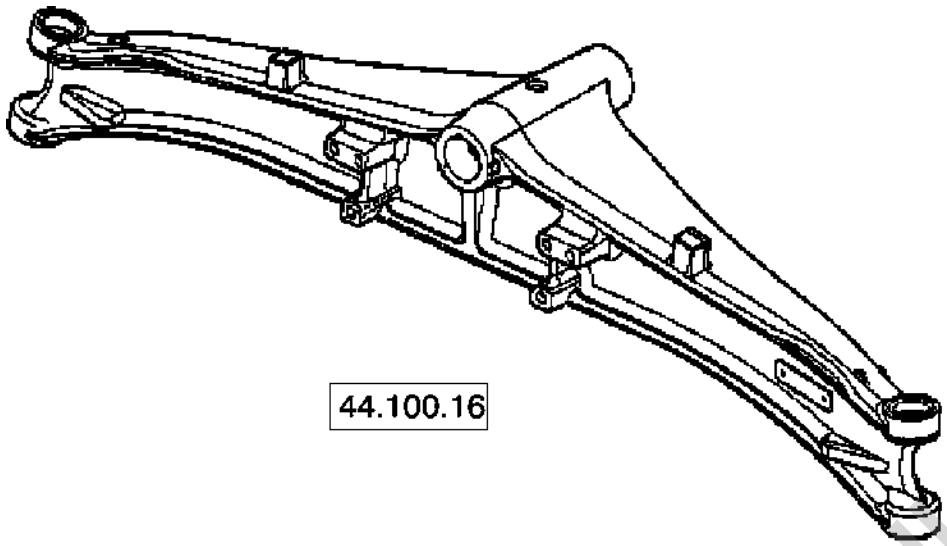
PICTORIAL INDEX - AXLE & WHEELS



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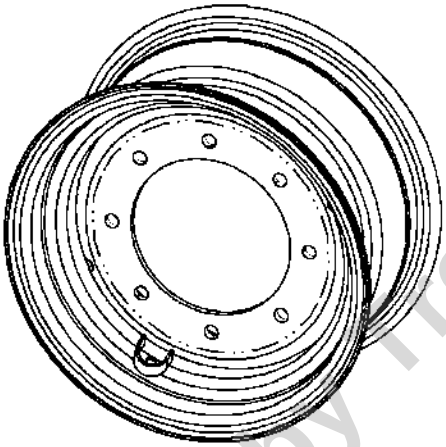

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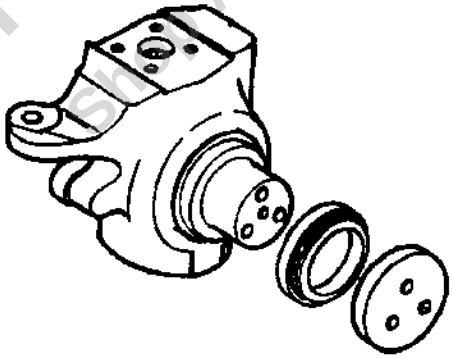

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PICTORIAL INDEX - AXLE & WHEELS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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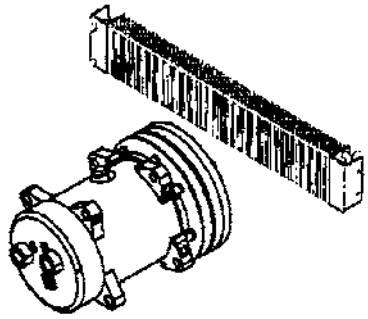

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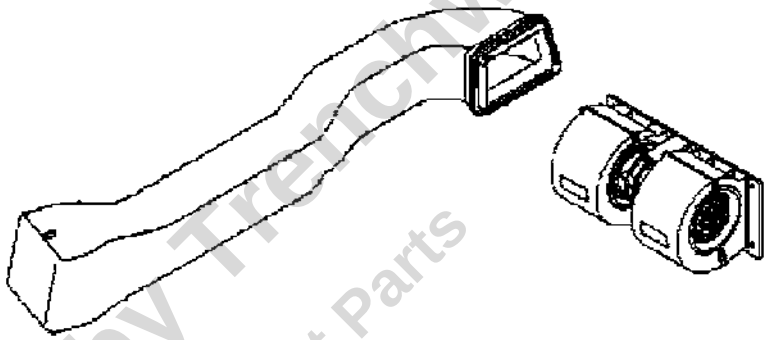

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PICTORIAL INDEX - CAB CLIMATE CONTROL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580SN WT 580SN

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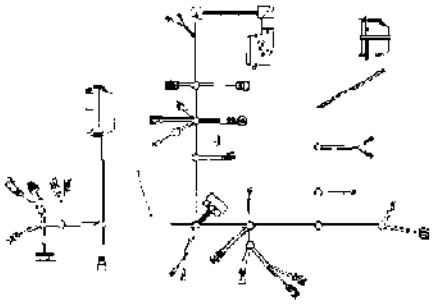

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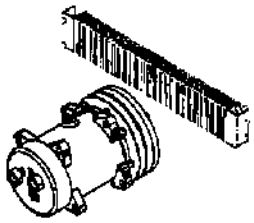

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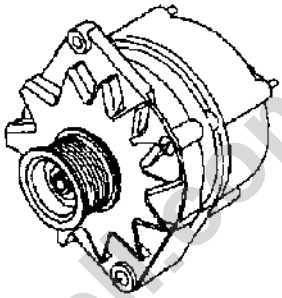

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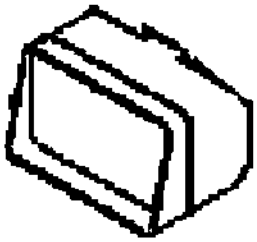

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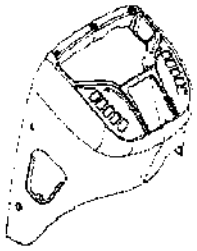

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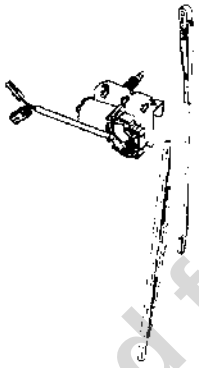

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PICTORIAL INDEX - ELECTRICAL SYSTEM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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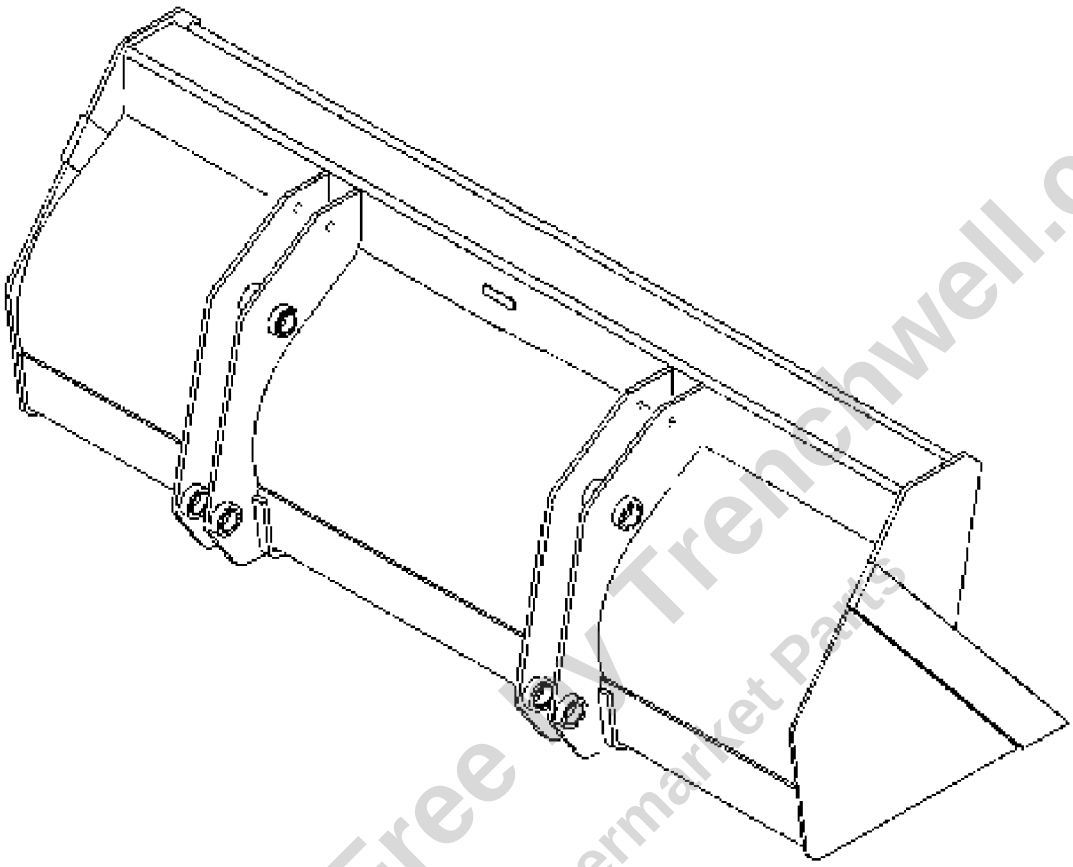
PICTORIAL INDEX - FRONT LOADER



82.100.01(01)

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PICTORIAL INDEX - FRONT LOADER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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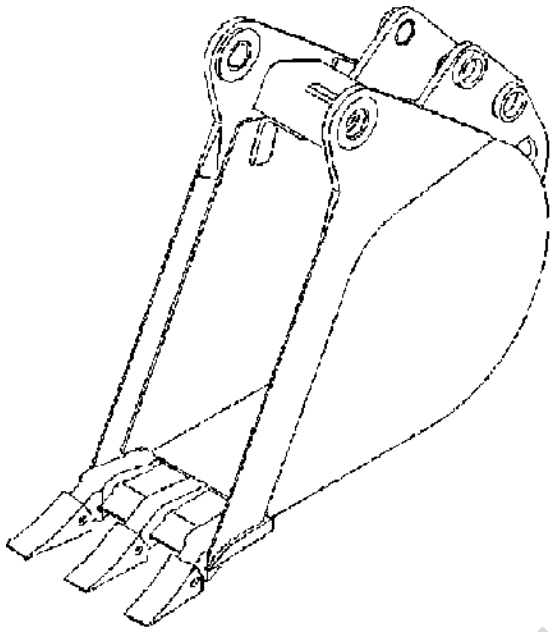
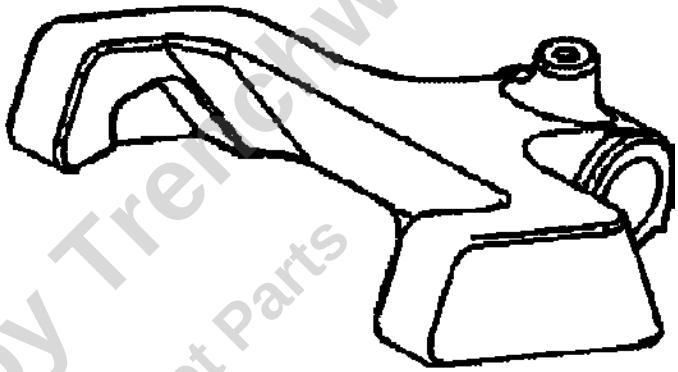
PICTORIAL INDEX - BACKHOE



84.100.01(01)



84.120.01(01)

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PICTORIAL INDEX - BACKHOE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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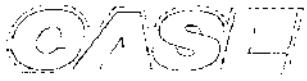
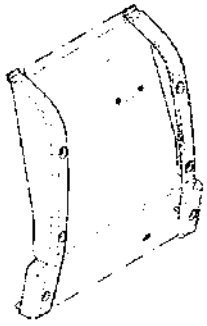
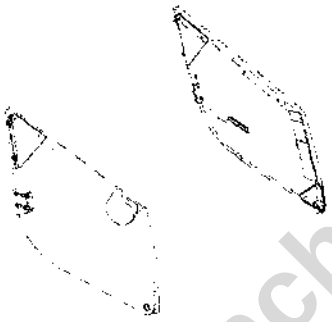
PICTORIAL INDEX - PLATFORM, CAB, BODYWORK AND DECALS



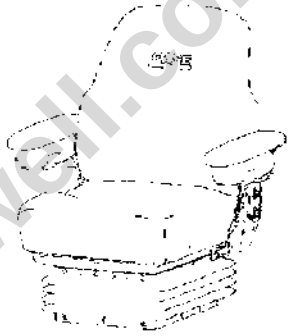
90.108.01(01)



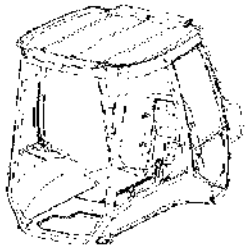
90.110.07



90.116.01



90.120.01(01)
90.124.11



90.150.02

90.154.02

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PICTORIAL INDEX - PLATFORM, CAB, BODYWORK AND DECALS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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BUCKET RETROFIT KIT

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BUCKET RETROFIT KIT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84304990		1	SERVICE KIT, Bucket Retrofit

580N 580SN WT
590SN 580SN

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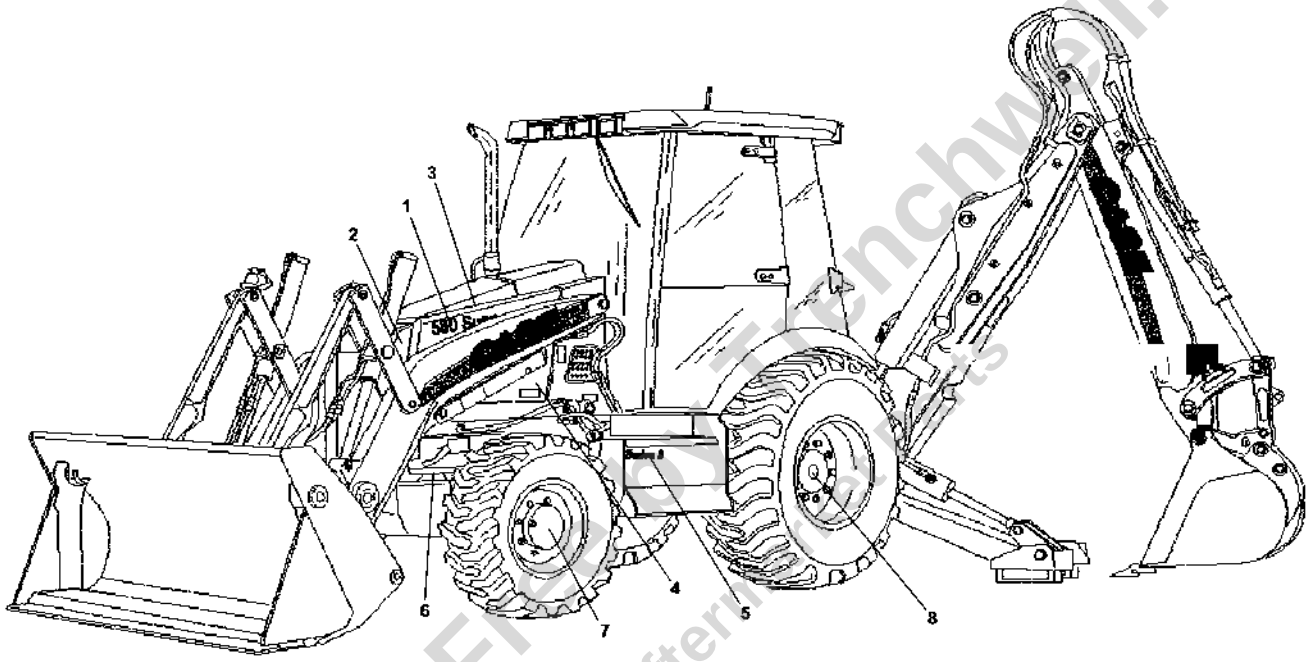
FILTERS AND CAPACITIES



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FILTERS AND CAPACITIES

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87803261		1	ENGINE OIL FILTER
		{}			Engine Oil Capacity With Filter Change 13.6 Liters (14.4 Quarts)
		{}			Engine Oil Type CASE Akcela Number 15W-40 API CI-4
2		{}			Cooling System Capacity With Heater 18.0 Liters (19.0 Quarts)
		{}			Cooling System Capacity Without Heater 17.3 Liters (18.3 Quarts)
		{}			Coolant Type CASE HD Universal Low- Silicate
3		87548612		1	FUEL FILTER, Primary (In-Line) (580N)
3		84214564		1	FUEL FILTER, Secondary (580N)
3		87803445		1	FUEL FILTER, Primary (580SN, 580SN WT, 590SN)
3		87803200		1	FUEL FILTER, Secondary (580SN, 580SN WT, 590SN)
		{}			Fuel Tank Capacity 159 Liter (42.0 Gallons) Number 2 Diesel
4		87682989		1	AIR FILTER, Engine Air, Primary
4		87682999		1	AIR FILTER, Engine, Secondary
4		360260A2		1	CAB FILTER, Air
5		84255607		1	ELEMENT, Hydraulic Spin- on
		{}			Hydraulic Oil Capacity Entire System 111.5 Liters (29.45 Gallons)
		{}			Hydraulic Oil Capacity Entire System With Extendahoe 117.2 Liters (30.95 Gallons)
		{}			Hydraulic Oil Capacity Reservoir With Filter 47.1 Liters (12.45 Gallons)
		{}			Hydraulic Oil Capacity Reservoir Without Filter 45.2 Liters (11.95 Gallons)
		{}			Hydraulic Oil Type CASE Akcela Hy-Tran Ultra
6		254686A2		1	FILTER, Transmission Oil
		{}			Transmission Capacity 2 Wheel Drive Entire System 17.0 Liters (18.0 Quarts)
		{}			Transmission Capacity 2 Wheel Drive Refill With or Without Filter Change 10.5 Liters (11.1 Quarts)

580N 590SN
580SN WT 580SN

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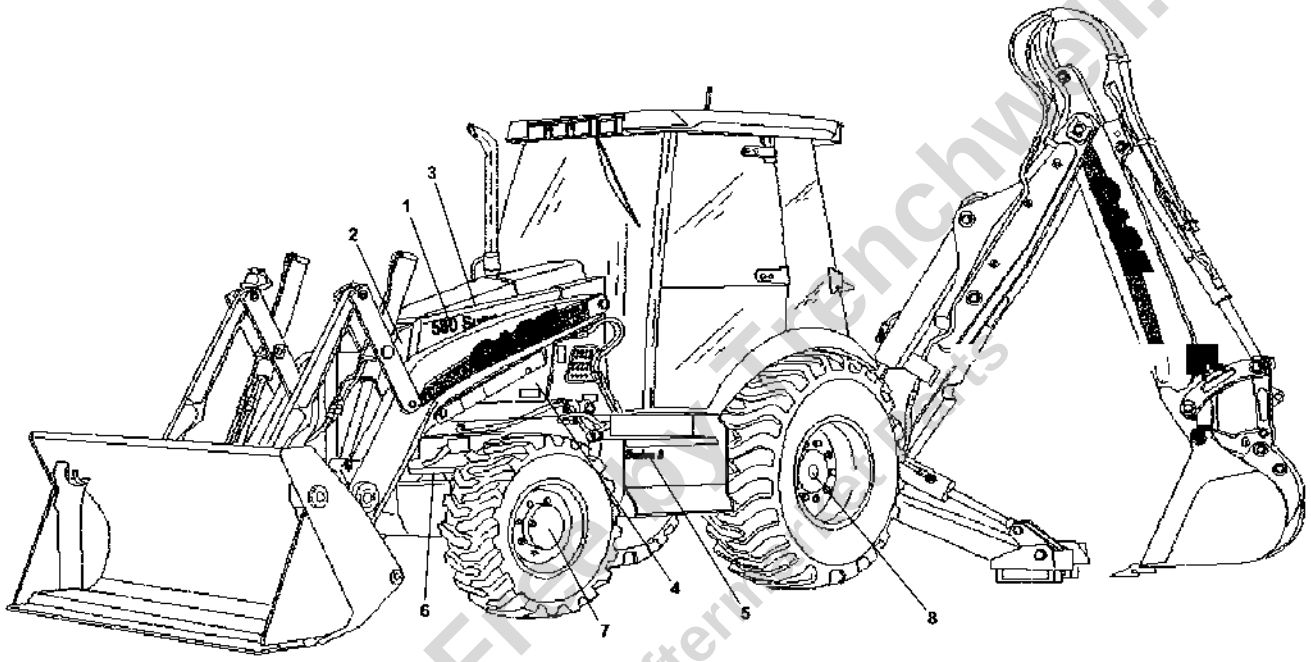
FILTERS AND CAPACITIES



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FILTERS AND CAPACITIES

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		{}			Transmission Capacity 4 Wheel Drive Entire System 19.4 Liters (20.5 Quarts)
		{}			Transmission Capacity 4 Wheel Drive Refill With or Without Filter Change 12.9 Liter (13.7 Quarts)
		{}			Transmission Capacity 4 Wheel Drive Powershift Entire System 17.9 Liters (19.0 Quarts)
		{}			Transmission Capacity 4 Wheel Drive Powershift Refill With or Without filter Change 11.3 Liter (12.0 Quarts)
		{}			Transmission Oil Type CASE Akcela Hy-Tran Ultra
7		{}			Front Drive Axle Capacity Entire System 6.9 Liters (7.3 quarts)
		{}			Front Drive Axle Capacity Center Bowl 5.5 Liters (5.8 Quarts)
		{}			Front Drive Axle Capacity Wheel End (Each) 0.71 Liters (0.75 Quarts)
		{}			Front Drive Axle Oil Type CASE Transaxle SAE 80W140
8		{}			Rear Drive Axle Oil Capacity Entire System 13.6 Liters (14.4 Quarts)
		{}			Rear Drive Axle Oil Type CASE Transaxle SAE 80W140

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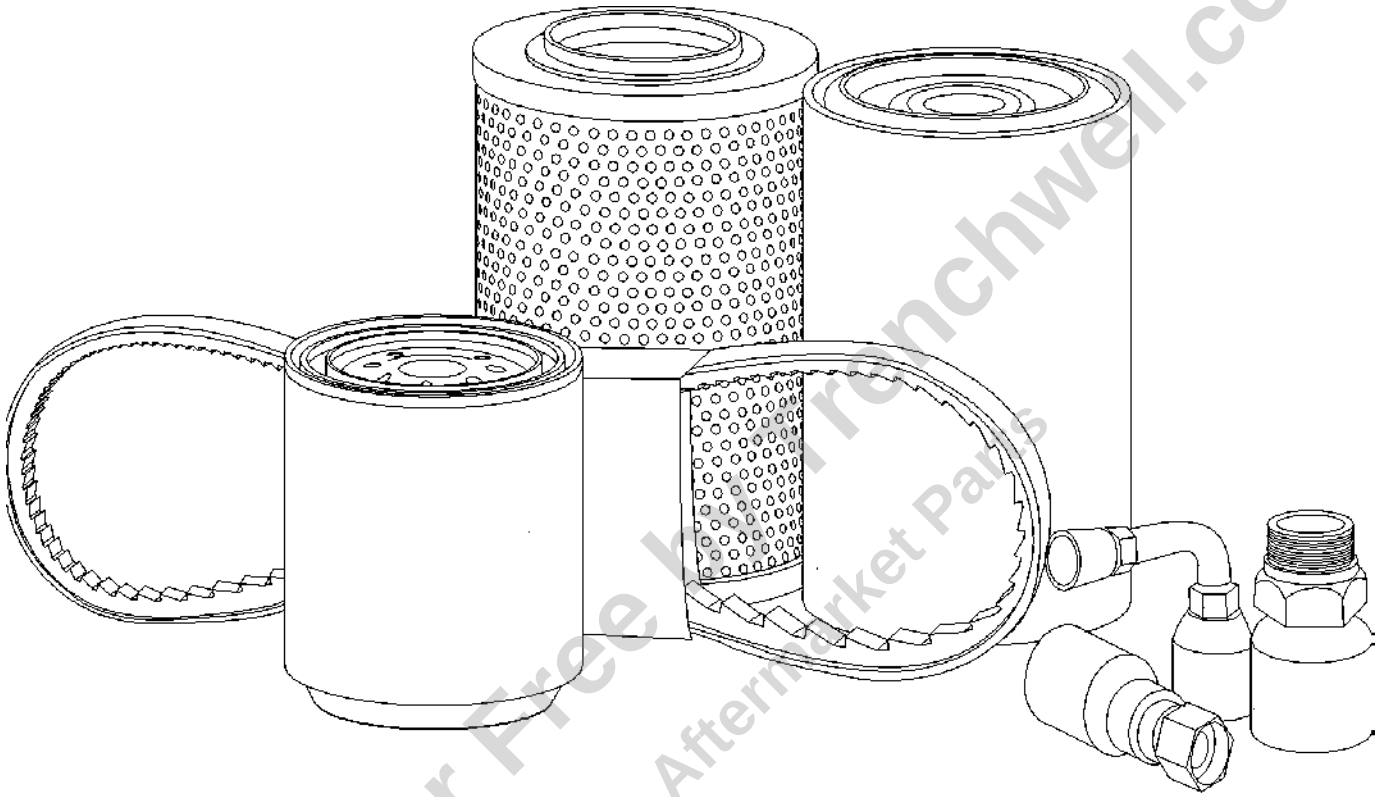
INITIAL STOCKING LIST "A" (ISL) - FOR NA ONLY



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INITIAL STOCKING LIST "A" (ISL) - FOR NA ONLY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84278184		1	BELT
2		87548076		1	BELT, 0.55" W x 47.95" L, 4 Ribs
3		87393292		1	V-BELT, 13.50 mm W
4		360260A2		1	CAB FILTER
5		87803261		2	ENGINE OIL FILTER
6		87548612		1	FUEL FILTER
7		84214564		1	FUEL FILTER
8		87803445		1	FUEL FILTER
9		87803200		1	FUEL FILTER
10		84255607		1	ELEMENT, Hydraulic Oil Filter
11		87682989		2	AIR FILTER
12		87682999		2	AIR FILTER
13		254686A2		1	FILTER, Transmission
14		278534A1		1	FILTER SCREEN, Transmission

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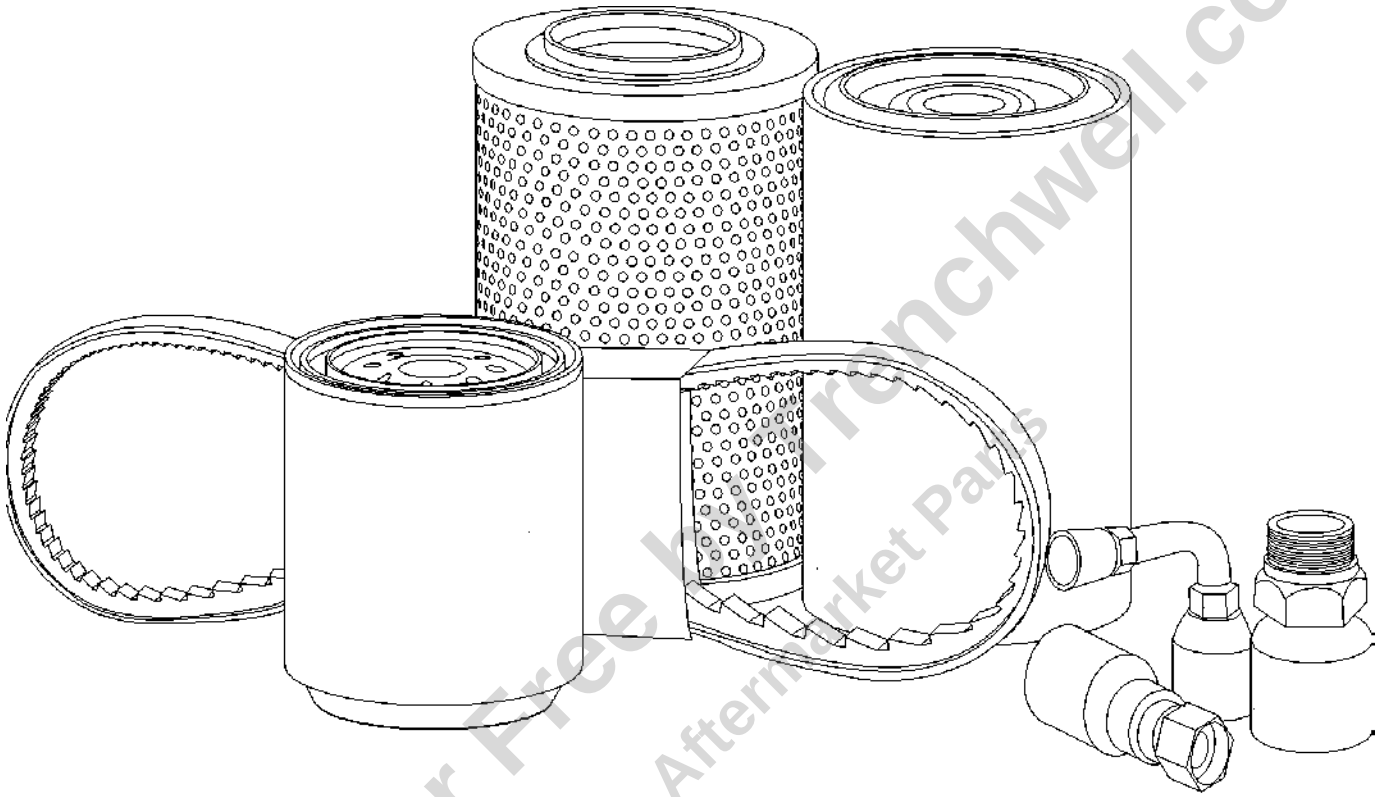
INITIAL STOCKING LIST "B" (ISL) - FOR NA ONLY



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INITIAL STOCKING LIST "B" (ISL) - FOR NA ONLY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		A166057		1	TEMPERATURE SENDER
2		85803019		1	FILLER CAP
3		87584890		1	LIGHT ASSY.
4		84236850		1	LIGHT
5		87301972		2	FLASHER LAMP
6		87301973		2	FLASHER LAMP
7		87578455		2	FLASHER UNIT
8		D135384		2	LAMP
9		D121152		2	LAMP
10		282775A1		1	IGNITION SWITCH
11		2852136		1	CAP
12		2830734		1	THERMOSTAT
13		2852154		1	GASKET
14		2855287		1	HOUSING
15		4899115		1	O-RING, 11.3mm ID x 2.2mm Width
16		4894641		1	CAPTIVE WASHER SCREW, M12 X 1.25 X 31mm
17		2852091		1	SCREW
18		2830266		1	FUEL PUMP
19		2852105		1	TUBE
20		2852108		1	RIGID TUBE
21		2852065		1	TUBE, 264, 110 mm Length
22		J903380		1	SEAL
23		8097552		1	SCREW
24		2852125		1	DIPSTICK
25		2853410		1	FILLER CAP
26		2852889		1	PRESSURE SWITCH
27		4899106		1	HYD CONNECTOR, 11/16"-16 x M10
28		2852102		1	PIPE
29		84227023		1	BUSHING
30		87669401		1	WIPER BLADE
31		87669761		1	WIPER BLADE
32		84270815		2	PIN
33		87454377		1	HOSE,LARGE, 45.00 mm ID x 289.50 mm, SAE 20R4 CLASS D-1

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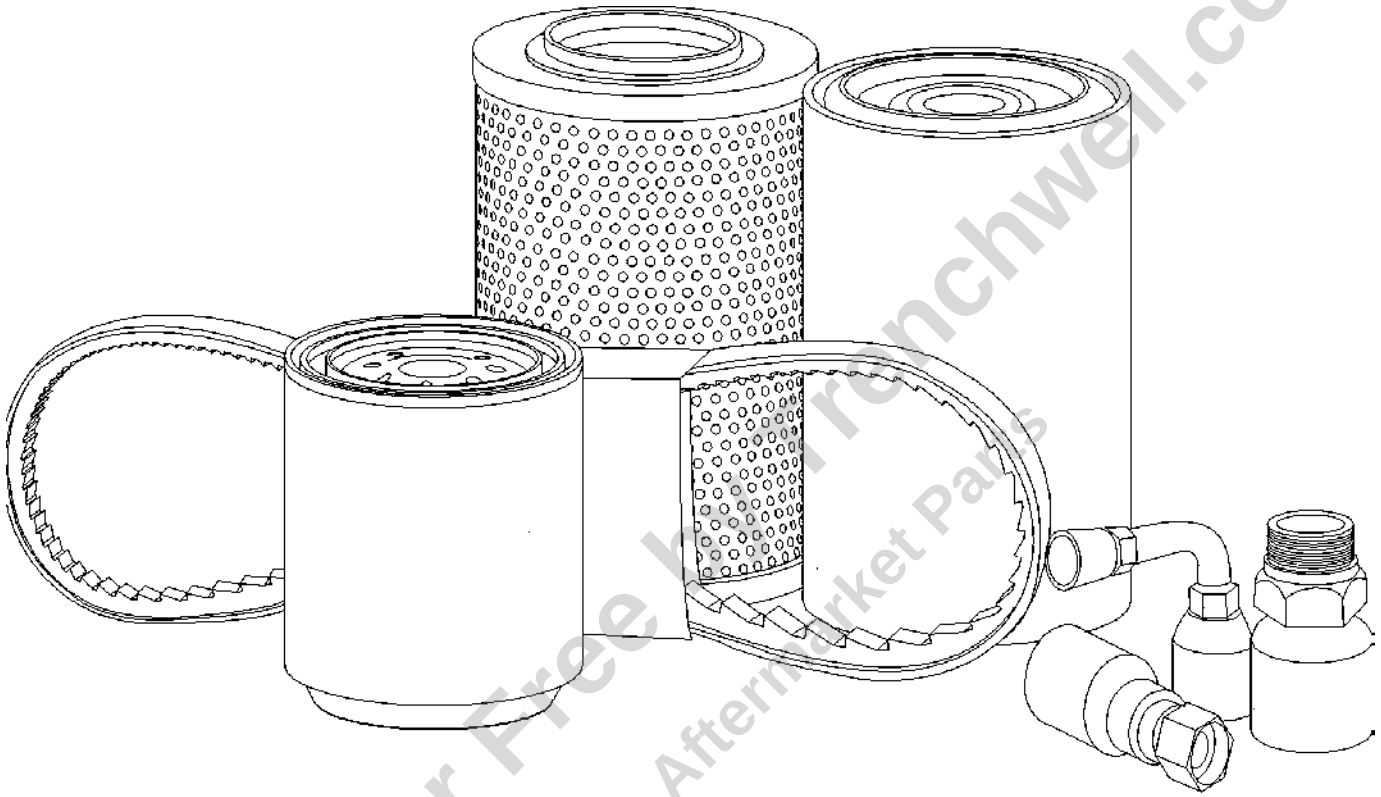
INITIAL STOCKING LIST "B" (ISL) - FOR NA ONLY



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INITIAL STOCKING LIST "B" (ISL) - FOR NA ONLY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
34		87528978		1	RADIATOR HOSE, 45.00 mm ID x 76.50 mm, SAE J20, SAE 20 R4 Class C
35		87454378		1	RADIATOR HOSE, 57.15 mm ID x 217.70 mm, SAE 20R4 CLASS D-1

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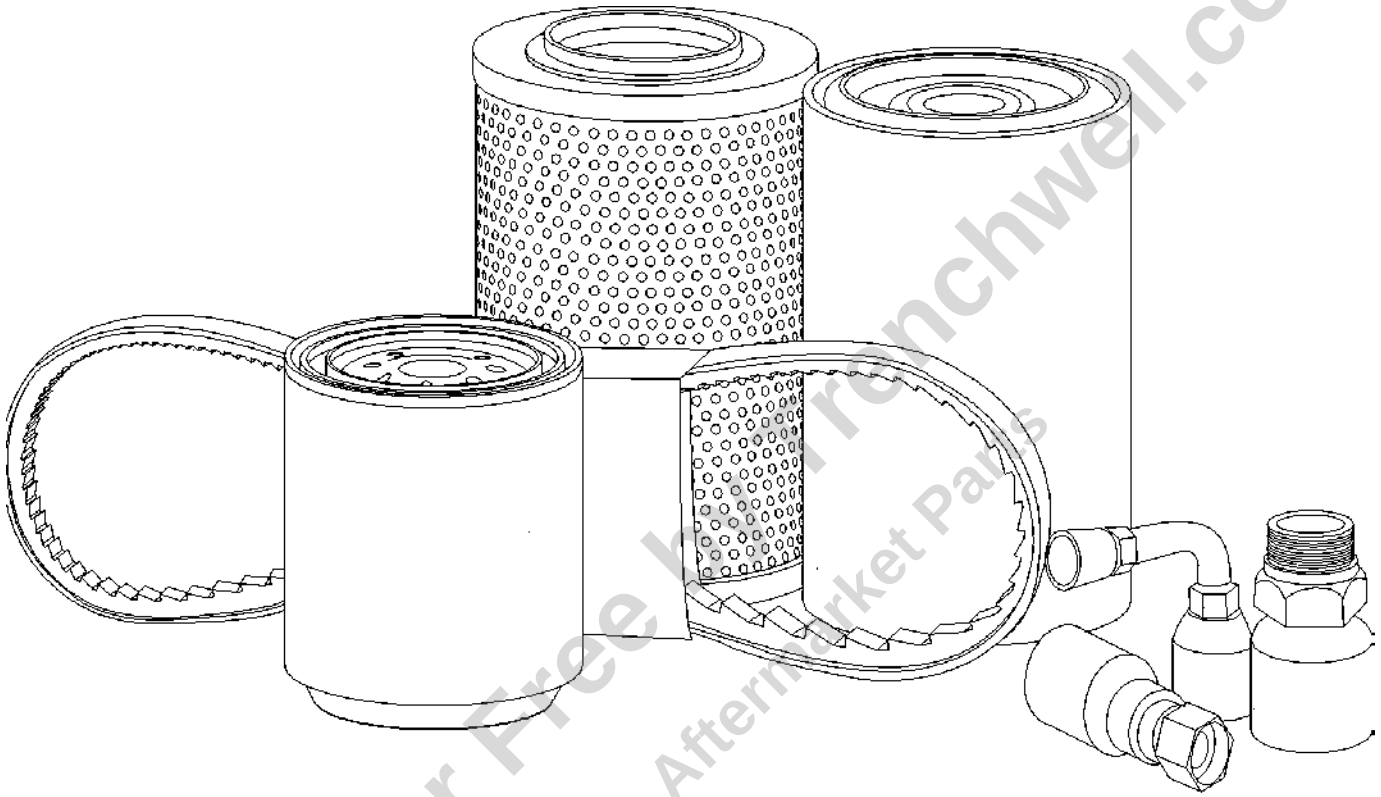
INITIAL STOCKING LIST "B" (ISL) - FOR NA ONLY



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INITIAL STOCKING LIST "B" (ISL) - FOR NA ONLY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87674844		1	COOLANT EXPANSION RESERVOIR
2		84293447		1	CAP
3		84298013		1	CAP
4		122535A1		1	SEAL KIT
5		84259222		1	SEAL KIT
6		84259225		1	SEAL KIT
7		84257788		1	SEAL KIT
8		1543267C1		1	SEAL KIT
9		84259227		1	SEAL KIT
10		84259226		1	SEAL KIT
11		191747A1		1	SEAL
12		84259218		1	KIT
13		84259219		1	KIT
14		84259221		1	SEAL KIT
15		84257323		1	SEAL KIT
16		84259224		1	SEAL KIT
17		84255908		1	HOSE ASSY.
18		84256608		1	HOSE ASSY.
19		84259220		1	SEAL KIT
20		84259223		1	SEAL KIT
21		84259228		1	SEAL KIT
22		86982377		1	SEAL KIT
23		84257765		1	SEAL KIT
24		84258339		1	SEAL KIT
25		84257772		1	SEAL KIT
26		84270949		1	KIT
27		1964831C2		1	SET OF 2 KEYS
28		84270800		1	SWITCH, Horn
29		84271440		1	RESISTOR
30		84238780		1	CUTTING EDGE
31		84239658		1	CUTTING EDGE
32		84239659		1	CUTTING EDGE
33		84239664		1	CUTTING EDGE
34		84239665		1	CUTTING EDGE
35		D138955		1	SWITCH, Stop Light

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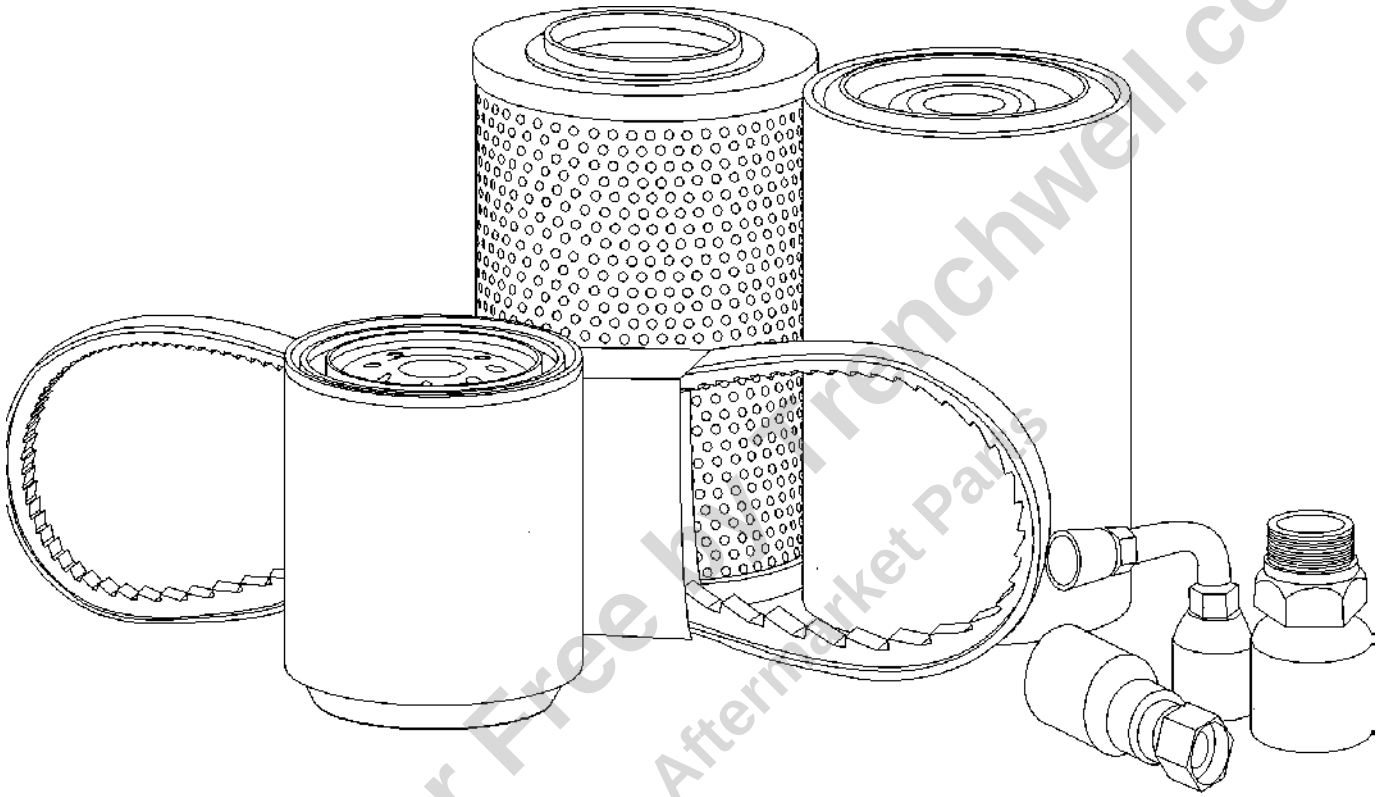
INITIAL STOCKING LIST "B" (ISL) - FOR NA ONLY



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INITIAL STOCKING LIST "B" (ISL) - FOR NA ONLY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		232948A1		1	A/C HIGH PRESSURE SWITCH
2		82026949		1	SWITCH ASSY, Brake
3		370381A1		1	SWITCH, A/C Thermostat; Temperature Control; Air Conditioning
4		87654515		1	SWITCH, AUTO TO MANUAL
5		245258A1		1	SWITCH, Blower
6		87585817		1	SWITCH, Fast Steer
7		87410105		1	TOGGLE SWITCH, Rocker W/ Lock Pattern Selection
8		87423802		1	SWITCH, Pilot on / off Momentary
9		87000228		1	A/C LOW PRESSURE SWITCH
10		278328A1		1	SWITCH, Shuttle
11		84222287		1	SWITCH, 4WD Power Shuttle
12		84241093		1	SWITCH, Bi-Dir Uni-Dir Selector
13		84238391		1	SWITCH, Power Lift
14		84222273		1	SWITCH, Display - Enter
15		84222279		1	WINDSHIELD WASHER SWITCH
16		84222277		1	SWITCH, Front Windshield Wiper
17		84222282		1	SWITCH, Front Work Lights
18		84222283		1	SWITCH, Hazzards
19		84222285		1	SWITCH, Horn
20		84222286		1	SWITCH, Loader Quick Coupler
21		84222280		1	WINDSHIELD WASHER SWITCH
22		84222278		1	SWITCH, Rear Windshield Wiper
23		84228038		1	SWITCH, Rear Work Lights
24		84222275		1	RIDE CONTROL/AUTO HITCH LATCH SWITCH
25		84276125		1	SWITCH, Seat Double Pole
26		84222272		1	SWITCH, Up-Down
27		86619908		1	RELAY
28		84271717		1	RELAY
29		121412A1		10	FUSE, 10 Amp, Mini
30		87524877		10	FUSE
31		10401190		10	FUSE
32		10401290		5	FUSE
33		84305923		1	SERVICE KIT, BUCKET RETROFIT LINKS AND MECH COUPLER

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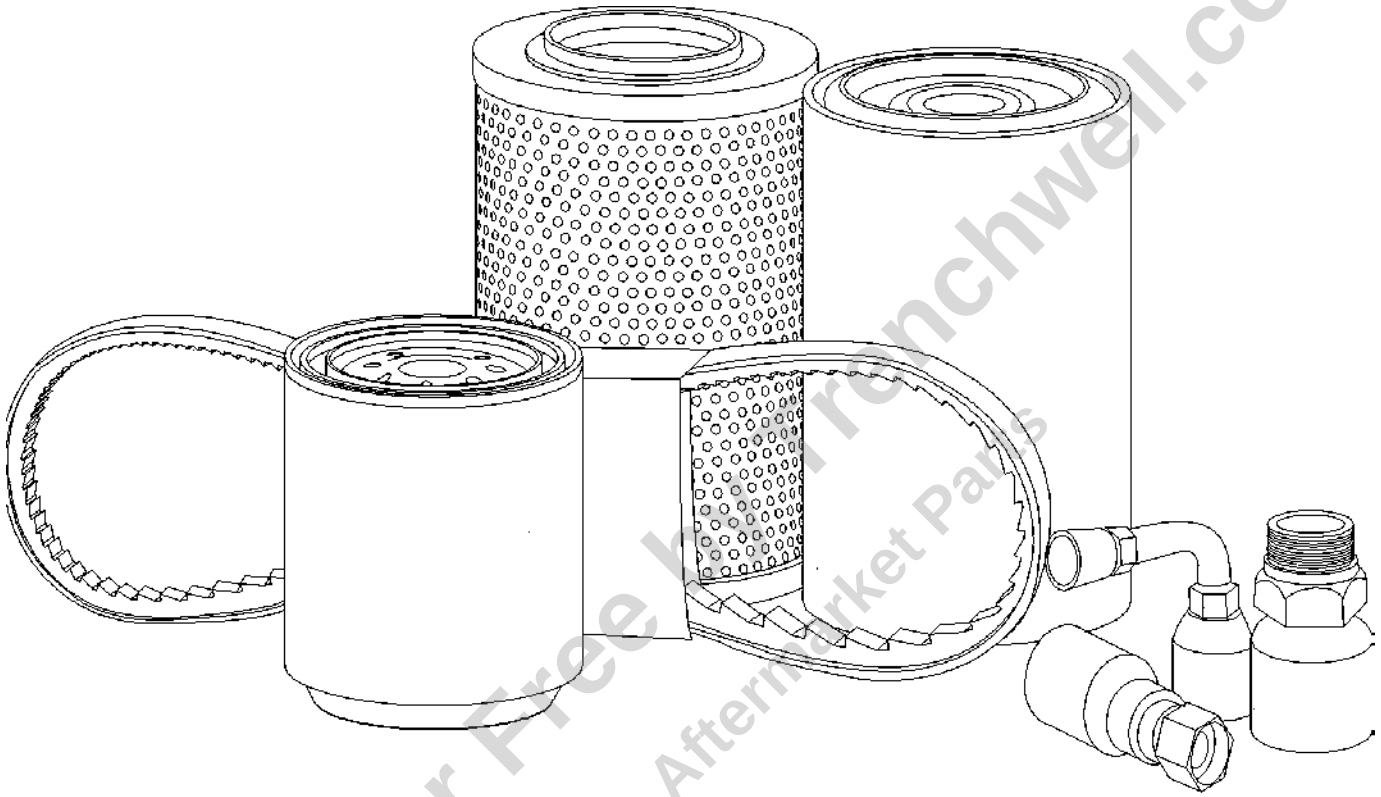
INITIAL STOCKING LIST "B" (ISL) - FOR NA ONLY



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INITIAL STOCKING LIST "B" (ISL) - FOR NA ONLY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
34		84304990		1	SERVICE KIT, BUCKET RETRO-FIT, HYD COUPLER

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10.001.02	01	CYLINDER BLOCK (580N)
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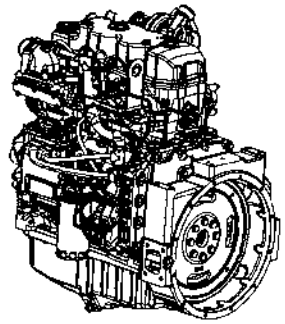
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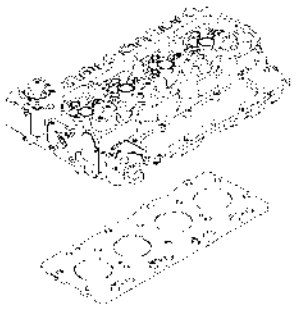
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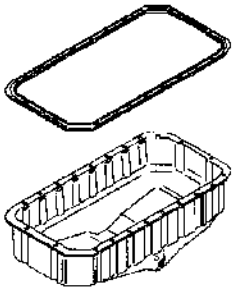
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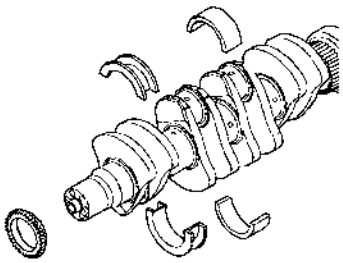
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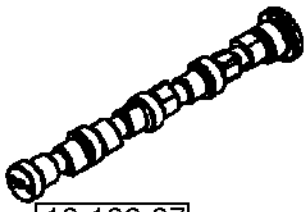
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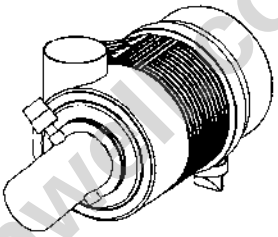
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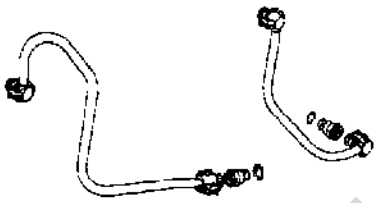
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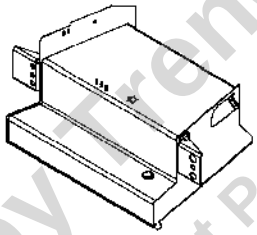
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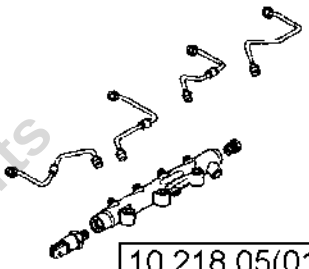
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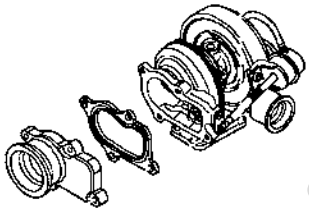
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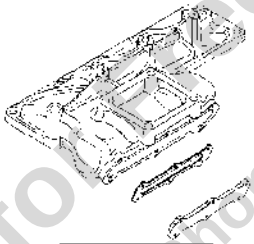
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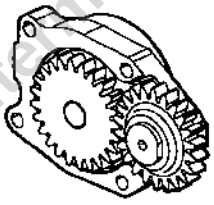
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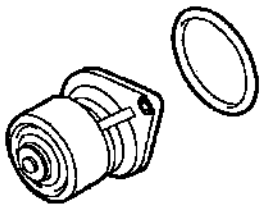
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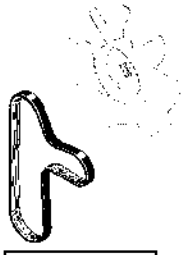
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REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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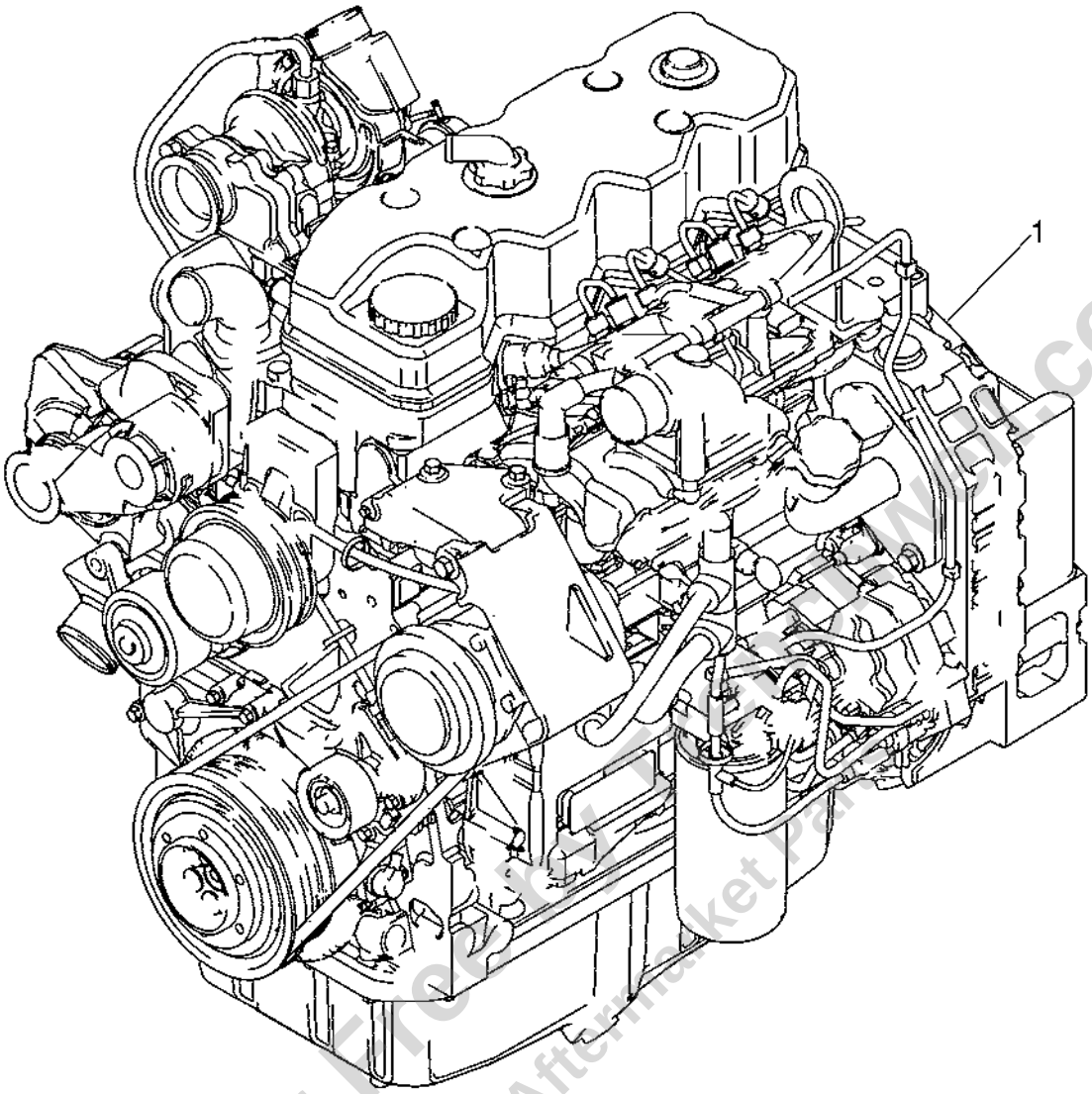
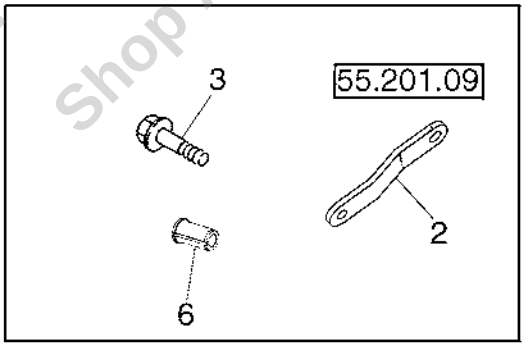
ENGINE





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ENGINE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84149866		1	ENGINE, 4CL 2V 63K TC CE NEF T3 (580N)
		84149866R		1	EXCHANGE ENGINE, 580N, Tier 3, N.A. Only
		84149866C			CORE-ENGINE, Return Number, For N.A. Only
1		87584965		1	ENGINE, 95 hp, HCPR Fuel System, Non EGR; Turbocharged Engine
		87584965R		1	EXCHANGE ENGINE, 580SN w/Tier 3 Eng., 580SN WT w/Tier 3 Eng., 590SN w/Tier 3 Eng., N.A. Only
		87584965C			CORE-ENGINE, Return Number, For N.A. Only
2		2852180		1	BRACKET, Alternator Mounting Strap
3		4895291		1	SCREW, Hex Flg, M10 x 1.5 x 20
6		2852181		1	SPACER

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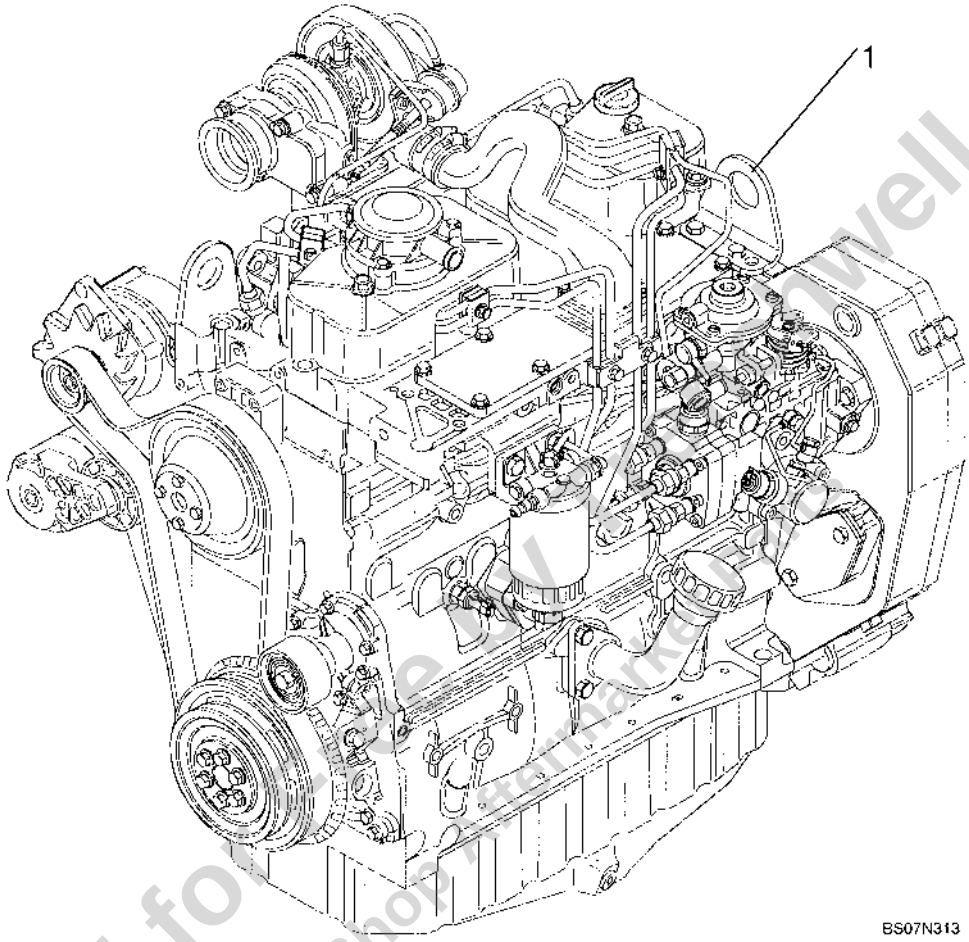
ENGINE (580N)



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ENGINE (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84149866		1	ENGINE, 85 hp, Internal Intake EGR; Bosch Injection Pump; Turbocharged Engine; Includes Parts On Figures 02-08 - 02-42, 03-04 - 03-11; Replaces 87603948
		84149866R		1	EXCHANGE ENGINE, Reman Replacement Engine, 580N, Turbocharged, Tier 3, N.A. Only
		84149866C			CORE-ENGINE, Return Number, N.A. Only

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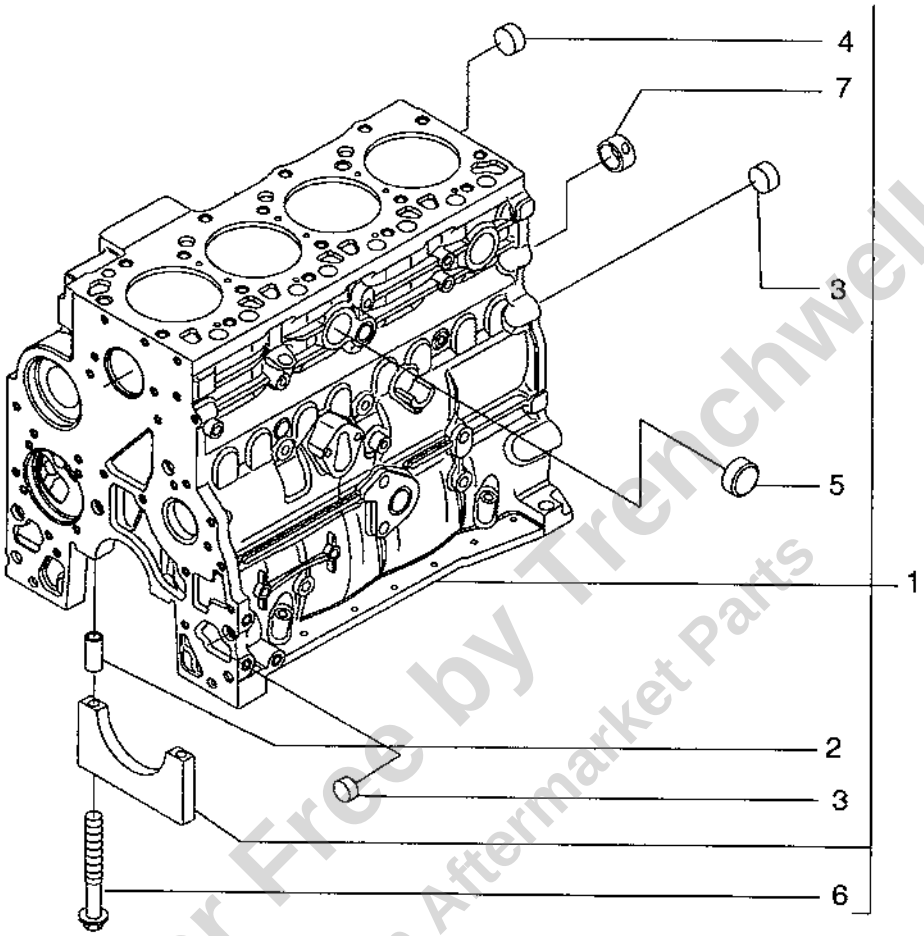
CYLINDER BLOCK (580SN, 580SN WT, 590SN)



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CYLINDER BLOCK (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84131473		1	SHORT ENGINE
1		2830082		1	CYLINDER BLOCK, Incl. Ref 2 - 7, Plus Main Bearing Caps
		4895919		4	BEARING CAP, Main; Not Serviced Separately
		4895921		1	BEARING CAP, Main; Not Serviced Separately
2		4899026		10	DOWEL, M18 x 10
3		4895039		3	EXPANSION PLUG, M17.73
4		4895038		4	EXPANSION PLUG, M58.06
5		4895228		2	EXPANSION PLUG, 35.23mm x 7.94mm
6		4891353		10	SCREW, Flg Hd, M12 x 1.5 x 120
7		4895040		1	BUSHING

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590SN 580SN WT
580SN

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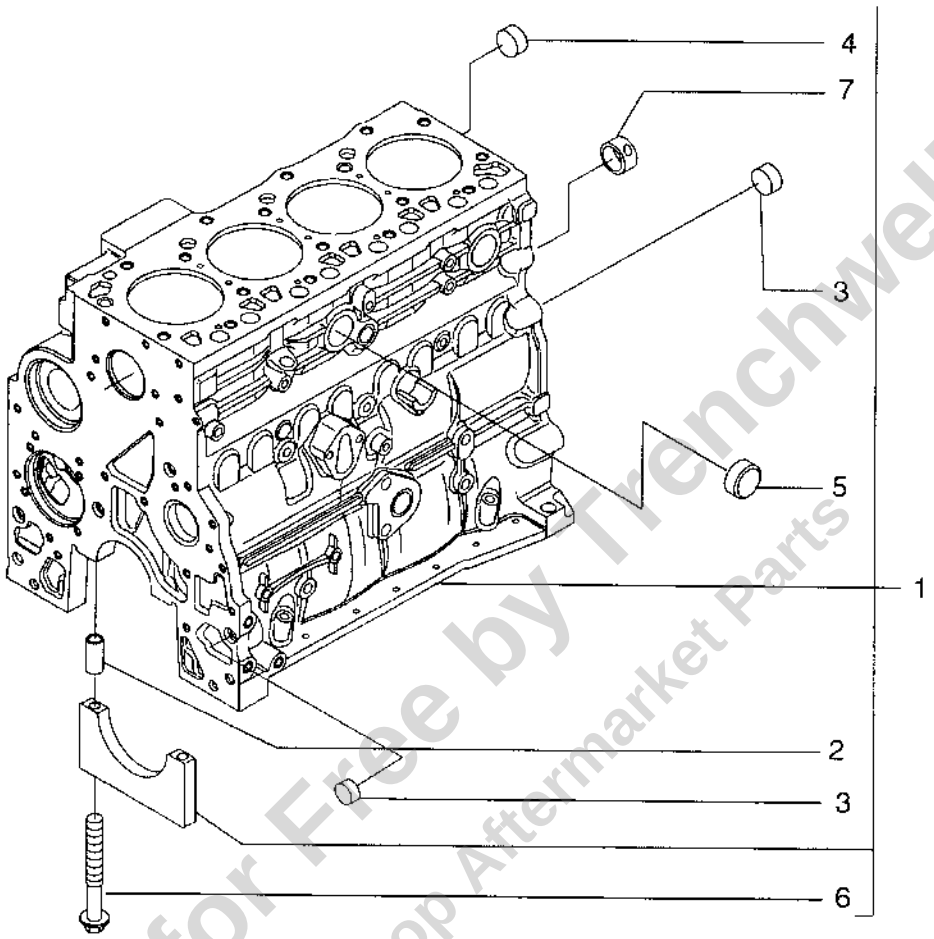
CYLINDER BLOCK (580N)



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CYLINDER BLOCK (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2830082		1	CYLINDER BLOCK, - ASSY; Incl. Ref 2 - 7, Plus Main Bearing Caps
		4895919		4	BEARING CAP, Main
		4895921		1	BEARING CAP, Main; Incl. 2
2		4899026		10	DOWEL, M18 x 10
3		4895039		3	EXPANSION PLUG, M17.73
4		4895038		4	EXPANSION PLUG, M58.06
5		4895228		2	EXPANSION PLUG, 35.23mm x 7.94mm
6		4891353		10	SCREW, Flg Hd, M12 x 1.5 x 120
7		4895040		1	BUSHING
		84131040		1	SHORT ENGINE, Kit, Tier 3 Short Block; Includes All Items on Fig 02-09, Ref 1, 6 - 10 On Fig 02-10, Ref 1 - 4 On Fig 02-21, Ref 1, 4 On Fig 02-22, Ref 1 - 4 On Fig 02-23, And Ref 1 - 7 On Fig 02-28

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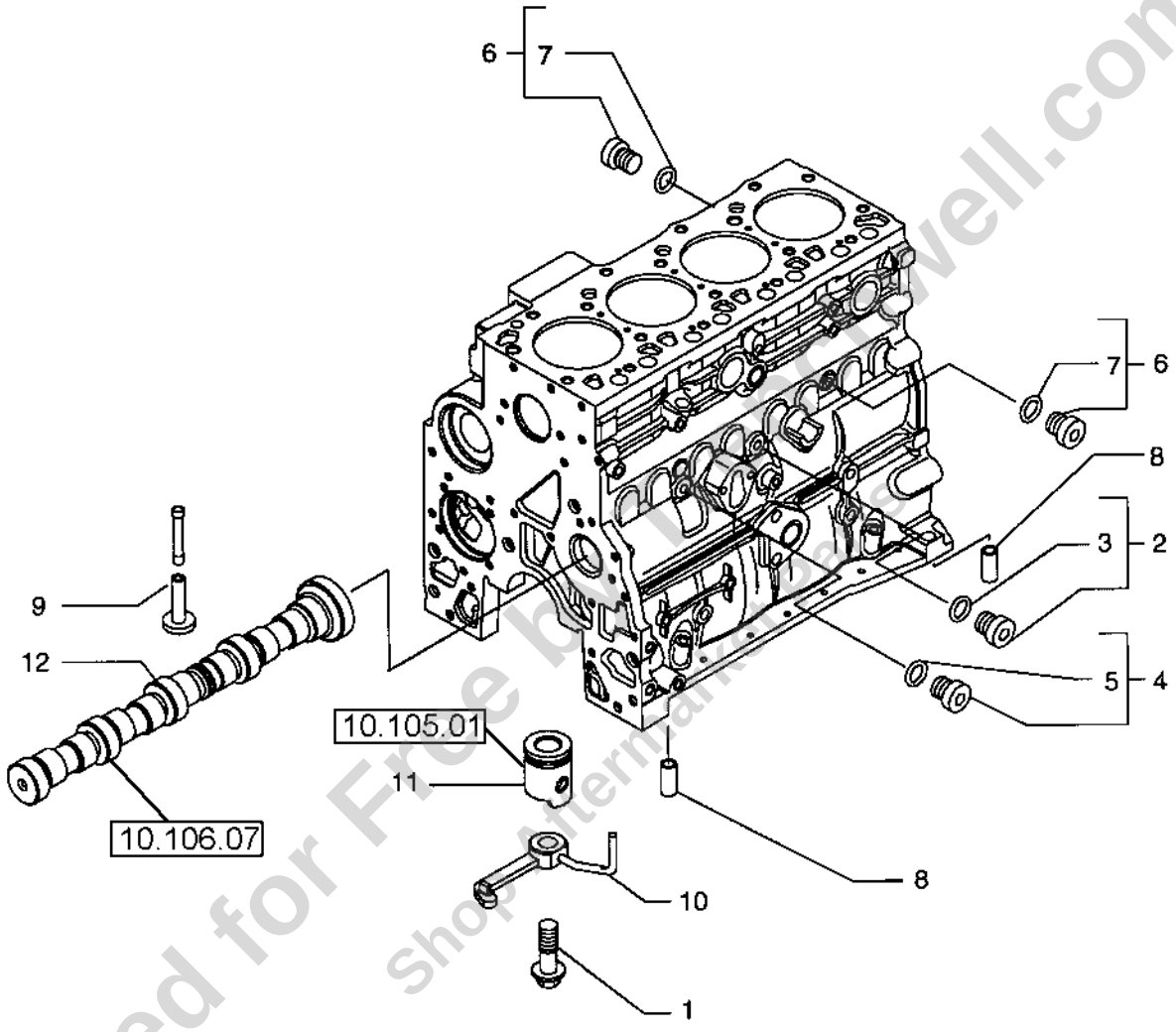
CYLINDER BLOCK (580SN, 580SN WT, 590SN)



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CYLINDER BLOCK (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84131473		1	SHORT ENGINE
1		4894218		4	SCREW, Special, M8 x 20
2		4895605		1	HEX SOCKET PLUG, M14 x 1.5, Incl. Ref 3
3		4899115		1	O-RING, 11.3mm ID x 2.2mm Width
4		4899009		1	PLUG, M10 x 1.5, Incl. Ref 5
5		4899072		1	O-RING, 8.1mm ID x 1.6mm Width
6		4895392		2	HEX SOCKET PLUG, M18 x 1.5, Incl. Ref 7
7		4895393		1	O-RING, 15.3mm ID x 2.2mm Width
8		4895049		2	DOWEL, M16.05 x 10
9		4899803		8	TAPPET
10		2852202		4	PISTON COOLING NOZZLE, Incl. Ref 1
11		NSS		1	NOT SERVICED SEPARATELY, Piston, See Fig. 10.105.01
12		NSS		1	NOT SERVICED SEPARATELY, Camshaft, See Fig. 10.106.07
13		87478874		1	ENGINE GASKET KIT, (Not Shown)

590SN 580SN WT
580SN

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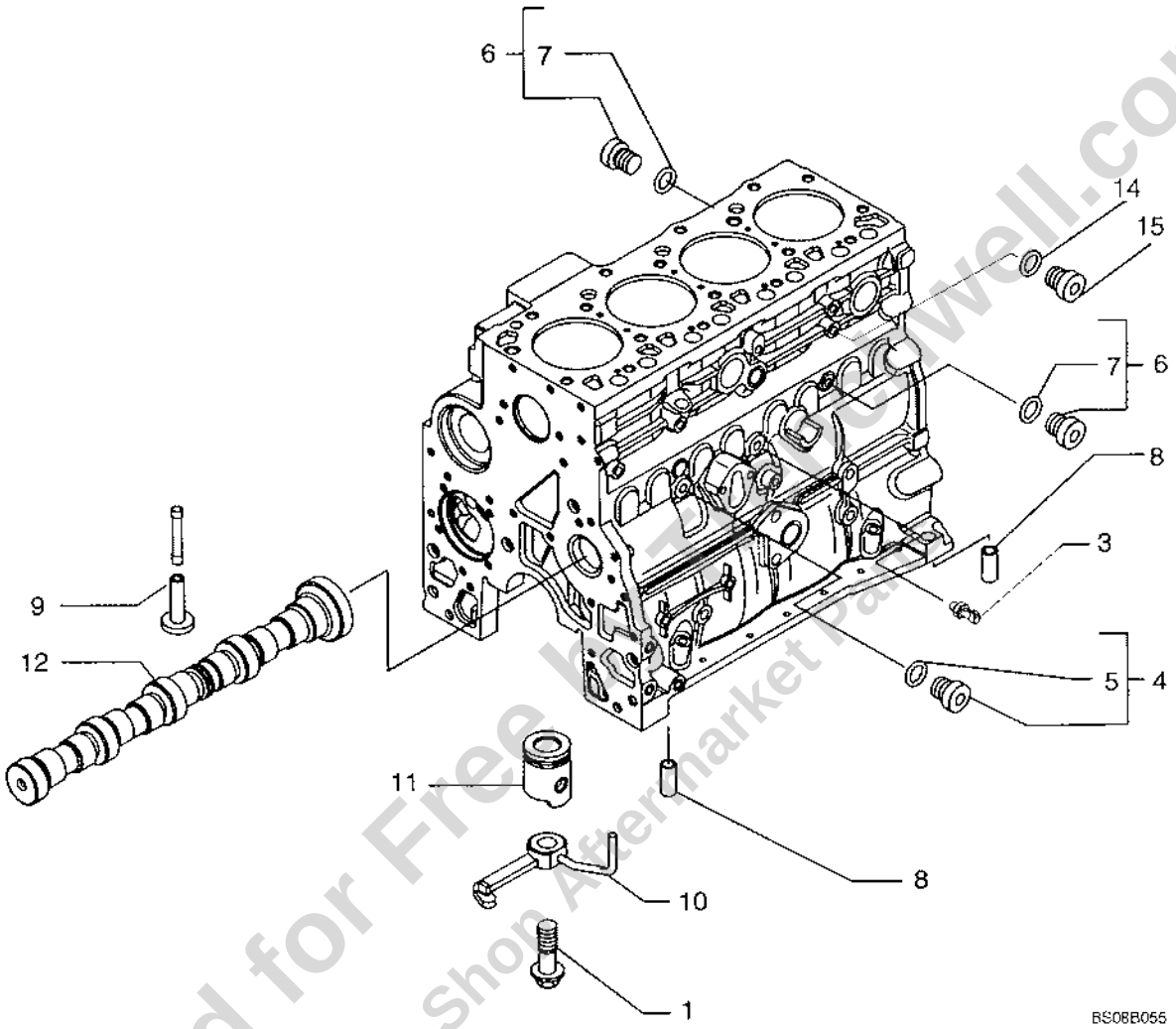
CYLINDER BLOCK (580N)



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CYLINDER BLOCK (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4894218		4	SCREW, Special, M8 x 20
3		2852889		1	PRESSURE SWITCH
4		4899009		1	PLUG, M10 x 1.5, Incl. Ref 5
5		4899072		1	O-RING, 8.1mm ID x 1.6mm Width
6		4895392		2	HEX SOCKET PLUG, M18 x 1.5, Incl. Ref 7
7		4895393		1	O-RING, 15.3mm ID x 2.2mm Width
8		4895049		2	DOWEL, M16.05 x 10
9		4895180		8	TAPPET
10		2852202		4	PISTON COOLING NOZZLE, Incl. Ref 1
11		REF		1	INSTRUCTION, PISTON; See Figure 02-23
12		REF		1	INSTRUCTION, CAMSHAFT; See Figure 02-28
14		4895623		1	HEX SOCKET PLUG, M16 x 1.5, Incl. Ref 15
15		4895625		1	O-RING, 13.3mm ID x 2.2mm Width
		84131040		1	SHORT ENGINE, Kit, Tier 3 Short Block; Includes All Items on Fig 02-09, Ref 1, 6 - 10 On Fig 02-10, Ref 1 - 4 On Fig 02-21, Ref 1, 4 On Fig 02-22, Ref 1 - 4 On Fig 02-23, And Ref 1 - 7 On Fig 02-28

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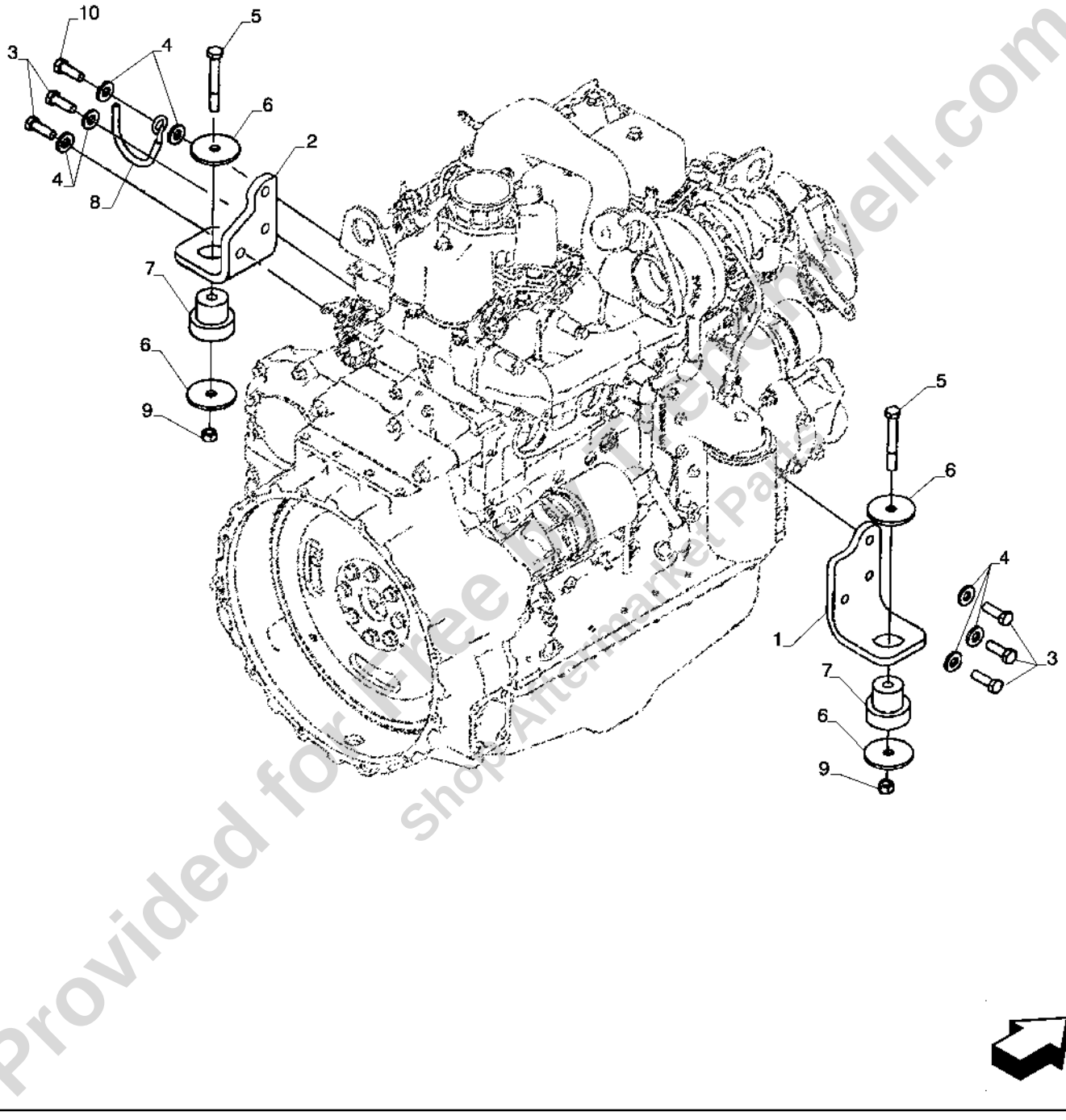
ENGINE - MOUNTING



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ENGINE - MOUNTING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84149866		1	ENGINE, 4CL 2V 63K TC CE NEF T3 (580N)
		84149866R		1	EXCHANGE ENGINE, 580N, Tier 3, N.A. Only
		84149866C			CORE-ENGINE, Return Number, For N.A. Only
		87584965		1	ENGINE, 95 hp, HCPR Fuel System, Non EGR; Turbocharged Engine (580SN, 580SN WT,590SN)
		87584965R		1	EXCHANGE ENGINE, 580SN w/Tier 3 Eng., 580SN WT w/Tier 3 Eng., 590SN w/ Tier 3 Eng., N.A. Only
		87584965C			CORE-ENGINE, Return Number, For N.A. Only
1		87735093		1	BRACKET, SUPPORTING, RH
2		87550221		1	ENGINE MOUNT, LH
3		614-12035		5	BOLT, Hex, M12 x 35, 8.8, Full Thd
4		87655043		7	SPECIAL WASHER
5		814-12090		2	BOLT, Hex, M12 x 90, 8.8
6		85801585		2	SEALING WASHER
7		87488318		2	RUBBER MOUNTING, Rubber Mount
8		87431799		1	SUPPORT, Hose
9		832-10412		2	LOCK NUT, M12 x 1.75, Cl 8
10		614-12040		1	BOLT, Hex, M12 x 40, 8.8, Full Thd

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590SN 580SN WT
580SN

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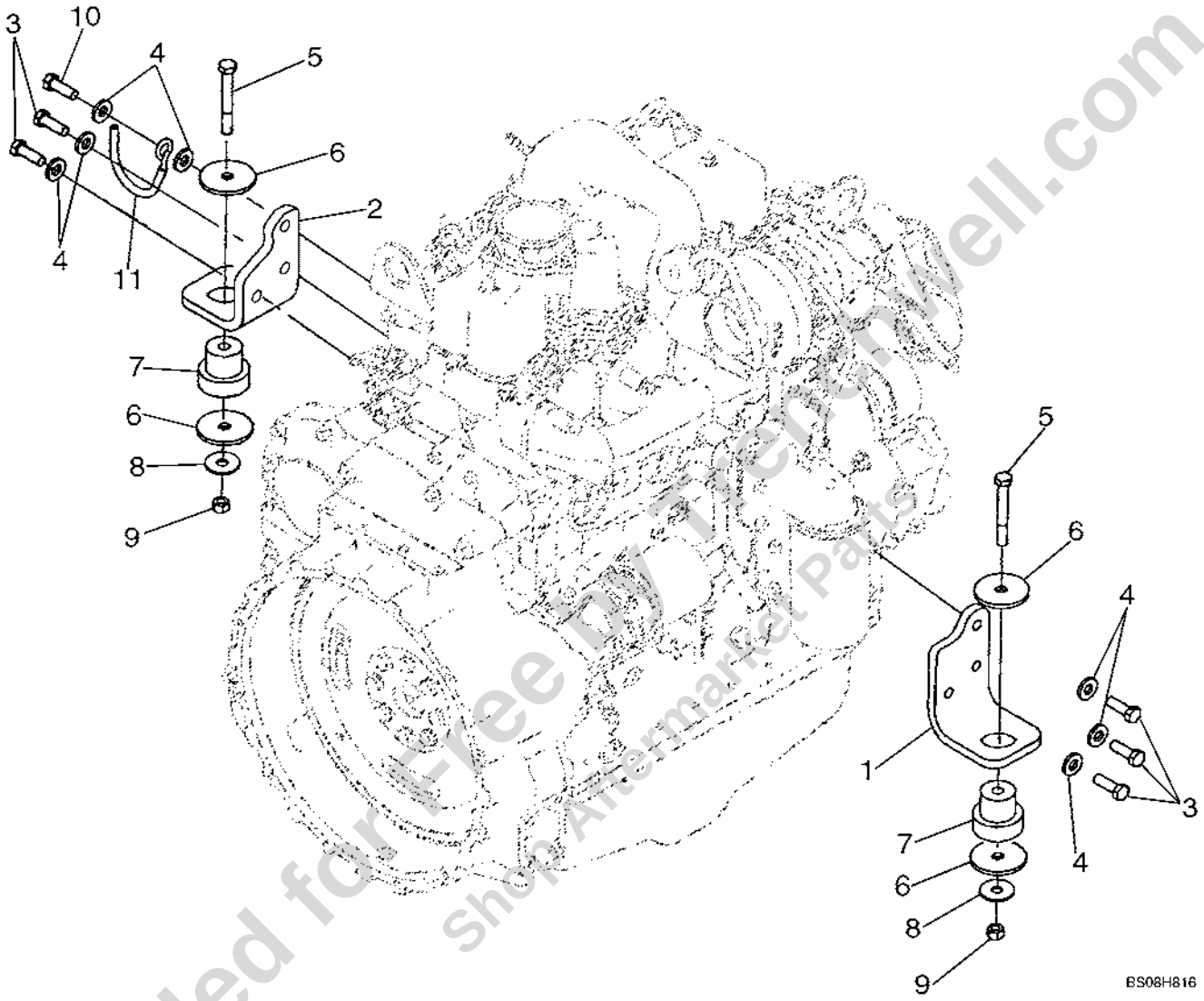
ENGINE - MOUNTING (580N)



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ENGINE - MOUNTING (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84149866		1	ENGINE, 85 hp, Internal Intake EGR; Bosch Injection Pump; Turbocharged Engine; Includes Parts On Figures 02-08 - 02-42, 03-04 - 03-11; Replaces 87603948
		84149866R		1	EXCHANGE ENGINE, 580N, Tier 3, N.A. Only
		84149866C			CORE-ENGINE, Return Number, For N.A. Only
1		87735093		1	BRACKET, SUPPORTING, RH; Replaces 87411319 In This Application
2		87550221		1	ENGINE MOUNT, LH; Replaces 87735092
3		614-12035		5	BOLT, Hex, M12 x 35, 8.8, Full Thd
4		896-15012		7	WASHER, M12 x 28.5 x 4, HT
5		814-12090		2	BOLT, Hex, M12 x 90, 8.8
6		85801585		2-4	SEALING WASHER
7		87488318		2	RUBBER MOUNTING, Insulator, Rubber Mount; Replaces 87416966 In This Application
8		85802618		2	SEALING WASHER
9		832-10412		2	LOCK NUT, M12 x 1.75, Cl 8
10		614-12040		1	BOLT, Hex, M12 x 40, 8.8, Full Thd
11		87431799		1	SUPPORT, Hose

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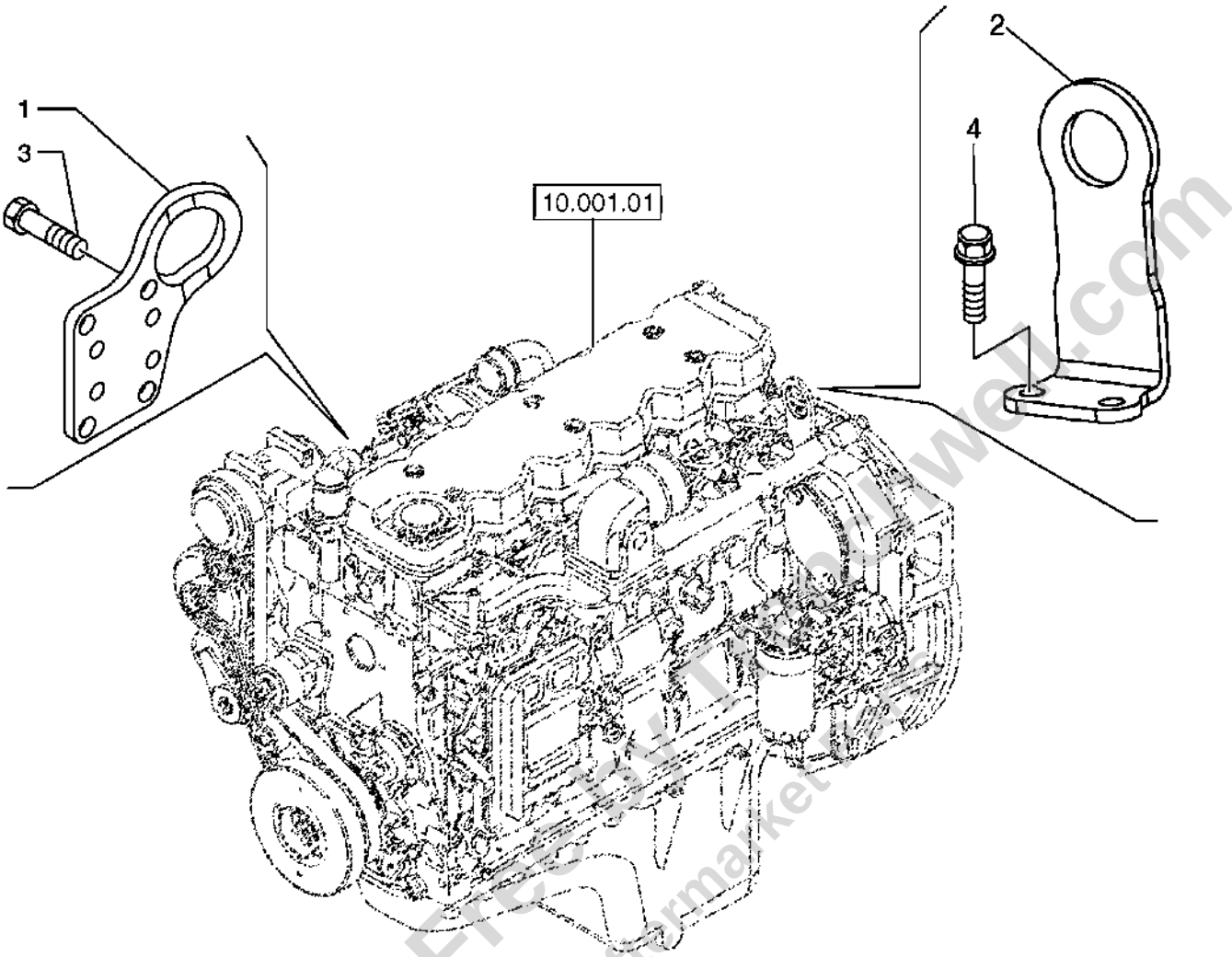
ENGINE - LIFT HOOK



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ENGINE - LIFT HOOK

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2855774		1	LIFT HOOK, May Not Be Illustrated Accurately; No Drawing Available
2		2859425		1	BRACKET, Lift Hook; Replaces 2855773
3		4899037		2	SCREW
4		4899079		4	SCREW, Hex Flg, M8 x 1.25 x 25

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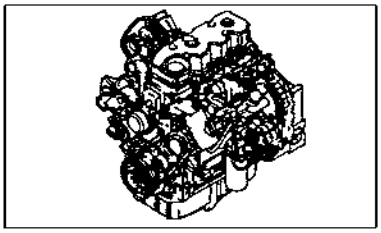
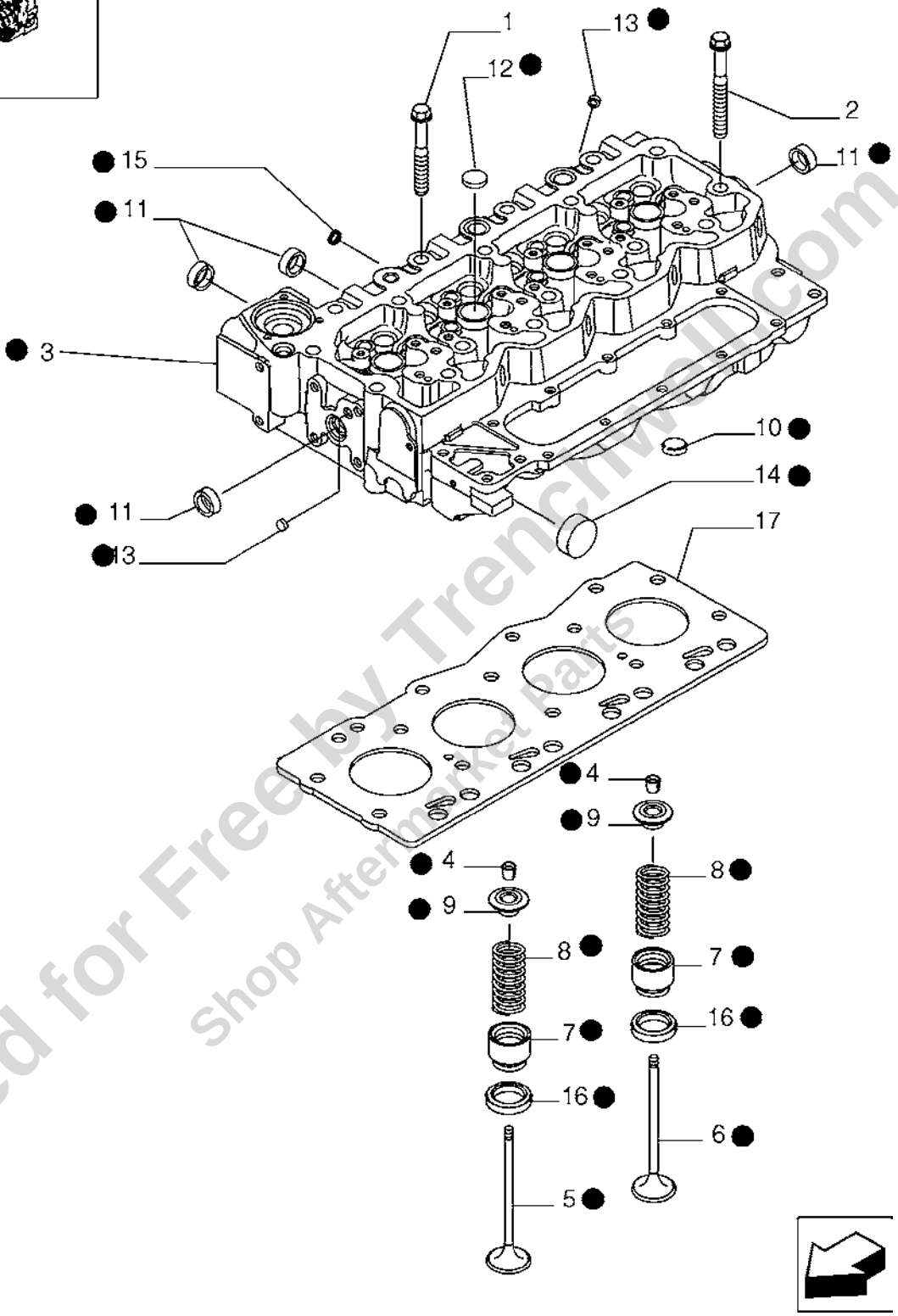
10.101.01		p1	10/10

CYLINDER HEAD (580SN, 580SN WT, 590SN)





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CYLINDER HEAD (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87536218		1	CYLINDER HEAD, Kit, Includes 3 - 16
1		4891024		8	SCREW, Hex Flange Hd Cap, M12 x 130
2		4891025		10	SCREW, Hex Flange Hd Cap, M12 x 150
3		2831266		1	CYLINDER HEAD, Incl. 11 - 16
4		4899081		32	ROCKER ARM COTTER
5		4895051		8	STD ENGINE EXHAUST VALVE
6		4895052		8	STD ENGINE INLET VALVE
7		2831287		16	SPRING SEAT
8		2831473		16	VALVE SPRING
9		4895074		16	CUP
10		4893036		3	PIPE PLUG, 3/4"-14 NPTF
11		4895085		9	EXPANSION PLUG, 25.74mm, OD
12		4895089		7	PLUG, .886" OD
13		4895406		5	EXPANSION PLUG, 9.8mm OD
14		4895407		1	PLUG, 38.28mm OD
15		4895408		2	PLUG, .511" OD
16		4893244		16	VALVE SEAT
17		2830706		1	CYLINDER HEAD GASKET, SP=1.25
17		2830707		1	CYLINDER HEAD GASKET, SP=1.15

590SN 580SN WT
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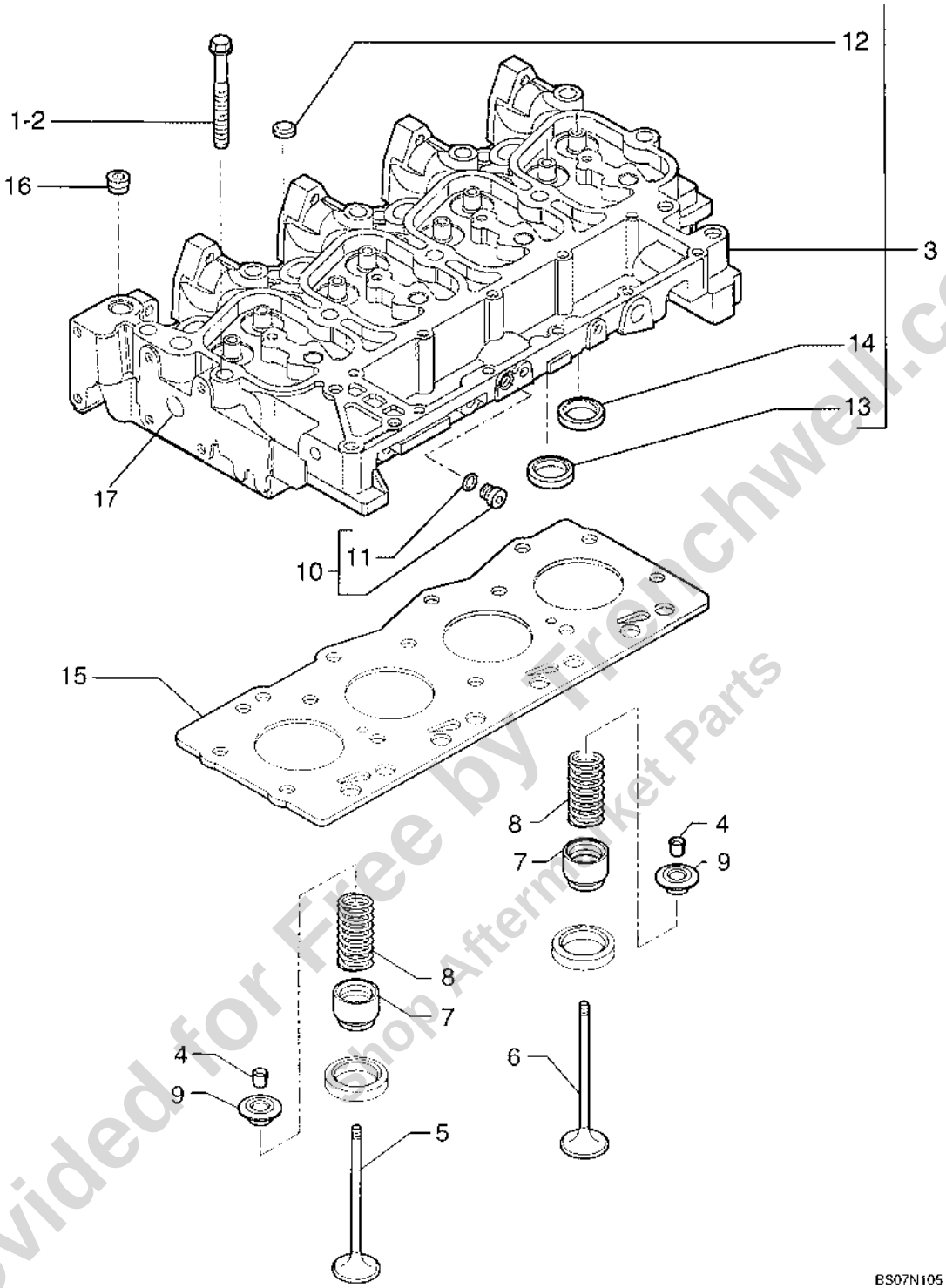
CYLINDER HEAD (580N)



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CYLINDER HEAD (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4892861		4	SCREW, Wash Hd, M12 x 1.75 x 73
2		4892859		10	SCREW, Wash Hd, M12 x 1.75 x 143
3		2856017		1	CYLINDER HEAD, Incl. Ref 12 - 14, 17
4		4895183		16	COLLET
5		4895188		4	STD ENGINE EXHAUST VALVE
6		4895187		4	STD ENGINE INLET VALVE
7		4895347		8	SEAL
8		4895215		8	VALVE SPRING
9		4895184		8	RETAINER
10		4899009		1	PLUG, M10 x 1.5, Incl. Ref 11
11		4899072		1	O-RING, 8.1mm ID x 1.6mm Width
12		4895179		3	EXPANSION PLUG, M20.93
13		4897178		4	VALVE SEAT, Intake
14		4897179		4	VALVE SEAT, Exhaust
15		2830919		1	CYLINDER HEAD GASKET, 1.25mm Thk
15		2830920		1	CYLINDER HEAD GASKET, 1.15mm Thk
16		4895078		5	PIPE PLUG, 1/2"-14
17		4895085		1	EXPANSION PLUG, 25.74mm
		84131050			CYLINDER HEAD, Kit, Cylinder Head; Includes Ref 3 - 10, 12 - 14, 17

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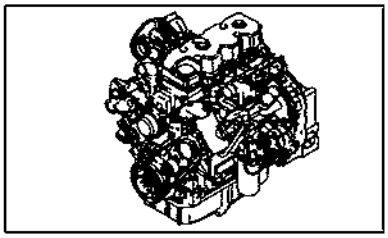
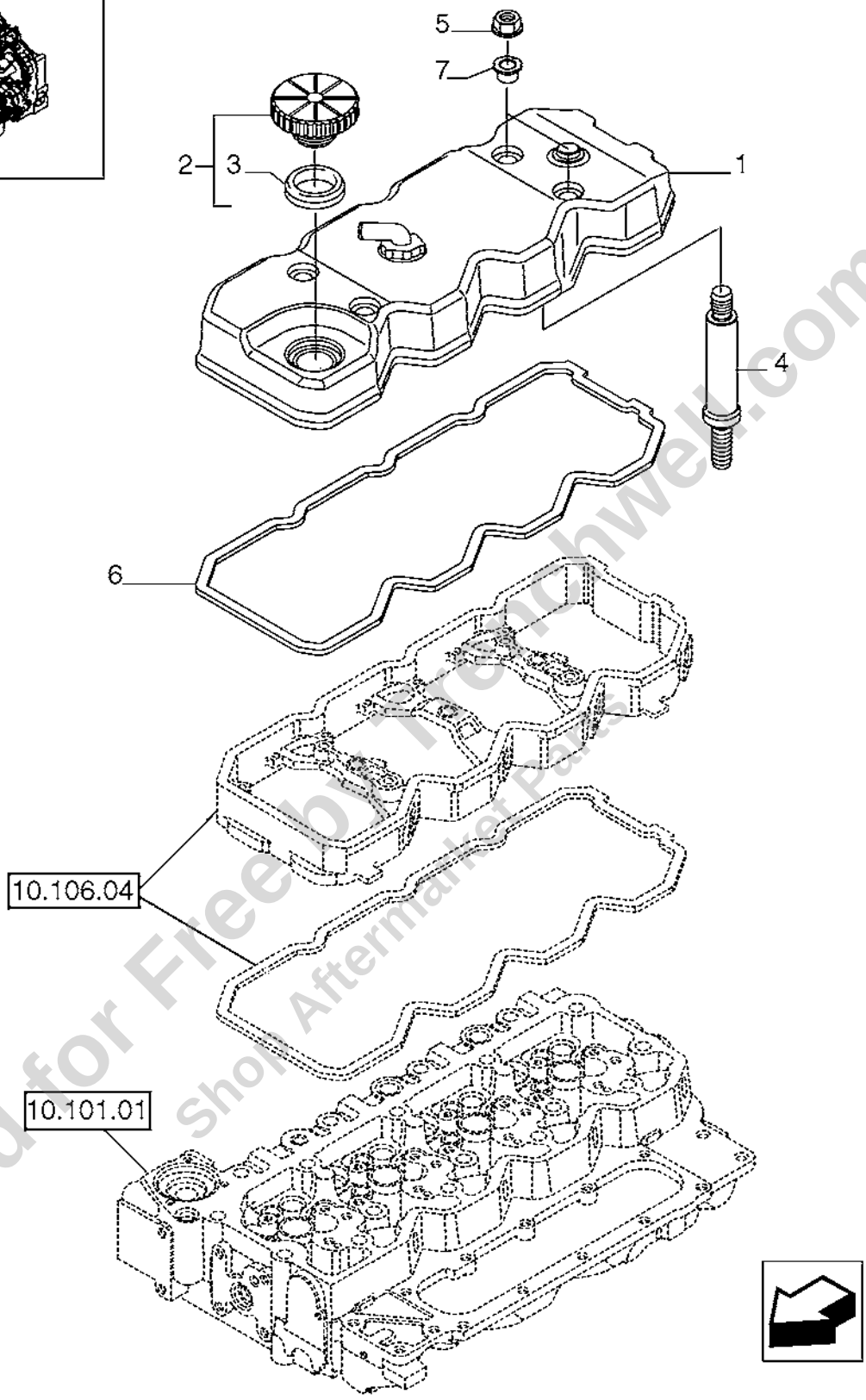
10.101.02		p1	10/10

CYLINDER HEAD COVERS (580SN, 580SN WT, 590SN)





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CYLINDER HEAD COVERS (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2853858		1	VALVE COVER
2		98442027		1	CAP, Incl. 3
3		98412146		1	GASKET
4		2854812		4	STUD
5		4893936		4	NUT
6		4899228		1	GASKET
7		4899239		4	SILENTBLOC

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590SN 580SN WT
580SN

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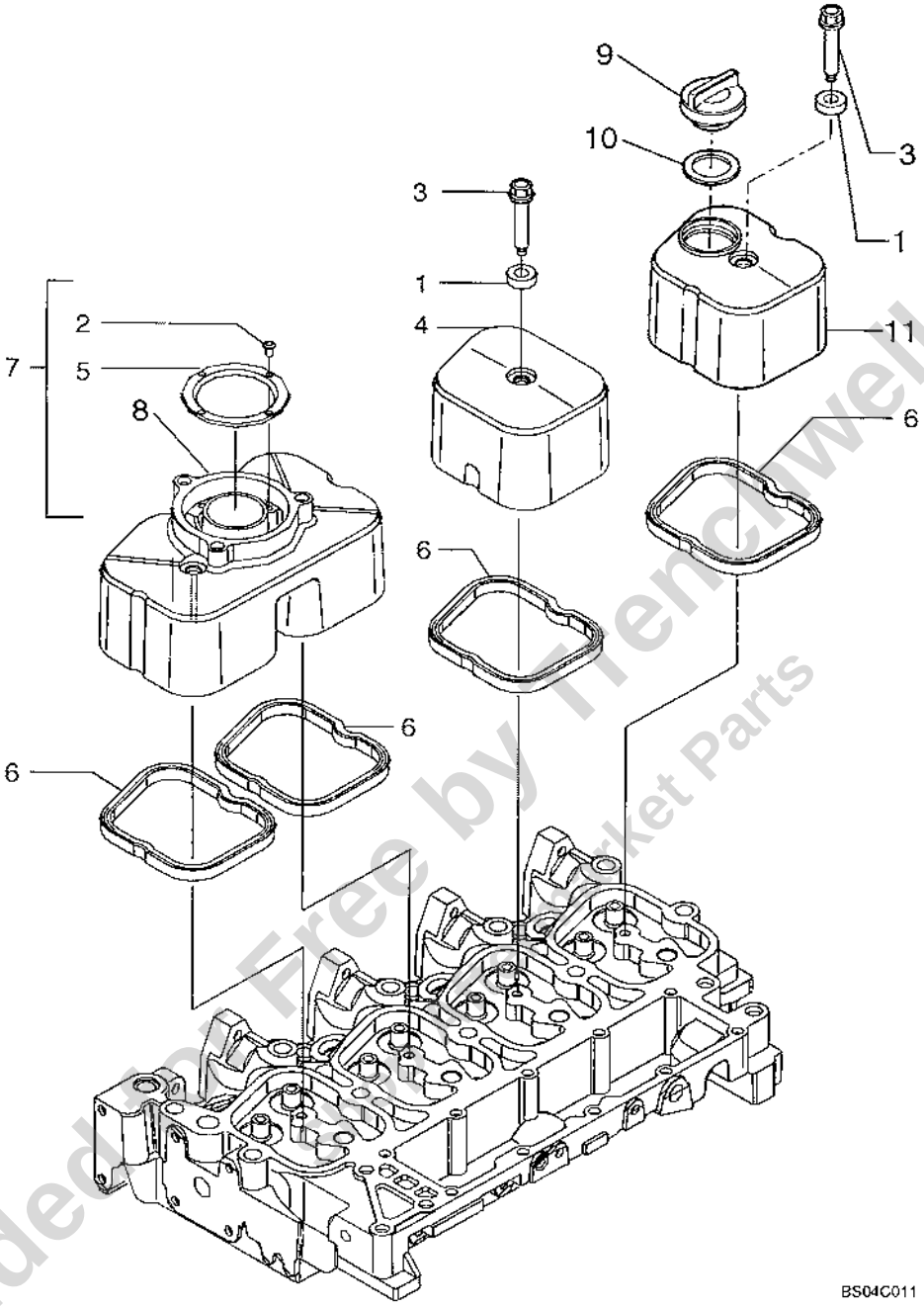
CYLINDER HEAD - COVERS (580N)



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CYLINDER HEAD - COVERS (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4895360		4	ISOLATOR
2		2830281		4	SELF-TAP SCREW, M2.9 x 6.5
3		4895214		4	SCREW, Special, Hex, Flg Hd, M8 x 33
4		2852032		1	VALVE COVER
5		2830775		1	BAFFLE
6		2852033		4	GASKET
7		2830784		1	VALVE COVER, Incl. Ref 2, 5
8		2830769		1	COVER
9		4895202		1	FILLER CAP
10		4895296		1	SEAL, Rectangular, 30mm ID x 3 Thk
11		2852894		1	VALVE COVER

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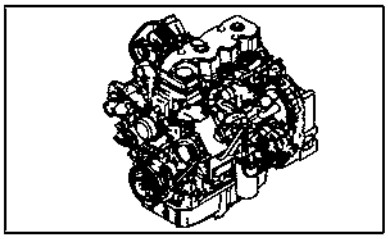
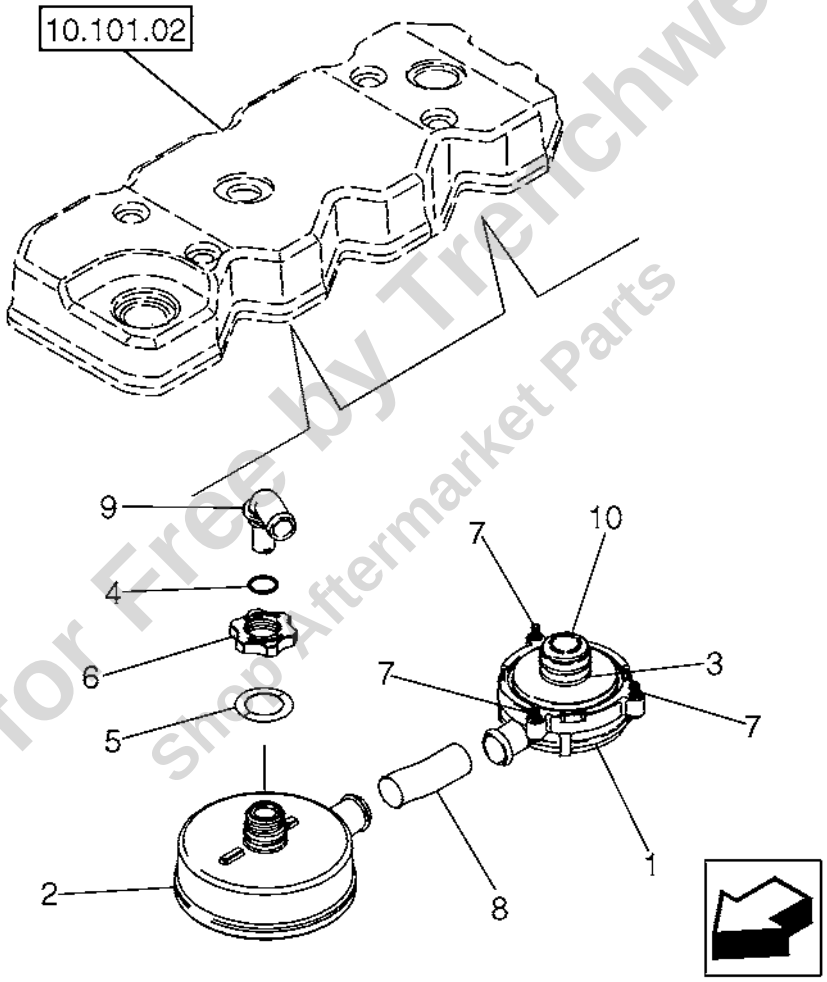
BREATHER - ENGINE (580SN, 580SN WT, 590SN)





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BREATHER - ENGINE (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		2853826		1	BREATHER, Incl. 1 - 10
1		NSS		1	NOT SERVICED SEPARATELY, REGULATOR
2		87304652		1	FILTER
3		87304661		1	O-RING
4		87304653		1	O-RING
5		87304654		1	WASHER
6		87304655		1	NUT
7		87304660		3	SCREW
8		87304656		1	HOSE
9		87307807		1	ELBOW
10		NSS		1	NOT SERVICED SEPARATELY, COVER Protection

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590SN 580SN WT
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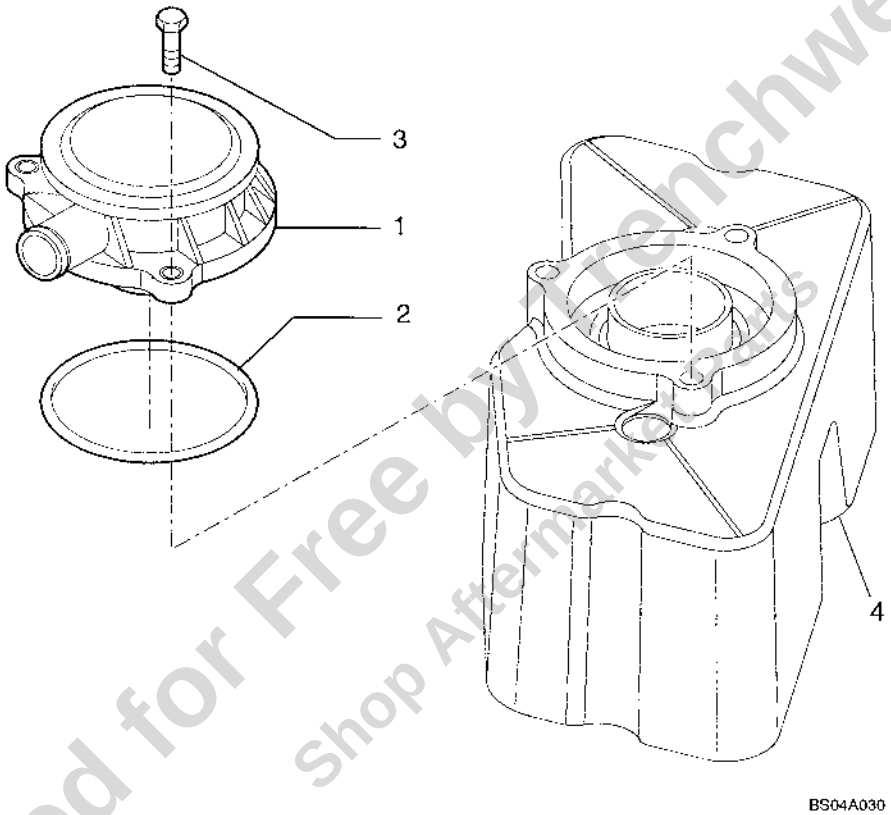
BREATHER - ENGINE (580N)



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BREATHER - ENGINE (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2852531		1	BREATHER
2		2852028		1	GASKET
3		4899110		3	SCREW, Hex Flg, M6 x 1 x 20, Alternate Part to 4899092
3		4899092		3	SCREW, Hex Flg, M6 x 1 x 25, Alternate Part to 4899110
4		REF		1	INSTRUCTION, COVER; See Figure 02-17

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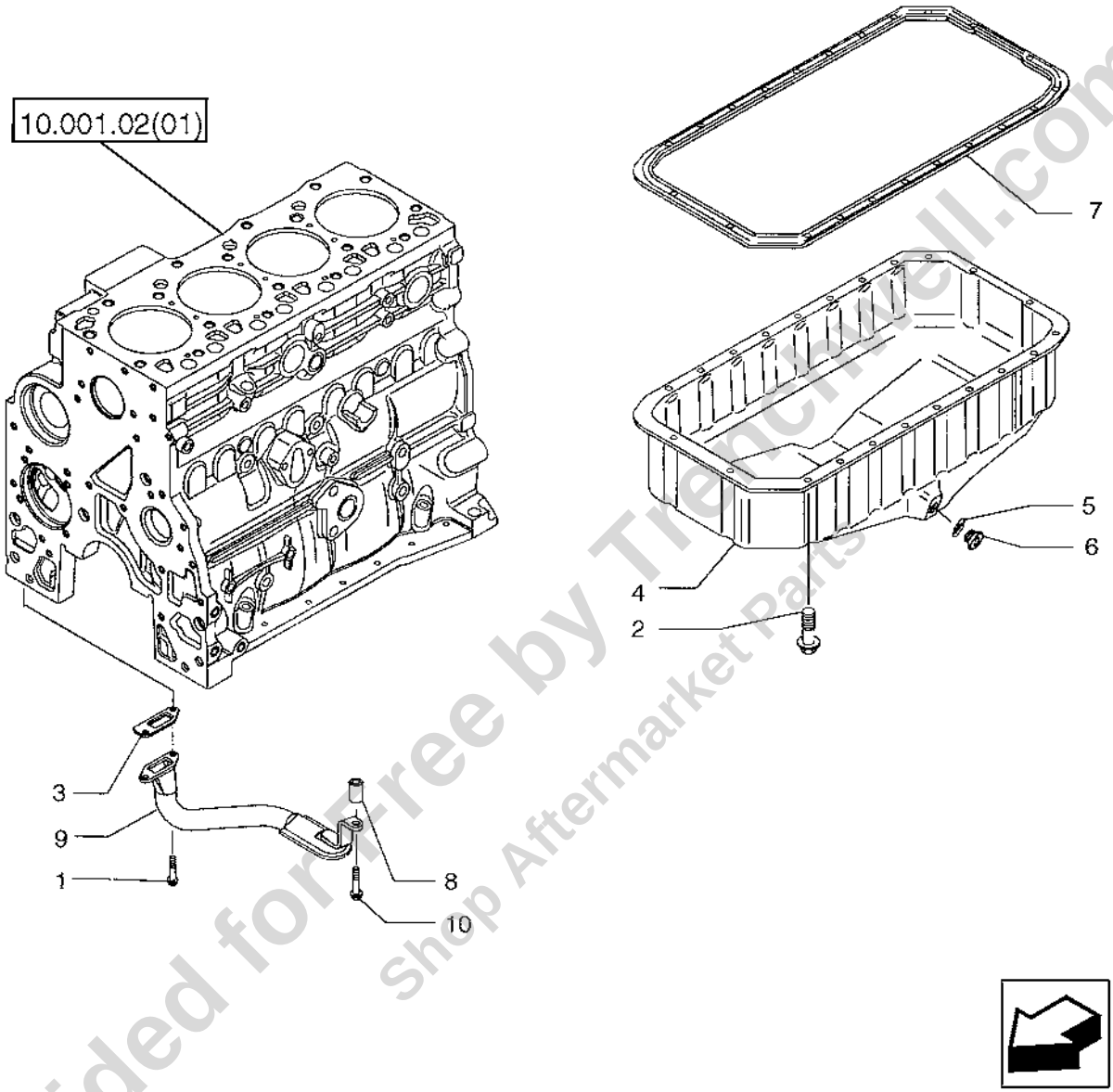
OIL PUMP, PAN (580SN, 580SN WT, 590SN)



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OIL PUMP, PAN (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		16673635		2	BOLT, M8 x 20
2		4899091		22	SCREW, Hex Flange Cap, M8 x 1.25 x 40.00mm
2		4895489		2	FLANGE BOLT, Hex, M8 x 1.25 x 110
3		4898301		1	GASKET
4		2852011		1	ENGINE OIL PAN
5		2852978		1	O-RING, M23.47 ID x 2.62 Thk, Seal
6		2856086		1	PLUG, Does Not Include Seal, Purchase Seal Separately
7		2852012		1	GASKET
8		2852016		1	SPACER
9		2852013		1	STRAINER ELEMENT, Tube; Oil Suction, Includes Screen Which Is Not Serviced Separately
10		4895538		1	FLANGE BOLT, Hex, M10 x 1.5 x 120

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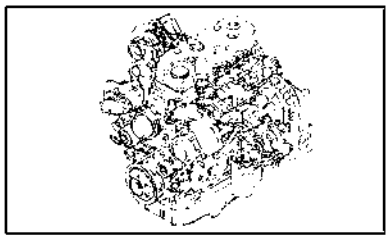
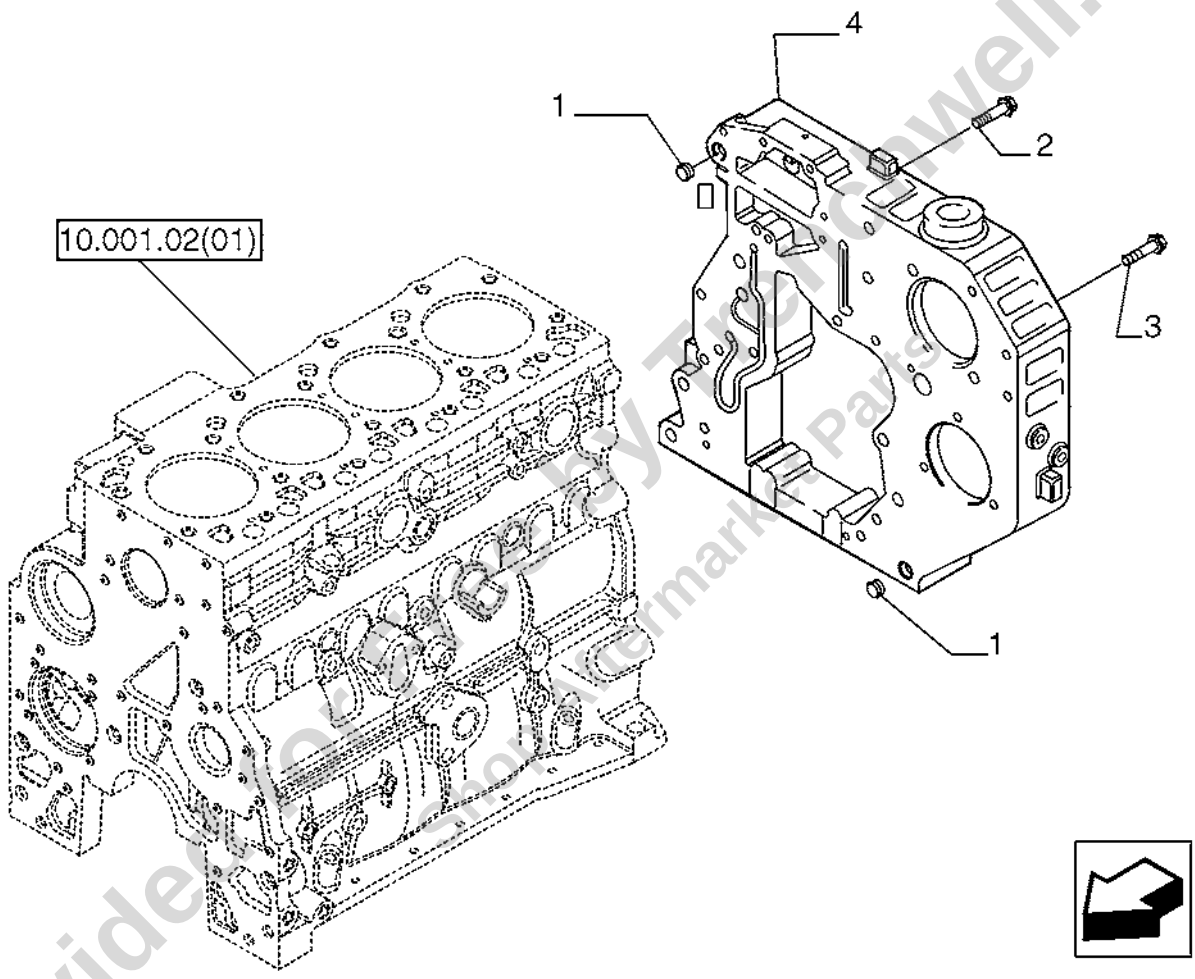
CRANKCASE COVERS (580SN, 580SN WT, 590SN)





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CRANKCASE COVERS (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899026		2	DOWEL, M18 x 10
2		4899078		4	SCREW, Hex Flg, M8 x 1.25 x 45
3		4899093		2	SCREW, Hex Flange, M10 x 30.00mm, Cl 10.9, PHC
3		4899073		1	SCREW, Hex Flg, M12 x 1.75 x 30
3		4896939		3	SCREW, M10 x 1.5 x 50
4		2855801		1	HOUSING

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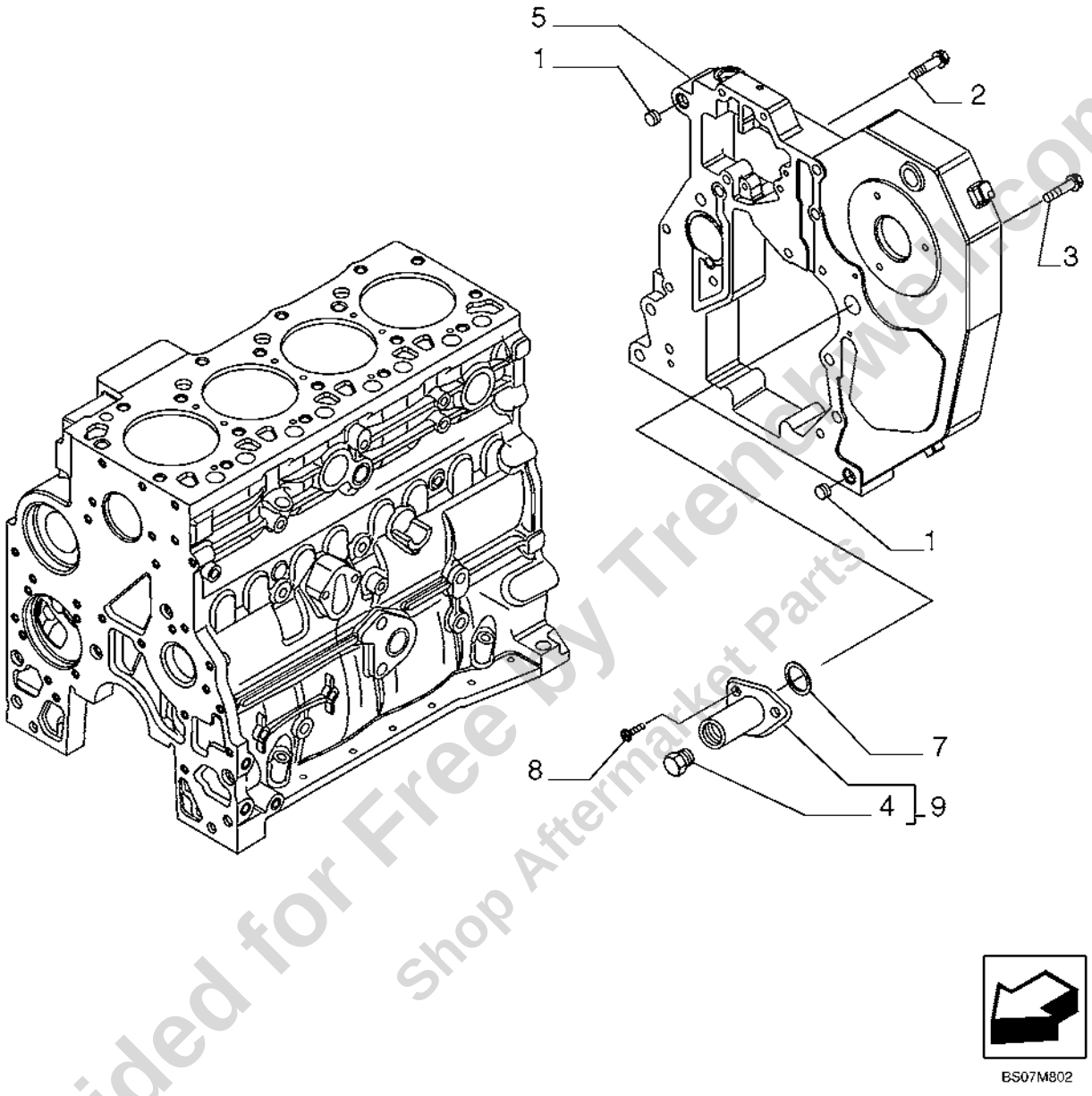
CRANKCASE COVERS (580N)



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CRANKCASE COVERS (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899026		2	DOWEL, M18 x 10
2		4899091		4	SCREW, Hex Flange Cap, M8 x 1.25 x 40.00mm
3		4899093		5	SCREW, Hex Flange, M10 x 30.00mm, Cl 10.9, PHC
3		4899073		1	SCREW, Hex Flg, M12 x 1.75 x 30
4		16882515		1	PLUG, Plug
		4899115		1	O-RING, 11.3mm ID x 2.2mm Width, (Part of 16882515), Not Shown
5		2853671		1	HOUSING
7		2852519		1	O-RING, M21.95 ID x 1.78 Thk
8		4895355		2	SCREW, Torx Rd Hd, M5 x .8 x 17
9		2855287		1	HOUSING, - ASSY
		2855295		1	PIN, Timing (Not Shown)

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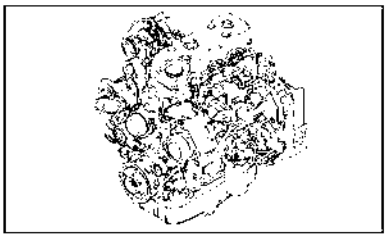
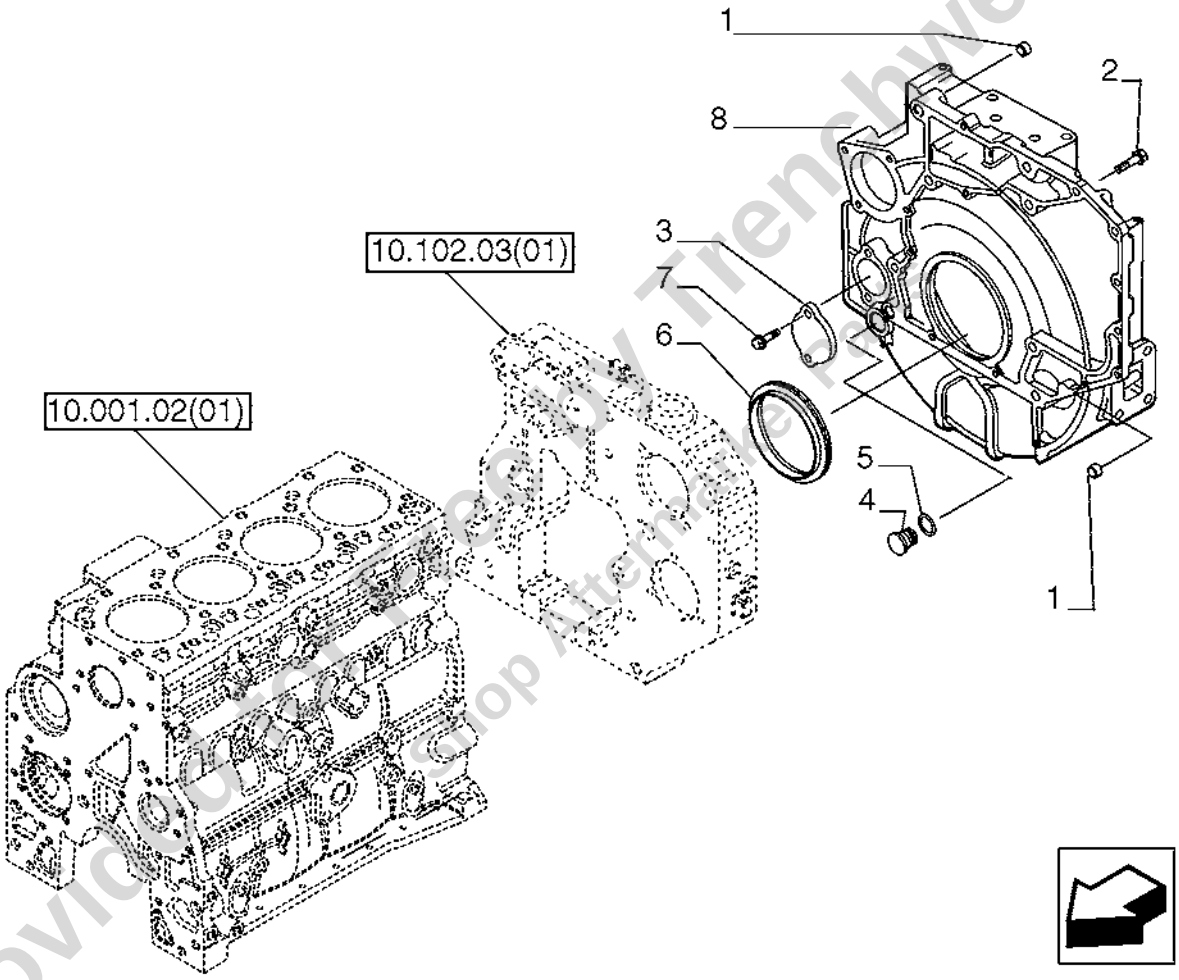
CRANKCASE COVERS (580SN, 580SN WT, 590SN)





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CRANKCASE COVERS (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899026		2	DOWEL, M18 x 10
2		4899109		2	SCREW, Hex, M10 x 1.5 x 80
2		4892915		7	FLANGE BOLT, Hex, M10 x 1.5 x 40
2		4899076		6	SCREW, Hex Flg, M12 x 1.75 x 80
2		4899064		2	SCREW, M12 x 1.75 x 120
2		4899068		2	SCREW, Hex Flg, M8 x 1.25 x 16
2		504080094		2	SCREW, M10 x 35
3		4895155		1	COVER
4		4895378		1	BUTTON PLUG, M29.2
5		4895379		1	O-RING, 21.82mm ID x 3.53mm Width
6		4890833		1	OIL SEAL, M130 x 155 x 12.5/16
7		4899143		2	SCREW, Hex Flg, M10 x 1.5 x 140
8		2855803		1	HOUSING

590SN 580SN WT
580SN

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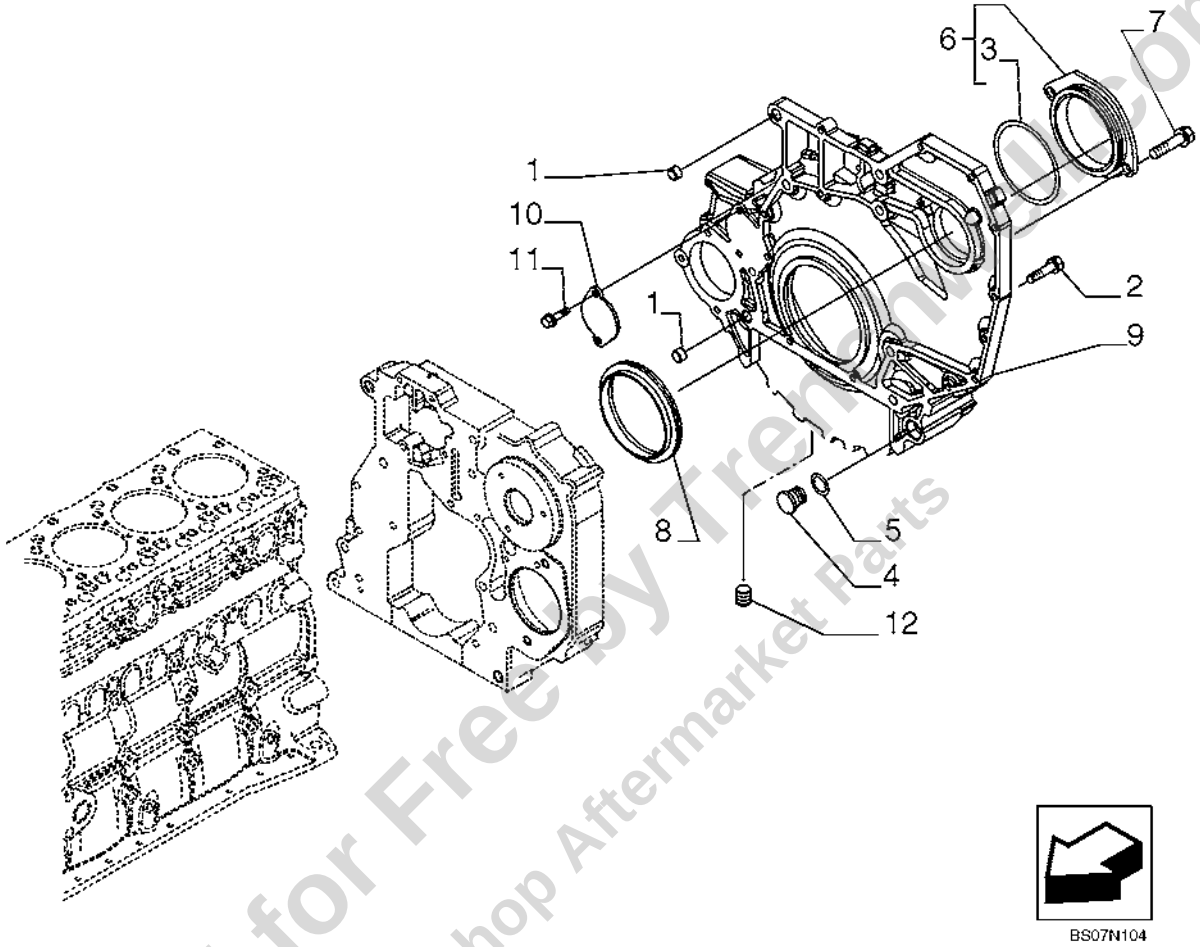
CRANKCASE COVERS (580N)



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CRANKCASE COVERS (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899026		2	DOWEL, M18 x 10
2		4899109		3	SCREW, Hex, M10 x 1.5 x 80
2		4892915		7	FLANGE BOLT, Hex, M10 x 1.5 x 40
2		4899076		5	SCREW, Hex Flg, M12 x 1.75 x 80
2		4899074		2	SCREW, Hex Flg, M12 x 1.75 x 120
2		4899143		1	SCREW, Hex Flg, M10 x 1.5 x 140
2		2852865		2	FLANGE BOLT, Lock, Shoulder, M10 x 33
3		2854075		1	O-RING, M75.87 ID x 2.62 Thk
4		4895378		2	BUTTON PLUG, M29.2
5		4895379		2	O-RING, 21.82mm ID x 3.53mm Width
6		2854073		1	COVER
7		4899020		2	FLANGE BOLT, Hex, M8 x 1.25 x 20
8		4890833		1	OIL SEAL, M130 x 155 x 12.5/16
9		2855178		1	HOUSING
10		4895155		1	COVER
11		4899068		2	SCREW, Hex Flg, M8 x 1.25 x 16
12		4893036		1	PIPE PLUG, 3/4"-14 NPTF, Alternate part to 2854866
12		2854866		1	HEX SOCKET PLUG, 3/4"-14 NPTF, Alternate part to 4893036

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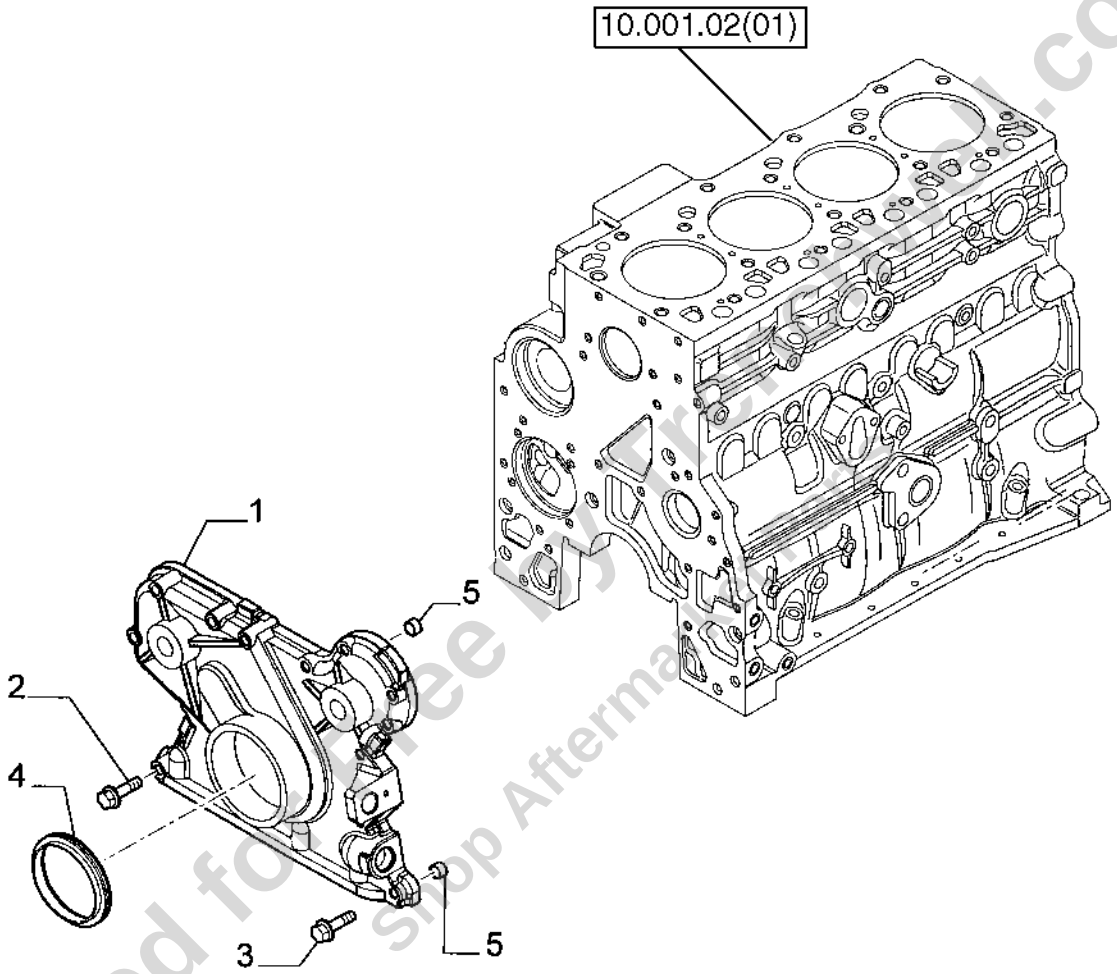
CYLINDER BLOCK - COVERS (580SN, 580SN WT, 590SN)



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CYLINDER BLOCK - COVERS (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4897024		1	COVER, Front Gear
2		4899078		5	SCREW, Hex Flg, M8 x 1.25 x 45
3		4899063		8	SCREW, Hex Flg, M8 x 1.25 x 30
4		4890832		1	OIL SEAL, M70 x 100 x 12.5/16
5		4891209		2	DOWEL, M13 x 8 L

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590SN 580SN WT
580SN

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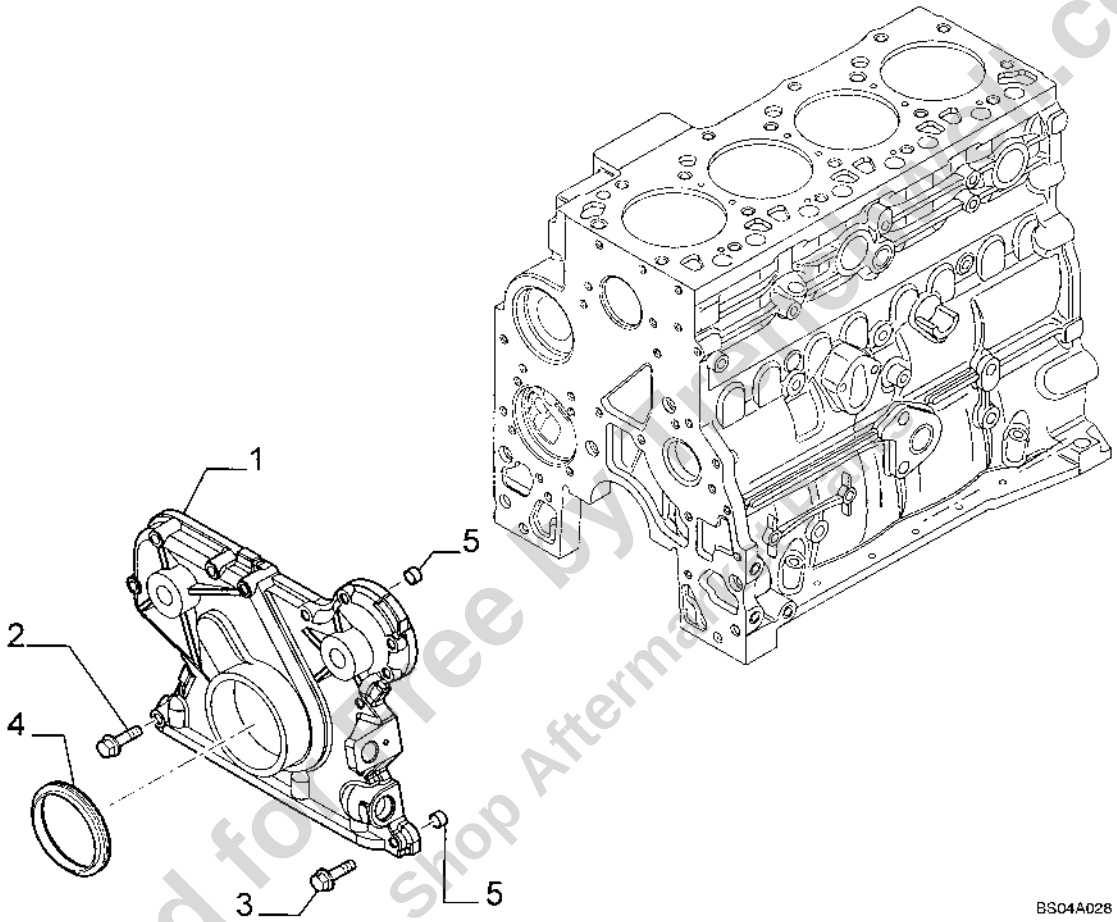
CYLINDER BLOCK - COVERS (580N)



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CYLINDER BLOCK - COVERS (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4897024		1	COVER, Front Gear
2		4899078		5	SCREW, Hex Flg, M8 x 1.25 x 45
3		4899063		8	SCREW, Hex Flg, M8 x 1.25 x 30
4		4890832		1	OIL SEAL, M70 x 100 x 12.5/16
5		4891209		2	DOWEL, M13 x 8 L

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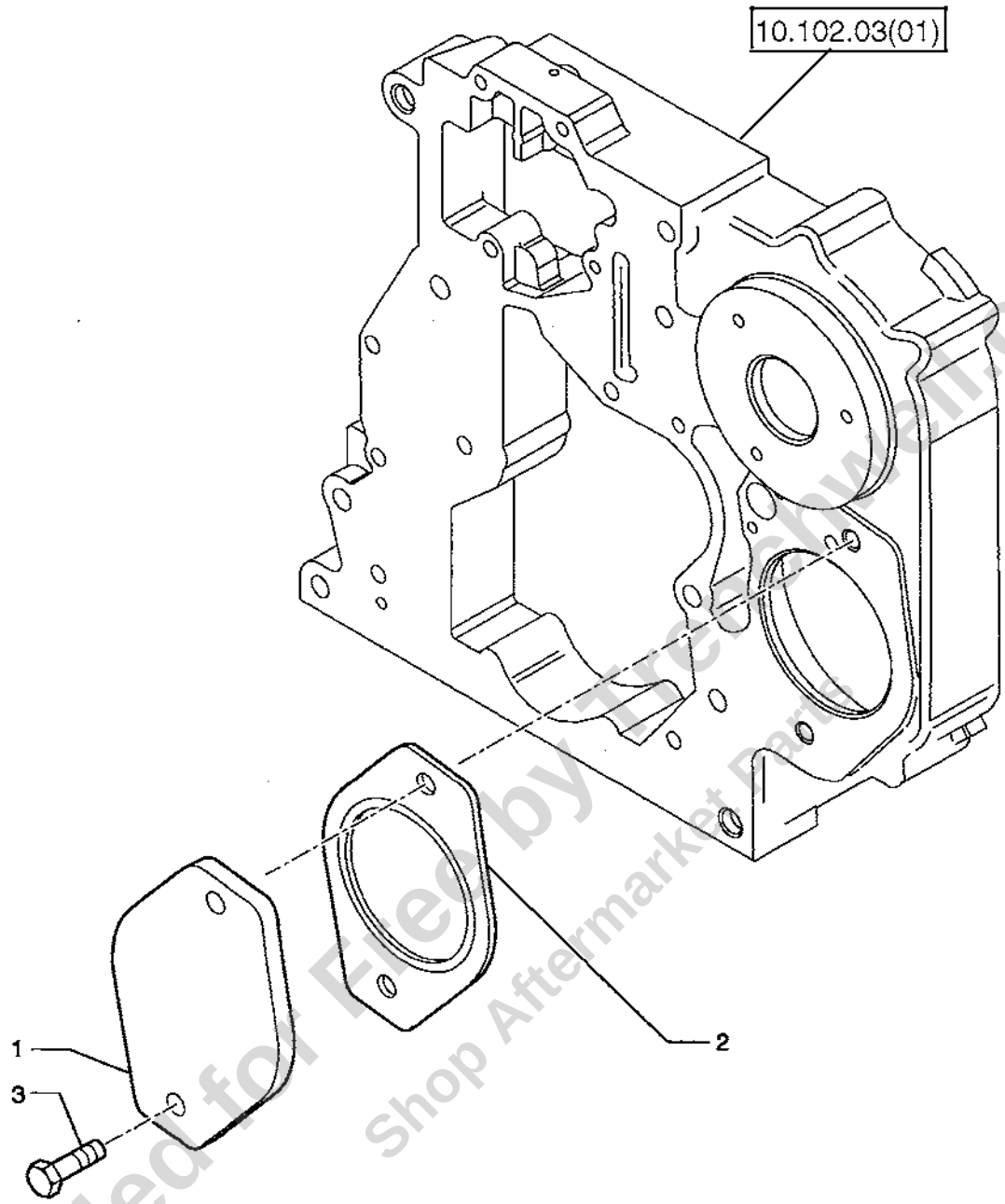
10.102.06		p1	10/10

ACCESSORY DRIVE COVER (580SN, 580SN WT, 590SN)



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ACCESSORY DRIVE COVER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2852175		1	COVER, If Used
2		4896897		1	GASKET
3		16677734		2	BOLT, Hex Flg, M12 x 1.75 x 25

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590SN 580SN WT
580SN

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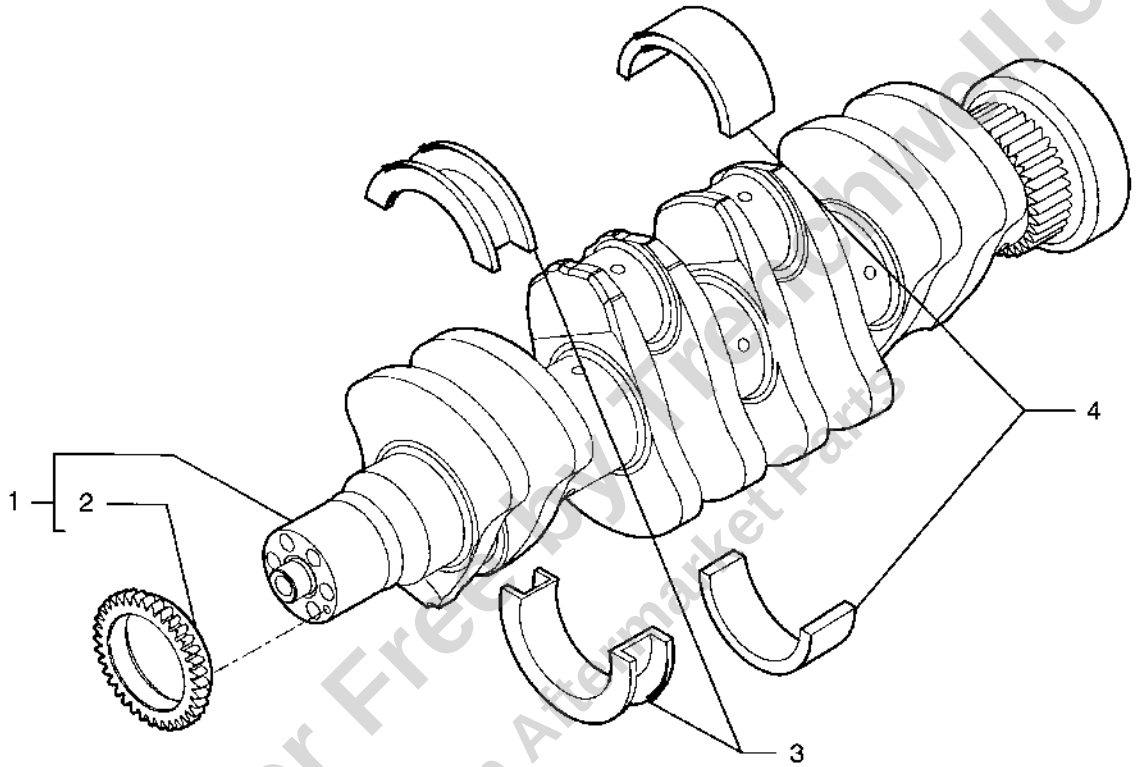
10.103.01		p1	10/10

CRANKSHAFT (580SN, 580SN WT, 590SN)



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CRANKSHAFT (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84131473		1	SHORT ENGINE
1		2853822		1	CRANKSHAFT, Incl. Ref 2, 5
2		4893386		1	GEAR, 36 T
3		2995784		1	SET OF THRUST WASHERS (STD)
3		2995785		1	SET OF MAIN BRGS -0.254, -0.25 Undersize
3		2995786		1	SET OF THRUST WASHERS +0.508, -0.50 Undersize
4		2995787		4	SET OF STD MAIN BRGS
4		2995788		4	SET OF MAIN BRGS -0.254, Undersize
4		2992149		4	SET OF MAIN BRGS -0.508, -0.50 Undersize
5		4899046		1	DOWEL, M6 x 9 L, Not Illustrated

590SN 580SN WT
580SN

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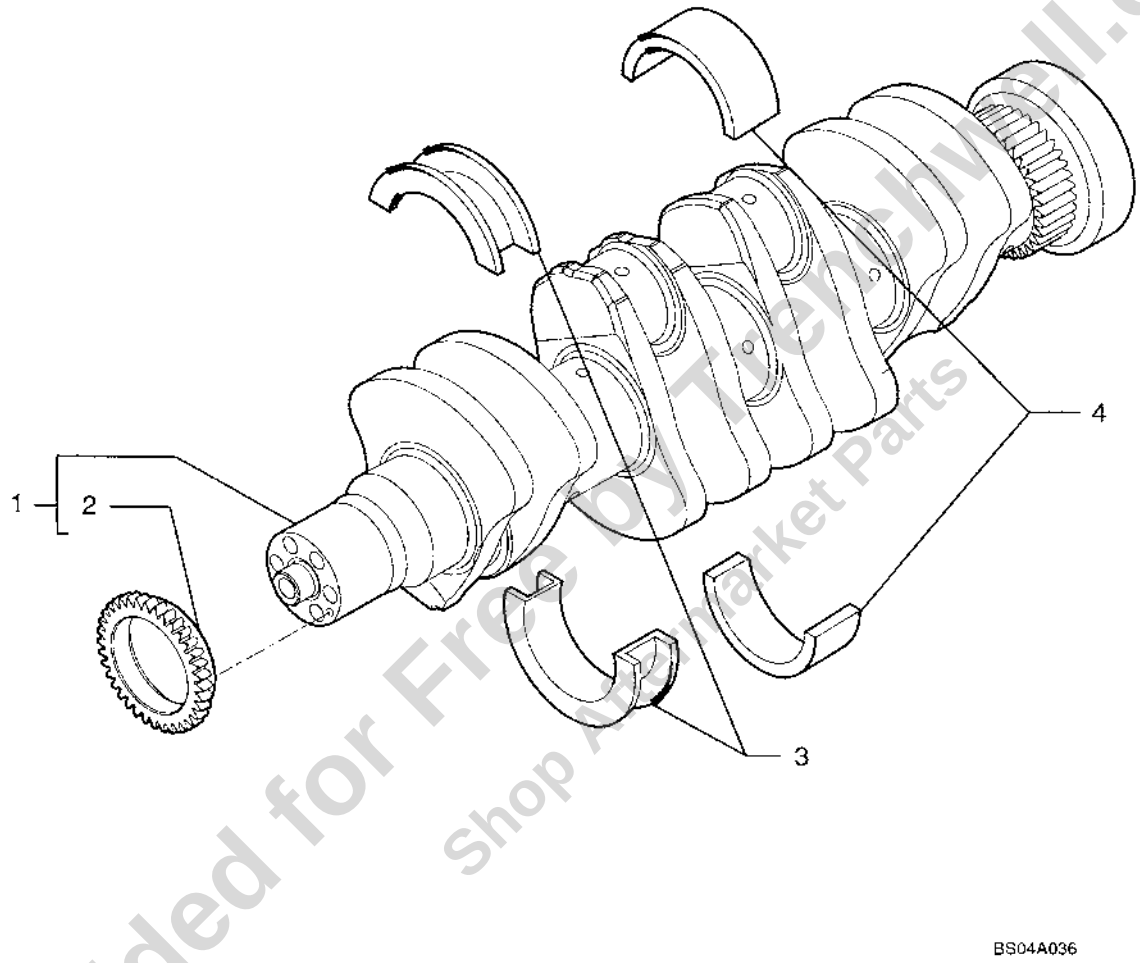
CRANKSHAFT (580N)



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CRANKSHAFT (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2853822		1	CRANKSHAFT, Incl. Ref. 2
2		4893386		1	GEAR, 36 T
3		2995784		1	SET OF THRUST WASHERS (STD)
3		2995785		1	SET OF MAIN BRGS -0.254, -0.25
3		2995786		1	SET OF THRUST WASHERS +0.508, -0.5
4		2995787		4	SET OF STD MAIN BRGS
4		2995788		4	SET OF MAIN BRGS -0.254
4		2992149		4	SET OF MAIN BRGS -0.508, ; -0.5
5		4899046		1	DOWEL, M6 x 9 L, Not Illustrated
		84131040		1	SHORT ENGINE, Kit, Tier 3 Short Block; Includes All Items on Fig 02-09, Ref 1, 6 - 10 On Fig 02-10, Ref 1 - 4 On Fig 02-21, Ref 1, 4 On Fig 02-22, Ref 1 - 4 On Fig 02-23, And Ref 1 - 7 On Fig 02-28

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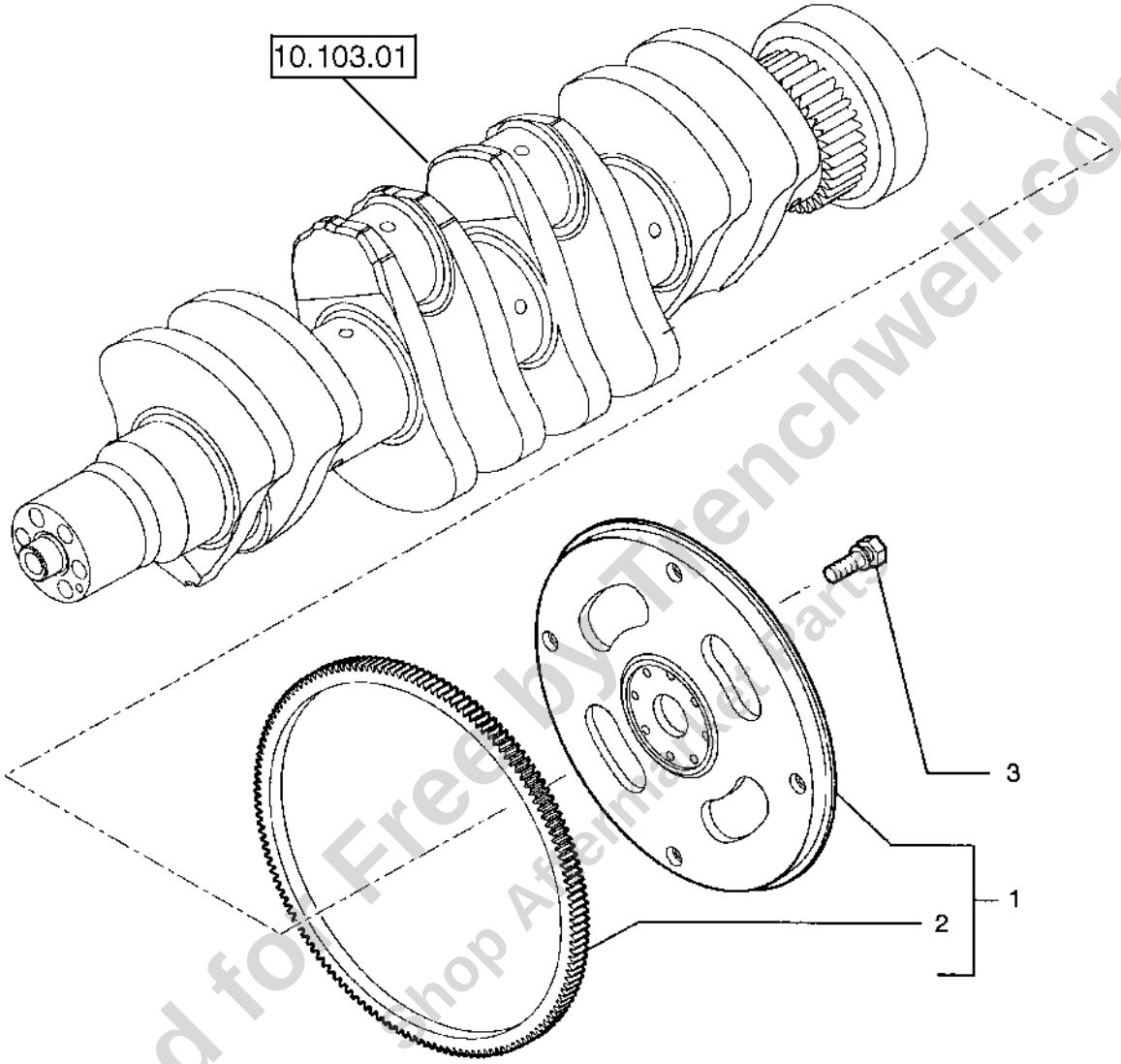
10.103.03		p1	10/10

FLYWHEEL - ENGINE (580SN, 580SN WT, 590SN)



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FLYWHEEL - ENGINE (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2852049		1	ENGINE FLYWHEEL, Incl. Ref 2
2		2852051		1	RING GEAR
3		4894641		8	CAPTIVE WASHER SCREW, M12 X 1.25 X 31mm

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590SN 580SN WT
580SN

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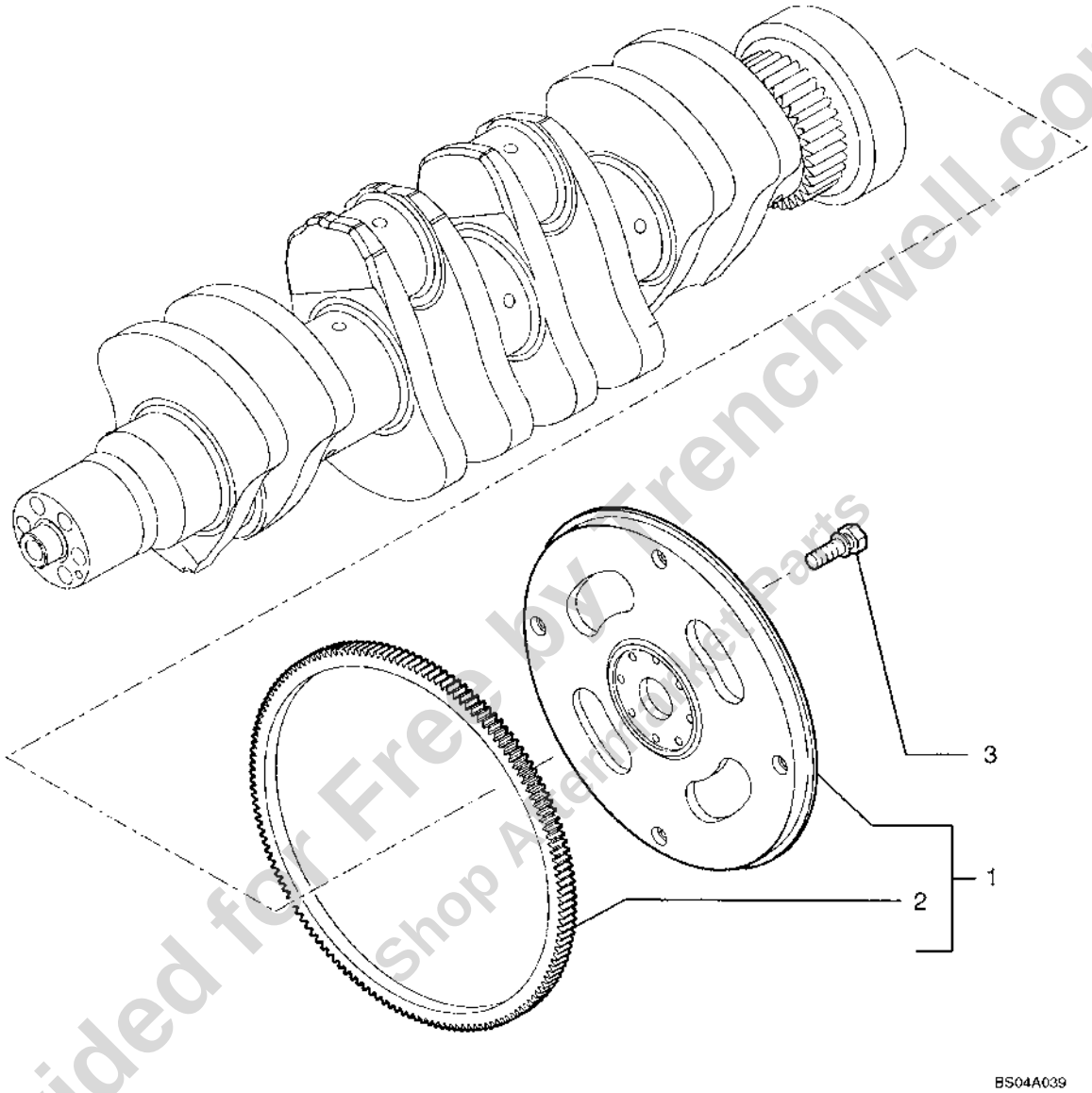
FLYWHEEL - ENGINE (580N)



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Shop Allen Power Parts

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FLYWHEEL - ENGINE (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2852049		1	ENGINE FLYWHEEL, - ASSY; Incl. Ref 2
2		2852051		1	RING GEAR
3		4894641		8	CAPTIVE WASHER SCREW, M12 X 1.25 X 31mm

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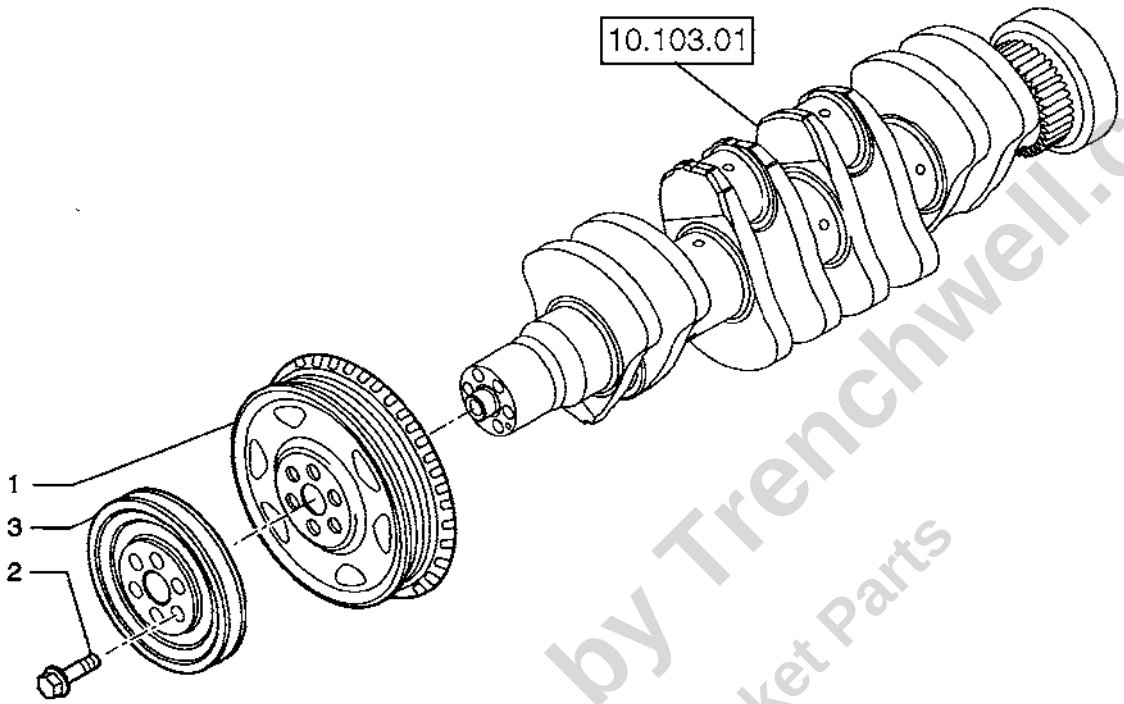
10.103.06		p1	10/10

PULLEY - CRANKSHAFT (580SN, 580SN WT, 590SN)



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PULLEY - CRANKSHAFT (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4896773		1	PULLEY
2		4892867		6	SCREW, Torx Wash Hd, M12 x 1.25 x 78.5
3		2856238		1	PULLEY

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590SN 580SN WT
580SN

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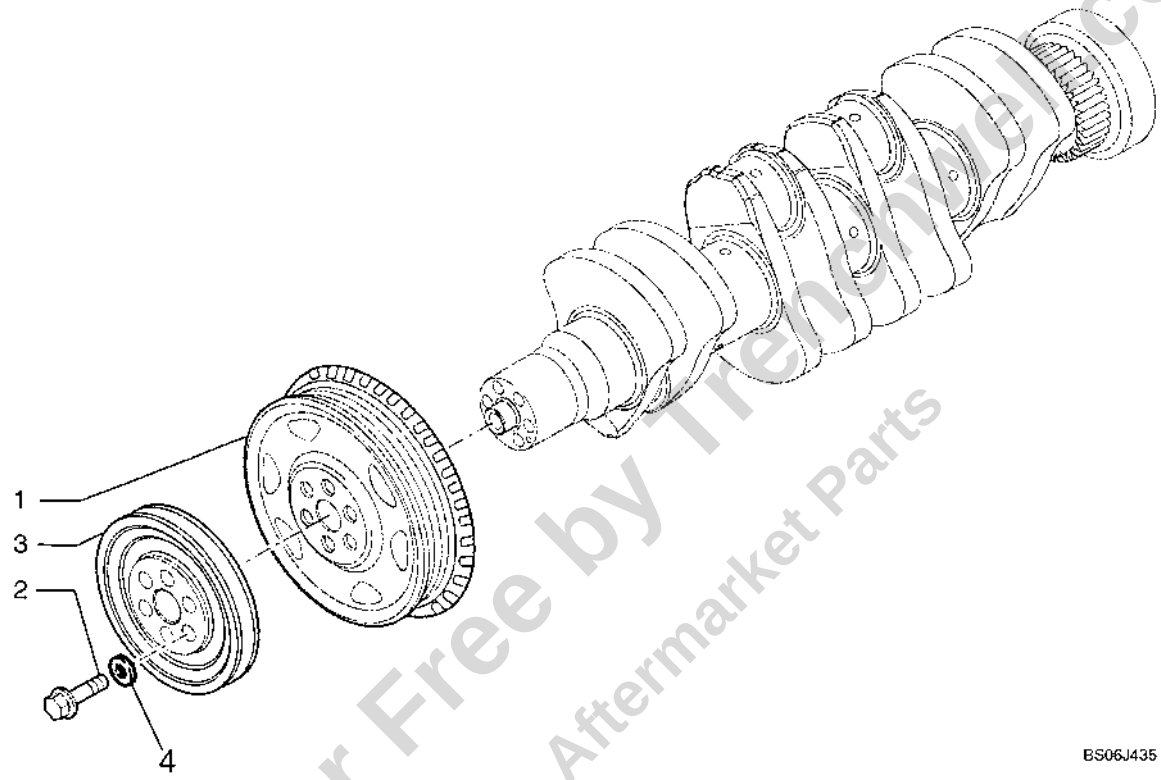
PULLEY - CRANKSHAFT (580N)



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PULLEY - CRANKSHAFT (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		2855380		1	PULLEY, Pulley Assembly, Incl. Ref. 1 - 3
1		4896773		1	PULLEY
2		4892867		6	SCREW, Torx Wash Hd, M12 x 1.25 x 78.5, Incl. 4
3		2855381		1	PULLEY, Pulley
4		NSS		6	NOT SERVICED SEPARATELY, Washer

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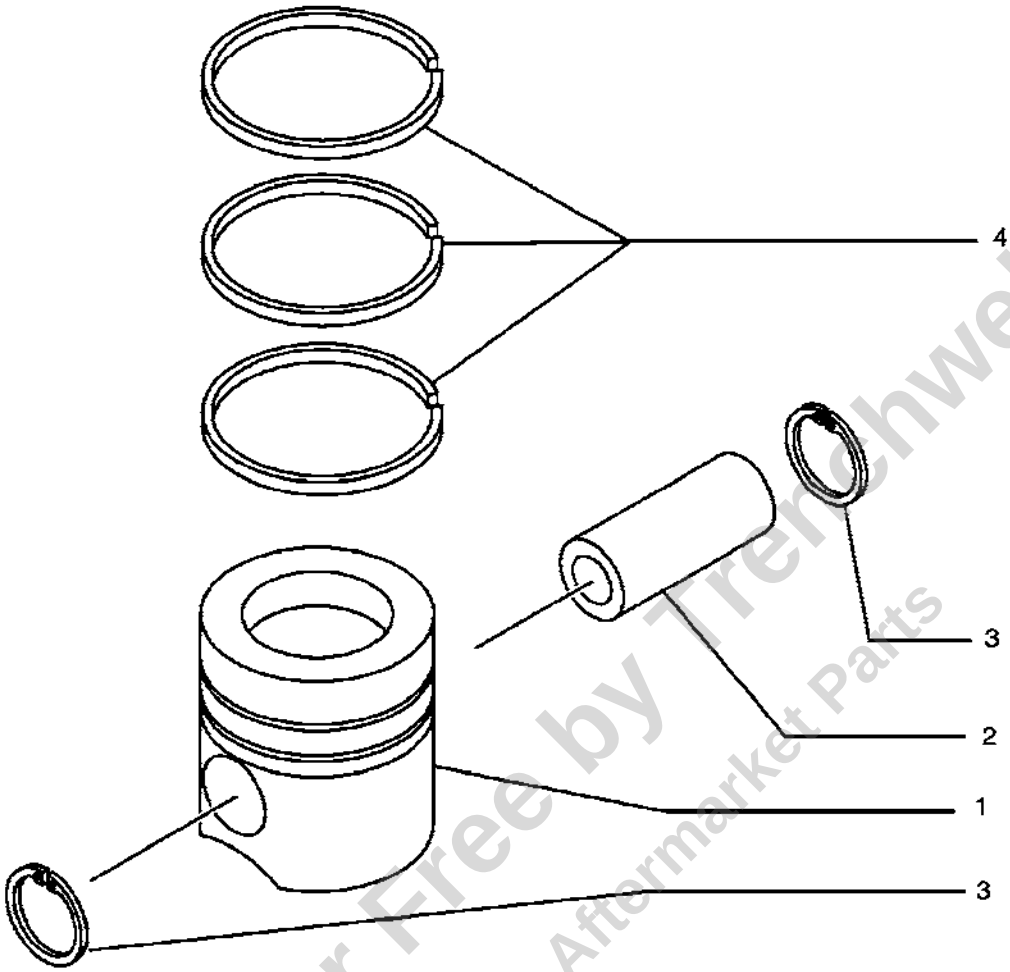
PISTON - ENGINE (580SN, 580SN WT, 590SN)



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PISTON - ENGINE (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84131473		1	SHORT ENGINE
		87317256		1	PISTON & RINGS KIT, Standard; Incl. Piston 2855519, Top Compression Ring 2854603, Second Compression Ring 2830158, Oil Control Ring 2852037, Piston Pin 4892712, And Retainer 4892713
		87317257		1	PISTON & RINGS KIT, 0.4 mm Oversize, Incl. Piston 2856713, Top Compression Ring 2856, Second Compression Ring 2830159, Oil Control Ring 2853875, Piston Pin 4892712, And Retainer 4892713
1		2855519		4	PISTON, PISTON
2		4892712		4	PISTON PIN
3		4892713		8	SNAP RING, Int, M26.4
		87582179		1	PISTON RINGS KIT, STD; Incl. Top Compression Ring 2854603, Second Compression Ring 2830158, Oil Control Ring 2852037
		87582180		1	PISTON RINGS KIT, 0.4 mm Oversize; Incl. Top Cmpression Ring 2856713, Second Compression Ring 2830159, Oil Control Ring 2853875
4		2854603		1	PISTON RING, Sealing
4		2830158		1	PISTON RING
4		2852037		1	PISTON RING

590SN 580SN WT
580SN

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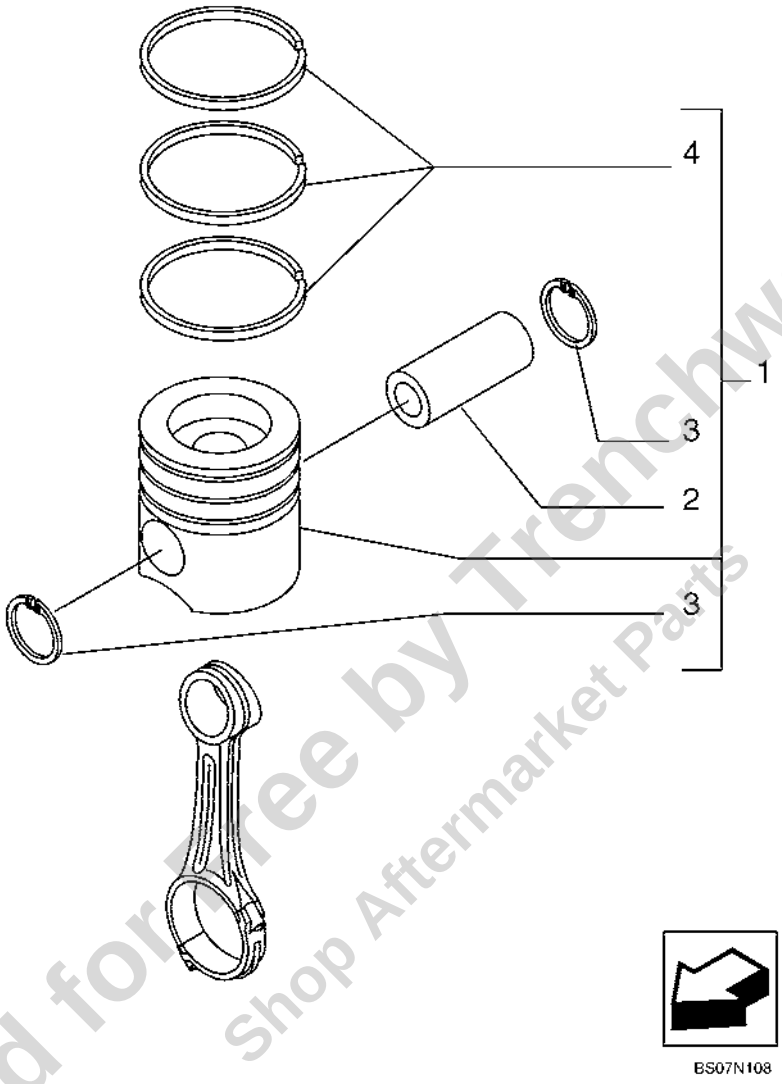
PISTON - ENGINE (580N)



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PISTON - ENGINE (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		8094740		1	PISTON & RINGS KIT, STD, Incl Piston 2855531, Top Compression Ring 2854603, Second Compression Ring 2830158, Oil Control Ring 2852037, Piston Pin 4892712, And Retainer 4895088
		87317252		1	PISTON & RINGS KIT, Oversized, Incl. Piston 2856484, Top Compression Ring 2854141, Second Compression Ring 2830159, Oil Control Ring 2853875, Piston Pin 4892712, And Retainer 4895088
		87647551		1	PISTON & RINGS KIT, 0.8 mm Oversize, Incl Piston 2856485, Top Compression Ring 2854142, Second Compression Ring 2830160, Oil Control Ring 2853876, Piston Pin 4892712, And Retainer 4895088
1		2855531		4	PISTON, (Std)
2		4892712		4	PISTON PIN
3		4892713		8	SNAP RING, Int, M26.4
		8094845		1	PISTON RINGS KIT, STD; Incl. Top Cmpression Ring 2854603, Second Compression Ring 2830158, Oil Control Ring 2852037
		87582180		1	PISTON RINGS KIT, 0.4 mm Oversize; Incl. Top Cmpression Ring 2856713, Second Compression Ring 2830159, Oil Control Ring 2853875
		87582181		1	PISTON RINGS KIT, 0.8 mm Oversize; Incl. Top Cmpression Ring 2856714, Second Compression Ring 2830160, Oil Control Ring 2853876
4		2830158		1	PISTON RING, (Standard)
4		2852037		1	PISTON RING
4		2854603		1	PISTON RING, Piston seal
		84131040		1	SHORT ENGINE, Kit, Tier 3 Short Block; Includes All Items on Fig 02-09, Ref 1, 6 - 10 On Fig 02-10, Ref 1 - 4 On Fig 02-21, Ref 1, 4 On Fig 02-22, Ref 1 - 4 On Fig 02-23, And Ref 1 - 7 On Fig 02-28

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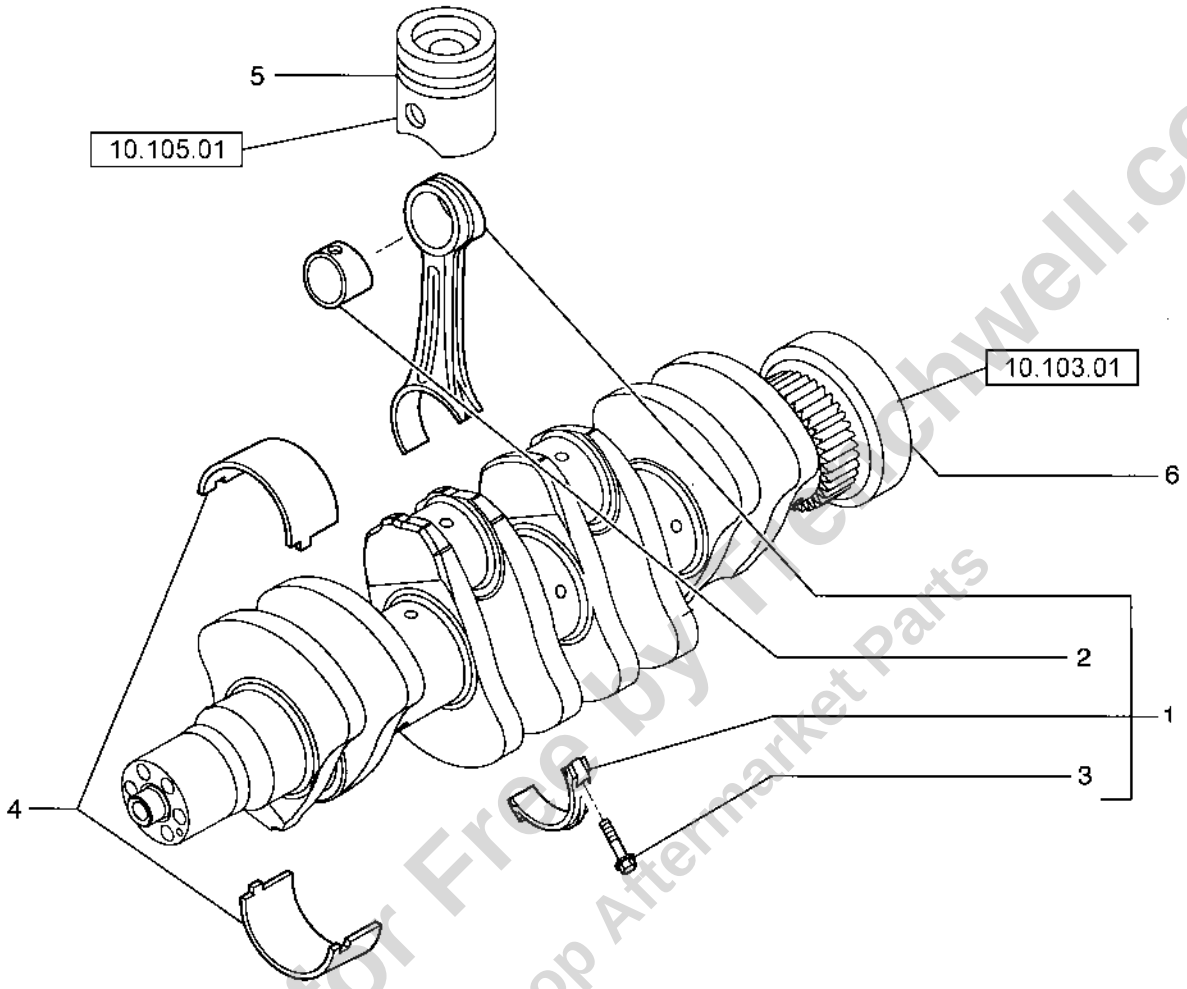
10.105.02		p1	10/10

PISTONS - CONNECTING ROD (580SN, 580SN WT, 590SN)



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PISTONS - CONNECTING ROD (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84131473		1	SHORT ENGINE
1		2831298		4	CONNECTING ROD, Incl. Refs 2, 3
2		4892708		1	BUSHING
3		2831297		2	FLANGE BOLT, Hex, M10 x 1.25 x 52
4		8093882		4	SET OF CONN ROD BRGS (STD), Standard
4		8094960		4	SET OF CONN ROD BRGS (STD), (-0.250), .025 mm oversize
4		8094961		4	SET OF CONN ROD BRGS (STD), (-0.500), .050 mm oversize
5		REF		1	INSTRUCTION, PISTON
6		REF		1	INSTRUCTION, CRANKSHAFT

590SN 580SN WT
580SN

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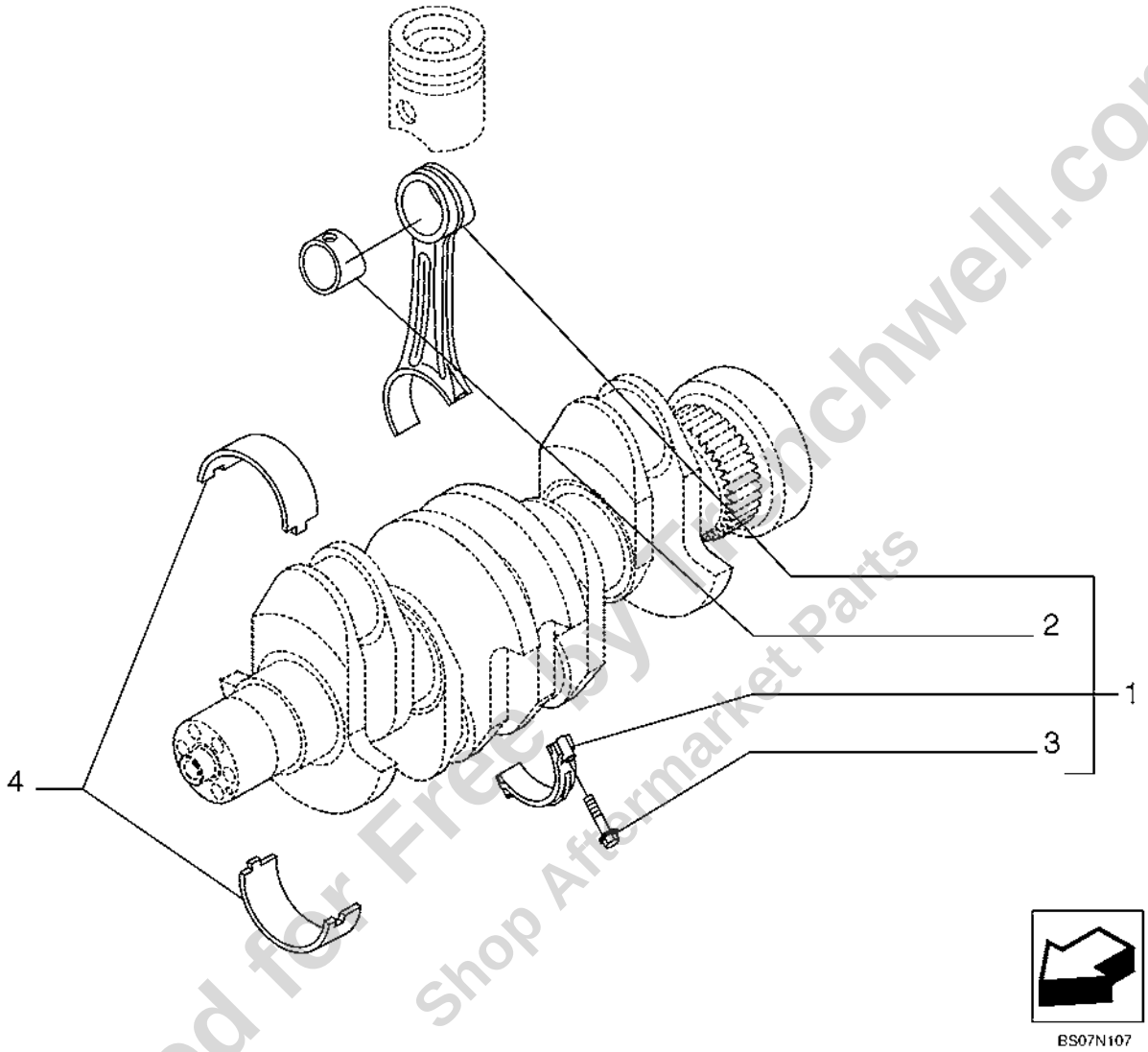
CONNECTING ROD (580N)



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CONNECTING ROD (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2831298		4	CONNECTING ROD, Incl. 2, 3
2		4892708		1	BUSHING
3		2831297		2	FLANGE BOLT, Hex, M10 x 1.25 x 52
4		8093882		4	SET OF CONN ROD BRGS (STD), Standard
4		8094960		4	SET OF CONN ROD BRGS (STD), (-0.250), .025 mm oversize
4		8094961		4	SET OF CONN ROD BRGS (STD), (-0.500), .050 mm oversize
		84131040		1	SHORT ENGINE, Kit, Tier 3 Short Block; Includes All Items on Fig 02-09, Ref 1, 6 - 10 On Fig 02-10, Ref 1 - 4 On Fig 02-21, Ref 1, 4 On Fig 02-22, Ref 1 - 4 On Fig 02-23, And Ref 1 - 7 On Fig 02-28

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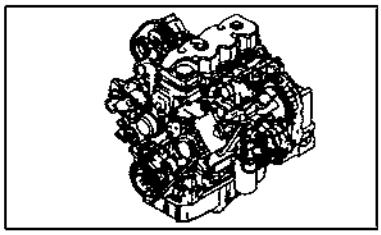
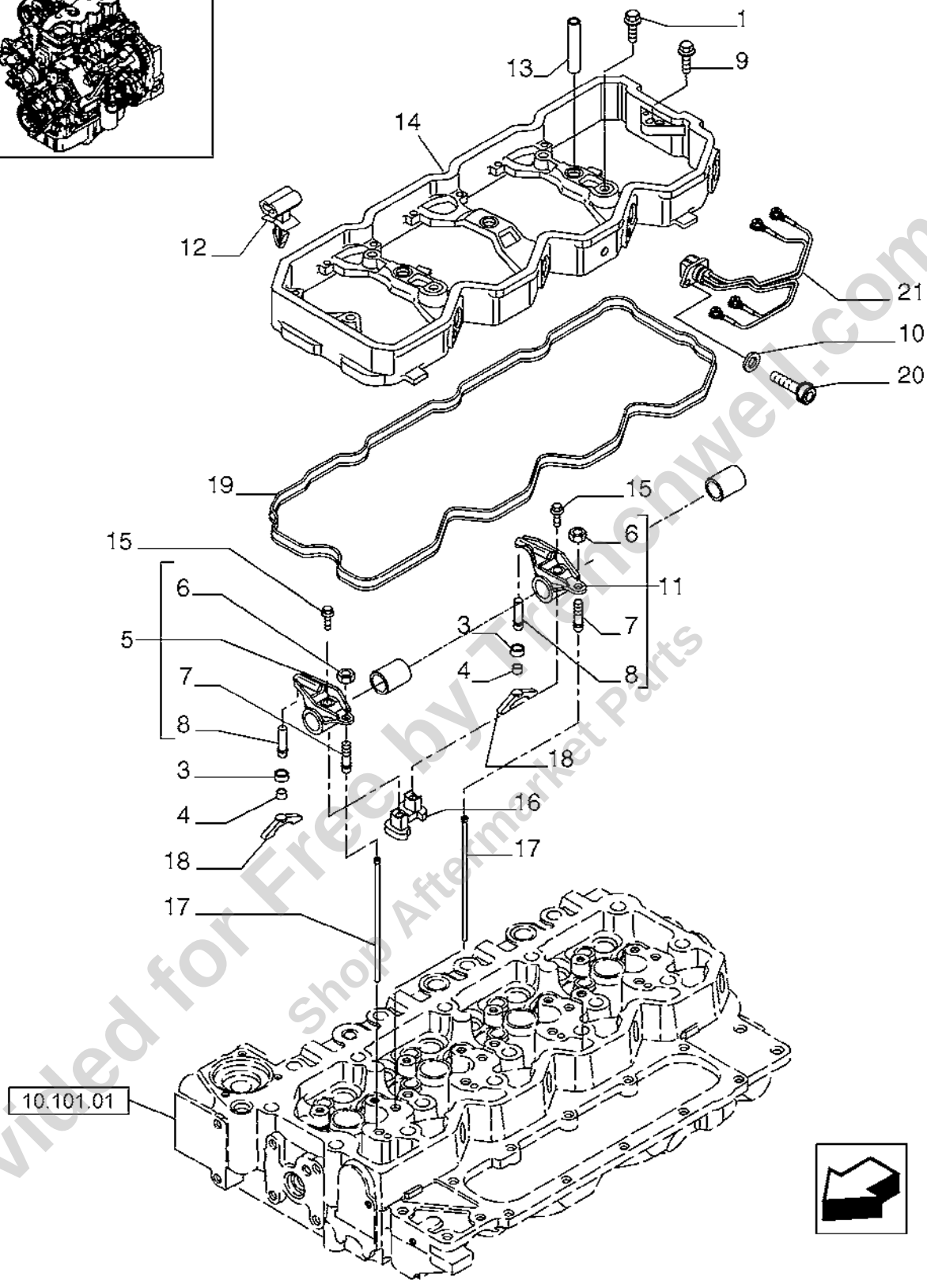
10.106.04		p1	10/10

ROCKER SHAFT (580SN, 580SN WT, 590SN)





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ROCKER SHAFT (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4895432		3	SCREW, M8 x 70
		4898717		4	ROCKER ARM, Incl. 3 - 8, 11, 15, 16
3		4897248		2	RETAINER
4		4897245		2	SOCKET
5		4895068		1	ROCKER ARM, Incl. 6 - 8
6		4895198		2	NUT, 3/8"-24, Heavy
7		2830222		2	ADJUSTMENT SCREW
8		4895065		2	SPACER
9		4899089		2	SCREW, Hex Flg, M8 x 1.25 x 50
10		4895421		2	WASHER
11		4895067		1	ROCKER ARM, Incl. 6 - 8
12		2852428		4	CLIP
13		4899245		3	SLEEVE
14		4899256		1	HOUSING, Incl. 13
15		2830434		2	SCREW
16		4893487		4	SUPPORT
17		4895031		8	PUSH ROD
18		2854530		8	BRIDGE
19		2853535		1	GASKET
20		16689121		2	SCREW, 6 x 16
21		2852427		2	WIRE HARNESS

590SN 580SN WT
580SN

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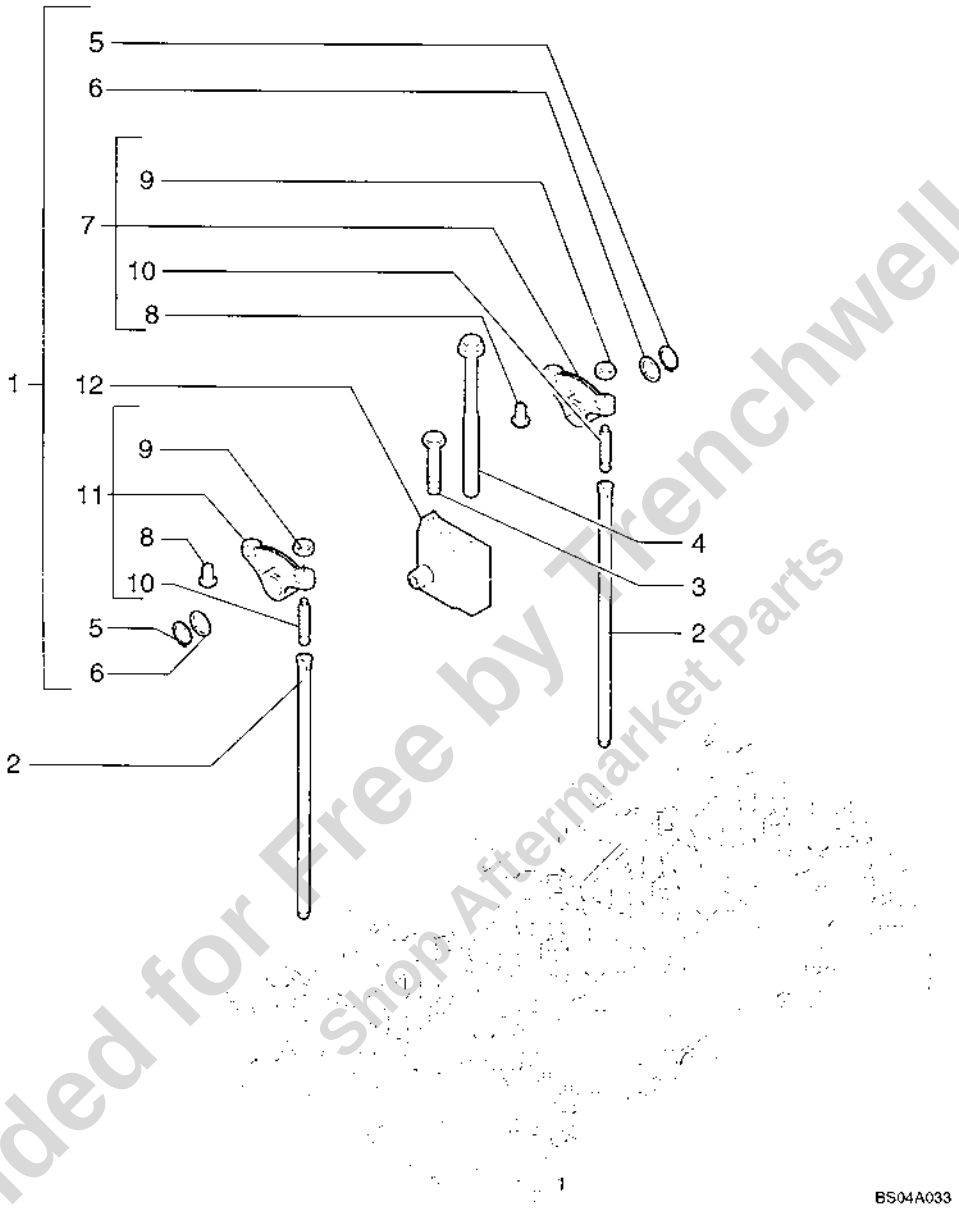
ROCKER SHAFT (580N)



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ROCKER SHAFT (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4895195		4	ROCKER, Incl. Ref 5 - 12
2		4895361		8	PUSH ROD
3		2852866		4	SCREW, Hex
4		4892860		4	SCREW, Wash Hd, M12 x 1.25 x 183
5		4895363		2	SNAP RING
6		4895364		2	WASHER
7		4895196		1	ROCKER ARM, Exhaust, Incl. Ref 8 - 10
8		4895365		2	INSERT
9		4895198		2	NUT, 3/8"-24, Heavy
10		4895199		2	ADJUSTMENT SCREW
11		4895200		1	ROCKER ARM, Intake, Incl. Ref 8 - 10
12		4895204		1	SHAFT

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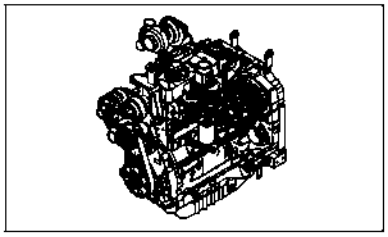
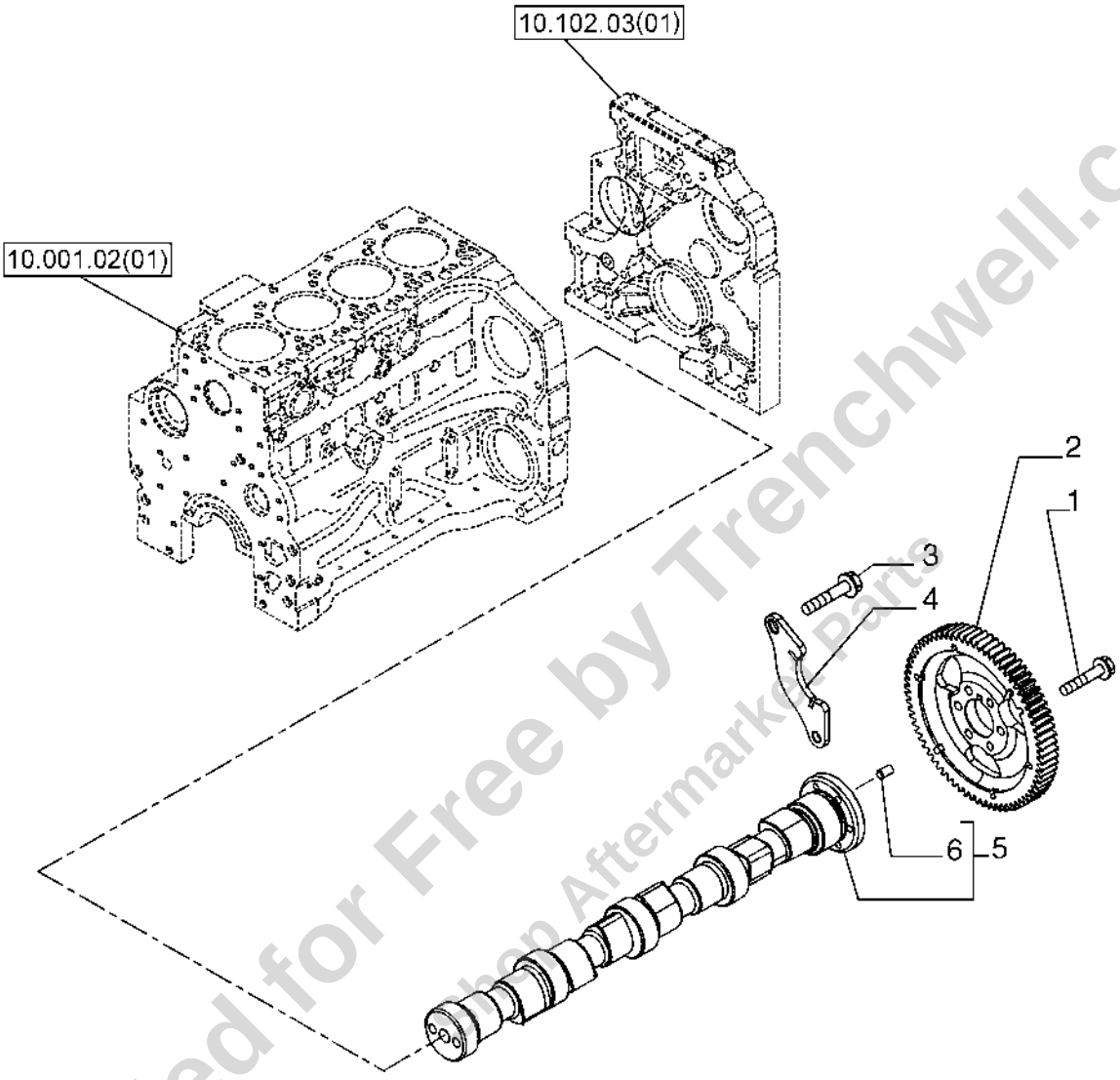
10.106.07		p1	10/10

CAMSHAFT - TIMING CONTROL (580SN, 580SN WT, 590SN)





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CAMSHAFT - TIMING CONTROL (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84131473		1	SHORT ENGINE
1		4899079		6	SCREW, Hex Flg, M8 x 1.25 x 25
2		4896381		1	GEAR
3		4899068		2	SCREW, Hex Flg, M8 x 1.25 x 16
4		4897457		1	SUPPORT
5		4896419		1	CAMSHAFT, Incl. 6
6		4899080		1	DOWEL, M6 x 8 L

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590SN 580SN WT
580SN

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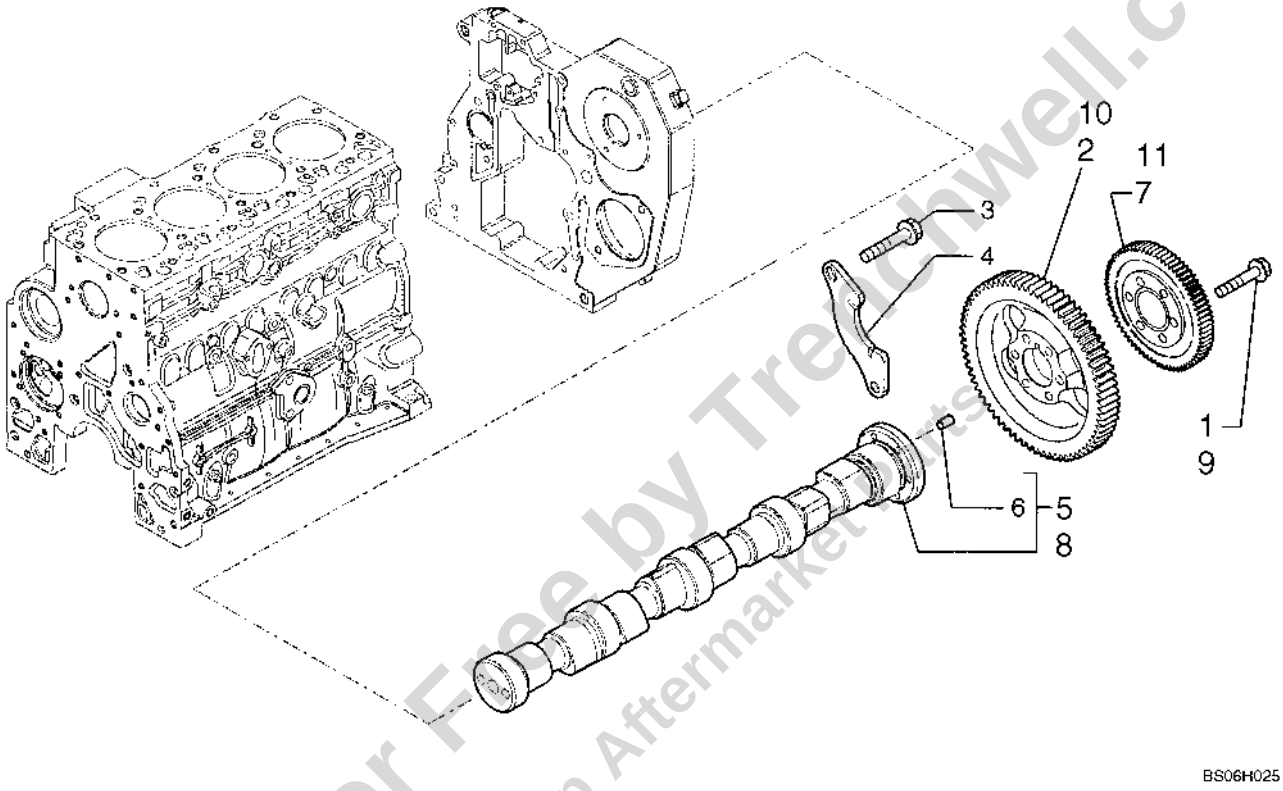
CAMSHAFT (580N)



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CAMSHAFT (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4895323		6	FLANGE BOLT, Hex, M8 x 1 x 40
2		2852062		1	GEAR
3		4899068		2	SCREW, Hex Flg, M8 x 1.25 x 16
4		4897457		1	SUPPORT
5		2856170		1	CAMSHAFT, Incl. Ref 6
6		4899080		1	DOWEL, M6 x 8 L, Pin
7		2855183		1	GEAR
		84131040		1	SHORT ENGINE, Kit, Tier 3 Short Block; Includes All Items on Fig 02-09, Ref 1, 6 - 10 On Fig 02-10, Ref 1 - 4 On Fig 02-21, Ref 1, 4 On Fig 02-22, Ref 1 - 4 On Fig 02-23, And Ref 1 - 7 On Fig 02-28

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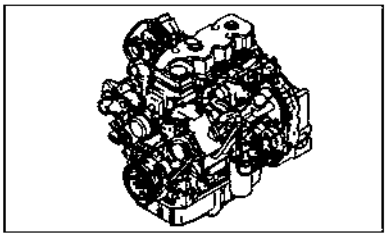
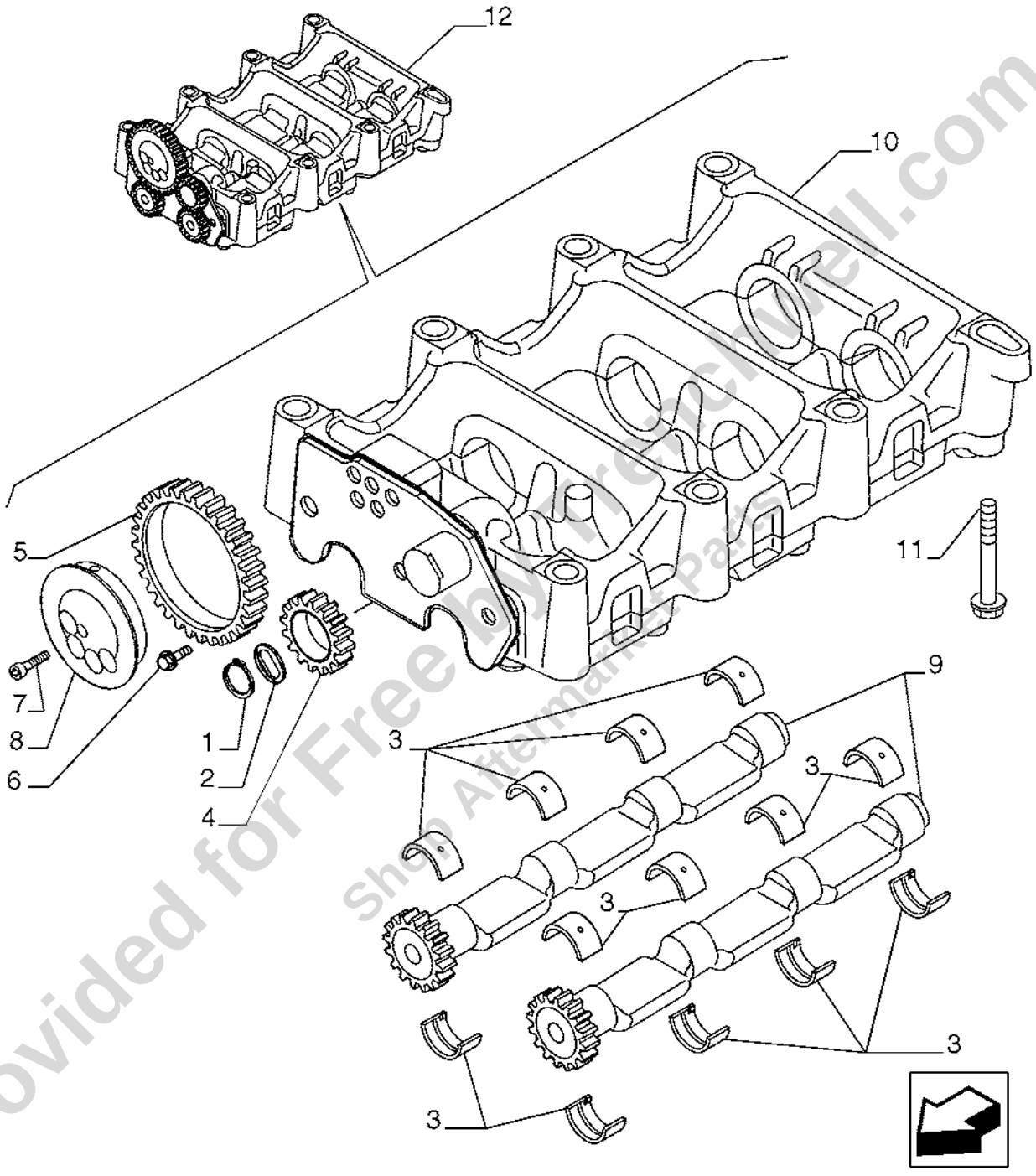
DYNAMIC BALANCER, GEARS & SHAFTS (580SN, 580SN WT, 590SN)





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DYNAMIC BALANCER, GEARS & SHAFTS (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4897125		1	SNAP RING, Ext, M23
2		2855753		1	THRUST PLATE
3		4897071		16	BUSHING
4		4897048		1	IDLER GEAR
5		4896947		1	IDLER GEAR
6		4895586		3	SCREW, Hex, Flg Hd, M8 x 16
7		2830433		5	HEX SOC SCREW
8		2831031		1	IDLE SHAFT
9		2831354		2	SHAFT
10		2855744		1	HOUSING
11		4899109		7	SCREW, Hex, M10 x 1.5 x 80
11		4897934		1	SCREW, Hex, Flg Hd, M10 x 100
12		2855743		1	BALANCER, Incl. 1 - 10

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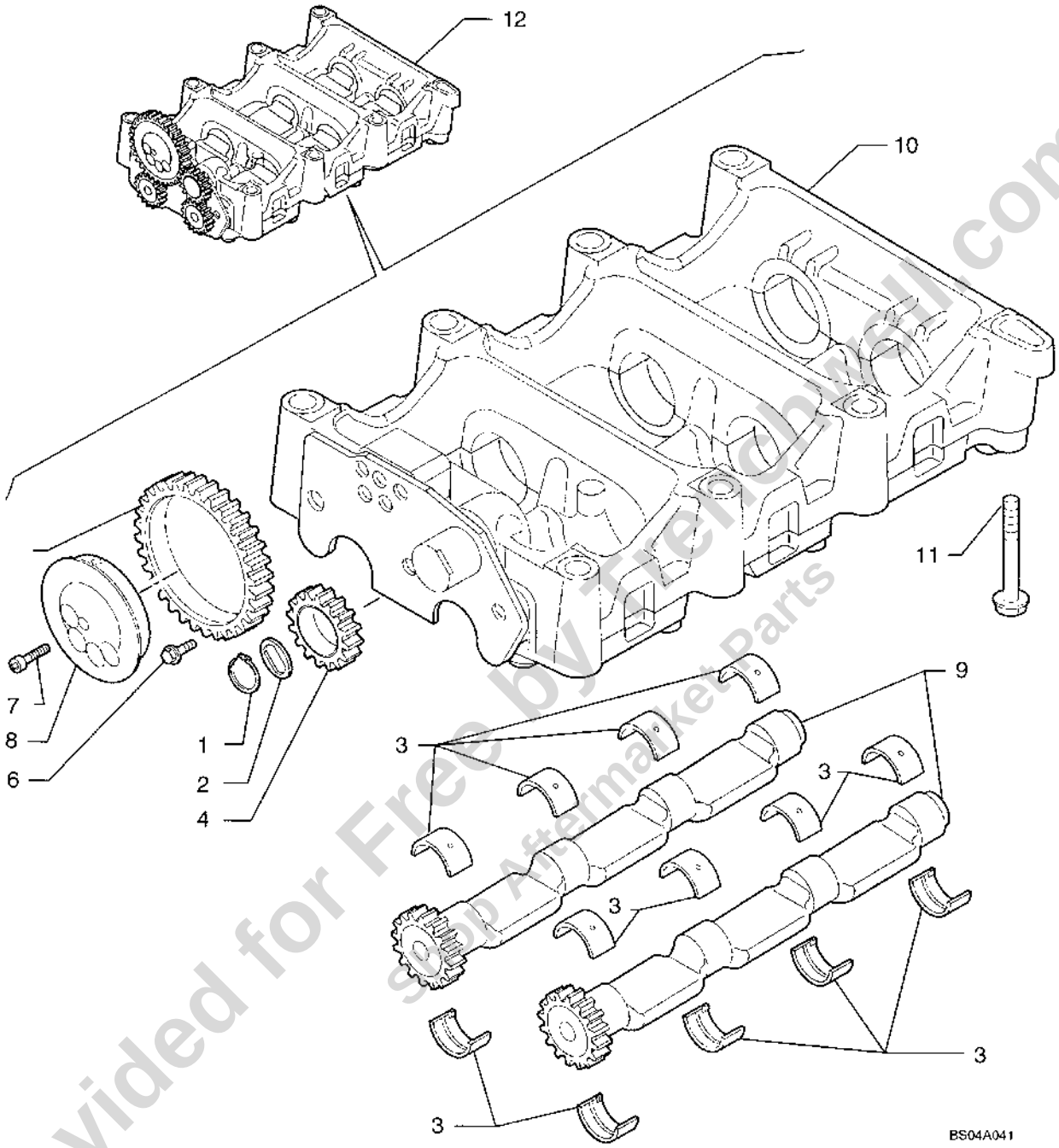
DYNAMIC BALANCER, GEARS & SHAFTS (580N)



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DYNAMIC BALANCER, GEARS & SHAFTS (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		2855743		1	BALANCER, Assembly, Incl. Ref 1 - 10
1		4897125		1	SNAP RING, Ext, M23
2		2855753		1	THRUST PLATE
3		8093883		16	SET OF STD MAIN BRGS
3		2855747		16	BUSHING
4		4897048		1	IDLER GEAR
4		2855750		1	IDLER GEAR, Gear Assembly; Alternate Part to 4897048, 4897001
5		4896947		1	IDLER GEAR
5		2855748		1	IDLER GEAR, Gear Assembly; Alternate Part to 4896947
6		4895586		3	SCREW, Hex, Flg Hd, M8 x 16
7		2830433		5-4	HEX SOC SCREW, (4) Used with 2830953 Balancer Assy
8		2831031		1	IDLE SHAFT
9		2831354		2	SHAFT
10		2855744		1	HOUSING
11		4899109		6-7	SCREW, Hex, M10 x 1.5 x 80, Flange
11		4897934		1	SCREW, Hex, Flg Hd, M10 x 100
14		2831305		1	DOWEL, M8 x 17 L
15		2855746		1	THRUST PLATE
16		2830948		1	IDLE SHAFT
17		4899027		2	DOWEL, M14.05 x 14 L, Ring

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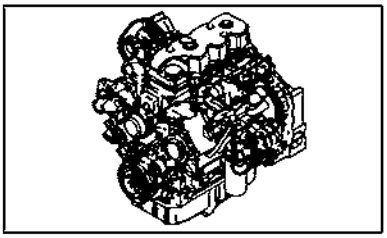
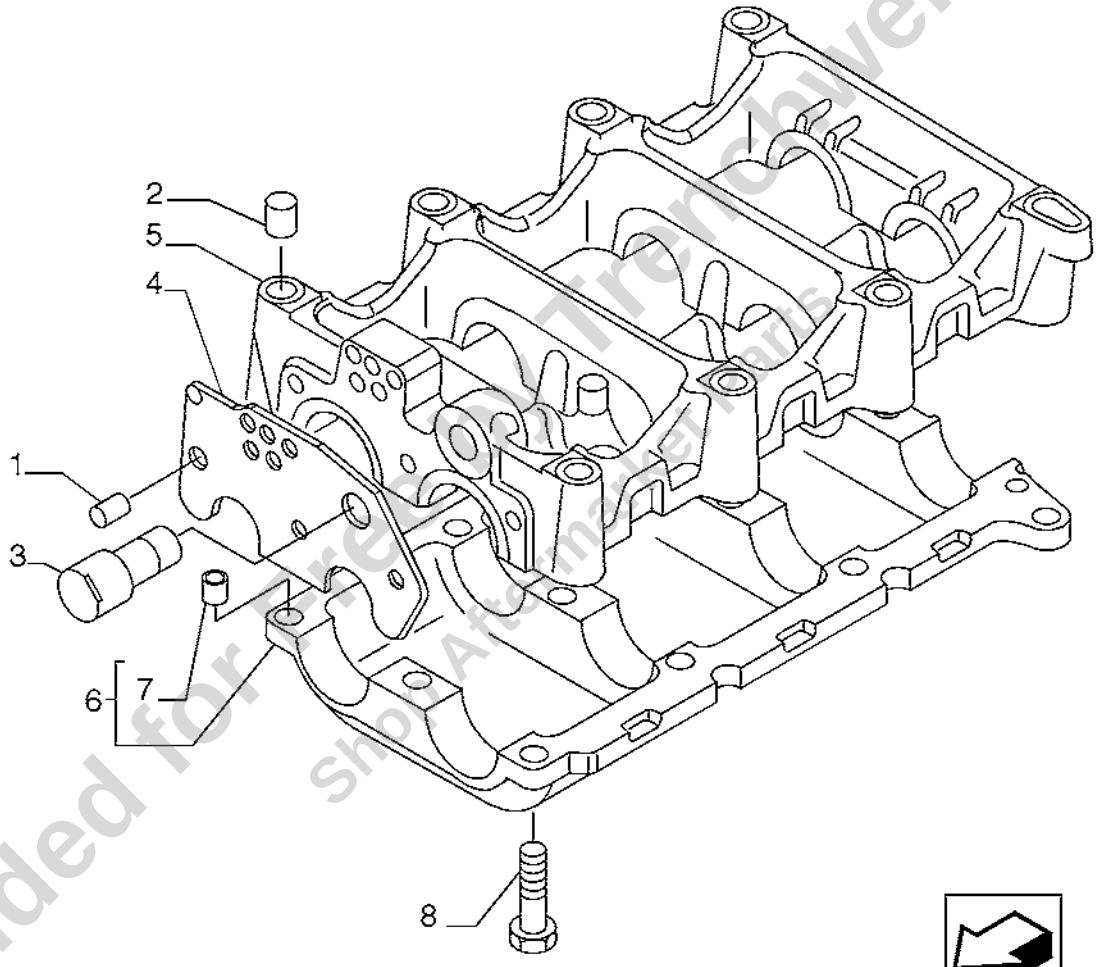
DYNAMIC BALANCER, HOUSING (580SN, 580SN WT, 590SN)





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DYNAMIC BALANCER, HOUSING (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		2855744		1	HOUSING, Dynamic Balancer; Incl. 1 - 8
1		2831305		1	DOWEL, M8 x 17 L
2		4899027		2	DOWEL, M14.05 x 14 L
3		2830948		1	IDLE SHAFT
4		2855746		1	THRUST PLATE
5		2831303		1	HOUSING
6		2831302		1	HOUSING, Incl. 7
7		4891209		6	DOWEL, M13 x 8 L
8		4895323		12	FLANGE BOLT, Hex, M8 x 1 x 40

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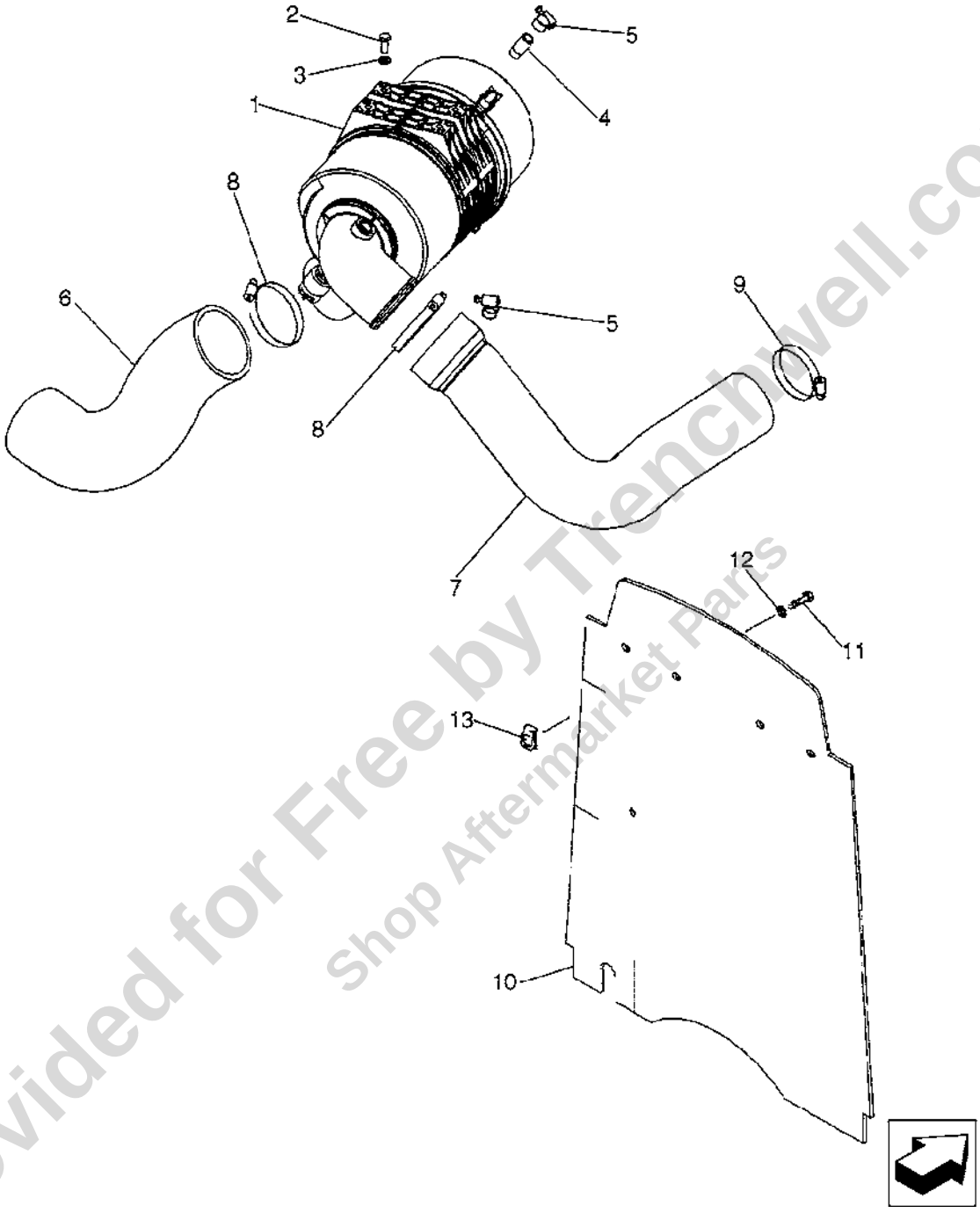
AIR CLEANER - AIR INTAKE PARTS



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AIR CLEANER - AIR INTAKE PARTS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87610338		1	AIR CLEANER
2		614-8020		4	BOLT, Hex, M8 x 20, 8.8
3		895-11008		4	WASHER, M8 x 16 x 1.6
4		L17985		1	FITTING
5		214-1412		2	HOSE CLAMP, #12, 0.69/1.25 Type F Worm
6		87545561		1	INTAKE AIR HOSE, 95.00 mm ID x 239.20 mm, SAE J200, Inlet
7		87666451		1	INTAKE AIR HOSE, 76.00 mm ID, 88.90 mm ID x 260.00 mm, SAE J20, To Turbocharger
8		214-1464		2	HOSE CLAMP, #64, 3.56/4.50 Type F Worm
9		214-1456		1	HOSE CLAMP, #56, 3.06/4.00 Type F Worm
10		87652272		1	CURTAIN, Barrier, Heat and Noise Reduction
11		806-8025		4	BOLT, Hex, Lock, M8 x 25, Cl 10.9
12		495-81001		4	WASHER, 5/16"
13		833-40408		4	NUT, M8, U

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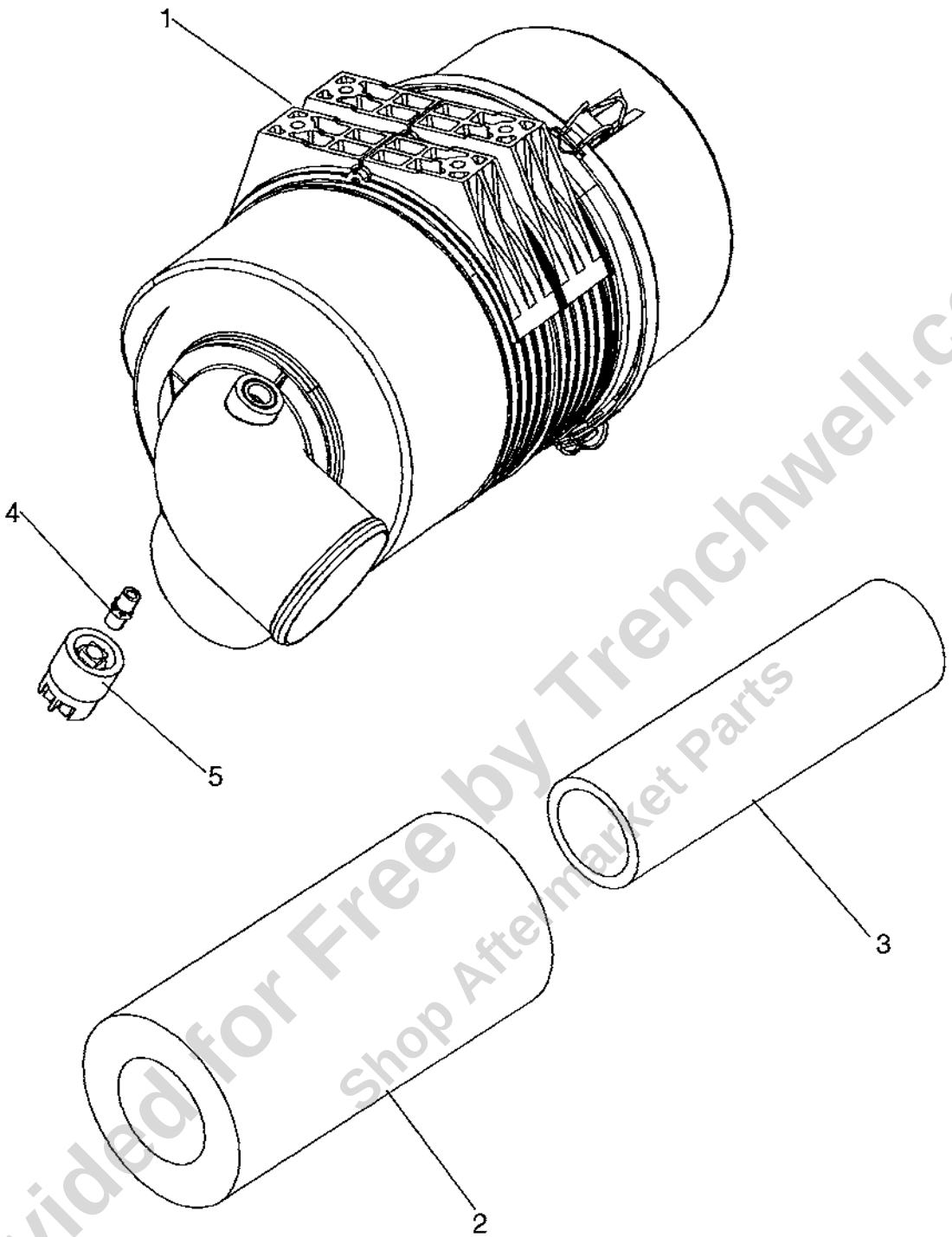
AIR CLEANER



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AIR CLEANER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87610338		1	AIR CLEANER, Incl. Ref 1 - 5
1		NSS		1	NOT SERVICED SEPARATELY, Body
2		87682989		1	AIR FILTER, Primary
3		87682999		1	AIR FILTER, Secondary
4		86976679		1	ADAPTER
5		79081900		1	SENSOR, Air

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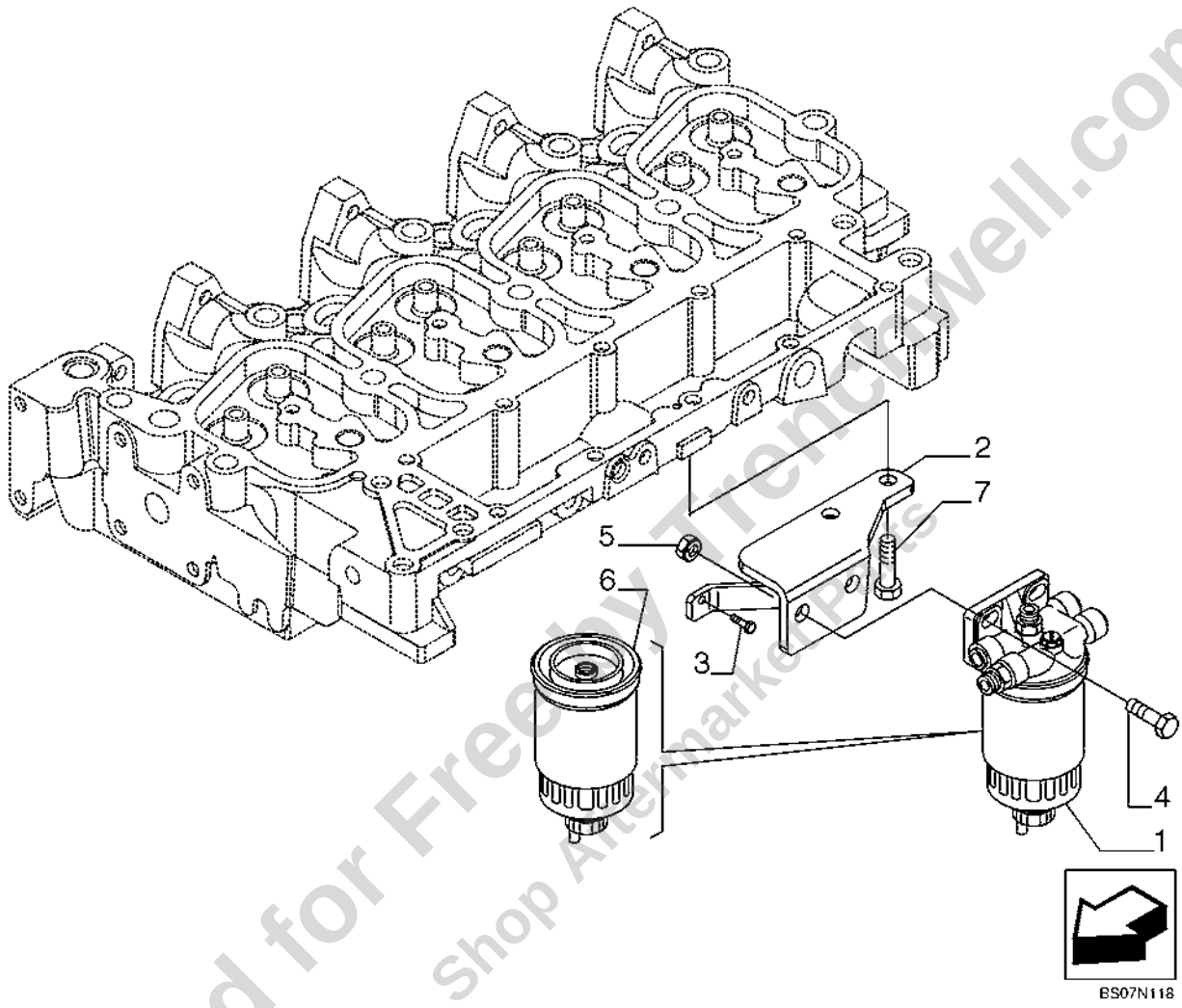
FUEL FILTER (580N)



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FUEL FILTER (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2852098		1	FILTER ASSY
2		2855103		1	SUPPORT
3		4899068		1	SCREW, Hex Flg, M8 x 1.25 x 16
4		4899849		2	SCREW, M10 x 1.5 x 35
5		4895166		2	FLANGE NUT, M10, 1.50mm Pitch, Cl 10, M10 x 1.5
6		84214564		1	FUEL FILTER
7		2830411		2	SCREW, M08 x 1.25 x 30

Service fuel filter element changed to 84214564 for better fit on 580N with cab and A/C (13 Feb 2012)

580N

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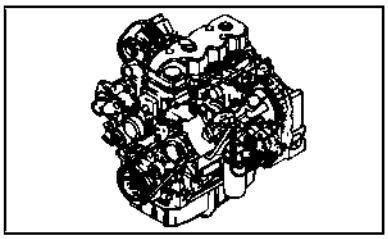
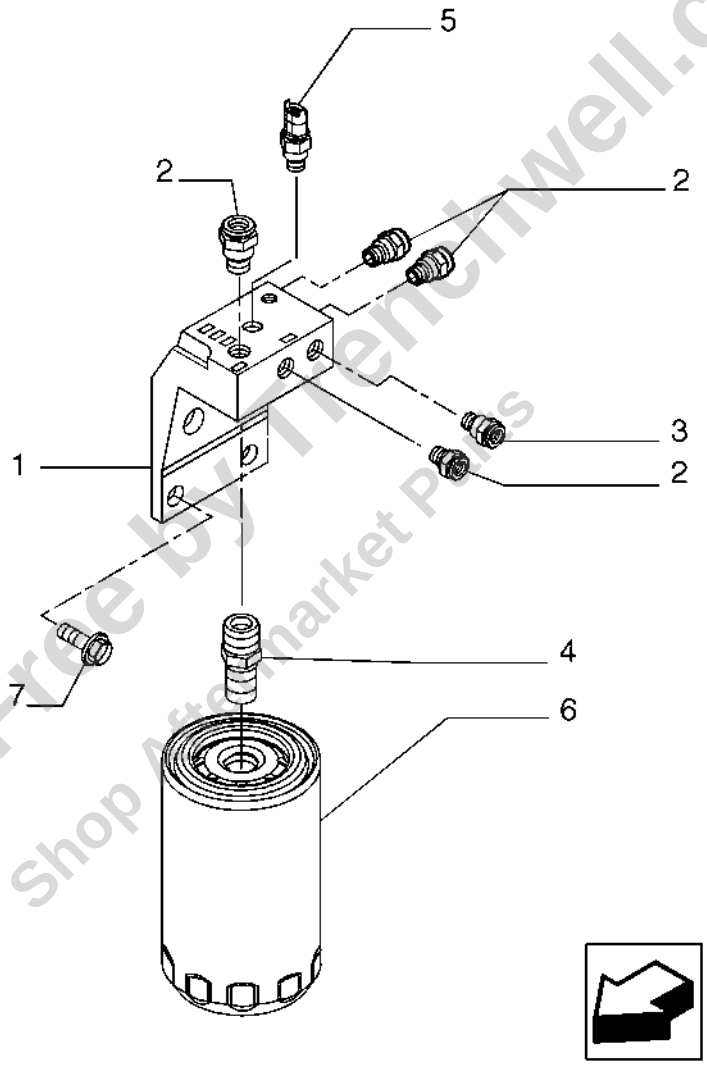
FUEL FILTER (580SN, 580SN WT, 590SN)





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FUEL FILTER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2855792		1	FILTER HEAD, Incl. 2 - 5
2		2854563		4	FITTING
3		2854564		1	FITTING
4		4898877		1	FITTING
5		4897224		1	SENSOR, Temperature
6		87803200		1	FUEL FILTER
7		2854566		2	SCREW, M12 x 30

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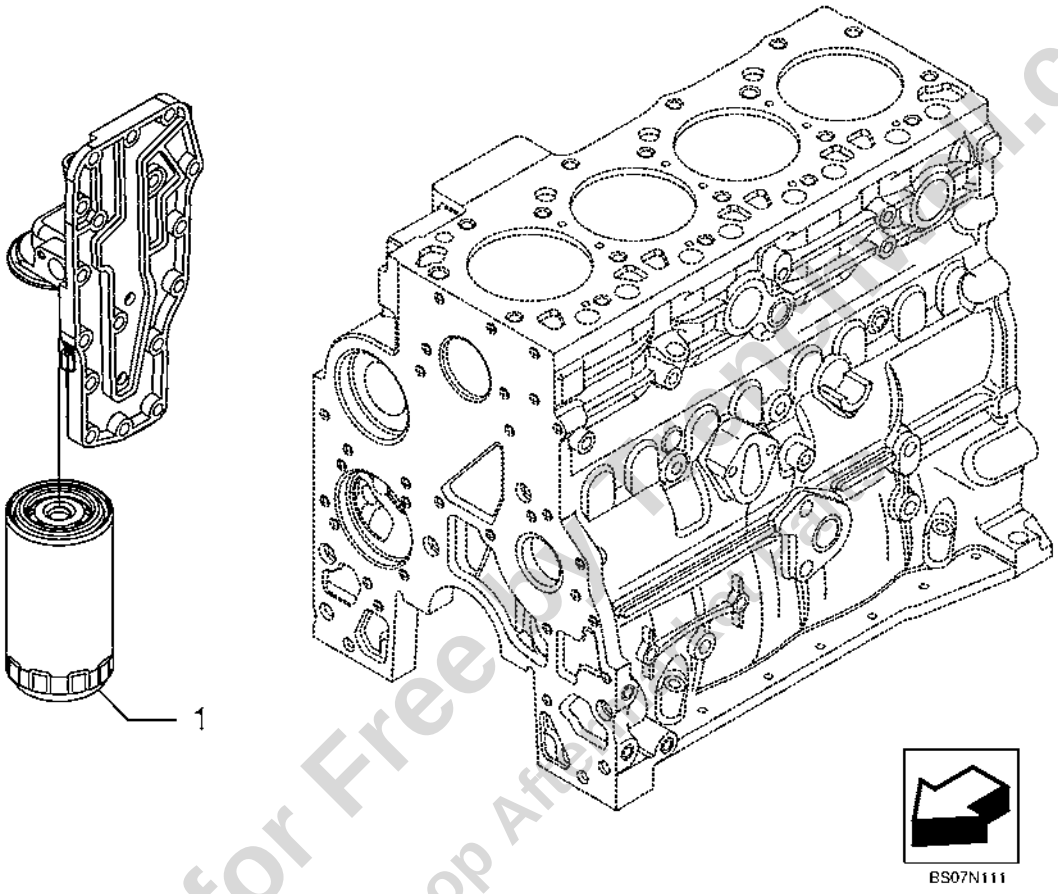
OIL FILTERS - ENGINE (580N)



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OIL FILTERS - ENGINE (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87803261		1	ENGINE OIL FILTER, 2/4V

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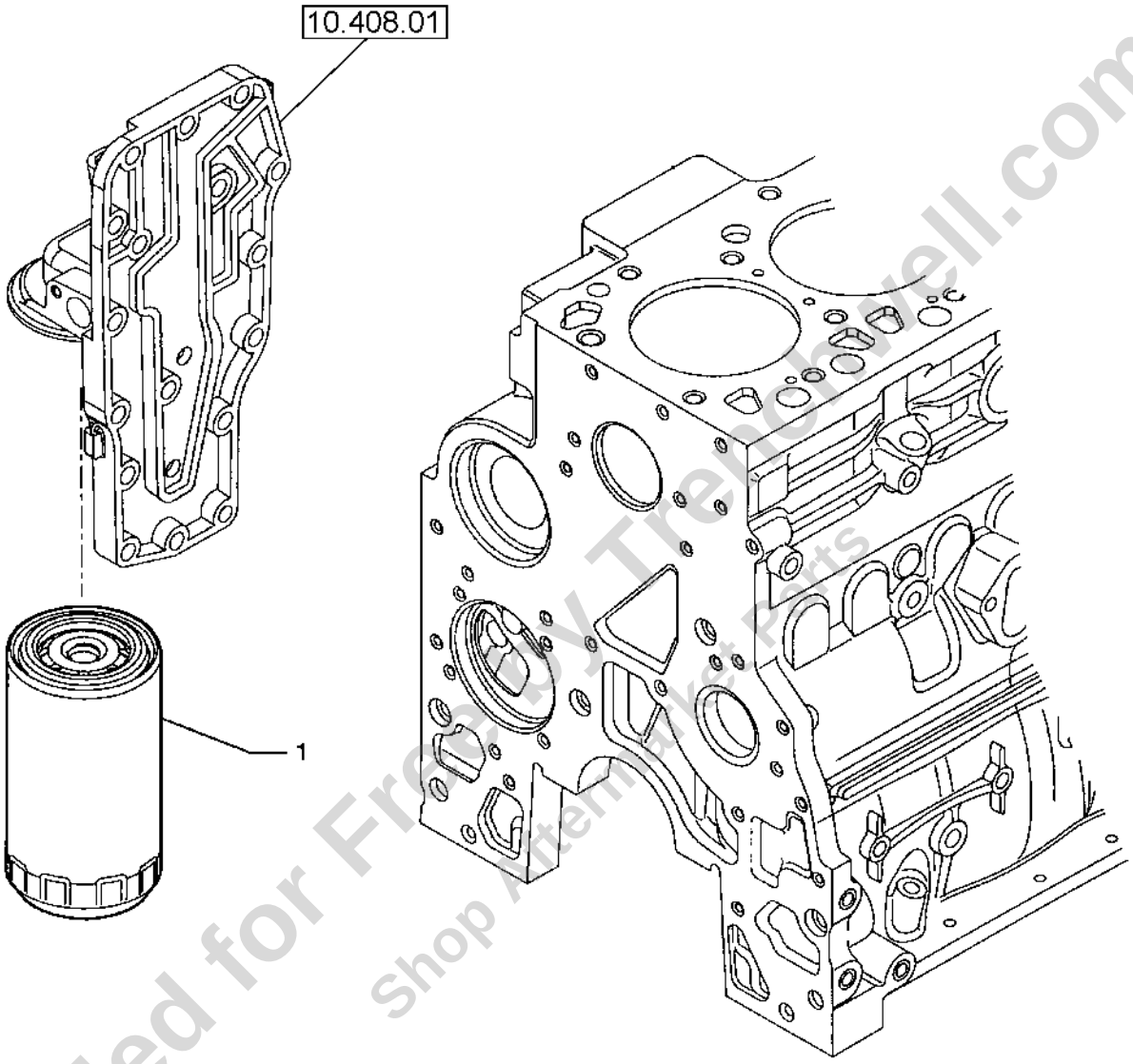
OIL FILTERS - ENGINE (580SN, 580SN WT, 590SN)



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OIL FILTERS - ENGINE (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87803261		1	ENGINE OIL FILTER

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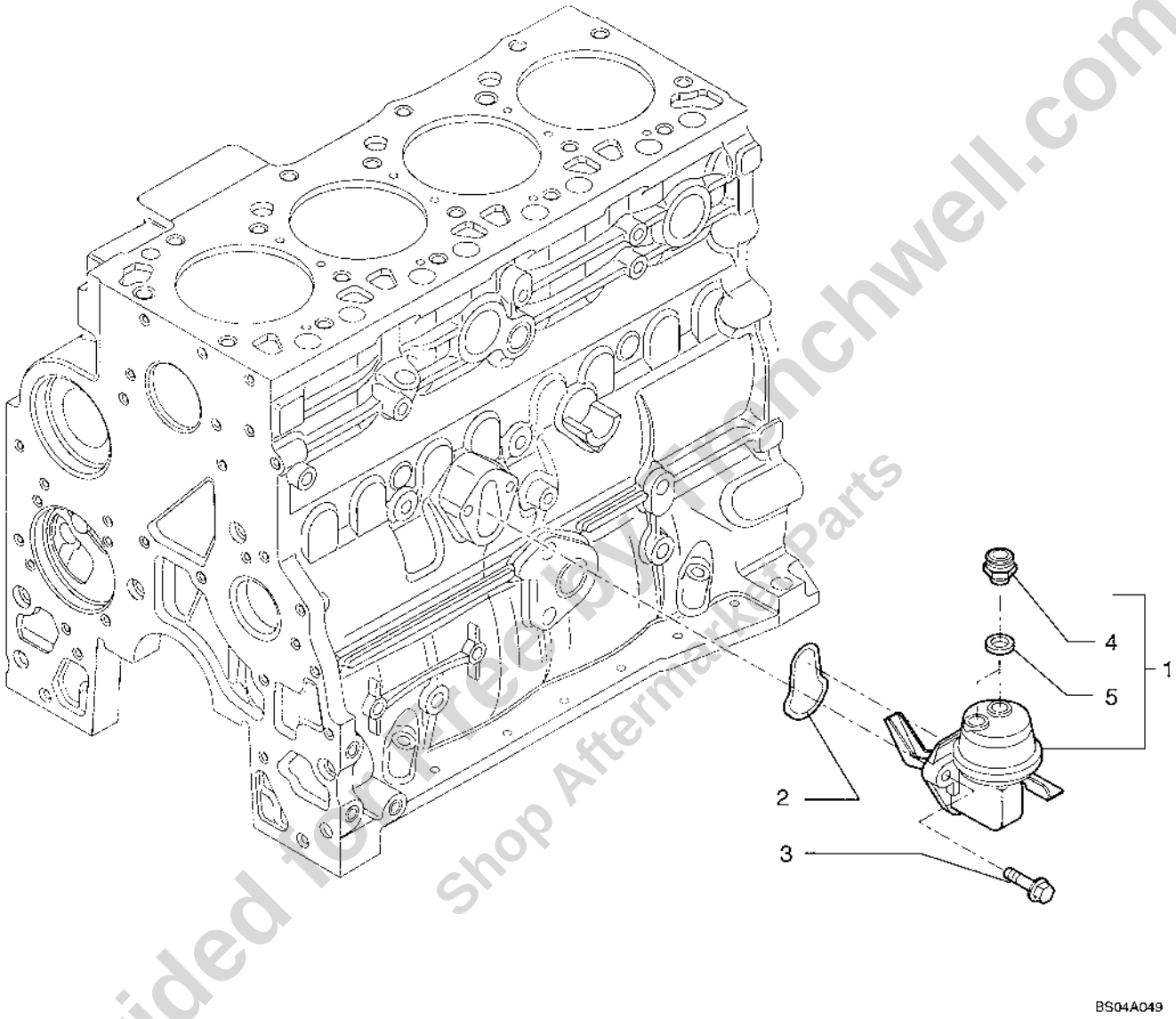
FUEL PUMP (580N)



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FUEL PUMP (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2830266		1	FUEL PUMP, Transfer, Inc Ref 4, 5
		2830266C		AR	FUEL PUMP, Return Number, FUEL INJECTION PUMP - for N.A. Only
2		2830156		1	O-RING, 70 Duro, M2.62 Thk
3		4899031		2	SCREW, Hex Flg, M8 x 1.25 x 25
4		4890964		2	FITTING, M12 x 1.5
5		4894721		2	SEALING WASHER, M12.2 x 17 x 1.5 Thk

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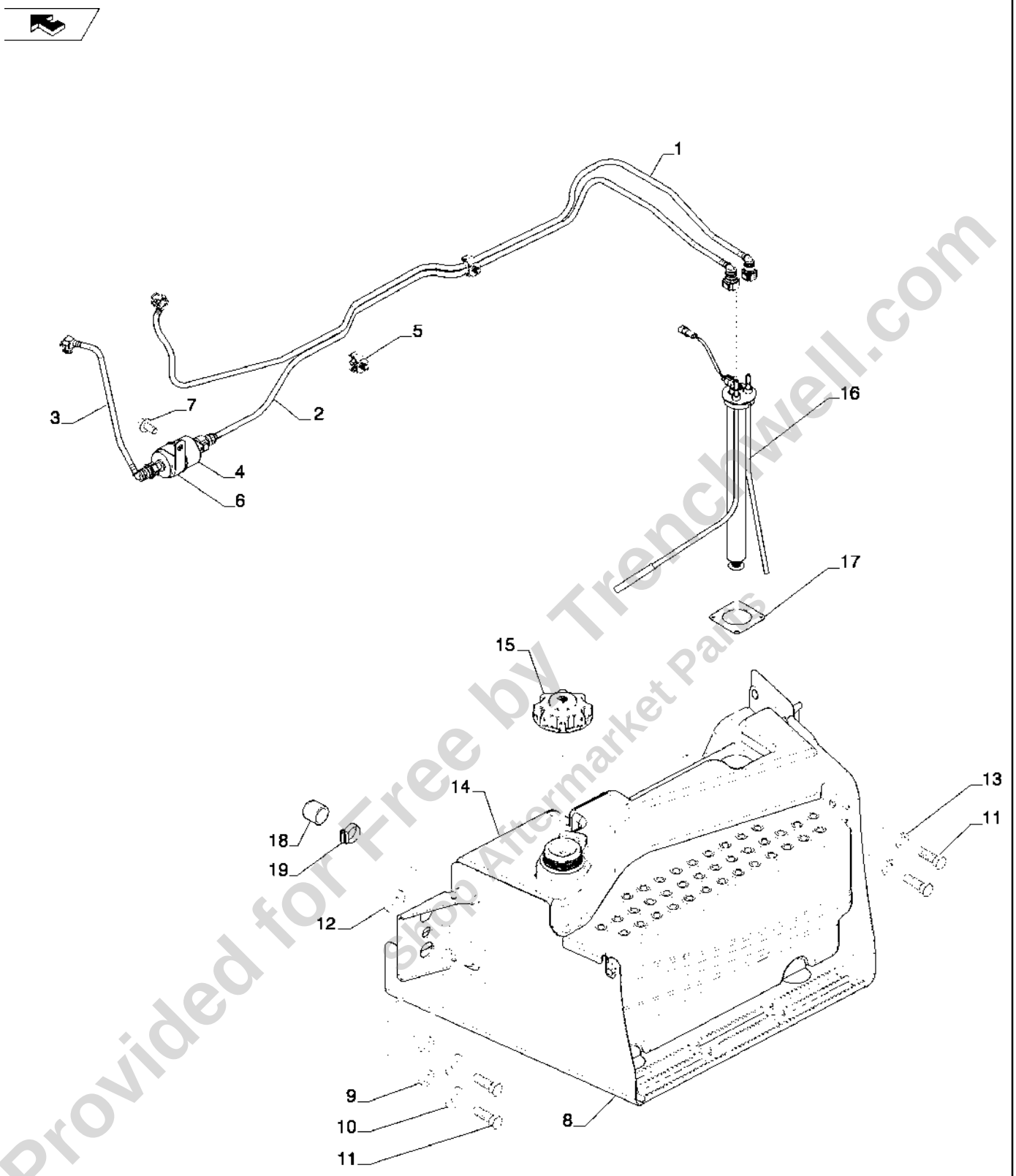
FUEL LINES, RESERVOIR (580N)



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FUEL LINES, RESERVOIR (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84293551		1	LINE
1		4894095		1	O-RING, 8mm ID x 2.5mm, O-Ring for Engine Fitting (Not Illustrated)
2		84332937		1	LINE
3		84332938		1	LINE
3		4894095		1	O-RING, 8mm ID x 2.5mm, O-Ring for Engine Fitting (Not Illustrated)
4		87548612		1	FUEL FILTER
5		84298475		2	HOSE CLAMP
6		515-23444		1	CLAMP, 1 3/4", Insul, 3/8" Bolt
7		844-10020		1	BOLT, Hex Flg, M10 x 20, 8.8
8		84371937		1	PLATE
9		185926A1		2	SPACER
10		302358A1		2	WASHER
11		627-20060		4	BOLT, Hex, M20 x 60, 10.9
12		87360280		1	SPACER
13		NS		2	NOT SERVICED, Boron Washer
14		84372873		1	FUEL TANK
15		84293447		1	CAP
16		84287552		1	SENSOR
17		87586744		1	PLATE
18		83998666		1	CAP
19		82012726		1	HOSE CLAMP

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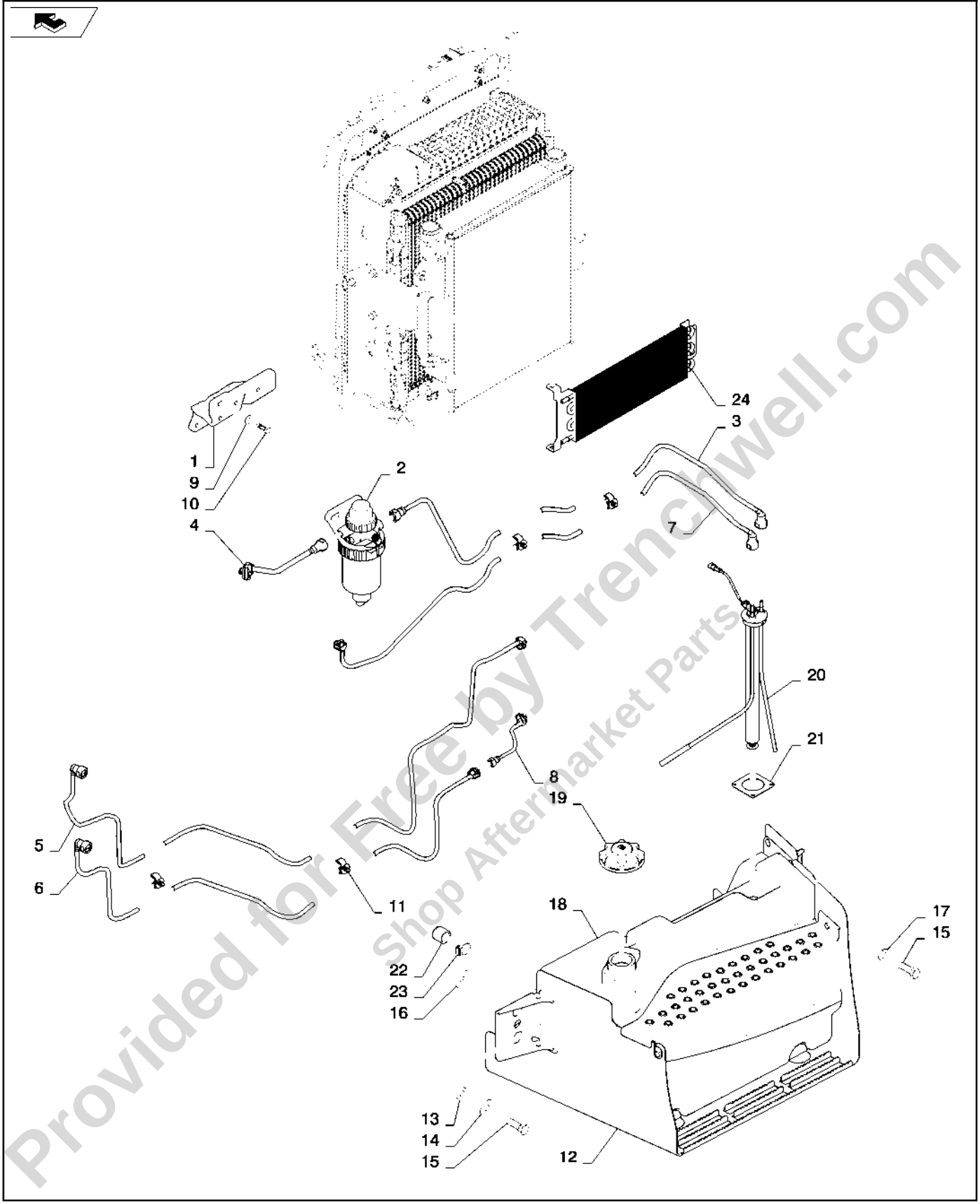
FUEL LINES, RESERVOIR (580SN, 580SN WT, 590SN)



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FUEL LINES, RESERVOIR (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87666514		1	BRACKET
2		84296193		1	FUEL FILTER
2		87803445		1	FUEL FILTER, Element
2		87612475		1	KIT, Water In Fuel (WIF) Sensor
3		84293553		1	LINE
4		84332638		1	LINE
5		84293556		1	LINE
5		4894095		1	O-RING, 8mm ID x 2.5mm, O-Ring for Engine Fitting (Not Illustrated)
6		84293558		1	LINE
6		4894095		1	O-RING, 8mm ID x 2.5mm, O-Ring for Engine Fitting (Not Illustrated)
7		84293559		1	LINE
7		4894095		1	O-RING, 8mm ID x 2.5mm, O-Ring for Engine Fitting (Not Illustrated)
8		84293561		1	LINE
8		4894095		1	O-RING, 8mm ID x 2.5mm, O-Ring for Engine Fitting (Not Illustrated)
9		895-15008		5	WASHER, M8 x 20 x 1.6
10		614-8025		5	BOLT, Hex, M8 x 25, 8.8
11		84298475		5	HOSE CLAMP
12		84371937		1	PLATE, Wrapper
13		185926A1		2	SPACER
14		302358A1		2	WASHER
15		627-20060		4	BOLT, Hex, M20 x 60, 10.9
16		87360280		1	SPACER
17		NS		2	NOT SERVICED, Boron Washer
18		84372873		1	FUEL TANK, 42 gallon, plastic
19		84293447		1	CAP
20		84287552		1	SENSOR, Fuel Gauge Sender
21		87586744		1	PLATE
22		83998666		1	CAP
23		82012726		1	HOSE CLAMP
24		84298489		1	COOLER ASSY., Fuel

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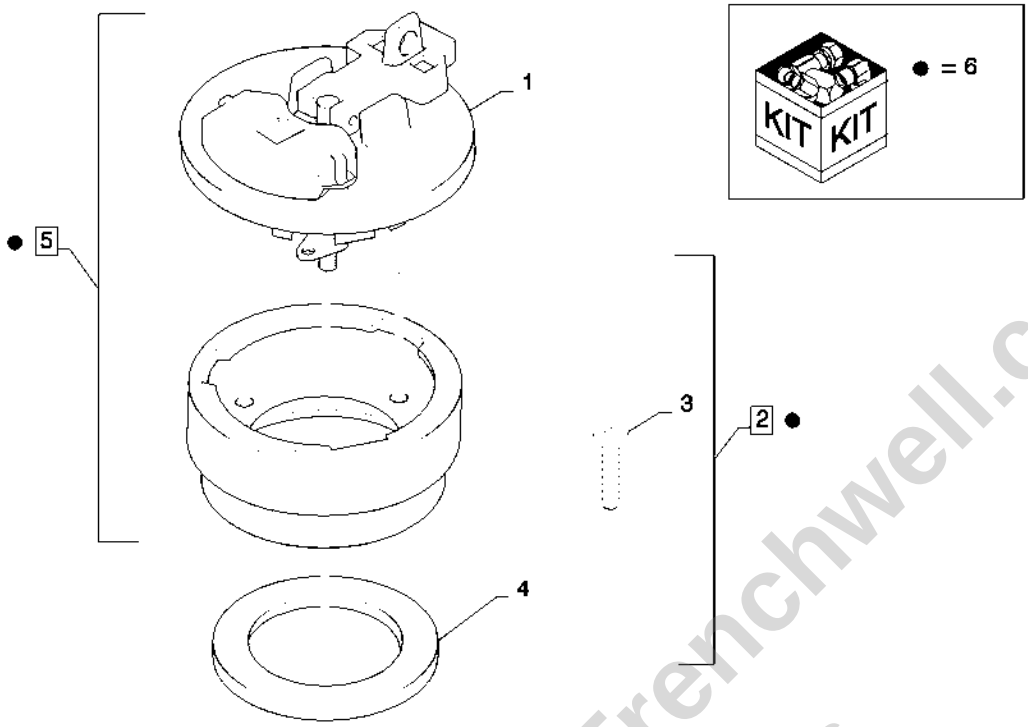
LOCKABLE FUEL CAP



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LOCKABLE FUEL CAP

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84548562		1	LOCKABLE FUEL CAP, FUEL CAP
2		84548563		1	ADAPTER, ADAPTER; Mounting Ring; Incl. Ref 3, 4
3		{}		3	SELF-TAPPING SCREW; Order 84548563
4		{}		1	GASKET; Order 84548563
5		{}		1	LOCKABLE FUEL CAP; Incl. Ref 1, 2; Order 84536770
6		84536770		1	KIT, KIT; Lockable Vented Aluminum Fuel Cap; Incl. Ref 5

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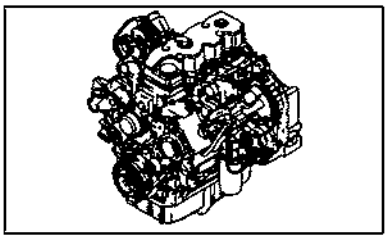
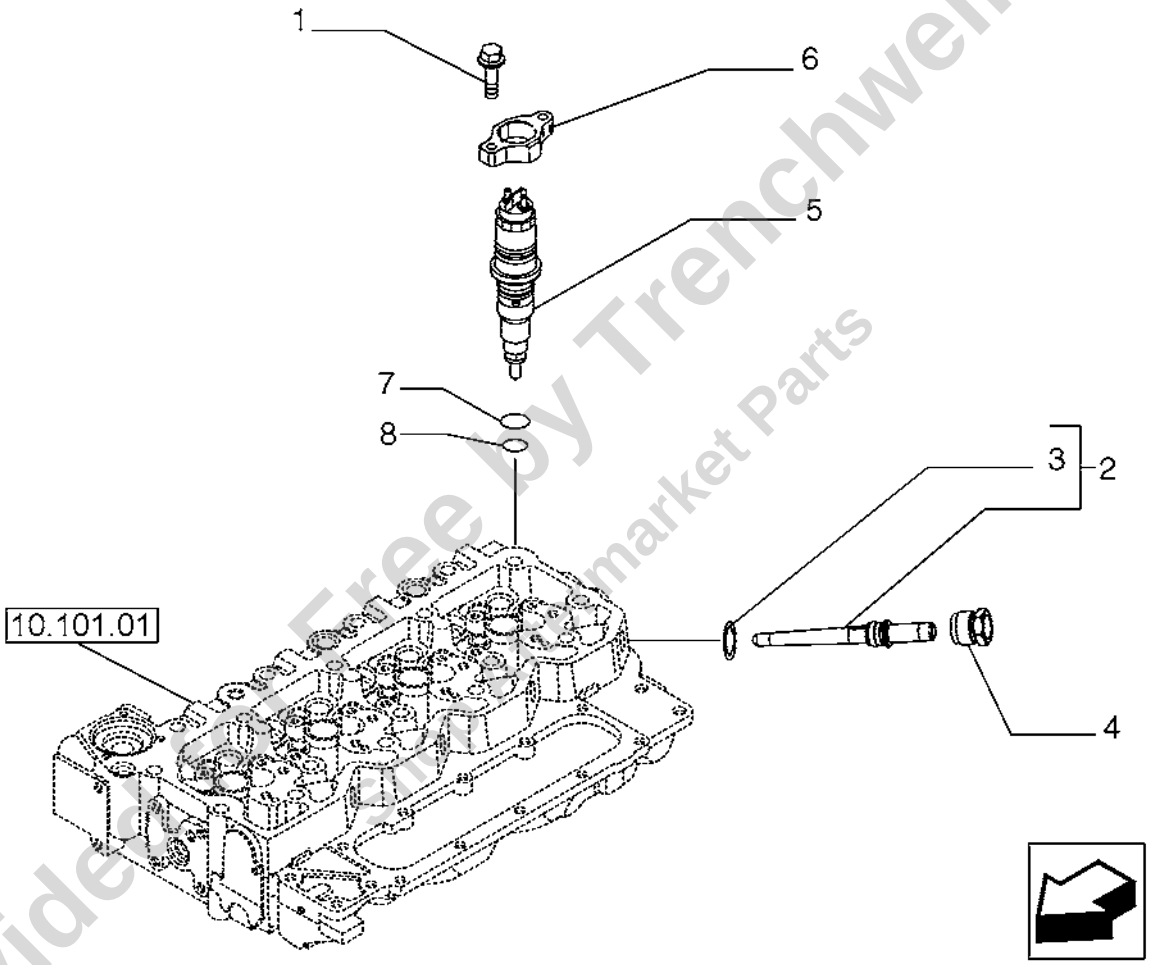
INJECTION EQUIPMENT - INJECTOR (580SN, 580SN WT, 590SN)





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INJECTION EQUIPMENT - INJECTOR (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4895483		8	SCREW, M6 x 25
2		2854606		4	FITTING, Incl. 3
3		4890929		1	O-RING, 11mm ID x 3mm Width
4		4893739		4	TUBE NUT
5		2855491		4	FUEL SYSTEM INJECTOR, Inc 6 - 8
5		2855491R		AR	REMAN-INJECTION NOZZLE
5		2855491C		AR	CORE-INJECTION NOZZLE, Return Number, N.A. Only
6		2854609		4	BRACKET
7		4899689		4	SEALING WASHER
8		4890926		4	O-RING, 20.9mm ID x 3mm Width

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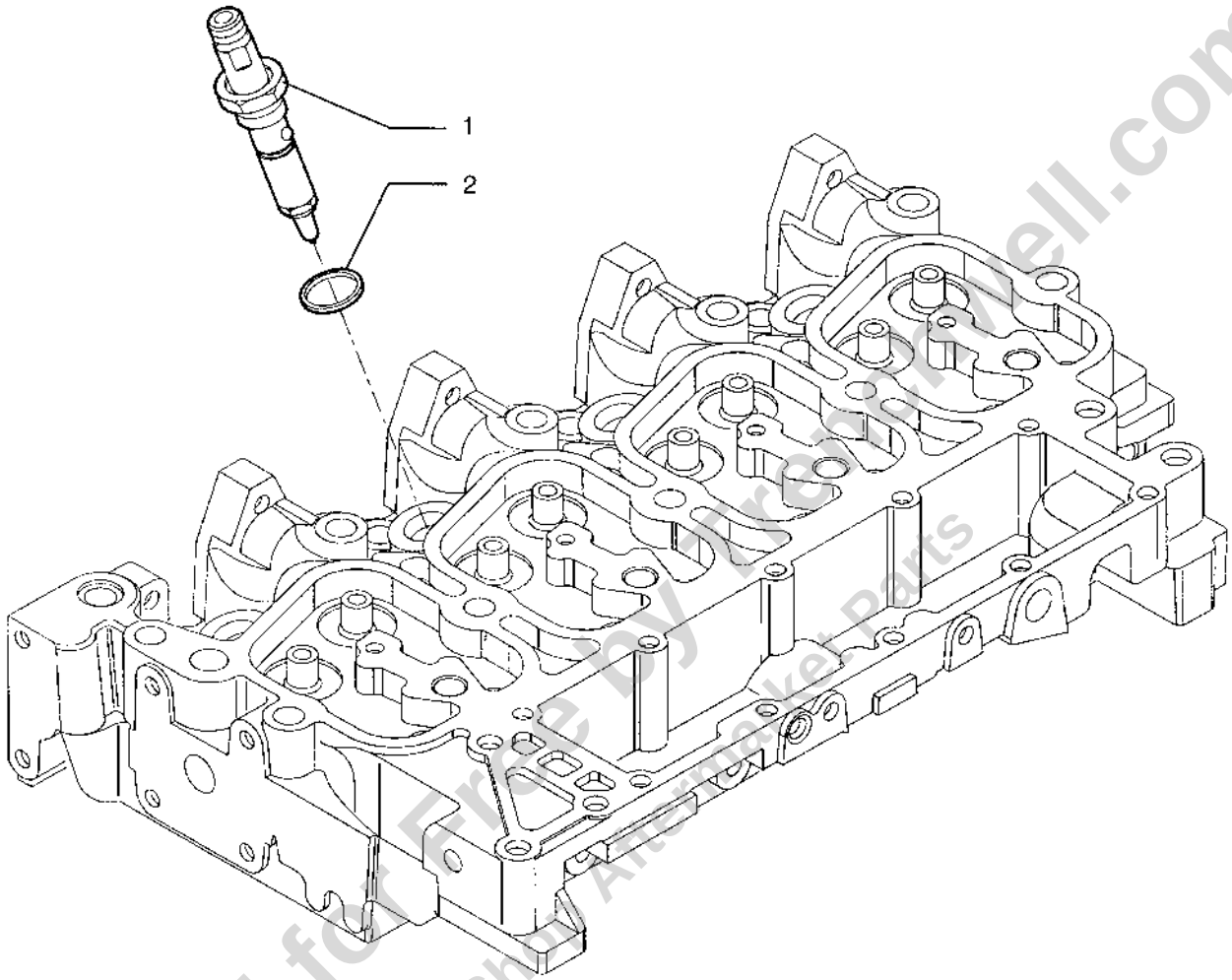
FUEL INJECTION SYSTEM - INJECTOR (580N)



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FUEL INJECTION SYSTEM - INJECTOR (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2856255		4	FUEL SYSTEM INJECTOR, Fuel Injector Assembly
1		2856255R		AR	REMAN-INJECTION NOZZLE, Injector Nozzle; For N.A. only
1		2856255C		AR	CORE-INJECTION NOZZLE, Return number - For N.A. only
		2856436		1	COPPER WASHER, Washer (Part of 2856255), Not Shown
2		4895297		4	SEAL, Rectangular, 15.6mm ID x 1.68 Thk

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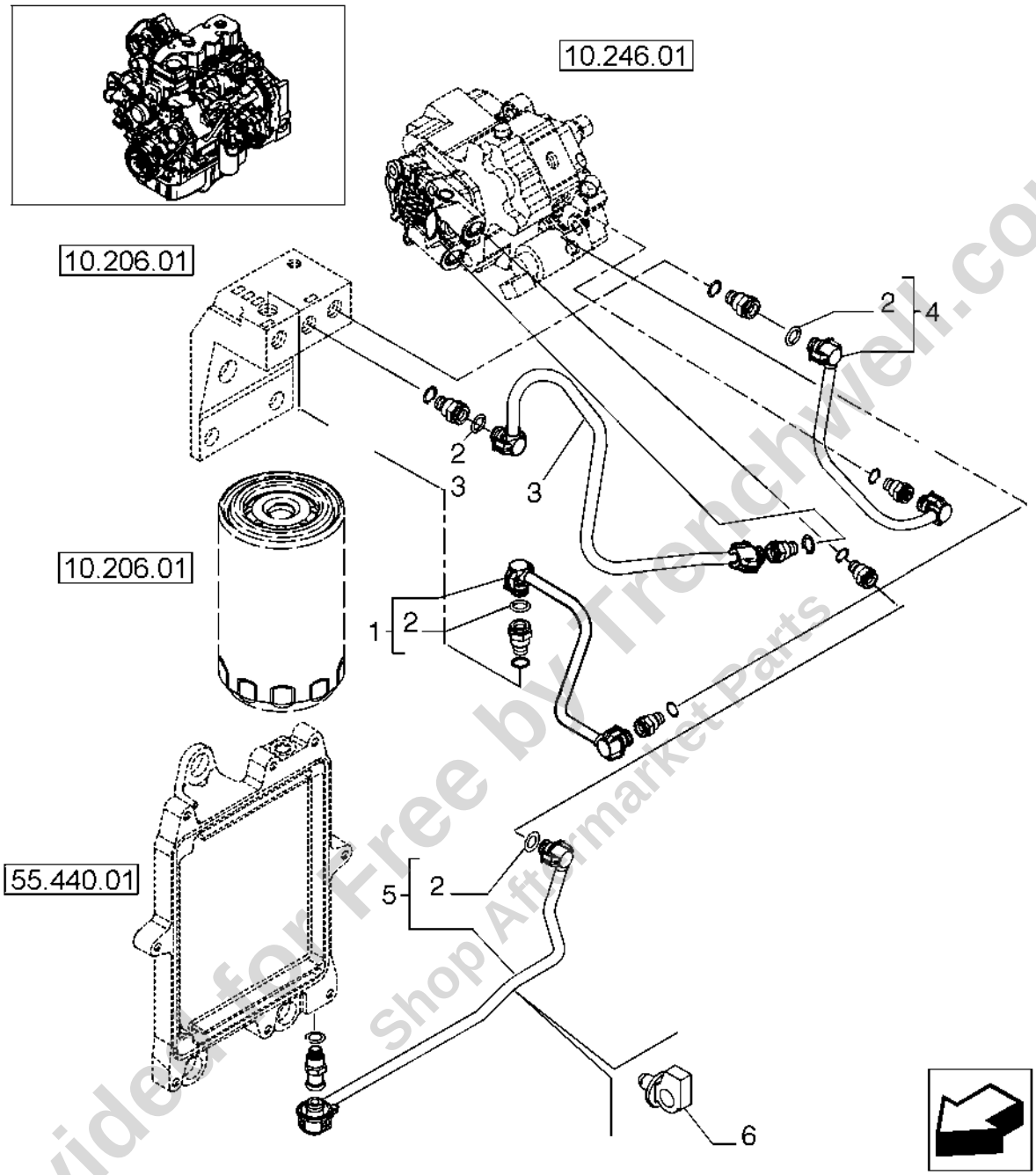
PIPING - FUEL (580SN, 580SN WT, 590SN)



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PIPING - FUEL (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2855427		1	INJECTION PIPE, Incl. 2
2		4894095		1	O-RING, 8mm ID x 2.5mm
3		2855428		1	INJECTION PIPE, Incl. 2
4		2855430		1	INJECTION PIPE, Incl. 2
5		2855795		1	INJECTION PIPE, Incl. 2
6		4896996		1	CLAMP

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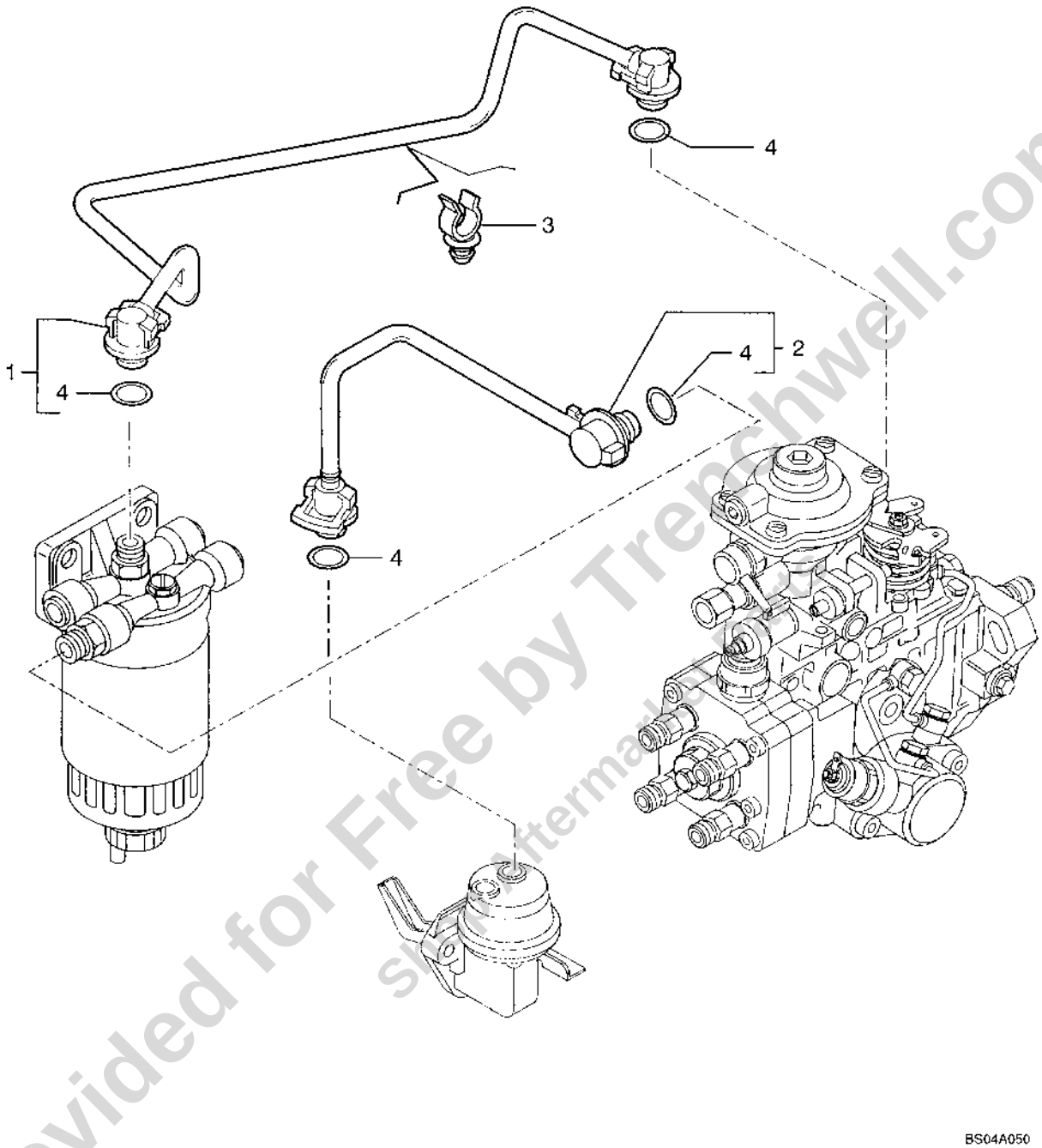
PIPING - FUEL (580N)



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PIPING - FUEL (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2852105		1	TUBE, Incl. Ref 4
2		2852594		1	TUBE, Incl. Ref 4
3		2852111		1	CLIP
4		4894095		2	O-RING, 8mm ID x 2.5mm

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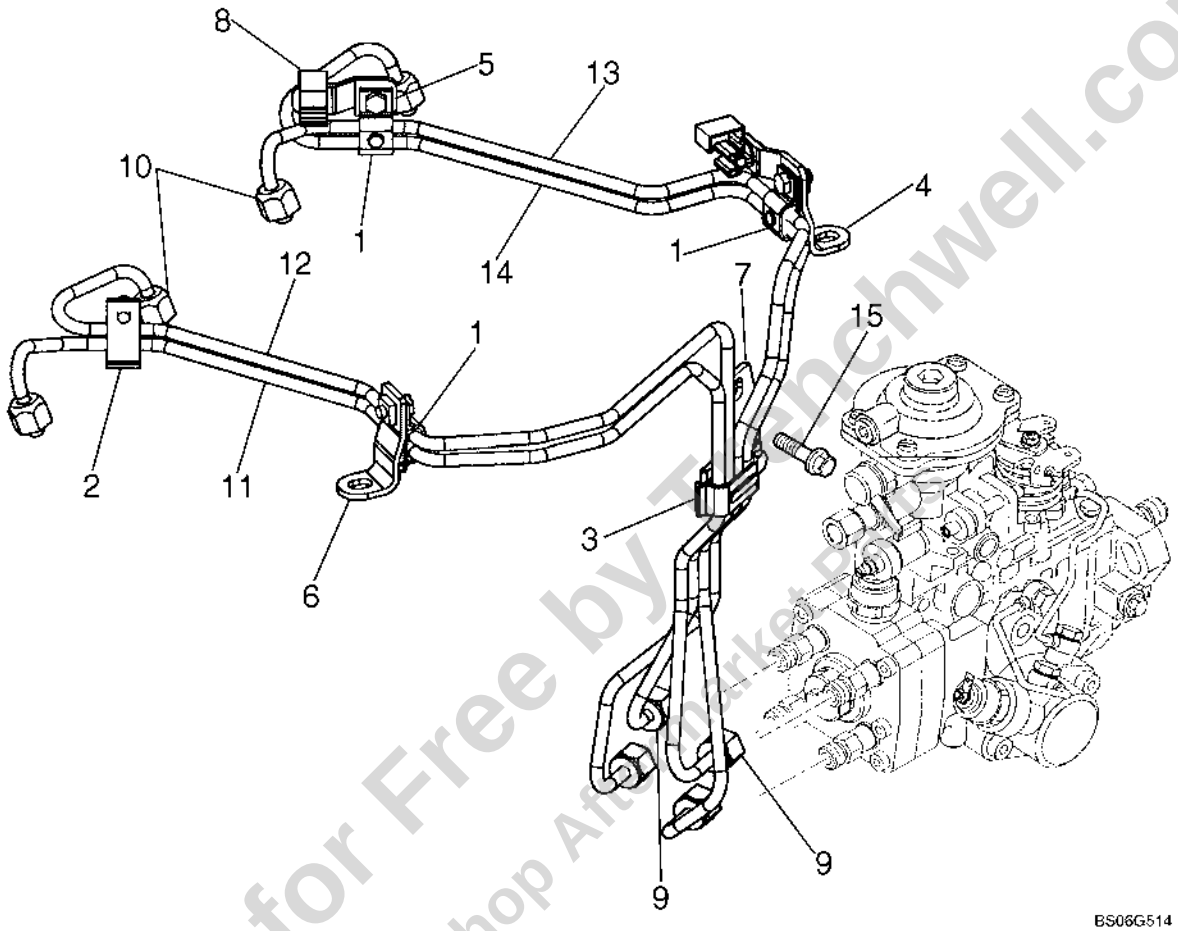
INJECTION EQUIPMENT - PIPING (580N)



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INJECTION EQUIPMENT - PIPING (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		2852075		1	PIPE SET, Fuel Injection Tube; Incl. Ref 2 - 15
1		2852871		3	BRACKET, Fuel Injection Pipe
2		2852872		1	BRACKET, Fuel Injection Pipe
3		2852873		1	BRACKET, Fuel Injection Pipe
4		2852874		1	BRACKET, Fuel Injection Pipe
5		2852875		1	BRACKET, Fuel Injection Pipe
6		2852876		1	BRACKET, Fuel Injection Pipe
7		2852877		1	BRACKET, Fuel Injection Pipe
8		2852878		2	CLAMP BRACKET
9		2852879		4	NUT
10		2852880		4	NUT
11		2852881		1	INJECTION PIPE, Cylinder #1
12		2852882		1	INJECTION PIPE, Cylinder #2
13		2852883		1	INJECTION PIPE, Cylinder #3
14		2852884		1	INJECTION PIPE, Cylinder #4
15		4896884		1	SCREW, Hex Flg, M8 x 1.25 x 16

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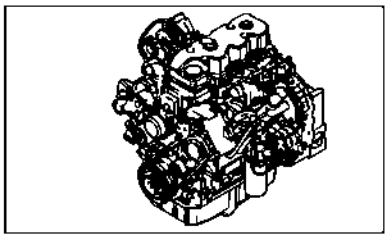
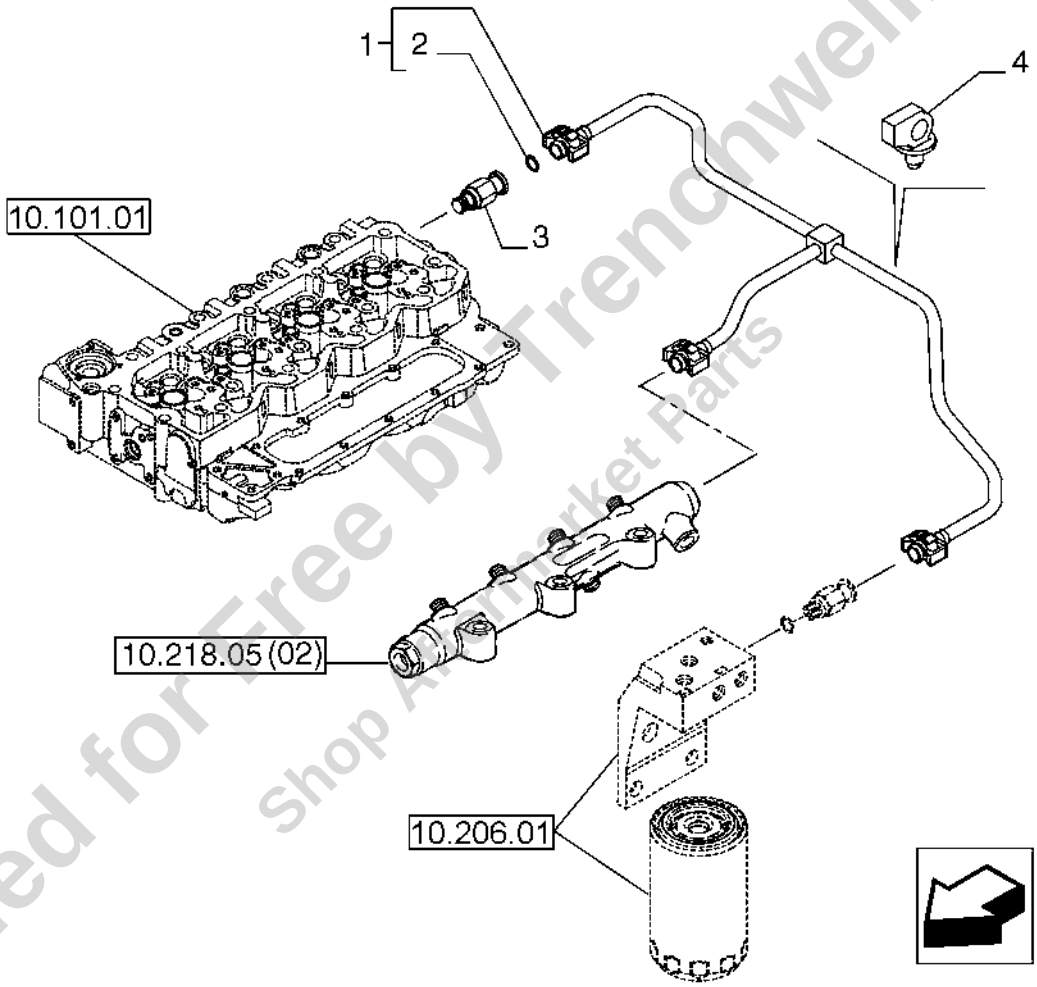
INJECTION EQUIPMENT - PIPING (580SN, 580SN WT, 590SN)





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INJECTION EQUIPMENT - PIPING (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2855336		1	RETURN PIPE, Incl. 2
2		4894095		3	O-RING, 8mm ID x 2.5mm
3		4896329		1	PRESSURE RELIEF VALVE
4		4896996		1	CLAMP

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590SN 580SN WT
580SN

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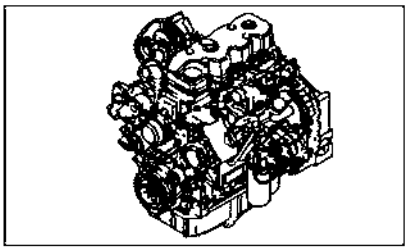
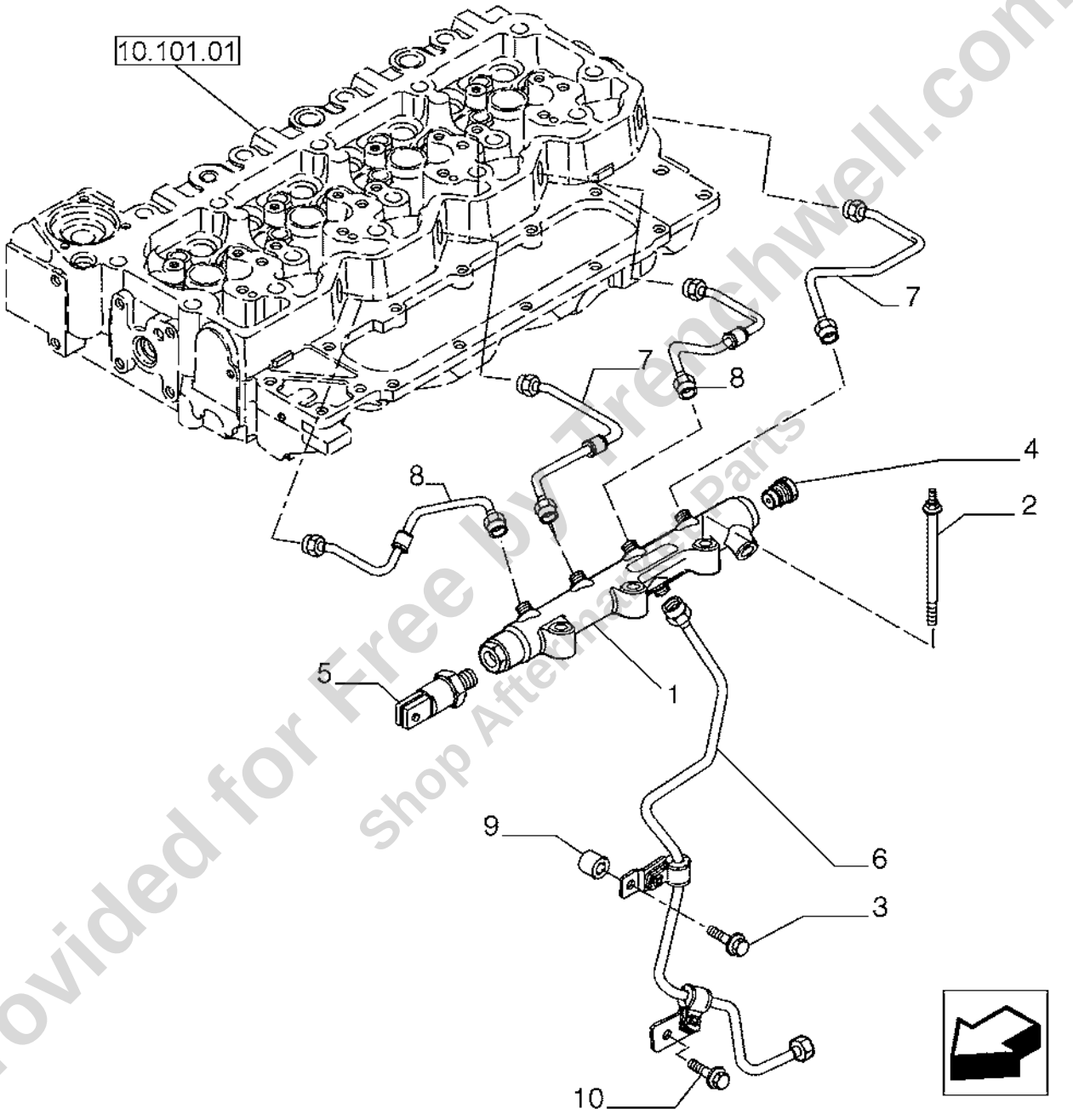
INJECTION EQUIPMENT - PIPING (580SN, 580SN WT, 590SN)





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INJECTION EQUIPMENT - PIPING (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2855503		1	MANIFOLD, Incl. 4, 5
2		2853537		3	BOLT
3		4899020		1	FLANGE BOLT, Hex, M8 x 1.25 x 20, M8 x 16
4		2854543		1	PRESSURE RELIEF VALVE
5		2854542		1	SENSOR
6		2855819		1	INJECTION PIPE
7		2854544		2	INJECTION PIPE, Cylinders 1 & 3
8		2855818		2	INJECTION PIPE, Cylinders 2 & 4
9		2852434		1	SPACER
10		4896884		1	SCREW, Hex Flg, M8 x 1.25 x 16

590SN 580SN WT
580SN

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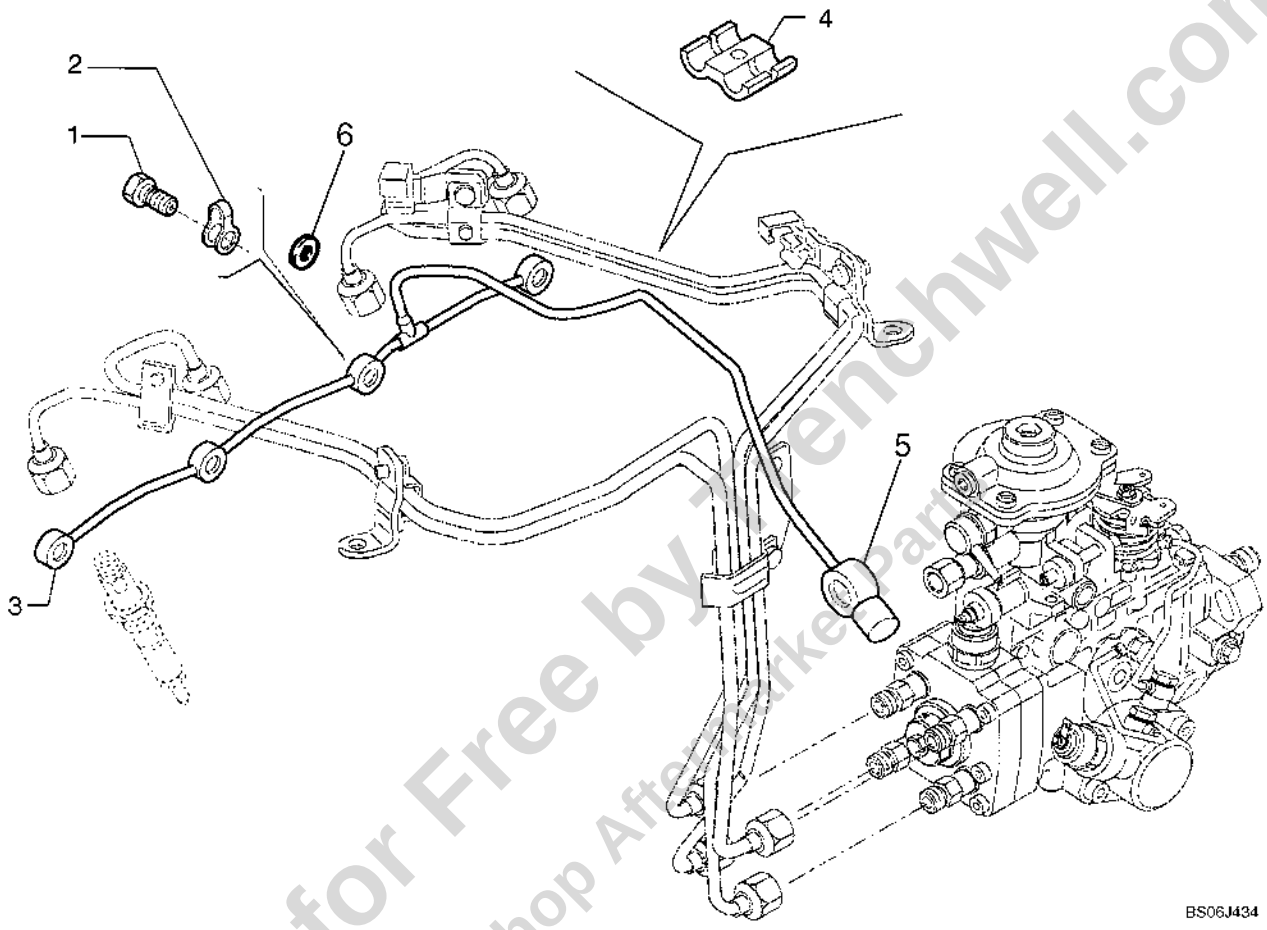
FUEL INJECTION SYSTEM (580N)



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FUEL INJECTION SYSTEM (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4895244		4	BANJO BOLT
2		4895305		4	SEAL, If Used
3		2852065		1	TUBE, 264, 110 mm Length
4		2852521		1	CLIP
5		NSS		1	NOT SERVICED SEPARATELY, Banjo Connector Assy; Order 2852065 Tube, Ref 3
6		2855903		8	SEALING WASHER, If Used

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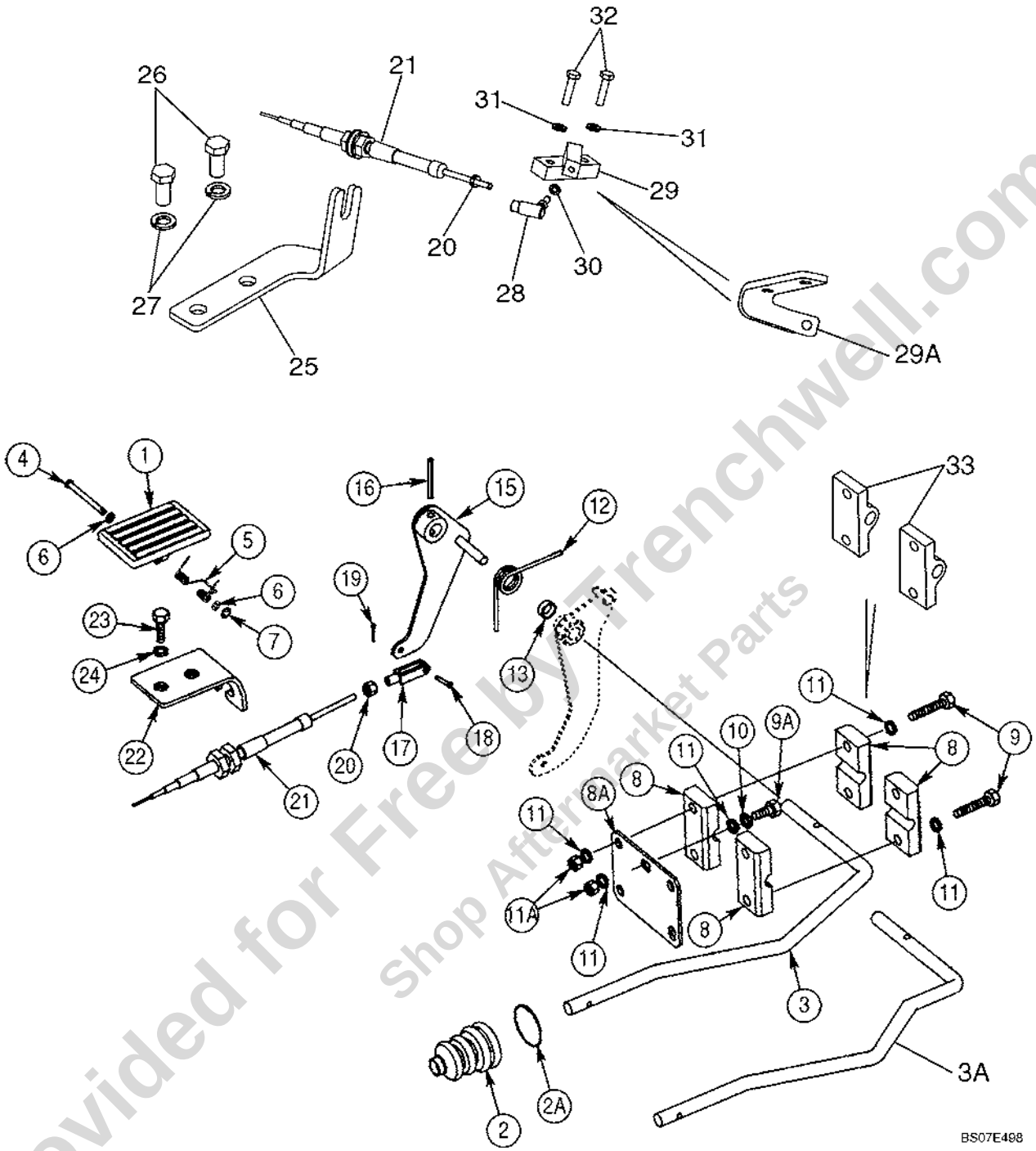
CONTROLS - THROTTLE, FOOT



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CONTROLS - THROTTLE, FOOT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		282242A1		1	PEDAL, Accelerator, Plastic
2		132931A1		1	BOOT, Accelerator Pedal Rod
2A		189109A1		1	SPRING, Retainer
3		378960A1		1	ROD, No Longer Used, For Service Order 87593642, Ref 3A
3A		87593642		1	ROD
4		322860A1		1	PIN
5		256776A1		1	SPRING
6		895-11005		2	WASHER, M5 x 10 x 1
7		103-1518		1	SNAP RING, #18, Ext
8		D124857		4	CLAMP, Block; If Used
8A		378955A1		1	PLATE
9		604-8050		4	BOLT, Hex, Lock, M8 x 50, Cl 10.9, Used With Ref 8 Blocks
9		87378776		4	BOLT, Special; M8 x 30; Used With Ref 33 Blocks
9A		614-8020		1	BOLT, Hex, M8 x 20, 8.8
10		892-11008		1	LOCK WASHER, M8
11		895-11008		7	WASHER, M8 x 16 x 1.6
11A		829-1408		2	NUT, M8, Cl 10
12		380483A2		1	SPRING
13		378958A1		1	SPACER, RING
15		378956A3		1	LEVER ASSY., Models Without Powershift Transmission
15A		380484A3		1	LEVER ASSY., Models With Powershift Transmission, Not Illustrated
16		838-3640		1	PIN, M6 x 40, Coiled
17		213-123		1	ADJUSTABLE CLEVIS, #10-32 x 1 9/16"
18		427-3058		1	CLEVIS PIN, 3/16" x .580"
19		432-48		1	COTTER PIN, 1/16" x 1/2"
20		225-14210		2-3	NUT, #10-32
21		87340754		1	CABLE, To Injection Pump; Replaces 380021A1; 87330325
22		397065A2		1	BRACKET, Models Without Powershift Transmission
22A		397158A2		1	BRACKET, Models With Powershift Transmission, Not Illustrated

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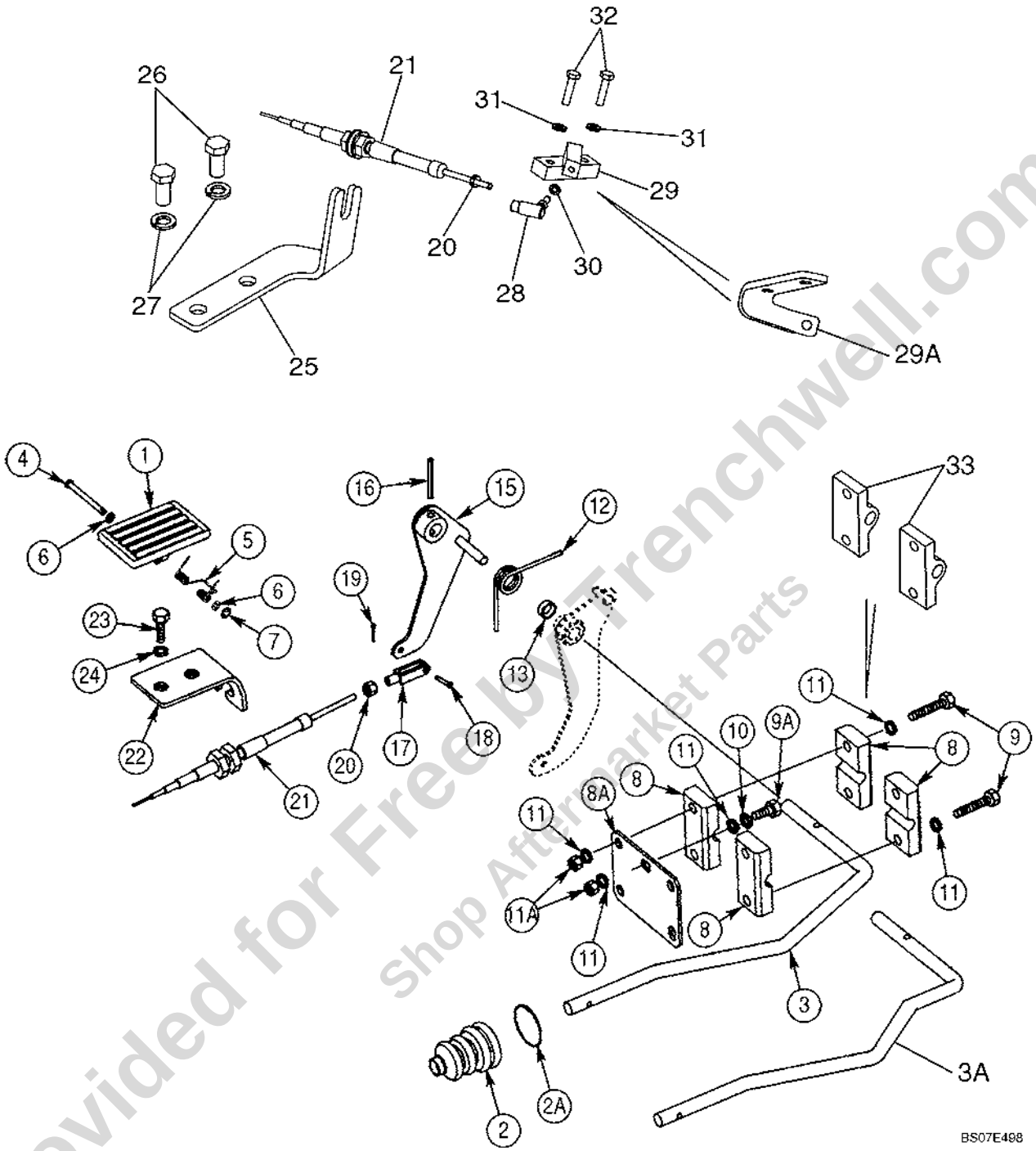
CONTROLS - THROTTLE, FOOT



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CONTROLS - THROTTLE, FOOT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
23		614-10035		2	BOLT, Hex, M10 x 35, 8.8, Full Thd
24		892-11010		2	LOCK WASHER, M10
25		87432547		1	BRACKET, With Holes; If Used
25		87446095		1	BRACKET, With Slots; Not Illustrated; If Used
26		627-12025		2	BOLT, Hex, M12 x 1.75 x 25, 10.9, Full Thd
27		896-15012		2	WASHER, M12 x 28.5 x 4, HT
28		87421807		1	JOINT ASSY.
29		87421471		1	BLOCK ASSY., No Longer Available, Order 87452823 Bracket, Ref 29A
29A		87452823		1	BLOCK ASSY., BRACKET, Throttle Cable
30		892-11005		1	LOCK WASHER, M5
31		892-11006		2	LOCK WASHER, M6
32		614-6025		2	BOLT, Hex, M6 x 25, 8.8, Full Thd, Used with 87421471 Block, Ref 29; If used
32		614-6016		2	BOLT, Hex, M6 x 16, 8.8, Used with 87452823 Bracket, Ref 29A; If Used
33		87345006		2	BLOCK, Throttle Pivot; If Used

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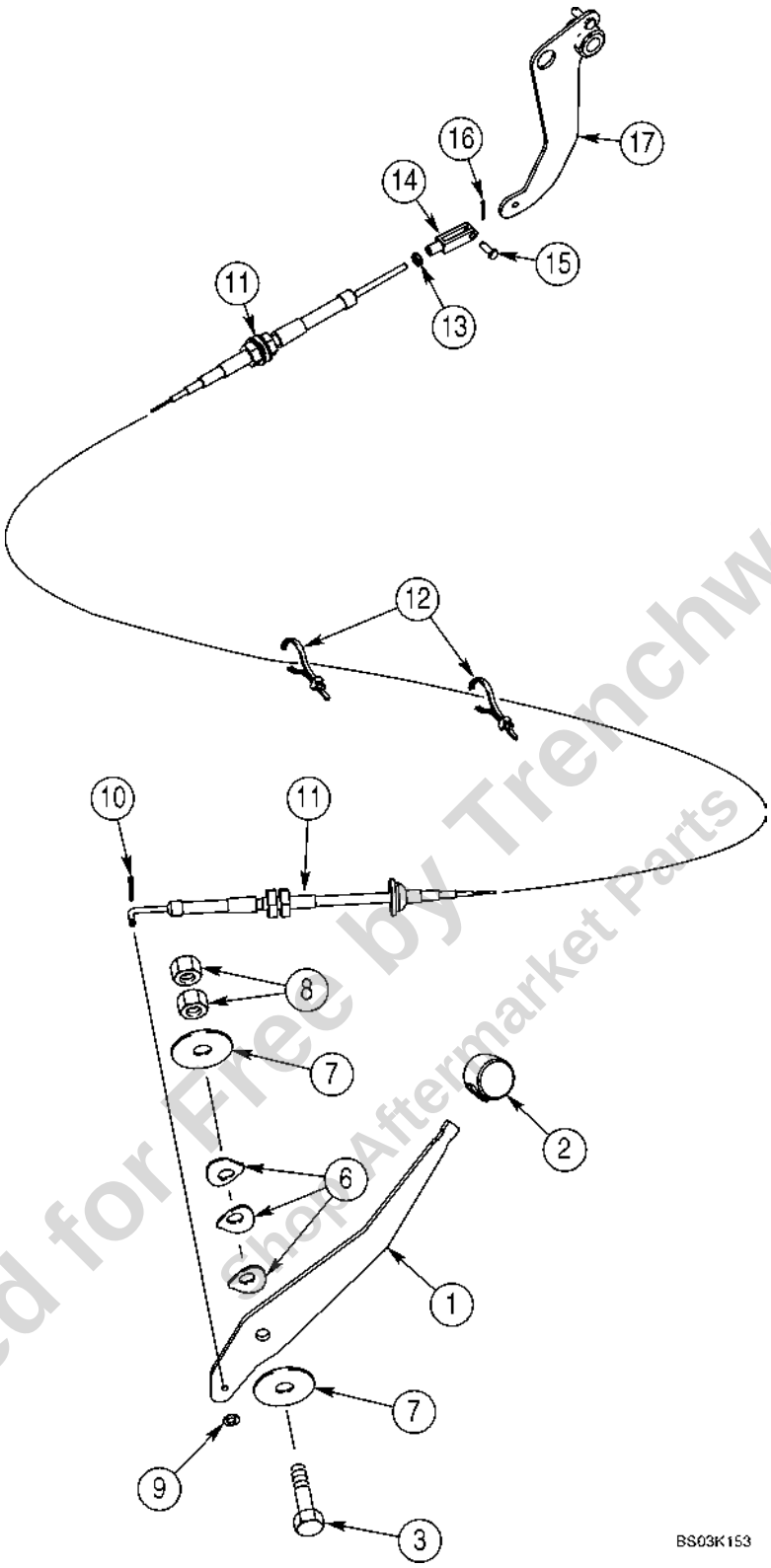
CONTROLS - THROTTLE, HAND



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CONTROLS - THROTTLE, HAND

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		395189A2		1	LEVER
2		A177435		1	BALL KNOB, Lever
3		514-847		1	BOLT, Hex, M12 x 1.25 x 50, 8.8
6		D148962		3	WASHER
7		496-81018		2	WASHER, 33/64 x 2 x 1/8
8		825-11412		2	NUT, M12 x 1.25, Cl 8
9		495-31022		1	WASHER, #10
10		432-48		1	COTTER PIN, 1/16" x 1/2"
11		87340753		1	CABLE, Replaces 350014A3; 87330322
12		L18337		4	CABLE STRAP, 9.95"-12.1" lg, Nylon, Retaining
13		225-14210		1	NUT, #10-32
14		213-123		1	ADJUSTABLE CLEVIS, #10-32 x 1 9/16"
15		427-3058		1	CLEVIS PIN, 3/16" x .580"
16		432-48		1	COTTER PIN, 1/16" x 1/2"
17		378957A3		1	LEVER ASSY., Models Without Powershift Transmission
17A		380485A3		1	LEVER ASSY., Models With Powershift Transmission, Not Illustrated

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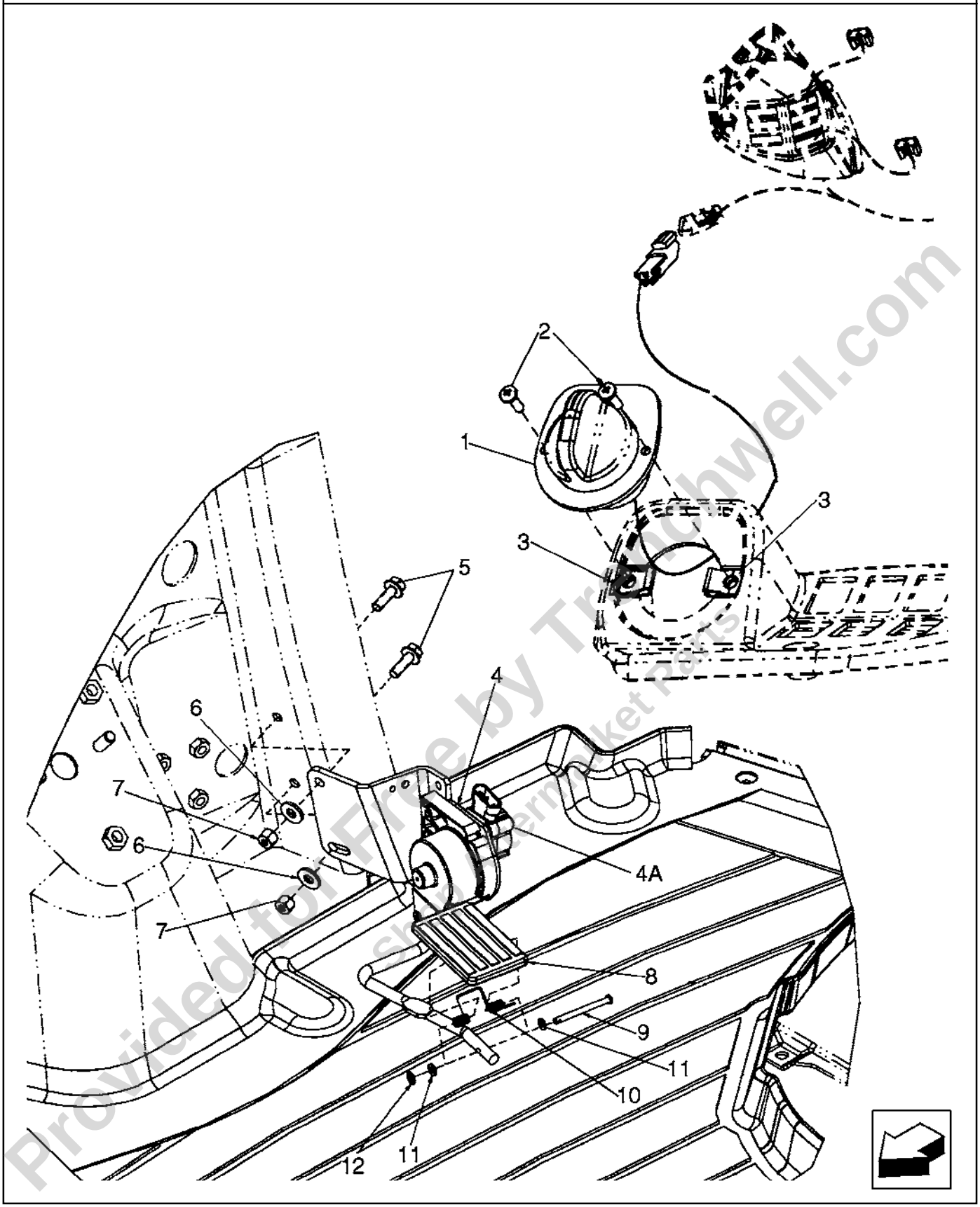
THROTTLE, HAND - THROTTLE, FOOT



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THROTTLE, HAND - THROTTLE, FOOT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87528964		1	THROTTLE CONTROL, Hand
2		87675764		2	SELF-TAP SCREW
3		87565604		2	NUT
4		87555675		1	THROTTLE CONTROL, Electronic Accelerator Pedal. Foot Control; Incl. 4A
4A		87497572		1	SERVICE KIT, Throttle Sensor
5		844-8025		2	BOLT, Hex Flg, M8 x 25, 8.8
6		896-15008		2	WASHER, M8 x 21.5 x 2.5, HT
7		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
8		282242A1		1	PEDAL, Foot Throttle
9		322860A1		1	PIN
10		256776A1		1	SPRING, Foot Throttle Pad
11		895-11005		2	WASHER, M5 x 10 x 1
12		103-1518		1	SNAP RING, #18, Ext

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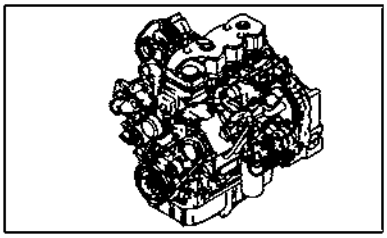
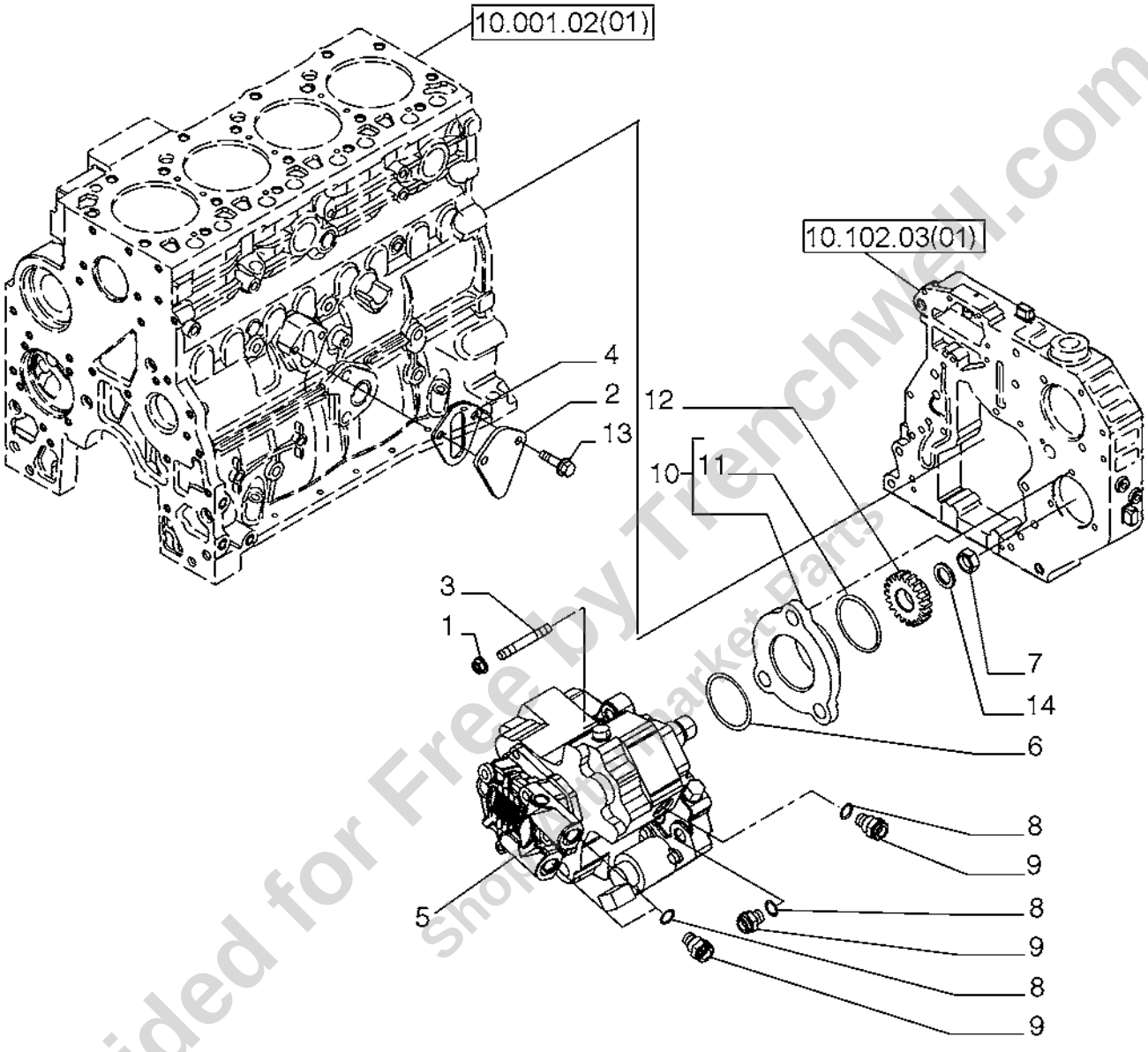
INJECTION PUMP (580SN, 580SN WT, 590SN)





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INJECTION PUMP (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899003		3	FLANGE NUT, M8 x 1.25
2		4896952		1	COVER
3		2852488		1	STUD
4		4890700		1	GASKET
5		4898921		1	FUEL INJECTION PUMP, Incl. 6 - 9, 14 - 23
5		4898921R		1	REMAN-INJECTION PUMP, 580SN, 580SN WT, 590SN, All Use Eng. P/N 87584965 Tier 3, N.A. Only
5		4898921C		1	CORE-INJECTION PUMP, Return Number, For N.A. Only
6		4890088		1	O-RING, 44mm ID x 3mm Width
7		4890634		1	NUT, M18 x 1.5
8		4891385		4	GASKET
9		4893962		4	QUICK MALE COUPLING
10		2852804		1	HUB, Incl. 11
11		2852805		1	O-RING
12		4893389		1	DRIVEN GEAR
13		2852234		2	SCREW, Hex Flg, M8 x 1.25 x 20
14		4890635		1	WASHER
15		42541851		1	SOLENOID, Fuel Shut-off; Incl. 16, 17
16		42541850		1	O-RING
17		42541849		1	O-RING
18		42550486		1	VALVE
19		42547619		1	FUEL PUMP
20		42550487		4	SCREW
21		42550488		1	O-RING
22		42548060		1	O-RING
23		42550932		3	SCREW

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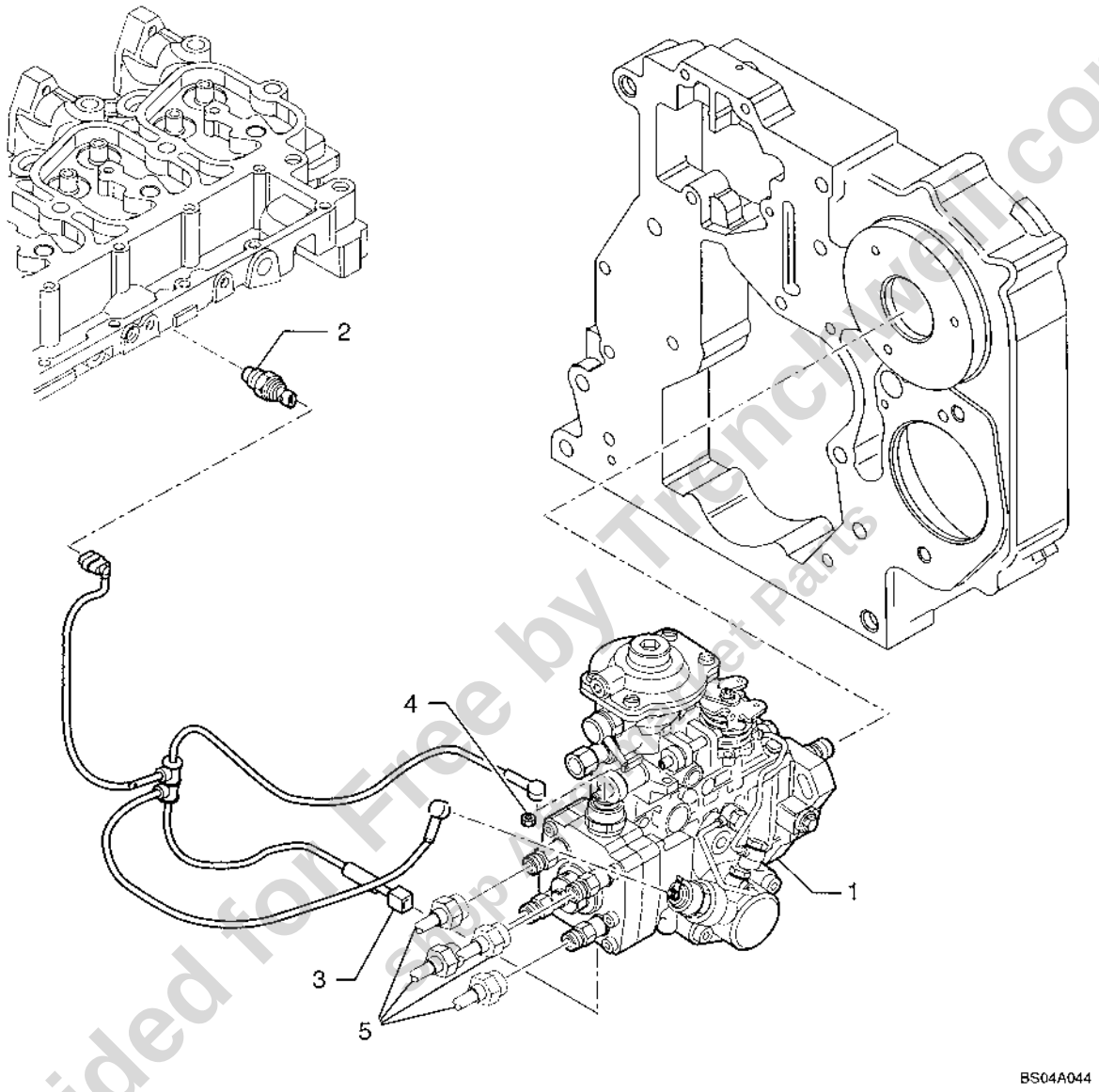
FUEL INJECTION PUMP (580N)



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FUEL INJECTION PUMP (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2856352		1	FUEL INJECTION PUMP, Includes 2852741 Fuel Shutoff Solenoid
1		2856352R		1	REMAN-INJECTION PUMP, 580N, Mechanical Inj. Pump, Use w/ Eng. P/N 84149866 Tier 3, N.A. Only
1		2856352C		1	CORE-INJECTION PUMP, Return Number, For N.A. Only
		2852741		1	SOLENOID, Fuel Shut-off
2		2856350		1	SENSOR, Water
3		2852088		1	WIRE HARNESS
4		2852089		2	LOCK NUT, M5
5		REF		1	INSTRUCTION, TUBE; Fig

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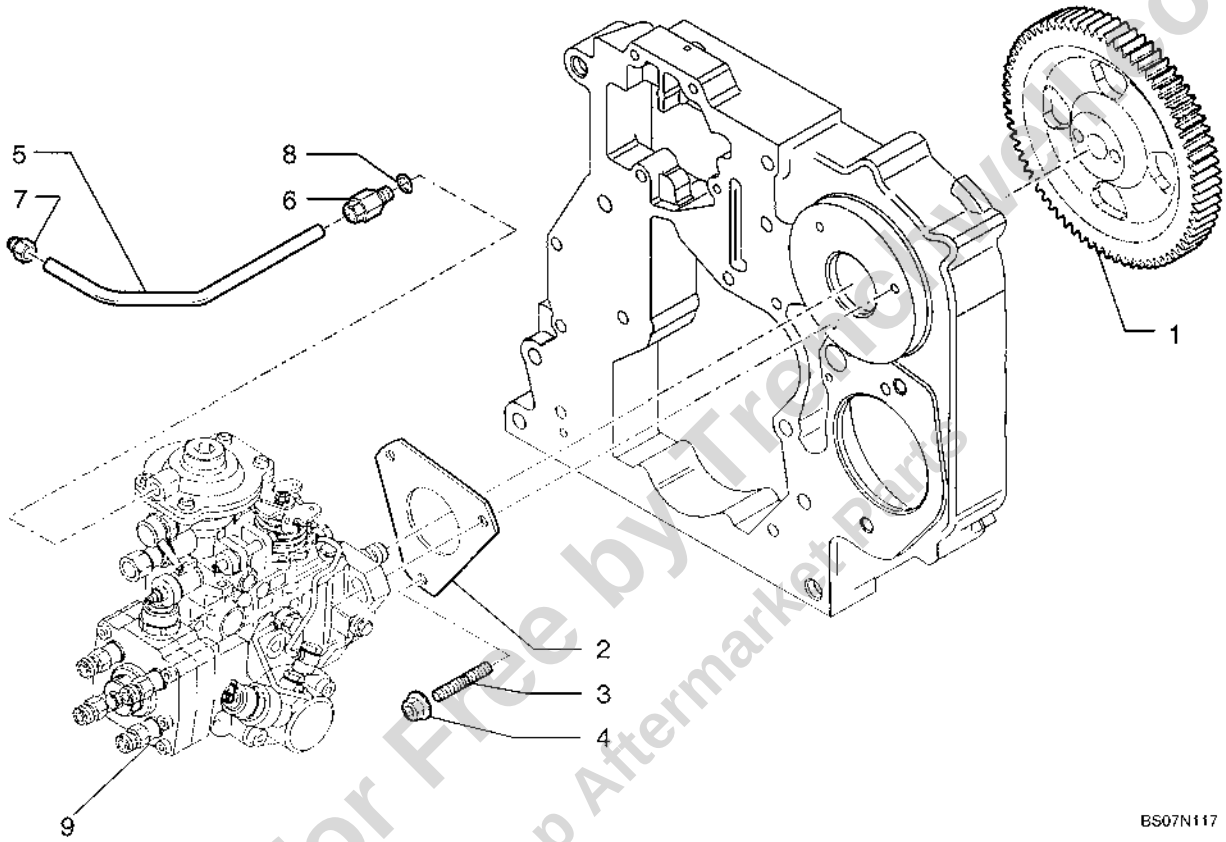
FUEL INJECTION SYSTEM (580N)



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FUEL INJECTION SYSTEM (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2854340		1	GEAR, 52 T
2		2852885		1	GASKET
3		2852294		3	STUD, M8 x 1.25 x 30
4		4899003		3	FLANGE NUT, M8 x 1.25
5		2852059		1	TUBE
6		4893518		1	FITTING, M8 x 1 x 29.5 L
7		4896770		1	FITTING, M10 x 1
8		2852057		1	SEAL WASHER, M8 x 12 x 1 Thk
9		REF		1	INSTRUCTION, INJECTION PUMP

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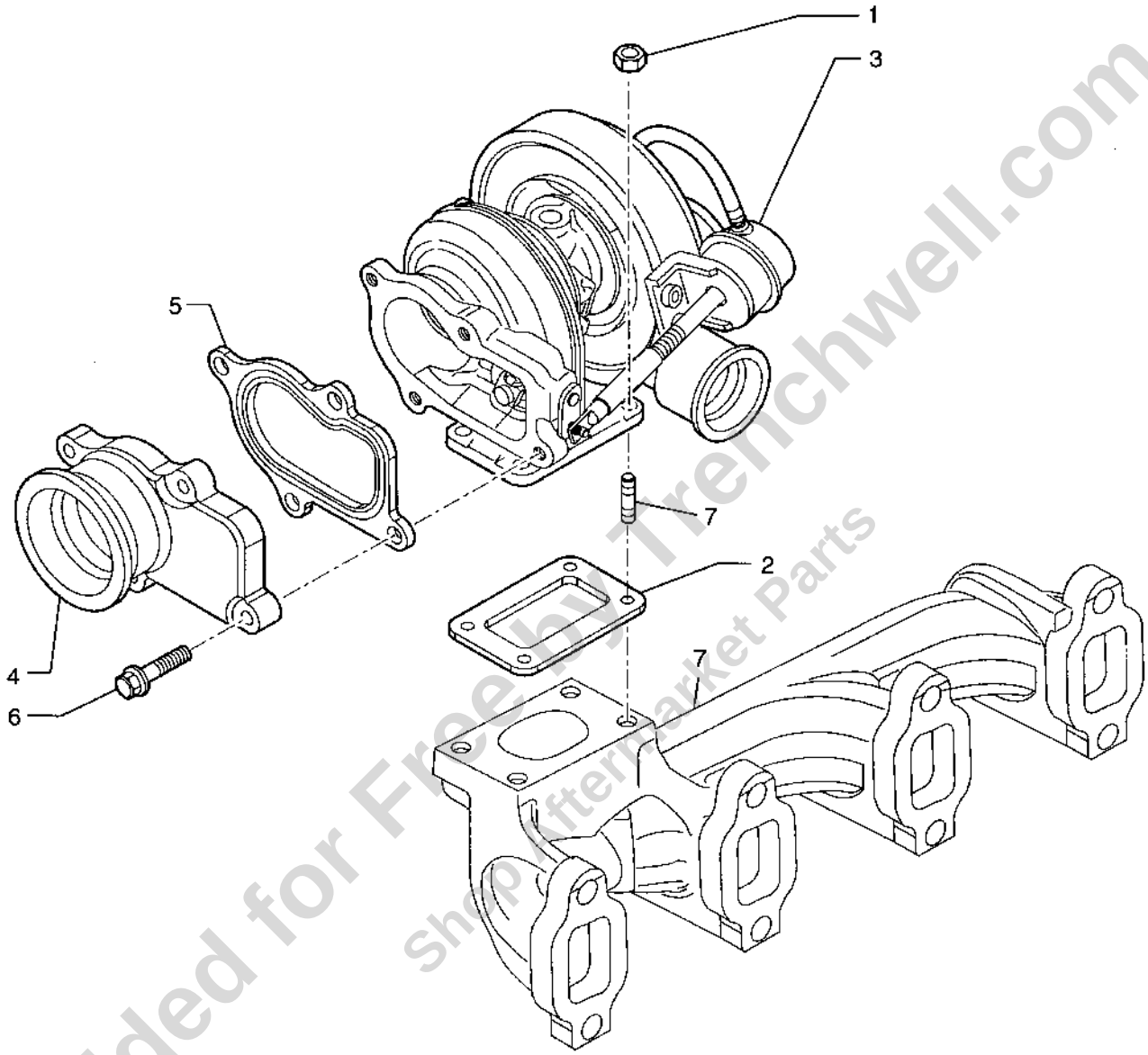
TURBOCHARGER (580SN, 580SN WT, 590SN)



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TURBOCHARGER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899118		4	FLANGE NUT, M8
2		4895133		1	GASKET
3		2856689		1	TURBOCHARGER
3		2856689R		1	REMAN-TURBOCHARGER
3		2856689C		1	CORE-TURBOCHARGER, Return Number, N.A. Only
4		2852072		1	OUTLET
5		2852071		1	GASKET
6		4898482		4	SCREW, Flg Hd, M8 x 1.25 x 30
7		4899859		1	STUD, M8 x 37

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590SN 580SN WT
580SN

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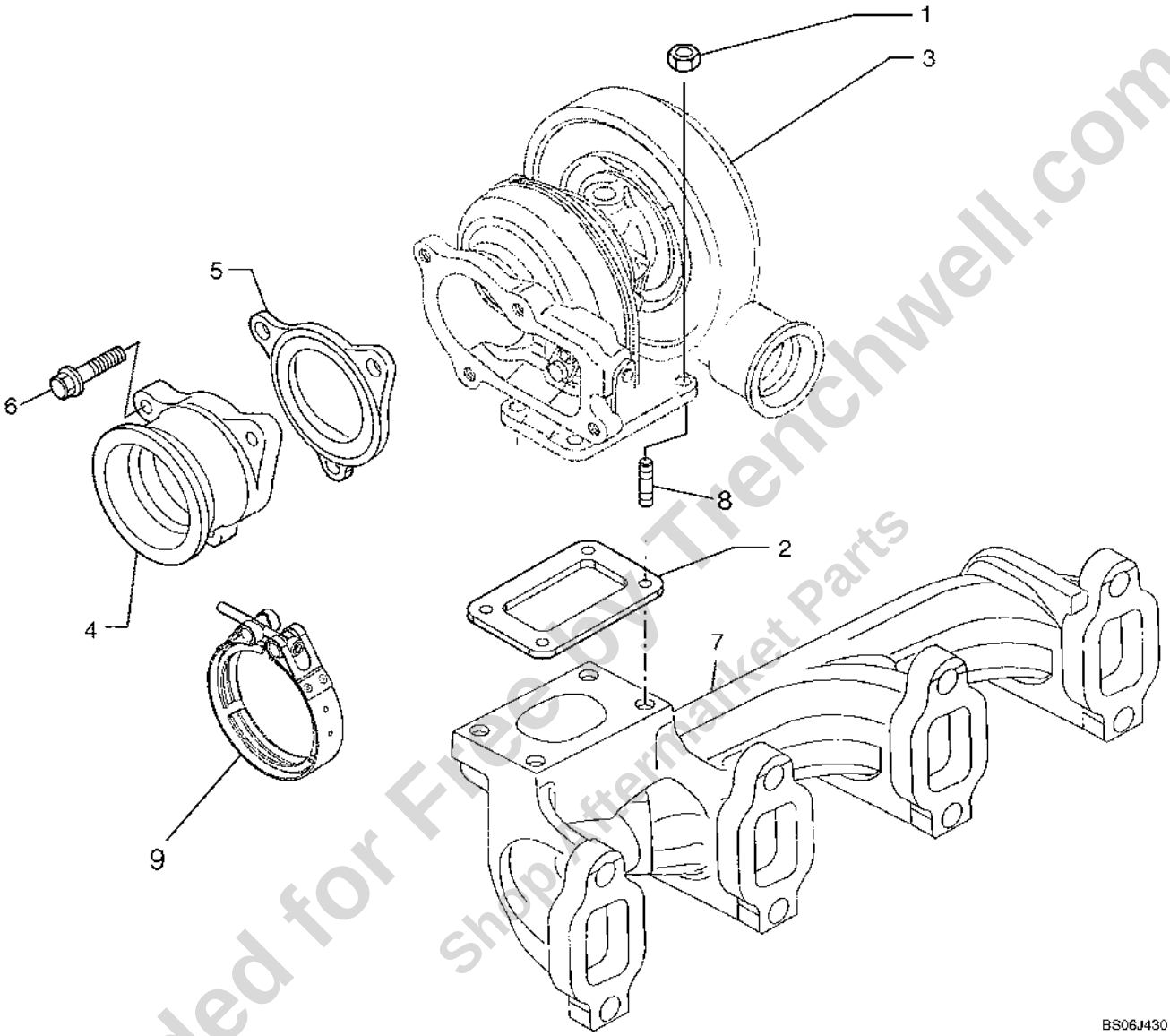
TURBOCHARGER (580N)



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TURBOCHARGER (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899118		4	FLANGE NUT, M8
2		4895133		1	GASKET
3		2857052		1	TURBOCHARGER, Assembly
		2857052R		1	REMAN-TURBOCHARGER, 580N, N.A. Only
		2857052C			CORE-TURBOCHARGER, Return Number, For N.A. Only
4		2852510		1	TUBE, Exhaust Manifold
5		2852509		1	MANIFOLD GASKET
6		4898482		3	SCREW, Flg Hd, M8 x 1.25 x 30
7		REF		1	INSTRUCTION, EXHAUST MANIFOLD
8		4899859		4	STUD, M8 x 37
9		2855273		1	COLLAR

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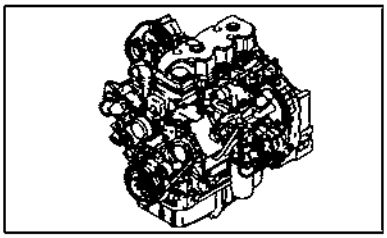
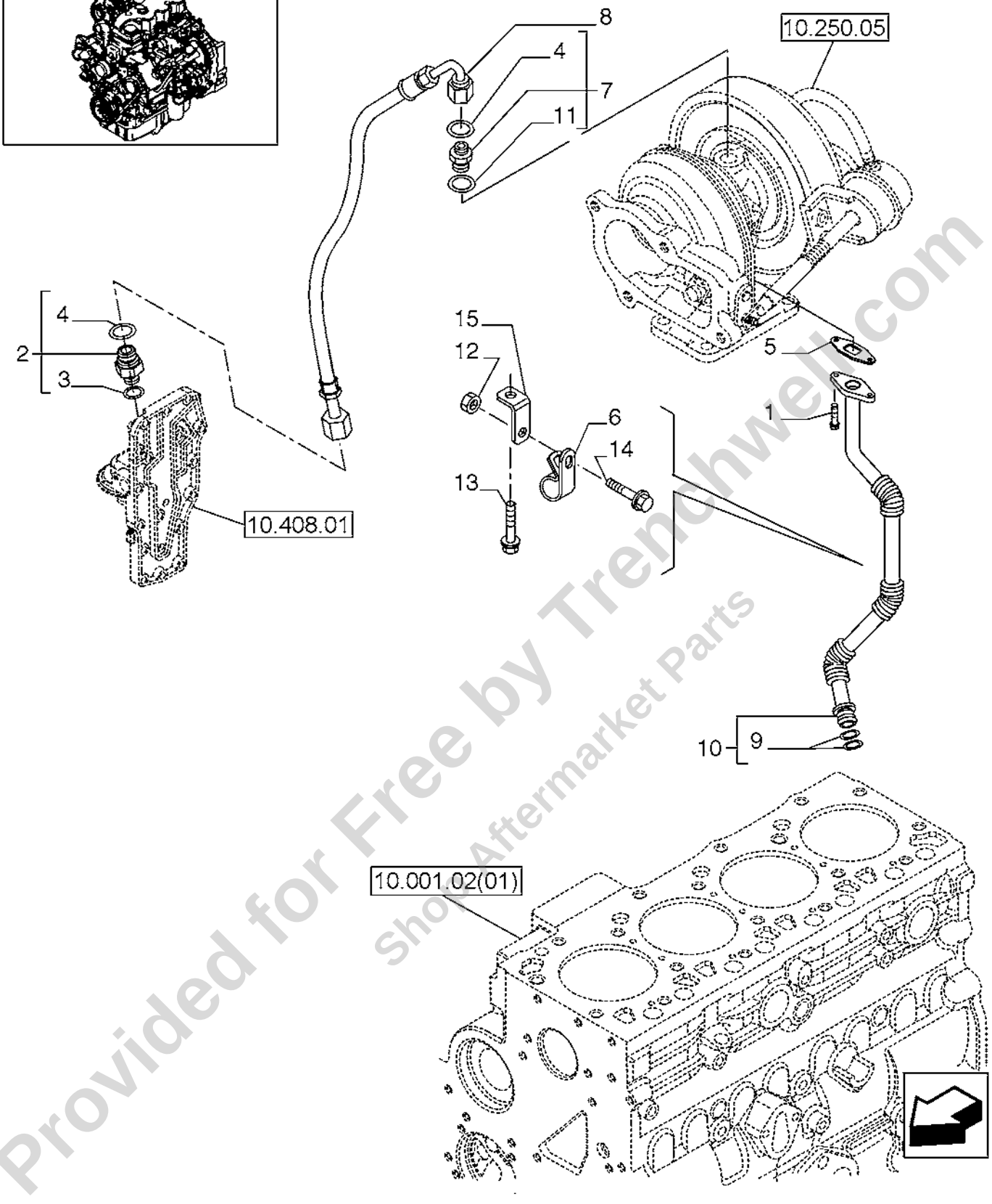
10.250.06		p1	10/10

TURBOCHARGER SYSTEM (580SN, 580SN WT, 590SN)





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TURBOCHARGER SYSTEM (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4895164		2	SCREW, Hex, Flg Hd, M6 x 16
2		4895107		1	HYD CONNECTOR, 11/16"-16 x M12, Incl. 3, 4
3		4899107		1	O-RING, 0.414mm ID x 0.072mm Width
4		4899108		2	O-RING, 0.364mm ID x 0.07mm Width
5		4899467		1	GASKET
6		4899519		1	CLAMP, M16, M6 Bolt
7		4899106		1	HYD CONNECTOR, 11/16"-16 x M10, Incl. 4, 11
8		2852195		1	HYDRAULIC HOSE
9		4899058		2	O-RING, 0.674" ID x 0.88" OD x 0.103"
10		2855780		1	PIPE, Incl. 9
11		4899121		1	SEALING WASHER
12		2852197		1	FLANGE NUT, M6 x 1
13		16586225		1	SCREW, M8 x 16
14		2852101		1	FLANGE BOLT, Hex, M6 x 1 x 16
15		2852196		1	BRACKET

590SN 580SN WT
580SN

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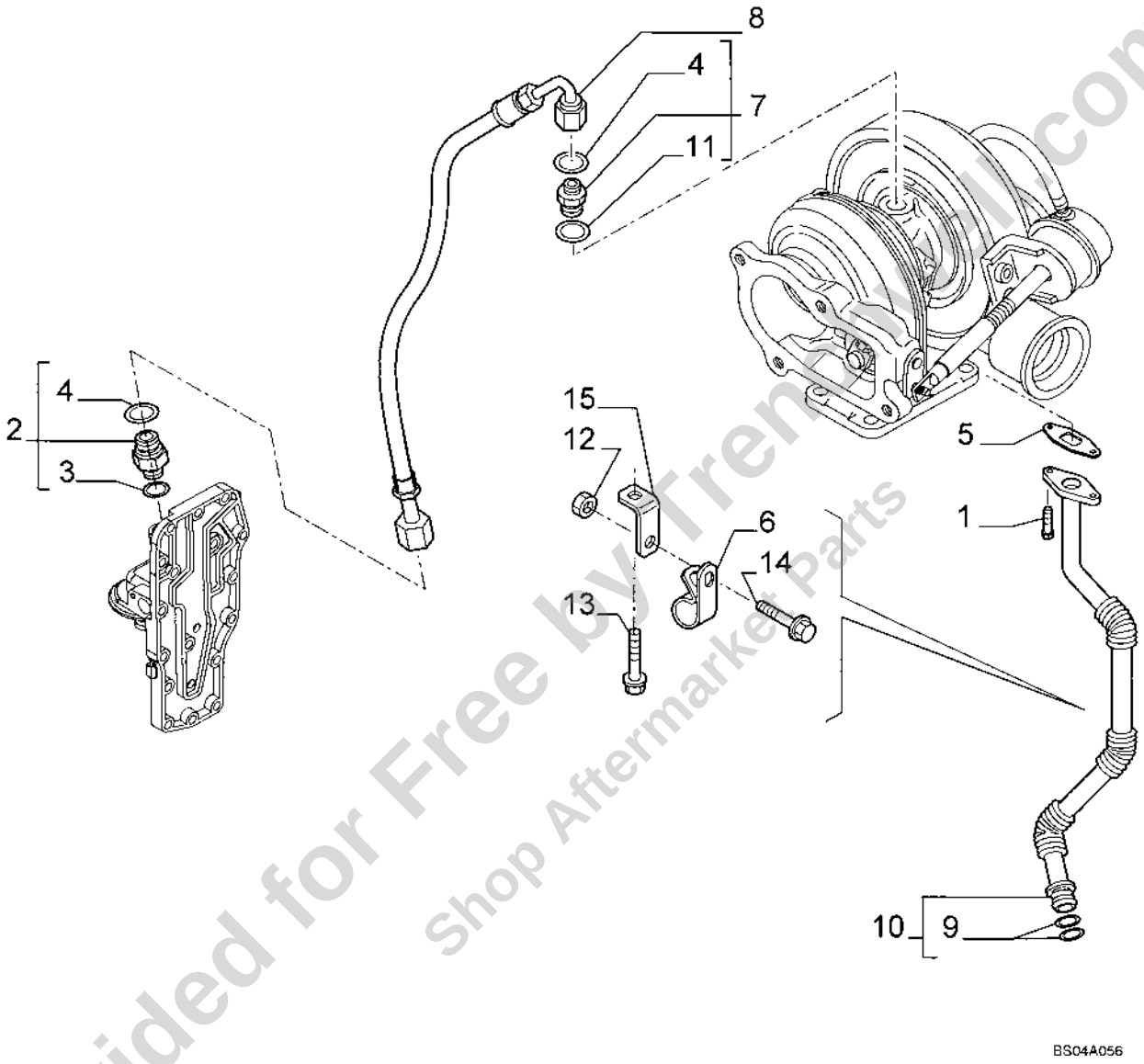
TURBOCHARGER SYSTEM (580N)



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TURBOCHARGER SYSTEM (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4895164		2	SCREW, Hex, Flg Hd, M6 x 16
2		4895107		1	HYD CONNECTOR, 11/16"-16 x M12, Incl. Ref 3, 4
3		4899107		1	O-RING, 0.414mm ID x 0.072mm Width
4		4899108		1	O-RING, 0.364mm ID x 0.07mm Width
5		4899467		1	GASKET, Oil Drain
6		4899519		1	CLAMP, M16, M6 Bolt
6		2854493		1	CLIP, Alternate Part To 4899519, Bracket Clamp
7		4899106		1	HYD CONNECTOR, 11/16"-16 x M10, Incl. Ref 4, 11
8		2852195		1	HYDRAULIC HOSE
9		5135738		2	O-RING, 0.674" ID x 0.88" OD x 0.103"
10		2852102		1	PIPE, Tube; Incl. Ref 9
11		NSS		1	NOT SERVICED SEPARATELY, Washer
12		2852197		1	FLANGE NUT, M6 x 1
13		2852101		1	FLANGE BOLT, Hex, M6 x 1 x 16
14		16586225		1	SCREW, M8 x 16, Flange
15		2852196		1	BRACKET

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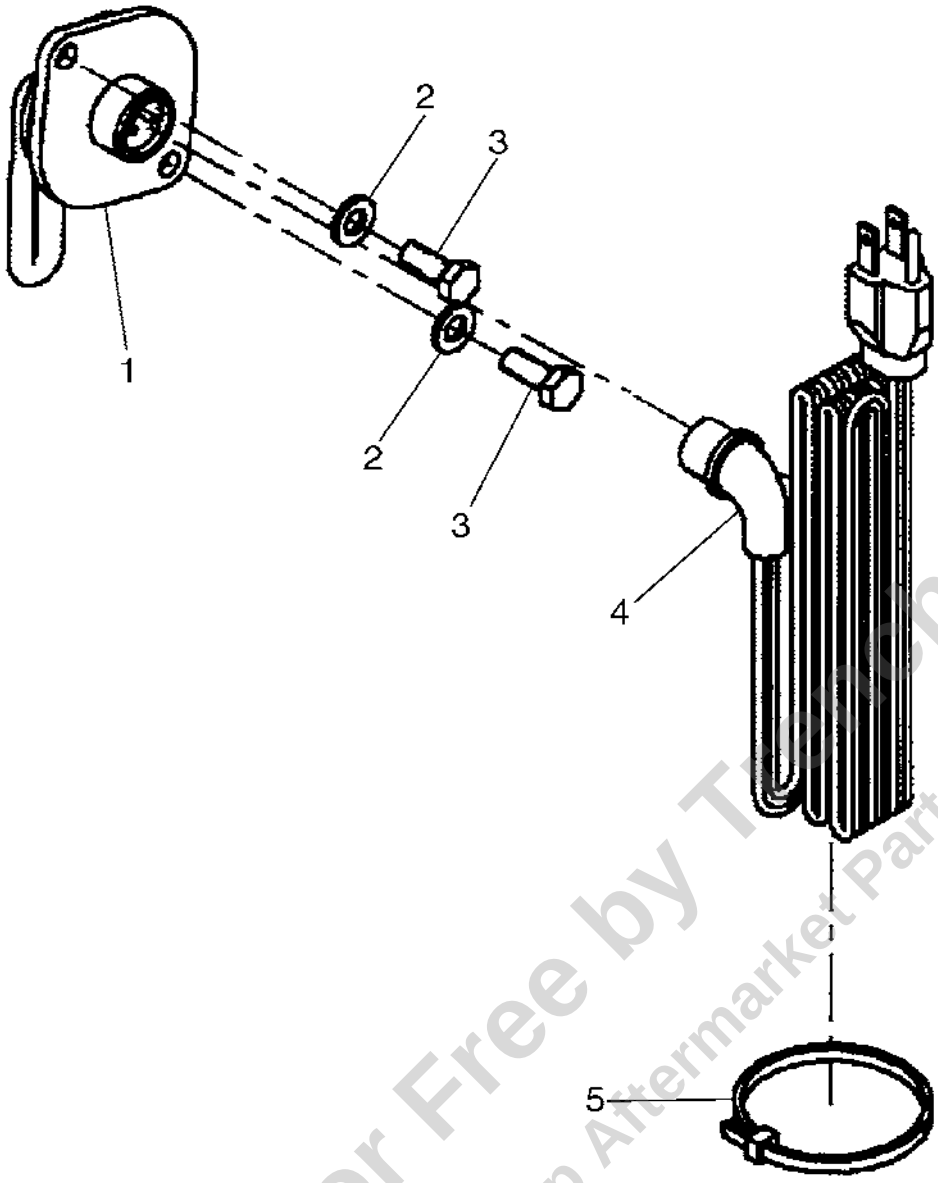
10.254.03		p1	10/10

ENGINE - BLOCK HEATER (580SN, 580SN WT, 590SN)



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ENGINE - BLOCK HEATER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87447135		1	SERVICE KIT, Engine Block Heater; Incl. Ref 1 - 5 and Instructions
1		8602005		1	HEATER, Block; 750W, 120V
2		896-11008		2	WASHER, M8 x 17.5 x 2, HT
3		627-8020		2	BOLT, Hex, M8 x 20, 10.9
4		196466A1		1	ELECTRIC CABLE, 1829 mm (72 in)
5		L18331		1	CABLE STRAP

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590SN 580SN WT
580SN

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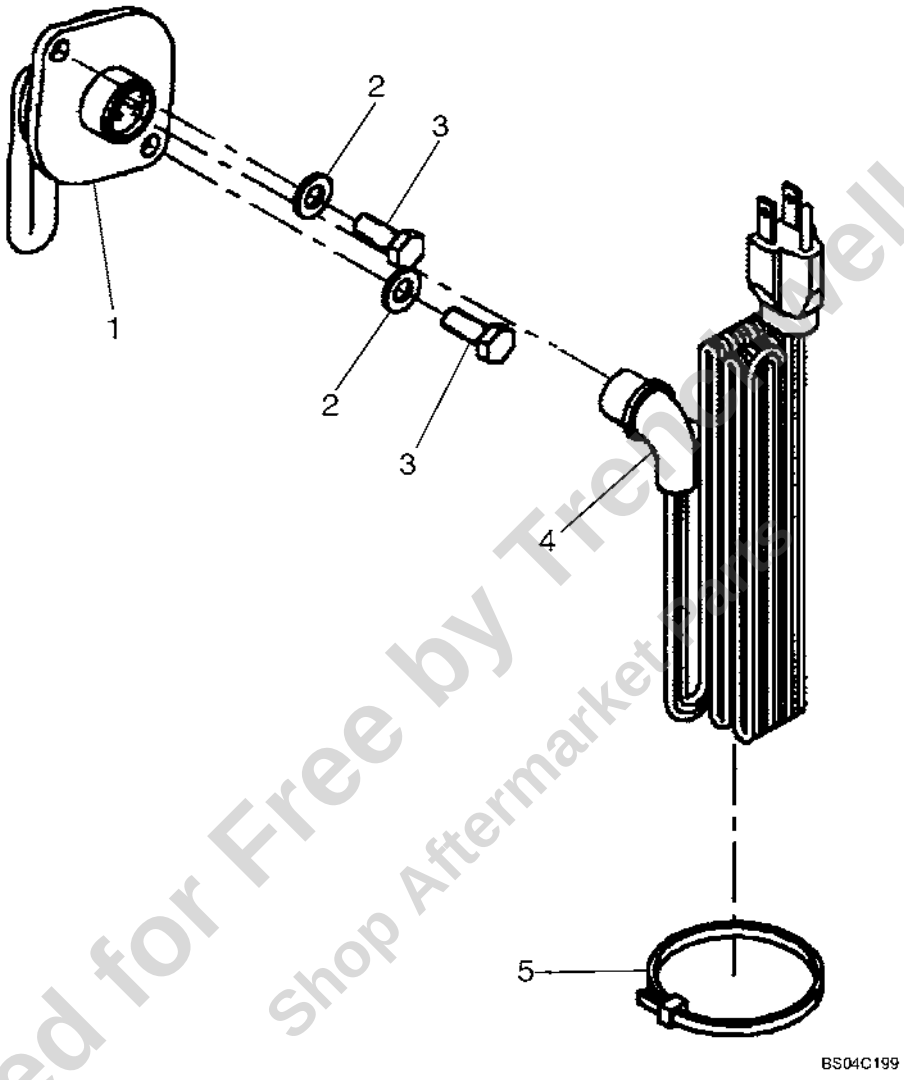
10.254.03		p1	10/10

ENGINE - BLOCK HEATER (580N)



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ENGINE - BLOCK HEATER (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87447135		1	SERVICE KIT, Engine Block Heater; Incl. Ref 1 - 5 and Instructions
1		8602005		1	HEATER, Block; 750W, 120V
2		896-11008		2	WASHER, M8 x 17.5 x 2, HT
3		627-8020		2	BOLT, Hex, M8 x 20, 10.9
4		196466A1		1	ELECTRIC CABLE, 1829 mm (72 in)
5		L18331		1	CABLE STRAP

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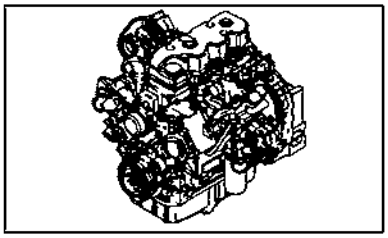
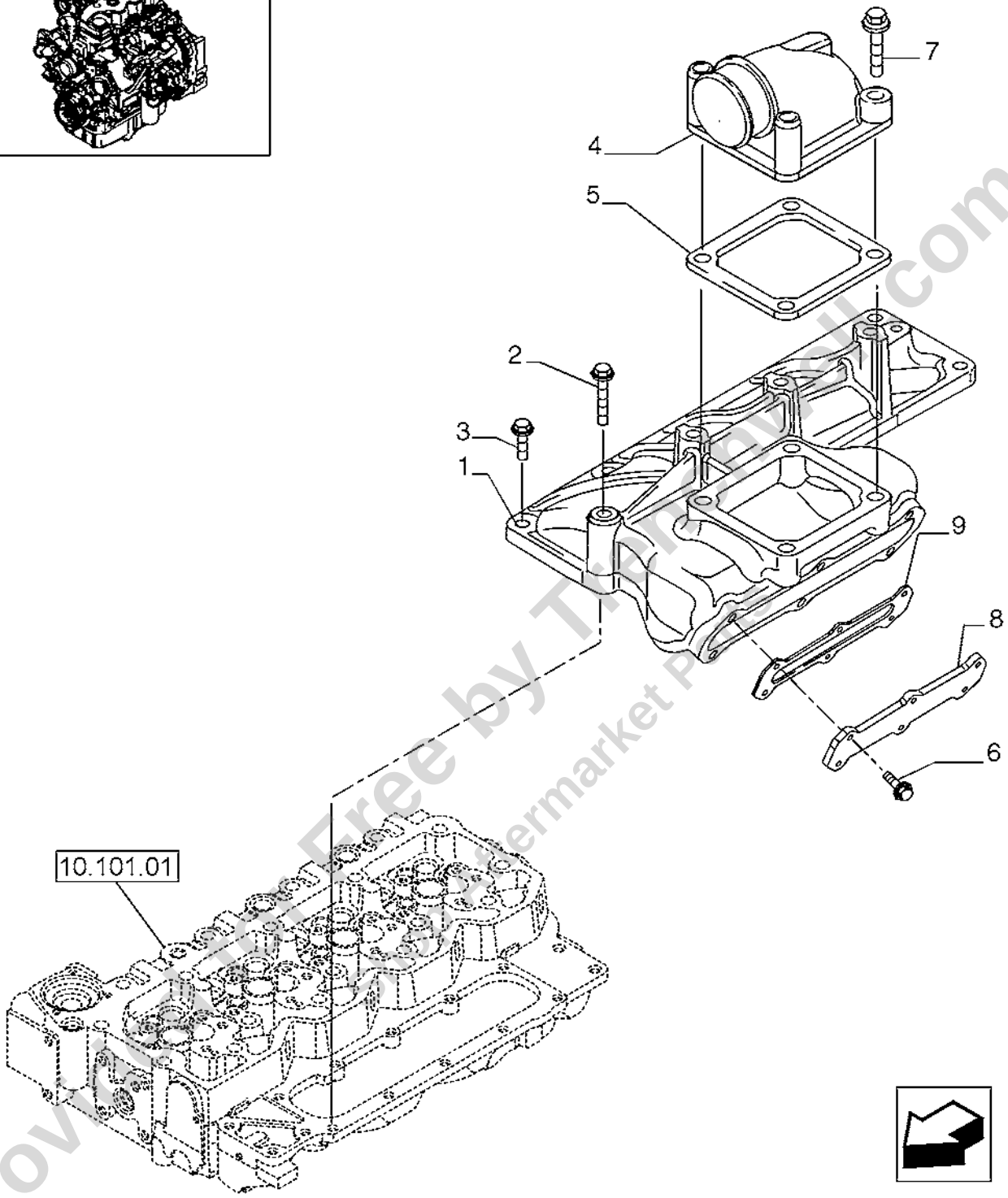
10.254.06		p1	10/10

MANIFOLD - INTAKE (580SN, 580SN WT, 590SN)





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MANIFOLD - INTAKE (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2855805		1	INLET MANIFOLD
2		4895432		1	SCREW
3		4899039		6	SCREW, Hex Flg, M8 x 1.25 x 25
4		2855809		1	MANIFOLD
5		4899921		1	GASKET
6		2854702		6	SCREW, M6 x 20
7		2852295		2	SCREW, M8 x 40
7		2852267		2	FLANGE BOLT, Hex, M8 x 1.25 x 90
8		2854700		1	COVER
9		2854701		1	GASKET

590SN 580SN WT
580SN

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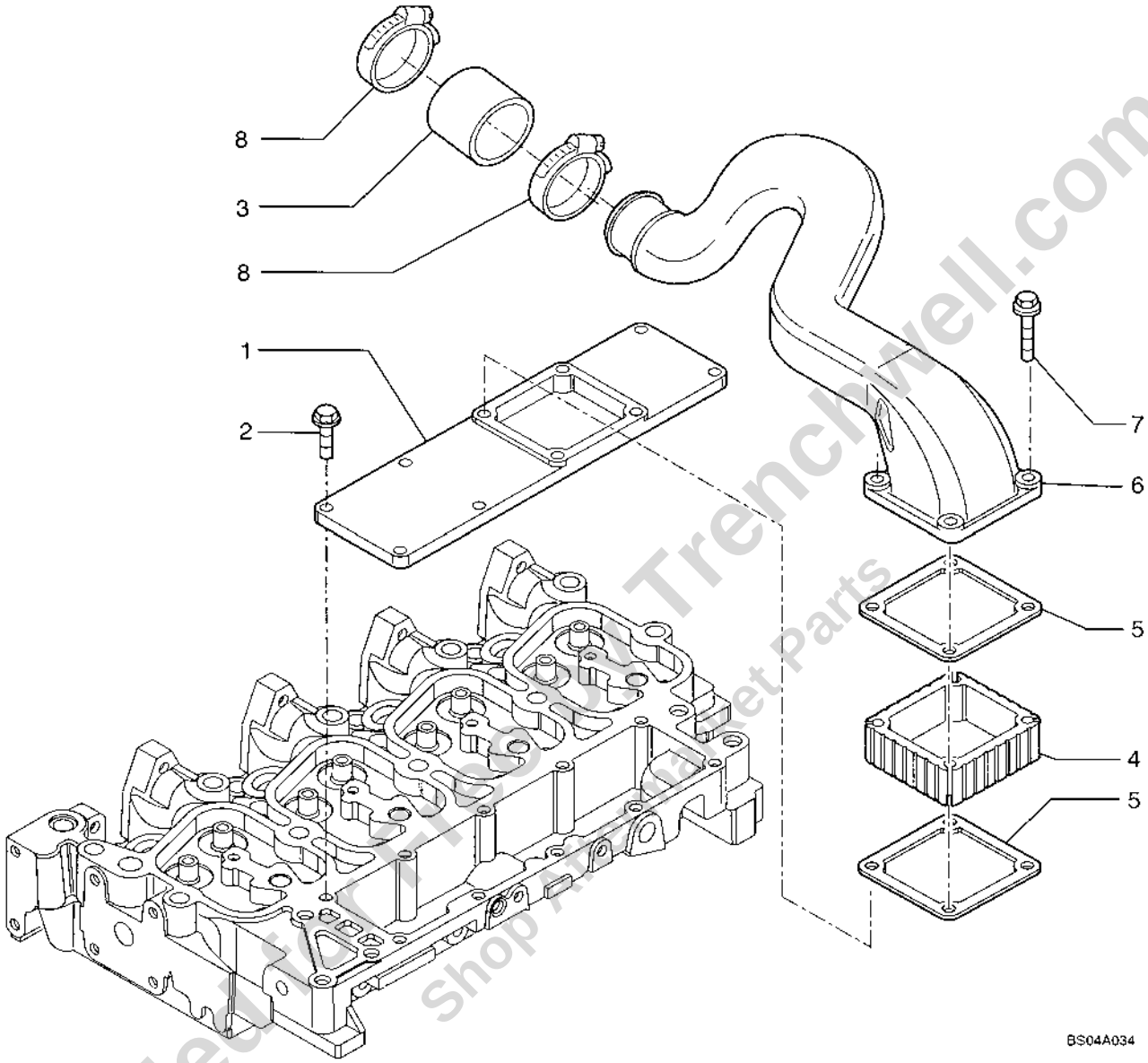
MANIFOLD - INTAKE (580N)



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MANIFOLD - INTAKE (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2852044		1	INLET MANIFOLD, Aluminum; If used
1		2856462		1	INLET MANIFOLD, COVER, Plastic; If Used
2		4899039		6	SCREW, Hex Flg, M8 x 1.25 x 25
3		2852029		1	SLEEVE
4		2856263		1	SPACER, Intake
5		4899921		2	GASKET
6		2852030		1	SUCTION PIPE
7		4895294		4	SCREW, Hex Flg, M8 x 1.25 x 80
8		4895641		2	COLLAR CLAMP

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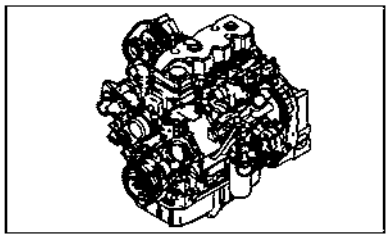
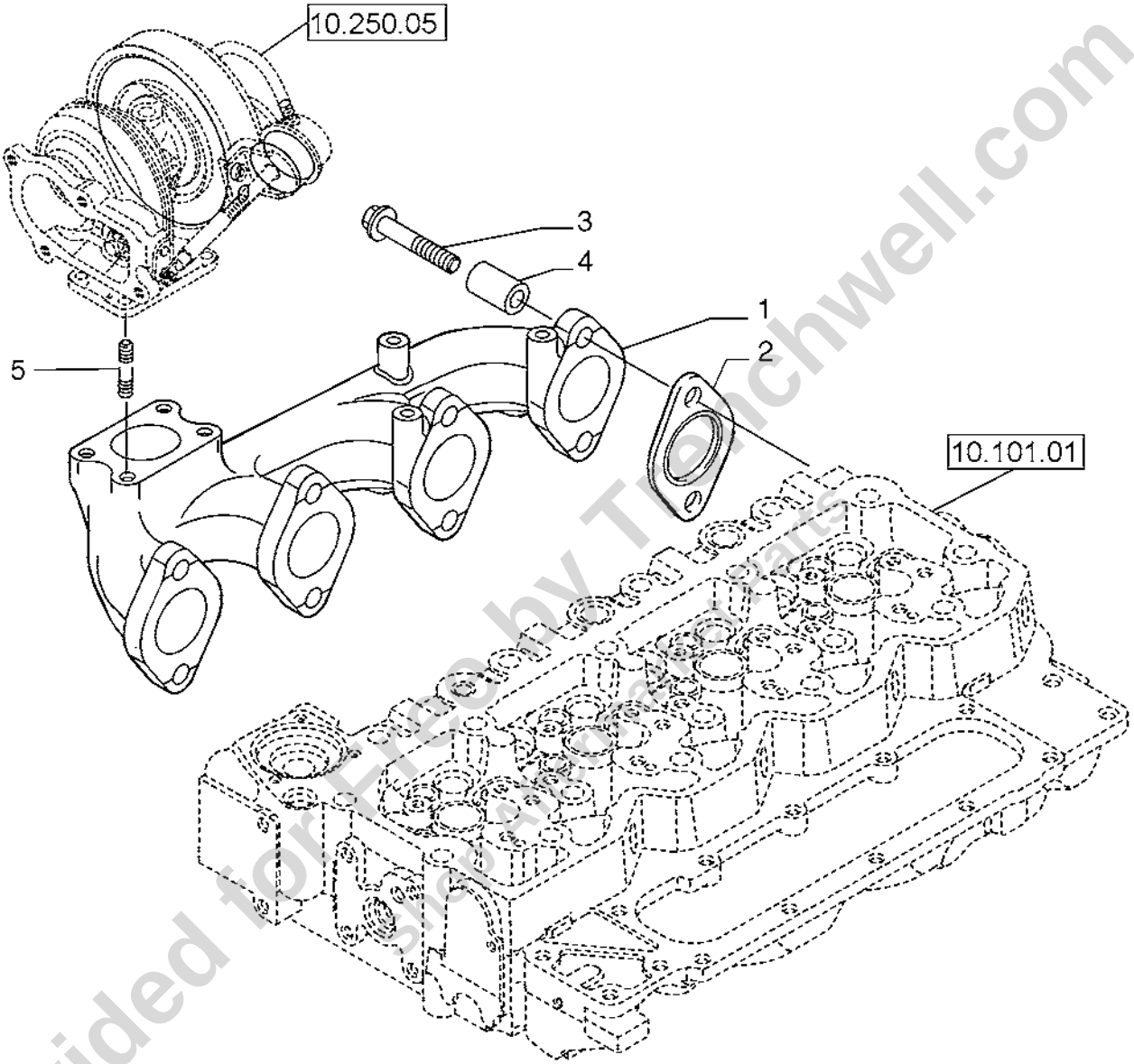
10.254.10		p1	08/11

EXHAUST MANIFOLD (580SN, 580SN WT, 590SN)





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EXHAUST MANIFOLD (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2855807		1	EXHAUST MANIFOLD
2		2830444		4	GASKET
3		2852744		8	SCREW, Hex, Flg Hd, M10 x 1.5 x 65
4		4895336		8	SPACER
5		4899119		4	STUD, M8 x 1.25 x 40

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590SN 580SN WT
580SN

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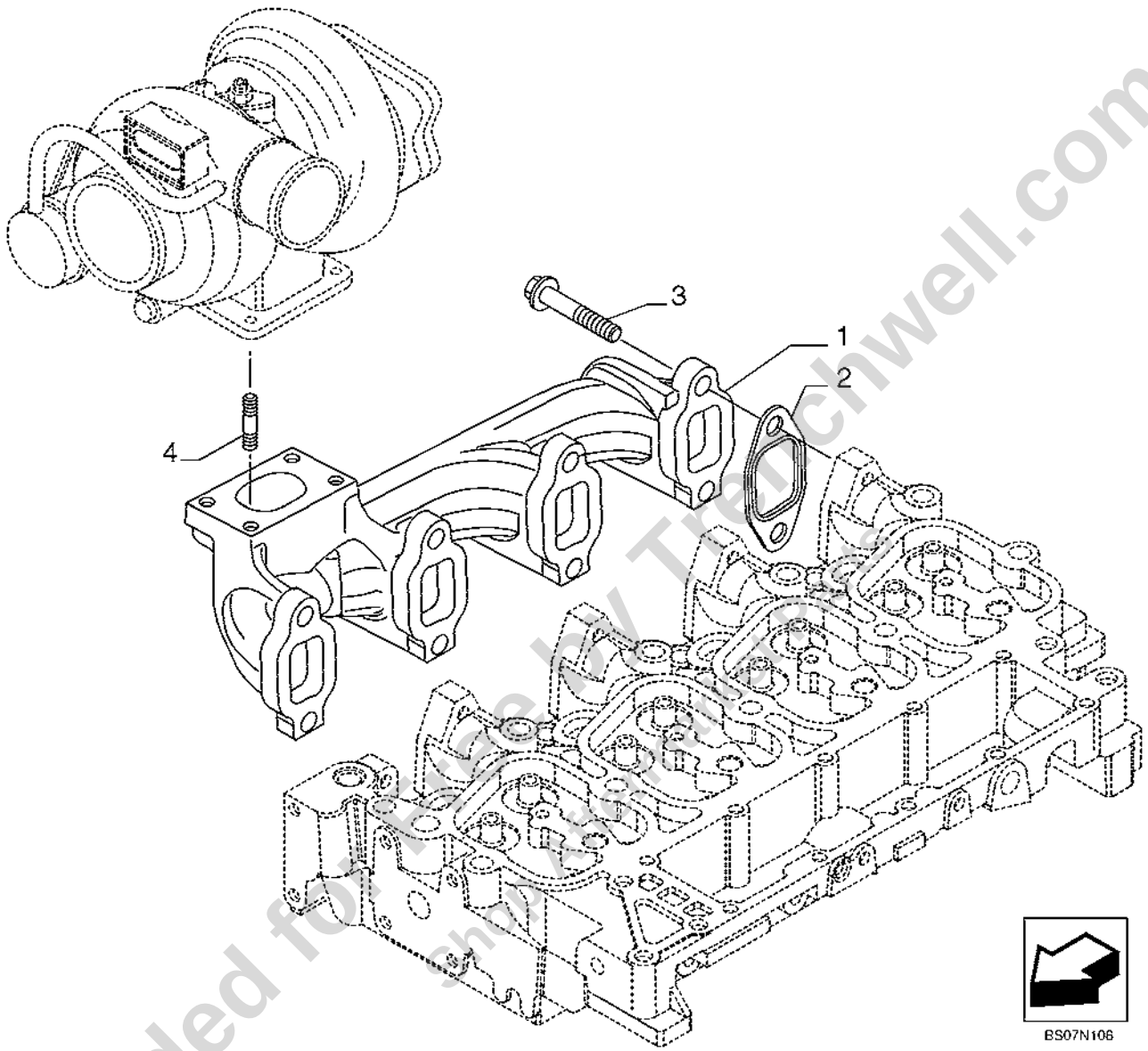
10.254.10		p1	10/10

EXHAUST MANIFOLD (580N)



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EXHAUST MANIFOLD (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2831203		1	EXHAUST MANIFOLD
2		2852743		4	GASKET
3		2852834		8	SCREW
4		4899859		4	STUD, M8 x 37

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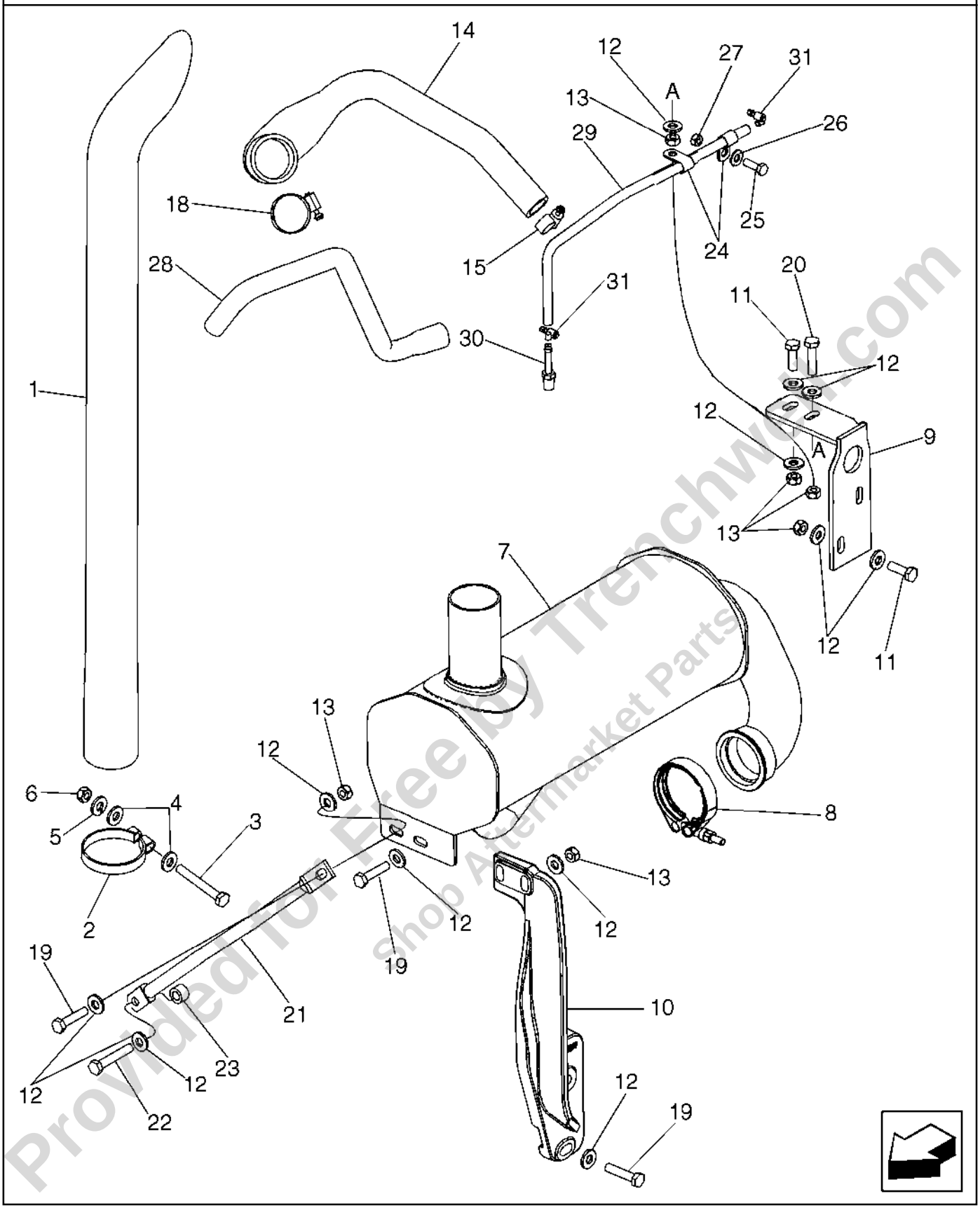
10.254.11		p1	04/11

MUFFLER - EXHAUST SYSTEM



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MUFFLER - EXHAUST SYSTEM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87309656		1	EXHAUST SYSTEM PIPE, 844 mm (33-1/4 in) Long Stack
2		87437804		1	PIPE CLAMP, Stack
3		614-10080		1	BOLT, Hex, M10 x 80, 8.8, Full Thd
4		896-15010		2	WASHER, M10 x 24.5 x 3, HT
5		892-11010		1	LOCK WASHER, M10
6		829-1410		1	NUT, M10, Cl 10
7		87617604		1	MUFFLER, Aspirated; 580SM/580SM+; If Used
7		87617605		1	MUFFLER, Spark Arrested; 580SM+; If Used
8		A170467		1	CLAMP, Includes Hardware
9		87612343		1	BRACKET, Front Support
10		87451167		1	BRACKET, Rear Support
11		627-10030		3	BOLT, Hex, M10 x 30, 10.9, Full Thd
12		896-15010		15	WASHER, M10 x 24.5 x 3, HT
13		829-1410		7	NUT, M10, Cl 10
14		87704858		1	HOSE, 25.40 mm ID, 50.00 mm ID, SAE 20R4 Class D-3, Aspiration
15		214-1416		1	HOSE CLAMP, #16, 0.81/1.50 Type F Worm
18		214-1436		1	HOSE CLAMP, #36, 1.81/2.75 Type F Worm
19		827-10045		4	BOLT, Hex, M10 x 45, 10.9
20		827-10040		1	BOLT, Hex, M10 x 40, 10.9, Full Thd
21		87549969		1	ROD
22		827-10060		1	BOLT, Hex, M10 x 60, 10.9
23		87549973		1	SPACER, Muffler Rod
24		515-23143		2	CLAMP, 9/16", Insul, 3/8" Bolt
25		614-8025		1	BOLT, Hex, M8 x 25, 8.8
26		895-15008		1	WASHER, M8 x 20 x 1.6
27		829-1408		1	NUT, M8, Cl 10
28		87638737		1	HOSE, 17.00 mm ID, 22.00 mm ID x 110.00 mm, SAE J30R6
29		87721299		1	HOSE, 8.30 mm ID x 390 mm, SAE 30R6 Or SAE 20R4 Class D1, Engine to Tee
30		87721314		1	ORIFICE
31		214-1704		2	HOSE CLAMP, #4, 0.25/0.62 Type M Worm

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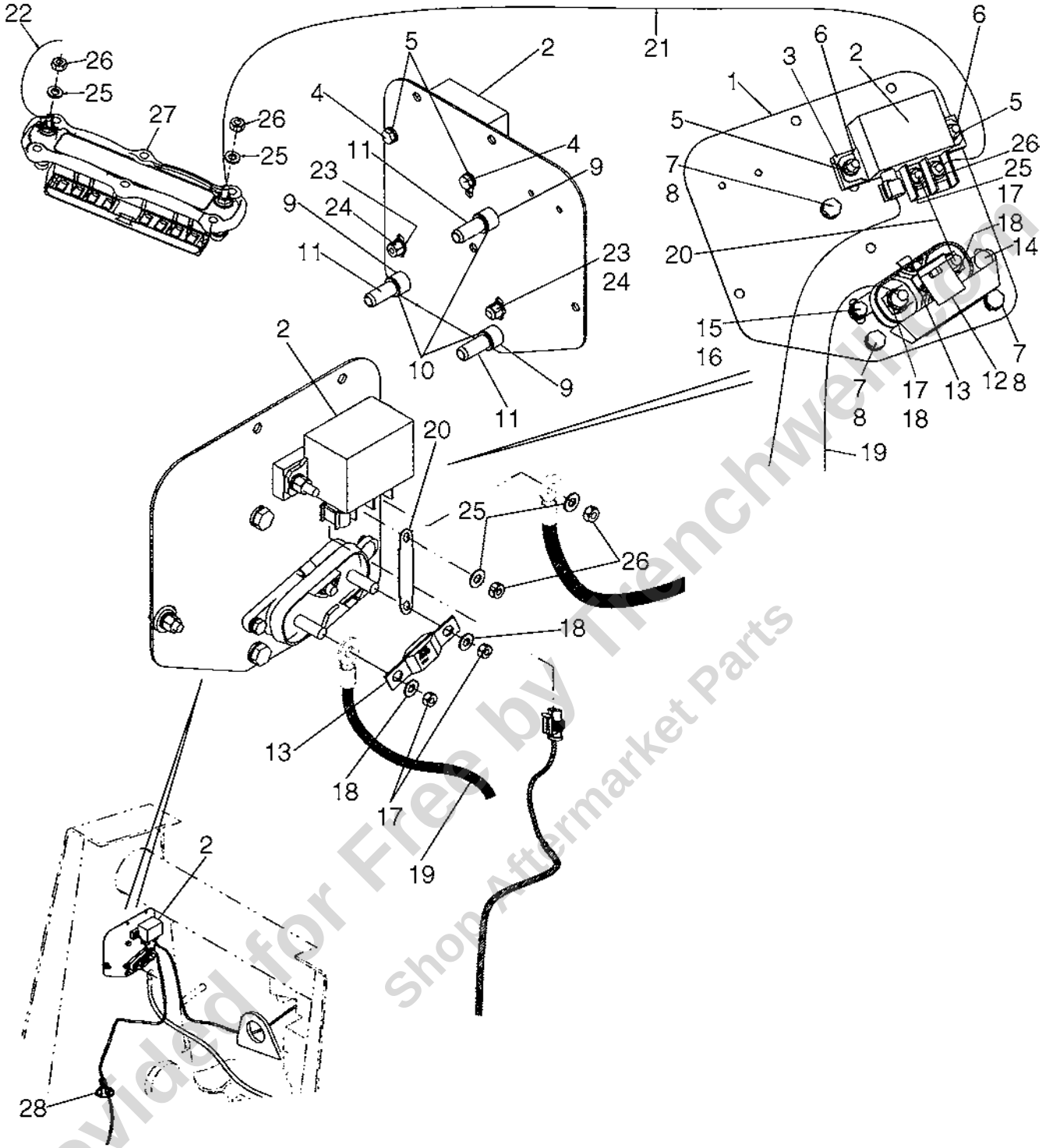
10.254.12		p1	10/10

COLD START / GRID HEATER (580SN, 580SN WT, 590SN)



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COLD START / GRID HEATER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87397601		1	BRACKET, SUPPORTING
2		86619908		1	RELAY, Cold Start
3		87414237		1	PLATE, Bar, 10 mm Spacer
4		614-6035		2	BOLT, Hex, M6 x 35, 8.8, Full Thd
5		895-11006		4	WASHER, M6
6		832-10406		2	NUT, M6 x 1, Cl 8
7		614-8040		3	BOLT, Hex, M8 x 40, 8.8, Full Thd
8		892-11008		3	LOCK WASHER, M8
9		407962A1		3	SPACER
10		238-5011		3	O-RING, 0.301" ID x 0.441" OD x 0.07"
11		87417383		3	THREADED INSERT, M8 x 1-1/4
12		440038A1		1	JUNCTION BLOCK
13		87410602		1	FUSE
14		811-6016		1	CARRIAGE BOLT, Short NK, M6 x 16, Cl8.8, Full Thd
15		614-6020		1	BOLT, Hex, M6 x 20, 8.8
16		895-11006		1	WASHER, M6
17		829-1408		2	NUT, M8, Cl 10
18		892-11008		2	LOCK WASHER, M8
19		87419615		1	CABLE ASSY., Starter To Fuse
20		87410265		1	BAR, CABLE Fuse To Relay
21		87608352		1	WIRE HARNESS, Relay To Grid Heater
22		87601612		1	GROUND CABLE, Grid Heater
23		895-11006		2	WASHER, M6
24		832-10406		2	NUT, M6 x 1, Cl 8
25		322357		4	BELLEVILLE WASHER, M6
26		829-1406		4	NUT, M6, Cl 10
27		2854837		1	HEATER, Grid
28		L18337		1	CABLE STRAP, 9.95"-12.1" lg

590SN 580SN WT
580SN

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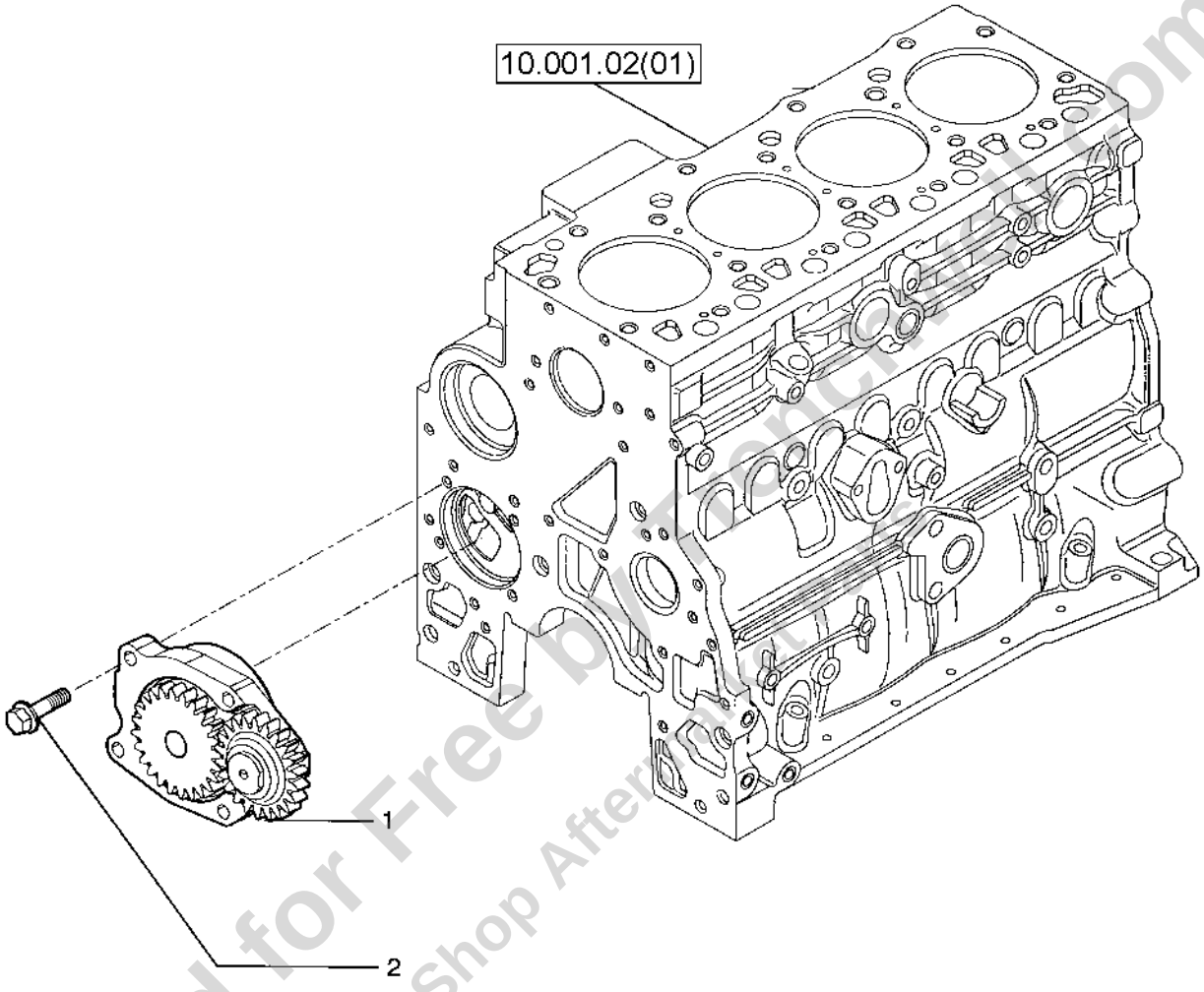
OIL PUMP - ENGINE (580SN, 580SN WT, 590SN)



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OIL PUMP - ENGINE (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4897480		1	ENGINE OIL PUMP
1		2853414		1	ENGINE OIL PUMP, Alternate Part to 4897480
2		4899090		4	SCREW, Hex Flg, M8 x 1.25 x 30

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580SN WT 590SN
580SN

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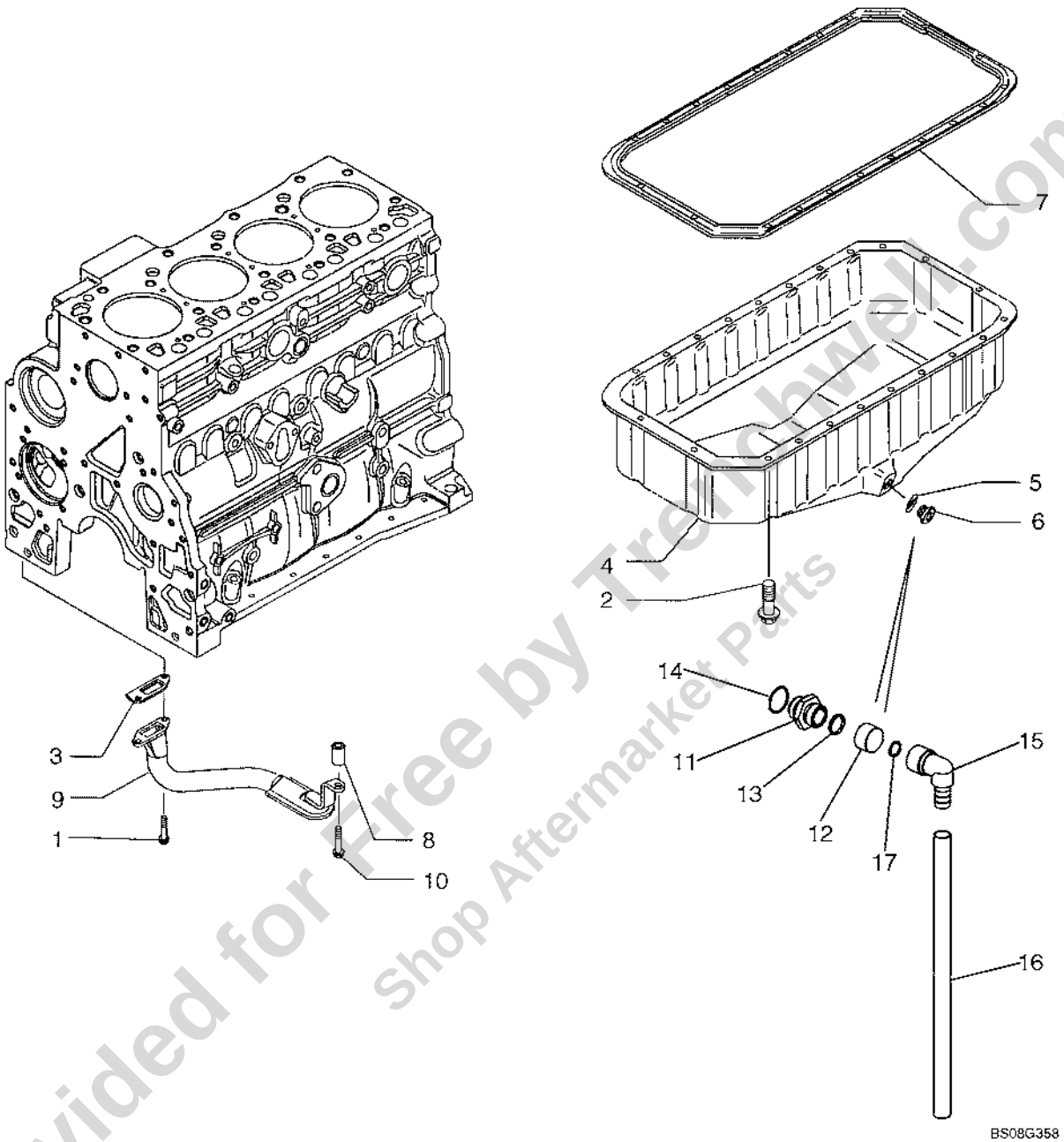
OIL PUMP, PAN (580N)



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OIL PUMP, PAN (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		16673635		2	BOLT, M8 x 20
2		4899091		22	SCREW, Hex Flange Cap, M8 x 1.25 x 40.00mm
2		4895489		2	FLANGE BOLT, Hex, M8 x 1.25 x 110
3		4898301		1	GASKET
4		2852011		1	ENGINE OIL PAN
5		2852978		1	O-RING, M23.47 ID x 2.62 Thk
6		2856086		1	PLUG, 22 x 1.5; Does Not Include Seal, Purchase Seal Separately
7		2852012		1	GASKET
8		2852016		1	SPACER
9		2852013		1	STRAINER ELEMENT, Tube; Oil Suction, Includes Screen Which Is Not Serviced Separately
10		4895538		1	FLANGE BOLT, Hex, M10 x 1.5 x 120
		85826260		1	DRAIN VALVE, Assembly, Incl. 11 - 17; Used On 4WD Units To Prevent Oil From Draining Onto the Front Driveshaft Guard
		87490402		1	DRAIN VALVE, Incl. 11 - 14
11		NSS		1	NOT SERVICED SEPARATELY, Plug, Special Oil Drain
12		87497900		1	DRAIN PLUG
13		87698749		1	O-RING, 0.612" ID x 0.818" OD x 0.103"
14		14453881		1	O-RING, 23.52mm ID x 1.78" Width
		87490403		1	DRAIN VALVE, Female Engine Oil Drain; Incl. 15 - 17
15		NSS		1	NOT SERVICED SEPARATELY, Connector; Hydraulic, Special Oil Drain
16		NSS		1	NOT SERVICED SEPARATELY, Hose, Special Drain Plug
17		14453181		1	O-RING, 0.489" ID x 0.07" Width

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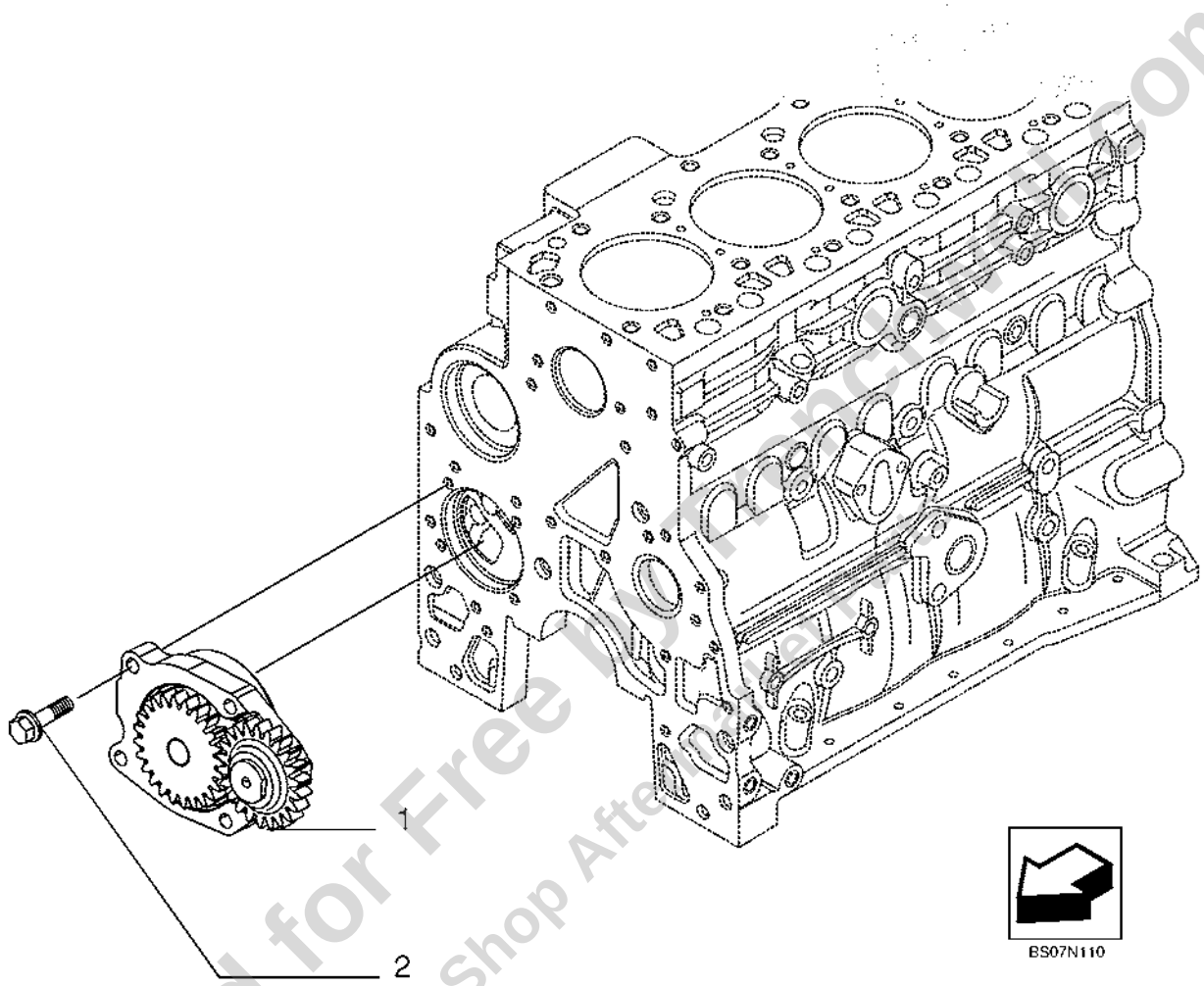
OIL PUMP - ENGINE (580N)



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OIL PUMP - ENGINE (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4897480		1	ENGINE OIL PUMP, IN ALTERNATIVE
1		2853414		1	ENGINE OIL PUMP, IN ALTERNATIVE
2		4899090		4	SCREW, Hex Flg, M8 x 1.25 x 30

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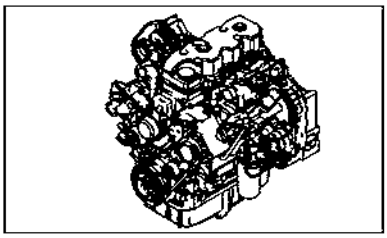
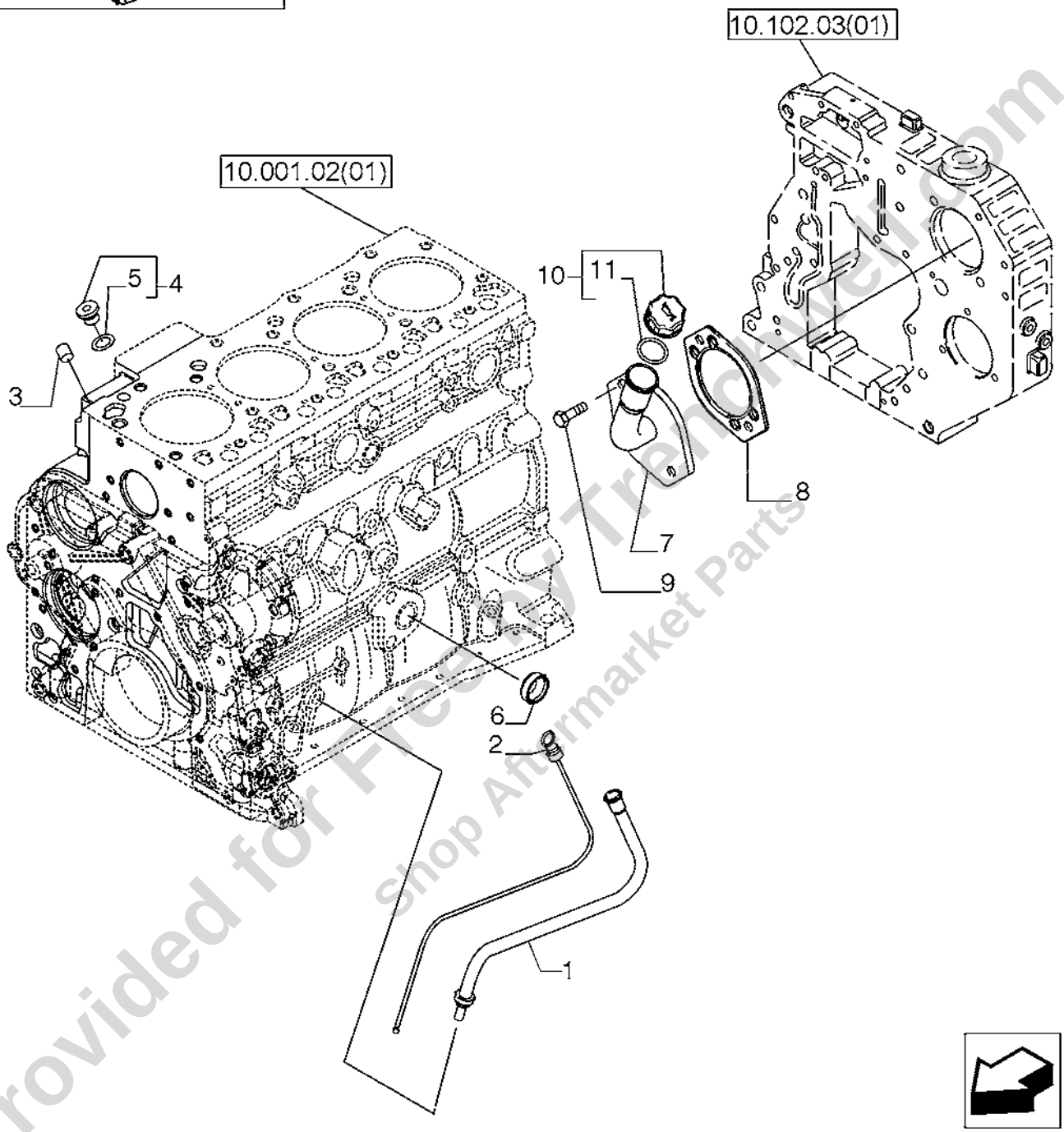
10.304.10		p1	10/10

ENGINE OIL DIPSTICK (580SN, 580SN WT, 590SN)





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ENGINE OIL DIPSTICK (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		2855812		1	DIPSTICK, Inc 1, 2
1		2855813		1	TUBE, Oil Fill
2		2855815		1	DIPSTICK
3		4895406		1	EXPANSION PLUG, 9.8mm OD
4		4897330		2	HEX SOCKET PLUG, M12 x 1.5, Inc 5
5		4895610		1	O-RING, 9.3mm ID x 2.2mm Width
6		4895037		1	EXPANSION PLUG, 32.03mm
7		2855787		1	TUBE, 169.3, 160 mm Length
8		4896897		1	GASKET
9		16588025		2	SCREW
10		2853410		1	FILLER CAP, Inc 11
11		2853412		1	O-RING
		2852485		1	BRACKET, (Not Shown)

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590SN 580SN WT
580SN

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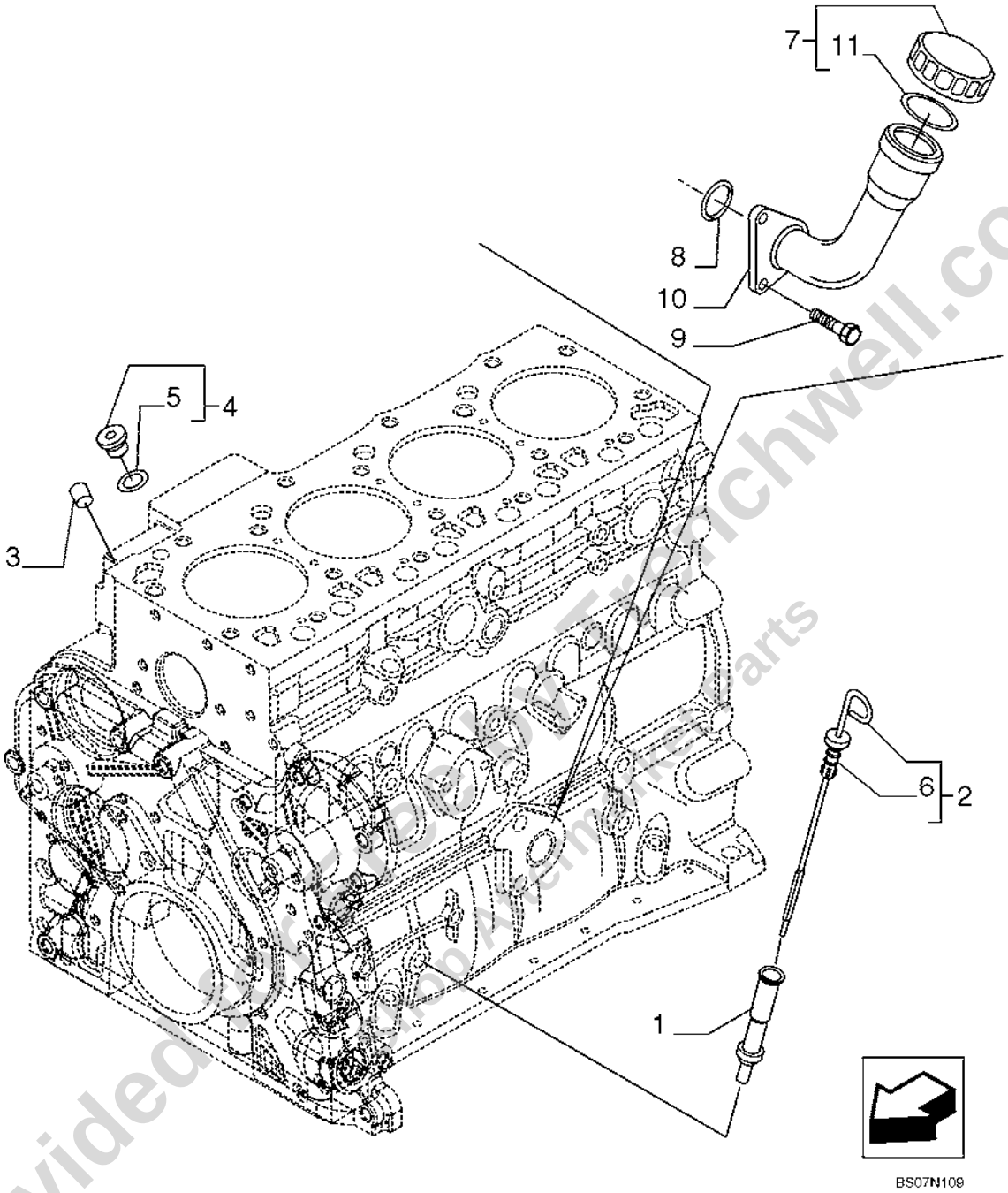
10.304.10		p1	10/10

ENGINE OIL DIPSTICK (580N)



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ENGINE OIL DIPSTICK (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2852122		1	TUBE, 81 mm Length, Oil Level
2		2852125		1	DIPSTICK, Incl. 6
3		4895406		1	EXPANSION PLUG, 9.8mm OD
4		4897330		2	HEX SOCKET PLUG, M12 x 1.5, Incl. Ref 5
5		4895610		1	O-RING, 9.3mm ID x 2.2mm Width
6		2852127		1	GASKET
7		2853410		1	FILLER CAP, Incl. 11
8		2852135		1	GASKET
9		2852134		2	FLANGE BOLT, Hex, M12 x 1.75 x 25
10		2853407		1	NECK FILLER, 143, 117.3 mm Length
11		2853412		1	O-RING

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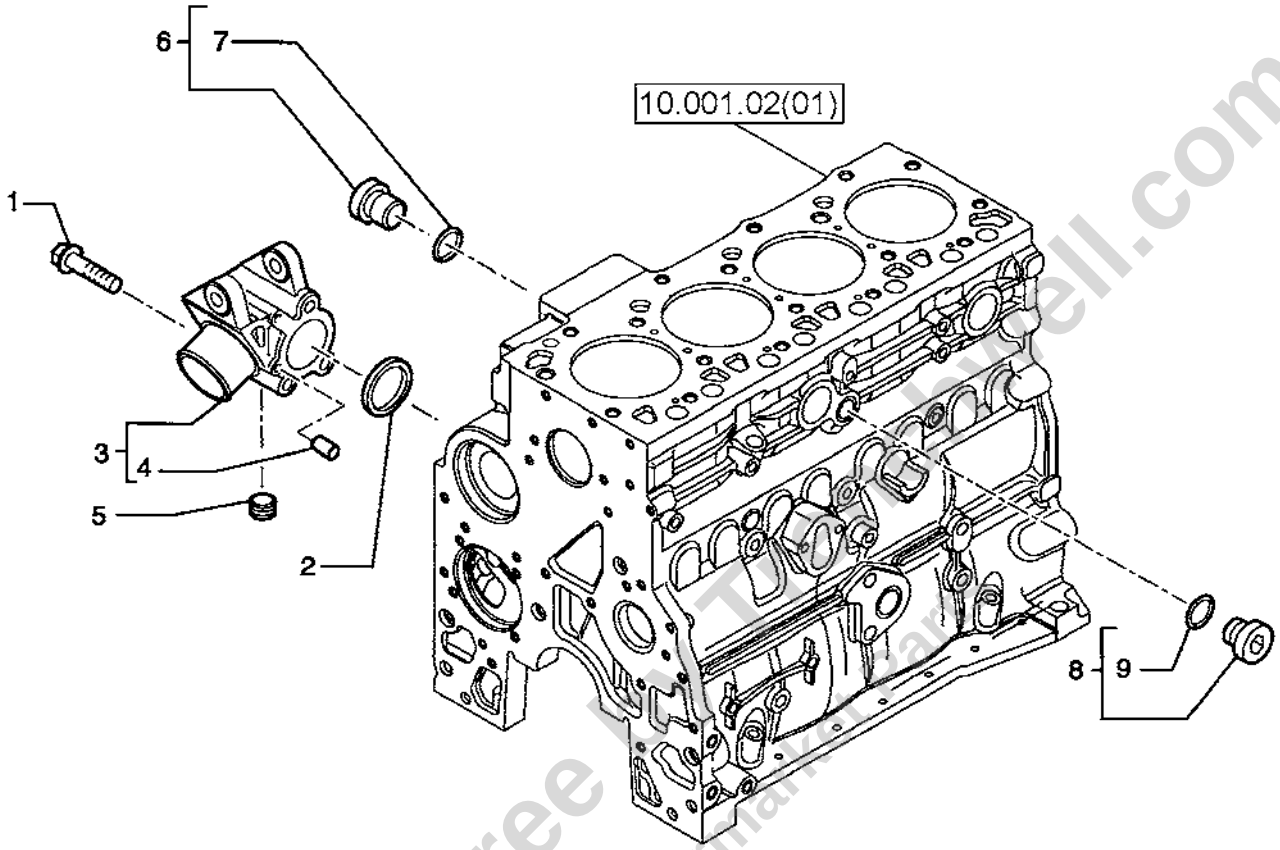
10.400.03		p1	10/10

COOLING SYSTEM - ENGINE (580SN, 580SN WT, 590SN)



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COOLING SYSTEM - ENGINE (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899109		3	SCREW, Hex, M10 x 1.5 x 80
2		2854072		1	SEAL, Rectangular, 50mm ID x 5.16 Thk
3		2855776		1	SUPPORT, Water Inlet; Incl. Ref 4
4		2830894		2	DOWEL, .25" OD x .625" L
5		2852511		1	PLUG
6		4895392		1	HEX SOCKET PLUG, M18 x 1.5, Torque Converter Oil; Incl. Ref 7
7		4895393		1	O-RING, 15.3mm ID x 2.2mm Width
8		4895623		1	HEX SOCKET PLUG, M16 x 1.5, Compressor Plumbing; Incl. Ref 9
9		4895625		1	O-RING, 13.3mm ID x 2.2mm Width

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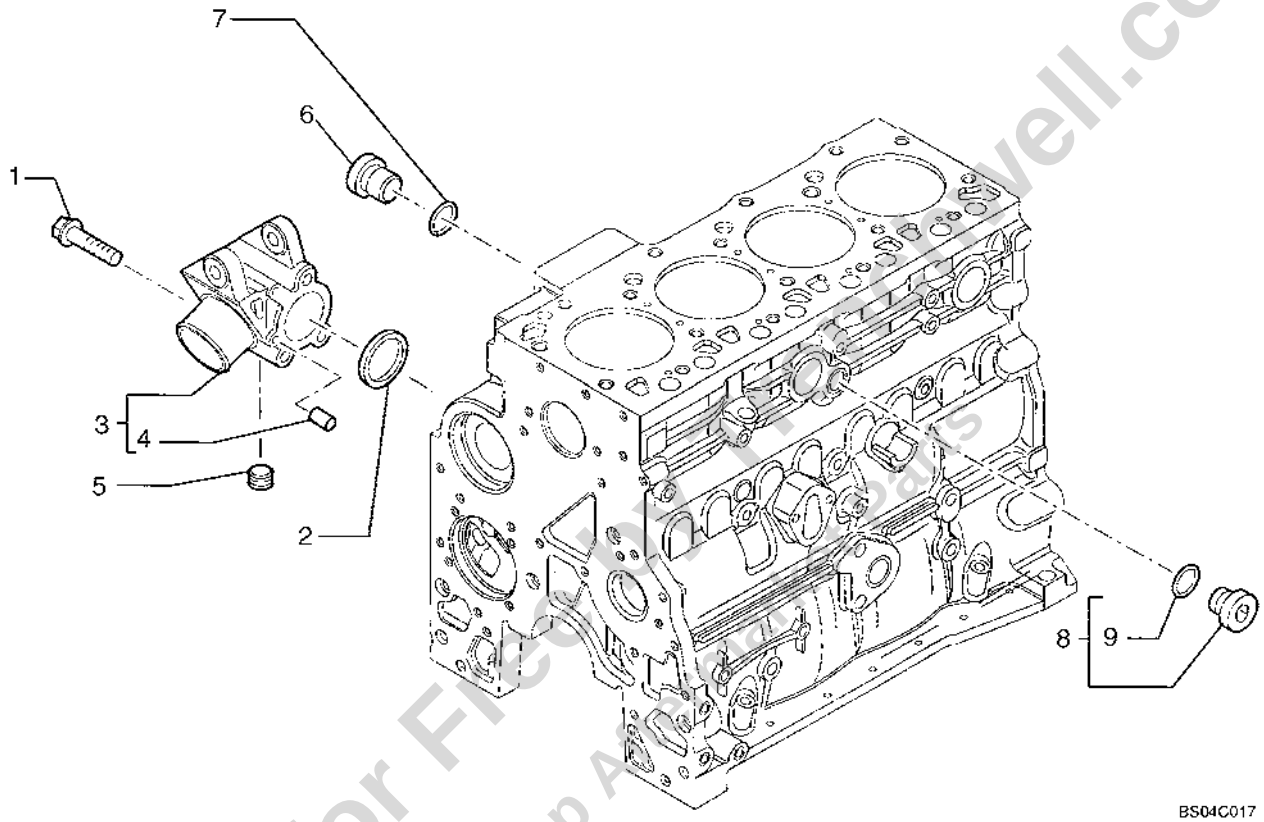
10.400.03		p1	10/10

COOLING SYSTEM - ENGINE (580N)



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COOLING SYSTEM - ENGINE (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899109		3	SCREW, Hex, M10 x 1.5 x 80
2		2854072		1	SEAL, Rectangular, 50mm ID x 5.16 Thk
3		2852145		1	SUPPORT, Incl. Ref 4
4		2830894		2	DOWEL, .25" OD x .625" L
5		2852511		1	PLUG
		4895392		1	HEX SOCKET PLUG, M18 x 1.5, Torque Converter Oil; Incl. Ref 6, 7
6		4895394		1	HEX SOCKET PLUG, M18 x 1.5
7		4895393		1	O-RING, 15.3mm ID x 2.2mm Width
8		4895623		1	HEX SOCKET PLUG, M16 x 1.5, Compressor Plumbing; Incl. Ref 9
9		4895625		1	O-RING, 13.3mm ID x 2.2mm Width

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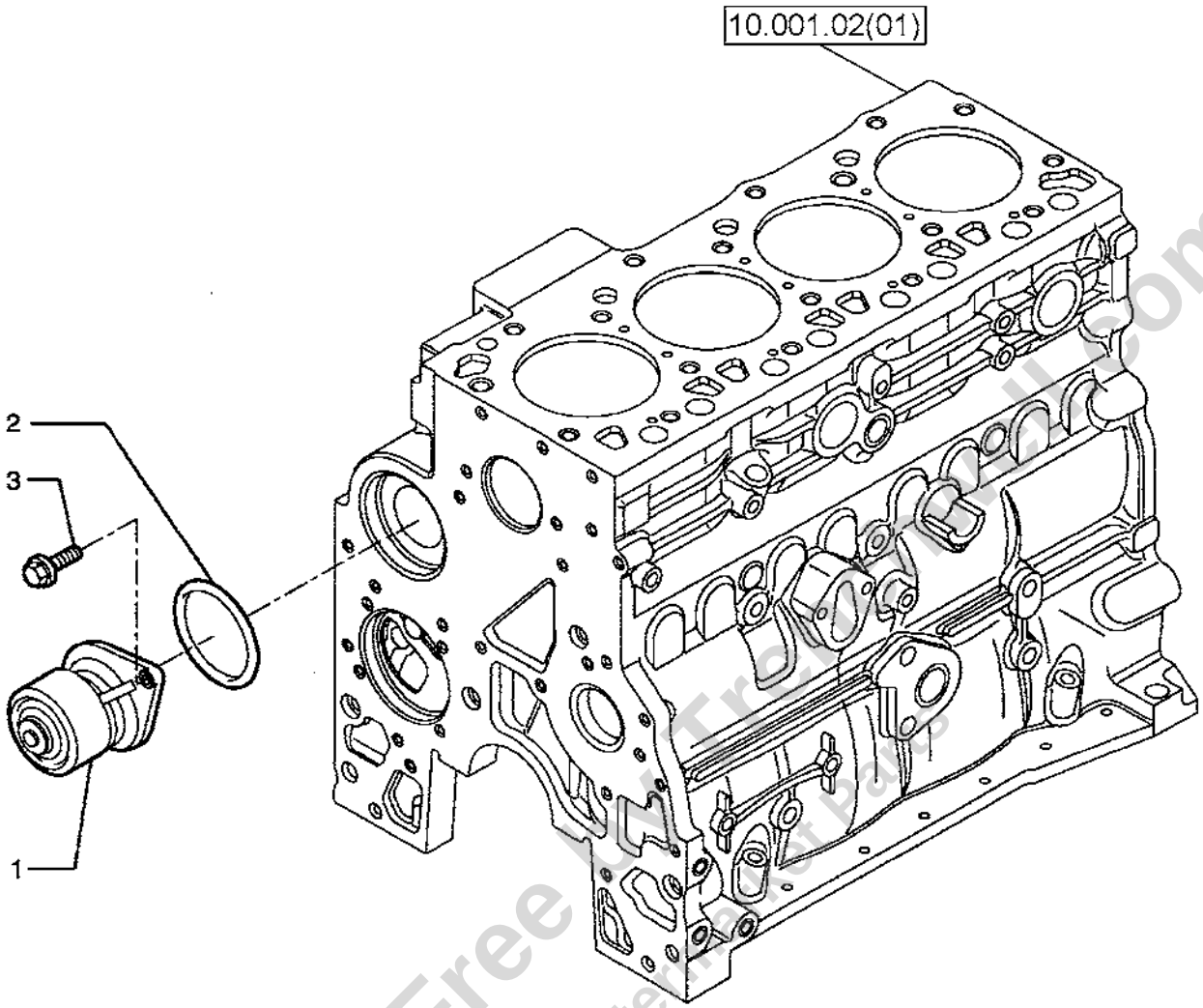
10.402.01		p1	10/10

WATER PUMP (580SN, 580SN WT, 590SN)



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WATER PUMP (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2852114		1	WATER PUMP
2		2852047		1	SEALRING
3		4899079		2	SCREW, Hex Flg, M8 x 1.25 x 25

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590SN 580SN WT
580SN

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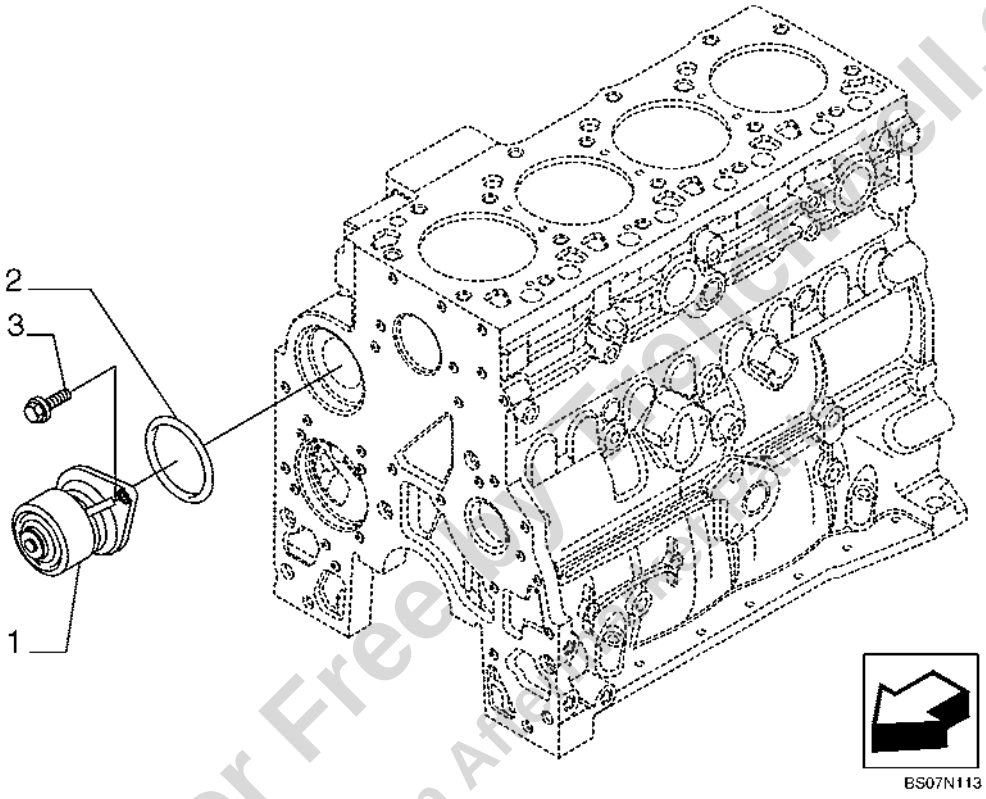
WATER PUMP (580N)



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WATER PUMP (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2852114		1	WATER PUMP, -ASSY IN ALTERNATIVE
1		4891252		1	WATER PUMP, -ASSY IN ALTERNATIVE
2		2852047		1	SEALRING
3		4899079		2	SCREW, Hex Flg, M8 x 1.25 x 25

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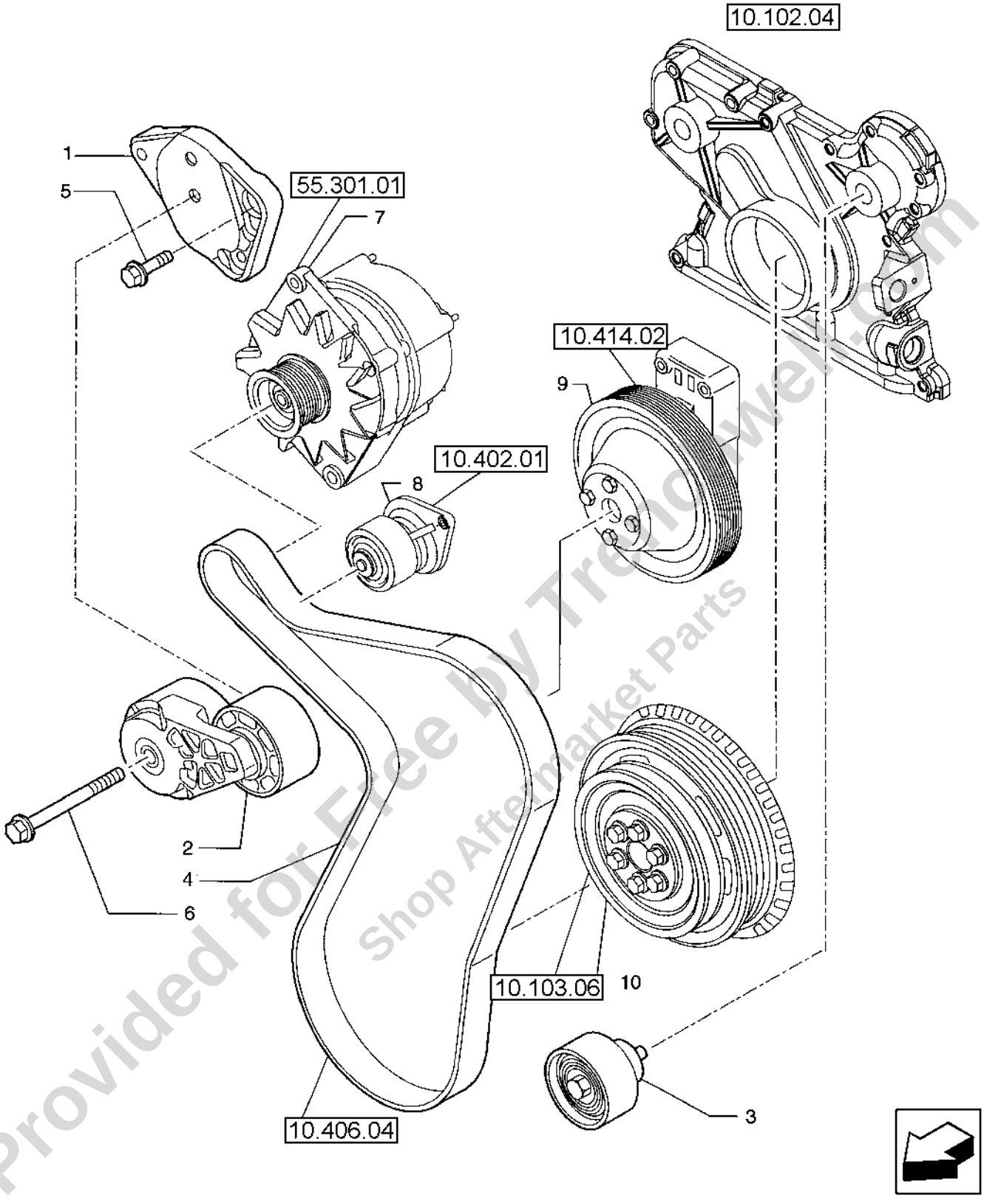
WATER PUMP - CONTROL (580SN, 580SN WT, 590SN)



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WATER PUMP - CONTROL (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2856530		1	BRACKET, Support
2		2852161		1	BELT TENSIONER
3		2852162		1	PULLEY
4		REF		1	INSTRUCTION, BELT
5		4899079		2	SCREW, Hex Flg, M8 x 1.25 x 25
6		4895292		1	FLANGE BOLT, Hex, M10 x 1.5 x 70
7		REF		1	INSTRUCTION, ALTERNATOR
8		REF		1	INSTRUCTION, PUMP Water
9		REF		1	INSTRUCTION, DRIVE Fan
10		REF		1	INSTRUCTION, PULLEY Crankshaft

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580SN WT 590SN
580SN

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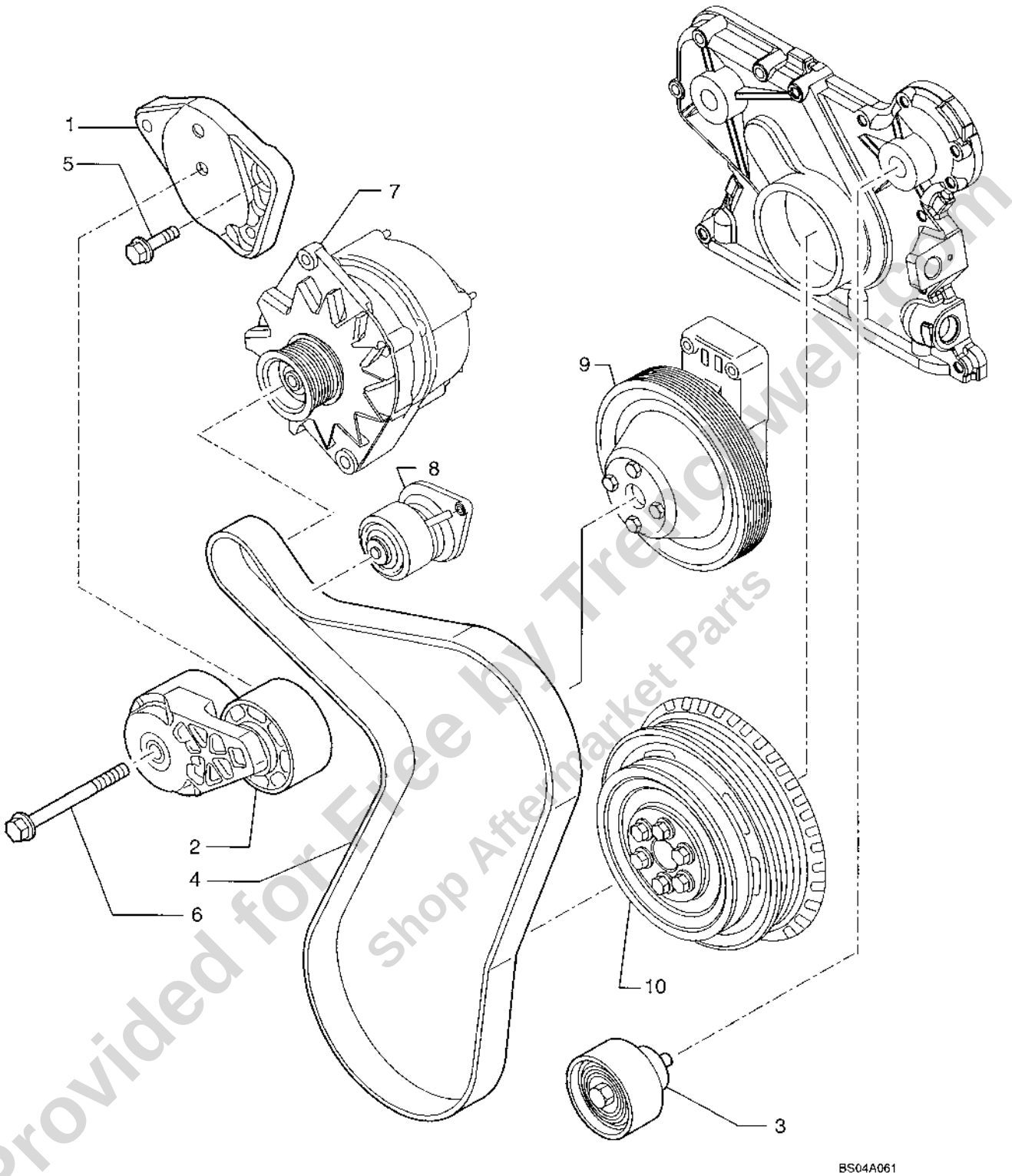
10.402.05		p1	04/11

WATER PUMP - CONTROL (580N)



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WATER PUMP - CONTROL (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		2854611		1	PULLEY, Inc 1-3, 5 & 6
1		2852163		1	BRACKET, Support
2		2852161		1	BELT TENSIONER
2		2855622		1	BELT TENSIONER, Alternate Part To 2852161
3		2852162		1	PULLEY, Pulley
4		87548076		1	BELT, 0.55" W x 47.95" L, 4 Ribs
5		4899079		2	SCREW, Hex Flg, M8 x 1.25 x 25
6		4899109		1	SCREW, Hex, M10 x 1.5 x 80
7		REF		1	INSTRUCTION, ALTERNATOR
8		REF		1	INSTRUCTION, WATER PUMP
9		REF		1	INSTRUCTION, FAN DRIVE
10		REF		1	INSTRUCTION, CRANKSHAFT PULLEY

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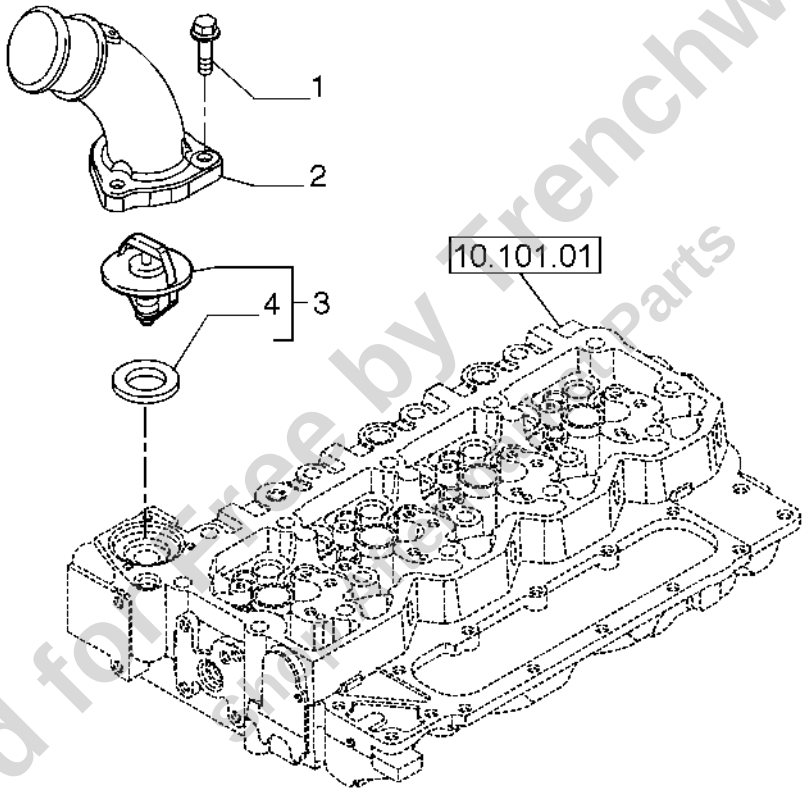
THERMOSTAT - ENGINE COOLING SYSTEM (580SN, 580SN WT, 590SN)



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THERMOSTAT - ENGINE COOLING SYSTEM (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899110		3	SCREW, Hex Flg, M6 x 1 x 20
2		2855823		1	COVER
3		2856543		1	THERMOSTAT
4		2852473		1	GASKET

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590SN 580SN WT
580SN

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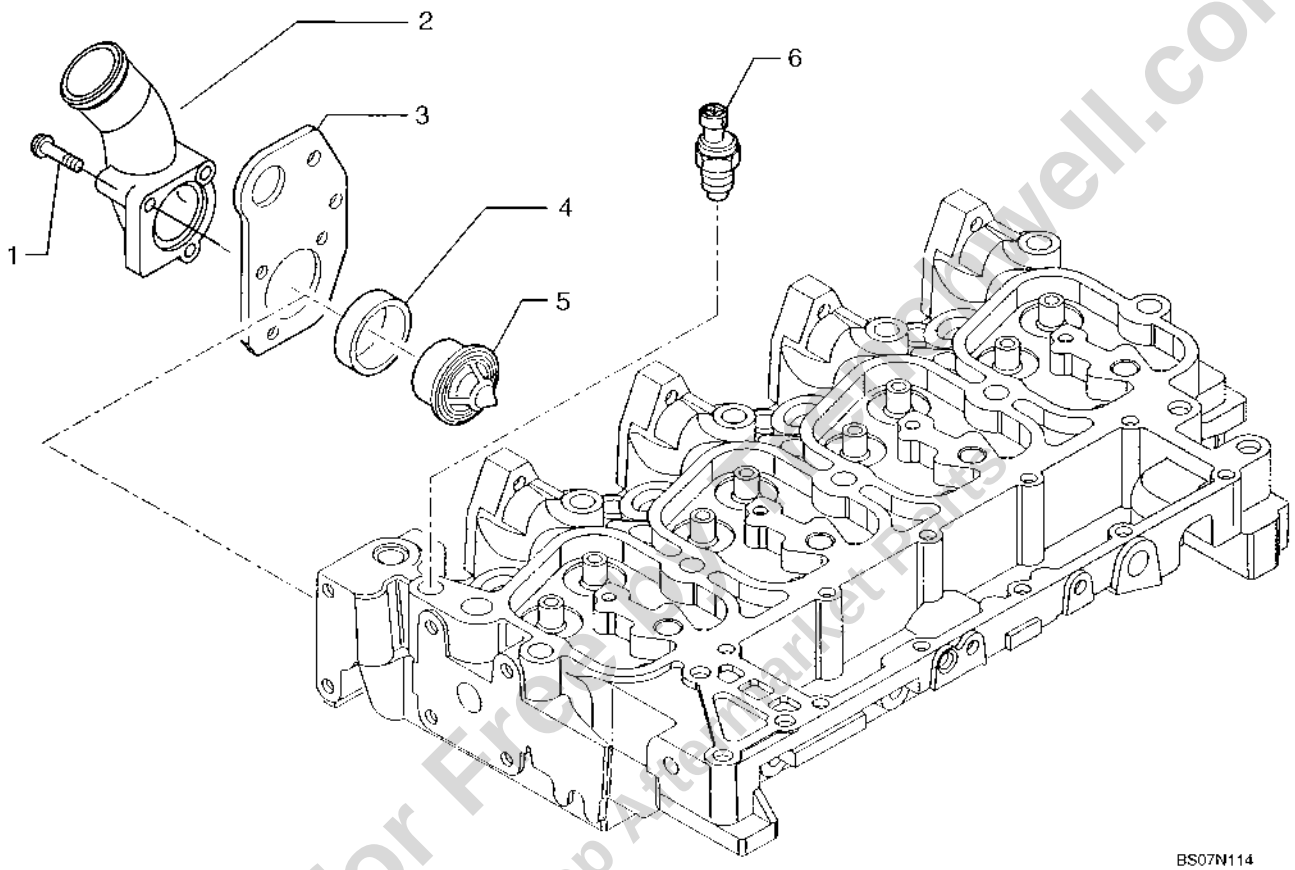
THERMOSTAT - ENGINE COOLING SYSTEM (580N)



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THERMOSTAT - ENGINE COOLING SYSTEM (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2852151		1	SCREW, Flange; M8 x 35
1		2852155		2	SCREW, Flange; M8 x 80
2		2852153		1	ELBOW, Thermostat Housing
3		2855894		1	BRACKET
4		2853133		1	GASKET
5		2858050		1	THERMOSTAT, Kit; Includes 2852473
		2852473		1	GASKET
6		2852157		1	SENSOR, Water; Grid Heater

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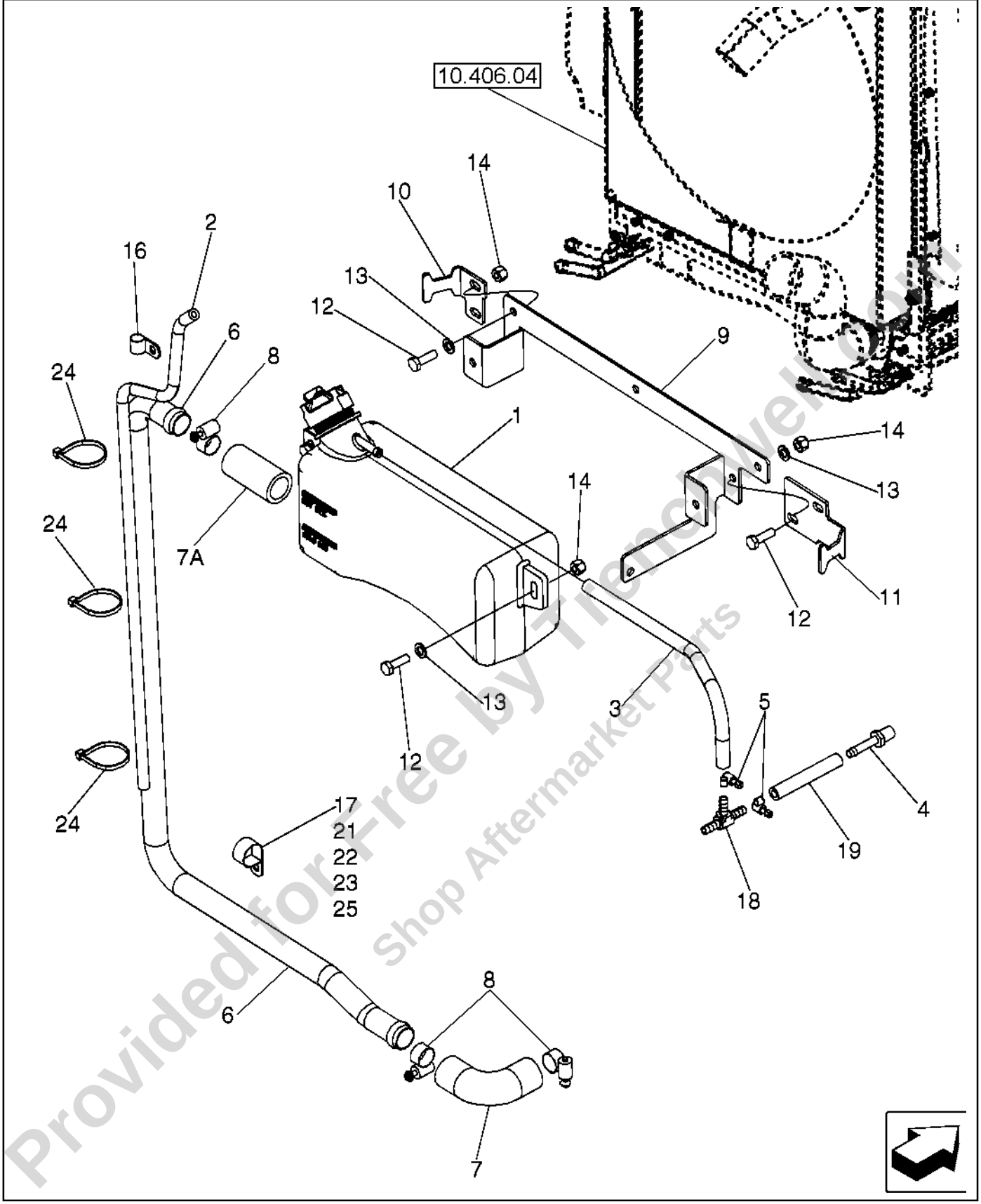
DEAERATION SYSTEM - MOUNTING



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DEAERATION SYSTEM - MOUNTING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87674844		1	COOLANT EXPANSION RESERVOIR, Deaeration, 3.0 Liters; Includes 85803019 Cap
		85803019		1	FILLER CAP, 13 psi
2		87616934		1	HOSE, 6.35 mm ID x 750.00 mm, SAE 30R6, Overflow
3		87715487		1	RADIATOR HOSE, 7.90 mm ID x 440.00 mm, SAE J30, SAE 30R6 Or SAE 20 R4 Class D1, Recovery; Reservoir to Tee; 580N
3		87715652		1	HOSE, 7.90 mm ID, SAE J30, SAE 30R6 Or SAE 20R4 Class D1, Recovery; Reservoir to Tee; 580SN, 580SN WT, 590SN
4		87301325		1	FITTING, 5/16" Hose X 1/4" NPTF Beaded
5		214-1704		4	HOSE CLAMP, #4, 0.25/0.62 Type M Worm
6		87557237		1	TUBE, 1" OD
7		87454376		1	HOSE
7A		87367622		1	HOSE, 25.40 mm ID x 60.00 mm, SAE 20R3 CLASS D-1 Or D-2
8		214-1416		4	HOSE CLAMP, #16, 0.81/1.50 Type F Worm
9		87632870		1	BRACKET, Bottle Retaining
10		87548813		1	BRACKET, LH; 580SN, 580SN WT, 590SN
11		87548814		1	BRACKET, RH; 580SN, 580SN WT, 590SN
12		614-8025		7	BOLT, Hex, M8 x 25, 8.8
13		895-11008		7	WASHER, M8 x 16 x 1.6
14		832-10408		7	LOCK NUT, M8 x 1.25, Cl 8
16		515-22254		1	CLAMP, 1", Insul, 5/16" Bolt
17		515-22127		1	CLAMP, 1/2", Insul, 5/16" Bolt
18		87721028		1	TEE
19		87721260		1	RADIATOR HOSE, 7.90 mm ID x 90.00 mm, SAE 30R6 Or SAE 20R4 Class D1, Tee to Radiator
21		614-8040		1	BOLT, Hex, M8 x 40, 8.8, Full Thd
22		87418360		1	SPACER, 8 x 16 mm
23		895-11008		1	WASHER, M8 x 16 x 1.6
24		L18337		3	CABLE STRAP, 9.95"-12.1" lg
25		832-10408		1	LOCK NUT, M8 x 1.25, Cl 8

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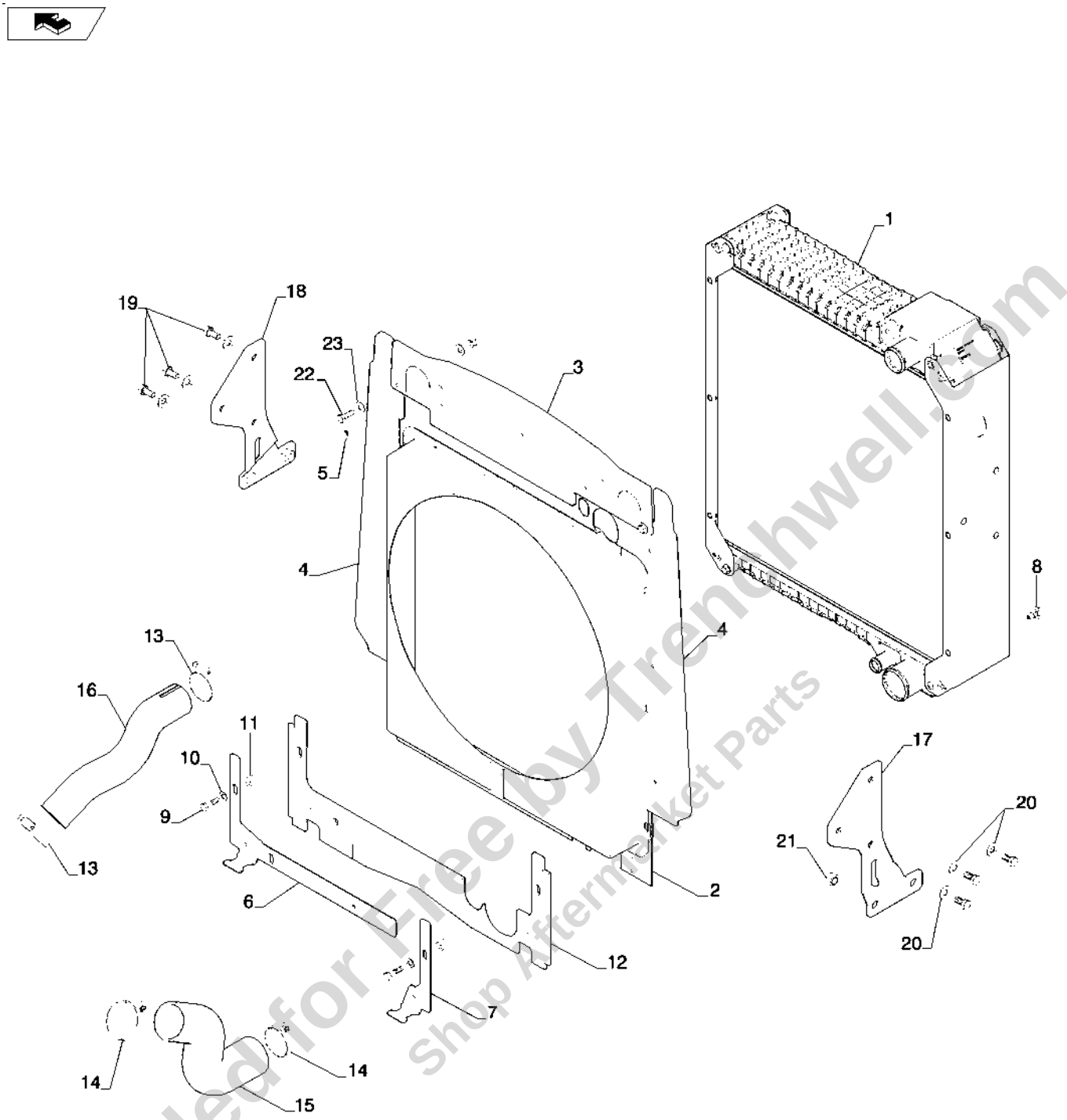
RADIATOR - MOUNTING (580N)



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RADIATOR - MOUNTING (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87576643		1	RADIATOR, 580N, 580SN (Without A/C), 580SN WT (Without A/C)
1		87576645		1	RADIATOR, 580SN (With A/C), 580SN WT (Without A/C), 590SN
2		87559003		1	SHROUD
3		87628324		1	RUBBER SEAL
4		87628308		2	RUBBER SEAL
5		87301355		6	RIVET, Pop, 3/16" x .575"
6		87446082		1	RETAINING PLATE
7		87446081		1	RETAINING PLATE
8		76904		1	VALVE
9		614-8030		2	BOLT, Hex, M8 x 30, 8.8
10		895-11008		6	WASHER, M8 x 16 x 1.6
11		407962A1		2	SPACER
12		87434978		1	RUBBER SEAL
13		87647029		1	HOSE CLAMP
14		214-1440		1	HOSE CLAMP, #40, 2.06/3.00 Type F Worm
15		87454378		1	RADIATOR HOSE, 57.15 mm ID x 217.70 mm, SAE 20R4 CLASS D-1
16		87454377		1	HOSE,LARGE, 45.00 mm ID x 289.50 mm, SAE 20R4 CLASS D-1
17		87608368		1	BRACKET, SUPPORTING
18		87608370		1	BRACKET, SUPPORTING
19		614-10020		6	BOLT, Hex, M10 x 20, 8.8, Full Thd
20		895-15010		6	WASHER, M11 x 24 x 2
21		832-10408		10	LOCK NUT, M8 x 1.25, Cl 8
22		614-8025		9	BOLT, Hex, M8 x 25, 8.8
23		895-15008		16	WASHER, M8 x 20 x 1.6

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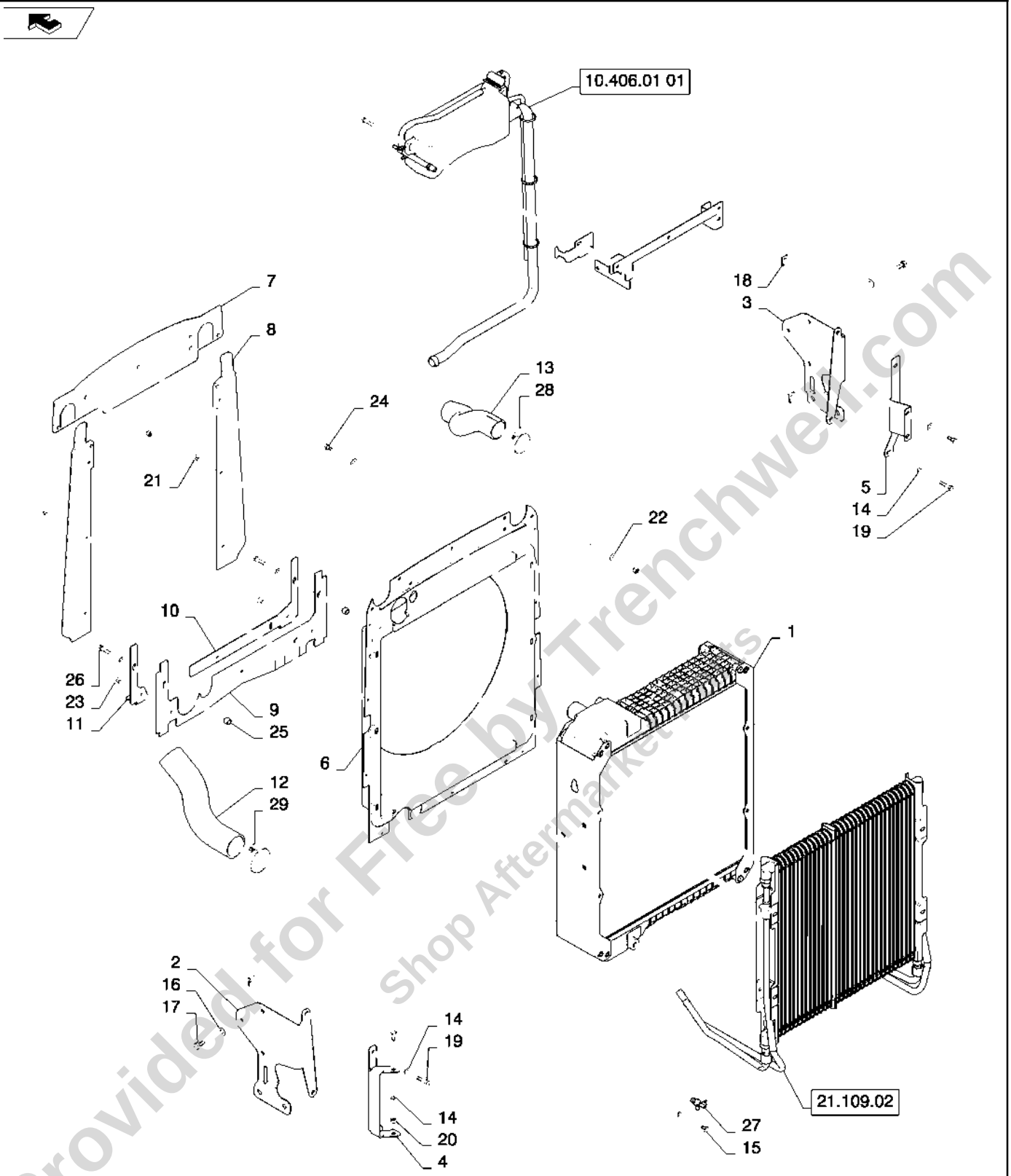
10.406.04	02	p1	08/11

RADIATOR - MOUNTING (580SN, 580SN WT, 590SN)



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RADIATOR - MOUNTING (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87576643		1	RADIATOR, 3-Row; 580SN (Without A/C), 580SN WT (Without A/C)
1		87576645		1	RADIATOR, 5-Row; 580SN (With A/C), 580SN WT (With A/C), 590SN
2		87602286		1	BRACKET, RH Radiator; With CAC Support
3		87602287		1	BRACKET, LH Radiator; With CAC Support
4		87606977		1	PIVOT BRACKET, Condenser
5		87606979		1	BRACKET, LH Condenser Support
6		87559003		1	SHROUD, Fan
7		87628324		1	RUBBER SEAL, Top Radiator
8		87628308		2	RUBBER SEAL, Side Radiator
9		87434978		1	RUBBER SEAL, Lower Radiator
10		87446082		1	RETAINING PLATE, LH Lower Shroud
11		87446081		1	RETAINING PLATE, RH Lower Shroud
12		87454378		1	RADIATOR HOSE, 57.15 mm ID x 217.70 mm, SAE 20R4 CLASS D-1, Upper
13		87528978		1	RADIATOR HOSE, 45.00 mm ID x 76.50 mm, SAE J20, SAE 20 R4 Class C, Lower
14		895-11008		6	WASHER, M8 x 16 x 1.6
15		614-8012		4	BOLT, Hex, M8 x 12, 8.8, Full Thd
16		895-15010		6	WASHER, M11 x 24 x 2
17		614-10020		6	BOLT, Hex, M10 x 20, 8.8, Full Thd
18		833-40408		6	NUT, M8, U
19		614-8035		4	BOLT, Hex, M8 x 35, 8.8
20		832-10408		3	LOCK NUT, M8 x 1.25, Cl 8
21		87301355		6	RIVET, Pop, 3/16" x .575"
22		895-15008		14	WASHER, M8 x 20 x 1.6
23		87301356		3	RIVET, Pop, 3/16" x .700"
24		806-8016		4	BOLT, Hex, Lock, M8 x 16, Cl 10.9
25		407962A1		2	SPACER
26		614-8030		2	BOLT, Hex, M8 x 30, 8.8
27		76904		1	VALVE, Radiator Drain
28		87647029		1	HOSE CLAMP, 40-64 mm
29		214-1440		1	HOSE CLAMP, #40, 2.06/3.00 Type F Worm

580SN WT 580SN 590SN

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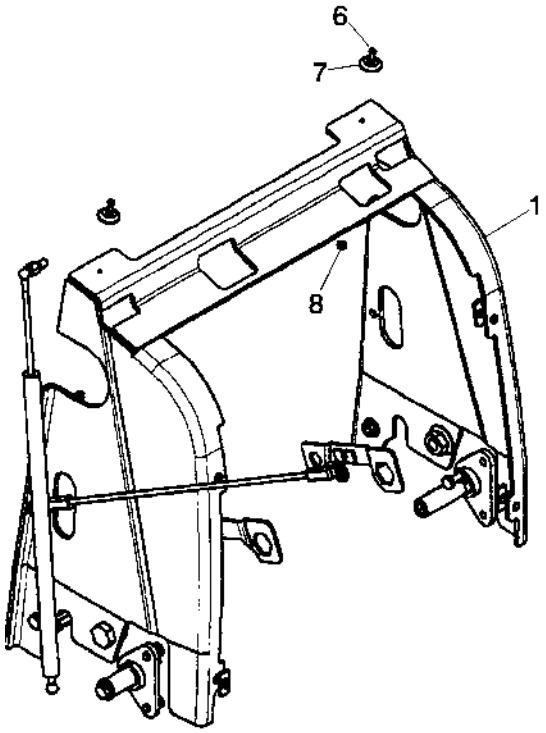
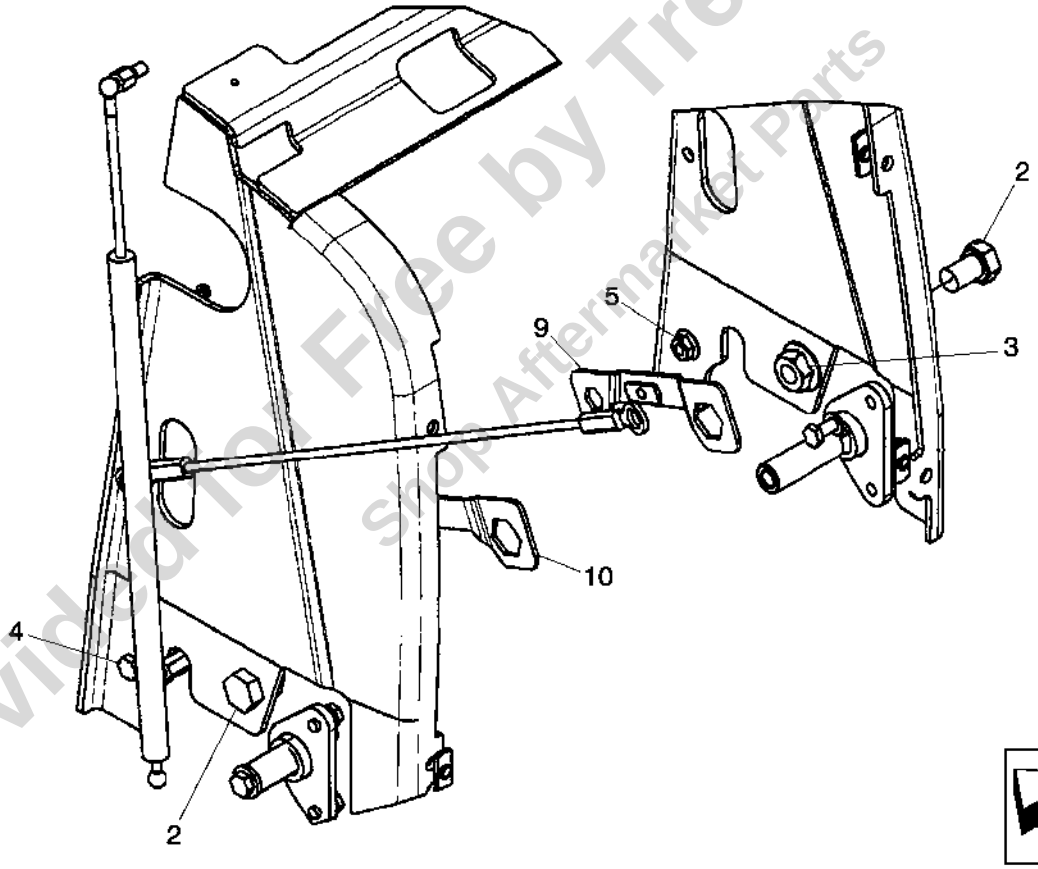
RADIATOR WRAPPER





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RADIATOR WRAPPER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87719412		1	HOUSING, Wrapper
2		614-20030		2	BOLT, Hex, M20 x 30, 8.8, Full Thd
3		829-2420		2	NUT, M20 x 2.5, Flg, Cl 10
4		614-12030		2	BOLT, Hex, M12 x 30, 8.8
5		829-2412		2	NUT, M12 x 1.75, Flg, Cl 10
6		440-11012		2	SCREW, Cross Pan Hd, #10-24 x 3/4"
7		109879A1		2	SPACER, Hood; Plastic
8		231-14109		2	LOCK NUT, #10-24, GB
9		87725886		1	RETAINER
10		87725883		1	RETAINER

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580N 580SN WT
590SN 580SN

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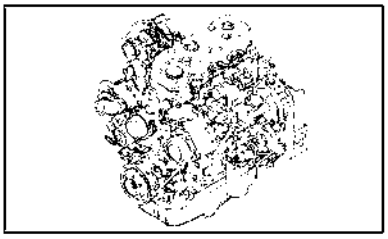
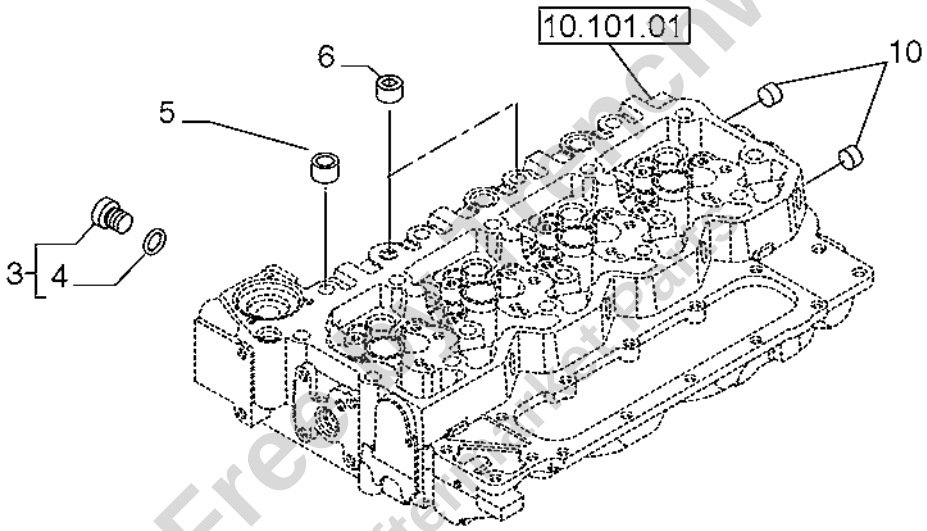
PIPING - ENGINE COOLING SYSTEM (580SN, 580SN WT, 590SN)





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PIPING - ENGINE COOLING SYSTEM (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
3		4895080		1	HEX SOCKET PLUG, M22 x 1.5, Incl. 4
4		4895082		1	O-RING, 19.3mm ID x 2.2mm Width
5		4892762		1	PLUG
6		4895078		2	PIPE PLUG, 1/2"-14
10		4893036		3	PIPE PLUG, 3/4"-14 NPTF

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590SN 580SN WT
580SN

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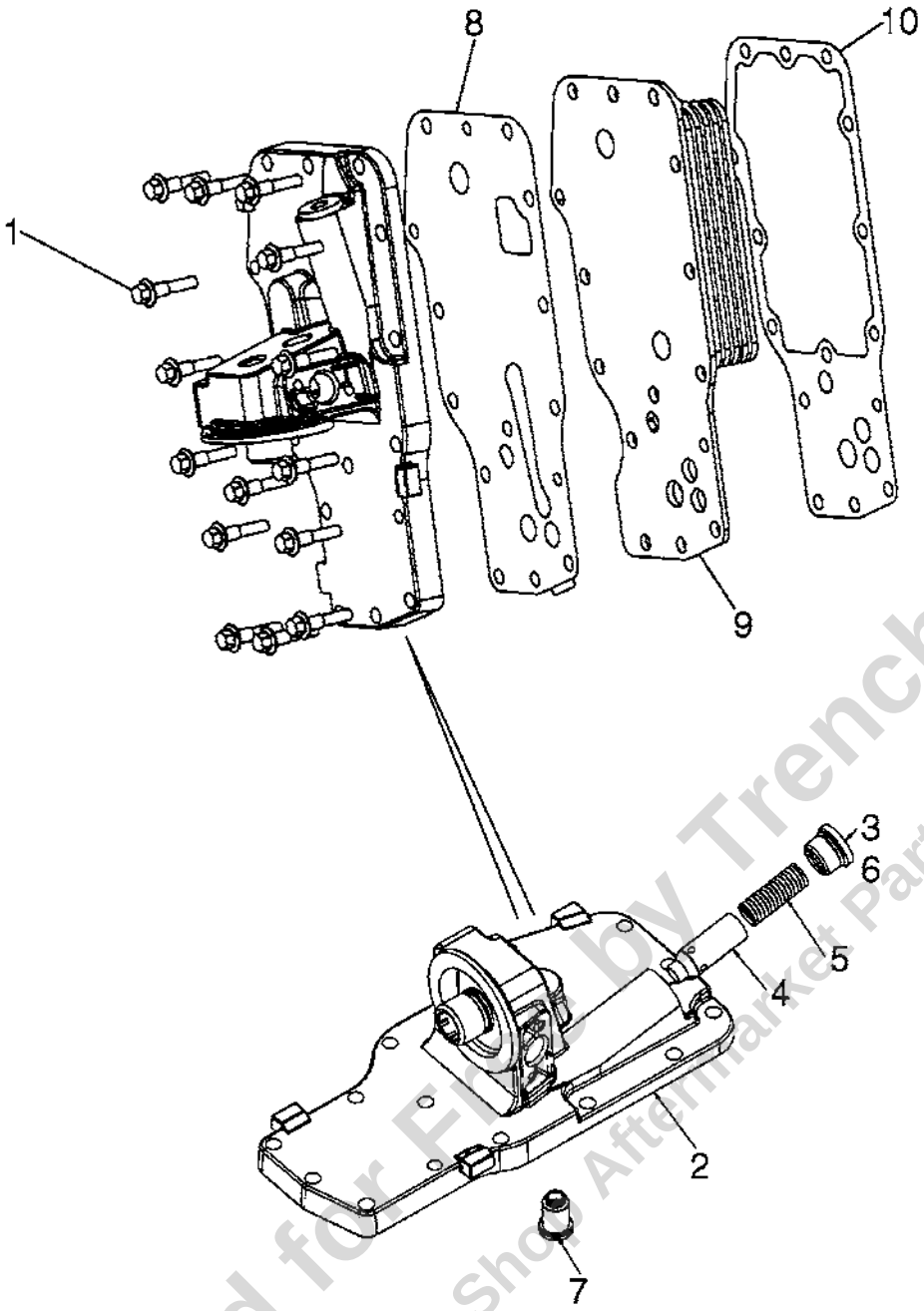
10.408.01		p1	10/10

OIL FILTER AND COOLER (580SN, 580SN WT, 590SN)



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OIL FILTER AND COOLER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899019		15	SCREW, Hex Flg, M8 x 1.25 x 35
		2853780		1	ENGINE OIL FILTER, HOUSING ASSY Incl. 2 - 7
2		4899566		1	HOUSING
3		2853781		1	PLUG, Incl. 6
4		4896404		1	PLUNGER, Pressure Reg.
5		4895045		1	SPRING
6		4899035		1	O-RING, 18.39mm ID x 2.69mm Width
7		4896410		1	PRESSURE RELIEF VALVE
8		4896409		1	GASKET
9		2853722		1	HEAT EXCHANGER
10		2830559		1	GASKET

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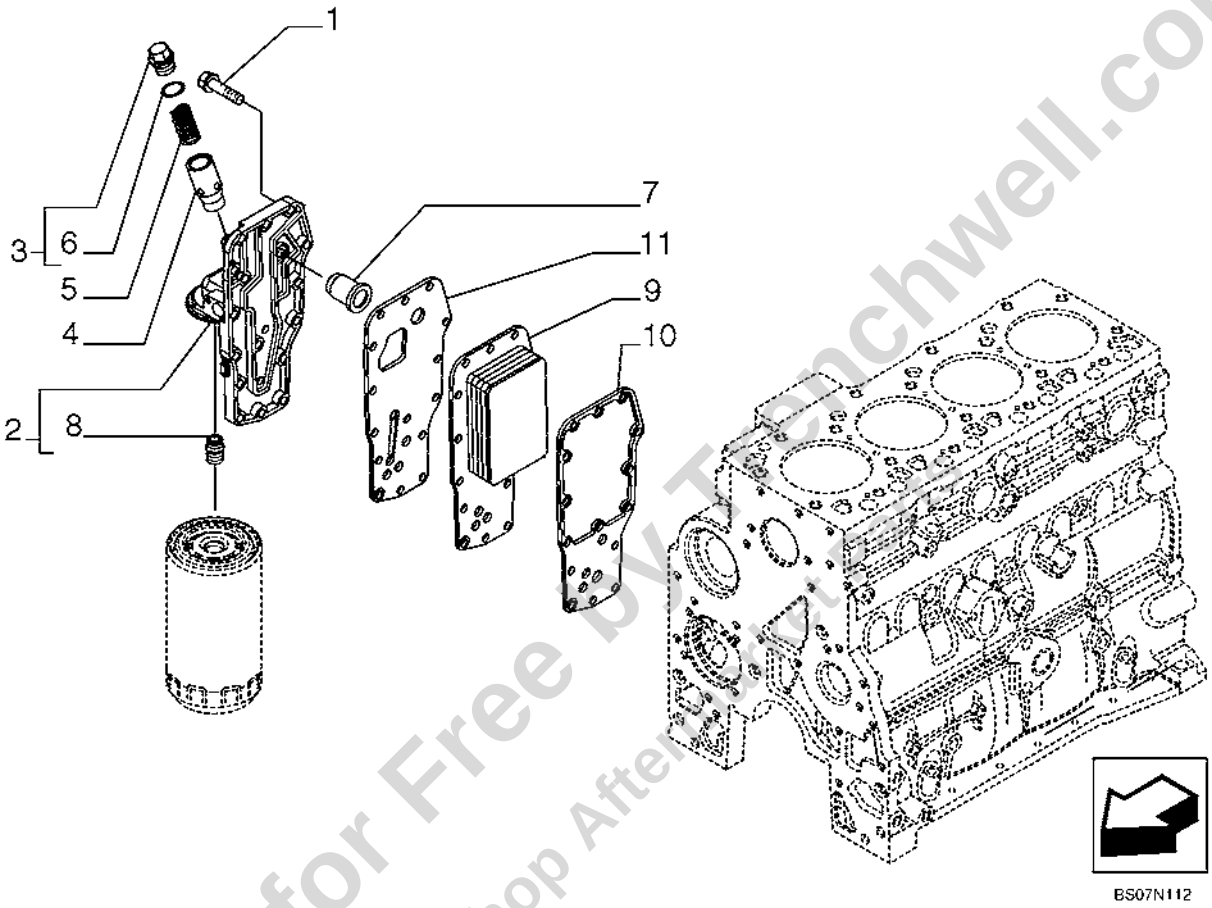
HEAT EXCHANGER - ENGINE (580N)



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HEAT EXCHANGER - ENGINE (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899019		15	SCREW, Hex Flg, M8 x 1.25 x 35
		2853782		1	ENGINE OIL FILTER, Incl. Refs. 2, 4, 5, 7, 8
2		4899643		1	ENGINE OIL FILTER, Incl. Ref 8
3		2853781		1	PLUG
4		4896404		1	PLUNGER
5		4895045		1	SPRING
6		17916280		1	GASKET, M18.39 ID x 2.69 Thk
7		4896410		1	PRESSURE RELIEF VALVE
8		4893391		1	ADAPTER, M24 x 2 x M27 x 2
9		2853722		1	HEAT EXCHANGER
10		2830559		1	GASKET
11		4896409		1	GASKET

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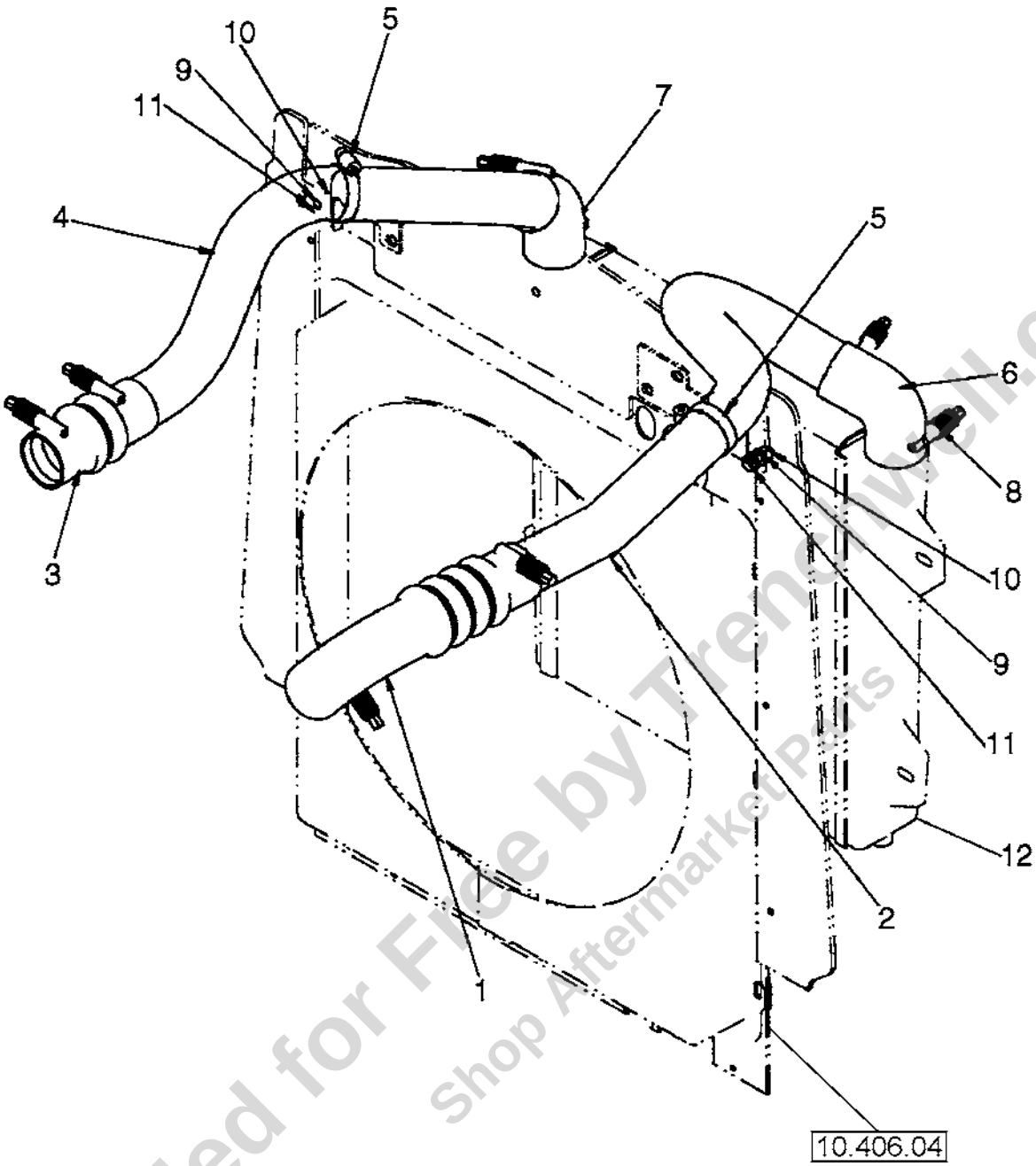
10.408.07		p1	10/10

COOLER, CHARGE AIR AND HOSES (580SN, 580SN WT, 590SN)



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COOLER, CHARGE AIR AND HOSES (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87367626		1	AIR HOSE
2		87554293		1	AIR INTAKE TUBE
3		86994498		1	AIR HOSE, 50.80 mm ID x 127.00 mm
4		87525807		1	TUBE, 50.8 mm OD x 321.1, 316.2 mm L
5		87647029		2	HOSE CLAMP
6		87548811		1	ELBOW
7		87548812		1	ELBOW
8		254026A1		8	HOSE CLAMP
9		895-11008		4	WASHER, M8 x 16 x 1.6
10		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
11		614-8025		2	BOLT, Hex, M8 x 25, 8.8
12		87611122		1	COOLER, Charge Air

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590SN 580SN WT
580SN

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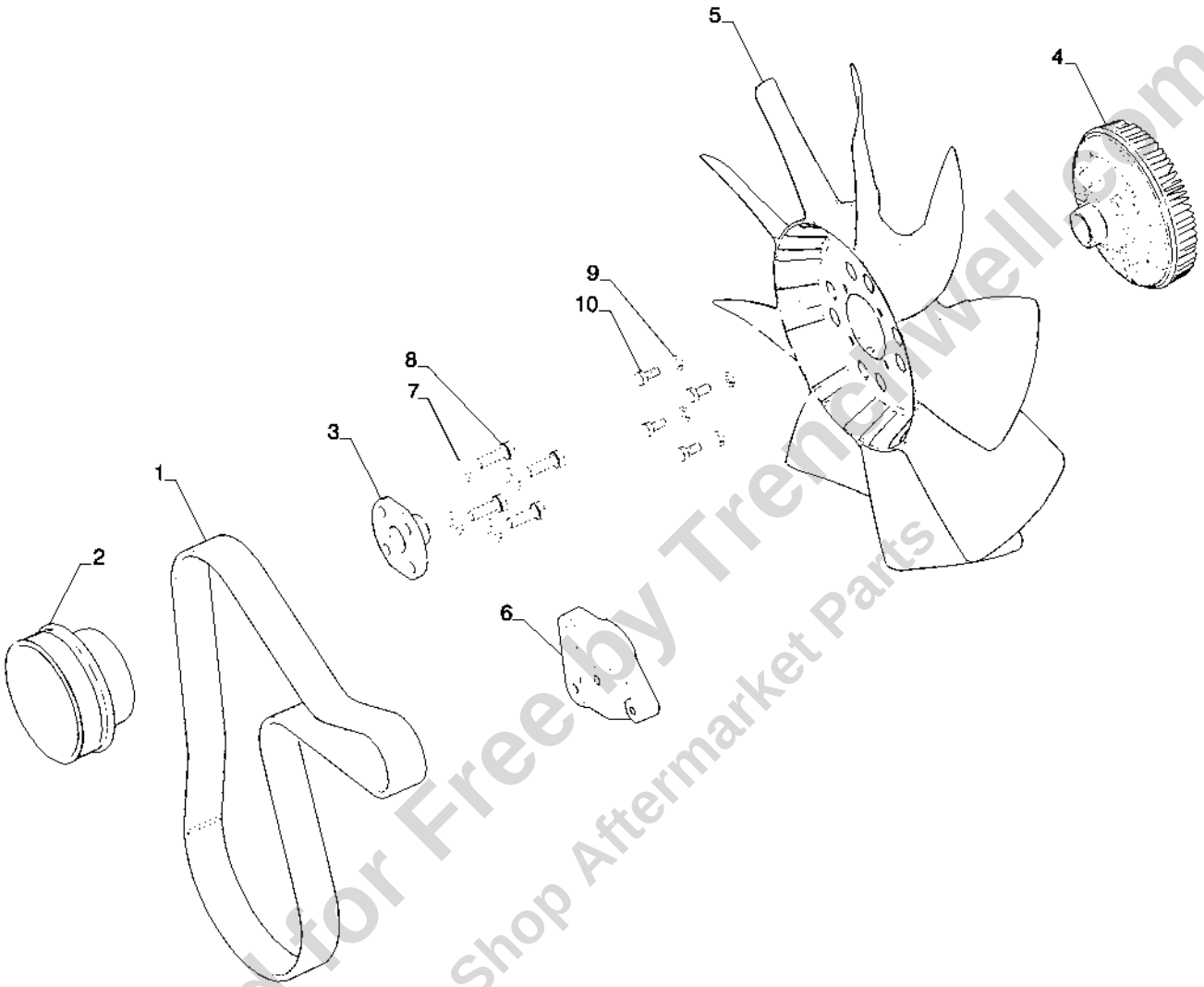
ENGINE FAN - 9 BLADE (VISCOUS)



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ENGINE FAN - 9 BLADE (VISCOUS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84278183		1	BELT
2		4890343		1	PULLEY
3		303192A1		1	ADAPTER
4		87340008		1	DRIVE
5		277800A1		1	FAN, 500mm 9 Blade
6		84147468		1	BRACKET, SUPPORTING
7		87655046		4	SPECIAL WASHER
8		614-10030		4	BOLT, Hex, M10 x 30, 8.8
9		892-11008		4	LOCK WASHER, M8
10		614-8016		4	BOLT, Hex, M8 x 16, 8.8

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ENGINE FAN - 7BLADE (NON VISCOUS)

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ENGINE FAN - 7BLADE (NON VISCOUS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87353191		1	SPACER
2		228133A2		1	FAN, 500mm, 39 Degree
2		185377A1		1	FAN, 499mm, 33 degree
3		87655046		4	SPECIAL WASHER
4		814-10090		4	BOLT, Hex, M10 x 90, 8.8
5		84278184		1	BELT

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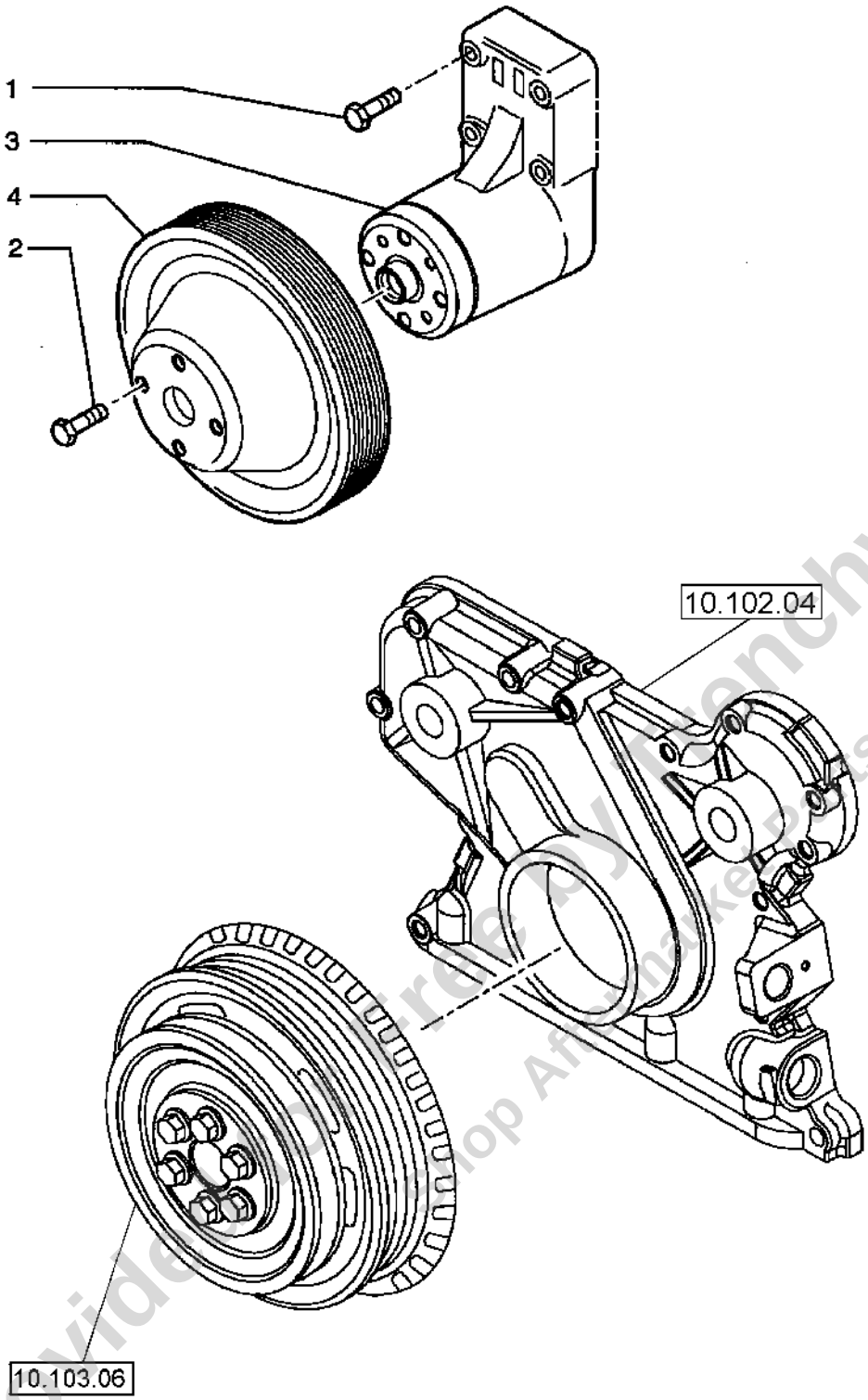
FAN DRIVE (580SN, 580SN WT, 590SN)



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FAN DRIVE (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899053		4	SCREW, Hex Flg, M8 x 45
2		4895291		4	SCREW, Hex Flg, M10 x 1.5 x 20
3		2852170		1	SUPPORT, Incl. (1) 2852171 Split Ring, (1) 2852172 Screw, (1) 4892732 Bearing, (1) 4892426 Hub, (1) 4890732 Hub Retainer
		2852171		1	SNAP RING
		2852172		1	SCREW
		4892732		1	BALL BEARING, 34 mm ID x 64 mm OD x 37 mm
		4892426		1	HUB
		4890732		1	RETAINER, Hub
4		4895301		1	PULLEY

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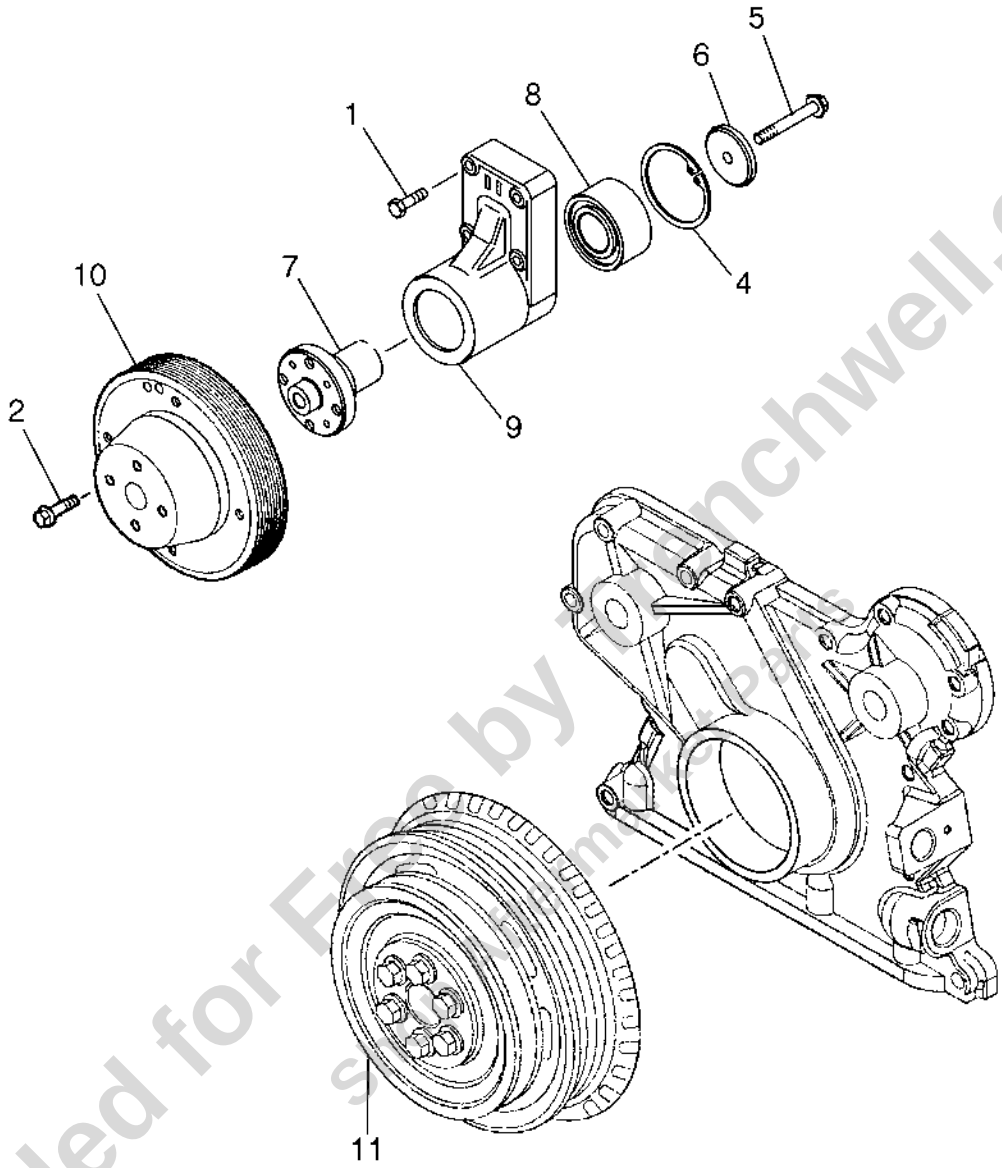
FAN DRIVE (580N)



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FAN DRIVE (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		4899053		4	SCREW, Hex Flg, M8 x 45
2		4895291		4	SCREW, Hex Flg, M10 x 1.5 x 20
3		2852170		1	SUPPORT, Inc 4 - 9
4		2852171		1	SNAP RING
5		2852172		1	SCREW
6		4892732		1	BALL BEARING, 34 mm ID x 64 mm OD x 37 mm
7		4892426		1	HUB
8		4890732		1	RETAINER, Hub
9		NSS		1	NOT SERVICED SEPARATELY, Support
10		4895301		1	PULLEY
11		REF		1	INSTRUCTION, CRANKSHAFT PULLEY

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21.300.00		DRIVESHAFT - REAR AXLE (580N, 580SN)

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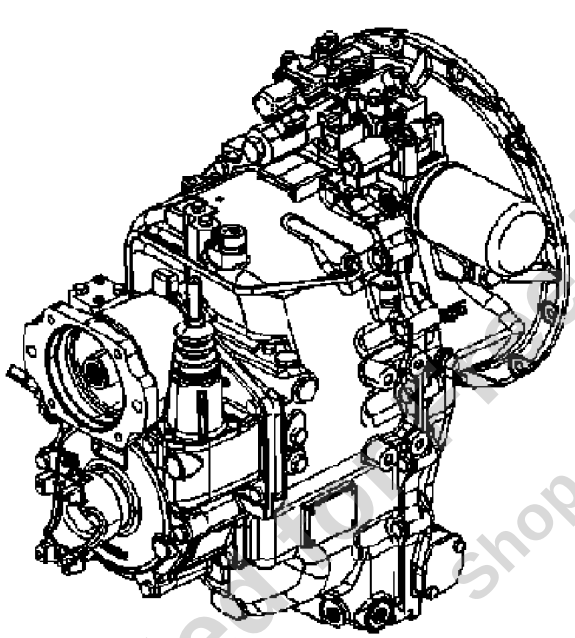
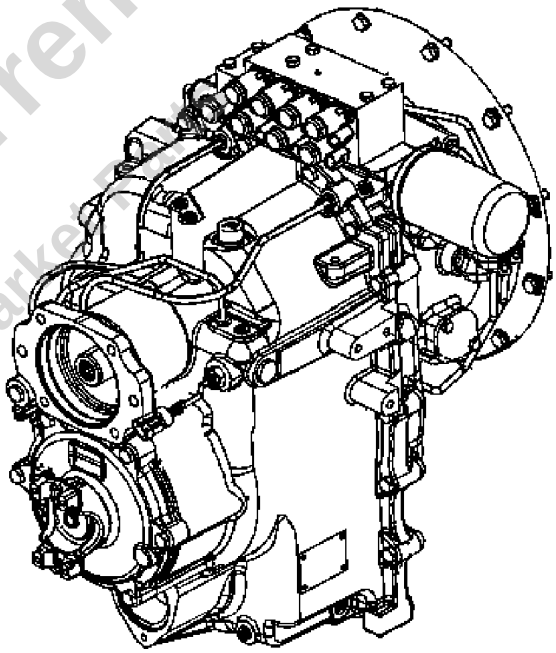
PICTORIAL INDEX - TRANSMISSION



21.112.01(01)



21.113.01

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PICTORIAL INDEX - TRANSMISSION

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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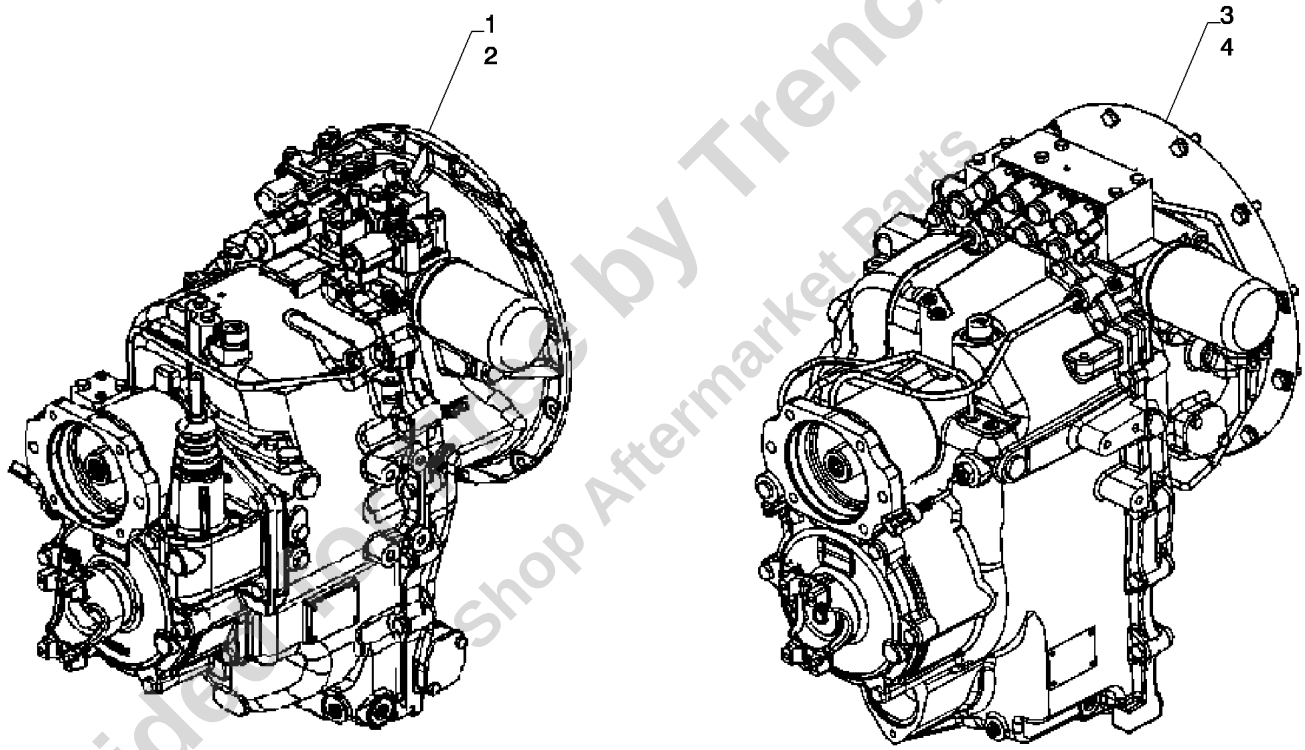
TRANSMISSION ASSEMBLY



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TRANSMISSION ASSEMBLY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87395300		1	TRANSMISSION, Standard 2WD
1		87395300R		1	REMAN-TRANSMISSION
1		87395300C		1	CORE-TRANSMISSION
2		87395301		1	TRANSMISSION, Standard 4WD
2		87395301R		1	REMAN-TRANSMISSION
2		87395301C		1	CORE-TRANSMISSION
3		84327511		1	TRANSMISSION, Powershift S type 2WD
3		84327511R		1	REMAN-TRANSMISSION
3		84327511C		1	CORE-TRANSMISSION
4		84327512		1	TRANSMISSION, Powershift S type 4WD
4		84327512R		1	REMAN-TRANSMISSION, 580N, 580SN, 580SN WT, 590SN, All w/ SPS Transmission, N.A. Only
4		84327512C		1	CORE-TRANSMISSION, Return Number, For N.A. Only
5		87567534		1	TRANSMISSION, Powershift H type

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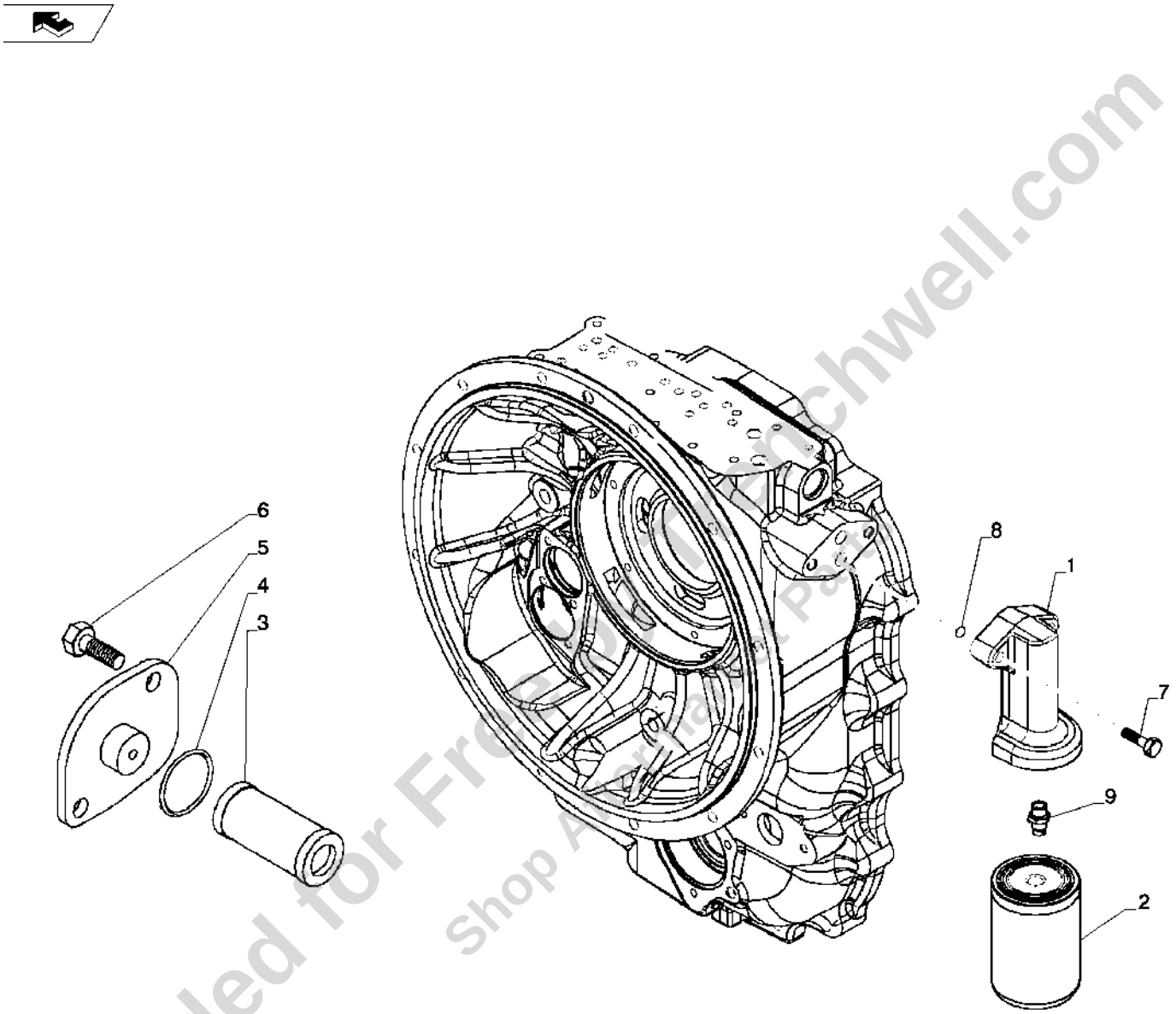
TRANSMISSION- 2WD / 4WD POWERSHIFT S TYPE, SPS - FILTER, OIL



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TRANSMISSION- 2WD / 4WD POWERSHIFT S TYPE, SPS - FILTER, OIL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84336851		1	FILTER HEAD
2		254686A2		1	FILTER
3		278534A1		1	FILTER SCREEN
4		100748A1		1	O-RING, 1.421" ID x 1.699" OD x 0.139"
5		84301332		1	COVER
6		120104		2	SCREW, Hex, M8 x 1.25 x 20.00mm, Cl 8.8, ZND
7		814-10045		2	BOLT, Hex, M10 x 45, 8.8
8		181141A1		2	O-RING, 17.12mm ID x 2.62mm Width
9		181202A1		1	FITTING

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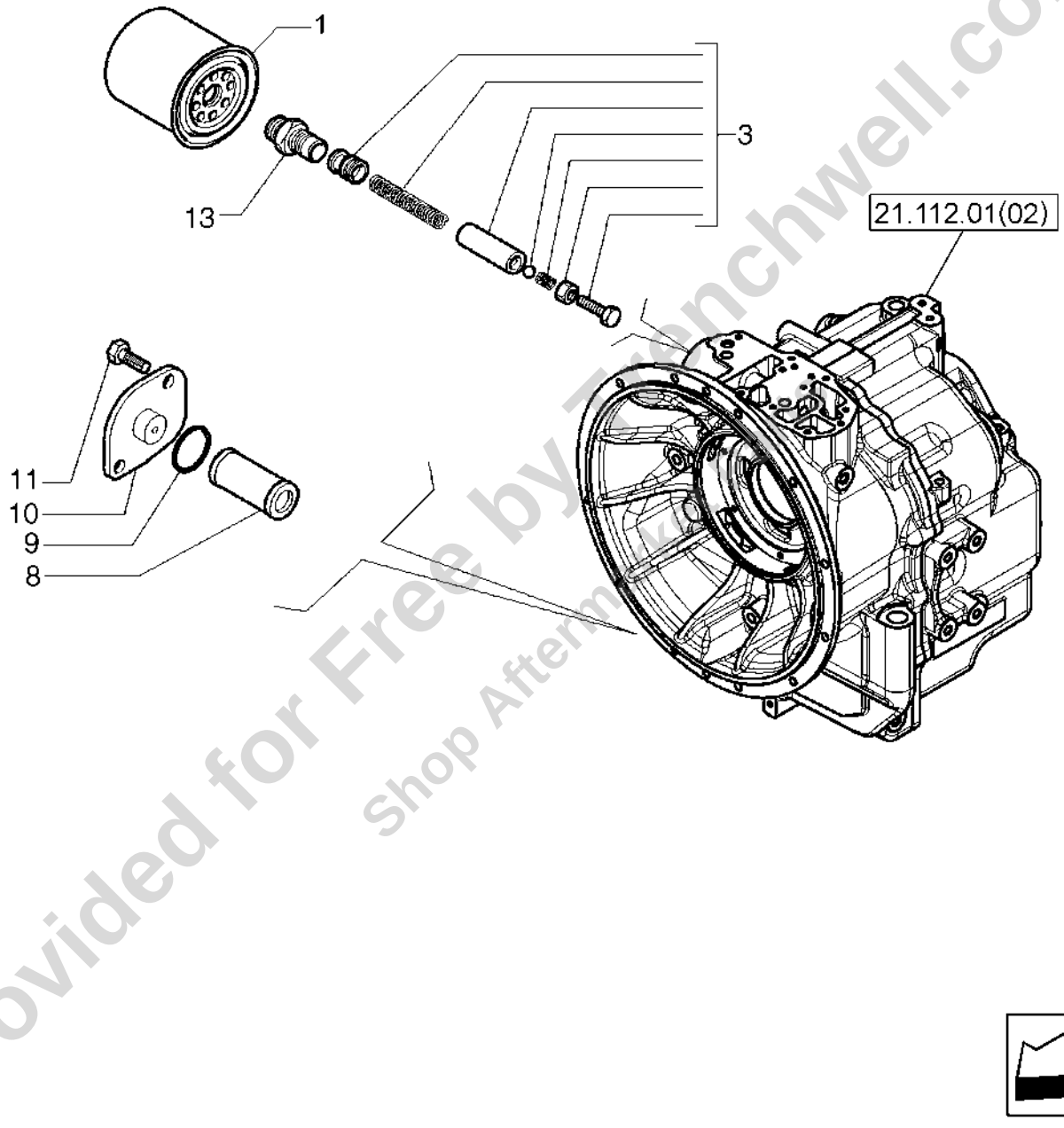
21.104.03	01	p1	10/10

TRANSMISSION - 2WD - FILTER, OIL



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TRANSMISSION - 2WD - FILTER, OIL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395300		1	TRANSMISSION, Two Wheel Drive, Incl. Ref 1 - 13
		87395300R			REMAN-TRANSMISSION, Remanufactured, 2WD, N.A. Only
		87395300C			CORE-TRANSMISSION, Return Number, 2WD, N.A. Only
1		254686A2		1	FILTER, Oil
3		181274A1		1	REPAIR KIT, Valve
8		278534A1		1	FILTER SCREEN, Oil
9		100748A1		1	O-RING, 1.421" ID x 1.699" OD x 0.139"
10		181219A1		1	COVER
11		614-8018		2	BOLT, Hex, M8 x 18, 8.8, Full Thd
13		181202A1		1	FITTING

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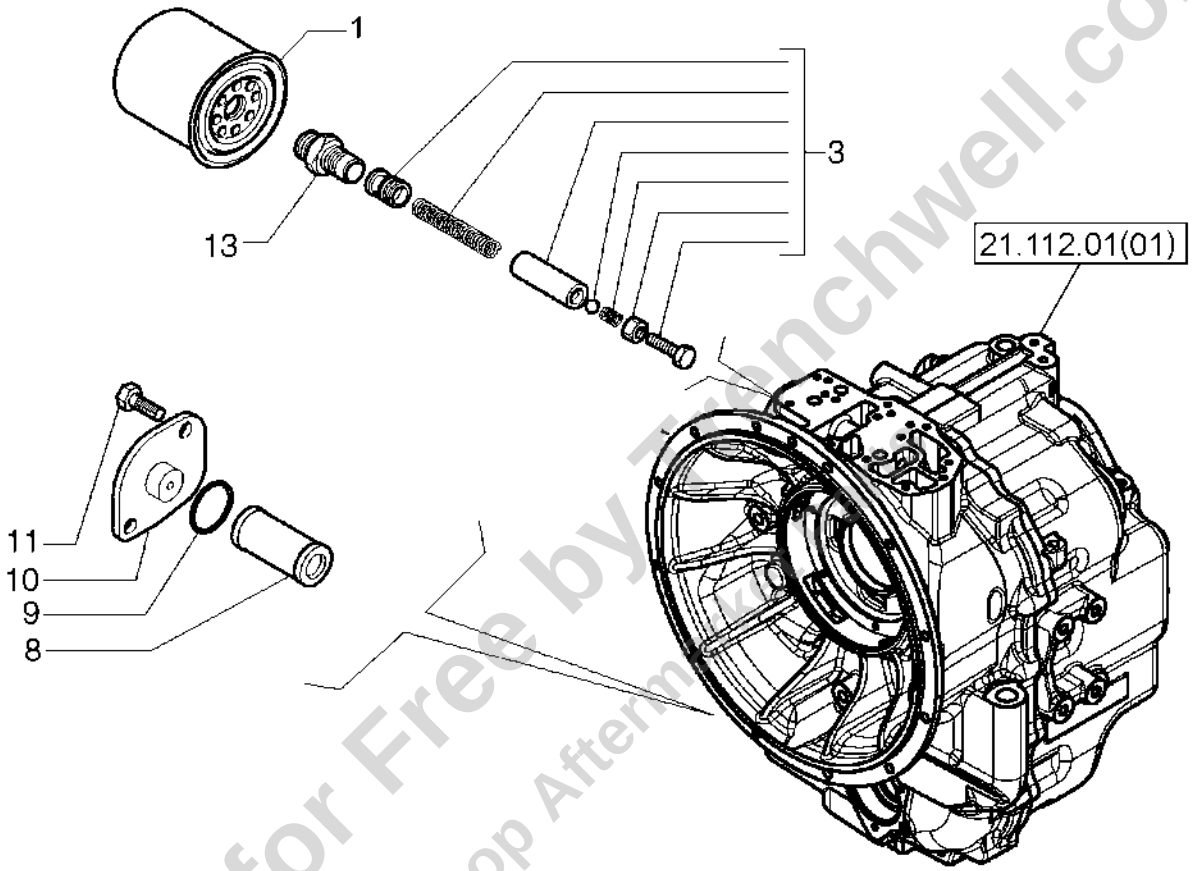
TRANSMISSION - 4WD - FILTER, OIL



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TRANSMISSION - 4WD - FILTER, OIL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive, Incl. Ref 1 - 13
		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
1		254686A2		1	FILTER, Oil
3		181274A1		1	REPAIR KIT, Valve
8		278534A1		1	FILTER SCREEN, Oil
9		100748A1		1	O-RING, 1.421" ID x 1.699" OD x 0.139"
10		181219A1		1	COVER
11		614-8018		2	BOLT, Hex, M8 x 18, 8.8, Full Thd
13		181202A1		1	FITTING

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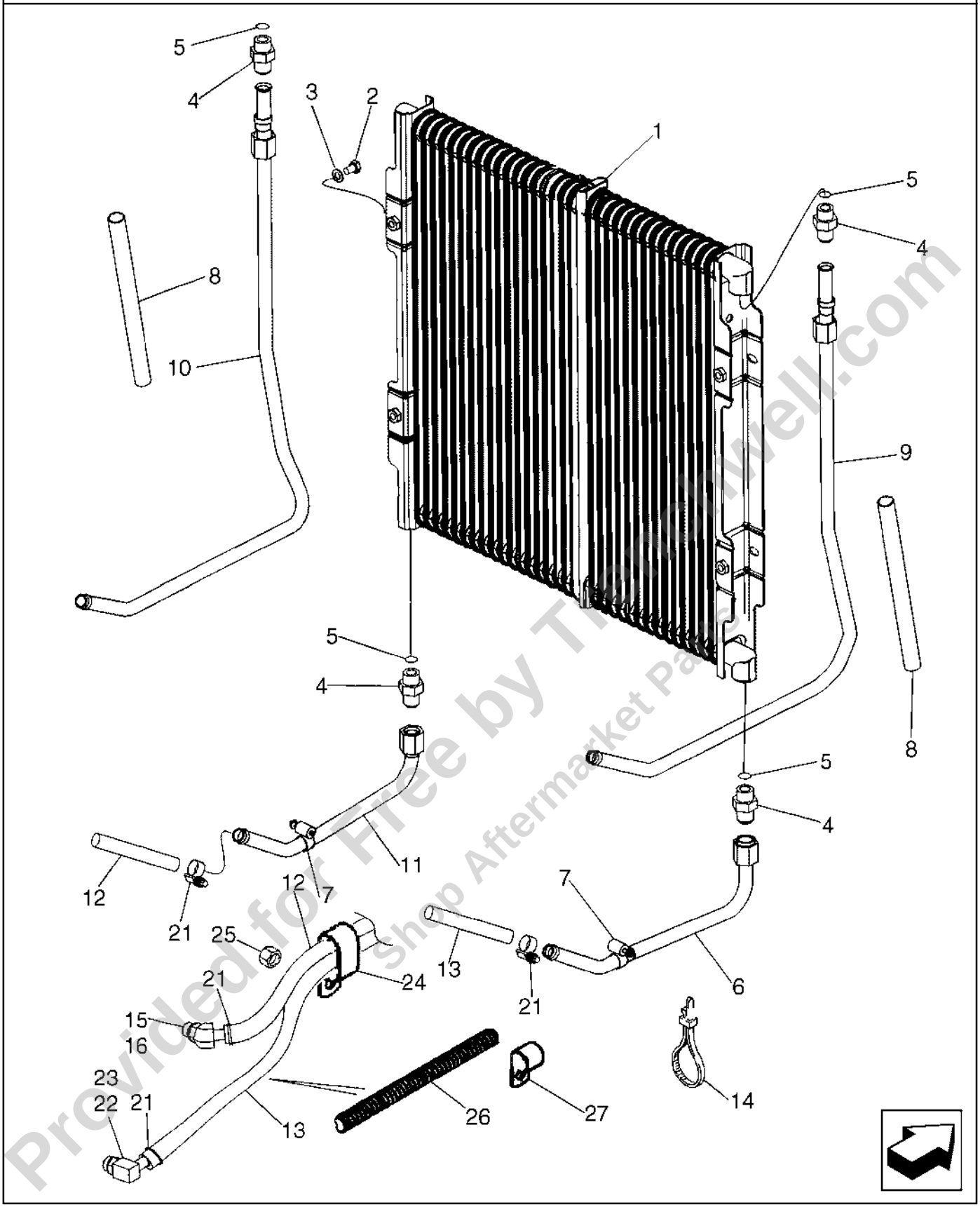
TRANSMISSION- COOLING SYSTEM



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TRANSMISSION- COOLING SYSTEM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87441876		1	OIL COOLER, Hydraulic
2		614-8012		4	BOLT, Hex, M8 x 12, 8.8, Full Thd
3		895-11008		4	WASHER, M8 x 16 x 1.6
4		218-5062		4	HYD CONNECTOR, 7/8"-14, 37º x 7/8"-14, O-Ring, Incl. Ref 5
5		237-6010		1	O-RING, 0.239" ID x 0.379" OD x 0.07"
6		87435078		1	TUBE, 15.875 mm OD x 315 mm L, Lower Right-Hand
7		214-1412		2	HOSE CLAMP, #12, 0.69/1.25 Type F Worm
8		87311219		2	HOSE PROTECTION, 16.80 mm ID x 250.00 mm, Sleeve
9		87435076		1	TUBE, 15.875 mm OD x 584, 362 mm L, Right-Hand Upper Cooler
10		87435080		1	TUBE, 15.875 mm OD x 584, 362 mm L, Left-Hand Upper Cooler
11		87435082		1	TUBE, 15.875 mm OD x 315, 64 mm L, Left-Hand Lower
12		87422597		1	HOSE, 975 mm (38-13/32 in), Transmission to Cooler Inlet
13		87422598		1	HOSE, 15.87 mm ID x 488.00 mm, SAE 100R6, Cooler Outlet to Transmission
14		L18337		1	CABLE STRAP, 9.95"-12.1" lg
15		217-314		1	FITTING, 45º, 5/8" Hose x 7/8"-14 ORB Beaded, Incl. Ref 16
16		237-6010		1	O-RING, 0.239" ID x 0.379" OD x 0.07"
21		328186A1		4	HOSE CLAMP
22		217-349		1	ELBOW, 90º, 5/8" Hose x 7/8"-14 ORB Beaded, Incl Ref 23; Used on Models with 2WD or 4WD Transmissions
22A		87721671		1	TEE, Incl. Ref 23; Used on Models With 4WD Powershift Transmission; Not Illustrated
23		167269		1	O-RING, 0.755" ID x 0.097" Width
24		D39696		1	CLAMP, Double P
25		829-1410		1	NUT, M10, Cl 10
26		D132982		1	PADDLE
27		515-25190		2	CLAMP, 3/4", Insul, 1/2" Bolt

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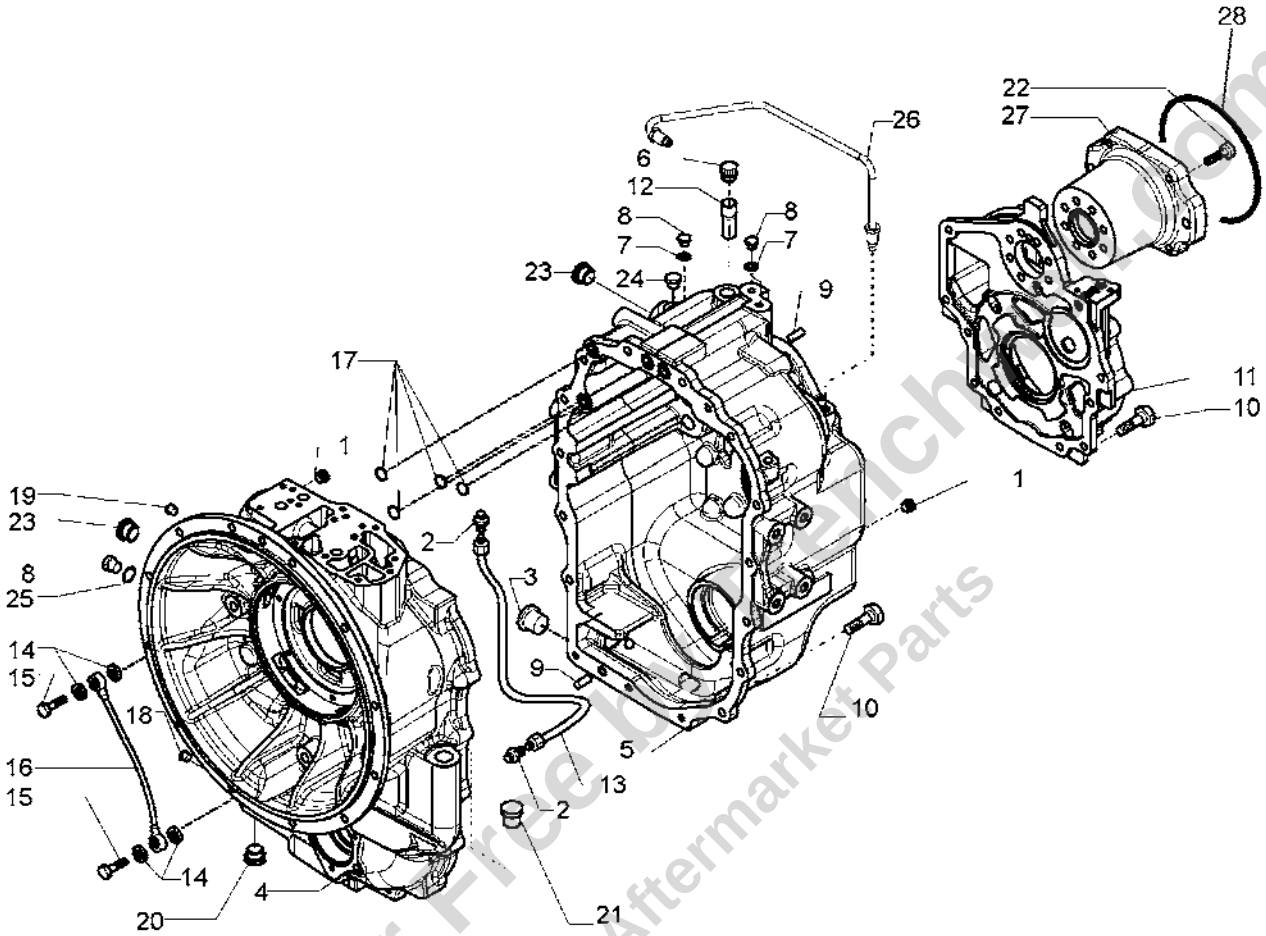
TRANSMISSION - 4WD - HOUSING



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TRANSMISSION - 4WD - HOUSING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive, Incl. Ref 1 - 28\
		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
1		E135809		2	PLUG, 9/16
2		218-1023		2	HYD CONNECTOR, 1/2"-20, 37º x 1/4"-18, NPTF
3		100557A1		1	PLUG, DRAIN, M30 x 2; Incl 238-6121 O-Ring
		238-6121		1	O-RING, -121, 90 Duro, 1.049" ID x .103" Thk
4		87701053		1	TRANSMISSION HOUSING, Front
5		87701777		1	TRANSMISSION HOUSING, Rear
6		1530028C1		1	BREATHER
7		934667R1		4	COPPER WASHER, M10 x 14 x 1
8		181100A1		4	PLUG
9		K260177		3	PIN, 10 x 25
10		614-10030		21	BOLT, Hex, M10 x 30, 8.8
11		87701257		1	COVER
12		310772A1		1	VENTILATION PIPE, 18 mm OD, 42 mm Length, Breather
13		181176A1		1	TUBE, Oil Tube
14		181105A1		4	COPPER WASHER
15		181179A1		2	BANJO BOLT, M14 x 1.5
16		181232A1		1	TUBE, Lubrication
17		181141A1		4	O-RING, 17.12mm ID x 2.62mm Width
18		87702570		1	PLUG
19		181101A1		1	PLUG, M14 x 1.5
20		239606A1		1	PLUG
21		NSS		1	NOT SERVICED SEPARATELY, PLUG, Shipping Plug
22		87701258		7	BOLT, M10 x 45
23		NSS		1	NOT SERVICED SEPARATELY, PLUG, Shipping Plug
24		NSS		1	NOT SERVICED SEPARATELY, PLUG, Shipping Plug
25		87429985		1	COPPER WASHER, 10 x 18 x 1.5 mm

580N 580SN WT
590SN 580SN

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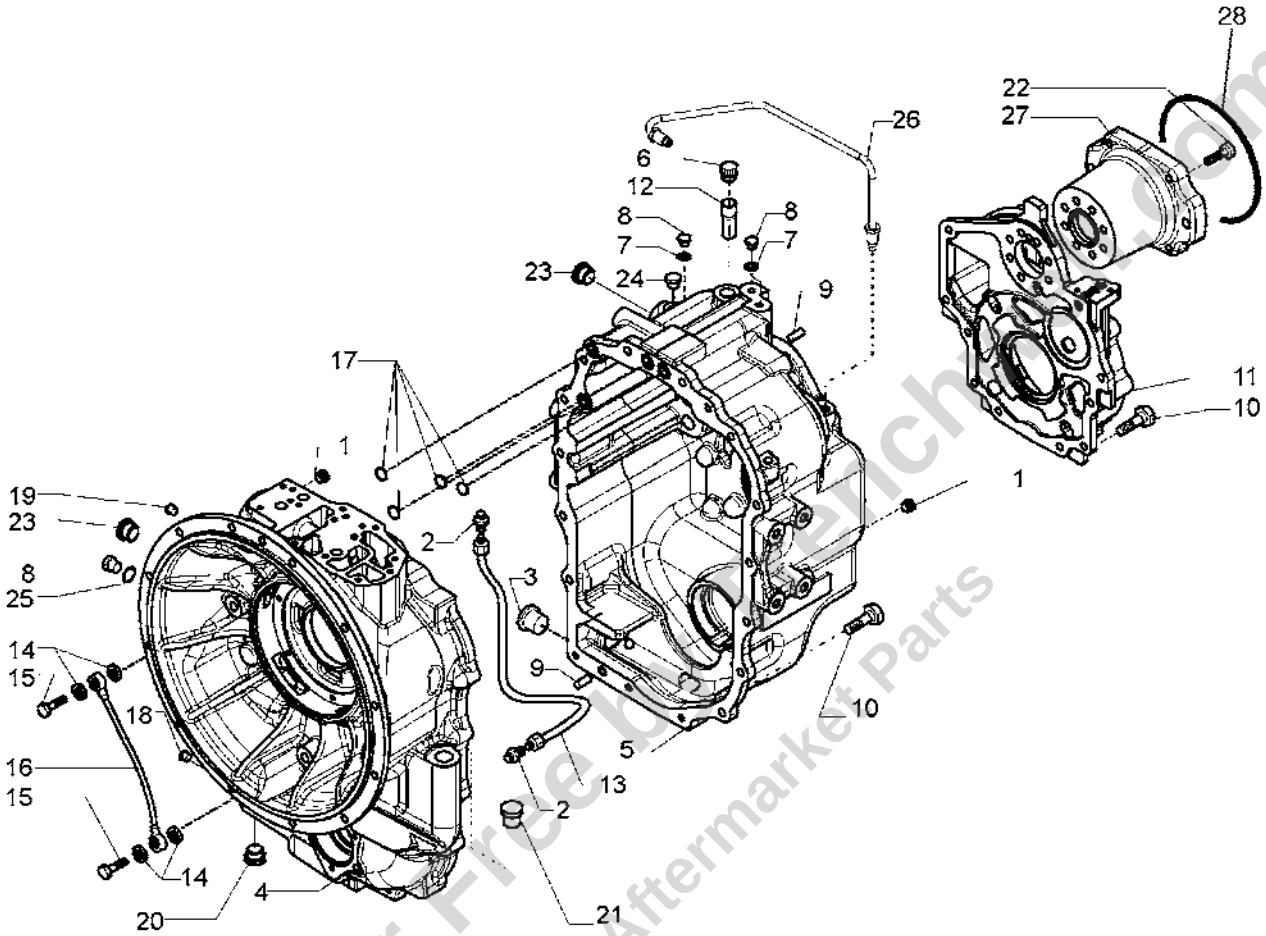
TRANSMISSION - 4WD - HOUSING



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TRANSMISSION - 4WD - HOUSING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
26		87701270		1	PIPE, Oil Tube
27		87701269		1	FLANGE, PTO
28		87429982		1	O-RING, Pump Mounting

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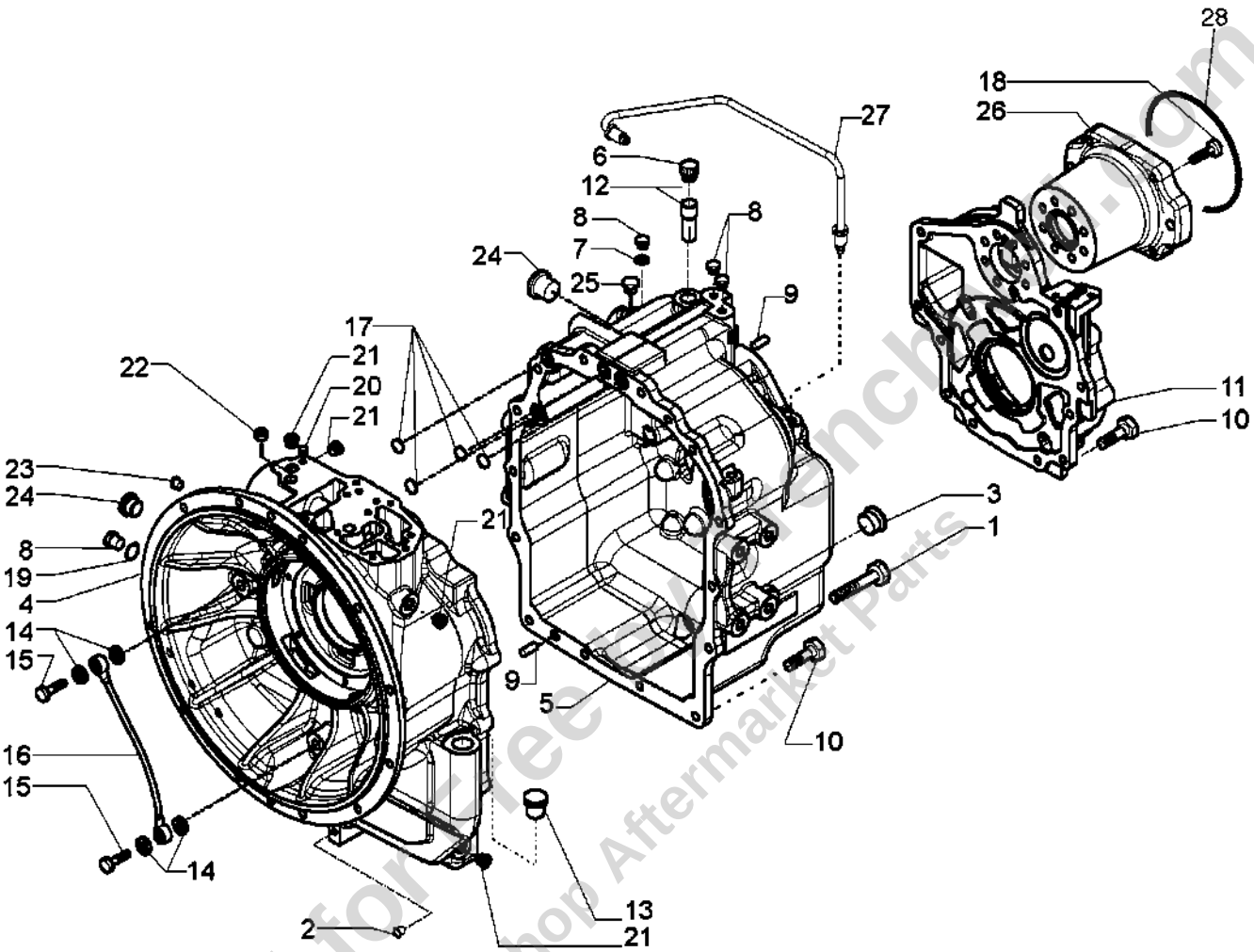
TRANSMISSION - 2WD - HOUSING



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TRANSMISSION - 2WD - HOUSING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395300		1	TRANSMISSION, Two Wheel Drive, Incl. Ref 1 - 28
		87395300R			REMAN-TRANSMISSION, Remanufactured, 2WD, N.A. Only
		87395300C			CORE-TRANSMISSION, Return Number, 2WD, N.A. Only
1		814-10150		2	BOLT, Hex, M10 x 150, 8.8
2		NSS		1	NOT SERVICED SEPARATELY, PLUG, Shipping Plug
3		100557A1		1	PLUG, DRAIN, M30 x 2; Incl 238-6121 O-Ring
		238-6121		1	O-RING, -121, 90 Duro, 1.049" ID x .103" Thk
4		87701253		1	TRANSMISSION HOUSING, Front
5		87701255		1	TRANSMISSION HOUSING, Rear
6		1530028C1		1	BREATHER
7		934667R1		3	COPPER WASHER, M10 x 14 x 1
8		181100A1		4	PLUG
9		K260177		3	PIN, 10 x 25
10		614-10030		17	BOLT, Hex, M10 x 30, 8.8
11		87701257		1	COVER
12		310772A1		1	VENTILATION PIPE, 18 mm OD, 42 mm Length, Breather
13		NSS		1	NOT SERVICED SEPARATELY, PLUG, Shipping Plug
14		181105A1		4	COPPER WASHER
15		181179A1		2	BANJO BOLT, M14 x 1.5
16		181232A1		1	TUBE, Lubrication
17		181141A1		4	O-RING, 17.12mm ID x 2.62mm Width
18		87701258		7	BOLT, M10 x 45
19		87429985		1	COPPER WASHER, 10 x 18 x 1.5 mm
20		87702570		1	PLUG
21		E135809		4	PLUG, 9/16
22		87701260		1	PLUG, M16 x 1.5
23		181101A1		1	PLUG, M14 x 1.5
24		NSS		1	NOT SERVICED SEPARATELY, PLUG, Shipping Plug

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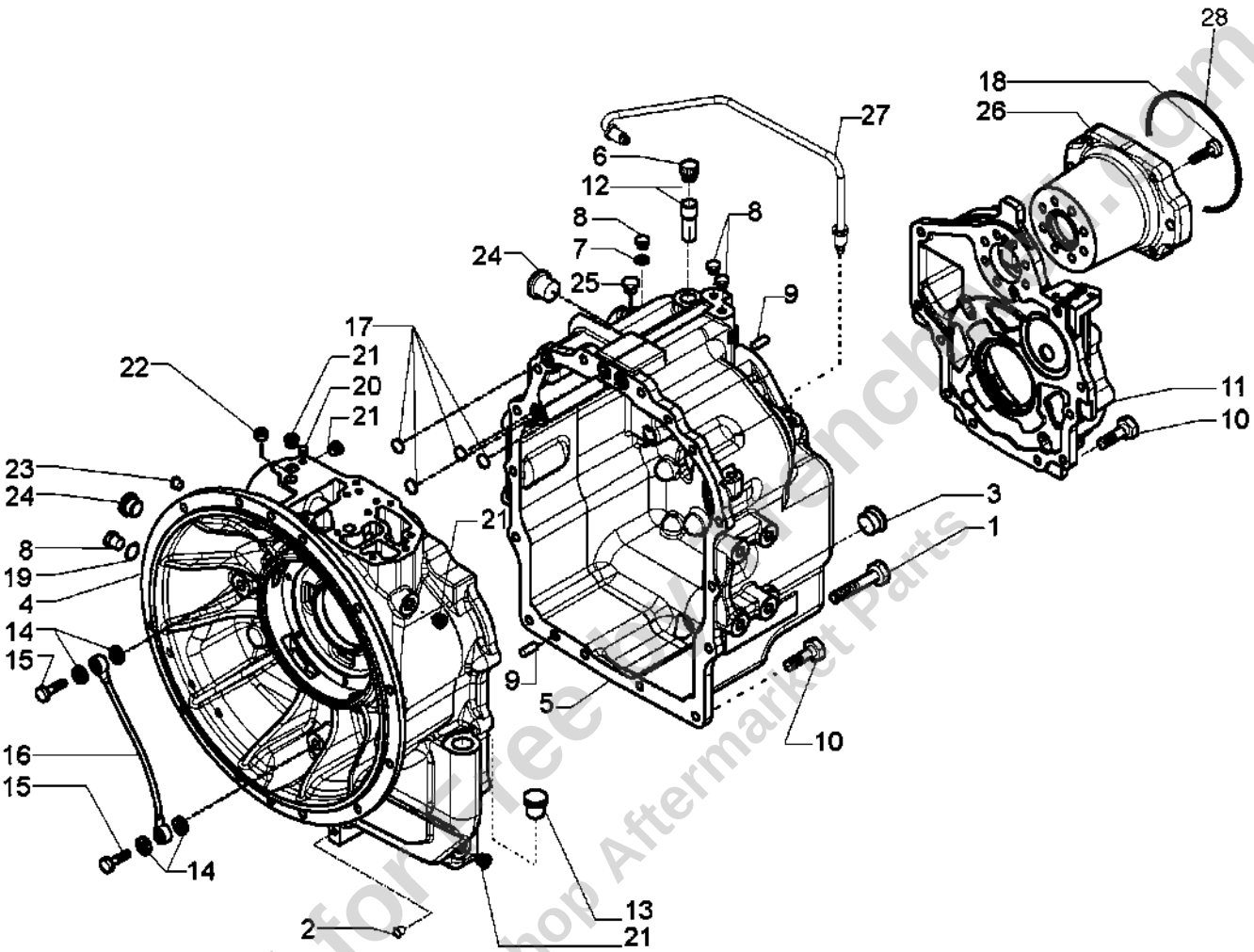
TRANSMISSION - 2WD - HOUSING



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TRANSMISSION - 2WD - HOUSING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
25		NSS		1	NOT SERVICED SEPARATELY, PLUG, Shipping Plug
26		87701269		1	FLANGE, PTO
27		87701270		1	PIPE, Oil Tube
28		87429982		1	O-RING, Pump Mounting

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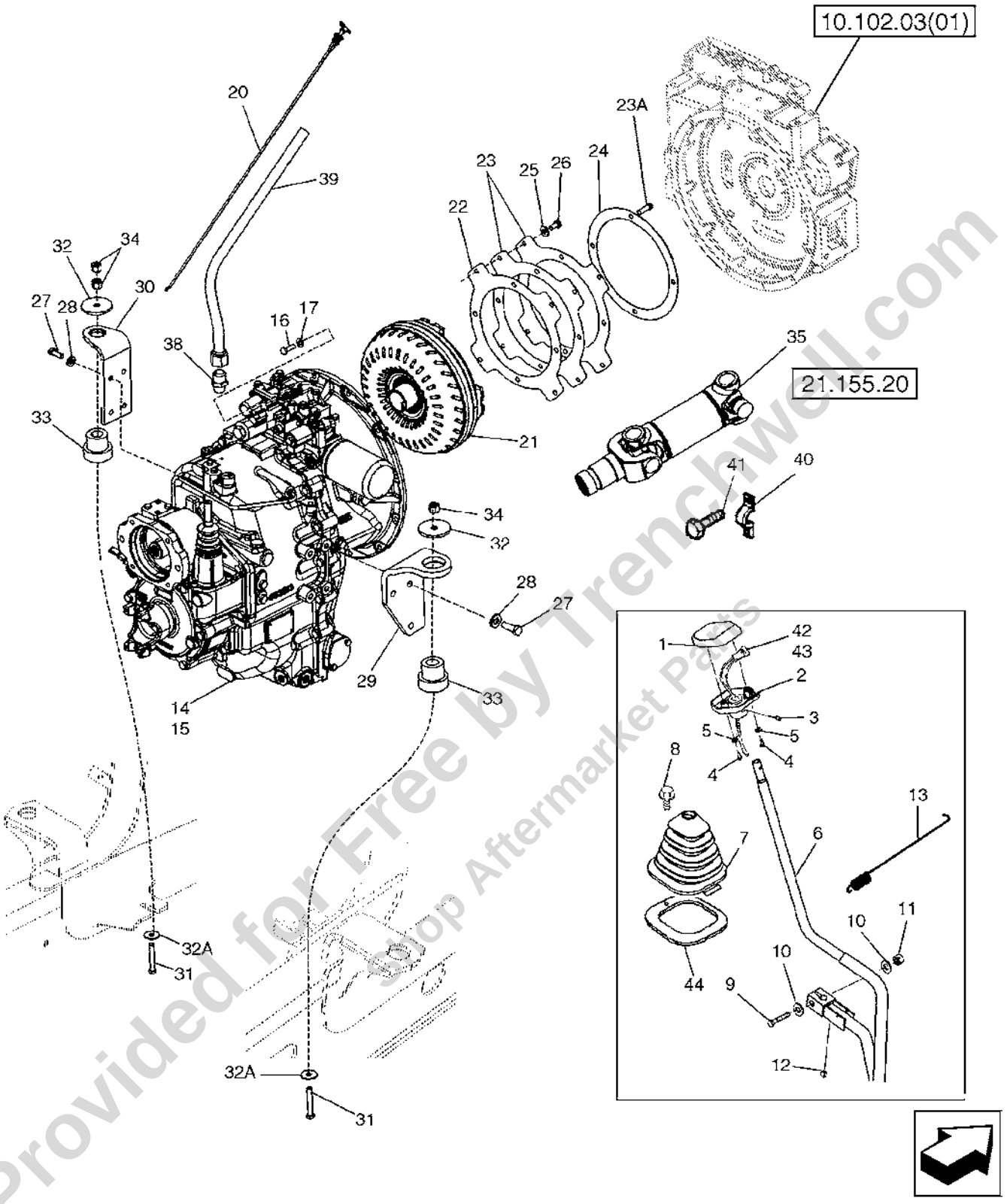
TRANSMISSION - MOUNTING (MODELS WITHOUT POWERSHIFT) (580N)



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TRANSMISSION - MOUNTING (MODELS WITHOUT POWERSHIFT) (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		309747A1		1	KNOB, Gear Shift Lever, Includes NSS Gasket, Incl. Ref 1, 2, 4, 5
		NSS		2	NOT SERVICED SEPARATELY, GASKET, Knob
1		187714A1		1	KNOB, Upper
2		187715A1		1	KNOB, Lower
3		484-6316		1	SET SCREW, Hex Soc, 5/16"-24 x 3/8"
4		87020181		2	SCREW, No. 10 NF x 7/8
5		493-41020		2	LOCK WASHER, Ext Tooth, #10
6		379314A4		1	LEVER, Gear Shift
7		400588A2		1	BOOT
8		87310096		1	BOLT, M6 x 25, Includes Washer, Stainless Steel
9		827-12065		1	BOLT, Hex, M12 x 65, 10.9
10		896-11012		2	WASHER, M13.5 x 24.5 x 3, HT
11		832-10412		1	LOCK NUT, M12 x 1.75, Cl 8
12		126-116		1	WOODRUFF KEY, #9, 3/16" x 3/4", HT
13		380537A2		1	SPRING
14		87395300		1	TRANSMISSION, Two Wheel Drive Models
14		87395300R		1	REMAN-TRANSMISSION, Remanufactured, 2WD, N.A. Only
14		87395300C		1	CORE-TRANSMISSION, Return Number, 2WD, N.A. Only
15		87395301		1	TRANSMISSION, Four Wheel Drive Models
15		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
15		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
16		627-10030		12	BOLT, Hex, M10 x 30, 10.9, Full Thd
17		496-21041		12	WASHER, 13/32" x 13/16" x .089", HDN
20		87601345		1	DIPSTICK
21		87702194		1	TORQUE CONVERTER
21		87702194R		1	REMAN-TORQUE CONVERTER, Remanufactured, N.A. Only
21		87702194C		1	CORE-TORQUE CONVERTER, Return Number, N.A. Only
22		87406934		1	PLATE, Flex, With Caged Nuts

580N 580SN WT
590SN 580SN

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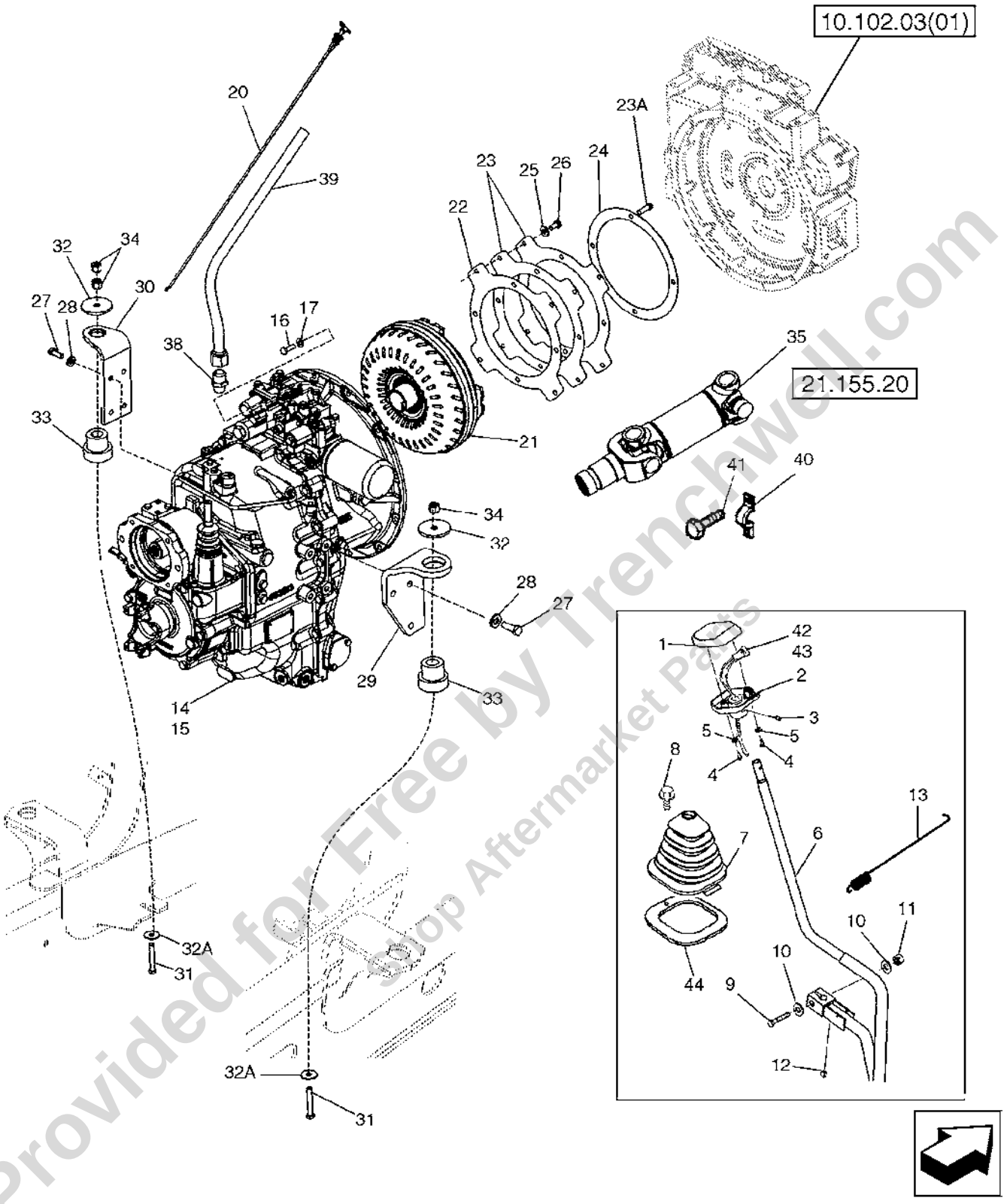
TRANSMISSION - MOUNTING (MODELS WITHOUT POWERSHIFT) (580N)



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TRANSMISSION - MOUNTING (MODELS WITHOUT POWERSHIFT) (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
23		86993546		2	PLATE, Flex
23A		87019767		4	SCREW, 12 Pt Hd, M10 x 1.25 x 30, 12.9
24		87409201		1	BACKING PLATE
25		87655046		4	SPECIAL WASHER
26		614-10020		4	BOLT, Hex, M10 x 20, 8.8, Full Thd
27		614-12035		7	BOLT, Hex, M12 x 35, 8.8, Full Thd
28		87655043		7	SPECIAL WASHER
29		87735097		1	SUPPORT, Right-Hand Bracket
30		87735096		1	SUPPORT, Left-Hand Bracket
31		814-12080		2	BOLT, Hex, M12 x 80, 8.8
32		85801585		2	SEALING WASHER, Special
32A		85802618		2	SEALING WASHER
33		87416967		2	SUPPORT
34		832-10412		3	LOCK NUT, M12 x 1.75, Cl 8
35		87613924		1	DRIVE SHAFT, 580SM Models; Transmission to Rear Axle
35		87693489		1	DRIVE SHAFT, 580SM+ Models; Transmission to Rear Axle
38		218-459		1	HYD CONNECTOR, 1 5/16"-12, 37º x 3/4"-14, NPTF
39		87601338		1	TUBE, Dipstick
40		87538515		2	RETAINER
41		9637611		4	SCREW, Hex Flange Head, Special, 5/16 - 24 UNF x 1-1/16
42		87312712		1	SWITCH, Push Button, Clutch Cutout
43		123809A2		1	WIRE HARNESS, Clutch Cutout, Transmission Gear Shift Lever
44		410561A1		1	SEAL, Shift Lever Boot, Cab Models

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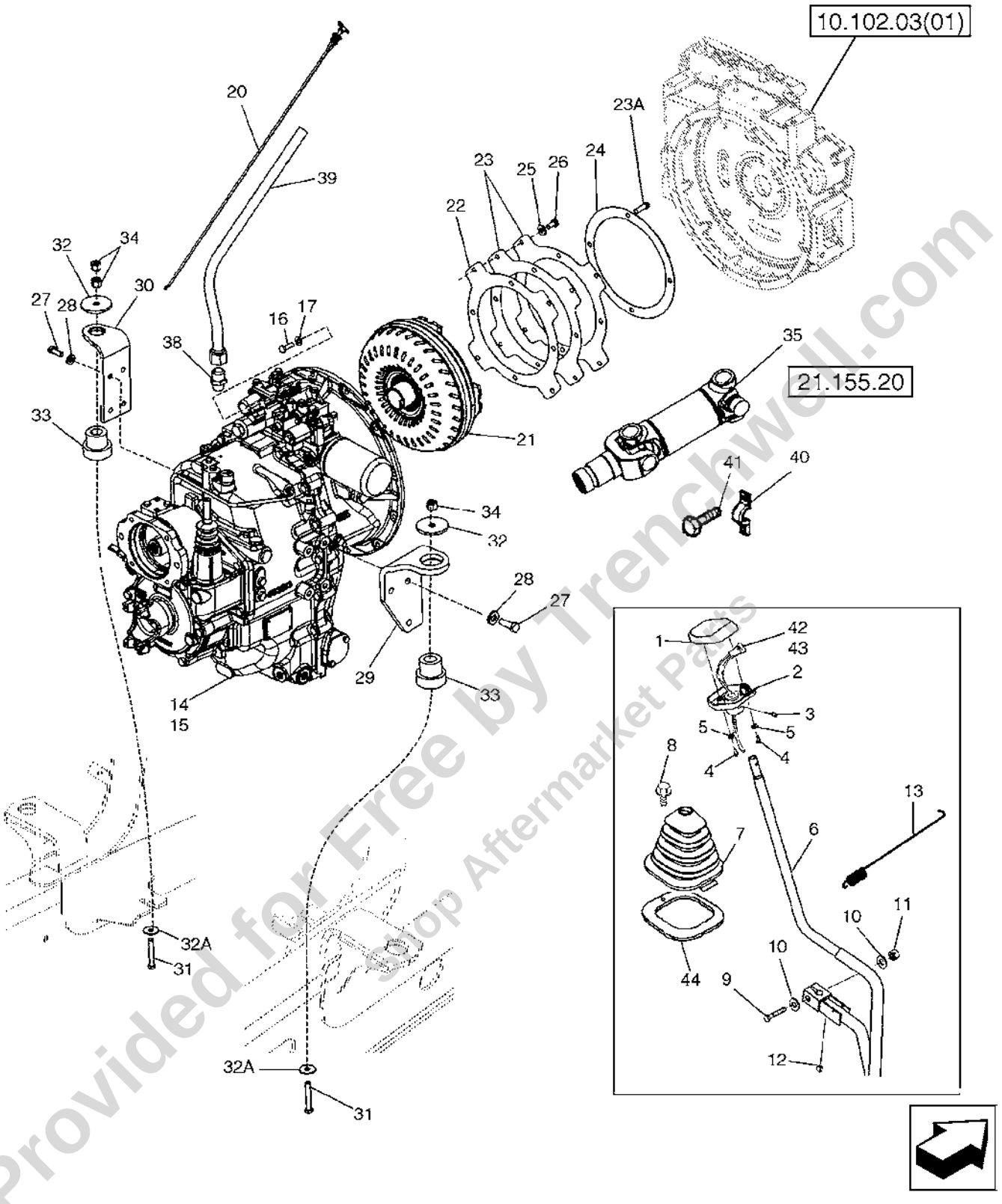
TRANSMISSION - MOUNTING (MODELS WITHOUT POWERSHIFT) (580SN, 580SN WT AND 590SN)



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TRANSMISSION - MOUNTING (MODELS WITHOUT POWERSHIFT) (580SN, 580SN WT AND 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		309747A1		1	KNOB, Gear Shift Lever, Includes NSS Gasket, Incl. Ref 1, 2, 4, 5
		NSS		2	NOT SERVICED SEPARATELY, GASKET, Knob
1		187714A1		1	KNOB, Upper
2		187715A1		1	KNOB, Lower
3		484-6316		1	SET SCREW, Hex Soc, 5/16"-24 x 3/8"
4		87020181		2	SCREW, No. 10 NF x 7/8
5		493-41020		2	LOCK WASHER, Ext Tooth, #10
6		379314A4		1	LEVER, Gear Shift
7		400588A2		1	BOOT
8		87310096		1	BOLT, M6 x 25, Includes Washer, Stainless Steel
9		827-12065		1	BOLT, Hex, M12 x 65, 10.9
10		896-11012		2	WASHER, M13.5 x 24.5 x 3, HT
11		832-10412		1	LOCK NUT, M12 x 1.75, Cl 8
12		126-116		1	WOODRUFF KEY, #9, 3/16" x 3/4", HT
13		380537A2		1	SPRING
14		87395300		1	TRANSMISSION, Two Wheel Drive Models
14		87395300R		1	REMAN-TRANSMISSION, Remanufactured, 2WD, N.A. Only
14		87395300C		1	CORE-TRANSMISSION, Return Number, 2WD, N.A. Only
15		87395301		1	TRANSMISSION, Four Wheel Drive Models
15		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
15		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
16		627-10030		12	BOLT, Hex, M10 x 30, 10.9, Full Thd
17		496-21041		12	WASHER, 13/32" x 13/16" x .089", HDN
20		87601345		1	DIPSTICK
21		87702192		1	TORQUE CONVERTER
21		87702192R		1	REMAN-TORQUE CONVERTER, Remanufactured, N.A. Only
21		87702192C		1	CORE-TORQUE CONVERTER, Return Number, N.A. Only
22		87406934		1	PLATE, Flex, With Caged Nuts

580SN WT 590SN
580SN

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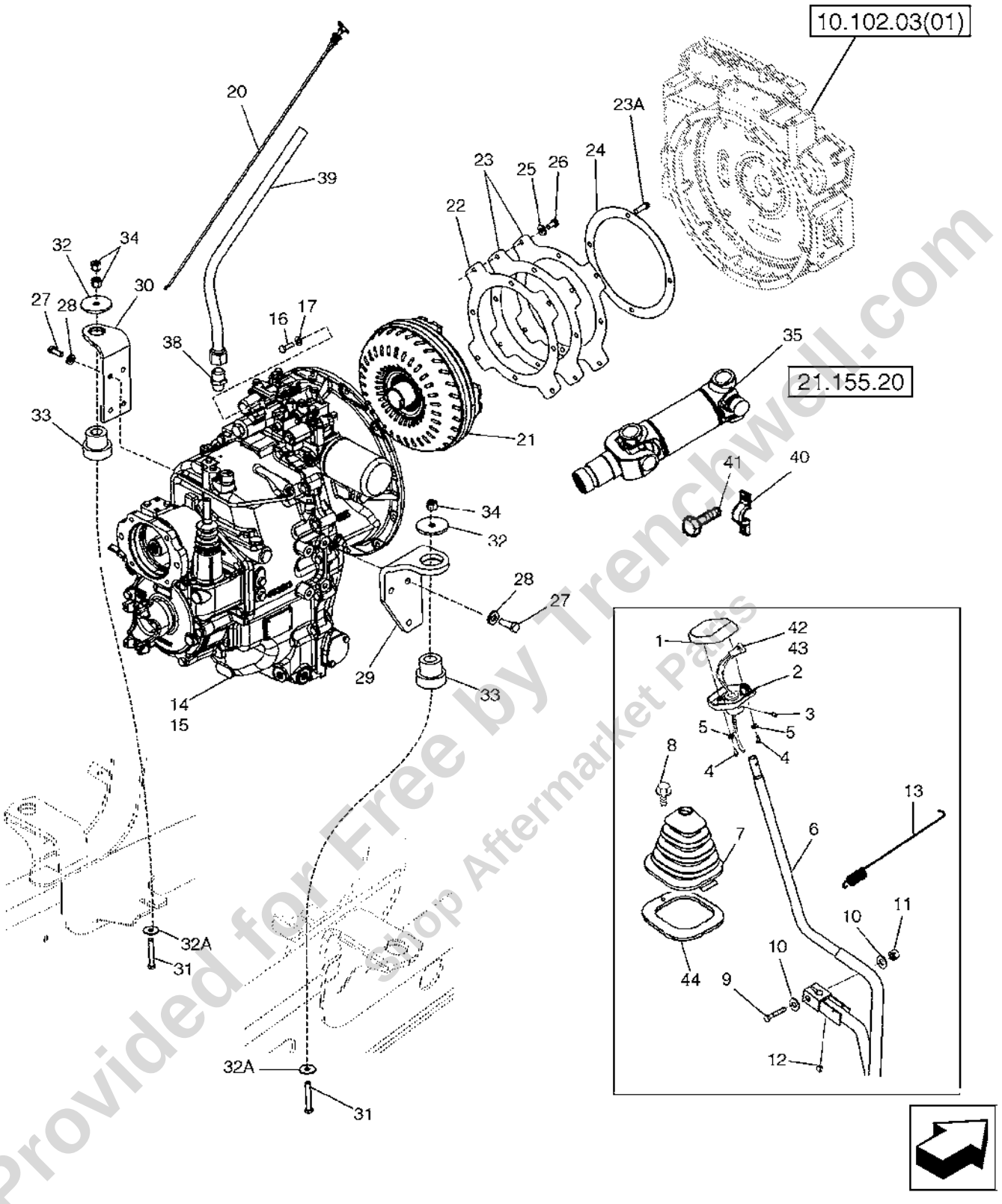
TRANSMISSION - MOUNTING (MODELS WITHOUT POWERSHIFT) (580SN, 580SN WT AND 590SN)



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TRANSMISSION - MOUNTING (MODELS WITHOUT POWERSHIFT) (580SN, 580SN WT AND 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
23		86993546		2	PLATE, Flex
23A		87019767		4	SCREW, 12 Pt Hd, M10 x 1.25 x 30, 12.9
24		87409201		1	BACKING PLATE
25		87655046		4	SPECIAL WASHER
26		614-10020		4	BOLT, Hex, M10 x 20, 8.8, Full Thd
27		614-12035		7	BOLT, Hex, M12 x 35, 8.8, Full Thd
28		87655043		7	SPECIAL WASHER
29		87735097		1	SUPPORT, Right-Hand Bracket
30		87735096		1	SUPPORT, Left-Hand Bracket
31		814-12080		2	BOLT, Hex, M12 x 80, 8.8
32		85801585		2	SEALING WASHER, Special
32A		85802618		2	SEALING WASHER
33		87488319		2	RUBBER MOUNTING
34		832-10412		3	LOCK NUT, M12 x 1.75, Cl 8
35		87613924		1	DRIVE SHAFT, 580SM Models; Transmission to Rear Axle
35		87693489		1	DRIVE SHAFT, 580SM+ Models; Transmission to Rear Axle
38		218-459		1	HYD CONNECTOR, 1 5/16"-12, 37º x 3/4"-14, NPTF
39		87601338		1	TUBE, Dipstick
40		87538515		2	RETAINER
41		9637611		4	SCREW, Hex Flange Head, Special, 5/16 - 24 UNF x 1-1/16
42		87312712		1	SWITCH, Push Button, Clutch Cutout
43		123809A2		1	WIRE HARNESS, Clutch Cutout, Transmission Gear Shift Lever
44		410561A1		1	SEAL, Shift Lever Boot, Cab Models

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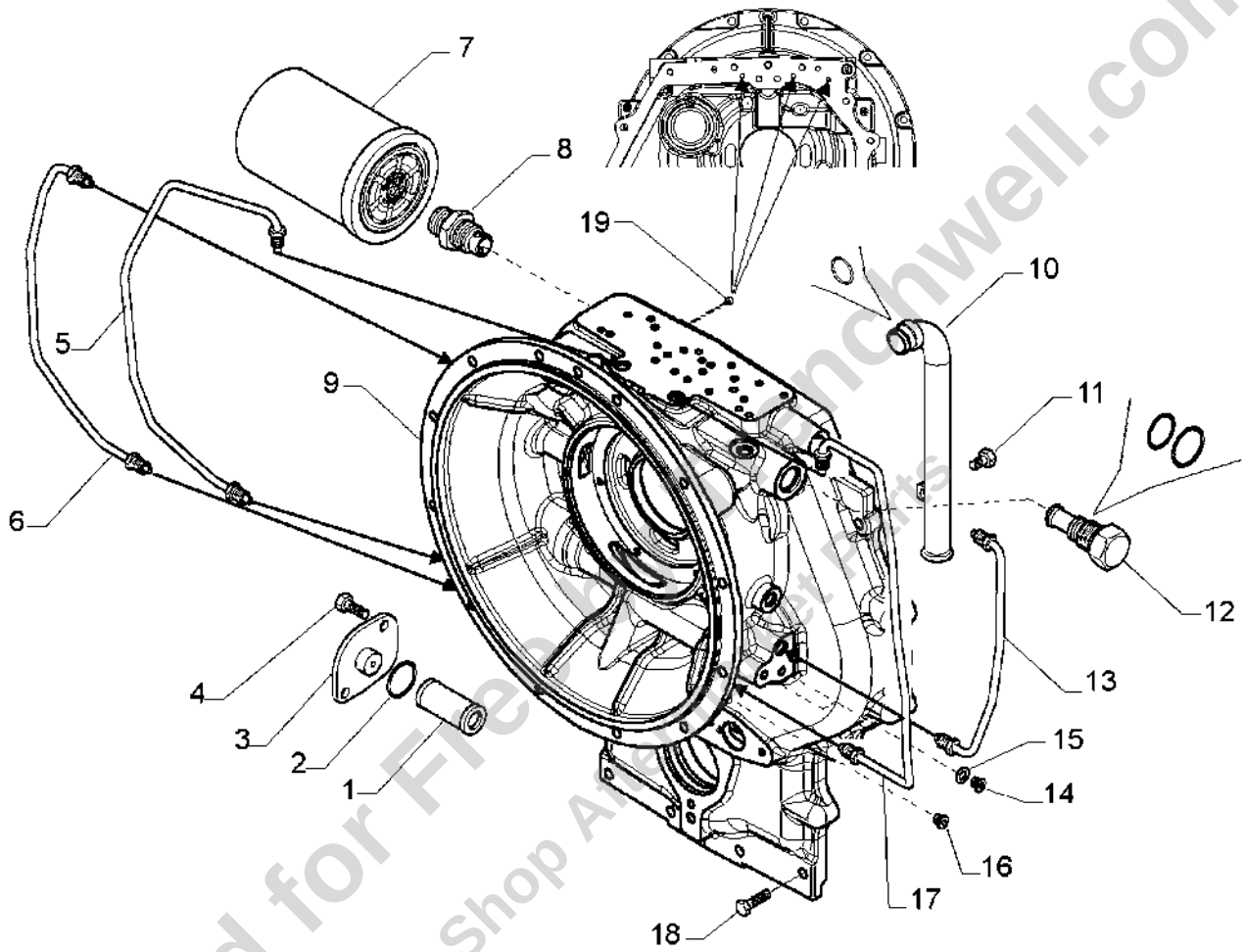
TRANSMISSION - 4WD POWERSHIFT H TYPE - HOUSING & FILTER, OIL



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TRANSMISSION - 4WD POWERSHIFT H TYPE - HOUSING & FILTER, OIL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87567534		1	TRANSMISSION, Powershift, Four Wheel Drive, Incl. Ref 1 - 19
1		278534A1		1	FILTER SCREEN
2		100748A1		1	O-RING, 1.421" ID x 1.699" OD x 0.139"
3		181219A1		1	COVER
4		614-8018		2	BOLT, Hex, M8 x 18, 8.8, Full Thd
5		87705432		1	TUBE, First Speed
6		87705434		1	TUBE, Third Speed
7		87705435		1	HYDRAULIC OIL FILTER
8		181202A1		1	FITTING
9		87705437		1	TRANSMISSION HOUSING, Front Half
10		87705438		1	PIPE, Suction Tube; Includes O-Ring Which Is Not Serviced Separately
11		614-10020		1	BOLT, Hex, M10 x 20, 8.8, Full Thd
12		87705439		1	VALVE, Directional
13		87705441		1	TUBE, Second Speed
14		181100A1		5	PLUG
15		934667R1		5	COPPER WASHER, M10 x 14 x 1
16		E135809		3	PLUG
17		87705444		1	TUBE, Fourth Speed
18		614-10035		5	BOLT, Hex, M10 x 35, 8.8, Full Thd
19		87705467		3	RIVET

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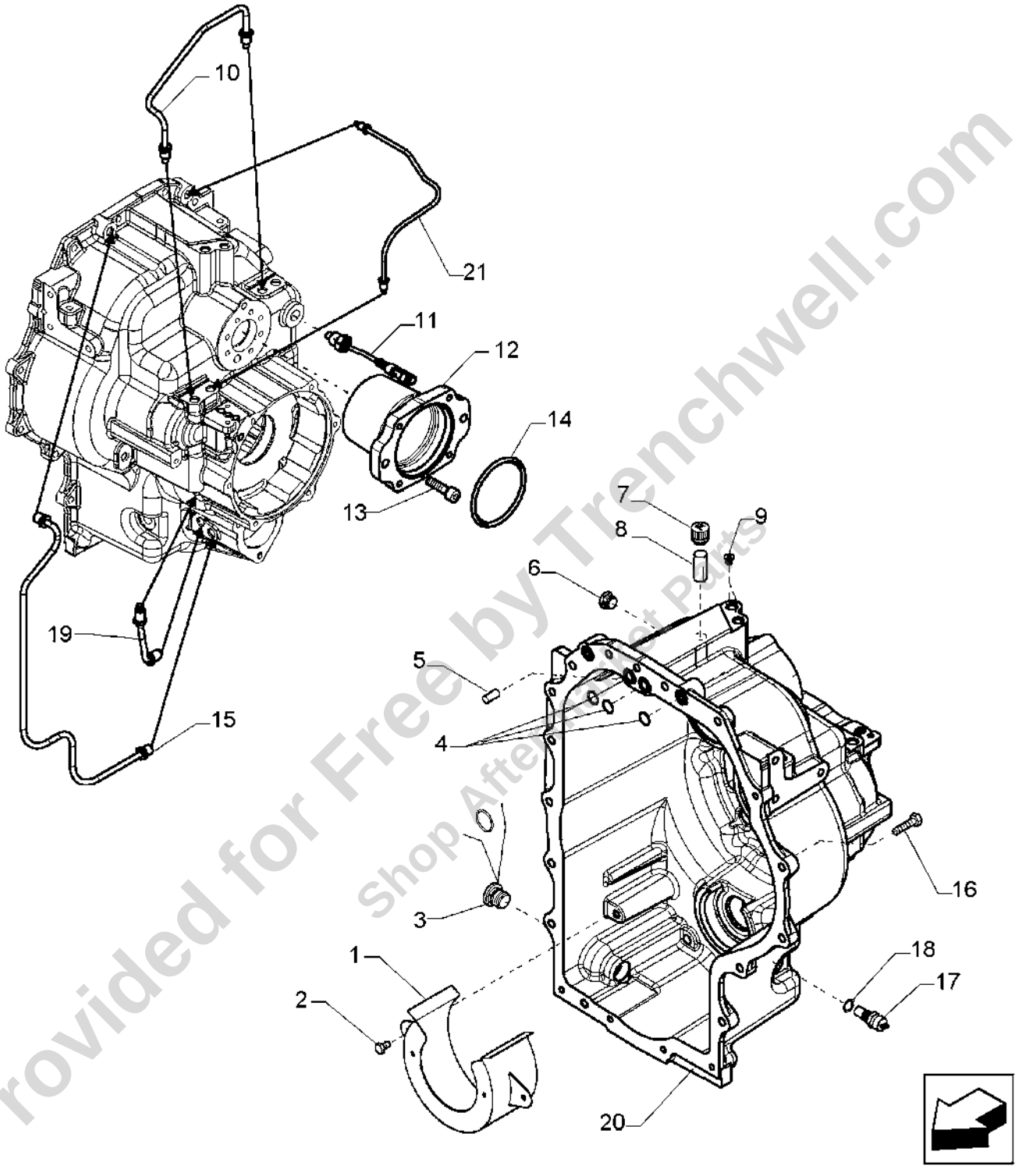
TRANSMISSION - 4WD POWERSHIFT H TYPE - HOUSING, REAR & THERMOSTAT



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TRANSMISSION - 4WD POWERSHIFT H TYPE - HOUSING, REAR & THERMOSTAT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87567534		1	TRANSMISSION, Powershift, Four Wheel Drive, Incl. Ref 1 - 21
1		87705445		1	BRACKET, Guard
2		614-10020		2	BOLT, Hex, M10 x 20, 8.8, Full Thd
3		100557A1		1	PLUG, DRAIN, Includes 238-6121 O-Ring
4		181141A1		3	O-RING, 17.12mm ID x 2.62mm Width
5		K260177		2	PIN
6		NSS		2	NOT SERVICED SEPARATELY, Plug
7		1530028C1		1	BREATHER
8		310772A1		1	VENTILATION PIPE, 18 mm OD, 42 mm Length, Breather
9		E135809		2	PLUG
10		87705446		1	TUBE, Lubrication
11		87705447		1	THERMOSTAT
12		87701269		1	FLANGE
13		87705895		7	BOLT, M10 x 25
14		87429982		1	O-RING
15		87705448		1	TUBE, Four Wheel Drive
16		614-10035		13	BOLT, Hex, M10 x 35, 8.8, Full Thd
17		87705451		1	SENSOR, Speed
18		3051337R1		1	SEALING WASHER, M18 x 24 x 1.5
19		87705452		1	TUBE, Lubrication
20		87705453		1	TRANSMISSION HOUSING, Rear Half
21		87705455		1	TUBE, Lubrication

580N 580SN WT
590SN 580SN

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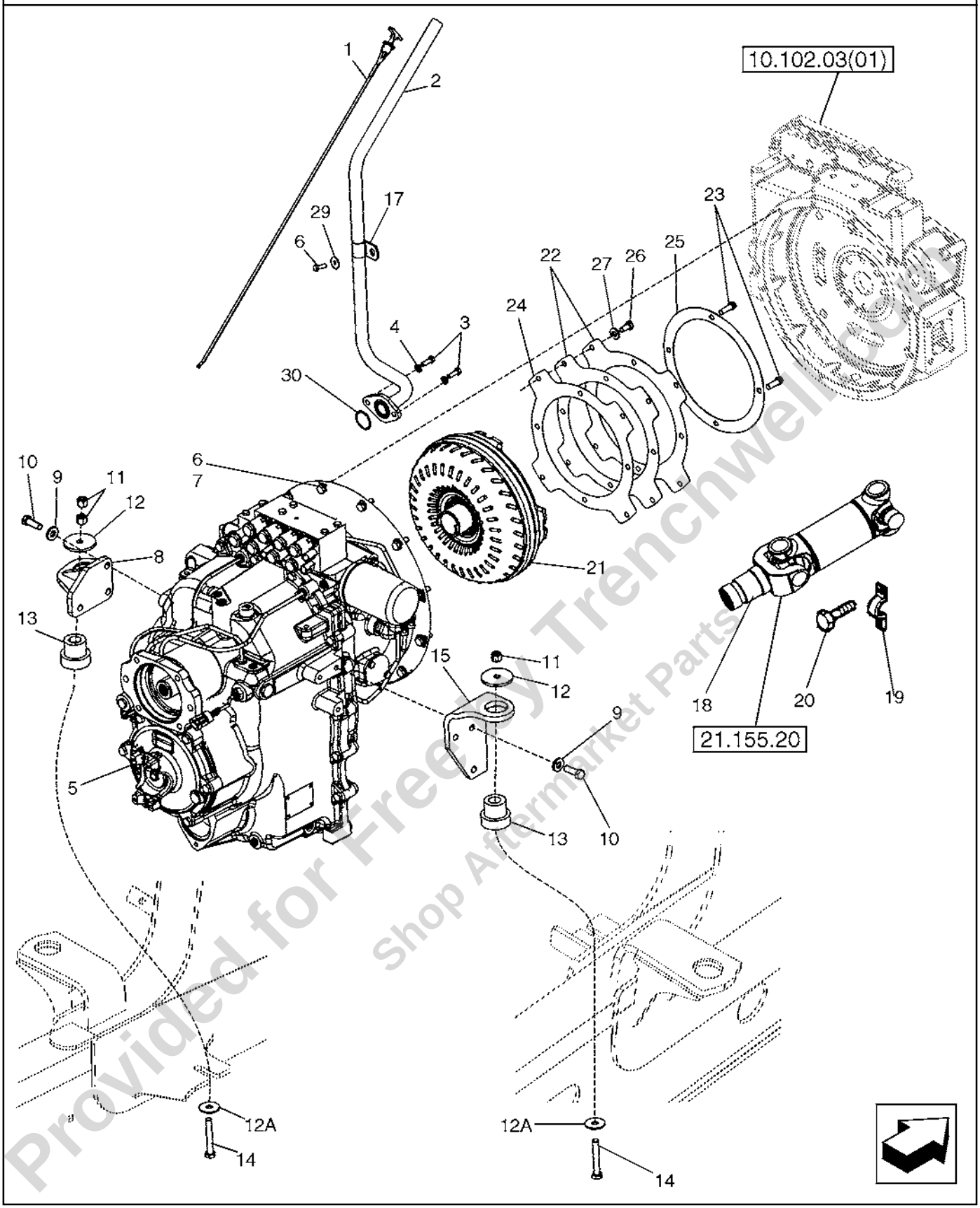
TRANSMISSION - MOUNTING (MODELS WITH POWERSHIFT)



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TRANSMISSION - MOUNTING (MODELS WITH POWERSHIFT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87601345		1	DIPSTICK
2		87655222		1	TUBE, Dipstick
3		43127		2	SCREW, Hex, M8 x 25, 8.8
4		895-11008		2	WASHER, M8 x 16 x 1.6
5		87567534		1	TRANSMISSION, Power Shift, 4WD
5		87567534R		1	REMAN-TRANSMISSION, Power Shift, 4WD, Remanufactured
5		87567534C		1	CORE-TRANSMISSION, Power Shift, 4WD, Core
6		627-10030		12	BOLT, Hex, M10 x 30, 10.9, Full Thd
7		496-21041		12	WASHER, 13/32" x 13/16" x .089", HDN
8		87735094		1	SUPPORT, Left-Hand Bracket
9		896-15012		6	WASHER, M12 x 28.5 x 4, HT
10		614-12035		6	BOLT, Hex, M12 x 35, 8.8, Full Thd
11		832-10412		3	LOCK NUT, M12 x 1.75, Cl 8
12		85801585		2	SEALING WASHER, Special
12A		85802618		2	SEALING WASHER
13		87416967		2	SUPPORT, INSULATOR
14		814-12080		2	BOLT, Hex, M12 x 80, 8.8
15		87735095		1	SUPPORT, Right-Hand Bracket
17		D35908		1	CLAMP
18		87613924		1	DRIVE SHAFT, Transmission to Rear Axle
18		87693489		1	DRIVE SHAFT, Transmission to Rear Axle
19		87538515		2	RETAINER
20		9637611		4	SCREW, Hex Flange Head, Special, 5/16 - 24 UNF x 1-1/16
21		87702192		1	TORQUE CONVERTER
21		87702192R		1	REMAN-TORQUE CONVERTER, Remanufactured, N.A. Only
21		87702192C		1	CORE-TORQUE CONVERTER, Return Number, N.A. Only
22		86993546		2	PLATE
23		87019767		4	SCREW, 12 Pt Hd, M10 x 1.25 x 30, 12.9
24		87406934		1	PLATE
25		87409201		1	BACKING PLATE
26		614-10020		4	BOLT, Hex, M10 x 20, 8.8, Full Thd

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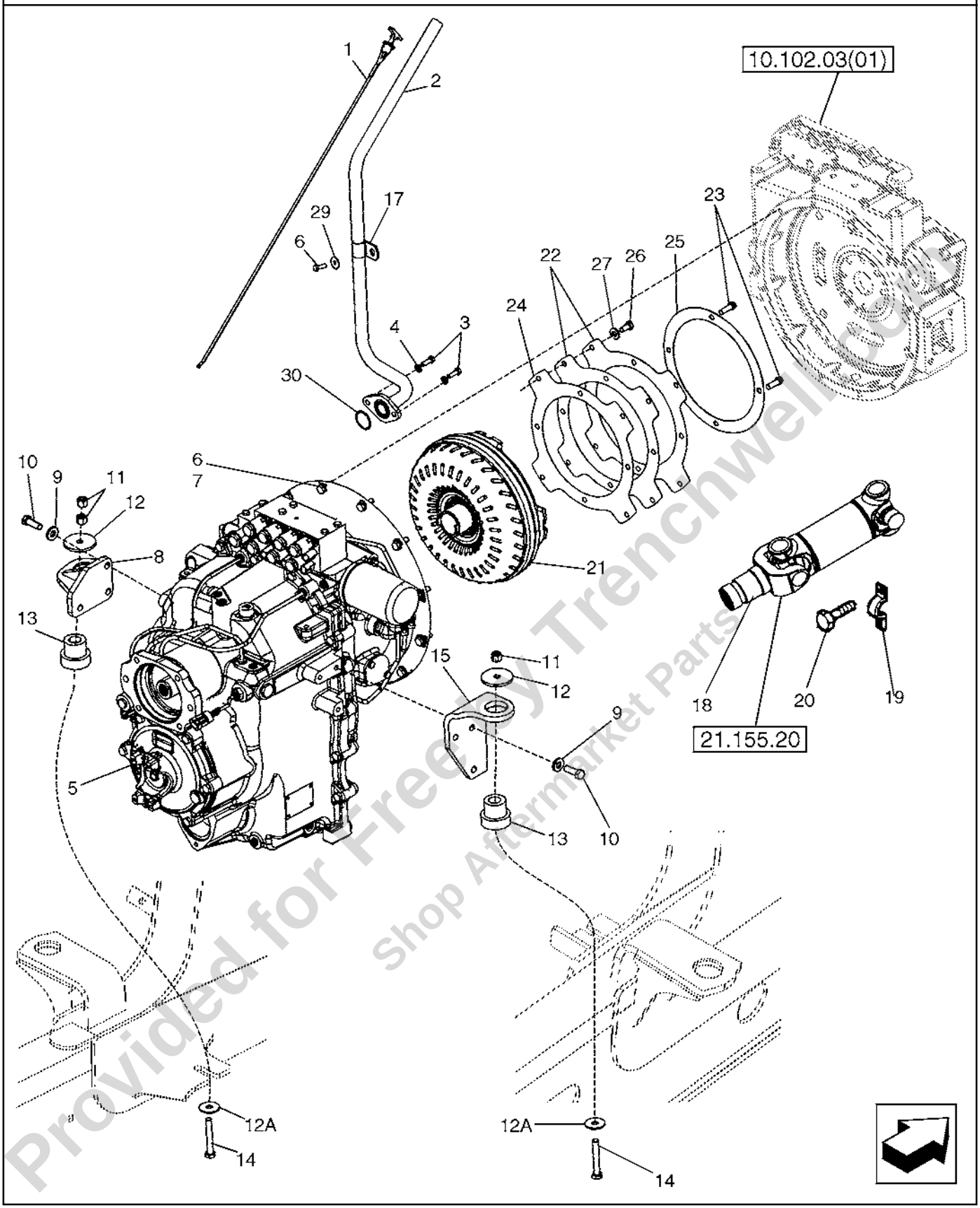
TRANSMISSION - MOUNTING (MODELS WITH POWERSHIFT)



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TRANSMISSION - MOUNTING (MODELS WITH POWERSHIFT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
27		896-15010		4	WASHER, M10 x 24.5 x 3, HT
29		12644301		1	WASHER, M10 x 35 x 3
30		272218		1	O-RING, -127, 70 Duro, 1.424" ID x .103" Thk

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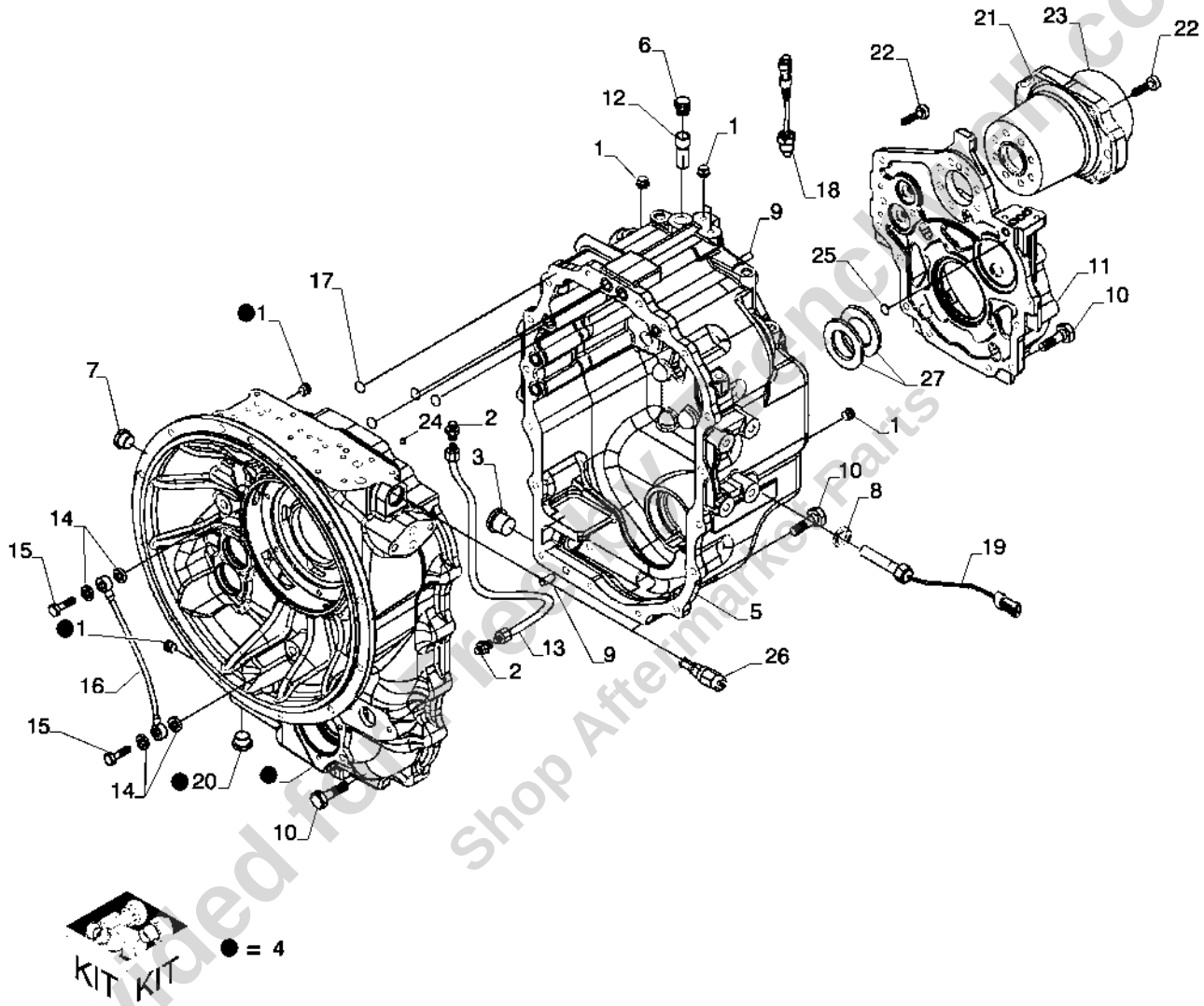
TRANSMISSION - 4WD POWERSHIFT S TYPE- HOUSING



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TRANSMISSION - 4WD POWERSHIFT S TYPE- HOUSING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		9625178		7	PLUG, Hex Soc, 9/16"-18 ORB
2		218-1023		2	HYD CONNECTOR, 1/2"-20, 37° x 1/4"-18, NPTF
3		100557A1		1	PLUG, DRAIN
4		84336853		1	HOUSING
5		84336854		1	HOUSING
6		1530028C1		1	BREATHER
7		NS		1	NOT SERVICED
8		84336879		1	WASHER
9		K260177		3	PIN
10		614-10030		20	BOLT, Hex, M10 x 30, 8.8
11		84336855		1	COVER
12		310772A1		1	VENTILATION PIPE, 18 mm OD, 42 mm Length
13		84336857		1	TUBE
14		181105A1		4	COPPER WASHER
15		181179A1		2	BANJO BOLT
16		181232A1		1	TUBE
17		181141A1		6	O-RING, 17.12mm ID x 2.62mm Width
18		87705447		1	THERMOSTAT
19		84336878		1	SENSOR
20		239606A1		1	PLUG
21		87701269		1	FLANGE
22		87701258		10	BOLT
23		175156		1	O-RING, 4.987" ID x 5.193" OD x 0.103"
24		87701779		2	RIVET
25		5194294		1	RUBBER RING
26		84336881		1	PRESSURE CONTROL VALVE
27		84336858		1	SHIM, 0.1 mm
27		84336860		1	SHIM, 0.3 mm

580N 580SN WT
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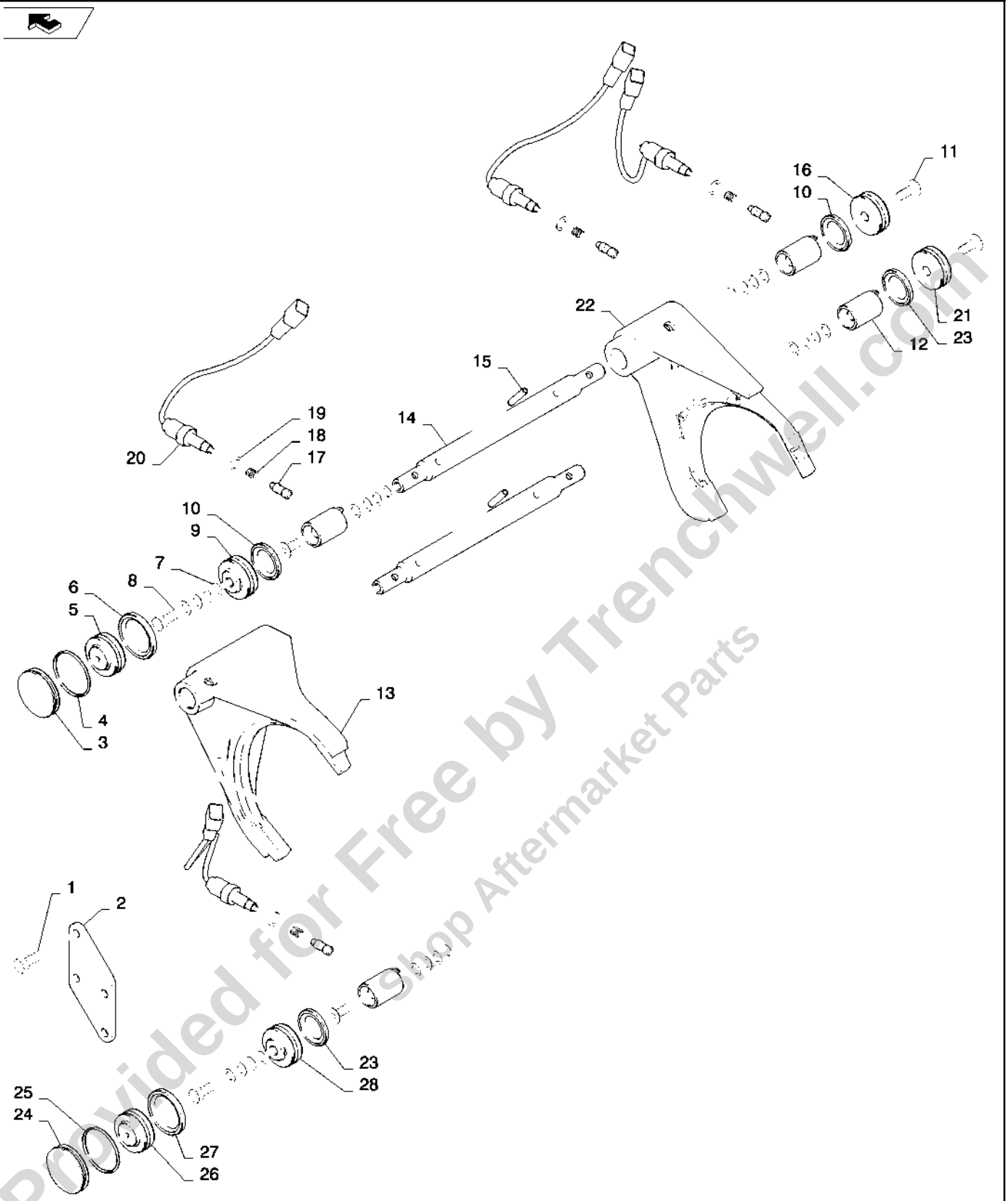
TRANSMISSION - 2WD / 4WD POWERSHIFT S TYPE - SHIFTER MECHANISM



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TRANSMISSION - 2WD / 4WD POWERSHIFT S TYPE - SHIFTER MECHANISM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		120104		4	SCREW, Hex, M8 x 1.25 x 20.00mm, Cl 8.8, ZND
2		84367031		1	PLATE
3		84367032		1	PLUG
4		238-5130		1	O-RING, -130, 70 Duro, 1.612" ID x .103" Thk
5		84367033		1	PISTON, 3N4 Neutral
6		84367034		1	SEAL, 3N4 Piston; Includes O-ring and Teflon Seal
7		84367035		6	SHIM, 0.1 mm
7		84367036		6	SHIM, 0.3 mm
7		84367037		6	SHIM, 0.5 mm
7		84367038		6	SHIM, 1 mm
8		84367039		2	SCREW
9		84367040		1	PISTON, Third Speed
10		84367041		2	SEAL, Third and Fourth Speed Pistons; Includes O-ring and Teflon Seal
11		84367049		4	SCREW
12		84367042		4	BUSHING
13		84367043		1	SHIFTER FORK
14		84367044		2	SHIFT RAIL
15		84367045		2	PIN
16		84367046		1	PISTON, Fourth speed
17		84367047		4	PIN
18		84367048		4	SPRING
19		87578908		4	O-RING, O-RING
20		84367050		4	SWITCH
21		84367051		1	PISTON, Second Speed
22		84367052		1	SHIFTER FORK
23		84367053		2	SEAL, First and Second Speed Pistons; Includes O-ring and Teflon Seal
24		84367054		1	PLUG
25		84367055		1	O-RING
26		84367056		1	PISTON, 1N4 Neutral
27		84367057		1	SEAL, 1N4 Piston; Includes O-ring and Teflon Seal
28		84367058		1	PISTON, First Speed

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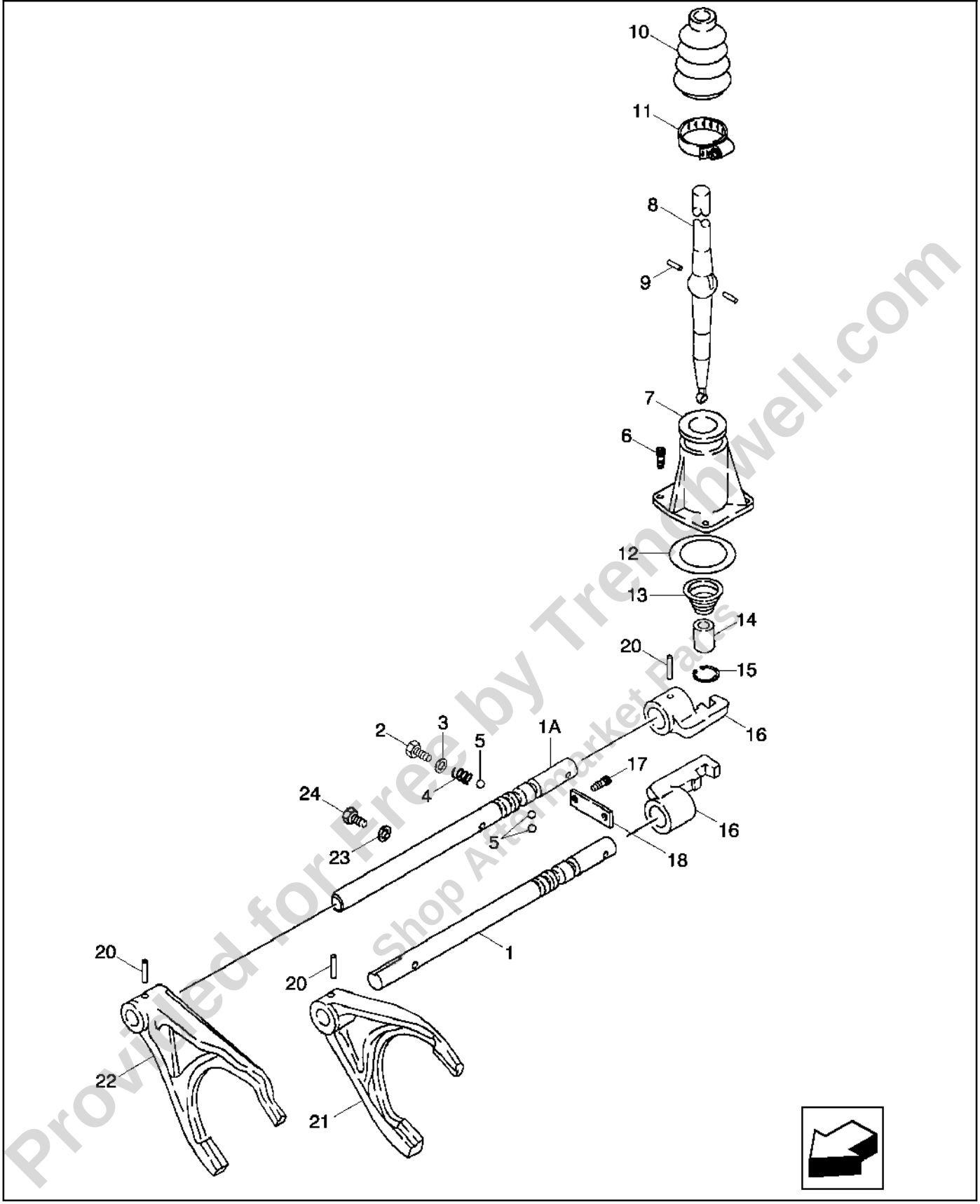
TRANSMISSION - 2WD - SHIFTER MECHANISM



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TRANSMISSION - 2WD - SHIFTER MECHANISM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395300		1	TRANSMISSION, Two Wheel Drive, Incl. Ref 1 - 24
		87395300R			REMAN-TRANSMISSION, Remanufactured, 2WD, N.A. Only
		87395300C			CORE-TRANSMISSION, Return Number, 2WD, N.A. Only
1		181245A2		1	SHIFT RAIL, Fork; First and second
1A		87578867		1	SHIFT RAIL, Fork; Third and Fourth
2		87701338		2	BOLT
3		87429994		2	SEALING WASHER, 12 x 20 x 1.5 mm
4		1966993C1		2	SPRING
5		181139A1		4	BALL
6		864-8025		3	HEX SOC SCREW, Hex Soc Hd, M8 x 25, 8.8
7		181171A1		1	COVER
8		190428A3		1	LEVER
9		1967585C1		2	PIN
10		1967581C1		1	BOOT
11		181177A1		1	CLAMP
12		181138A1		1	O-RING, 59.99mm ID x 2.62mm Width
13		278533A1		1	SPRING
14		278532A1		1	BUSHING
15		279039A1		1	RING SNAP
16		181173A1		2	SELECTOR, Shifter
17		864-10025		2	SCREW, Hex Soc Hd, M10 x 25, 8.8
18		181175A1		1	PLATE
20		905794R1		4	PIN, M6 x 30, Coiled
21		181203A1		1	SHIFTER FORK, First and Second
22		181174A2		1	SHIFTER FORK, Third and Fourth
23		87429985		1	COPPER WASHER
24		181100A1		1	PLUG, M10 x 23

580N 580SN WT
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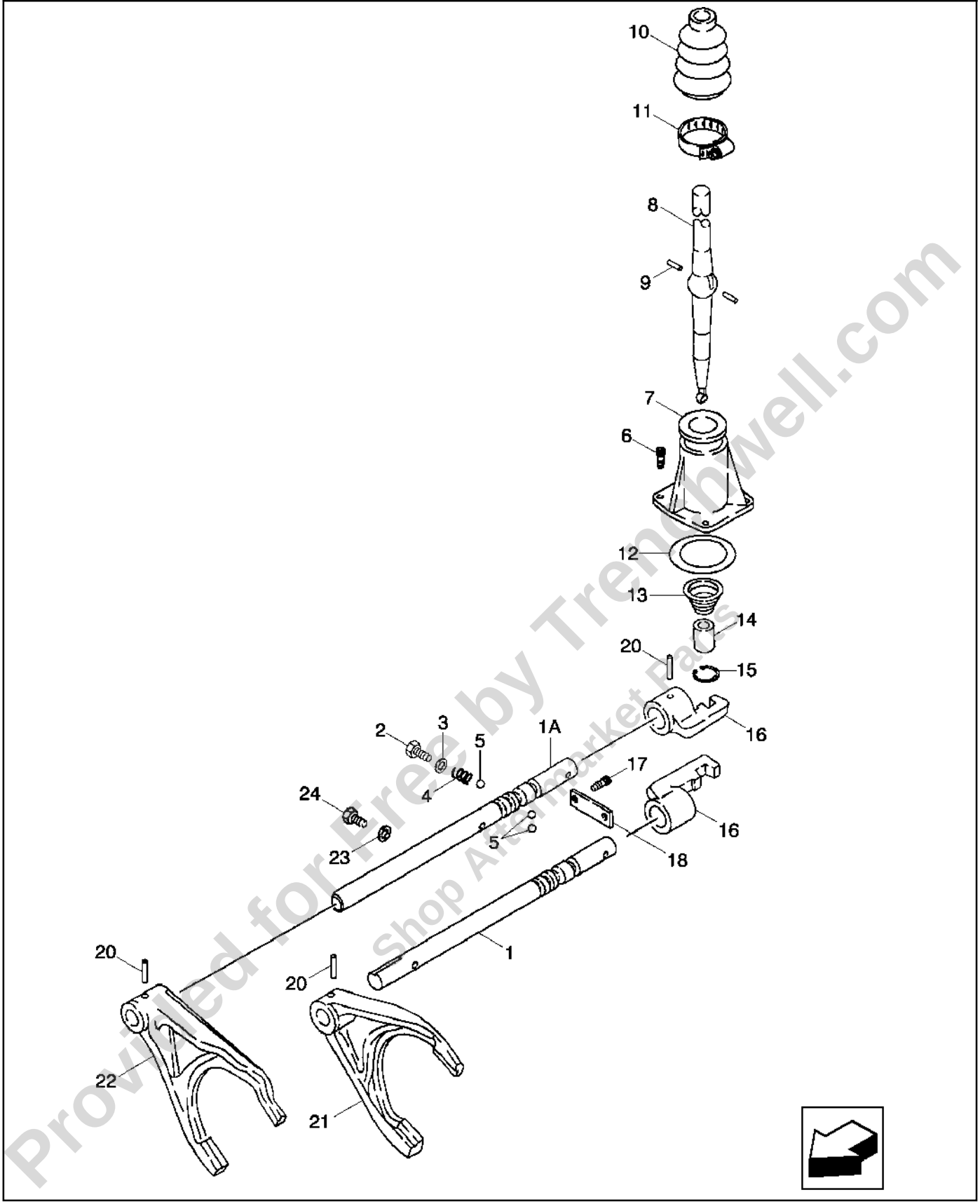
TRANSMISSION - 4WD - SHIFTER MECHANISM



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TRANSMISSION - 4WD - SHIFTER MECHANISM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive, Inc 1 - 24
		87395301R		1	REMAN-TRANSMISSION, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
1		181245A2		1	SHIFT RAIL, Fork; First and second
1A		87578867		1	SHIFT RAIL, Fork; Third and Fourth
2		614-12016		2	BOLT, Hex, M12 x 16, 8.8, Full Thd
3		87429994		2	SEALING WASHER, 12 x 20 x 1.5 mm
4		1966993C1		2	SPRING
5		181139A1		4	BALL
6		864-8025		3	HEX SOC SCREW, Hex Soc Hd, M8 x 25, 8.8
7		181171A1		1	COVER
8		190428A3		1	LEVER
9		1967585C1		2	PIN
10		1967581C1		1	BOOT
11		181177A1		1	CLAMP
12		181138A1		1	O-RING, 59.99mm ID x 2.62mm Width
13		278533A1		1	SPRING
14		278532A1		1	BUSHING
15		279039A1		1	RING SNAP
16		181173A1		2	SELECTOR, Shifter
17		864-10025		2	SCREW, Hex Soc Hd, M10 x 25, 8.8
18		181175A1		1	PLATE
20		905794R1		4	PIN, M6 x 30, Coiled
21		181203A1		1	SHIFTER FORK, First and Second
22		181174A2		1	SHIFTER FORK, Third and Fourth
23		87429985		1	COPPER WASHER
24		181100A1		1	PLUG, M10 x 23

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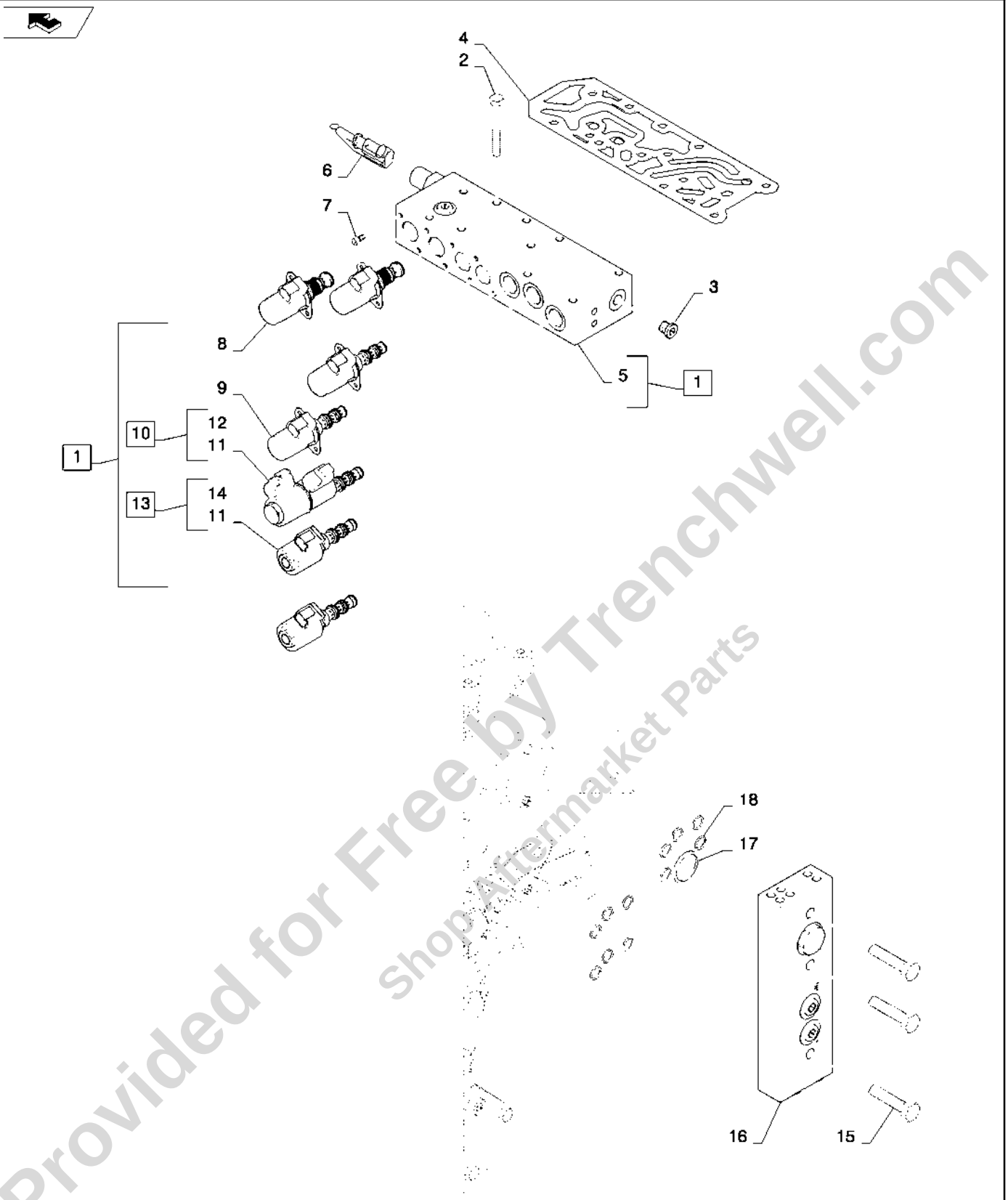
TRANSMISSION - 2WD / 4WD POWERSHIFT S TYPE- VALVE, CONTROL



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TRANSMISSION - 2WD / 4WD POWERSHIFT S TYPE- VALVE, CONTROL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84367060		1	CONTROL VALVE, Incl. Ref 5, 8, 9, 10, 13
2		87705723		10	BOLT
3		9625178		2	PLUG, Hex Soc, 9/16"-18 ORB
4		84367061		1	GASKET
5		84367062		1	CONTROL VALVE
6		87705716		1	SENSOR
7		14304021		8	SCREW, Hex Soc Hd, M5 x 10, 8.8
8		84367063		2	SOLENOID
9		87705567		2	SOLENOID VALVE
10		{84574140}		1	SOLENOID VALVE; Incl. Ref 11, 12
11		{84574143}		4	COIL
12		84367064		1	SOLENOID
13		{84574141}		2	SOLENOID VALVE; Incl. Ref 11, 14
14		84367065		2	SOLENOID
15		84062222		5	BOLT, Hex, M10 x 45, 8.8, Full Thd
16		84376066		1	MANIFOLD VALVE
17		84367067		1	O-RING
18		100760A1		12	O-RING

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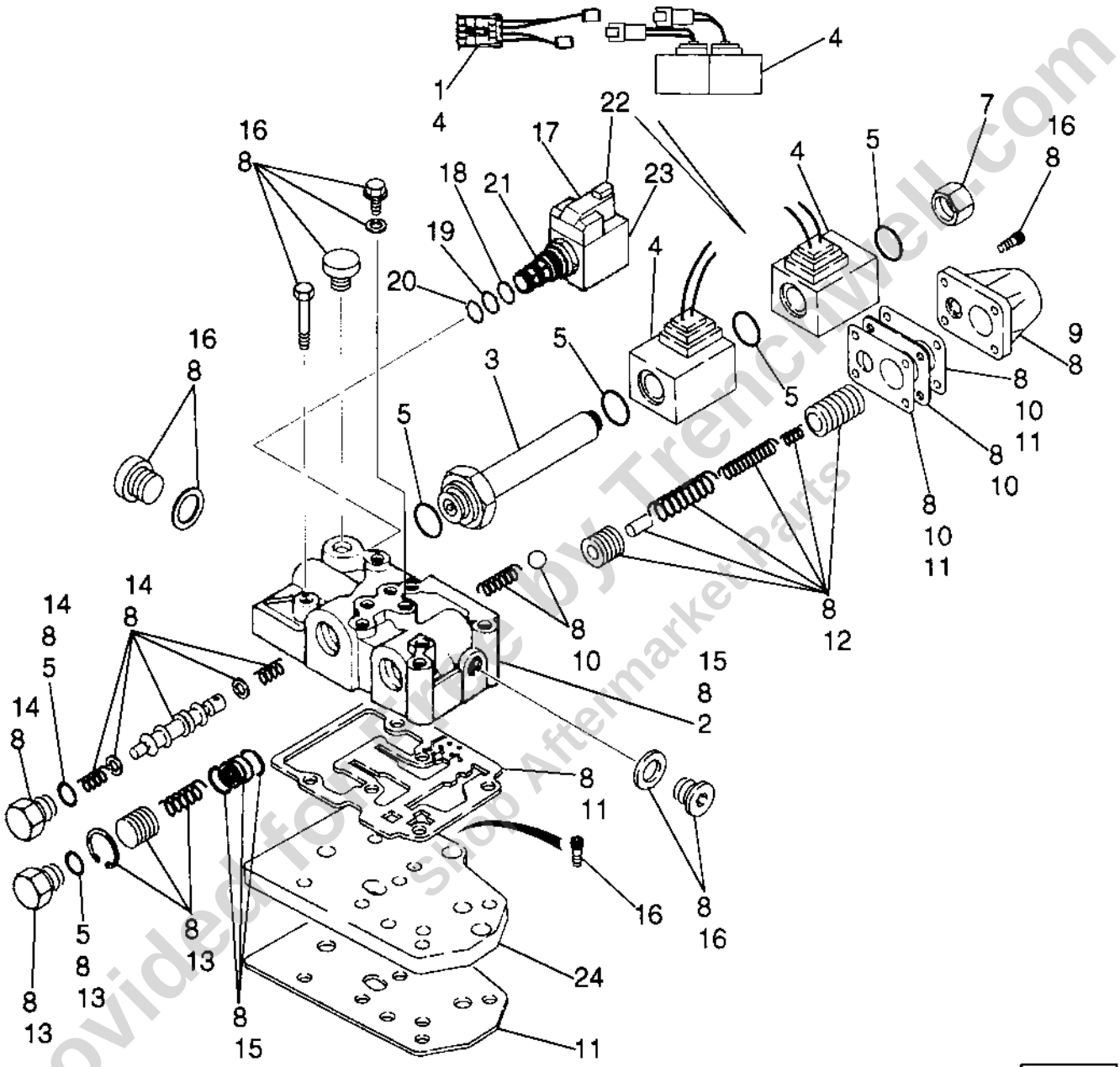
TRANSMISSION - 2WD - VALVE, CONTROL



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TRANSMISSION - 2WD - VALVE, CONTROL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395300		1	TRANSMISSION, Two Wheel Drive, Incl. Ref 1 - 23
		87395300R			REMAN-TRANSMISSION, Remanufactured, 2WD, N.A. Only
		87395300C			CORE-TRANSMISSION, Return Number, 2WD, N.A. Only
		87525756		1	REPAIR KIT, Transmission Control Valve With Jumper Harness; Includes (1) 87456968 Forward/Reverse Jumper Harness, Ref 1; Plus (1) 87524409 Control Valve, Ref 1 - 23
1		87456968		1	WIRE HARNESS, Jumper; If Used; Female Packard Connector; Required On Transmissions Prior To Ones With Deutsch Connector Type Solenoids
		87524409		1	CONTROL VALVE, Transmission Control, With Improved Snap Ring at Flow Divider Area; Incl. Ref 2 - 23
2		NSS		1	NOT SERVICED SEPARATELY, Housing
3		190442A1		1	PLUNGER
4		87456900		1	SERVICE KIT, Solenoid; Includes (2) Solenoids, (1) Jumper Wire Used For Transmissions Prior to Ones With The Solenoids With Plastic Connections
5		87524436		1	REPAIR KIT, Seal; Includes (6) O-Rings; Component Parts Not Serviced Separately
7		87530365		1	PLUG
8		87524441		1	KIT, Valve Body; Component Parts Not Serviced Separately
9		181251A1		1	COVER, Modulation
10		87524439		1	REPAIR KIT, Plate; Includes (1) Plate, (2) Gasket, (1) Ball, (1) Spring; Component Parts Not Serviced Separately
11		87524437		1	REPAIR KIT, Gasket; Includes (2) Gasket Plates; Component Parts Not Serviced Separately
12		87524438		1	REPAIR KIT, Modulation Valve; Includes (2) Piston, (1) Pin, (3) Spring; Component Parts Not Serviced Separately

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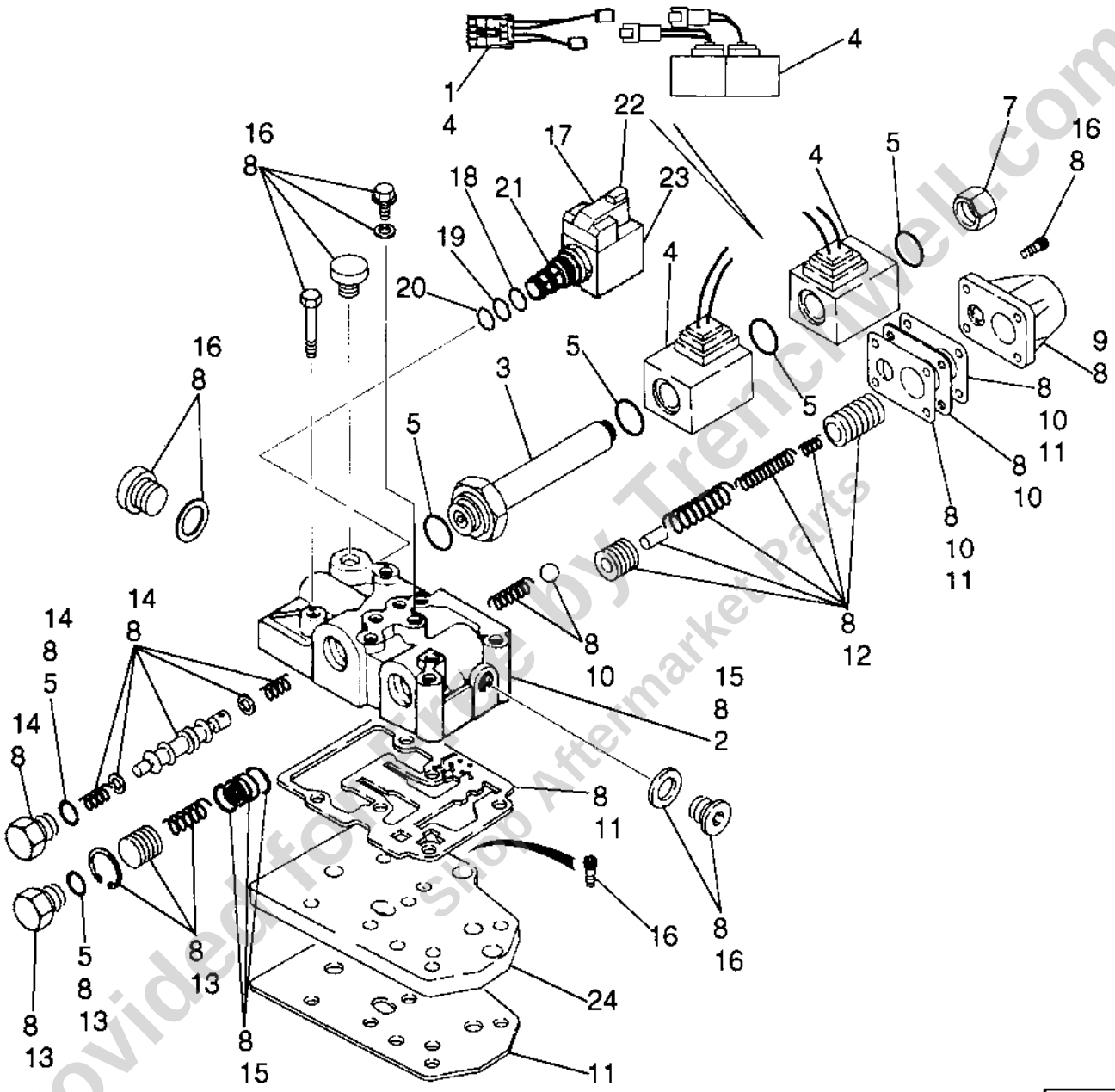
TRANSMISSION - 2WD - VALVE, CONTROL



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TRANSMISSION - 2WD - VALVE, CONTROL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
13		87524433		1	REPAIR KIT, Flow Divider Piston; Includes (1 each) Plug, O-Ring, Spring, Piston, Snap Ring; Component Parts Not Serviced Separately
14		87524432		1	REPAIR KIT, Forward/Reverse Spool; Includes (1) O-Ring, (2) Washer, (1) Plug, (1) Piston Spool, (2) Spring; Component Parts Not Serviced Separately
15		87524440		1	REPAIR KIT, Control Valve Body/Housing; Includes (1) Housing, Plus (1) Bushing, (2) Snap Rings at Flow Divider; Component Parts Not Serviced Separately
16		87524435		1	REPAIR KIT, Bolt; Includes (7) Plugs, (13) Bolts, (6) Copper Washers; Component Parts Not Serviced Separately
17		349295A1		1	SOLENOID VALVE, Differential Lock Solenoid Valve; Incl. Ref 18 - 23
18		237-6008		1	O-RING, 0.176" ID x 0.316" OD x 0.07"
19		238-5014		1	O-RING, 0.489" ID x 0.629" OD x 0.07"
20		238-5013		1	O-RING, 0.426" ID x 0.566" OD x 0.07"
21		349291A1		1	CARTRIDGE, Valve, Component Parts Not Serviced Separately
21A		196096A1		1	SCREEN, Relief Valve, Internal; Not Illustrated
22		298614A1		1	SOLENOID
23		349292A1		1	NUT
24		181207A1		1	PLATE, Feeding; Not Included in Assembly, Purchase Separately

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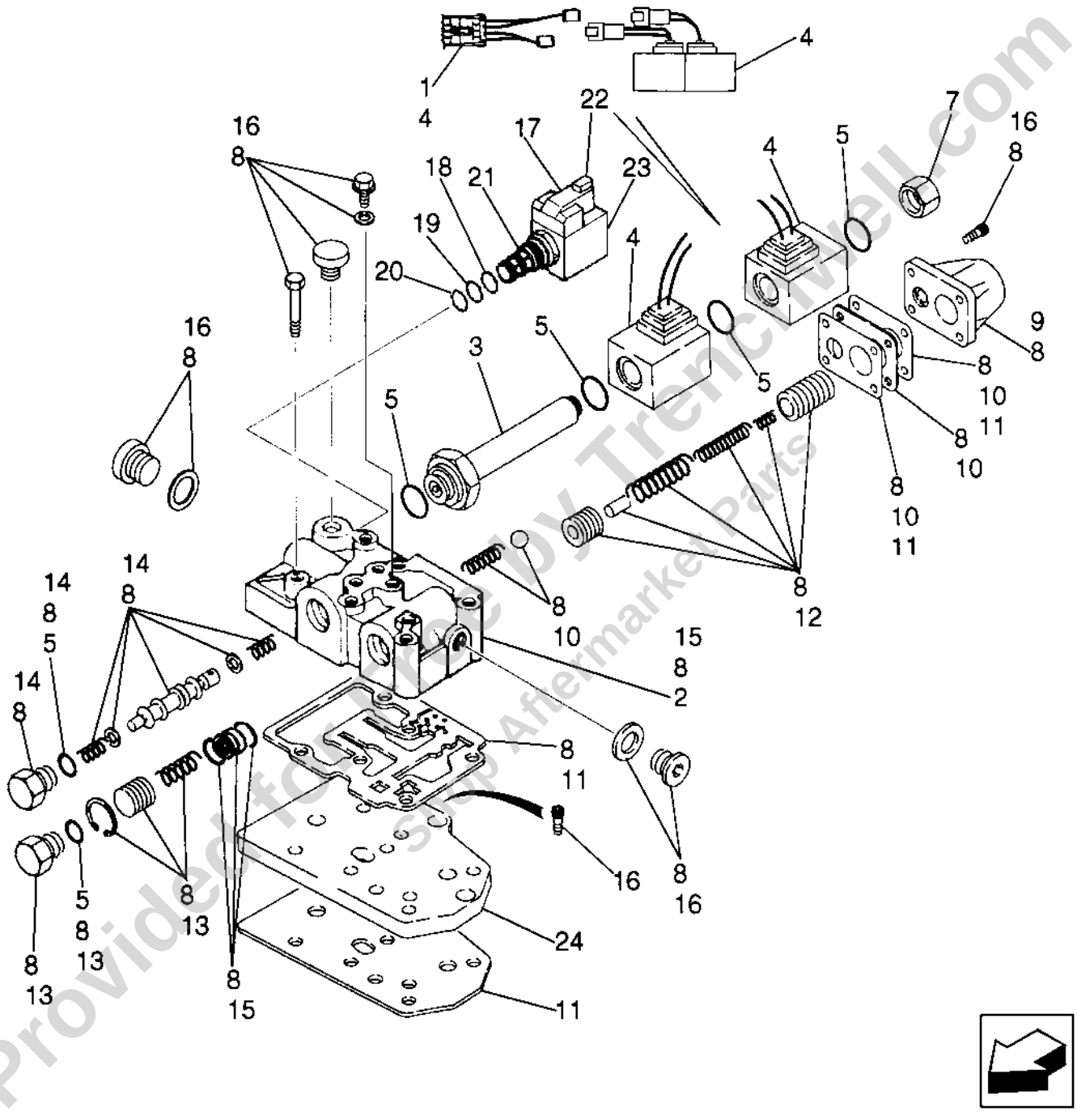
TRANSMISSION - 4WD - VALVE, CONTROL



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TRANSMISSION - 4WD - VALVE, CONTROL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive, Incl. Ref 1 - 23
		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
		87525756		1	REPAIR KIT, Transmission Control Valve With Jumper Harness; Includes (1) 87456968 Forward/Reverse Jumper Harness, Ref 1; Plus (1) 87524409 Control Valve, Ref 1 - 23
1		87456968		1	WIRE HARNESS, Jumper; If Used; Female Packard Connector; Required On Transmissions Prior To Ones With Deutsch Connector Type Solenoids
		87524409		1	CONTROL VALVE, Transmission Control, With Improved Snap Ring at Flow Divider Area; Incl. Ref 2 - 23
2		NSS		1	NOT SERVICED SEPARATELY, HOUSING
3		190442A1		1	PLUNGER
4		87456900		1	SERVICE KIT, Solenoid; Includes (2) Solenoids, (1) Jumper Wire Used For Transmissions Prior to Ones With The Solenoids With Plastic Connections
5		87524436		1	REPAIR KIT, Seal; Includes (6) O-Rings; Component Parts Not Serviced Separately
7		87530365		1	PLUG
8		87524441		1	KIT, Valve Body; Component Parts Not Serviced Separately
9		181251A1		1	COVER, Modulation
10		87524439		1	REPAIR KIT, Plate; Includes (1) Plate, (2) Gasket, (1) Ball, (1) Spring; Component Parts Not Serviced Separately
11		87524437		1	REPAIR KIT, Gasket; Includes (2) Gasket Plates; Component Parts Not Serviced Separately
12		87524438		1	REPAIR KIT, Modulation Valve; Includes (2) Piston, (1) Pin, (3) Spring; Component Parts Not Serviced Separately

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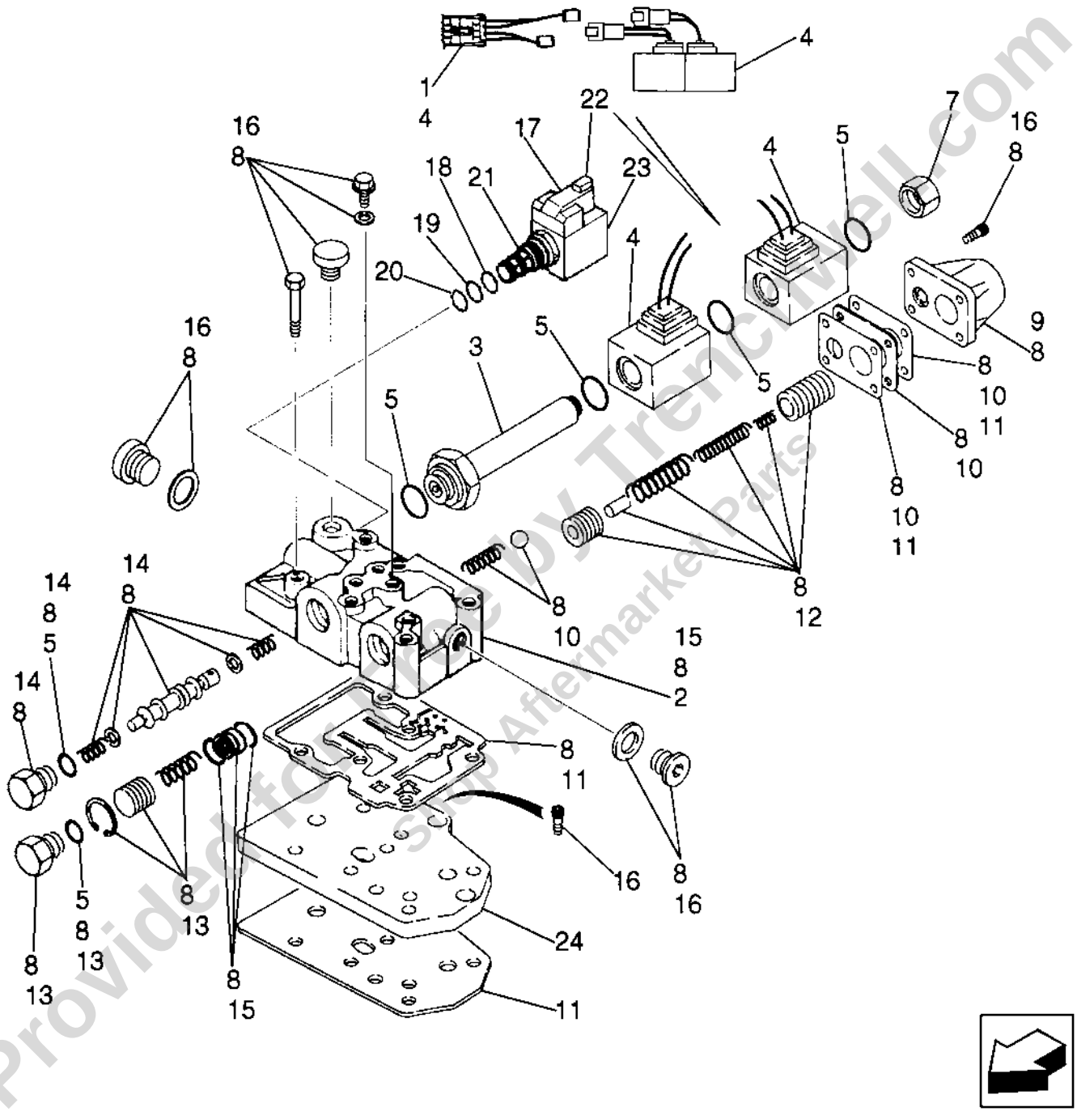
TRANSMISSION - 4WD - VALVE, CONTROL



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TRANSMISSION - 4WD - VALVE, CONTROL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
13		87524433		1	REPAIR KIT, Flow Divider Piston; Includes (1 each) Plug, O-Ring, Spring, Piston, Snap Ring; Component Parts Not Serviced Separately
14		87524432		1	REPAIR KIT, Forward/Reverse Spool; Includes (1) O-Ring, (2) Washer, (1) Plug, (1) Piston Spool, (2) Spring; Component Parts Not Serviced Separately
15		87524440		1	REPAIR KIT, Control Valve Body/Housing; Includes (1) Housing, Plus (1) Bushing, (2) Snap Rings at Flow Divider; Component Parts Not Serviced Separately
16		87524435		1	REPAIR KIT, Bolt; Includes (7) Plugs, (13) Bolts, (6) Copper Washers; Component Parts Not Serviced Separately
17		349295A1		1	SOLENOID VALVE, Differential Lock; Incl. Ref 18 - 23
18		237-6008		1	O-RING, 0.176" ID x 0.316" OD x 0.07"
19		238-5014		1	O-RING, 0.489" ID x 0.629" OD x 0.07"
20		238-5013		1	O-RING, 0.426" ID x 0.566" OD x 0.07"
21		349291A1		1	CARTRIDGE, Valve, Component Parts Not Serviced Separately
21A		196096A1		1	SCREEN, Relief Valve, Internal; Not Illustrated
22		298614A1		1	SOLENOID
23		349292A1		1	NUT
24		181207A1		1	PLATE, Feeding; Not Included in Assembly, Purchase Separately

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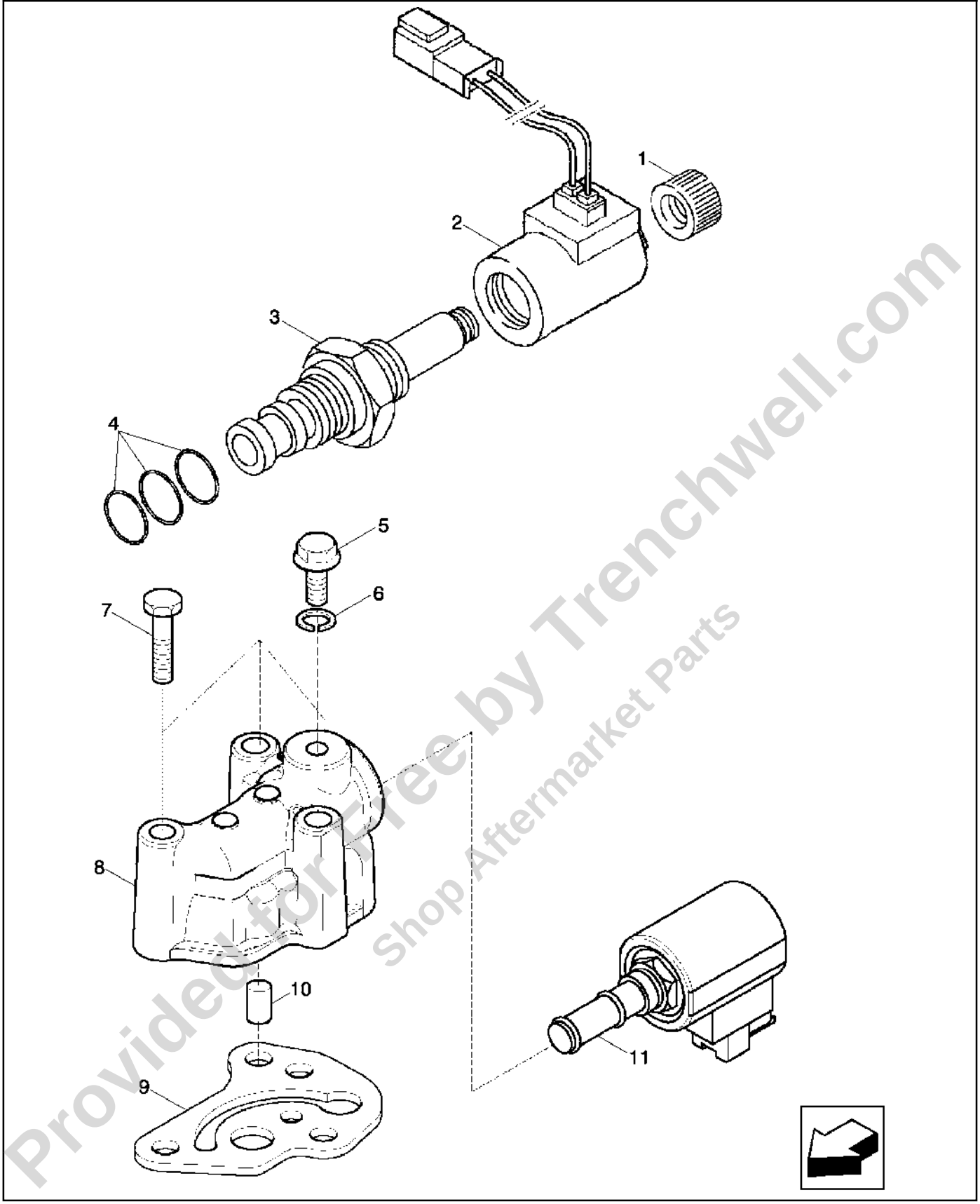
21.134.05		p1	10/10

TRANSMISSION - 4WD - VALVE, SOLENOID



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TRANSMISSION - 4WD - VALVE, SOLENOID

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive, Incl. Ref 1 - 10
		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
		87429978		1	SOLENOID VALVE, Incl. Ref 1 - 4; With Deutsch Connectors
1		NSS		1	NOT SERVICED SEPARATELY, NUT
2		NSS		1	NOT SERVICED SEPARATELY, COIL
3		NSS		1	NOT SERVICED SEPARATELY, VALVE Solenoid
4		NSS		1	NOT SERVICED SEPARATELY, KIT Seal, Includes 238-5014, 238-5015, 237-6010 O-Rings, Kit Not Serviced Separately
5		181100A1		1	PLUG, M10 x 23
6		934667R1		1	COPPER WASHER, M10 x 14 x 1
7		814-8060		3	BOLT, Hex, M8 x 60, 8.8
8		321428A1		1	HOUSING
9		366910A1		1	SEAL
10		190431A1		1	VALVE, Installed Between Ref 8 and 9
11		87456901		1	SOLENOID VALVE, Component Parts Not Serviced Separately; Includes Solenoid and Ref 12 Jumper Harness; Jumper Is For Coverting Transmissions Prior to Connector Change From Weather Pack to Deutsch
12		87456969		1	WIRE HARNESS, Jumper; Weather Pack Connector/Deutsch Connector

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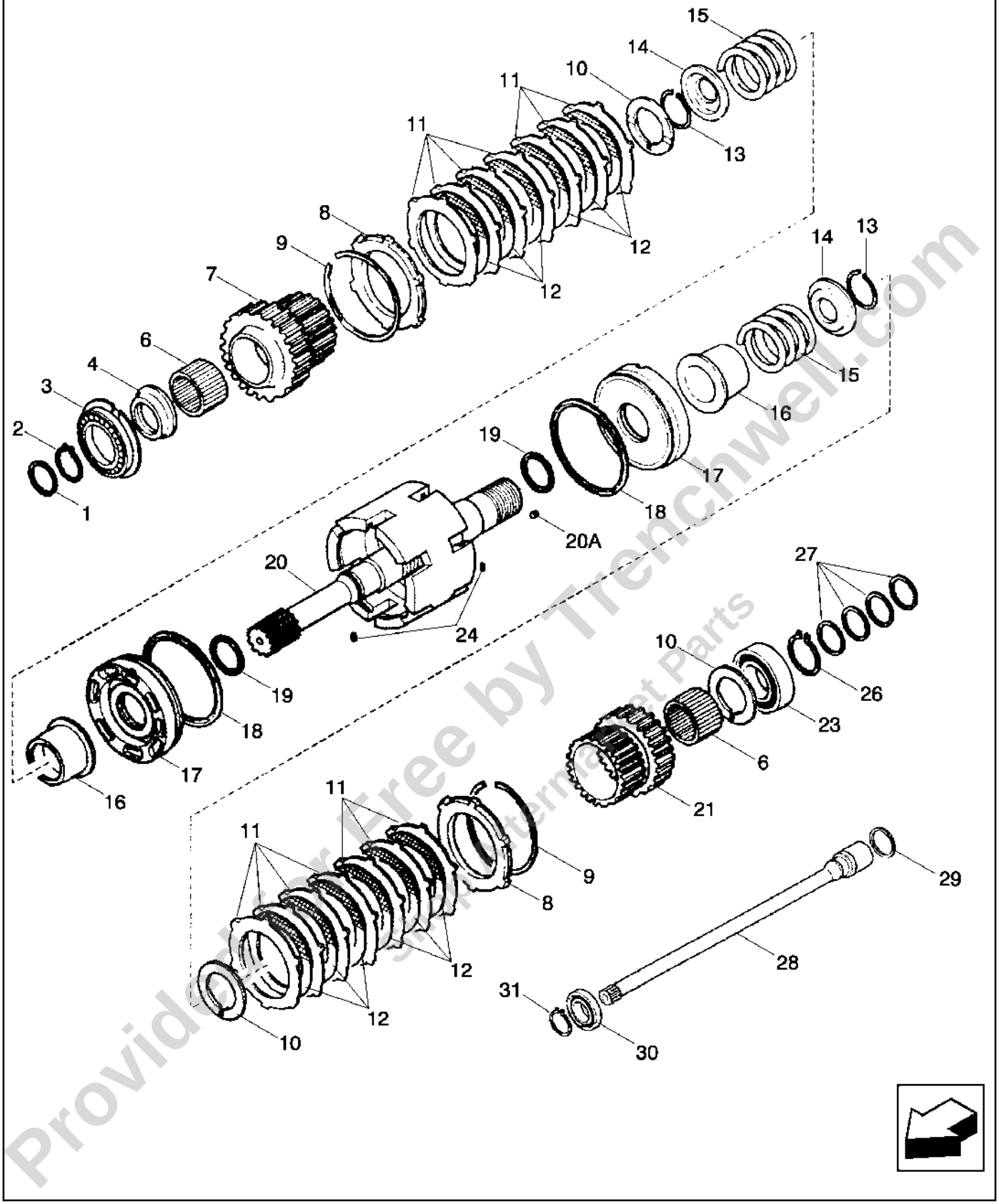
21.140.01	01	p1	11/11

TRANSMISSION - 2WD - SHAFT, INPUT & PTO



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TRANSMISSION - 2WD - SHAFT, INPUT & PTO

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395300		1	TRANSMISSION, Two Wheel Drive, Incl. Ref 1 - 31
		87395300R			REMAN-TRANSMISSION, Remanufactured, 2WD, N.A. Only
		87395300C			CORE-TRANSMISSION, Return Number, 2WD, N.A. Only
		84468418		1	CLUTCH INPUT SHAFT, INPUT/PTO SHAFT; Incl. Ref 1 - 31
1		358645A1		2	OIL SEAL
2		A48041		1	CIRCLIP
3		181128A1		1	BEARING, BALL, 45 mm ID x 91.6 mm OD x 19 mm
4		358635A1		1	SPACER, 68 x 45 x 105 mm
6		358633A1		2	BEARING, NEEDLE
7		358632A1		1	PINION, Gear, 35T
8		310519A1		2	PLATE
9		181116A1		2	RING, LOCK
10		358640A1		3	THRUST WASHER
11		181159A1		14	DISC, Plate
12		181158A1		12	CLUTCH DISK, Plate
13		181111A1		2	RING, LOCK
14		181161A1		2	PLATE, THRUST, Pressure
15		358637A1		2	SPRING
16		358641A1		2	TRANSMISSION SLEEVE
17		358644A1		2	PISTON
18		358643A1		2	SEALRING
19		358642A1		2	SEALRING
20		87525849		1	REPAIR KIT, Input Shaft, Incl Ref 20A (4) 139312A1 Rivets; Also Incl (1) 87429973 Input Shaft Which Is Not Serviced Separately
20A		139312A1		4	PLUG, Rivet
21		358638A1		1	PINION, Gear, 29T
23		ST264		1	BEARING, BALL, 50 mm ID x 90 mm OD x 20 mm
24		181108A1		2	SPLIT PIN
26		800-1150		1	SNAP RING, M50, Ext
27		87429984		4	RING
28		87705460		1	PTO SHAFT

580N 580SN WT
590SN 580SN

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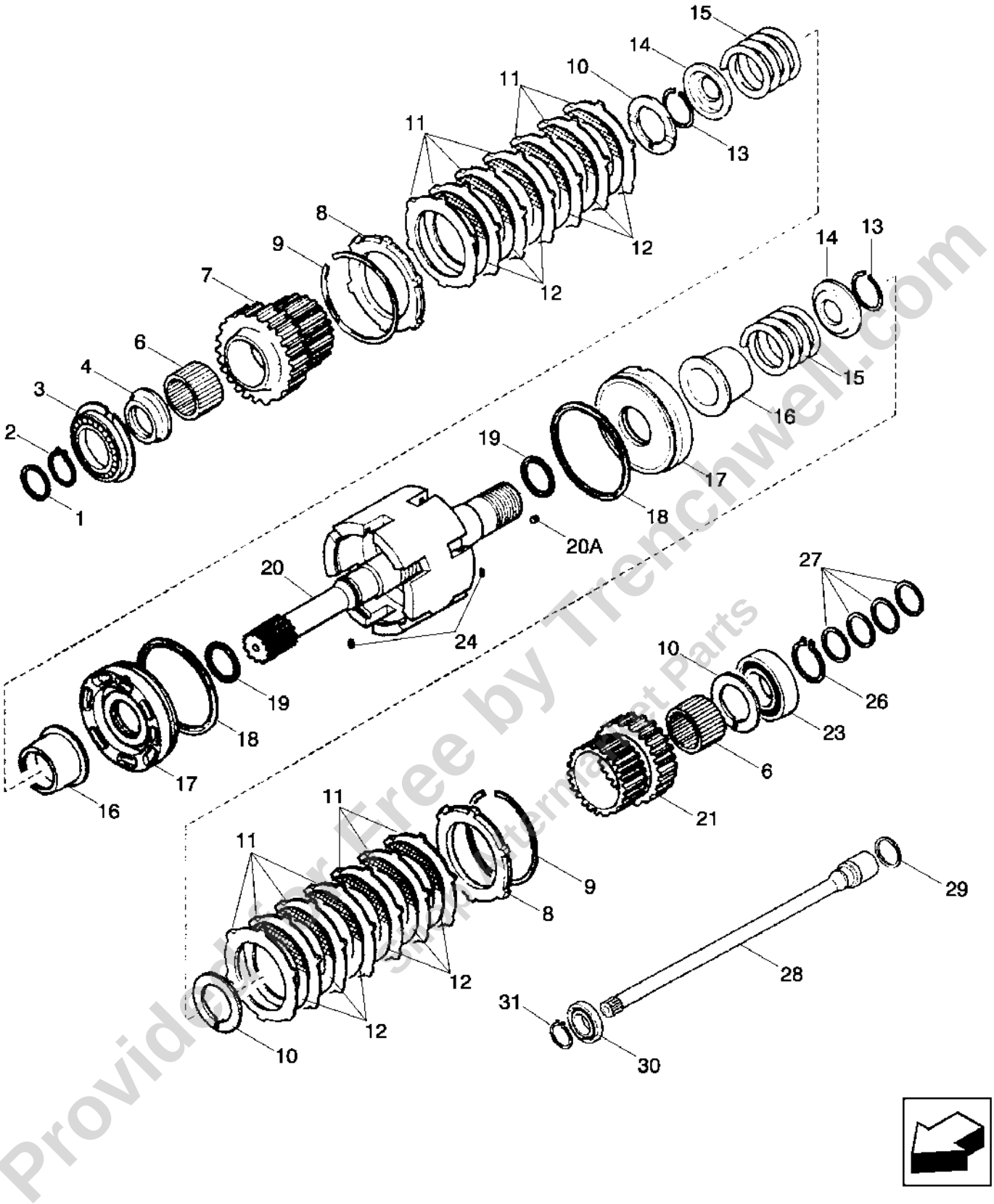
21.140.01	01	p2	11/11

TRANSMISSION - 2WD - SHAFT, INPUT & PTO



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TRANSMISSION - 2WD - SHAFT, INPUT & PTO

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
29		358645A1		1	OIL SEAL
30		87429983		1	BALL BEARING, 30 mm ID x 55 mm OD x 13 mm
31		800-1130		1	SNAP RING, M30, Ext

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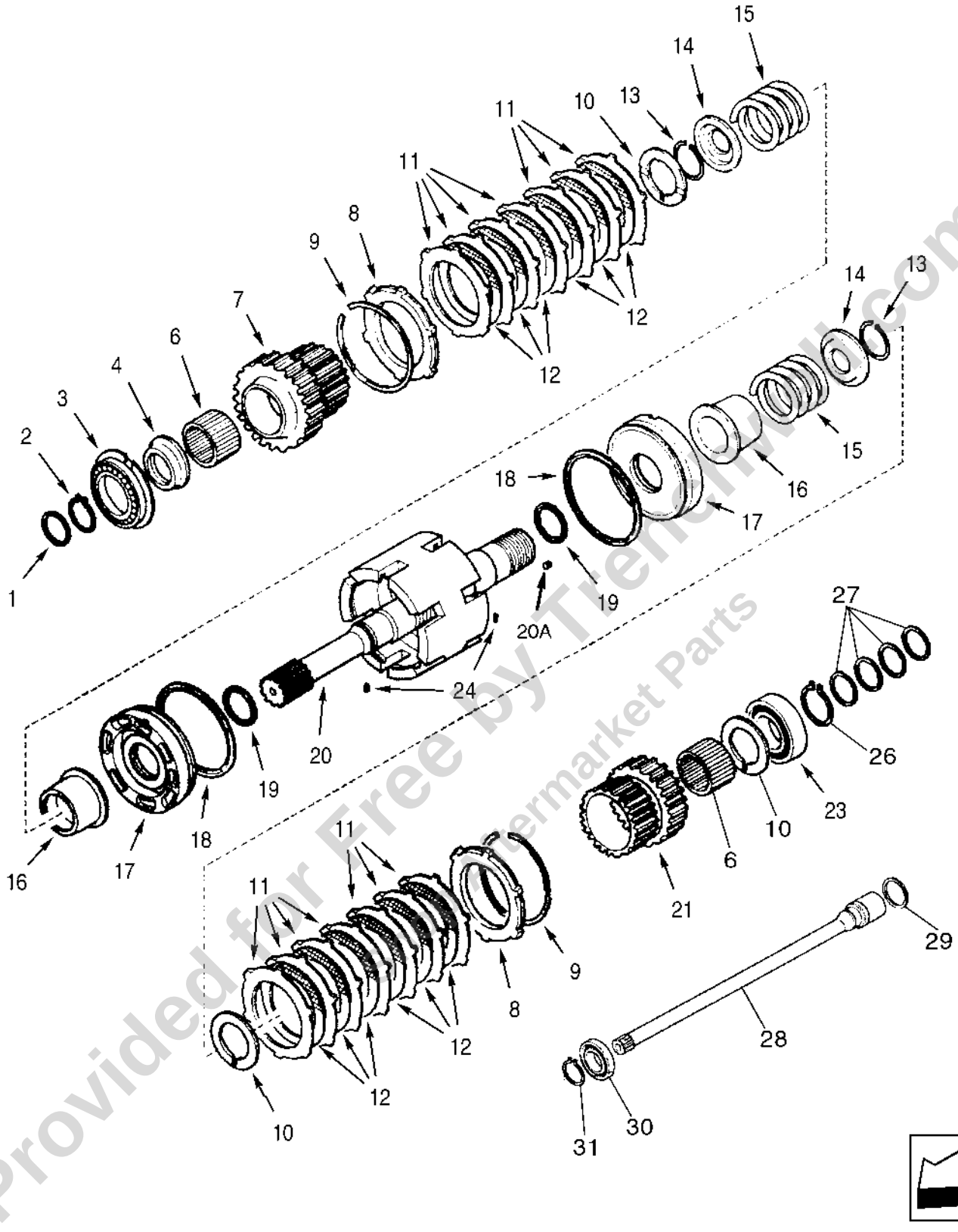
21.140.01	02	p1	11/11

TRANSMISSION - 4WD - SHAFT, INPUT & PTO



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TRANSMISSION - 4WD - SHAFT, INPUT & PTO

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive, Incl. Ref 1 - 31
		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
		84468418		1	CLUTCH INPUT SHAFT, INPUT/PTO SHAFT; Incl. Ref 1 - 31
1		358645A1		1	OIL SEAL
2		A48041		1	CIRCLIP
3		181128A1		1	BEARING, BALL, 45 mm ID x 91.6 mm OD x 19 mm
4		358635A1		1	SPACER, 68 x 45 x 105 mm
6		358633A1		2	BEARING, NEEDLE
7		358632A1		1	PINION, Gear, 35T
8		310519A1		2	PLATE
9		181116A1		2	RING, LOCK
10		358640A1		3	THRUST WASHER
11		181159A1		14	DISC, Plate
12		181158A1		12	CLUTCH DISK, Plate
13		181111A1		2	RING, LOCK
14		181161A1		2	PLATE, THRUST, Pressure
15		358637A1		2	SPRING
16		358641A1		2	TRANSMISSION SLEEVE
17		358644A1		2	PISTON
18		358643A1		2	SEALRING
19		358642A1		2	SEALRING
20		87525849		1	REPAIR KIT, Input Shaft, Incl Ref 20A (4) 139312A1 Rivets; Also Incl (1) 87429973 Input Shaft Which Is Not Serviced Separately
20A		139312A1		4	PLUG, Rivet
21		358638A1		1	PINION, Gear, 29T
23		ST264		1	BEARING, BALL, 50 mm ID x 90 mm OD x 20 mm
24		181108A1		2	SPLIT PIN
26		800-1150		1	SNAP RING, M50, Ext
27		87429984		4	RING
28		87705460		1	PTO SHAFT

580N 580SN WT
590SN 580SN

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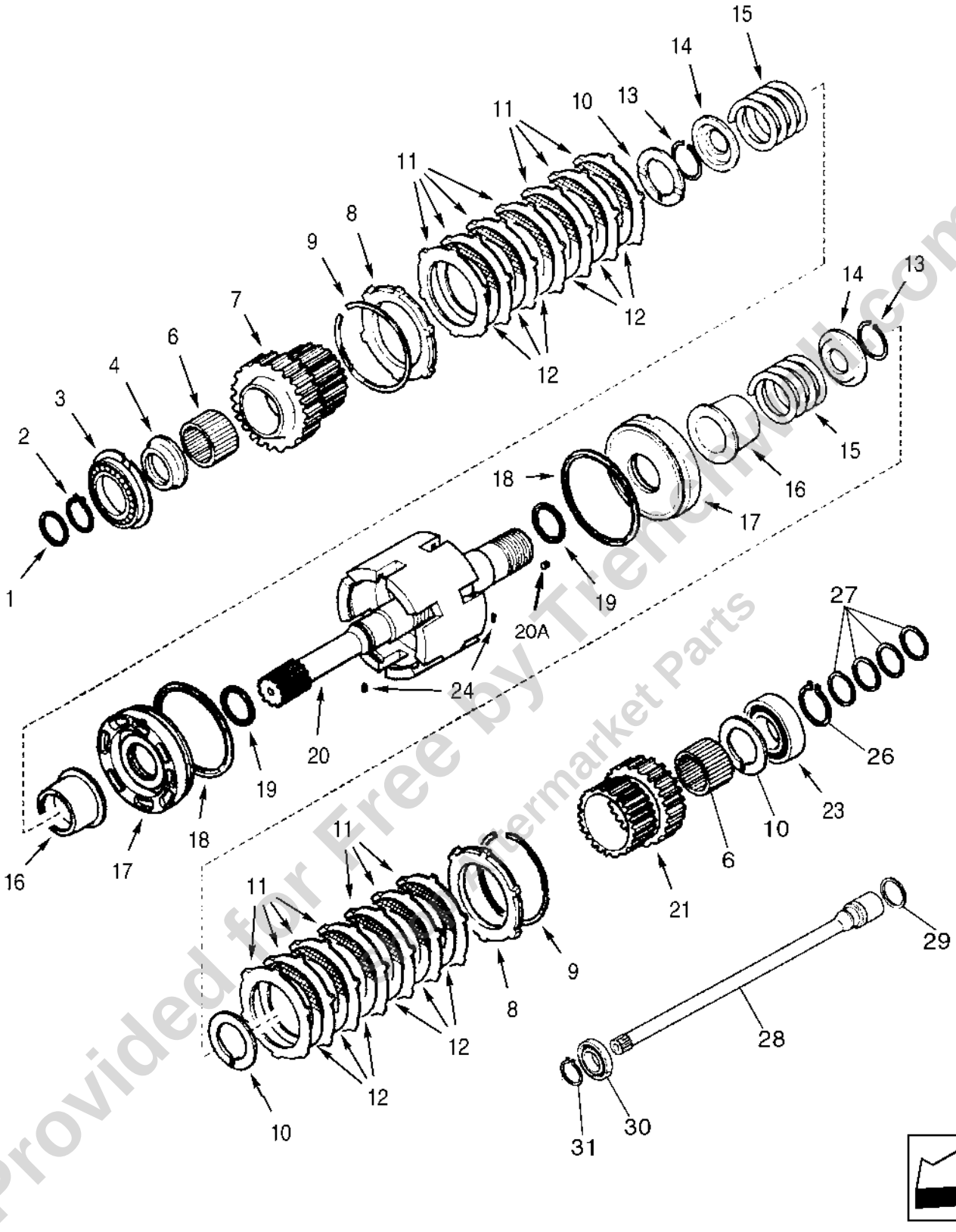
21.140.01	02	p2	11/11

TRANSMISSION - 4WD - SHAFT, INPUT & PTO



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TRANSMISSION - 4WD - SHAFT, INPUT & PTO

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
29		358645A1		1	OIL SEAL
30		87429983		1	BALL BEARING, 30 mm ID x 55 mm OD x 13 mm
31		800-1130		1	SNAP RING, M30, Ext

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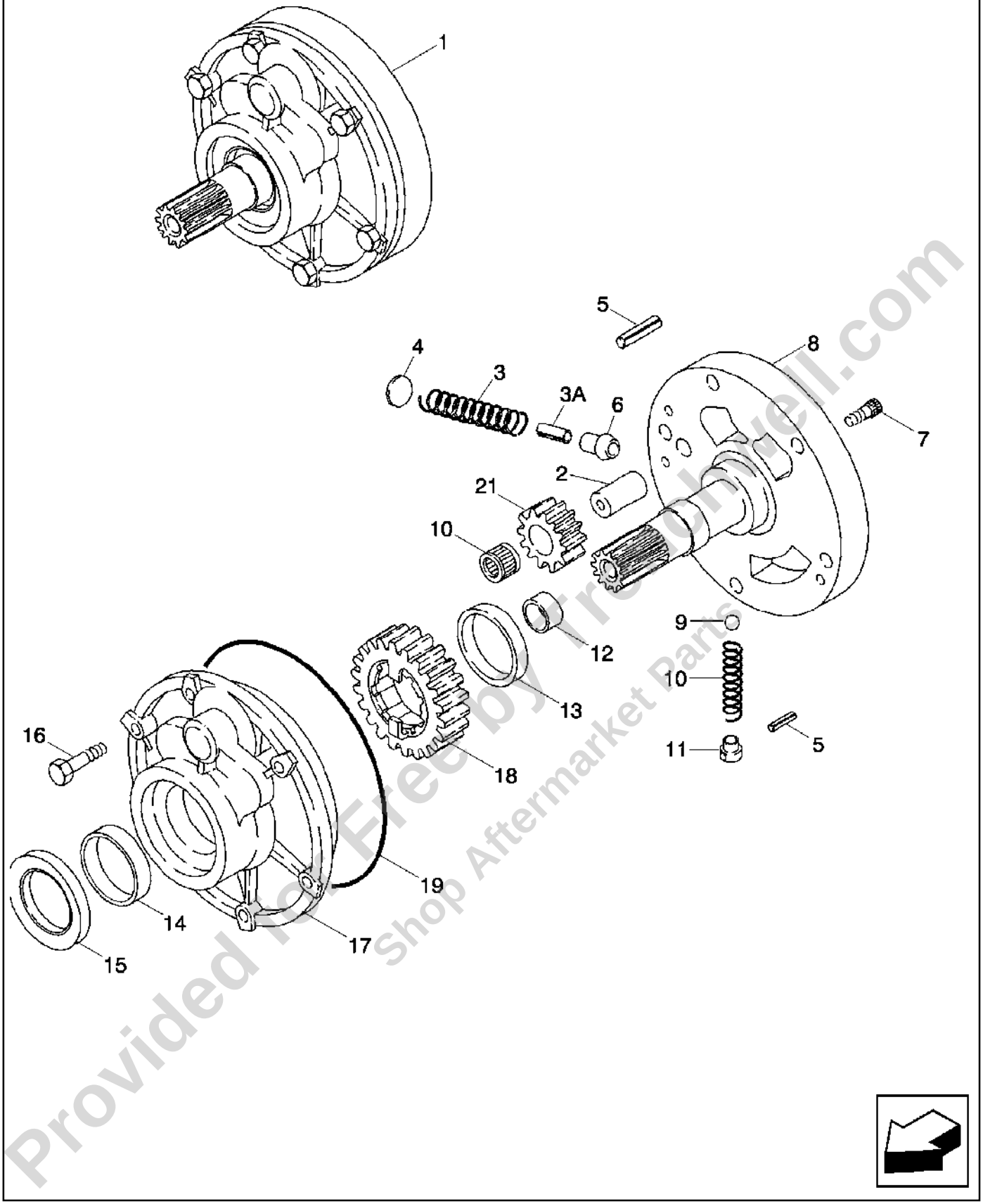
21.154.01	01	p1	10/10

TRANSMISSION - 2WD - PUMP, OIL



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TRANSMISSION - 2WD - PUMP, OIL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395300		1	TRANSMISSION, Two Wheel Drive, Incl. Ref 1 - 21
		87395300R			REMAN-TRANSMISSION, Remanufactured, 2WD, N.A. Only
		87395300C			CORE-TRANSMISSION, Return Number, 2WD, N.A. Only
1		87429970		1	PUMP, Charge, Incl. Ref 2 - 21
2		NSS		1	NOT SERVICED SEPARATELY, SHAFT
3		NSS		1	NOT SERVICED SEPARATELY, SPRING
3A		NSS		1	NOT SERVICED SEPARATELY, PIN
4		NSS		1	NOT SERVICED SEPARATELY, STOP
5		NSS		2	NOT SERVICED SEPARATELY, PIN Roll
6		NSS		1	NOT SERVICED SEPARATELY, PISTON
7		NSS		2	NOT SERVICED SEPARATELY, BOLT
8		NSS		1	NOT SERVICED SEPARATELY, SUPPORT
9		NSS		1	NOT SERVICED SEPARATELY, BALL
10		NSS		1	NOT SERVICED SEPARATELY, SPRING
11		NSS		1	NOT SERVICED SEPARATELY, GUIDE
12		NSS		1	NOT SERVICED SEPARATELY, BUSHING
13		NSS		1	NOT SERVICED SEPARATELY, BUSHING
14		NSS		1	NOT SERVICED SEPARATELY, BUSHING
15		87429971		1	OIL SEAL
16		814-8060		6	BOLT, Hex, M8 x 60, 8.8
17		NSS		1	NOT SERVICED SEPARATELY, HOUSING
18		NSS		1	NOT SERVICED SEPARATELY, GEAR 23T
19		181142A1		1	O-RING, 183.82mm ID x 2.62mm Width
20		NSS		1	NOT SERVICED SEPARATELY, BEARING Needle
21		NSS		1	NOT SERVICED SEPARATELY, GEAR 12T

580N 580SN WT
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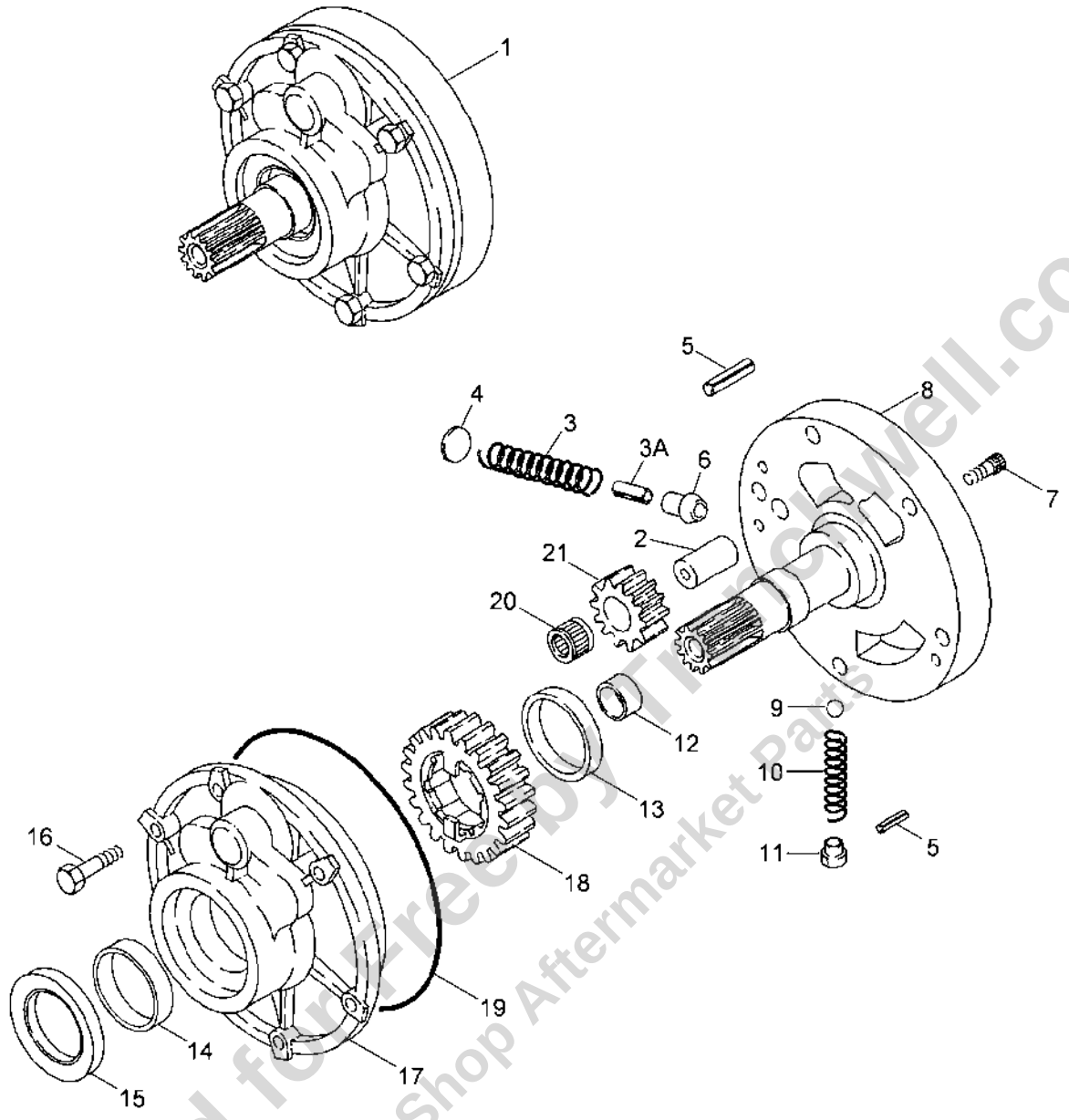
21.154.01	02	p1	10/10

TRANSMISSION - 4WD - PUMP, OIL



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TRANSMISSION - 4WD - PUMP, OIL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive, Incl. Ref 1 - 21
		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
1		87429970		1	PUMP, Charge, Incl. Ref 2 - 21
2		NSS		1	NOT SERVICED SEPARATELY, SHAFT
3		NSS		1	NOT SERVICED SEPARATELY, SPRING
3A		NSS		1	NOT SERVICED SEPARATELY, PIN
4		NSS		1	NOT SERVICED SEPARATELY, STOP
5		NSS		2	NOT SERVICED SEPARATELY, PIN Roll
6		NSS		1	NOT SERVICED SEPARATELY, PISTON
7		NSS		2	NOT SERVICED SEPARATELY, BOLT
8		NSS		1	NOT SERVICED SEPARATELY, SUPPORT
9		NSS		1	NOT SERVICED SEPARATELY, BALL
10		NSS		1	NOT SERVICED SEPARATELY, SPRING
11		NSS		1	NOT SERVICED SEPARATELY, GUIDE
12		NSS		1	NOT SERVICED SEPARATELY, BUSHING
13		NSS		1	NOT SERVICED SEPARATELY, BUSHING
14		NSS		1	NOT SERVICED SEPARATELY, BUSHING
15		87429971		1	OIL SEAL
16		814-8060		6	BOLT, Hex, M8 x 60, 8.8
17		NSS		1	NOT SERVICED SEPARATELY, HOUSING
18		NSS		1	NOT SERVICED SEPARATELY, GEAR 23T
19		181142A1		1	O-RING, 183.82mm ID x 2.62mm Width
20		NSS		1	NOT SERVICED SEPARATELY, BEARING Needle
21		NSS		1	NOT SERVICED SEPARATELY, GEAR 12T

580N 580SN WT
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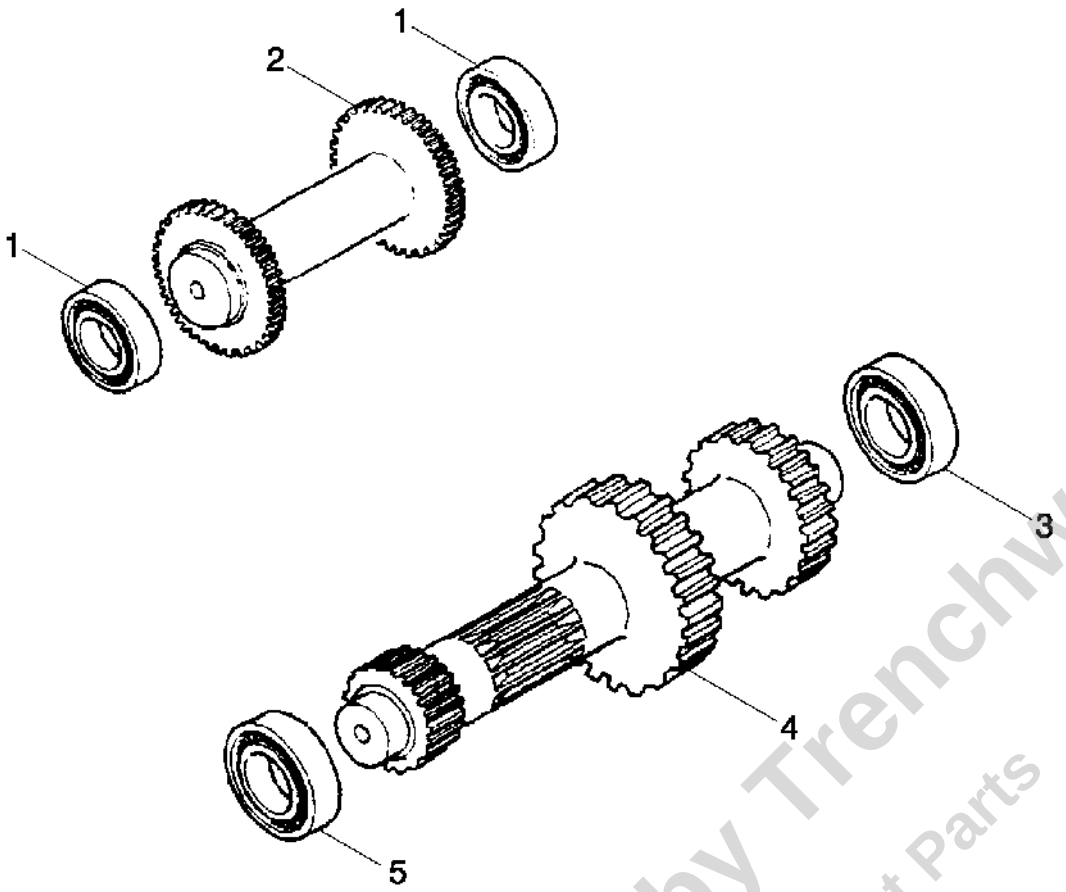
TRANSMISSION - 2WD - SHAFT, REVERSE & PRIMARY



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TRANSMISSION - 2WD - SHAFT, REVERSE & PRIMARY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395300		1	TRANSMISSION, Two Wheel Drive, Incl. Ref 1 - 6
		87395300R			REMAN-TRANSMISSION, Remanufactured, 2WD, N.A. Only
		87395300C			CORE-TRANSMISSION, Return Number, 2WD, N.A. Only
1		ST205A		2	BEARING, BALL, 35 mm ID x 72 mm OD x 17 mm
2		358636A1		1	SHAFT, Idler/Reverse
3		181126A1		1	BEARING, BALL, 45 mm ID x 85 mm OD x 19 mm
4		87701276		1	PRIMARY SHAFT
5		181132A1		1	BEARING, BALL, 40 mm ID x 80 mm OD x 18 mm
6		A48041		1	CIRCLIP, Bearing to Axle Housing; Not Illustrated

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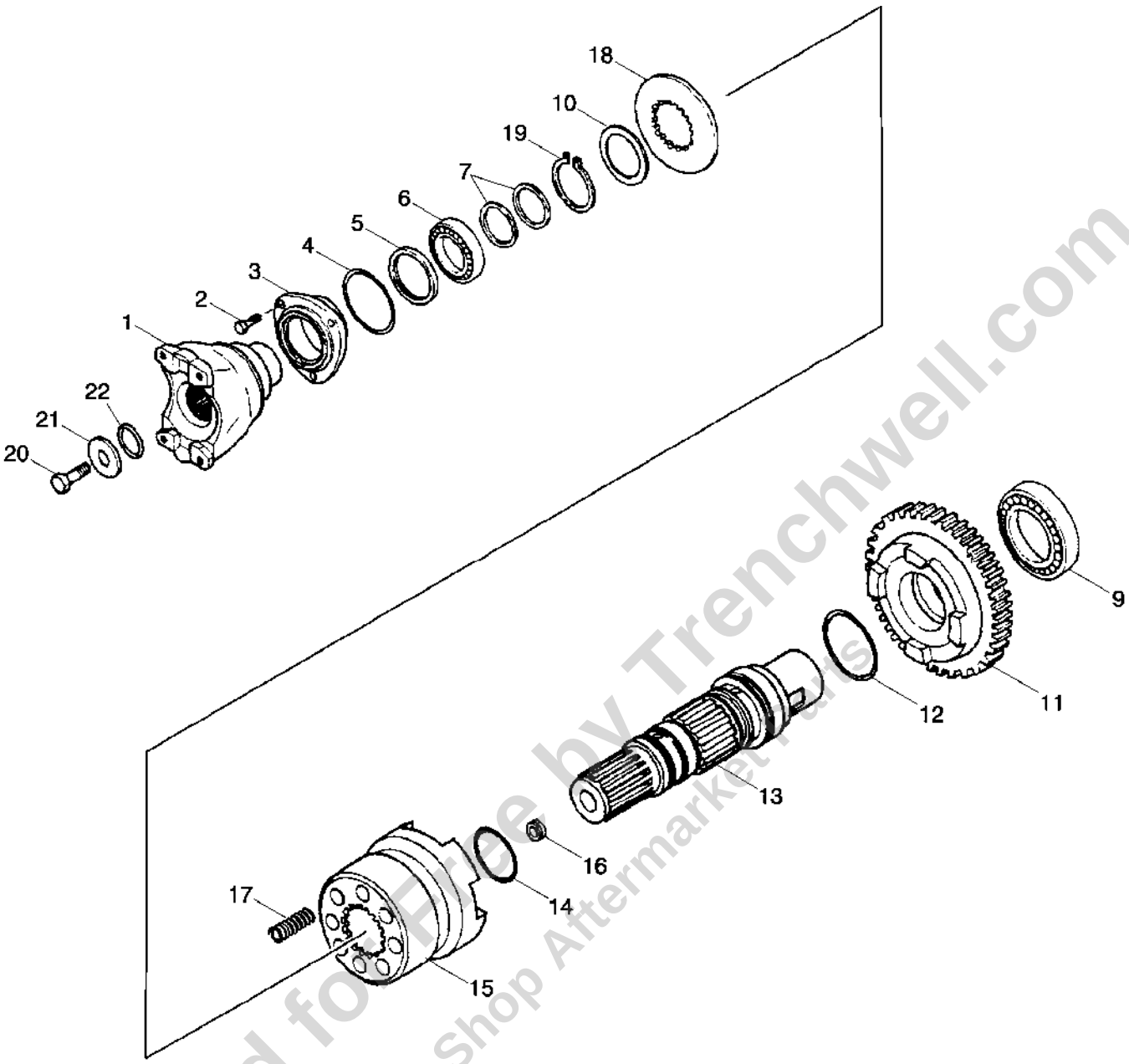
21.154.03		p1	10/10

TRANSMISSION - 4WD POWERSHIFT S TYPE- SHAFT, OUTPUT POWERSHIFT



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TRANSMISSION - 4WD POWERSHIFT S TYPE- SHAFT, OUTPUT POWERSHIFT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive, Incl. Ref 1 - 22
		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
1		87704971		1	YOKE, Fork, Front
2		614-8022		3	BOLT, Hex, M8 x 22, 8.8, Full Thd
3		181198A1		1	COVER
4		112517A1		1	O-RING, 2.8" ID x 3.006" OD x 0.103"
5		181122A1		1	OIL SEAL, 50 x 65 x 8 mm
6		ST205A		1	BEARING, BALL, 35 mm ID x 72 mm OD x 17 mm
7		358645A1		2	OIL SEAL
9		181126A1		1	BEARING, BALL, 45 mm ID x 85 mm OD x 19 mm
10		P2745478		1	WASHER
11		366234A1		1	PINION, Gear, Driven, 36T
12		366235A1		1	O-RING
13		366230A1		1	SHAFT, Output
14		366236A1		2	O-RING, 42.85mm ID x 3.53mm Width
15		366232A1		1	TRANSMISSION SLEEVE
16		D142898		1	PLUG, 10 x 1 mm
17		100753A1		8	SPRING
18		366231A1		1	WASHER
19		800-5145		1	SNAP RING, M45, Ext
20		P3533055		1	SCREW, 12 x 25 mm
21		P2745466		1	WASHER
22		238-8217		1	O-RING, -217, Cl 8, 1.171" ID x .139" Thk

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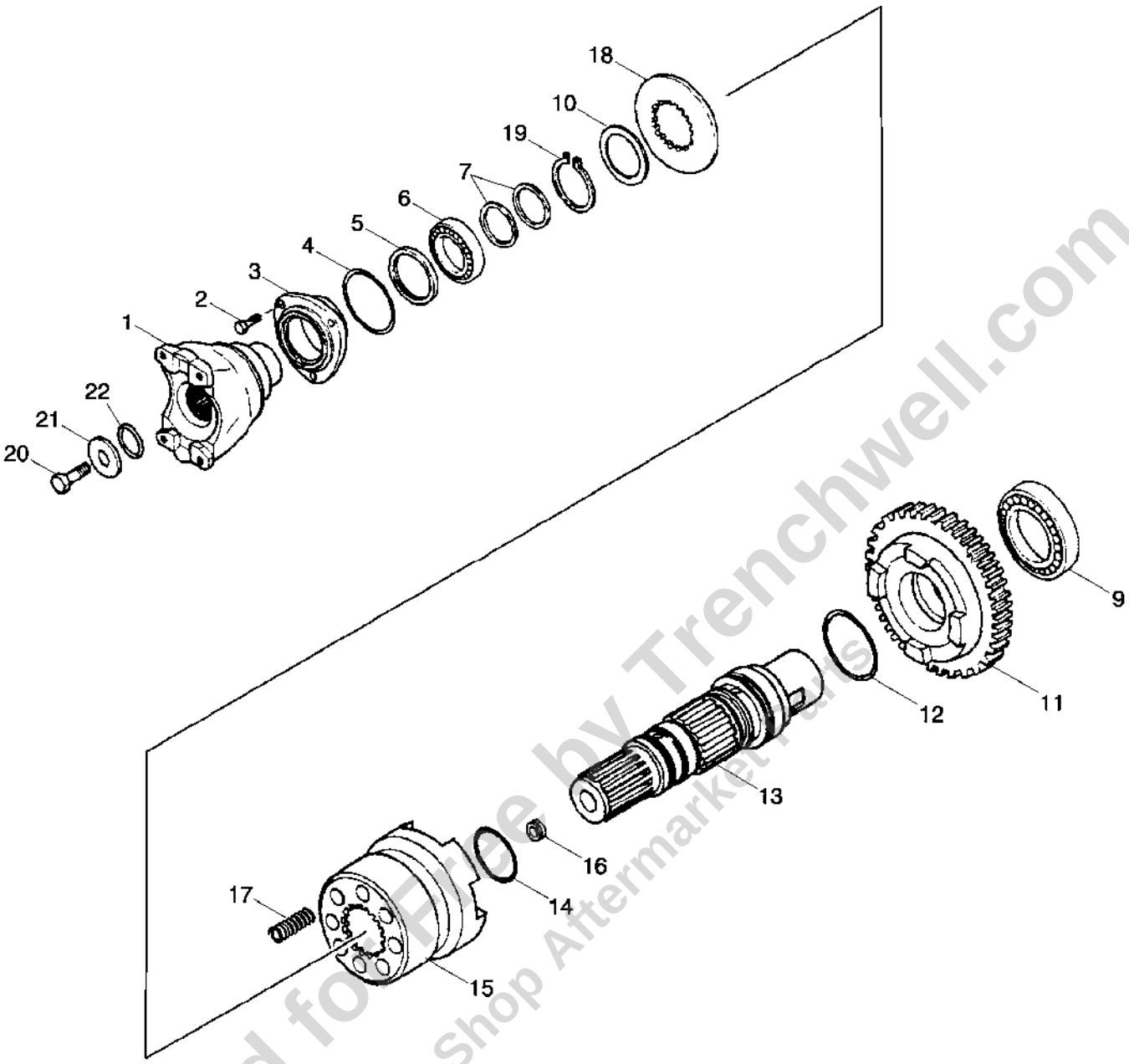
21.154.03		p1	10/10

TRANSMISSION - 4WD - SHAFT, OUTPUT



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TRANSMISSION - 4WD - SHAFT, OUTPUT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive, Incl. Ref 1 - 22
		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
1		87704971		1	YOKE, Fork, Front
2		614-8022		3	BOLT, Hex, M8 x 22, 8.8, Full Thd
3		181198A1		1	COVER
4		112517A1		1	O-RING, 2.8" ID x 3.006" OD x 0.103"
5		181122A1		1	OIL SEAL, 50 x 65 x 8 mm
6		ST205A		1	BEARING, BALL, 35 mm ID x 72 mm OD x 17 mm
7		358645A1		2	OIL SEAL
9		181126A1		1	BEARING, BALL, 45 mm ID x 85 mm OD x 19 mm
10		P2745478		1	WASHER
11		366234A1		1	PINION, Gear, Driven, 36T
12		366235A1		1	O-RING
13		366230A1		1	SHAFT, Output
14		366236A1		2	O-RING, 42.85mm ID x 3.53mm Width
15		366232A1		1	TRANSMISSION SLEEVE
16		D142898		1	PLUG, 10 x 1 mm
17		100753A1		8	SPRING
18		366231A1		1	WASHER
19		800-5145		1	SNAP RING, M45, Ext
20		P3533055		1	SCREW, 12 x 25 mm
21		P2745466		1	WASHER
22		238-8217		1	O-RING, -217, Cl 8, 1.171" ID x .139" Thk

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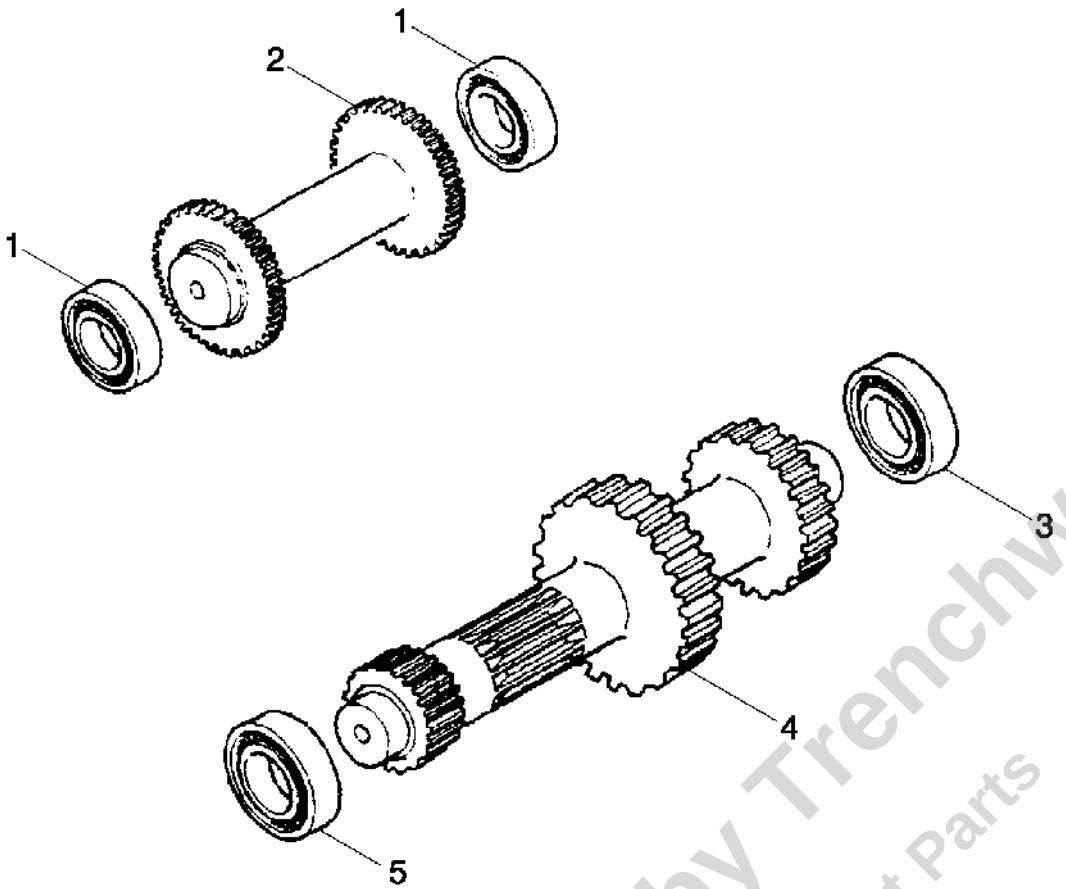
TRANSMISSION - 4WD - SHAFT, REVERSE & PRIMARY



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TRANSMISSION - 4WD - SHAFT, REVERSE & PRIMARY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive, Incl. Ref 1 - 6
		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
1		ST205A		2	BEARING, BALL, 35 mm ID x 72 mm OD x 17 mm
2		358636A1		1	SHAFT, Idler/Reverse
3		181126A1		1	BEARING, BALL, 45 mm ID x 85 mm OD x 19 mm
4		87701276		1	PRIMARY SHAFT
5		181132A1		1	BEARING, BALL, 40 mm ID x 80 mm OD x 18 mm
6		A48041		1	CIRCLIP, Bearing to Axle Housing; Not Illustrated

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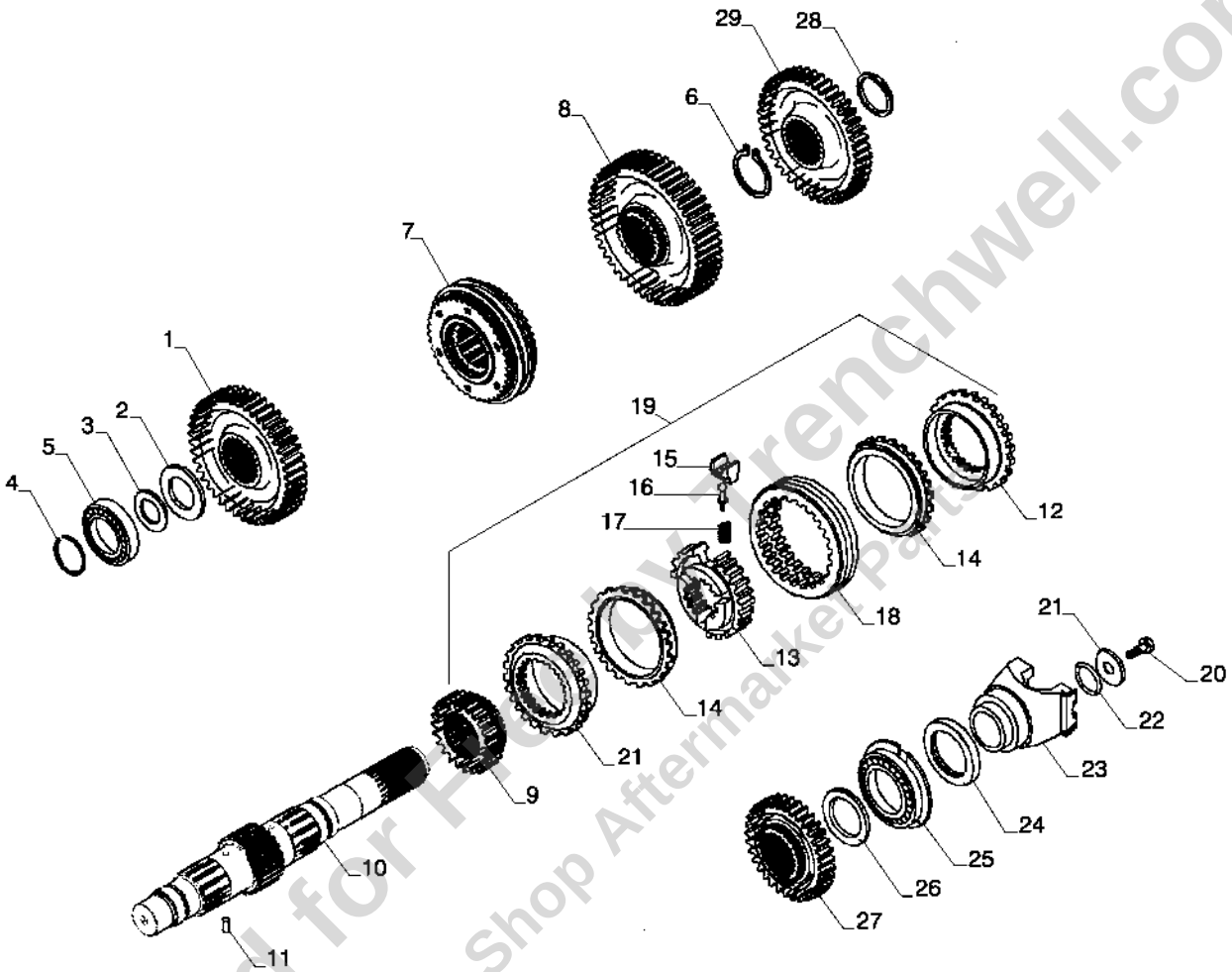
21.154.09		p1	10/10

TRANSMISSION - 2WD / 4WD POWERSHIFT S TYPE- SHAFT, SECONDARY



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TRANSMISSION - 2WD / 4WD POWERSHIFT S TYPE- SHAFT, SECONDARY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87701278		1	GEAR
2		358649A1		1	WASHER
3		358650A1		AR	SHIM
3		358651A1		AR	SHIM
3		358652A1		AR	SHIM
3		196454A1		AR	SHIM
4		181118A1		1	RING, LOCK
5		181132A1		1	BEARING, BALL, 40 mm ID x 80 mm OD x 18 mm
6		358655A1		1	RING SNAP
7		84336876		1	SYNCHRONIZER
8		87701293		1	GEAR
9		358282A1		1	GEAR
10		87701775		1	SHAFT
11		NSS		1	NOT SERVICED SEPARATELY
12		NSS		2	NOT SERVICED SEPARATELY
13		NSS		1	NOT SERVICED SEPARATELY
14		NSS		2	NOT SERVICED SEPARATELY
15		NSS		3	NOT SERVICED SEPARATELY
16		NSS		3	NOT SERVICED SEPARATELY
17		NSS		3	NOT SERVICED SEPARATELY
18		NSS		1	NOT SERVICED SEPARATELY
19		366398A1		1	SYNCHRONIZER
20		P3533055		1	SCREW
21		181165A1		1	WASHER
22		181144A1		1	O-RING, 39.6mm ID x 3.53mm Width
23		233284A1		1	YOKE
24		181123A1		1	OIL SEAL
25		181130A1		1	BEARING, BALL, 45 mm ID x 106.5 mm OD x 25 mm
26		358639A1		1	WASHER
27		358283A1		1	DRIVEN GEAR
28		358654A1		1	RING SNAP
29		358656A1		1	GEAR

580N 580SN WT
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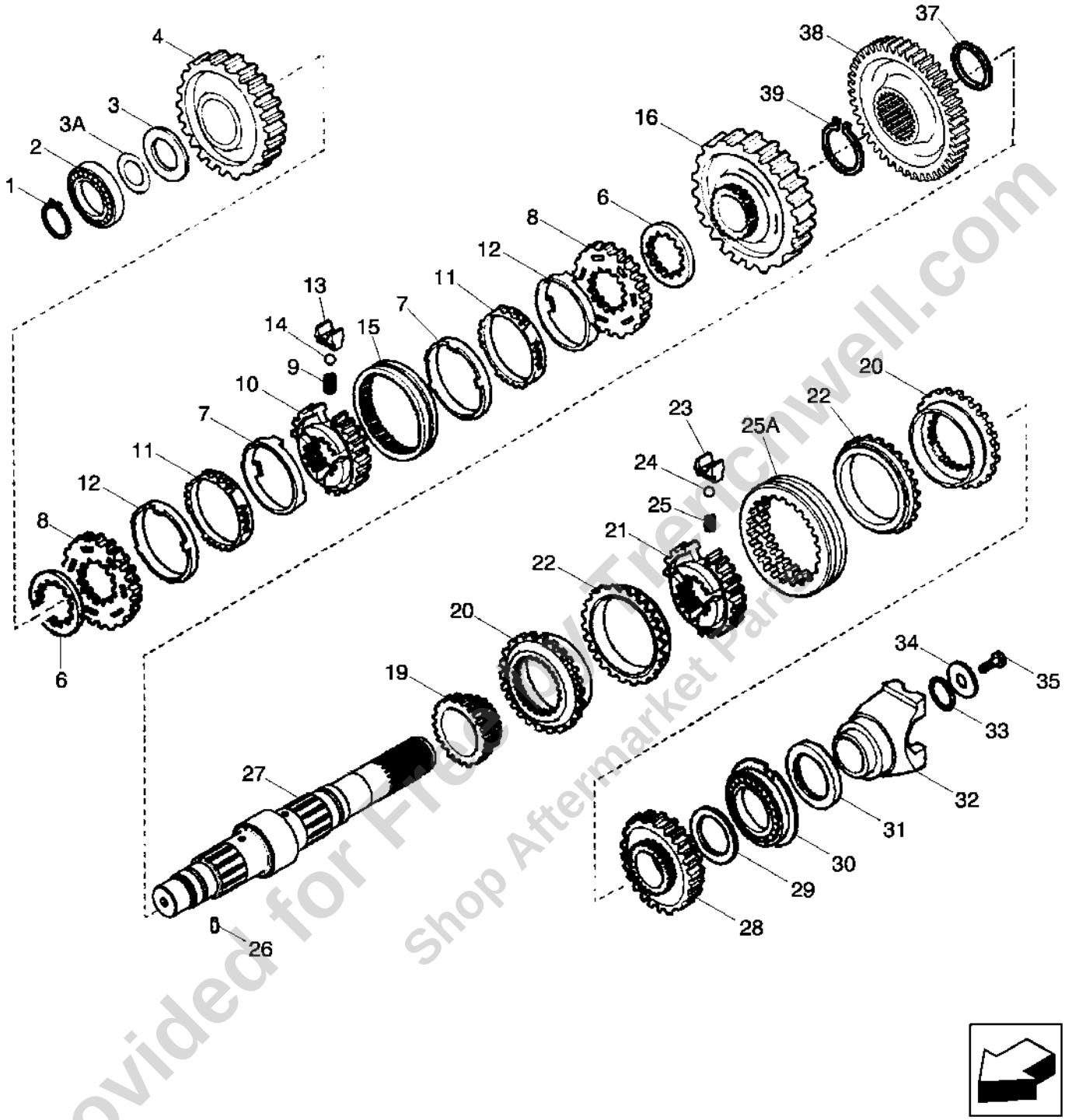
21.154.09		p1	10/10

TRANSMISSION - 4WD - SHAFT, SECONDARY



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TRANSMISSION - 4WD - SHAFT, SECONDARY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive, Inc 1 - 39
		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
1		181118A1		1	RING, LOCK
2		181132A1		1	BEARING, BALL, 40 mm ID x 80 mm OD x 18 mm
3		358649A1		1	WASHER, Thrust
3A		358650A1		AR	SHIM, 0,05 mm
3A		358651A1		AR	SHIM, 0,10 mm
3A		358652A1		AR	SHIM, 0,30 mm
3A		196454A1		AR	SHIM, 0,50 mm
4		87701278		1	GEAR, Driven, Second, 44T Pinion
6		244109A1		2	SPACER
		190427A1		1	SYNCHRONIZER, Service Kit, Inc 7 - 15
7		NSS		2	NOT SERVICED SEPARATELY, RING
8		NSS		2	NOT SERVICED SEPARATELY, RING
9		384773A1		3	COIL SPRING
10		NSS		1	NOT SERVICED SEPARATELY, HUB
11		NSS		2	NOT SERVICED SEPARATELY, RING
12		NSS		2	NOT SERVICED SEPARATELY, RING
13		326865A1		3	SPACER
14		384769A1		3	BALL
15		NSS		1	NOT SERVICED SEPARATELY, SLEEVE
16		87701293		1	GEAR, Driven, First, 50T Pinion
19		358282A1		1	GEAR, Driven, Fourth, 23T
		87429974		1	SYNCHRONIZER, Service Kit, Inc 20 - 25A
20		NSS		2	NOT SERVICED SEPARATELY, RING
21		NSS		1	NOT SERVICED SEPARATELY, HUB
22		NSS		2	NOT SERVICED SEPARATELY, RING
23		NSS		3	NOT SERVICED SEPARATELY, PLATE
24		NSS		3	NOT SERVICED SEPARATELY, BALL
25		NSS		3	NOT SERVICED SEPARATELY, SPRING
25A		NSS		1	NOT SERVICED SEPARATELY, SLEEVE
26		181108A1		1	SPLIT PIN

580N 580SN WT
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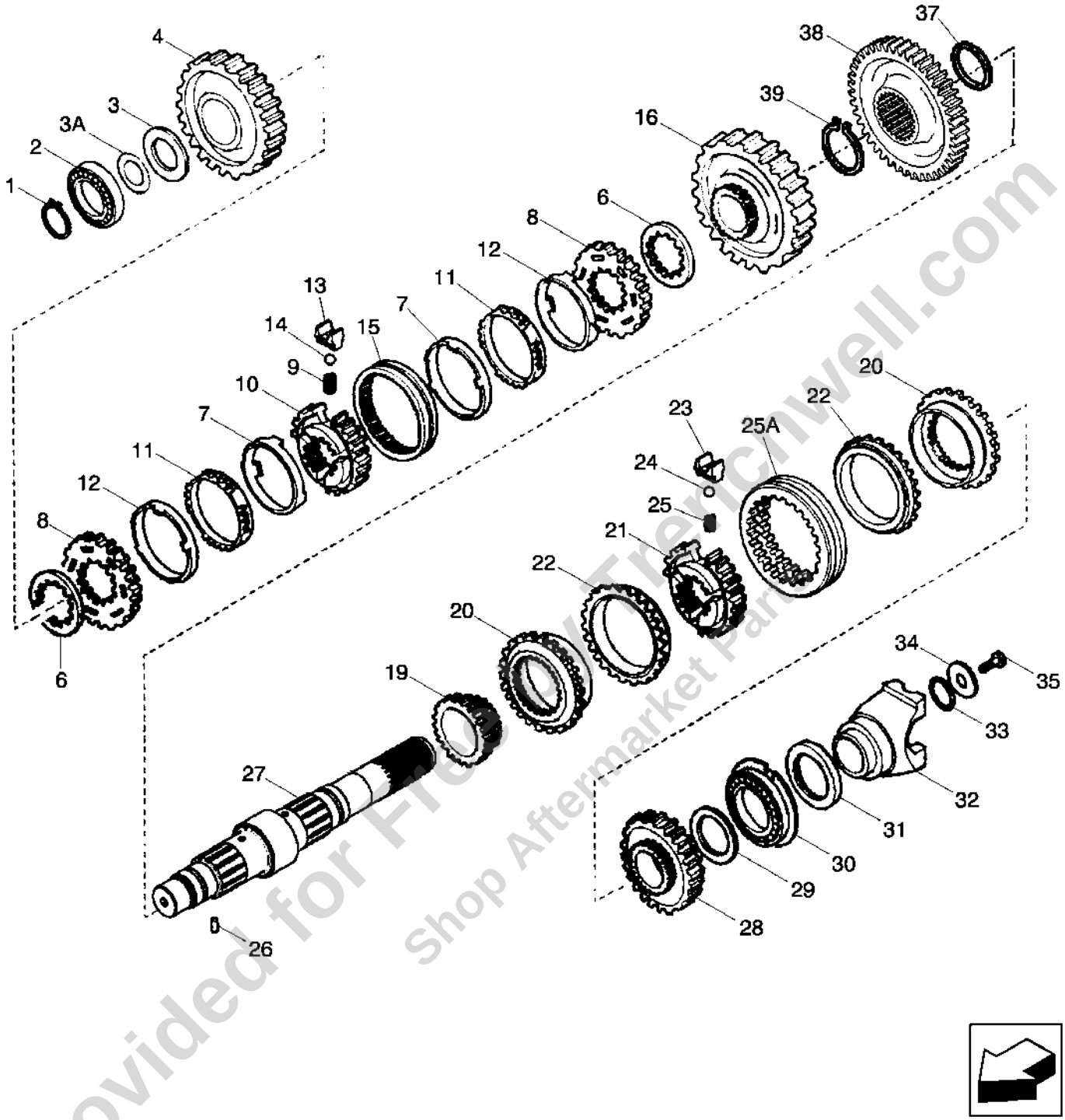
21.154.09		p2	10/10

TRANSMISSION - 4WD - SHAFT, SECONDARY



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TRANSMISSION - 4WD - SHAFT, SECONDARY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
27		87701775		1	SHAFT, Secondary, Four Wheel Drive Models
28		358283A1		1	DRIVEN GEAR, Third, 33T
29		358639A1		1	WASHER, Thrust, 68 x 45 x 4 mm
30		181130A1		1	BEARING, BALL, 45 mm ID x 106.5 mm OD x 25 mm
31		181123A1		1	OIL SEAL, 60 x 75 x 8 mm
32		233284A1		1	YOKE
33		181144A1		1	O-RING, 39.6mm ID x 3.53mm Width
34		181165A1		1	WASHER, 52 x 12.5 x 5 mm
35		P3533055		1	SCREW, 12 x 25 mm
37		358654A1		1	RING SNAP, Four Wheel Drive Models
38		358656A1		1	GEAR, 44T, Four Wheel Drive Models
39		358655A1		1	RING SNAP, Four Wheel Drive Models

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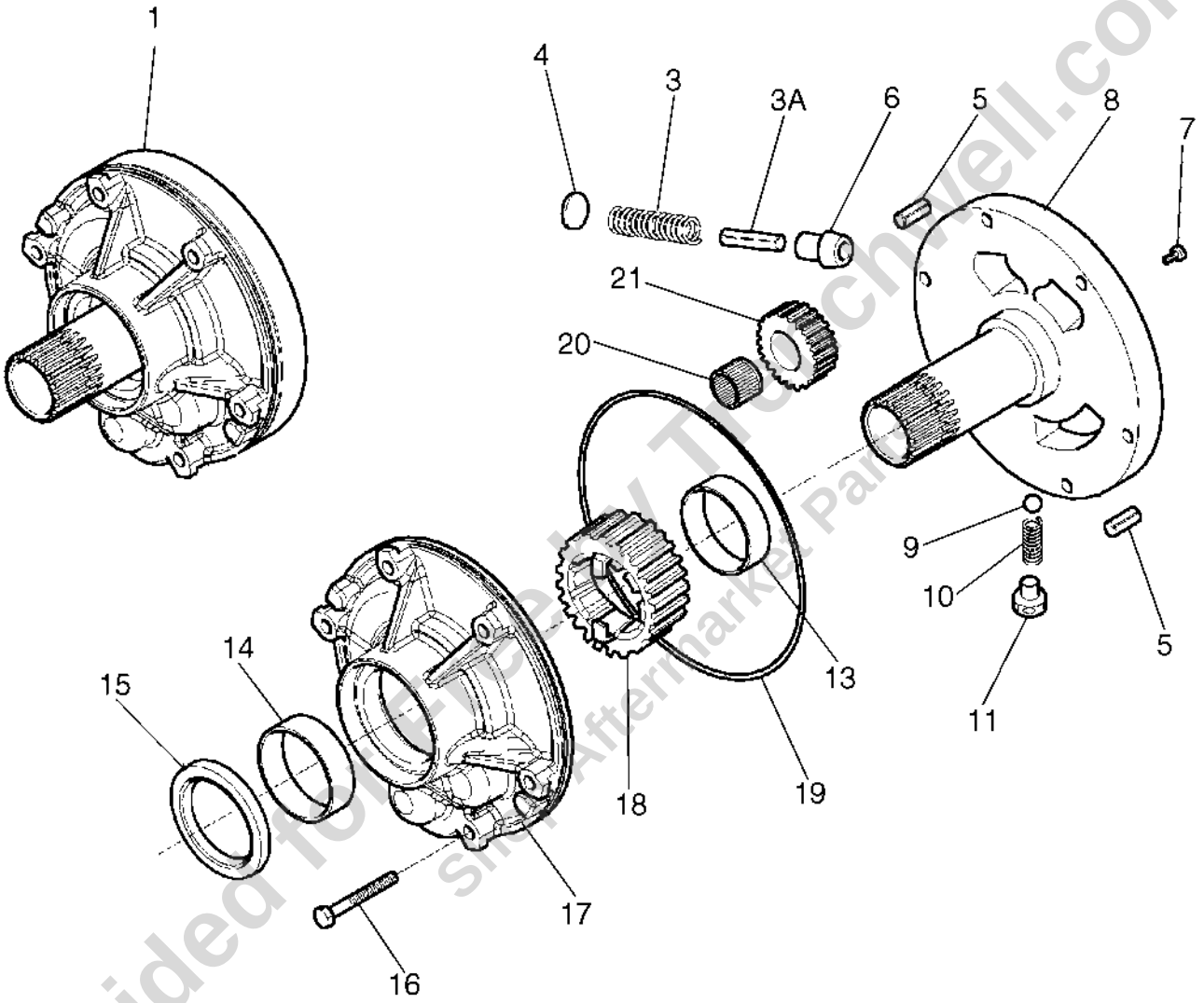
TRANSMISSION - 2WD / 4WD, POWERSHIFT H TYPE / SPS - PUMP, OIL



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TRANSMISSION - 2WD / 4WD, POWERSHIFT H TYPE / SPS - PUMP, OIL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87567534		1	TRANSMISSION, Powershift, Four Wheel Drive, Incl. Ref 1 - 21
1		87705431		1	PUMP, Oil, Incl. Ref 3 - 21
3		NSS		1	NOT SERVICED SEPARATELY, SPRING
3A		NSS		1	NOT SERVICED SEPARATELY, PIN
4		NSS		1	NOT SERVICED SEPARATELY, STOP
5		NSS		2	NOT SERVICED SEPARATELY, PIN Roll
6		NSS		1	NOT SERVICED SEPARATELY, PISTON
7		NSS		2	NOT SERVICED SEPARATELY, BOLT
8		NSS		1	NOT SERVICED SEPARATELY, SUPPORT
9		NSS		1	NOT SERVICED SEPARATELY, BALL
10		NSS		1	NOT SERVICED SEPARATELY, SPRING
11		NSS		1	NOT SERVICED SEPARATELY, GUIDE
13		NSS		1	NOT SERVICED SEPARATELY, BUSHING
14		NSS		1	NOT SERVICED SEPARATELY, BUSHING
15		87429971		1	OIL SEAL
16		814-8060		9	BOLT, Hex, M8 x 60, 8.8
17		NSS		1	NOT SERVICED SEPARATELY, HOUSING
18		NSS		1	NOT SERVICED SEPARATELY, GEAR
19		181142A1		1	O-RING, 183.82mm ID x 2.62mm Width
20		NSS		1	NOT SERVICED SEPARATELY, BEARING Needle
21		NSS		1	NOT SERVICED SEPARATELY, GEAR

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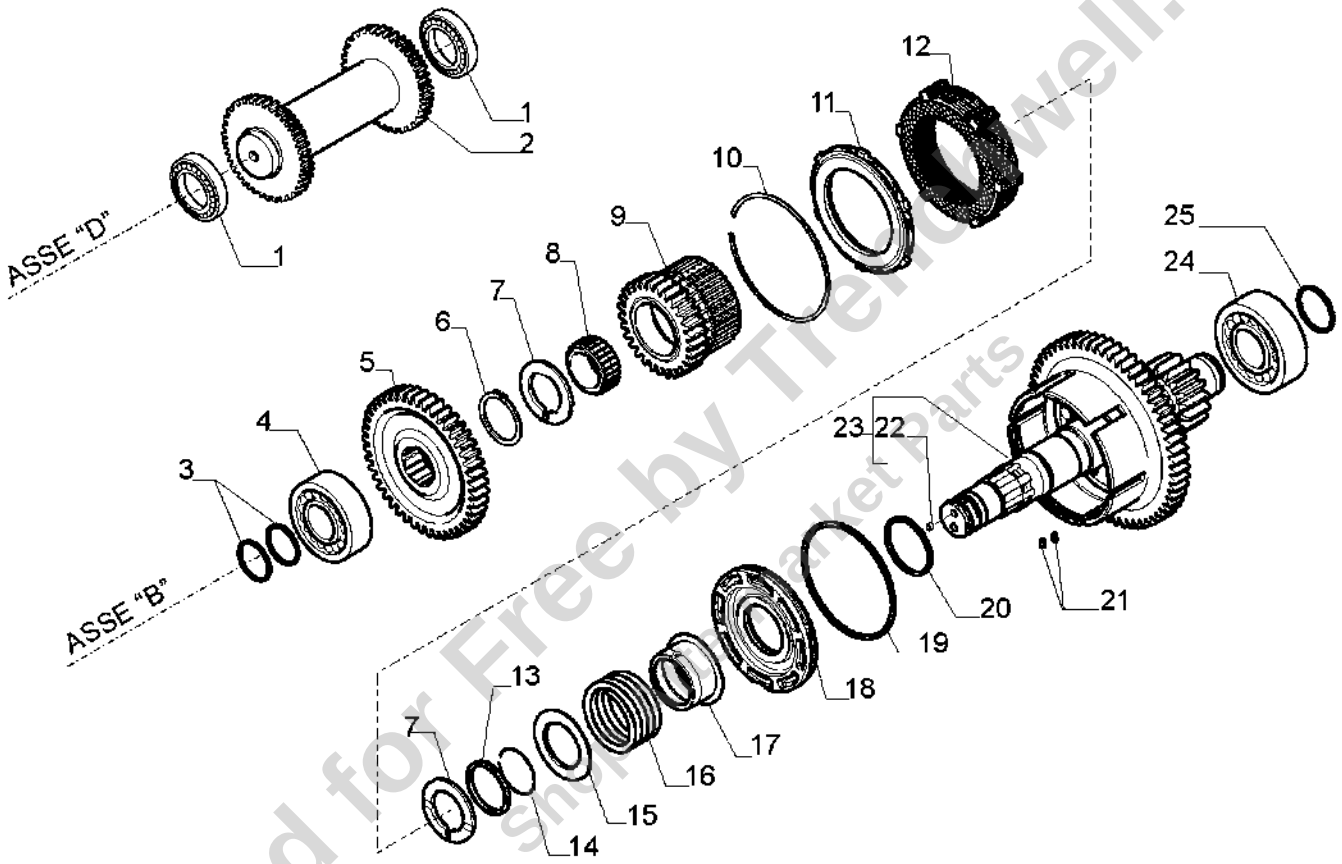
TRANSMISSION - 2WD / 4WD POWERSHIFT H TYPE, SPS - SHAFT, REVERSE & PRIMARY



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TRANSMISSION - 2WD / 4WD POWERSHIFT H TYPE, SPS - SHAFT, REVERSE & PRIMARY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87567534		1	TRANSMISSION, Powershift, Four Wheel Drive, Incl. Ref 1 - 25
1		ST205A		2	BEARING, BALL, 35 mm ID x 72 mm OD x 17 mm
2		358636A1		1	SHAFT, Reverse, 27T
3		87705461		2	SEALRING
4		87705462		1	TAPERED ROLLER BEARING, 40 mm ID x 90 mm OD x 23 mm, Bearing, Ball
5		87705463		1	GEAR, 45T
6		800-1150		1	SNAP RING, M50, Ext
7		358640A1		2	THRUST WASHER, 60 x 50 x 4
8		358633A1		1	BEARING, NEEDLE
9		87705464		1	GEAR, 28T
10		181116A1		1	RING, LOCK
11		310519A1		1	PLATE, Clutch Plate Lock Ring
12		87705465		1	CLUTCH OVERHAUL KIT, Second to Third
13		87705466		1	THRUST WASHER
14		181111A1		1	RING, LOCK
15		181161A1		1	PLATE, THRUST, Lock Spring Cover
16		358637A1		1	SPRING
17		358641A1		1	TRANSMISSION SLEEVE, Clutch
18		358644A1		1	PISTON, Clutch
19		358643A1		1	SEALRING
20		358642A1		1	SEALRING
21		181108A1		2	SPLIT PIN, D3 x 8
22		87705467		1	RIVET, D7
23		87705468		1	SHAFT, 58T/17; Incl Ref 22
24		87705469		1	TAPERED ROLLER BEARING, 45 mm ID x 100 mm OD x 25 mm
25		358645A1		1	OIL SEAL

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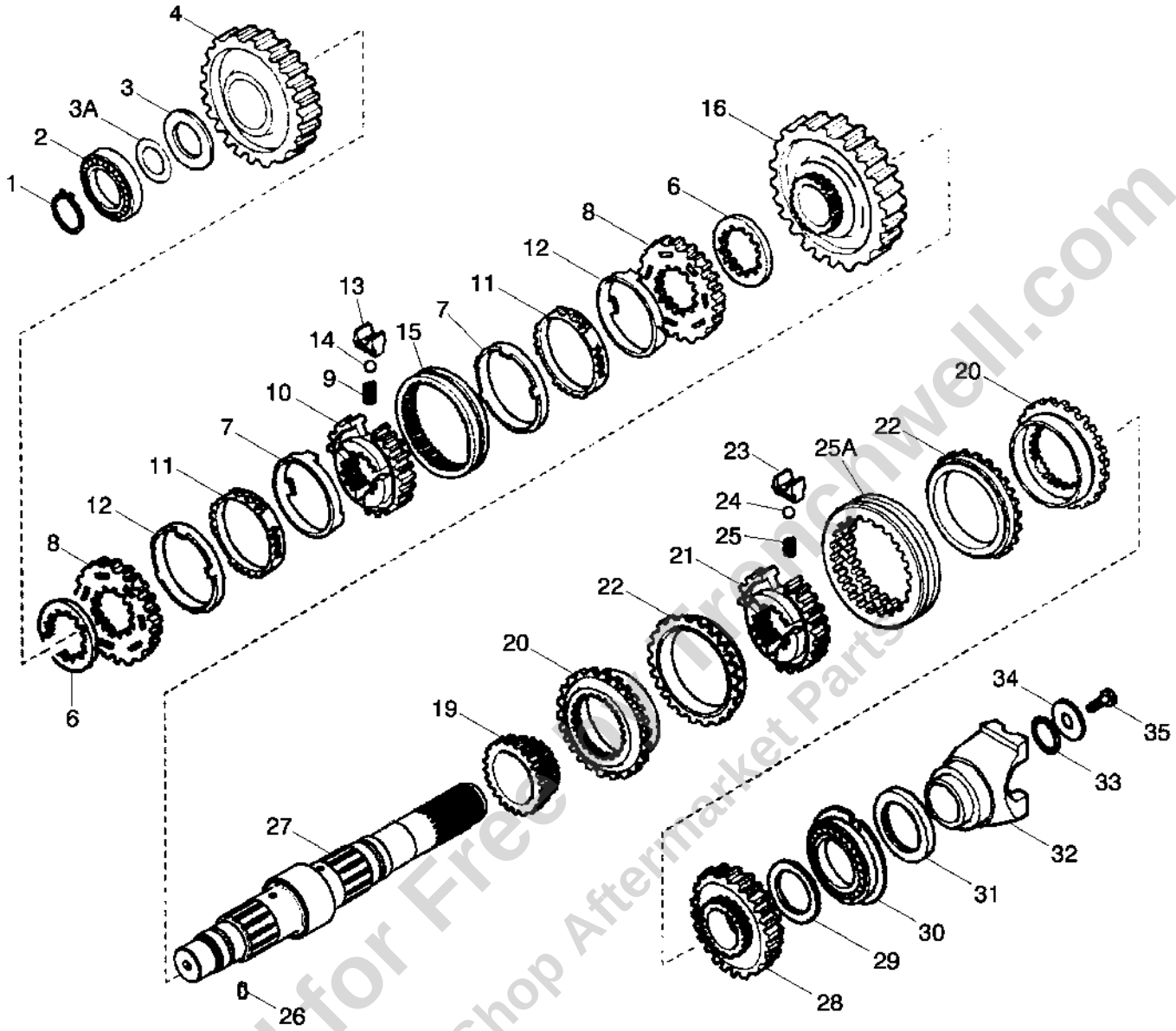
21.155.07		p1	10/10

TRANSMISSION - 2WD - SHAFT, SECONDARY



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TRANSMISSION - 2WD - SHAFT, SECONDARY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395300		1	TRANSMISSION, Two Wheel Drive, Incl. Ref 1 - 35
		87395300R			REMAN-TRANSMISSION, Remanufactured, 2WD, N.A. Only
		87395300C			CORE-TRANSMISSION, Return Number, 2WD, N.A. Only
1		181118A1		1	RING, LOCK
2		181132A1		1	BEARING, BALL, 40 mm ID x 80 mm OD x 18 mm
3		358649A1		1	WASHER, Thrust
3A		358650A1		AR	SHIM, 0,05 mm
3A		358651A1		AR	SHIM, 0,10 mm
3A		358652A1		AR	SHIM, 0,30 mm
3A		196454A1		AR	SHIM, 0,50 mm
4		87701278		1	GEAR, Driven, Second, 44T Pinion
6		244109A1		2	SPACER
		190427A1		1	SYNCHRONIZER, Service Kit, Incl. Ref 7 - 15
7		NSS		2	NOT SERVICED SEPARATELY, RING
8		NSS		2	NOT SERVICED SEPARATELY, RING
9		384773A1		3	COIL SPRING
10		NSS		1	NOT SERVICED SEPARATELY, HUB
11		NSS		2	NOT SERVICED SEPARATELY, RING
12		NSS		2	NOT SERVICED SEPARATELY, RING
13		326865A1		3	SPACER
14		384769A1		3	BALL
15		NSS		1	NOT SERVICED SEPARATELY, SLEEVE
16		87701293		1	GEAR, Driven, First, 50T Pinion
19		358282A1		1	GEAR, Driven, Fourth, 23T
		87429974		1	SYNCHRONIZER, Service Kit, Incl. Ref 20 - 25A
20		NSS		2	NOT SERVICED SEPARATELY, RING
21		NSS		1	NOT SERVICED SEPARATELY, HUB
22		NSS		2	NOT SERVICED SEPARATELY, RING
23		NSS		3	NOT SERVICED SEPARATELY, PLATE
24		NSS		3	NOT SERVICED SEPARATELY, BALL
25		NSS		3	NOT SERVICED SEPARATELY, SPRING
25A		NSS		1	NOT SERVICED SEPARATELY, SLEEVE
26		181108A1		1	SPLIT PIN

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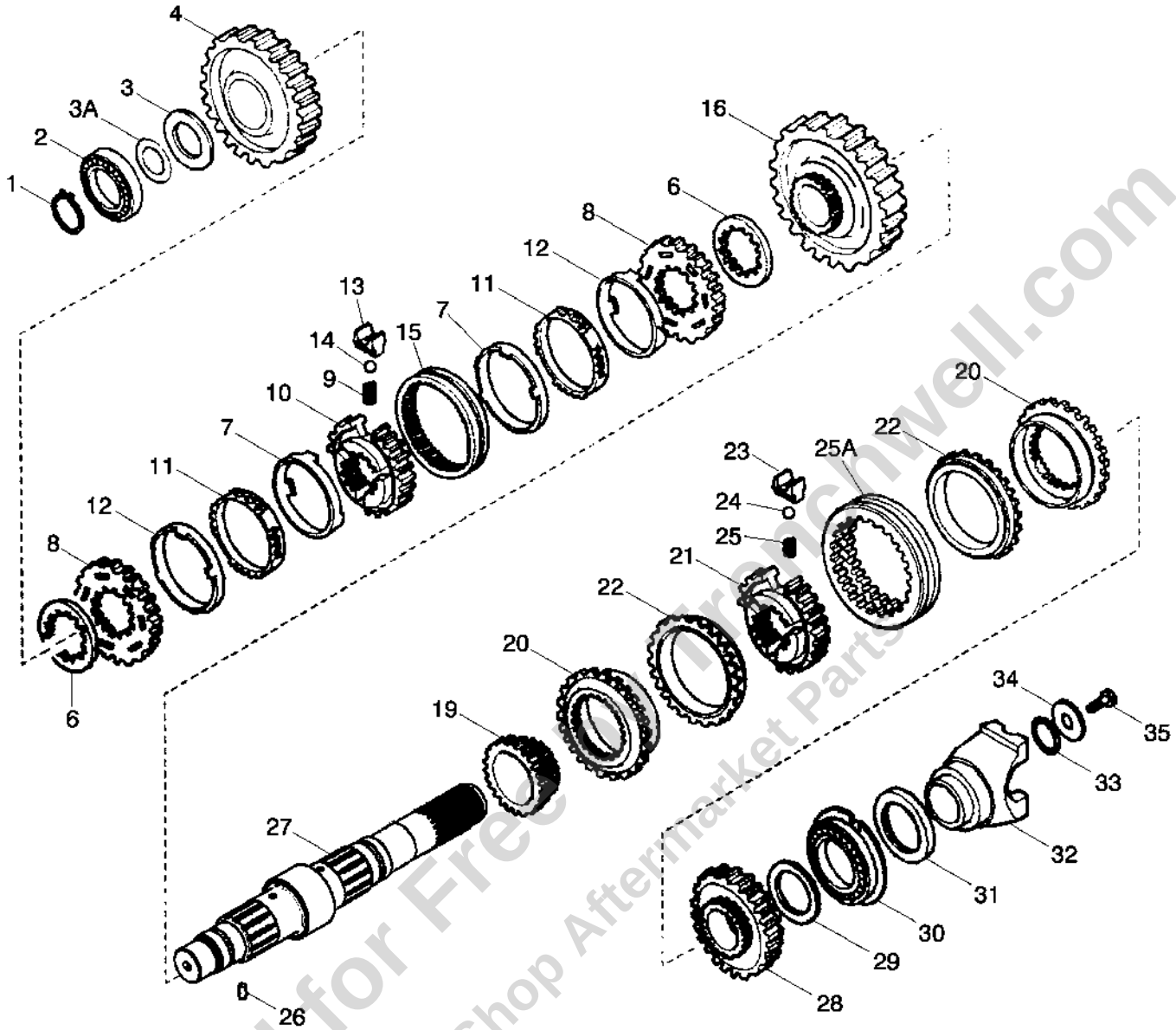
TRANSMISSION - 2WD - SHAFT, SECONDARY



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TRANSMISSION - 2WD - SHAFT, SECONDARY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
27		87701294		1	SHAFT, Secondary
28		358283A1		1	DRIVEN GEAR, Third, 33T
29		358639A1		1	WASHER, Thrust, 68 x 45 x 4 mm
30		181130A1		1	BEARING, BALL, 45 mm ID x 106.5 mm OD x 25 mm
31		181123A1		1	OIL SEAL, 60 x 75 x 8 mm
32		233284A1		1	YOKE
33		181144A1		1	O-RING, 39.6mm ID x 3.53mm Width
34		181165A1		1	WASHER, 52 x 12.5 x 5 mm
35		P3533055		1	SCREW, 12 x 25 mm

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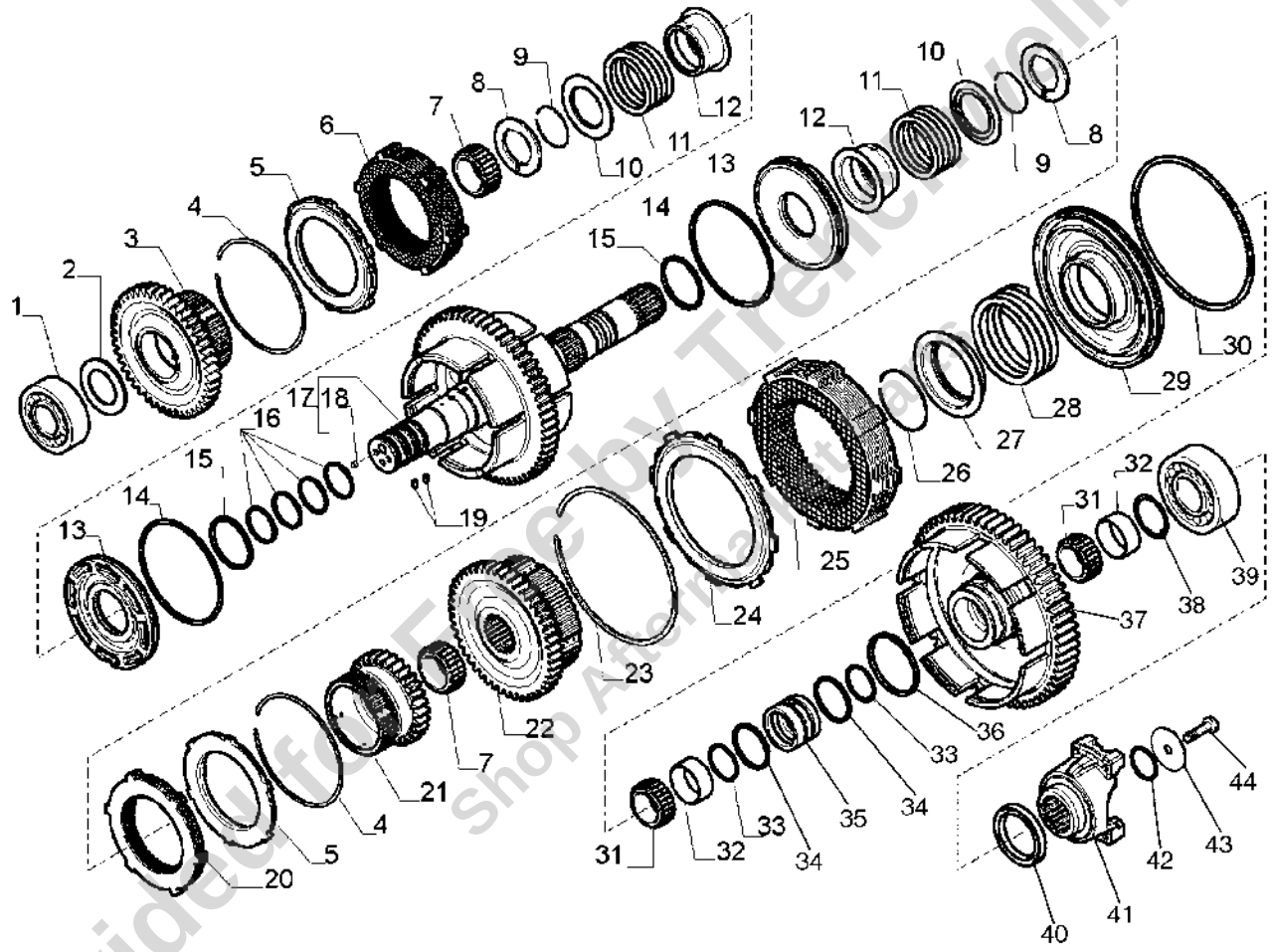
TRANSMISSION - 4WD POWERSHIFT H TYPE - SHAFT, SECONDARY



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TRANSMISSION - 4WD POWERSHIFT H TYPE - SHAFT, SECONDARY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87567534		1	TRANSMISSION, Powershift, Four Wheel Drive, Incl. Ref 1 - 44
1		181126A1		1	BEARING, BALL, 45 mm ID x 85 mm OD x 19 mm
2		358639A1		1	WASHER, Thrust
3		87705470		1	GEAR, 44T
4		181116A1		2	RING, LOCK
5		310519A1		2	PLATE, Clutch Lock Ring
6		87705465		1	CLUTCH OVERHAUL KIT, Second to Third
7		358633A1		2	BEARING, NEEDLE
8		358640A1		2	THRUST WASHER, 60 x 50 x 4
9		181111A1		2	RING, LOCK
10		181161A1		2	PLATE, THRUST, Lock Spring Cover
11		358637A1		2	SPRING
12		358641A1		2	TRANSMISSION SLEEVE, Clutch
13		358644A1		2	PISTON, Clutch
14		358643A1		2	SEALRING, Seal Ri
15		358642A1		2	SEALRING
16		358645A1		4	OIL SEAL
17		87705476		1	SHAFT, 60T; Incl Ref 18
18		87705467		3	RIVET, D7
19		181108A1		2	SPLIT PIN, D3 x 8
20		87705479		1	CLUTCH OVERHAUL KIT, Fourth
21		87705480		1	GEAR, 30T
22		87705481		1	GEAR, 51T
23		87705482		1	LOCKING RING
24		87705483		1	LOCKING RING
25		87705492		1	CLUTCH OVERHAUL KIT, First
26		87705493		1	LOCKING RING
27		87705494		1	COVER, Lock Spring
28		87705501		1	SPRING
29		87705502		1	PISTON, Clutch
30		87705503		1	SEALRING
31		87705515		2	BUSHING, Needle Bearing
32		87705516		2	BUSHING
33		87705517		2	O-RING

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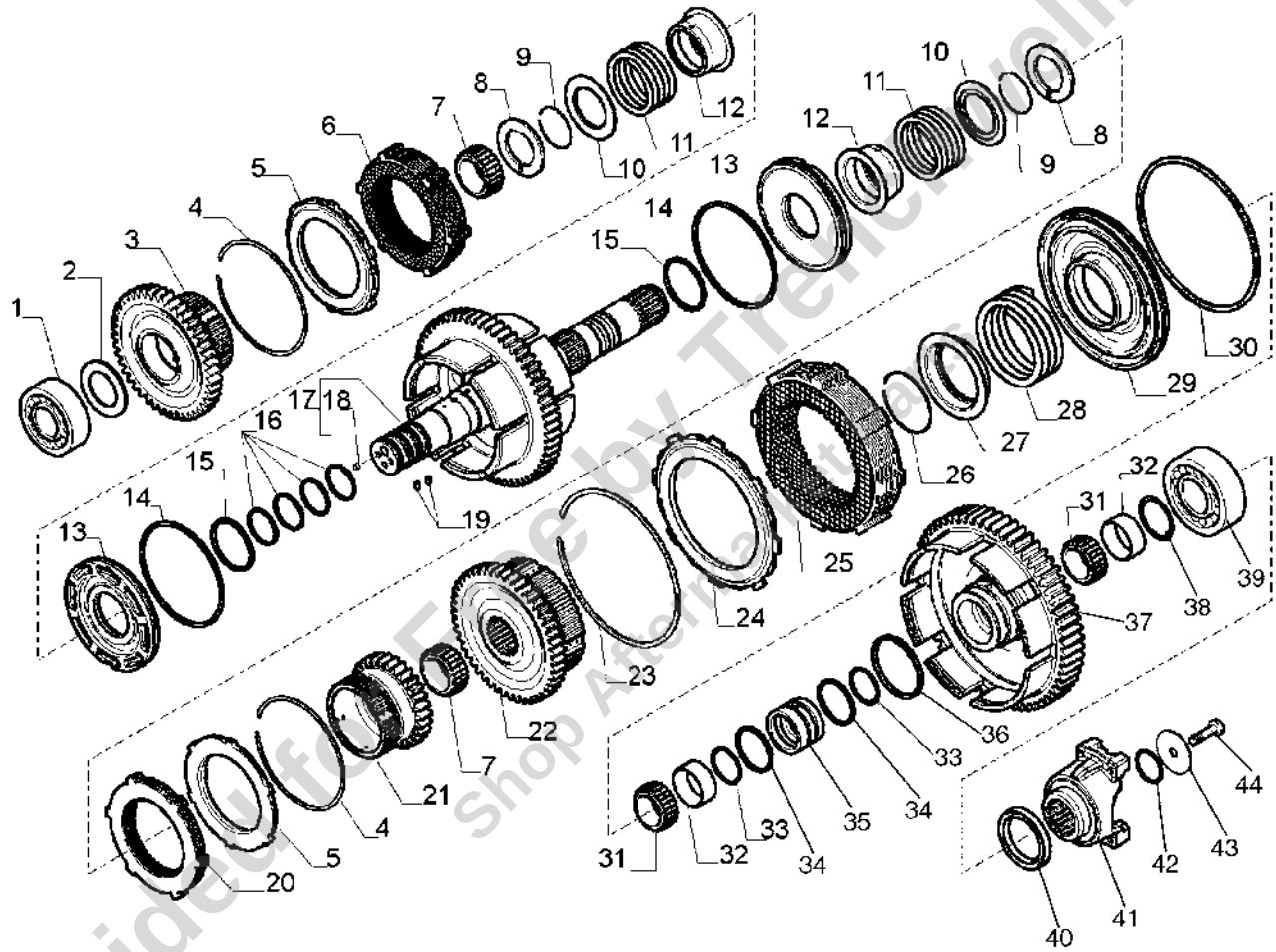
TRANSMISSION - 4WD POWERSHIFT H TYPE - SHAFT, SECONDARY



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TRANSMISSION - 4WD POWERSHIFT H TYPE - SHAFT, SECONDARY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
34		87705518		2	SEALRING
35		87705519		1	SPACER
36		87705520		1	SEALRING
37		87705521		1	GEAR, 60T
38		87705522		1	WASHER
39		87705469		1	TAPERED ROLLER BEARING, 45 mm ID x 100 mm OD x 25 mm
40		181123A1		1	OIL SEAL
41		87705524		1	FLANGE
42		181144A1		1	O-RING, 39.6mm ID x 3.53mm Width
43		181165A1		1	WASHER
44		P3533055		1	SCREW, M12 x 25

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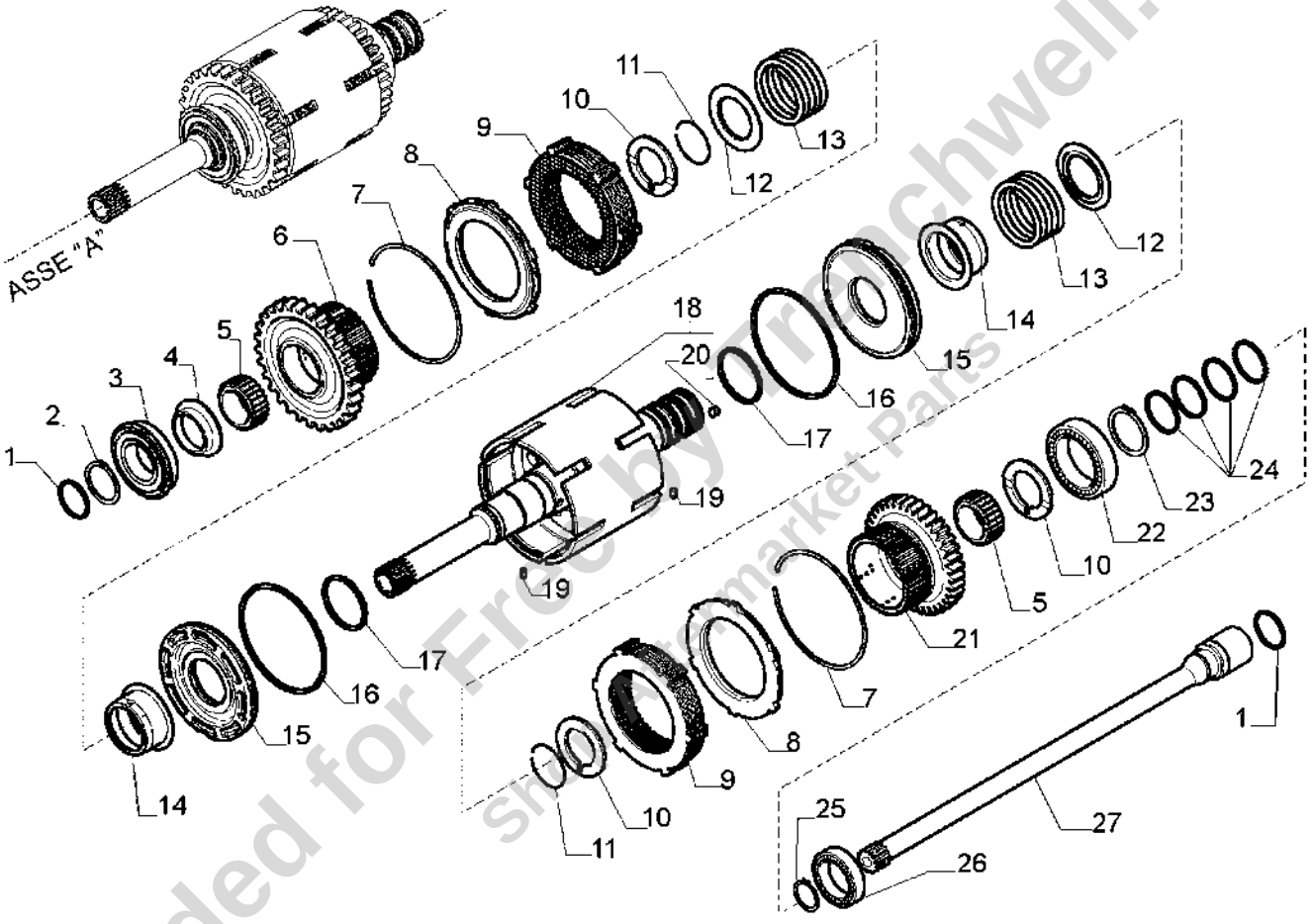
21.155.14		p1	07/11

TRANSMISSION - 2WD / 4WD POWERSHIFT H TYPE, SPS - SHAFT, INPUT & PTO



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TRANSMISSION - 2WD / 4WD POWERSHIFT H TYPE, SPS - SHAFT, INPUT & PTO

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87567534		1	TRANSMISSION, Powershift, Four Wheel Drive, Incl. Ref 1 - 27
1		358645A1		2	OIL SEAL
2		A48041		1	CIRCLIP
3		181128A1		1	BEARING, BALL, 45 mm ID x 91.6 mm OD x 19 mm
4		358635A1		1	SPACER, 68 x 45 x 105
5		358633A1		2	BEARING, NEEDLE
6		87705457		1	GEAR, Reverse, 45T
7		181116A1		2	RING, LOCK
8		310519A1		2	PLATE, Clutch Lock Ring
9		87705458		2	CLUTCH OVERHAUL KIT, Forward/Reverse
10		358640A1		3	THRUST WASHER, 60 x 50 x 4
11		181111A1		2	RING, LOCK
12		181161A1		2	PLATE, THRUST, Lock Spring Cover
13		358637A1		2	SPRING
14		358641A1		2	TRANSMISSION SLEEVE, Clutch
15		358644A1		2	PISTON, Clutch
16		358643A1		2	SEALRING
17		358642A1		2	SEALRING
18		87525849		1	REPAIR KIT, SHAFT ASSY Inner; Incl Ref 20
19		181108A1		2	SPLIT PIN, D3x8
20		139312A1		4	PLUG, D6x5,84 Rivet
21		87705459		1	GEAR, Forward, 37T
22		ST264		1	BEARING, BALL, 50 mm ID x 90 mm OD x 20 mm
23		800-1150		1	SNAP RING, M50, Ext
24		87429984		4	RING
25		800-1130		1	SNAP RING, M30, Ext
26		87429983		1	BALL BEARING, 30 mm ID x 55 mm OD x 13 mm
27		87705460		1	PTO SHAFT

580N 580SN WT
590SN 580SN

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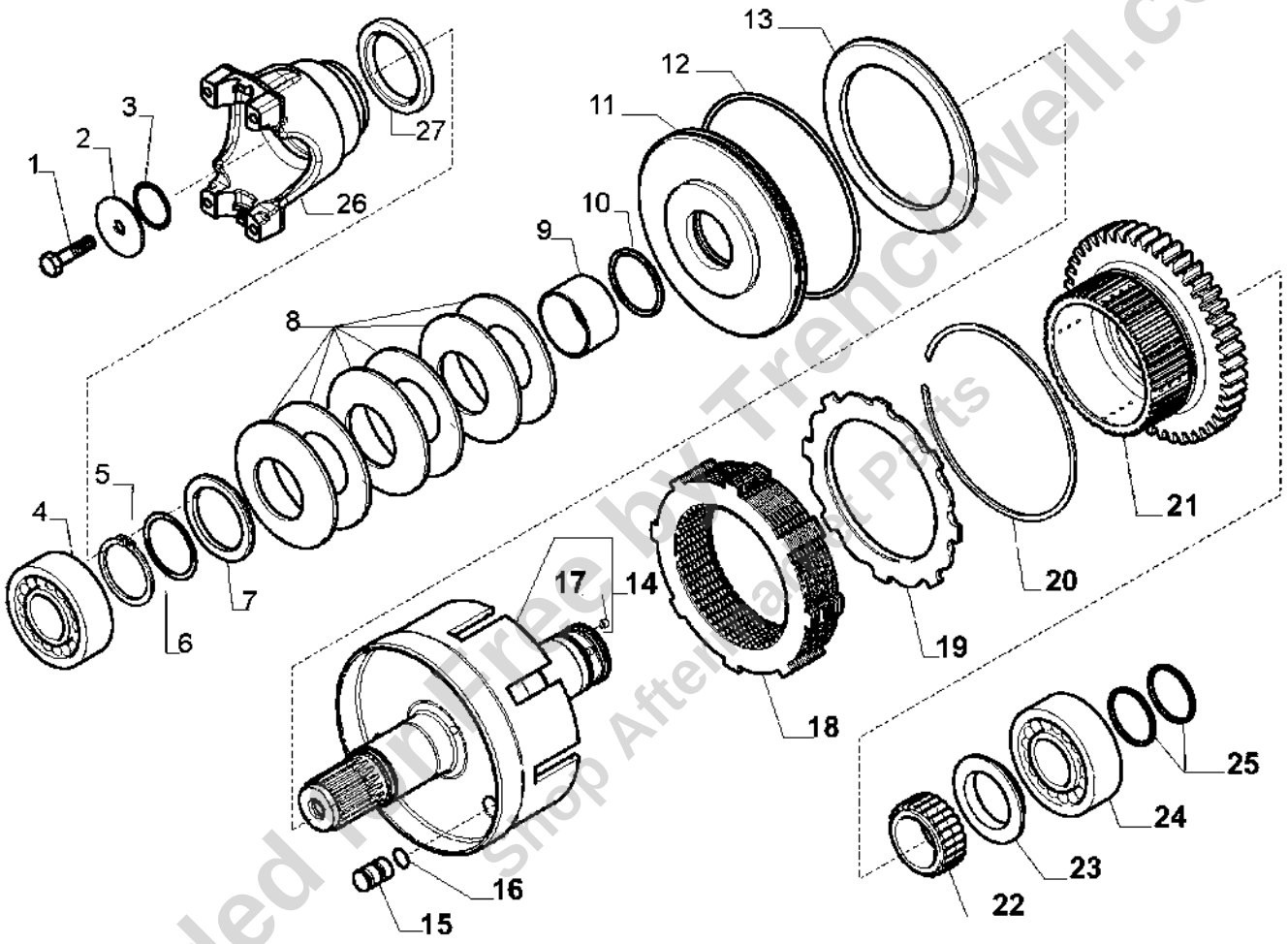
21.155.15		p1	10/10

TRANSMISSION - 4WD POWERSHIFT H TYPE - SHAFT, OUTPUT



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TRANSMISSION - 4WD POWERSHIFT H TYPE - SHAFT, OUTPUT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87567534		1	TRANSMISSION, Powershift, Four Wheel Drive, Incl. Ref 1 - 27
1		P3533055		1	SCREW, M12 x 25
2		181165A1		1	WASHER
3		100748A1		1	O-RING, 1.421" ID x 1.699" OD x 0.139"
4		73300856		1	BEARING ASSY
5		87705528		1	SNAP RING
6		87705529		AR	SHIM, 0.1 mm
6		87705530		AR	SHIM, 0.3 mm
6		87705531		AR	SHIM, 0.5 mm
7		87705543		1	THRUST WASHER
8		87705544		6	WASHER, Belleville Spring
9		87705545		1	SPACER
10		510120		1	O-RING, 1.734" ID x 2.012" OD x 0.139"
11		87705547		1	PISTON, Clutch
12		87705548		1	O-RING
13		87705549		1	BRAKE PLATE
14		87705550		1	SHAFT, Four Wheel Drive; Incl Ref 17
15		87705551		3	PIN, Brake
16		87705552		3	O-RING, 11.91mm ID x 2.6mm Width
17		87705553		1	RIVET, D6
18		87705554		1	CLUTCH OVERHAUL KIT, Four Wheel Drive
19		87705555		1	LOCKING RING
20		87705557		1	LOCKING RING
21		87705560		1	GEAR, 41T
22		358633A1		1	BEARING, NEEDLE
23		358635A1		1	SPACER, Thrust Washer
24		181126A1		1	BEARING, BALL, 45 mm ID x 85 mm OD x 19 mm
25		87705562		2	SEALRING
26		87705564		1	FLANGE
27		181123A1		1	OIL SEAL

580N 580SN WT
590SN 580SN

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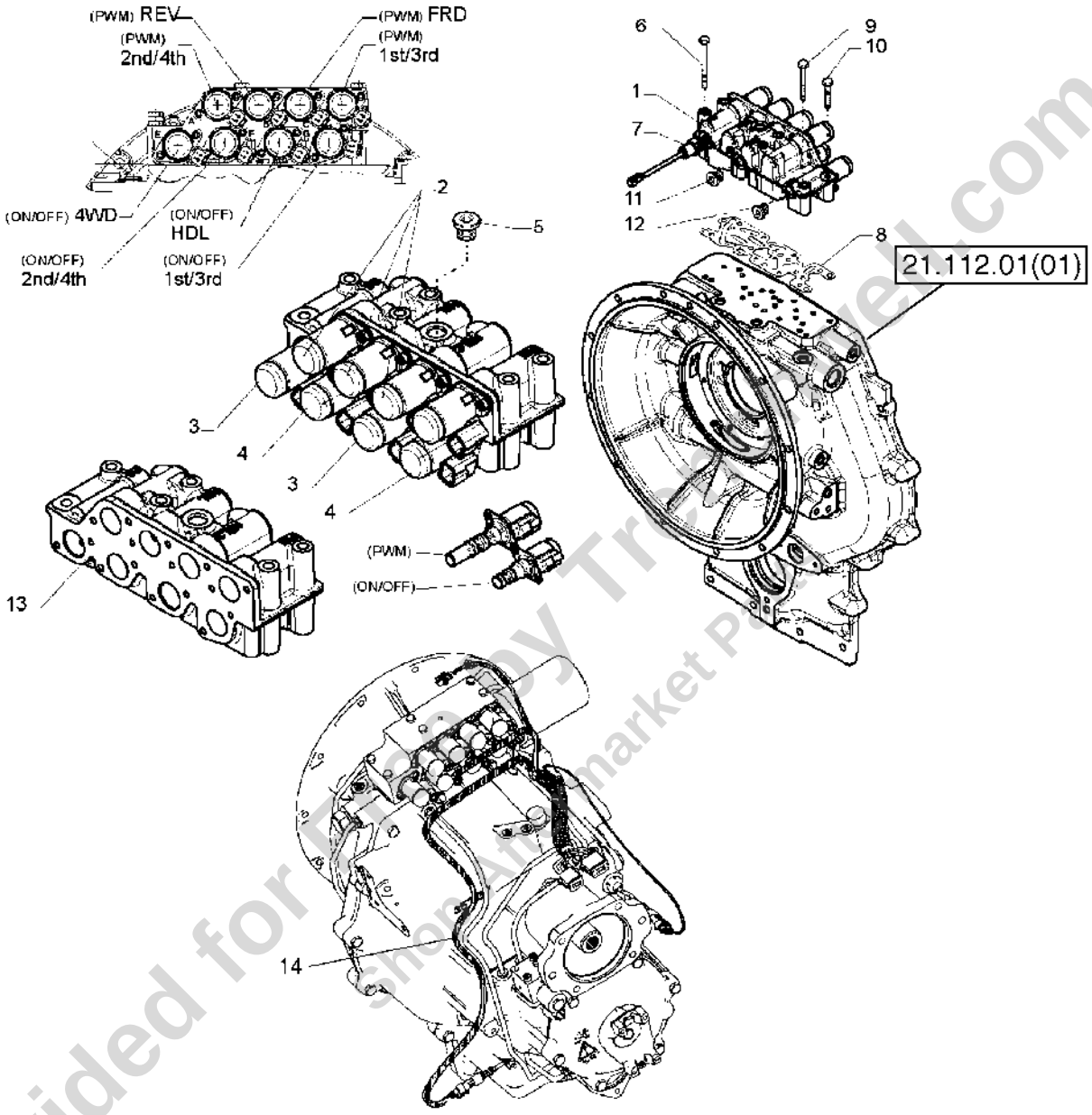
21.155.16		p1	01/11

TRANSMISSION - 4WD POWERSHIFT H TYPE - VALVE, CONTROL



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TRANSMISSION - 4WD POWERSHIFT H TYPE - VALVE, CONTROL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87567534		1	TRANSMISSION, Powershift, Four Wheel Drive, Incl. Ref 1 - 13
1		87705566		1	CONTROL VALVE, Incl 2 - 4, 13
2		87705567		4	SOLENOID VALVE, PWM (Pulse Width Modulation)
3		87705568		2	SOLENOID VALVE, On/Off; 4WD, HDL
4		87705569		2	SOLENOID VALVE, On/Off; 2nd/4th, 1st/3rd
5		87705714		1	PLUG
6		87707942		4	BOLT, M8 x 95
7		87705716		1	SENSOR, Pressure
8		87705720		1	GASKET
9		87705723		1	BOLT, M8 x 65 Bolt
10		814-8055		1	BOLT, Hex, M8 x 55, 8.8
11		E135809		1	PLUG
12		87705729		1	PLUG
13		87705732		1	VALVE BODY
14		87722866		1	WIRE HARNESS, Powershift

580N 580SN WT
590SN 580SN

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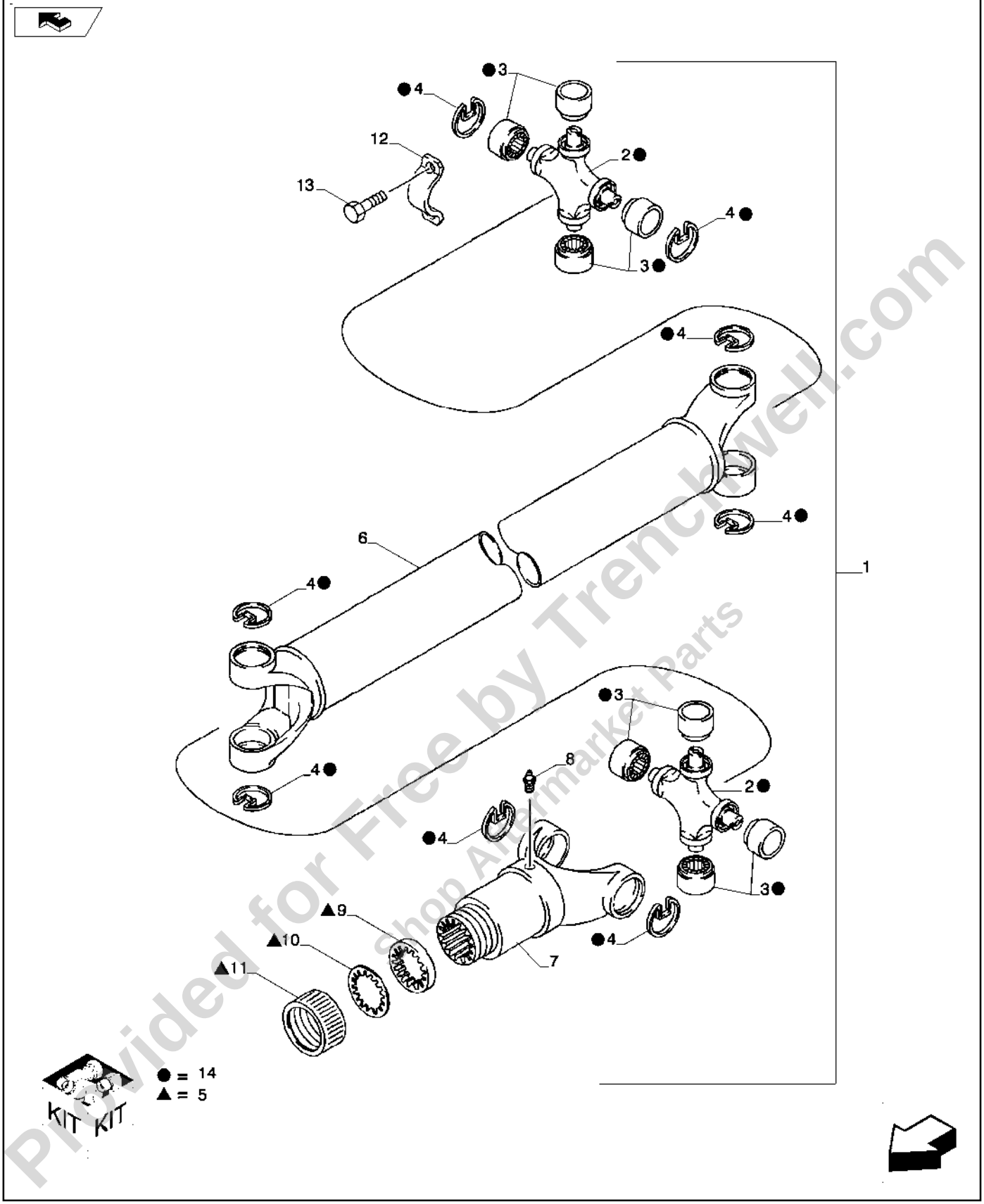
21.300.00		p1	11/10

DRIVESHAFT - REAR AXLE (580SN WT, 590SN)



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DRIVESHAFT - REAR AXLE (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87693489		1	DRIVE SHAFT, Inc 2 - 8
2		NSS		1	NOT SERVICED SEPARATELY, JOINT Universal
3		NSS		4	NOT SERVICED SEPARATELY, BEARING Journal
4		NSS		4	NOT SERVICED SEPARATELY, RING
5		NSS		1	NOT SERVICED SEPARATELY
6		NSS		1	NOT SERVICED SEPARATELY
7		87716825		1	YOKE
8		219-10		1	LUBE NIPPLE, 1/4"-28 NPT x .68" lg
9		NSS		1	NOT SERVICED SEPARATELY
10		NSS		1	NOT SERVICED SEPARATELY
11		NSS		1	NOT SERVICED SEPARATELY
12		90-6682T1		2	CLAMP
13		9637611		4	SCREW, Hex Flange Head, Special, 5/16 - 24 UNF x 1-1/16
14		393231A1		2	SPIDER, Universal Joint, Inc 2 - 4

580SN WT
590SN

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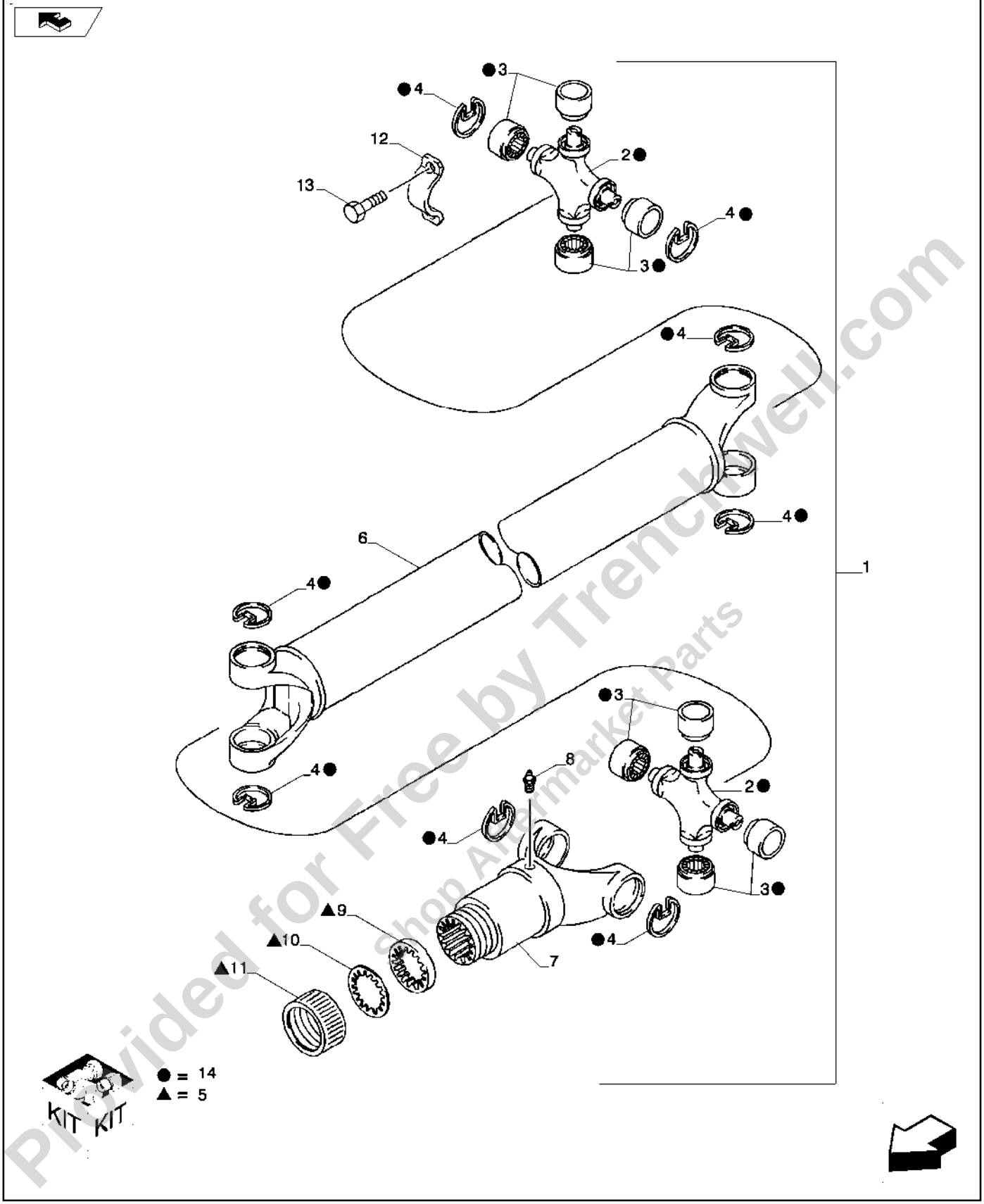
21.300.00		p1	11/10

DRIVESHAFT - REAR AXLE (580N, 580SN)



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DRIVESHAFT - REAR AXLE (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87613924		1	DRIVE SHAFT, Inc 2 - 8
2		NSS		1	NOT SERVICED SEPARATELY, JOINT Universal
3		NSS		4	NOT SERVICED SEPARATELY, BEARING Journal
4		NSS		4	NOT SERVICED SEPARATELY, RING
5		87716824		1	CAP
6		NSS		1	NOT SERVICED SEPARATELY
7		87716823		1	YOKE
8		219-10		1	LUBE NIPPLE, 1/4"-28 NPT x .68" lg
9		NSS		1	NOT SERVICED SEPARATELY
10		NSS		1	NOT SERVICED SEPARATELY
11		NSS		1	NOT SERVICED SEPARATELY
12		90-6682T1		2	CLAMP
13		9637611		4	SCREW, Hex Flange Head, Special, 5/16 - 24 UNF x 1-1/16
14		393231A1		2	SPIDER, Universal Joint, Inc 2 - 4

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44.100.17	02	AXLE, FRONT - HOUSING, SWIVEL (590SN)

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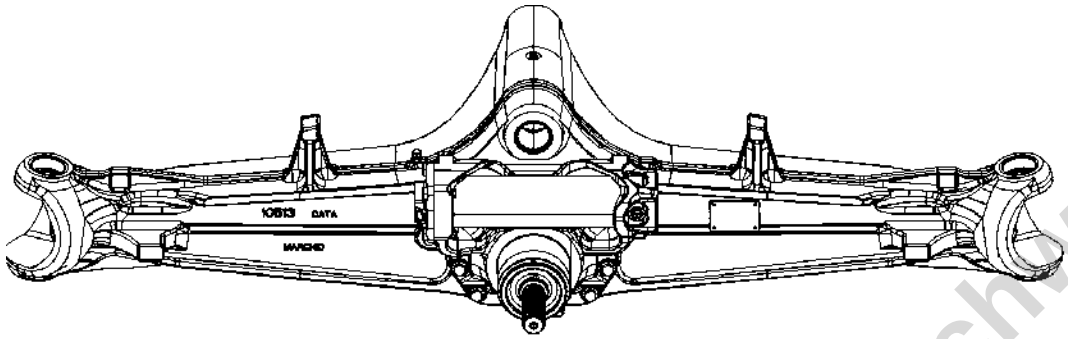
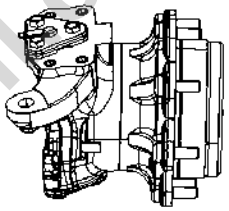
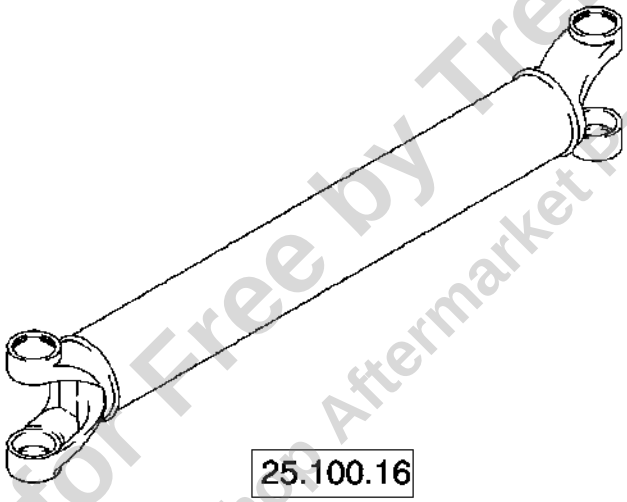
PICTORIAL INDEX - FRONT MECHANICAL DRIVE



25.100.08



25.310.01



25.100.16

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PICTORIAL INDEX - FRONT MECHANICAL DRIVE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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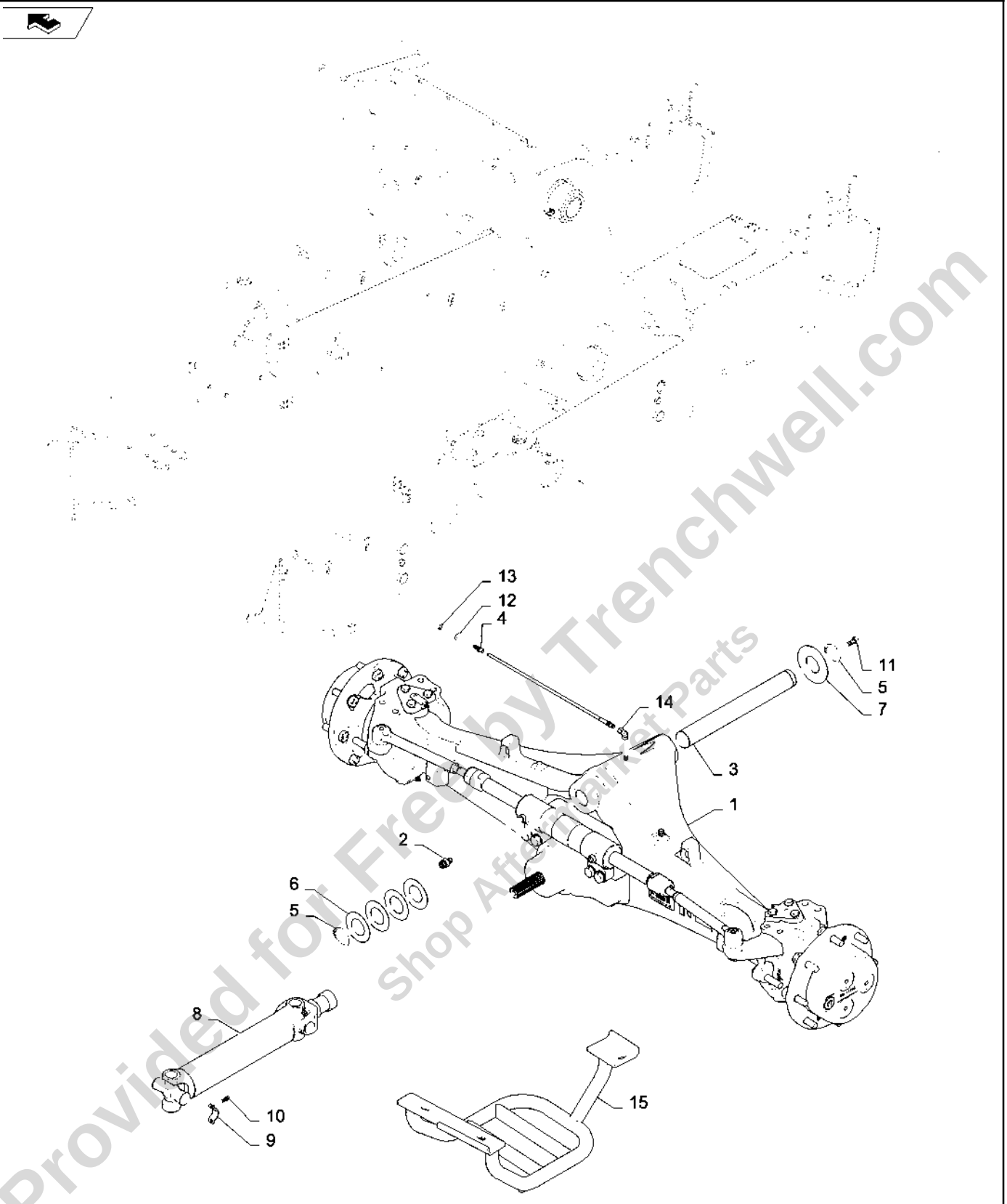
25.100.02	01	p1	11/11

AXLE, FRONT DRIVE - MOUNTING (580N, 580SN)



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AXLE, FRONT DRIVE - MOUNTING (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84263643		1	4WD AXLE ASSY
		84263643R		1	REMAN-FRONT AXLE, 4WD, Remanufactured; 580N, 580SN; N.A. Only
		84263643C			CORE-FRONT AXLE, 4WD, Return Number; For N.A. Only
2		9992342		2	HYD CONNECTOR
3		87404197		1	PIVOT PIN
4		87572760		1	HOSE ASSY.
5		800-44050		2	SNAP RING, M50, Ext
6		191796A1		4	WASHER
7		D123684		1	WASHER
8		87694656		1	DRIVE SHAFT
9		D137626		2	CLAMP
10		9637611		4	SCREW
11		614-12025		1	BOLT, Hex, M12 x 25, 8.8
12		87655046		1	SPECIAL WASHER
13		F53473		1	NUT
14		218-5103		1	ELBOW, 90º, 7/16"-20, 37º x 7/16"-20, O-Ring
15		84387063		1	TUBE, Driveshaft Guard
		614-12040		3	BOLT, Hex, M12 x 40, 8.8, Full Thd, Driveshaft Guard Mounting (Not Shown)
		87655043		3	SPECIAL WASHER, Driveshaft Guard Mounting (Not Shown)

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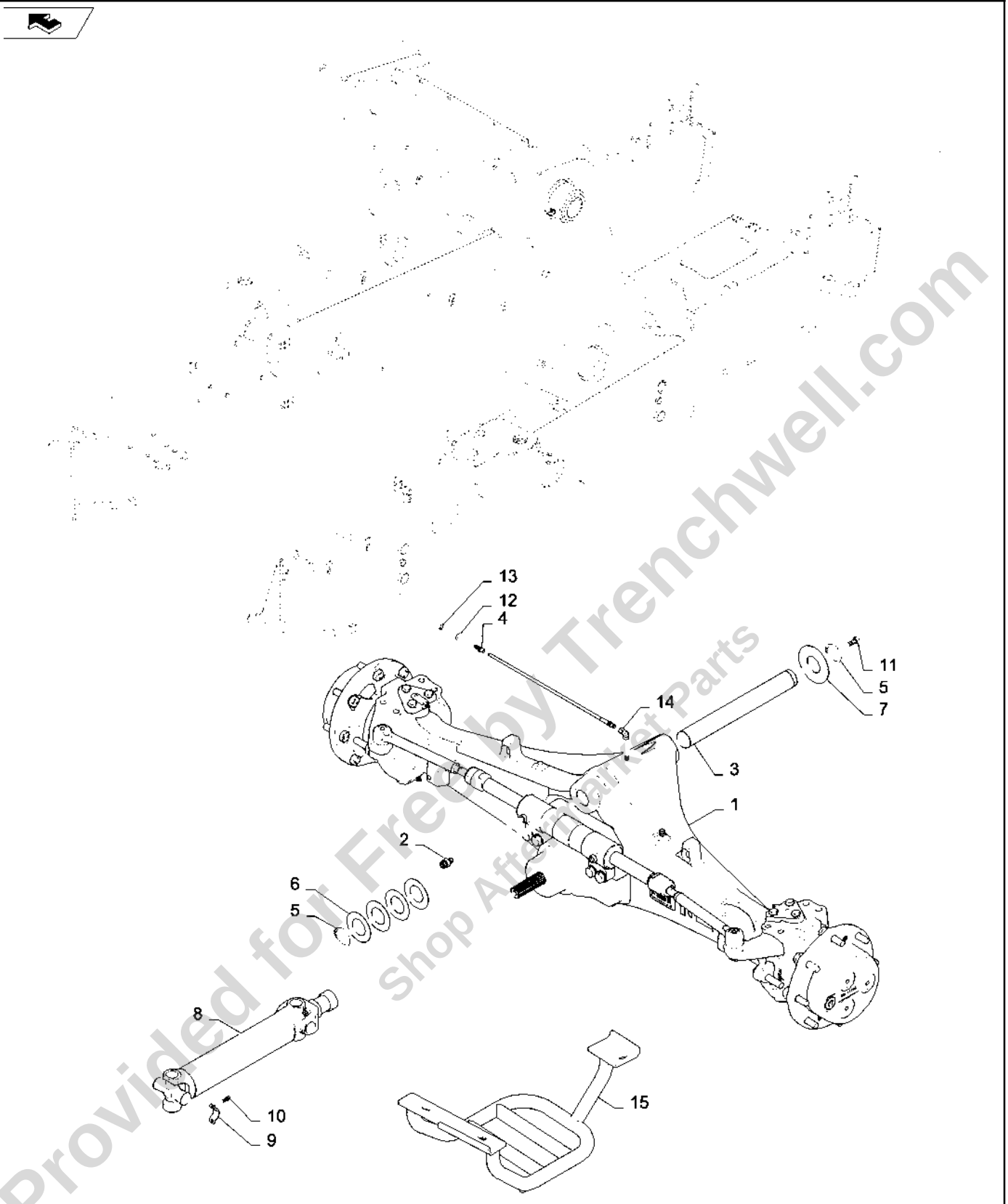
AXLE, FRONT DRIVE - MOUNTING (580SN WT)



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AXLE, FRONT DRIVE - MOUNTING (580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84263654		1	4WD AXLE ASSY, 580SN WT
		84263654R		1	4WD AXLE ASSY, Remanufactured; 580SN WT; N.A. Only
		84263654C			4WD AXLE ASSY, Return Number; For N.A. Only
2		9992342		2	HYD CONNECTOR
3		87404197		1	PIVOT PIN
4		87572760		1	HOSE ASSY.
5		800-44050		2	SNAP RING, M50, Ext
6		191796A1		4	WASHER
7		D123684		1	WASHER
8		87694656		1	DRIVE SHAFT
9		D137626		2	CLAMP
10		9637611		4	SCREW
11		614-12025		1	BOLT, Hex, M12 x 25, 8.8
12		87655046		1	SPECIAL WASHER
13		F53473		1	NUT
14		218-5103		1	ELBOW, 90º, 7/16"-20, 37º x 7/16"-20, O-Ring
15		84387063		1	TUBE, Driveshaft Guard
		614-12040		3	BOLT, Hex, M12 x 40, 8.8, Full Thd, Driveshaft Guard Mounting (Not Shown)
		87655043		3	SPECIAL WASHER, Driveshaft Guard Mounting (Not Shown)

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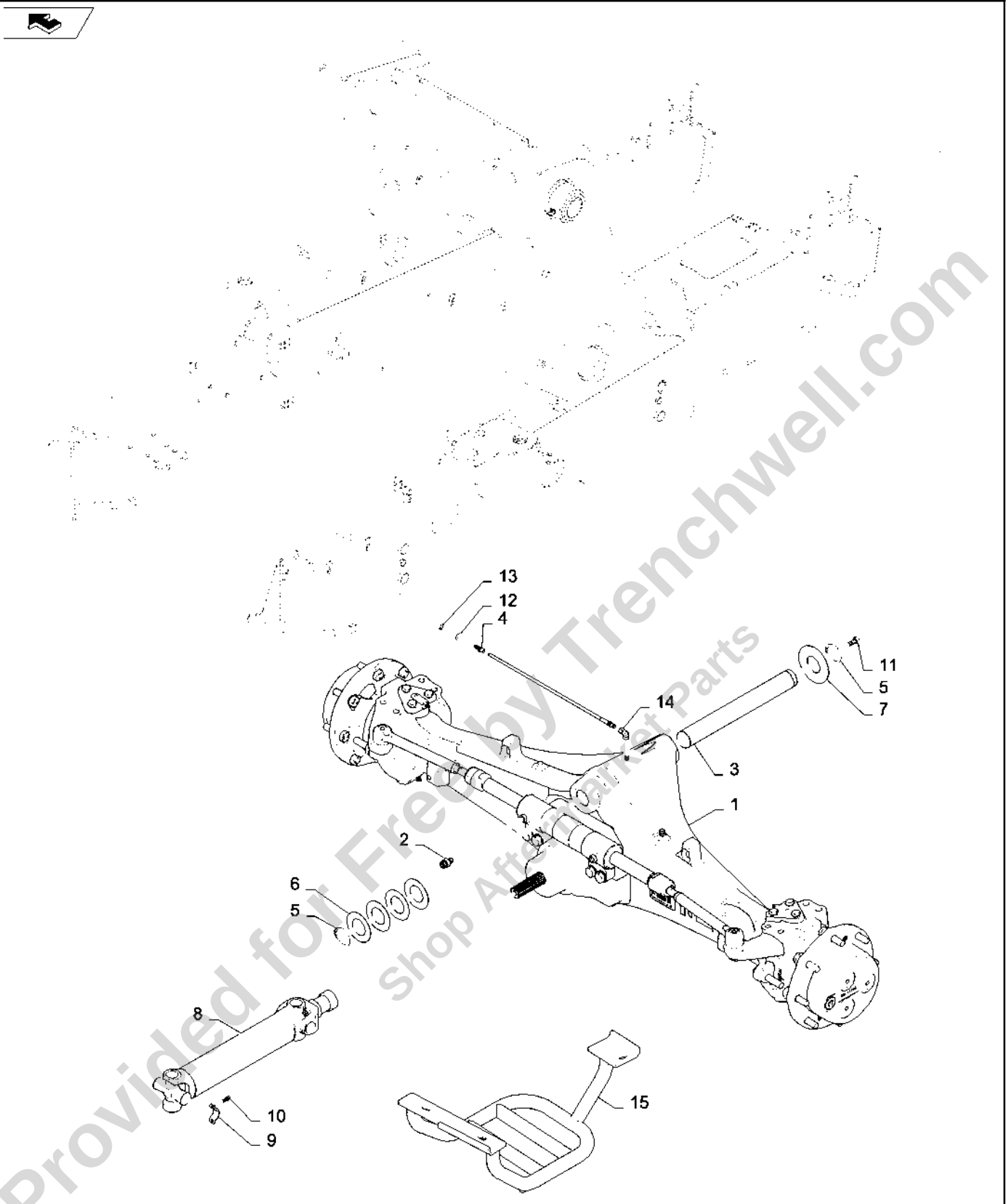
AXLE, FRONT DRIVE - MOUNTING (590SN)



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AXLE, FRONT DRIVE - MOUNTING (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84263653		1	4WD AXLE ASSY, 590SN
		84263653R		1	4WD AXLE ASSY, Remanufactured; 590SN; N.A. Only
		84263653C			4WD AXLE ASSY, Return Number; For N.A. Only
2		9992342		2	HYD CONNECTOR
3		87404197		1	PIVOT PIN
4		87572760		1	HOSE ASSY.
5		800-44050		2	SNAP RING, M50, Ext
6		191796A1		4	WASHER
7		D123684		1	WASHER
8		87694656		1	DRIVE SHAFT
9		D137626		2	CLAMP
10		9637611		4	SCREW
11		614-12025		1	BOLT, Hex, M12 x 25, 8.8
12		87655046		1	SPECIAL WASHER
13		F53473		1	NUT
14		218-5103		1	ELBOW, 90º, 7/16"-20, 37º x 7/16"-20, O-Ring
15		84387063		1	TUBE, Driveshaft Guard
		614-12040		3	BOLT, Hex, M12 x 40, 8.8, Full Thd, Driveshaft Guard Mounting (Not Shown)
		87655043		3	SPECIAL WASHER, Driveshaft Guard Mounting (Not Shown)

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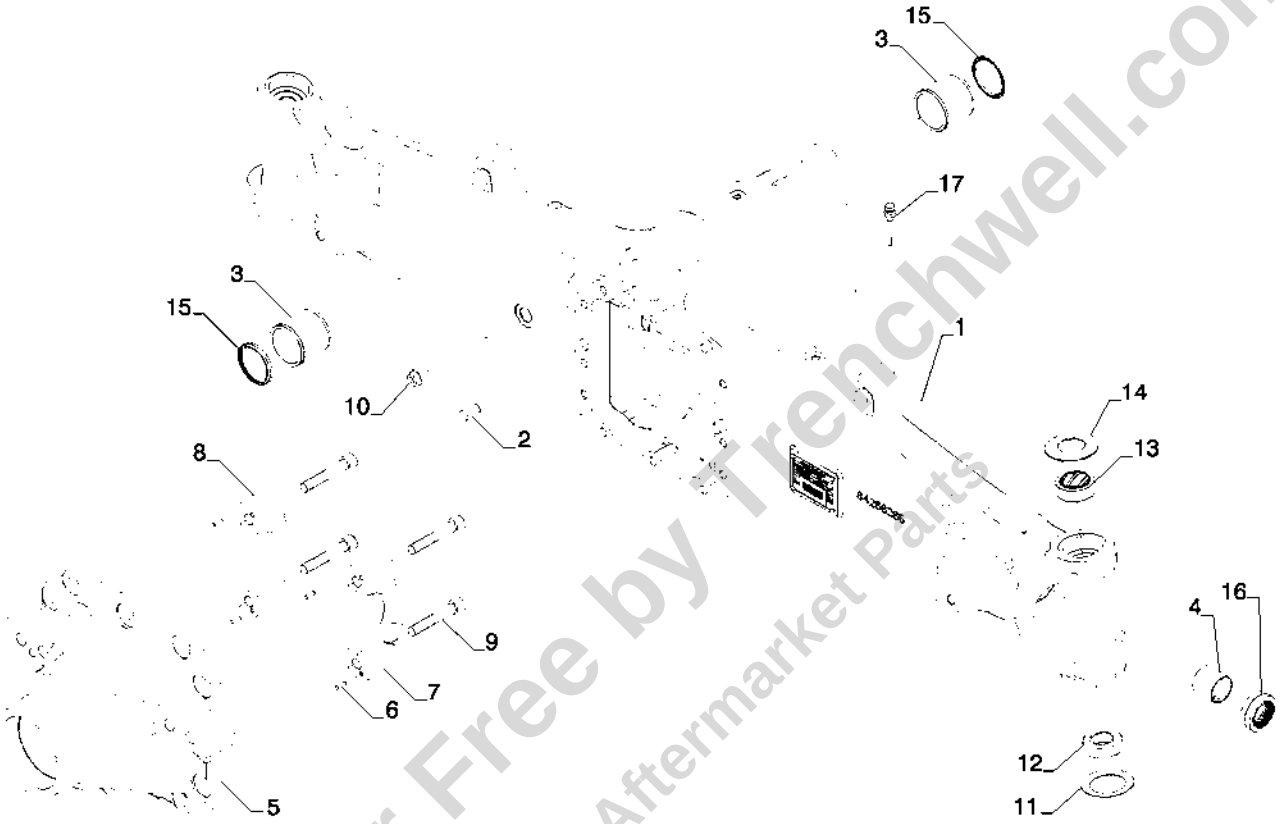
AXLE, FRONT DRIVE - HOUSING (580N, 580SN)



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AXLE, FRONT DRIVE - HOUSING (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84310720		1	AXLE, Standard ACP
2		4985062		2	DOWEL, M15 x 25.00mm
3		87748946		2	BUSHING, ACP Pivot
4		84266996		2	BUSHING, 35 x 39 x 35
5		84299349		1	COVER, Inc 7,8
6		4966244		4	DOWEL, M5 x 15
7		NSS		1	NOT SERVICED SEPARATELY
8		NSS		1	NOT SERVICED SEPARATELY
9		84265310		4	SCREW
10		14326211		1	PLUG, M22 x 1.50, R50, ZND
11		84241624		2	SPRING
12		87523063		2	SPHERICAL BEARING, 28 mm ID x 52 mm OD x 16 mm
13		84241615		2	GROOVED BUSHING
14		84241623		2	SPRING
15		D123655		2	SEAL
16		84266933		2	SEAL
17		84258517		1	BREATHER

580N 580SN WT
590SN 580SN

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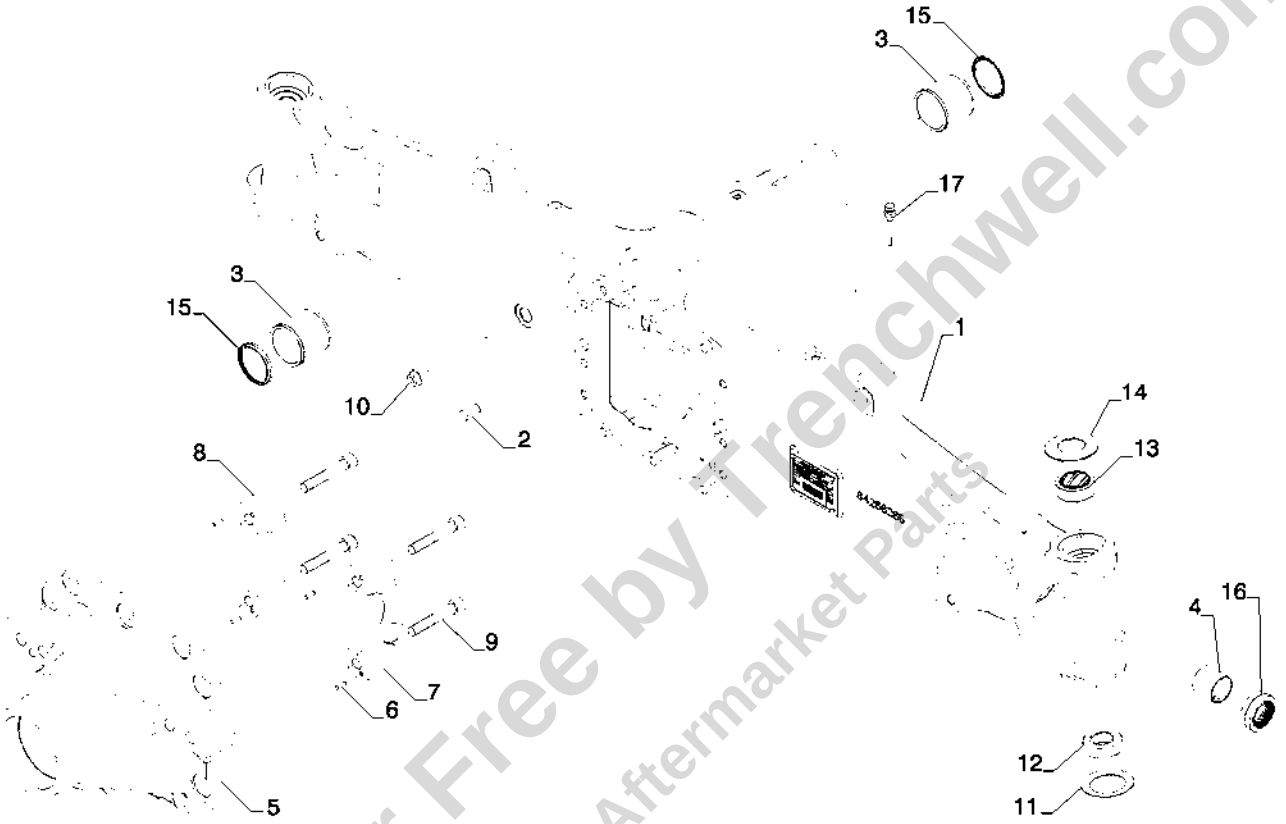
25.100.08	02	p1	12/10

AXLE, FRONT DRIVE - HOUSING HD ACP (580SN WT, 590SN)



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AXLE, FRONT DRIVE - HOUSING HD ACP (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84310708		1	AXLE, Heavy Duty ACP
2		4985062		2	DOWEL, M15 x 25.00mm
3		87748946		2	BUSHING
4		84266996		2	BUSHING
5		84299349		1	COVER
6		4966244		4	DOWEL, M5 x 15
7		NSS		1	NOT SERVICED SEPARATELY
8		NSS		1	NOT SERVICED SEPARATELY
9		84265310		4	SCREW
10		14326211		1	PLUG, M22 x 1.50, R50, ZND
11		84241624		2	SPRING
12		87523063		2	SPHERICAL BEARING, 28 mm ID x 52 mm OD x 16 mm
13		84241615		2	GROOVED BUSHING
14		84241623		2	SPRING
15		D123655		2	SEAL
16		84266933		2	SEAL
17		84258517		1	BREATHER

580SN WT
590SN

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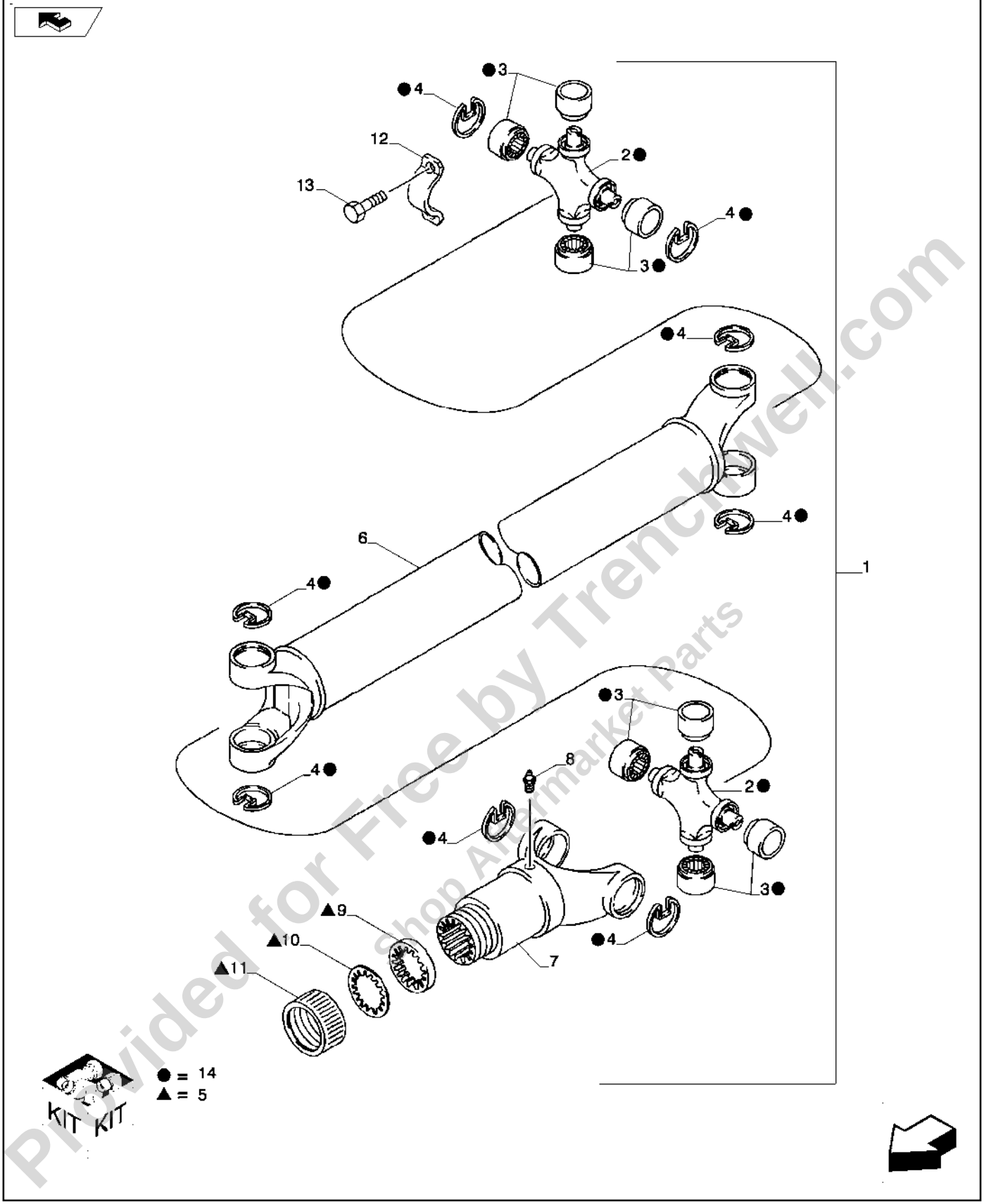
AXLE, FRONT DRIVE - SHAFT



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AXLE, FRONT DRIVE - SHAFT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87694656		1	DRIVE SHAFT, With or Without Powershift Transmission, Incl. Ref 2 - 11
2		NSS		1	NOT SERVICED SEPARATELY, JOINT, Universal
3		NSS		4	NOT SERVICED SEPARATELY, BEARING, Journal
4		NSS		4	NOT SERVICED SEPARATELY, RING, Retaining
5		D149860		1	SERVICE KIT, Incl. Ref 9 - 11; If Used
6		NSS		1	NOT SERVICED SEPARATELY, SHAFT
7		87716823		1	YOKE
8		219-10		1	LUBE NIPPLE, 1/4"-28 NPT x .68" lg
9		NSS		1	NOT SERVICED SEPARATELY, WASHER, Cork
10		NSS		1	NOT SERVICED SEPARATELY, WASHER, Steel
11		87716824		1	CAP
12		87538515		2	RETAINER
13		9637611		4	SCREW, Hex Flange Head, Special, 5/16 - 24 UNF x 1-1/16
14		393231A1		2	SPIDER, Universal Joint, Inc Ref 2 - 4

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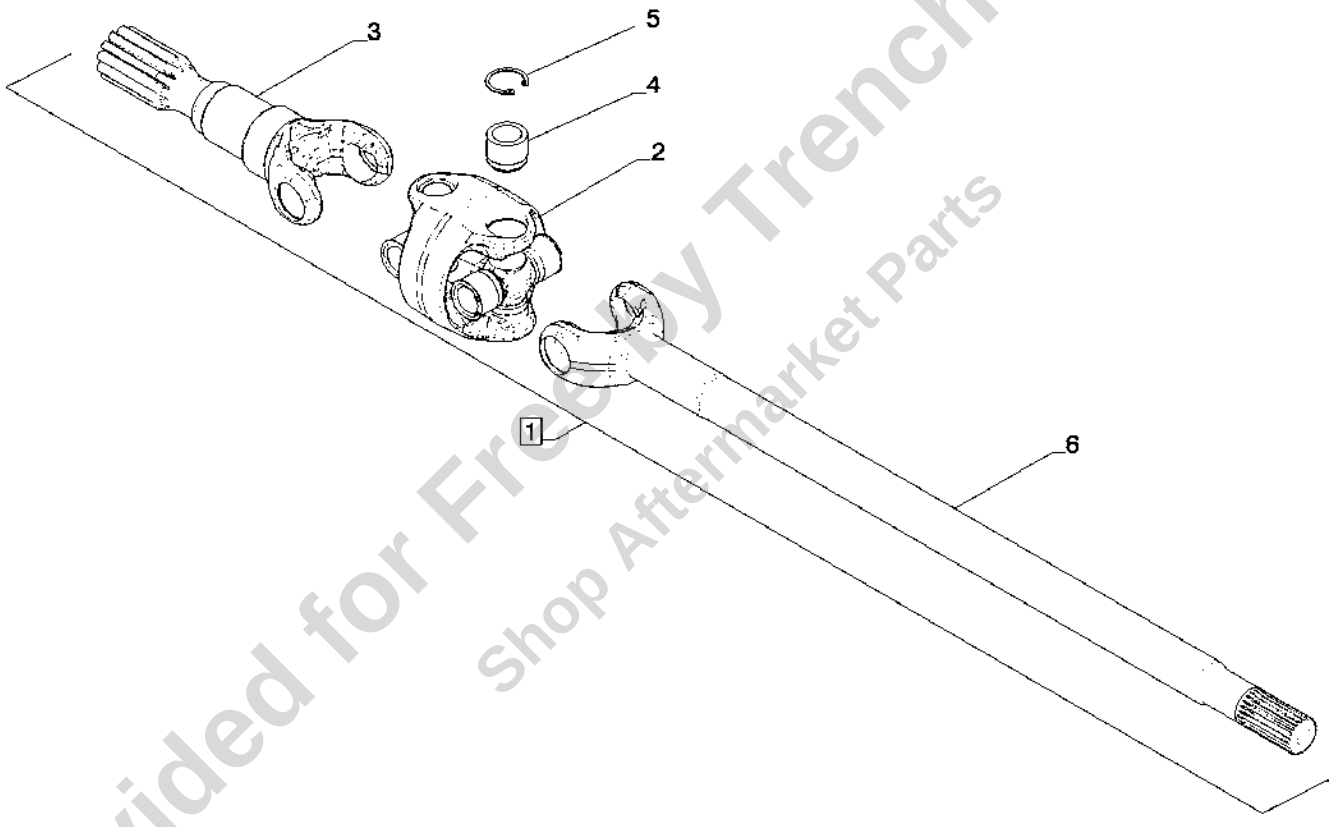
25.100.16	02	p1	10/10

AXLE, FRONT DRIVE - SHAFT HD ACP (580SN WT, 590SN)



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AXLE, FRONT DRIVE - SHAFT HD ACP (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84316954		2	ARTICULATED AXLE SHAFT

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580SN WT
590SN

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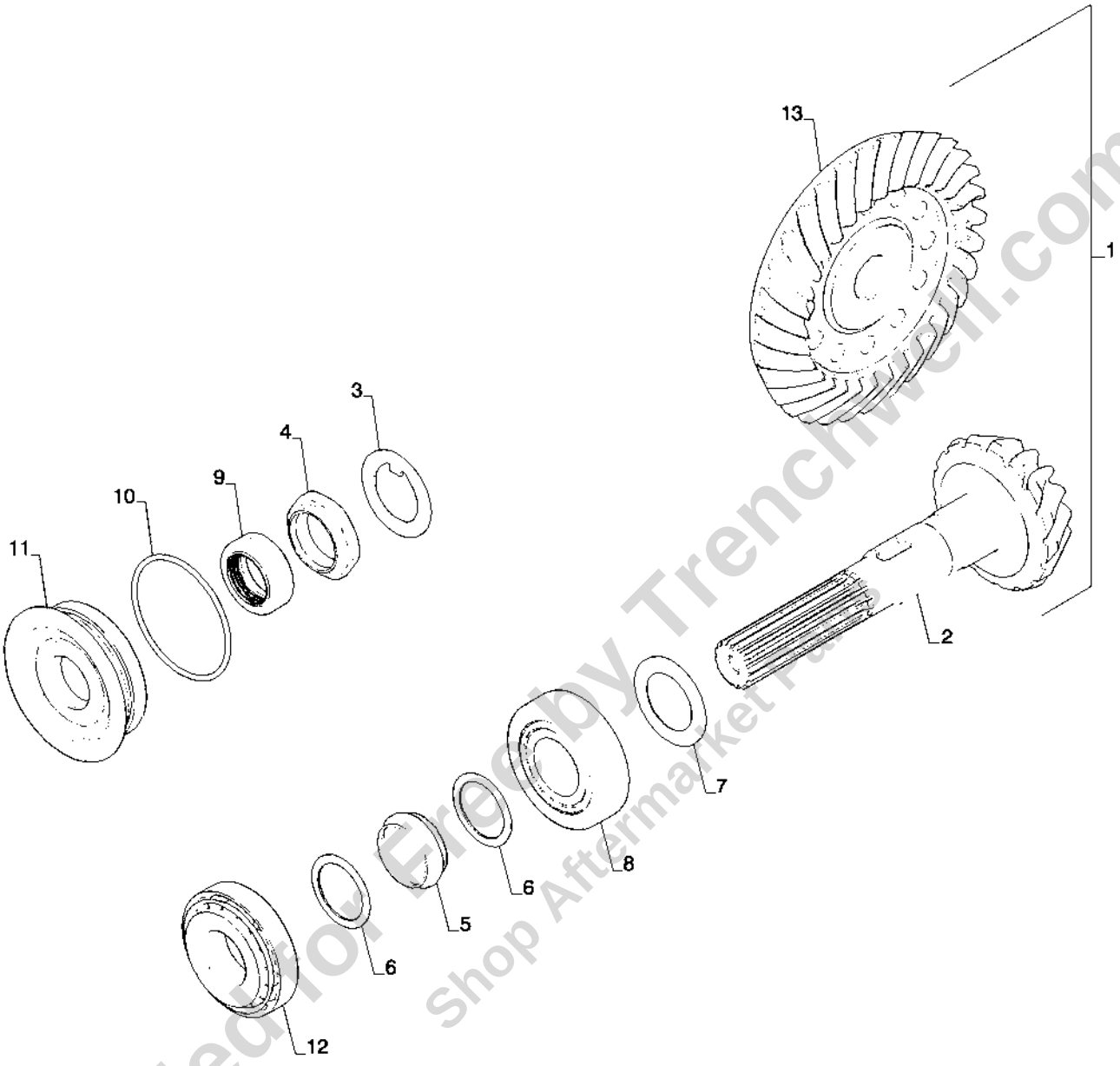
25.102.01	01	p1	10/10

AXLE, FRONT DRIVE - RING AND PINION (580N,580SN)



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AXLE, FRONT DRIVE - RING AND PINION (580N,580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84299353		1	BEVEL GEAR, 16:32 Ratio 2:1, inc 2,13
2		NSS		1	NOT SERVICED SEPARATELY, GEAR Pinion
3		84161677		1	E-RING
4		84274691		1	NUT, Ring
5		84299341		1	SLEEVE, Collapsible
6		84311242		2	SPACER
7		84299343		1	WASHER
8		84299345		1	ROLLER BEARING
9		84258508		1	SEAL, Oil
10		638-54825		1	O-RING
11		84318880		1	HOUSING, Cover, Differential
12		87747982		1	ROLLER BEARING
13		NSS		1	NOT SERVICED SEPARATELY, RING Gear

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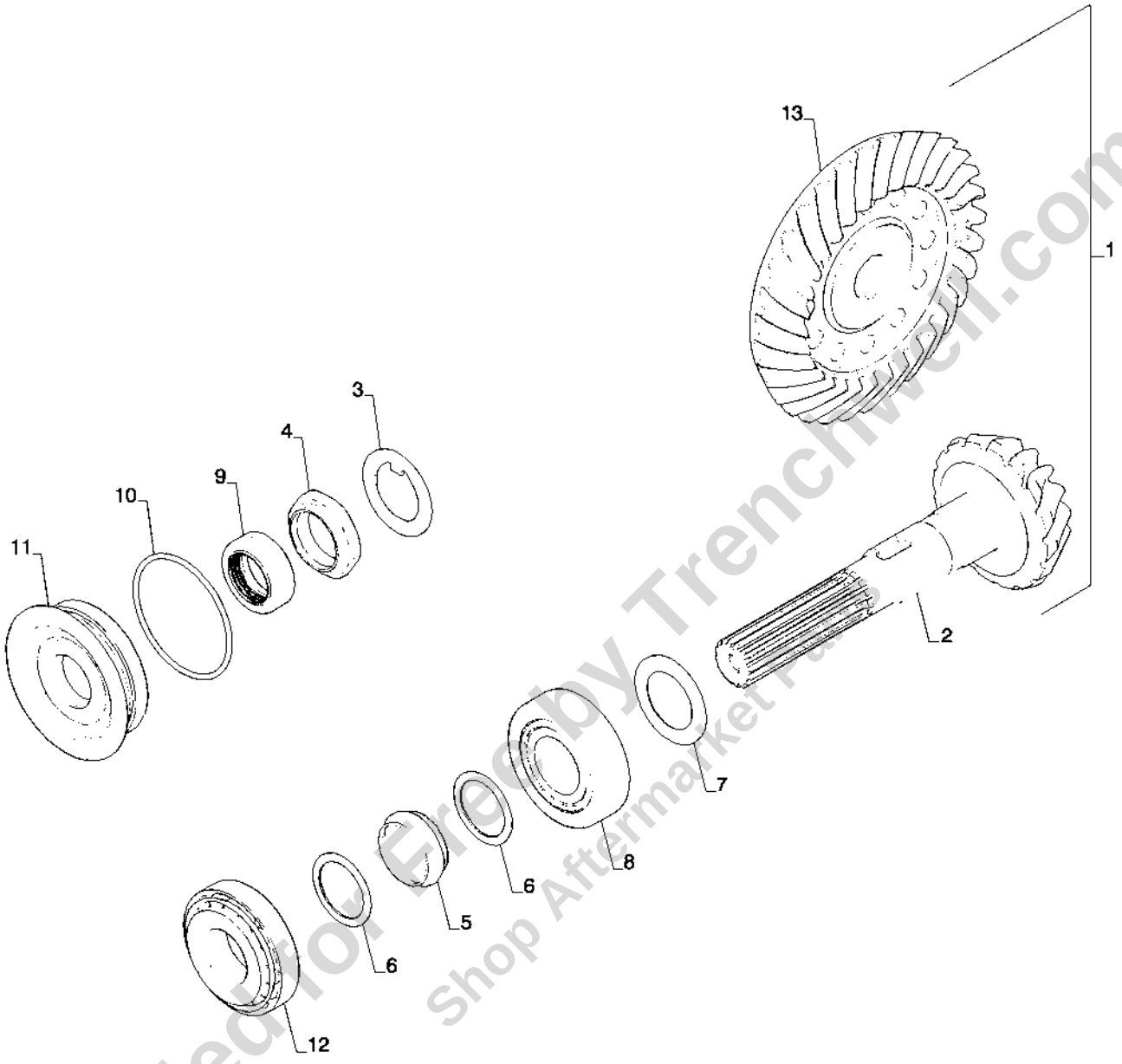
25.102.01	02	p1	10/10

AXLE, FRONT DRIVE - RING AND PINION HD ACP LS (580SN WT)



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AXLE, FRONT DRIVE - RING AND PINION HD ACP LS (580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84299355		1	GEAR SET, 14:32 Ratio 2.286:1, Inc 2,13
2		NSS		1	NOT SERVICED SEPARATELY, GEAR Pinion
3		84161677		1	E-RING
4		84274691		1	NUT, Ring
5		84299341		1	SLEEVE, Collapsible
6		84311242		2	SPACER
7		84299343		1	WASHER
8		84299345		1	ROLLER BEARING
9		84258508		1	SEAL, Oil
10		638-54825		1	O-RING
11		84318880		1	HOUSING, Cover, Differential
12		87747982		1	ROLLER BEARING
13		NSS		1	NOT SERVICED SEPARATELY, RING Gear

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580SN WT

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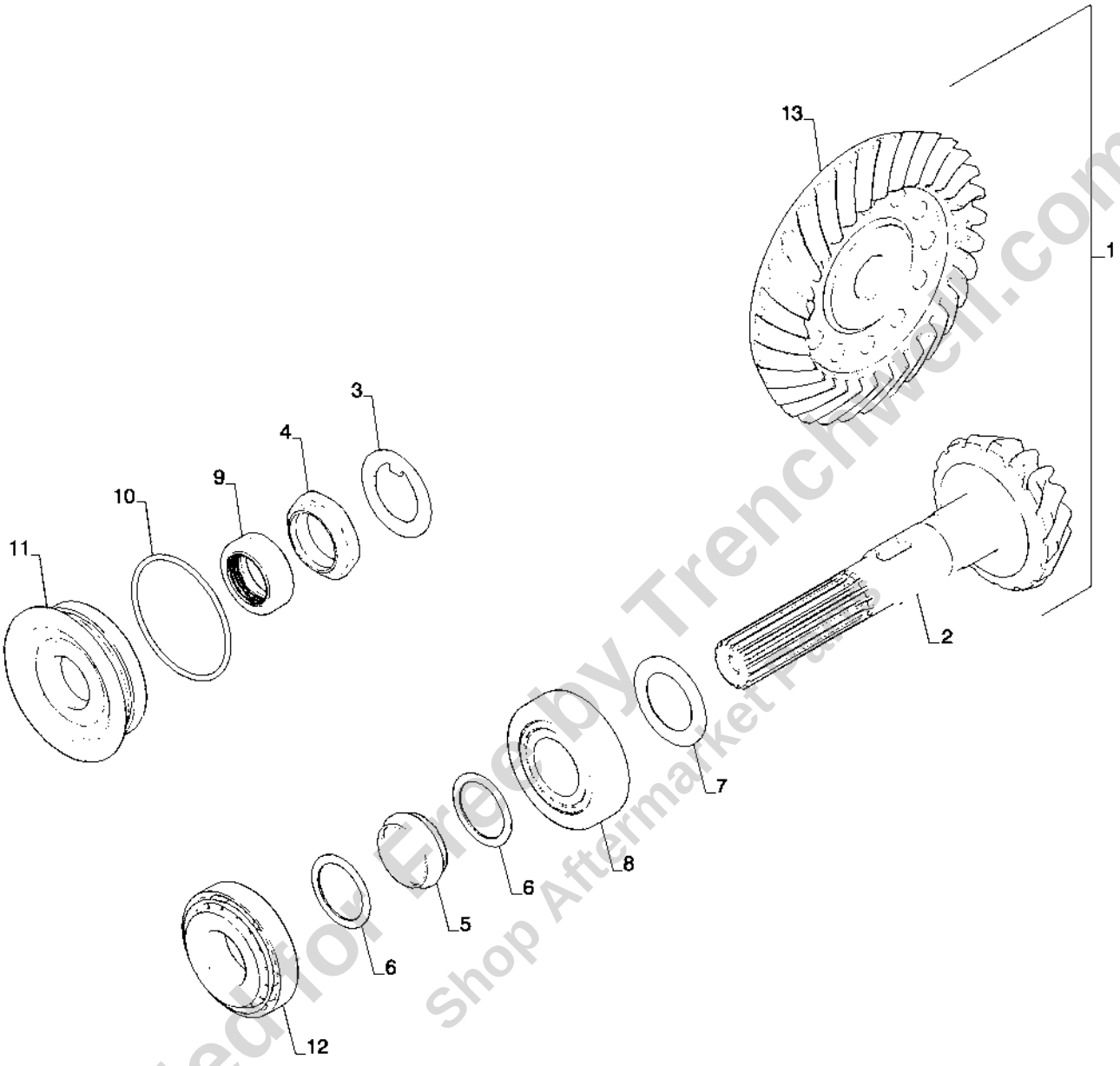
25.102.01	03	p1	10/10

AXLE, FRONT DRIVE - RING AND PINION (590SN)



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AXLE, FRONT DRIVE - RING AND PINION (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84299357		1	GEAR SET, 15:32 Ratio 2.214:1, Inc 2,13
2		NSS		1	NOT SERVICED SEPARATELY, GEAR Pinion
3		84161677		1	E-RING
4		84274691		1	NUT, Ring
5		84299341		1	SLEEVE, Collapsible
6		84311242		2	SPACER
7		84299343		1	WASHER
8		84299345		1	ROLLER BEARING
9		84258508		1	SEAL, Oil
10		638-54825		1	O-RING
11		84318880		1	HOUSING, Cover, Differential
12		87747982		1	ROLLER BEARING
13		NSS		1	NOT SERVICED SEPARATELY, RING Gear

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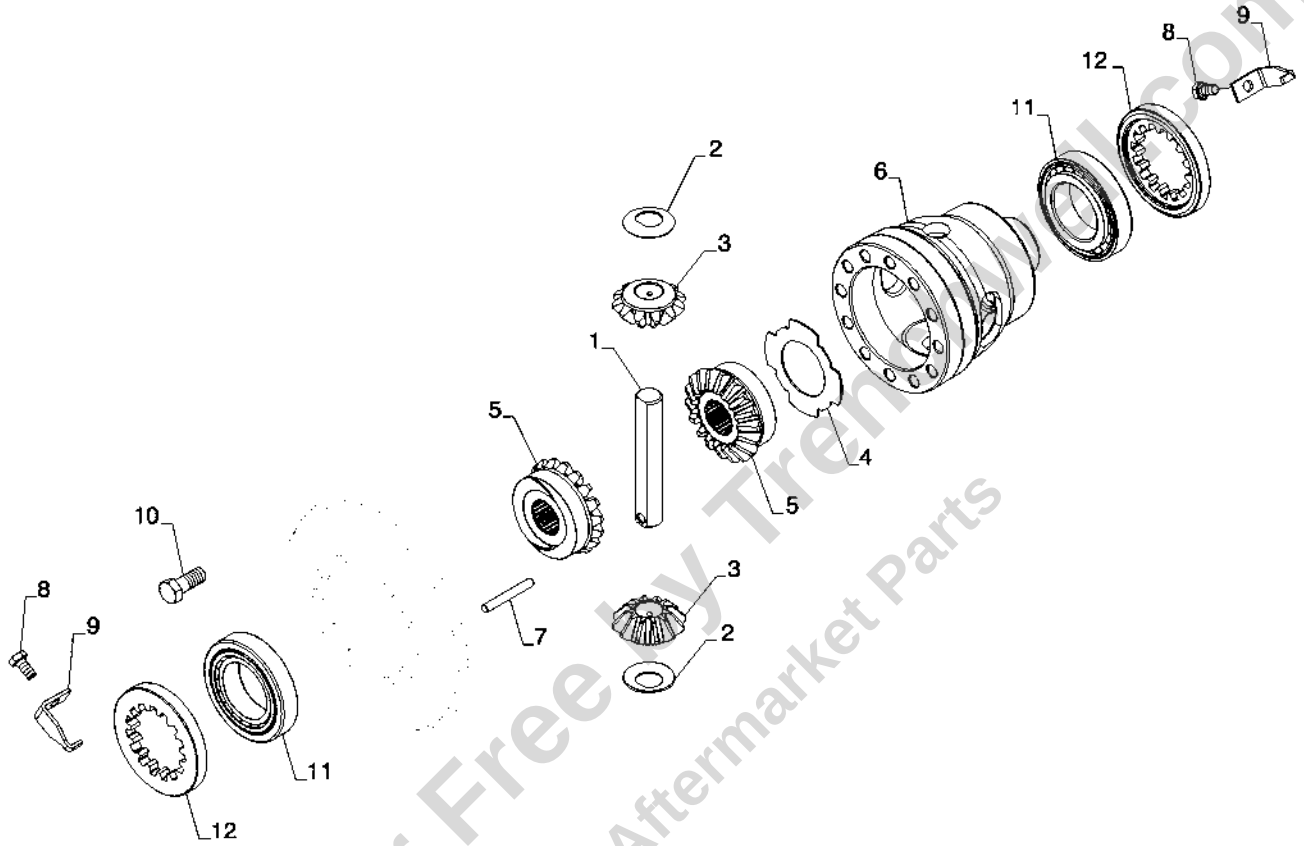
AXLE, FRONT DRIVE - DIFFERENTIAL



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AXLE, FRONT DRIVE - DIFFERENTIAL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84268545		1	PIN
2		87727553		2	THRUST WASHER
3		87727552		2	BEVEL PINION
4		84225954		1	DISC
5		84252967		2	BEVEL GEAR
6		84253805		1	AXLE HOUSING
7		84268547		1	PIN
8		84273742		2	BOLT
9		87748532		2	RETAINER
10		84273744		12	LOCK BOLT
11		561201		2	BEARING ASSY
12		4966240		2	RING NUT

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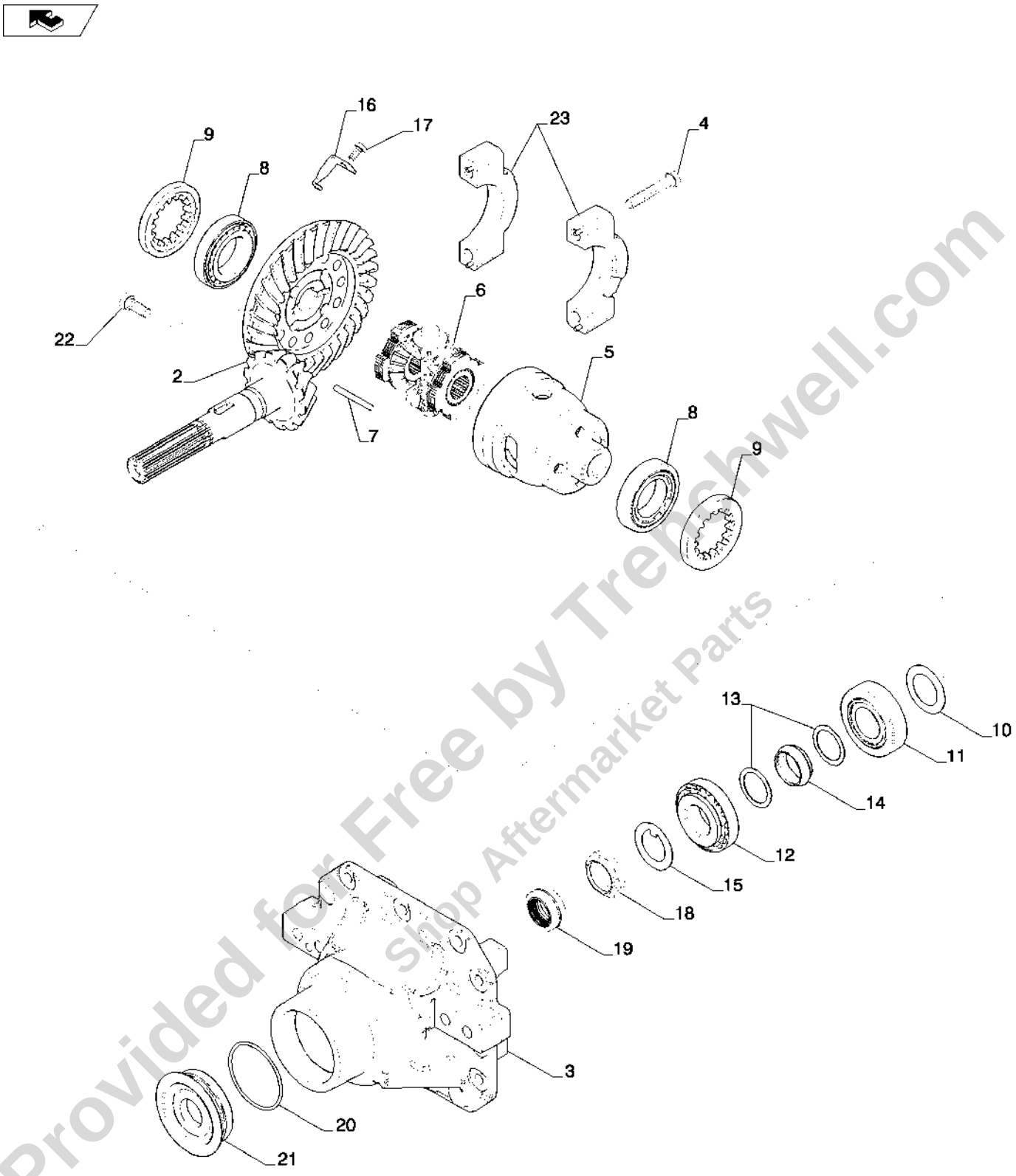
25.102.04	01	p1	03/11

AXLE, FRONT DRIVE - DIFFERENTIAL HD ACP LS (580SN WT)



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AXLE, FRONT DRIVE - DIFFERENTIAL HD ACP LS (580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		NS		1	NOT SERVICED, Assembly
2		84299355		1	GEAR SET
3		84299349		1	COVER
4		87015541		4	BOLT, Hex, M12 x 70, 10.9
5		84275476		1	HOUSING
6		84278738		1	DIFFERENTIAL ASSY
7		84268547		1	PIN
8		561201		2	BEARING ASSY
9		4966240		2	RING NUT
10		84299343		1	WASHER
11		84299345		1	ROLLER BEARING
12		87747982		1	ROLLER BEARING
13		84311242		2	SPACER
14		84299341		1	SLEEVE
15		84161677		1	E-RING
16		87748532		2	RETAINER
17		84273742		2	BOLT
18		84274691		1	NUT
19		84258508		1	SEAL
20		638-54825		1	O-RING
21		84318880		1	HOUSING
22		84273744		12	LOCK BOLT

580SN WT

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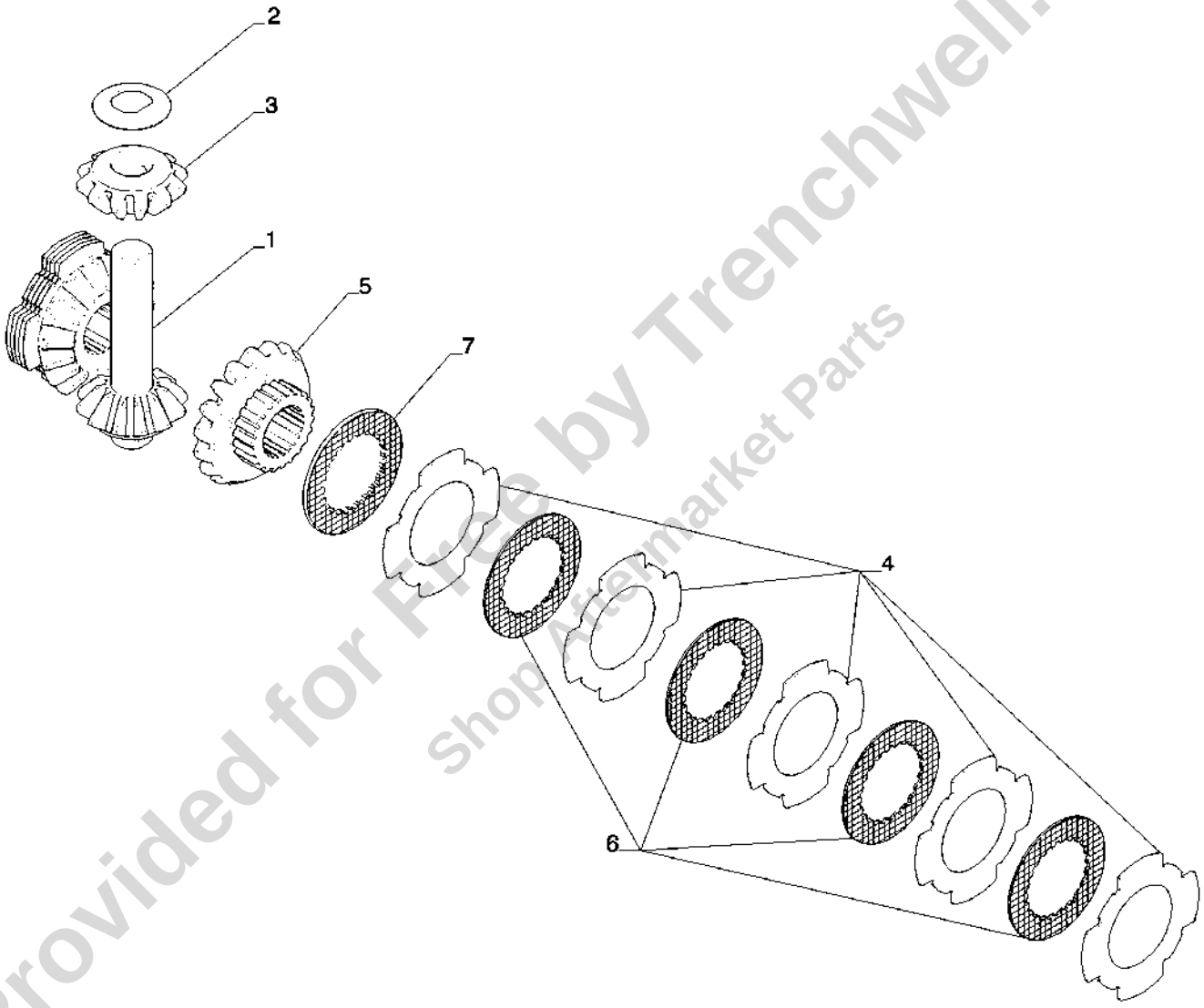
25.102.04	02	p1	01/11

AXLE, FRONT DRIVE - DIFFERENTIAL HD ACP LS (580SN WT)



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AXLE, FRONT DRIVE - DIFFERENTIAL HD ACP LS (580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84268545		1	PIN
2		87727553		2	THRUST WASHER
3		87727552		2	BEVEL PINION
4		84225954		10	DISC
5		NS		2	NOT SERVICED, Bevel Gear
6		NS		8	NOT SERVICED, Clutch Disc, Thin
7		NS		2	NOT SERVICED, Clutch Disc, Thick

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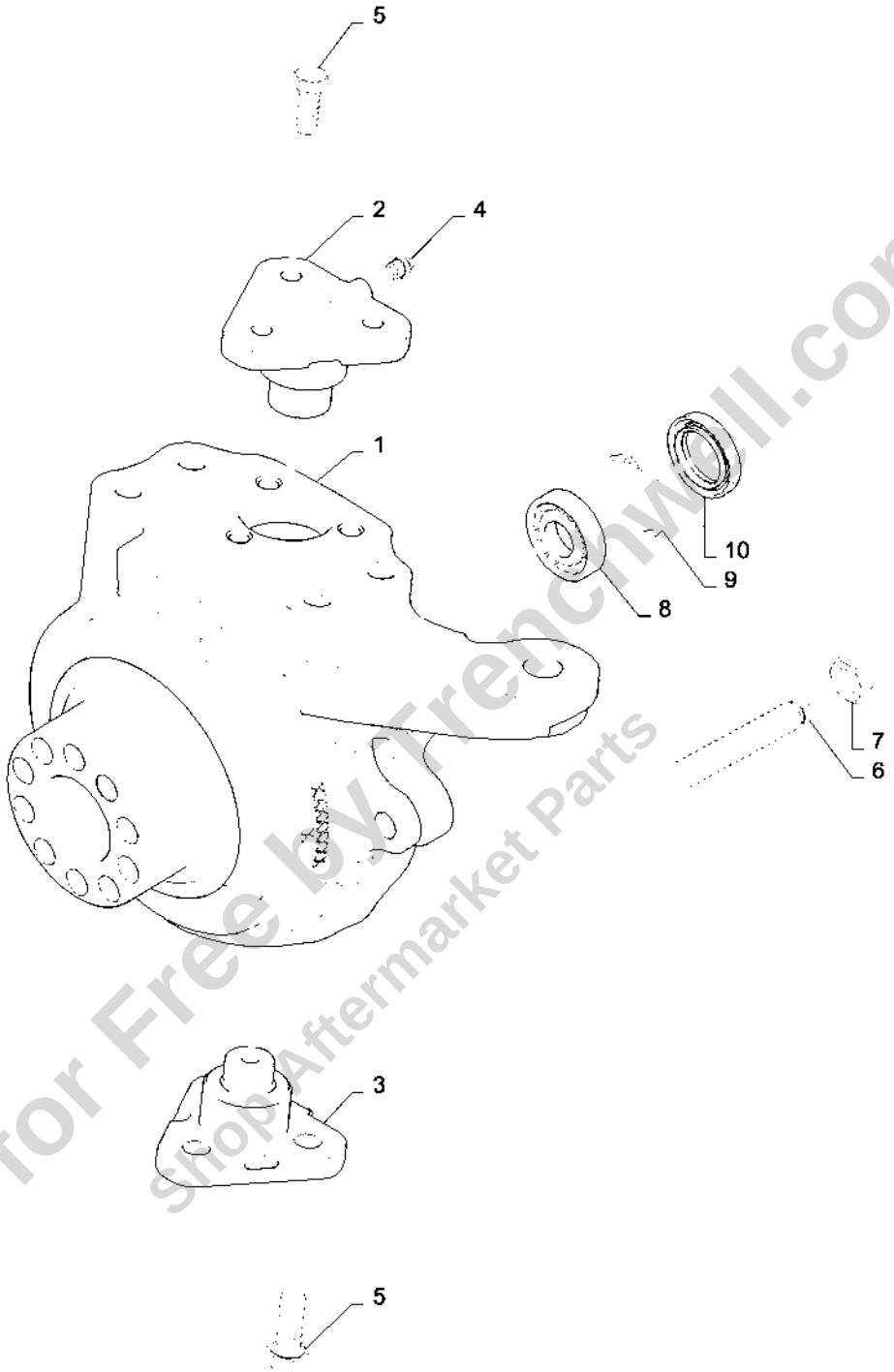
25.108.01	01	p1	05/11

AXLE, FRONT DRIVE - HOUSING, SWIVEL (580N, 580SN)



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AXLE, FRONT DRIVE - HOUSING, SWIVEL (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84259608		1	STEERING KNUCKLE, Left Hand
1		84259610		1	STEERING KNUCKLE, Right Hand (Not Shown)
2		84259754		2	PIN
3		84259753		2	PIN
4		84351730		1	FITTING
5		84273749		6	BOLT
6		87751873		1	SCREW
7		10717624		1	NUT, Thin, M18 x 2.5, Cl 05
8		84262394		1	BALL BEARING
9		84270868		1	CIRCLIP
10		84264324		1	SEAL

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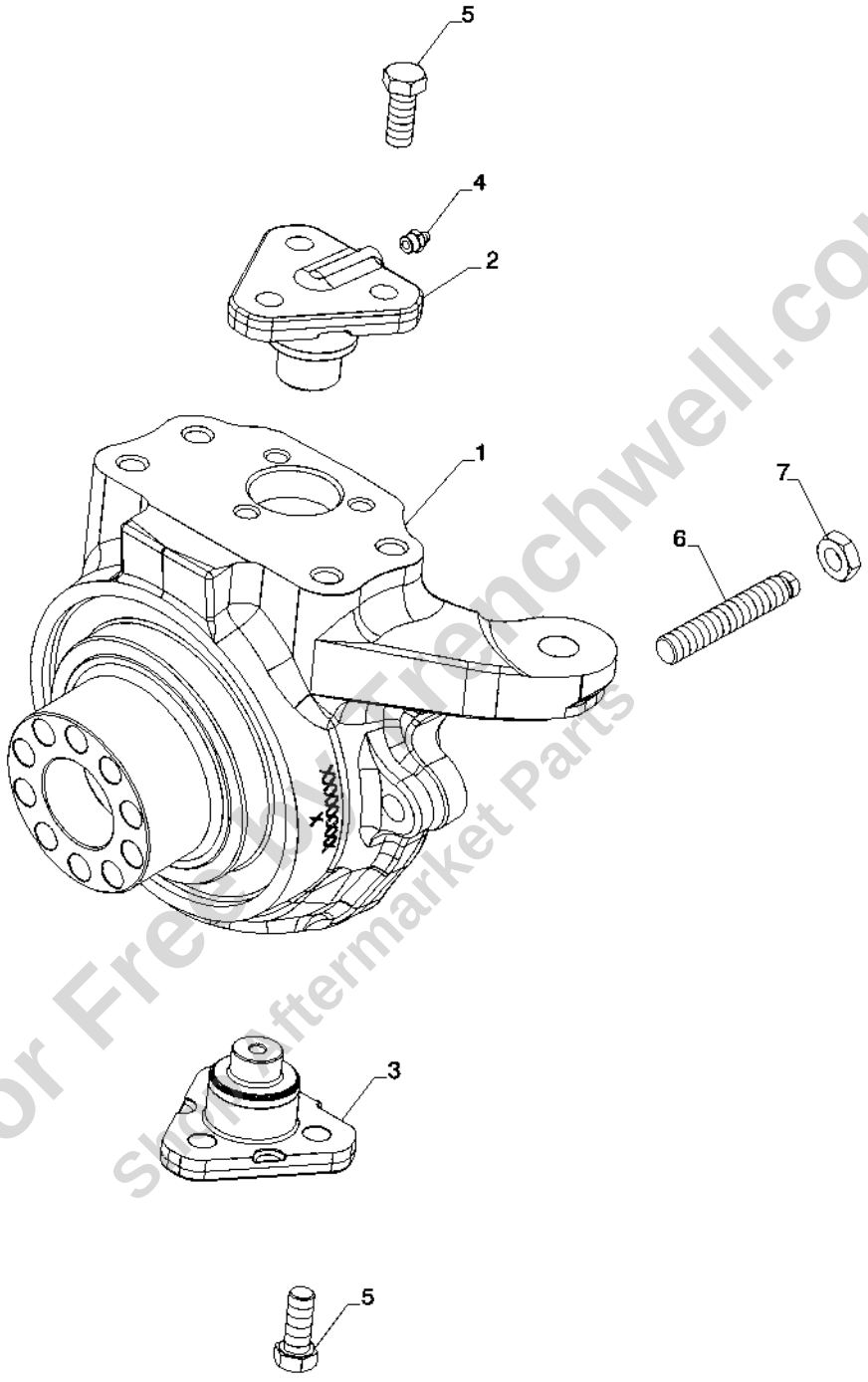
AXLE, FRONT DRIVE - HOUSING, SWIVEL HD ACP (580SN WT, 590SN)



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AXLE, FRONT DRIVE - HOUSING, SWIVEL HD ACP (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84259616		1	STEERING KNUCKLE, Left Hand
1		84259618		1	STEERING KNUCKLE, Right Hand (Not Shown)
2		84259754		1	PIN
3		84259753		1	PIN
4		84351730		1	FITTING
5		84273749		6	BOLT
6		87751873		1	SCREW
7		10717624		1	NUT, Thin, M18 x 2.5, Cl 05

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580SN WT
590SN

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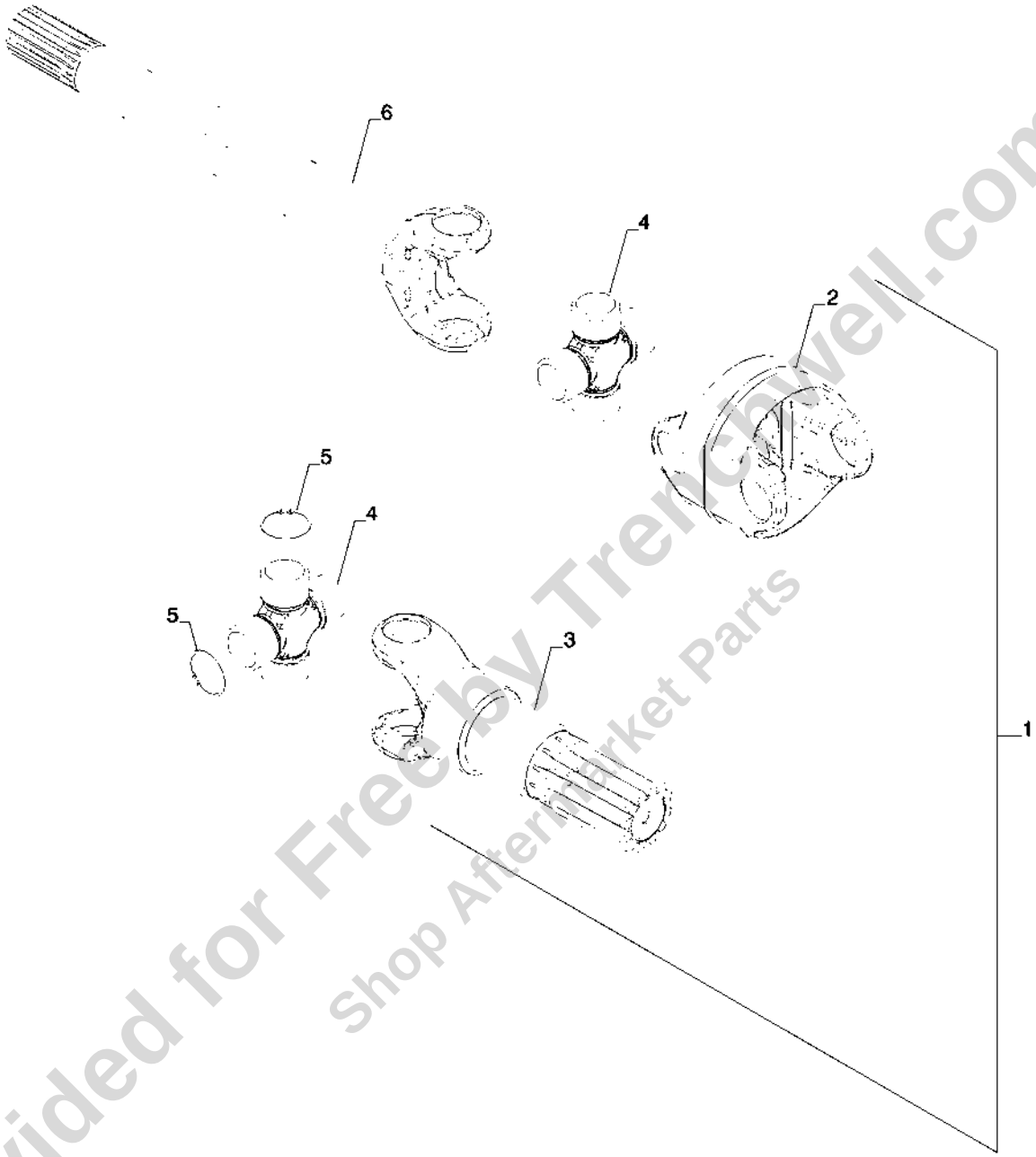
AXLE, FRONT DRIVE - SHAFTS, AXLE (580N, 580SN)



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AXLE, FRONT DRIVE - SHAFTS, AXLE (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84316950		2	ARTICULATED AXLE SHAFT, Inc 2-6
2		84258432		1	UNIVERSAL JOINT
3		84316951		1	SHORT SHAFT
4		84258434		2	U-JOINT SPIDER
5		274234		8	SNAP RING, M27, Int
6		84258430		1	HALF SHAFT

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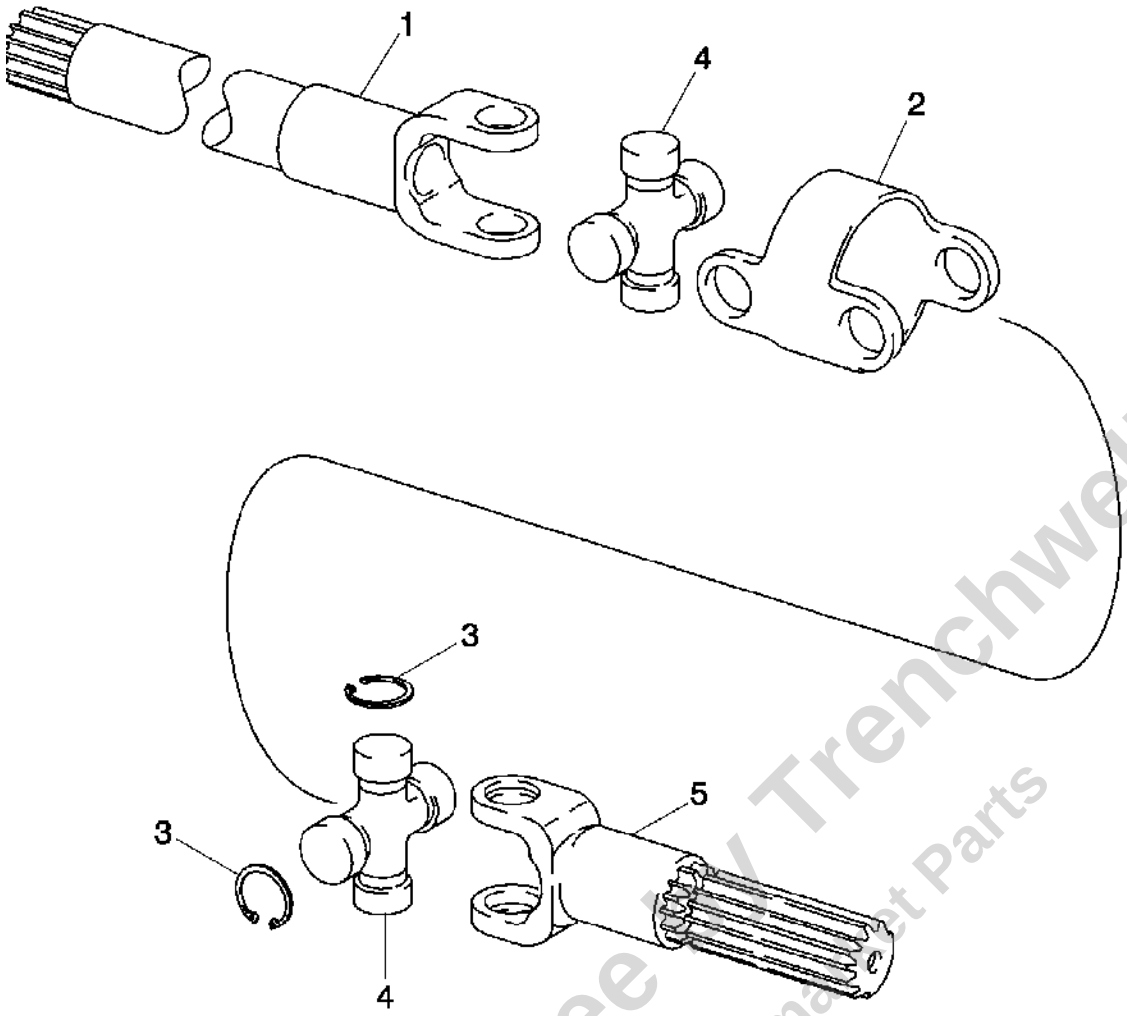
AXLE, FRONT DRIVE - SHAFTS, AXLE (580SN WT, 590SN)



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AXLE, FRONT DRIVE - SHAFTS, AXLE (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84258436		1	HALF SHAFT, 22 Tooth
2		84258437		1	YOKE, 12 Tooth
3		301644		8	CIRCLIP, M30, Int
4		84258439		2	U-JOINT SPIDER
5		84316955		1	HALF SHAFT
6		84316954		2	ARTICULATED AXLE SHAFT, Inc 1-5

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580SN WT
590SN

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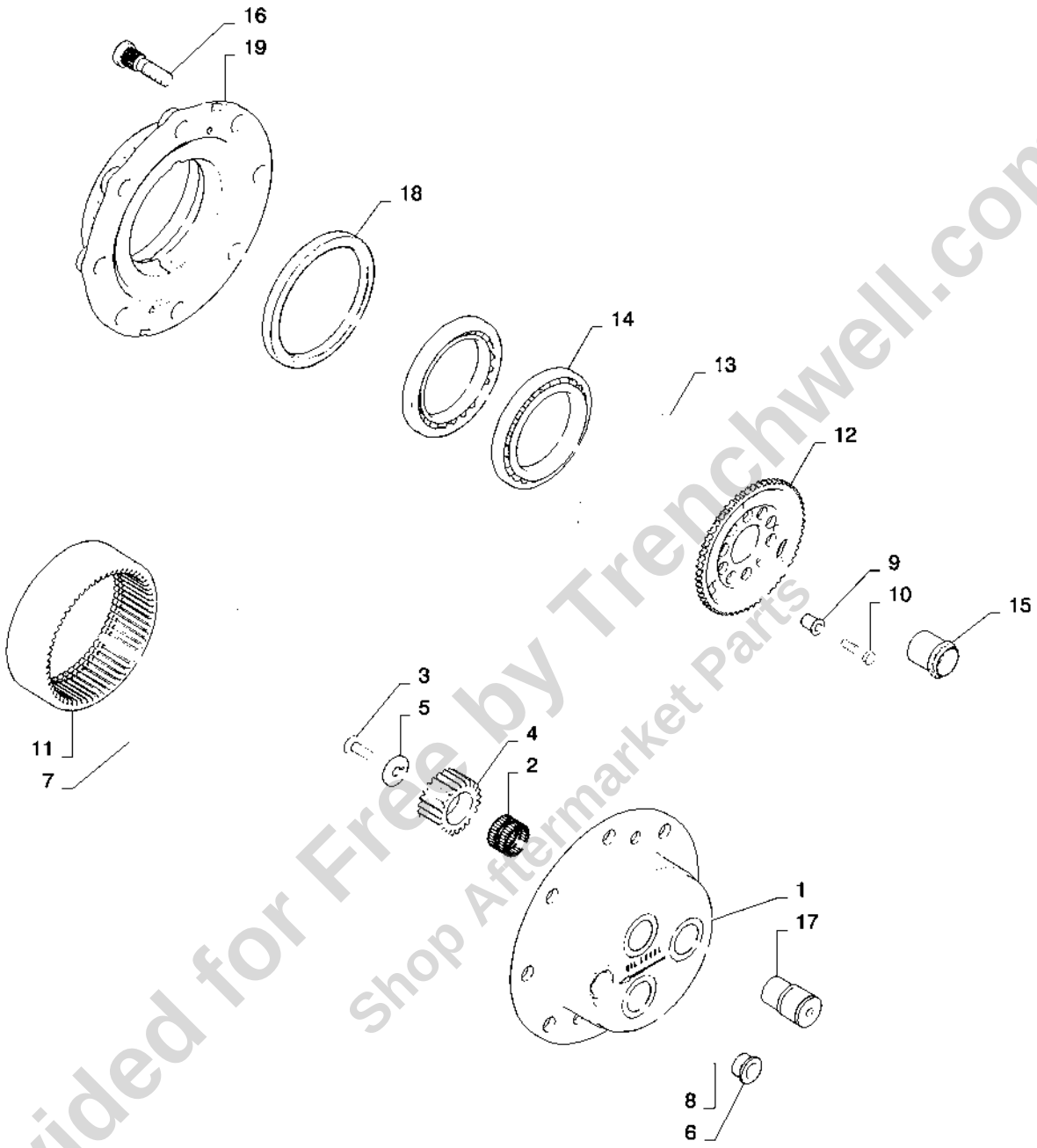
AXLE, FRONT DRIVE - PLANETARY (580N, 580SN)



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AXLE, FRONT DRIVE - PLANETARY (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84249602		1	PLANET CARRIER, Includes Ref. 17
2		84268600		186	NEEDLE ROLLER
3		84273745		3	SCREW
4		84183888		3	PLANETARY GEAR
5		84183884		3	THRUST WASHER
6		84272055		1	PLUG
7		14468780		1	O-RING, 8.734" ID x 9.012" OD x 0.139"
8		9626929		1	O-RING, 1.048" ID x 0.116" Width
9		84270060		10	SLEEVE
10		84404452		10	BOLT
11		87748927		1	RING GEAR
12		84270062		1	RING GEAR
13		5165162		1	LOCKING RING
14		5133737		2	ROLLER BEARING, 109.53mm x 158.75mm x 23.02mm
15		84316953		1	NUT
16		84264323		8	STUD
17		NSS		3	NOT SERVICED SEPARATELY, PIN, Planetary Drive
18		87349641		1	OIL SEAL, 150.00mm x 180.00mm x 15.50-16.00mm
19		84297562		1	HUB

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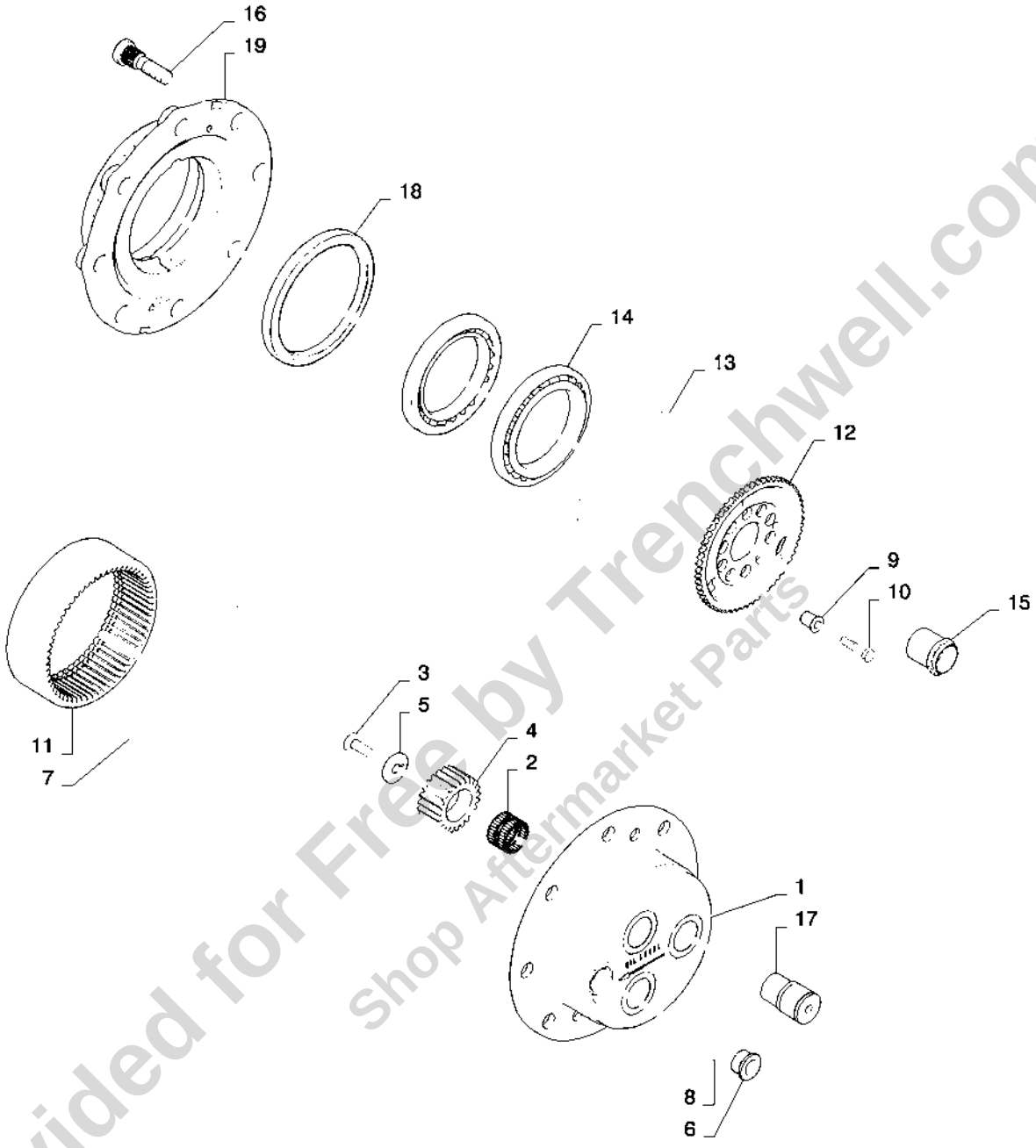
AXLE, FRONT DRIVE - PLANETARY HD ACP (580SN WT, 590SN)



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AXLE, FRONT DRIVE - PLANETARY HD ACP (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84249603		1	CARRIER, Includes Ref. 17
2		84380206		204	NEEDLE ROLLER
3		84273745		3	SCREW
4		84183899		3	PLANETARY GEAR
5		84271320		3	RETAINER
6		84272055		1	PLUG
7		14468780		1	O-RING, 8.734" ID x 9.012" OD x 0.139"
8		9626929		1	O-RING, 1.048" ID x 0.116" Width
9		84252637		8	SLEEVE
10		87015539		8	BOLT
11		87748929		1	RING GEAR
12		84259703		1	SUPPORT
13		5165162		1	LOCKING RING
14		5133737		2	ROLLER BEARING, 109.53mm x 158.75mm x 23.02mm
15		84316956		1	NUT
16		84264323		8	STUD
17		NSS		3	NOT SERVICED SEPARATELY, PIN, Planetary Drive
18		87349641		1	OIL SEAL, 150.00mm x 180.00mm x 15.50-16.00mm
19		84297567		1	HUB
		13028524		2	SCREW, Carrier Set Screw (Not Shown)

580SN WT
590SN

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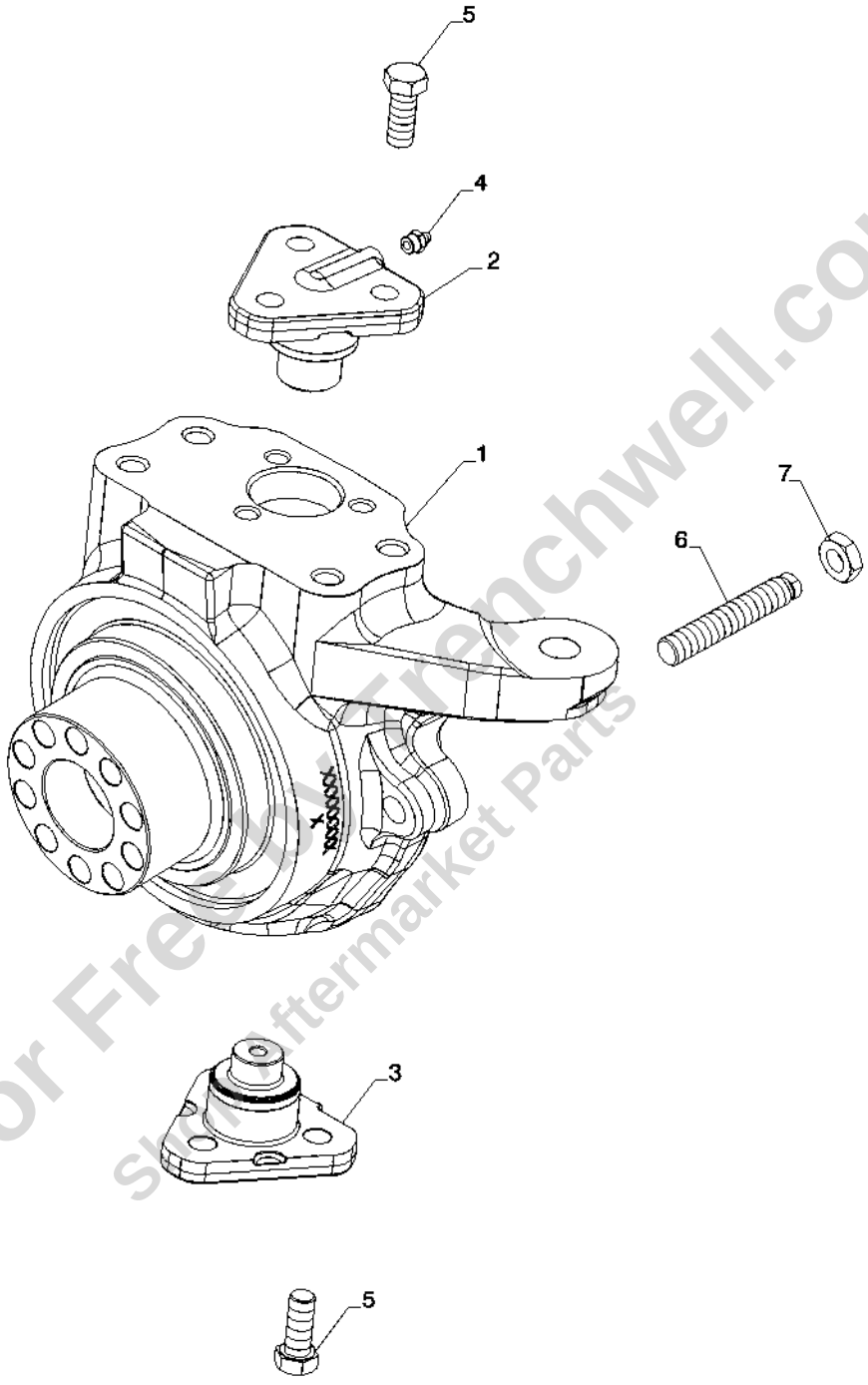
44.100.17	02	p1	03/11

AXLE, FRONT - HOUSING, SWIVEL (590SN)



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AXLE, FRONT - HOUSING, SWIVEL (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84259616		1	STEERING KNUCKLE, Left Hand
1		84259618		1	STEERING KNUCKLE, Right Hand (Not Shown)
2		84259754		2	PIN
3		84259753		2	PIN
4		84351730		1	FITTING
5		84273749		6	BOLT
6		87751873		1	SCREW
7		10717624		1	NUT, Thin, M18 x 2.5, Cl 05

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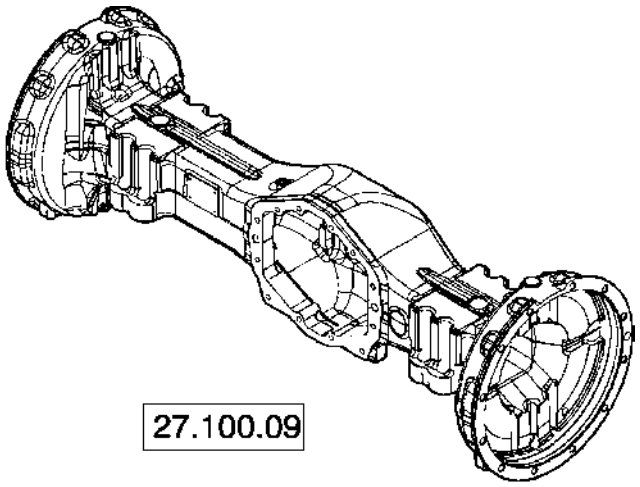
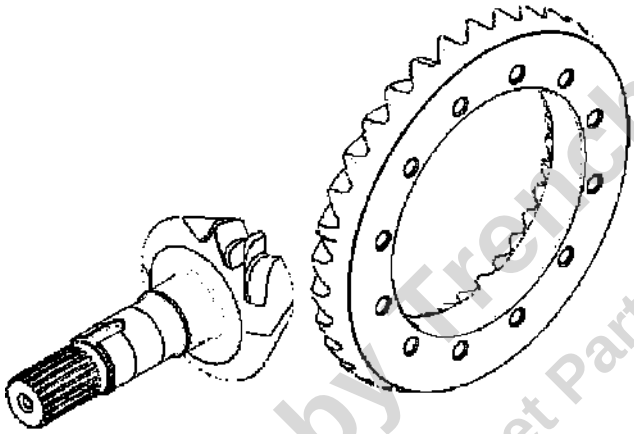
PICTORIAL INDEX - REAR DRIVE AXLE



27.100.09



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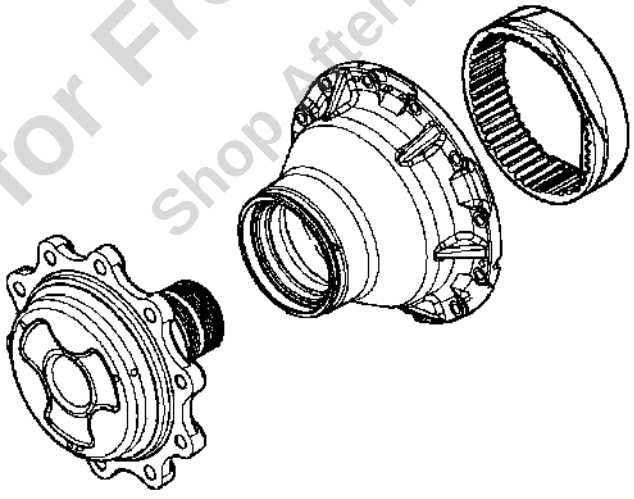

27.120.02(01)

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PICTORIAL INDEX - REAR DRIVE AXLE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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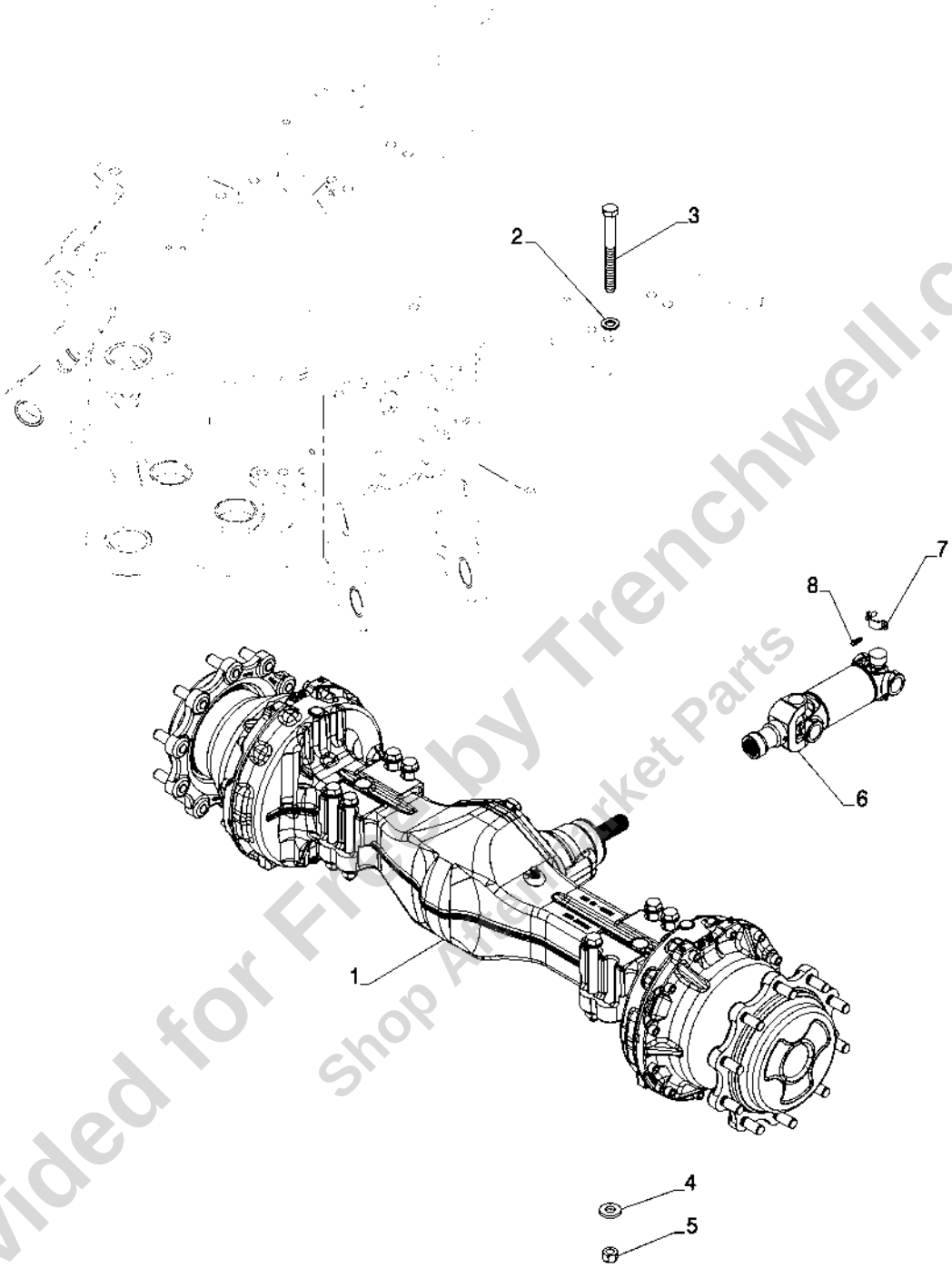
27.100.08	01	p1	03/11

AXLE, REAR DRIVE - MOUNTING (580N, 580SN)



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AXLE, REAR DRIVE - MOUNTING (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87395372		1	REAR AXLE
2		NS		8	NOT SERVICED
3		827-20200		8	BOLT, Hex, M20 x 200, 10.9
4		87618533		8	WASHER
5		829-1420		8	NUT, M20, Cl 10
6		87613924		1	DRIVE SHAFT
7		D137626		2	CLAMP
8		9637611		4	SCREW

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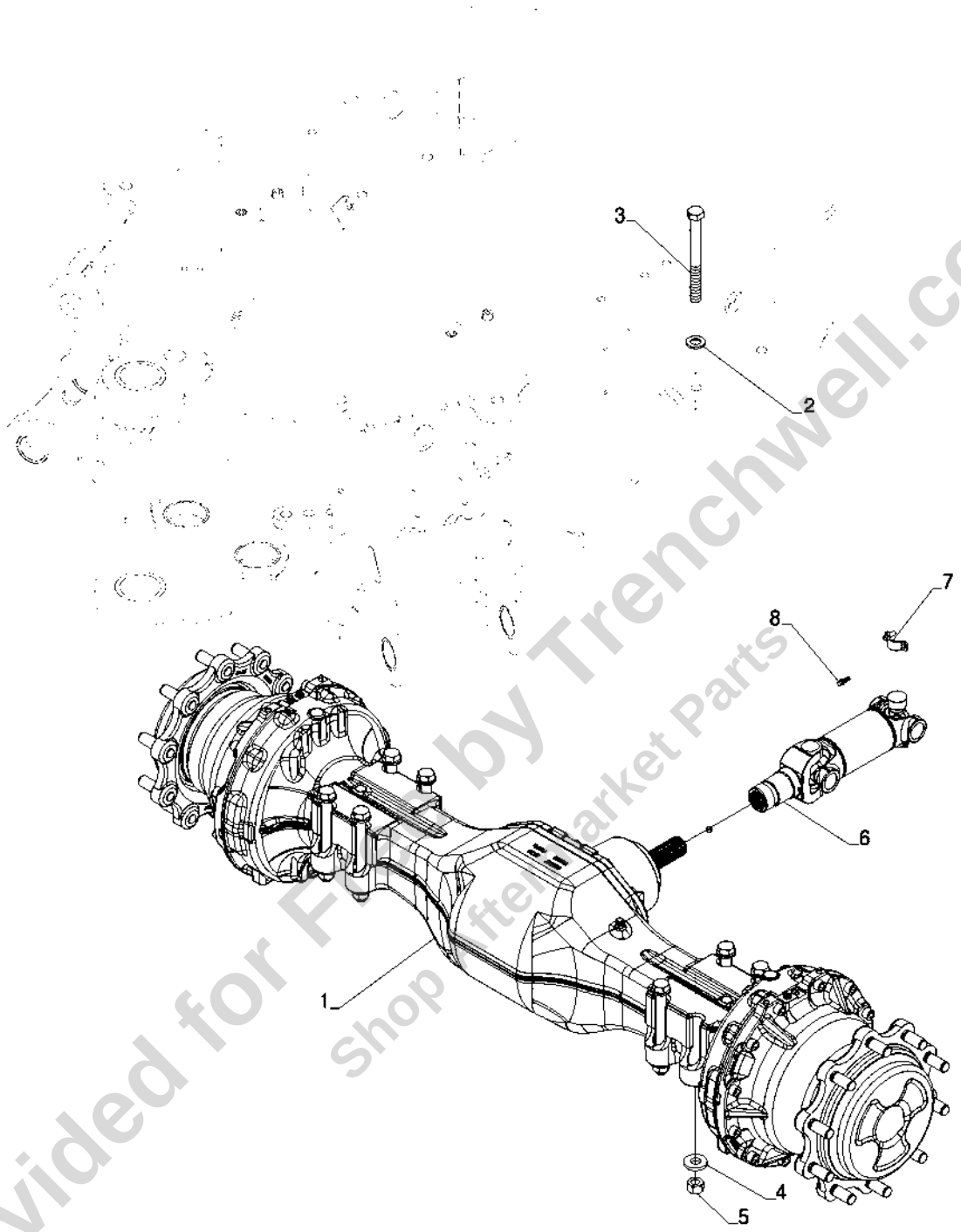
27.100.08	02	p1	03/11

AXLE, REAR DRIVE - MOUNTING (580SN WT, 590SN)



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AXLE, REAR DRIVE - MOUNTING (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87395386		1	REAR AXLE
2		NS		8	NOT SERVICED
3		827-20200		8	BOLT, Hex, M20 x 200, 10.9
4		87618533		8	WASHER
5		829-1420		8	NUT, M20, Cl 10
6		87693489		1	DRIVE SHAFT
7		D137626		2	CLAMP
8		9637611		4	SCREW

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580SN WT
590SN

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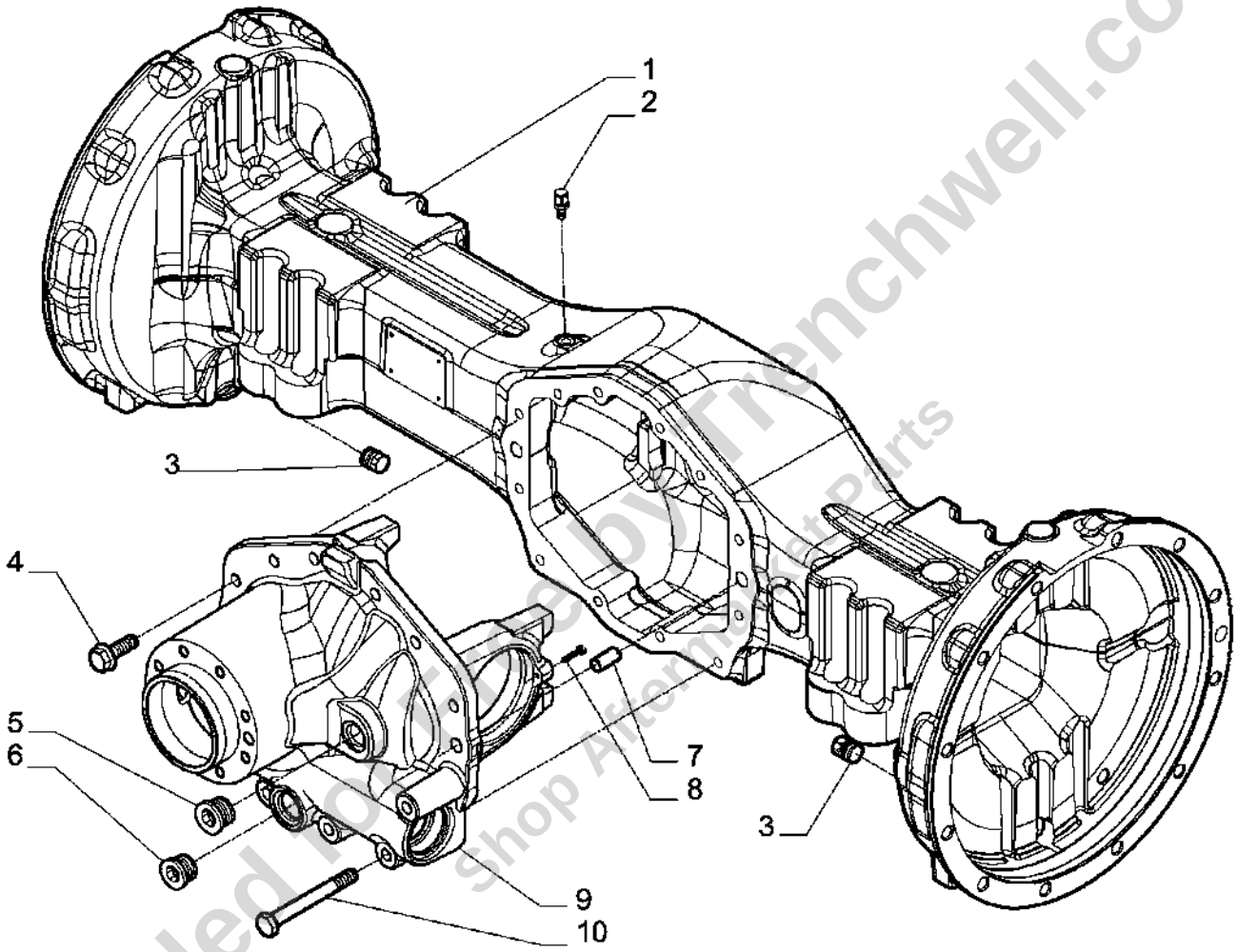
27.100.09		p1	08/10

AXLE, REAR DRIVE - HOUSING (580N, 580SN)



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AXLE, REAR DRIVE - HOUSING (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395372		1	REAR AXLE, Inc 1 - 10
1		87708390		1	AXLE HOUSING
2		1966149C1		1	BREATHER, M10 x 1
3		A156873		2	PLUG, DRAIN, M22 x 1.5
4		S301064		8	SCREW, M12 x 1.75
5		434746A1		1	PLUG, M24 x 1.5
6		100557A1		1	PLUG, DRAIN, M30 x 2
7		1966138C1		2	DOWEL
8		864-6025		2	SCREW, Hex Soc Hd, M6 x 25, 8.8
9		87708391		1	SUPPORT, Differential
10		87708392		4	SCREW, M12 x 100

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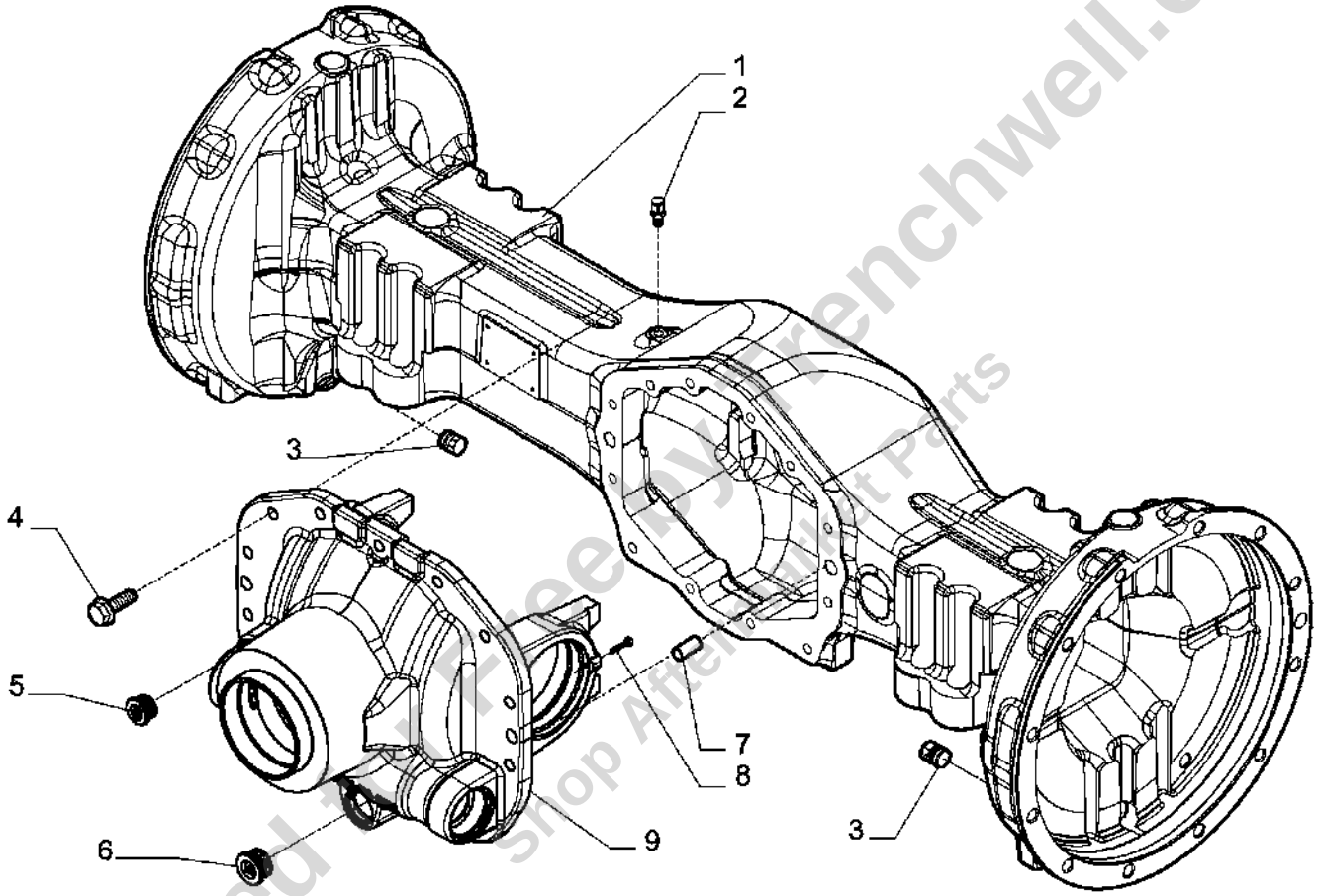
27.100.10		p1	08/10

AXLE, REAR DRIVE - HOUSING (580SN WT, 590SN)



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AXLE, REAR DRIVE - HOUSING (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395386		1	REAR AXLE, 580SN WT, 590SN Models; Inc 1 - 9
1		87708487		1	AXLE HOUSING
2		1966149C1		1	BREATHER, M10 x 1
3		A156873		2	PLUG, DRAIN, M22 x 1.5
4		S301064		14	SCREW, M12 x 1.75
5		434746A1		1	PLUG, M24 x 1.5
6		100557A1		1	PLUG, DRAIN, M30 x 2
7		1966138C1		2	DOWEL
8		864-6025		2	SCREW, Hex Soc Hd, M6 x 25, 8.8
9		87708489		1	SUPPORT, Differential

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580SN WT
590SN

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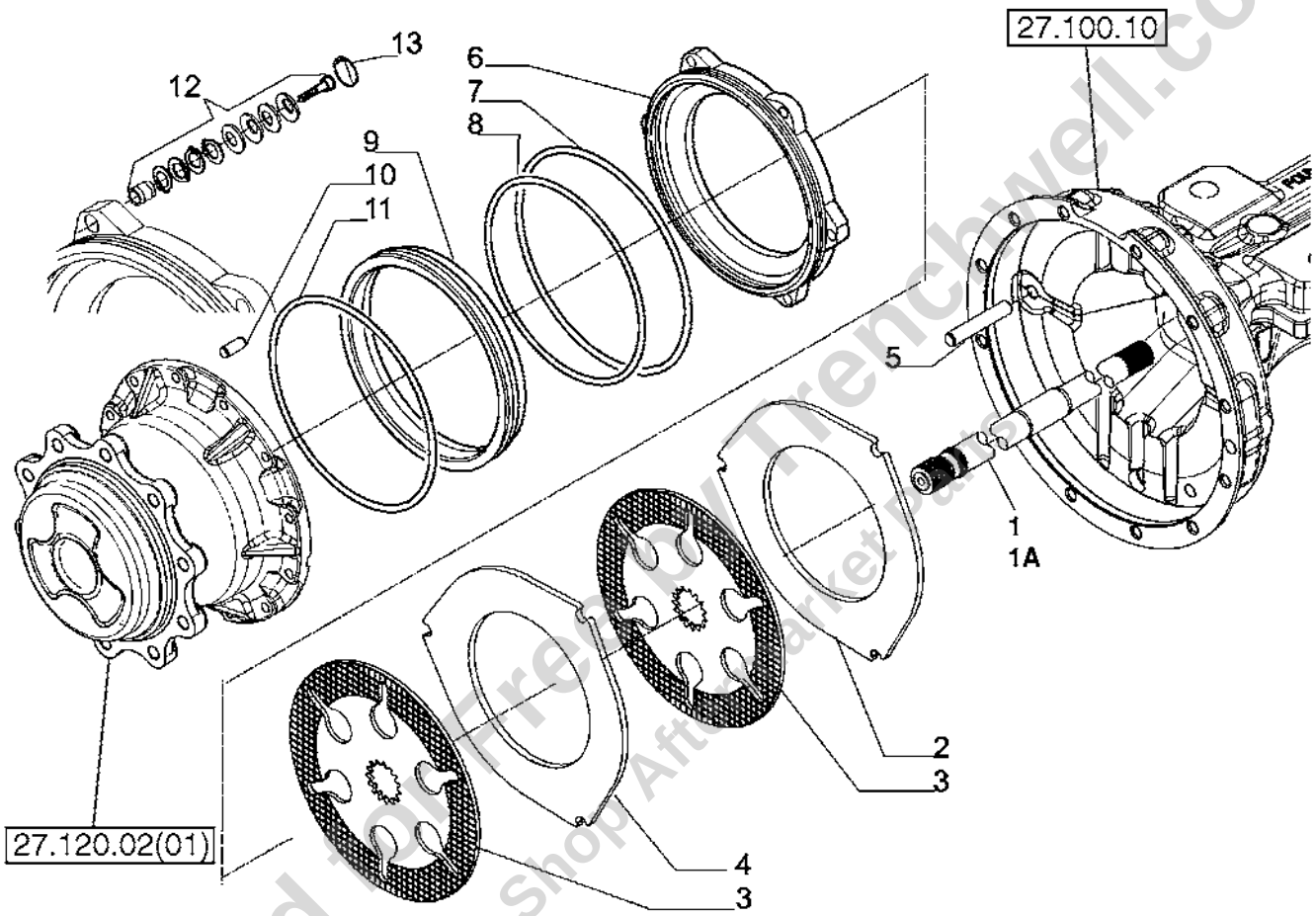
27.100.11		p1	08/10

AXLE, REAR DRIVE - BRAKE, DIFFERENTIAL



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AXLE, REAR DRIVE - BRAKE, DIFFERENTIAL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395372		1	REAR AXLE, 580N, 580SN Models; Inc 1 - 13
		87395386		1	REAR AXLE, 580SN WT, 590SN Models; Inc 1 - 13
1		87708431		1	SHAFT, LH Half; 87395372 Axle, 580N, 580SN Models Only
1		87708432		1	SHAFT, RH Half; 87395372 Axle, 580N, 580SN Models Only
1A		87708966		2	SHAFT, 87395386 Axle, 580SN WT, 590SN Models Only
2		87708433		2	BRAKE PLATE, Separation, 5 thk
3		87708434		4	BRAKE PLATE
4		87708435		2	BRAKE PLATE, Separation, 8 thk
5		139294A1		6	GUIDE
6		87708436		2	BRAKE CYLINDER, Piston
7		87708438		2	O-RING
8		371144A1		2	O-RING, Piston, External
9		87708440		2	PISTON, Brake
10		D142890		2	DOWEL
11		371145A1		2	O-RING, Piston Carrier
12		87708441		6	BRAKE ADJUSTER, Kit, Rear Axle Self Adjust; 0.6 mm
13		87708442		6	LOCKING RING

580N 580SN WT
590SN 580SN

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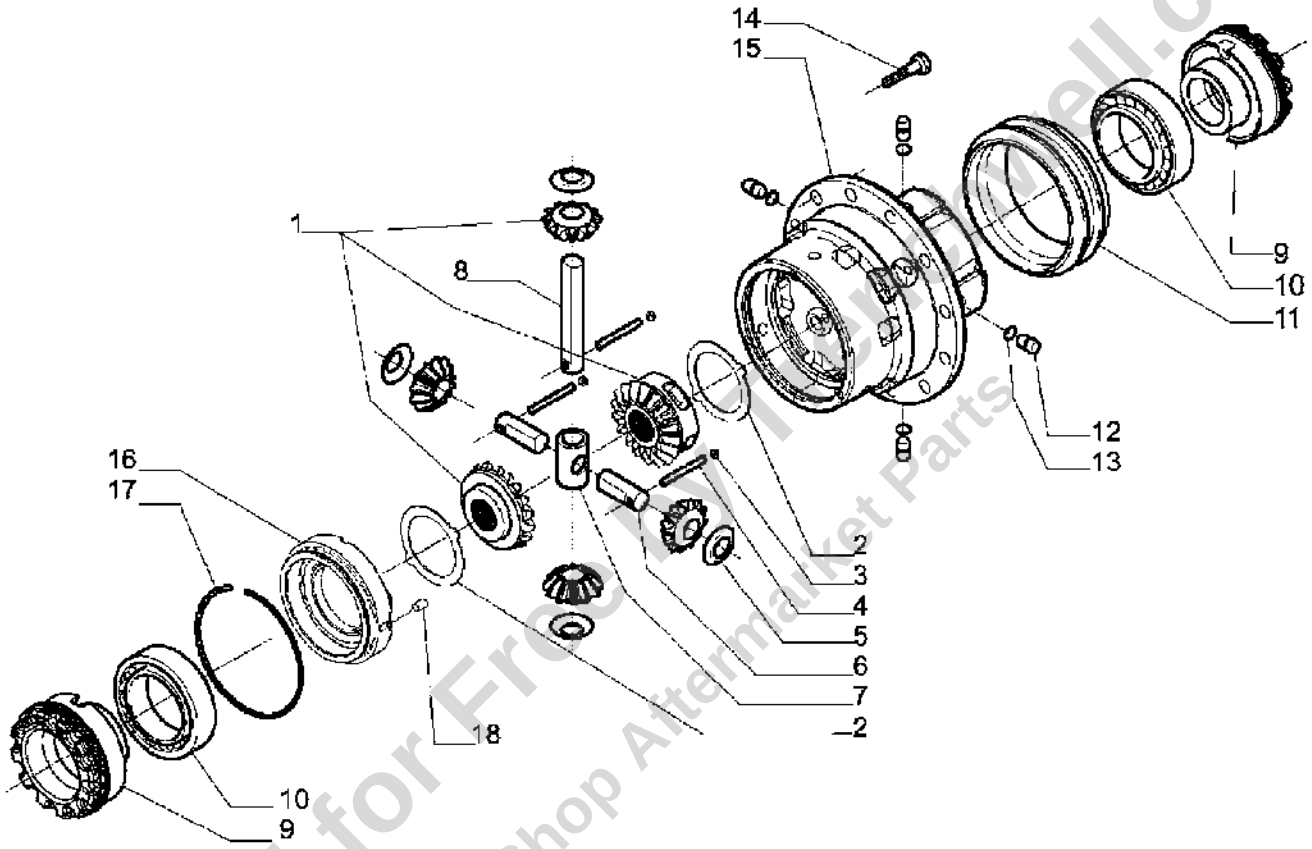
27.106.01	01	p1	08/10

AXLE, REAR DRIVE - DIFFERENTIAL (580N, 580SN)



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AXLE, REAR DRIVE - DIFFERENTIAL (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395372		1	REAR AXLE, 580N, 580SN Models, Inc 1 - 18
1		87708394		1	SERVICE KIT
2		87708395		2	DRIVE PLATE, Differential
3		D142898		3	PLUG, M10 x 1
4		87708396		2	PIN, 9 x 45
5		E135777		4	WASHER, Thrust
6		87708397		2	AXLE PIN, Differential
7		87708398		1	SPIDER, Gear
8		87708399		1	AXLE PIN, Differential
9		87708400		2	RING NUT, M104 x 1.5
10		E135785		2	BEARING
11		87708401		1	SLEEVE
12		292207A1		4	PIN
13		292208A1		4	O-RING
14		87708402		12	BOLT, M12 x 25
15		87708403		1	HOUSING, Differential
16		87708408		1	COVER, Differential Housing
17		87708409		1	LOCKING RING, Differential
18		87708411		1	PIN, 8 x 12

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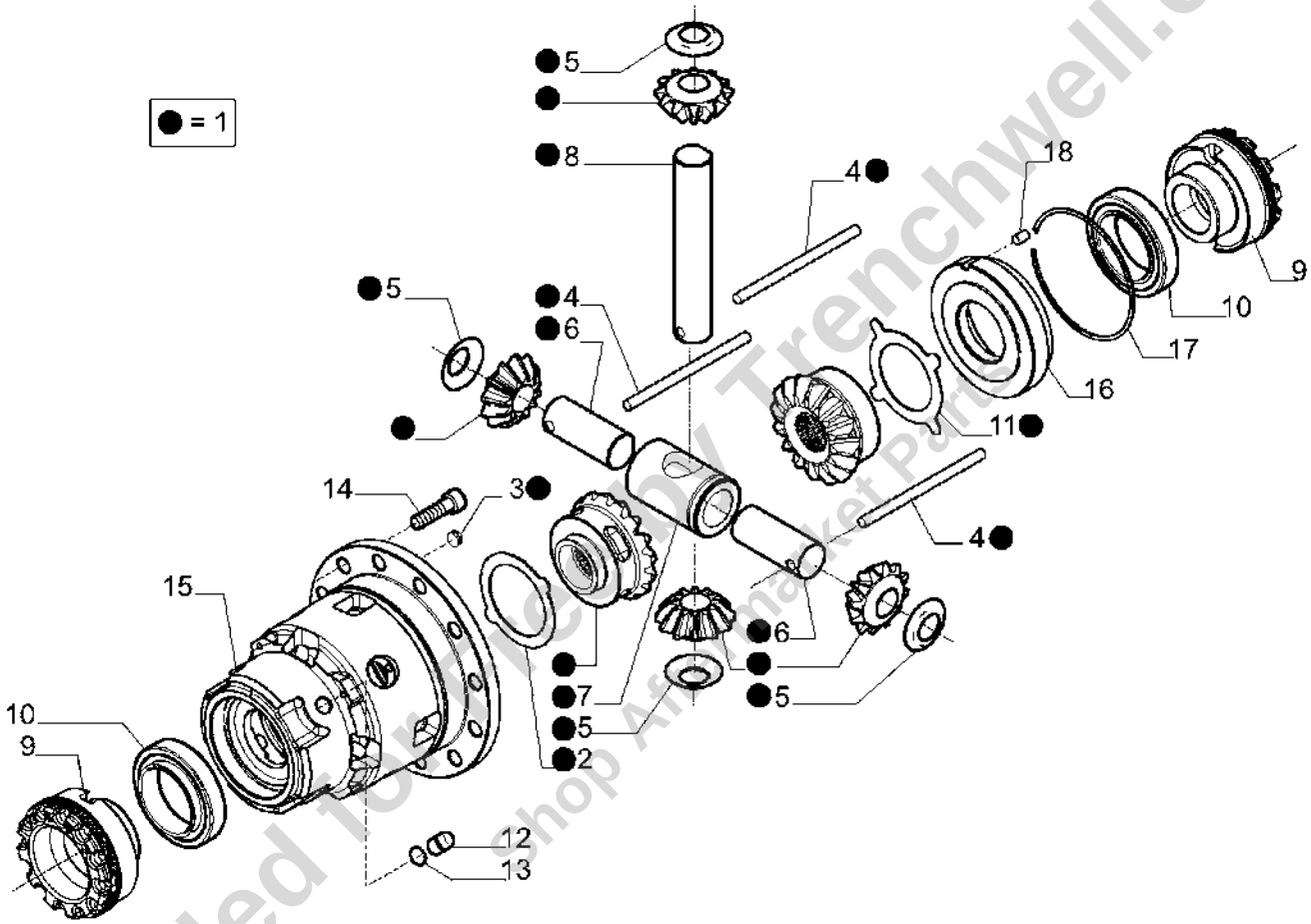
27.106.01	02	p1	08/10

AXLE, REAR DRIVE - DIFFERENTIAL (580SN WT, 590SN)



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AXLE, REAR DRIVE - DIFFERENTIAL (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395386		1	REAR AXLE, 580SN WT, 590SN Models, Inc 1 - 18
1		87708520		1	DIFFERENTIAL, Kit
2		87708395		1	DRIVE PLATE, Differential
3		D142898		3	PLUG, M10 x 1
4		87708521		3	PIN, 7 x 124
5		87708522		4	THRUST WASHER
6		87708523		2	PIN, Differential, Short
7		87708524		1	SPIDER
8		87708525		1	PIN, Differential, Long
9		87708400		2	RING NUT, M104 x 1.5
10		E135785		2	BEARING
11		87708526		1	DRIVE PLATE, Differential
12		292207A1		4	PIN
13		292208A1		4	O-RING
14		87708527		12	BOLT, M14 x 30
15		87708528		1	HOUSING, Differential
16		87708532		1	COVER, Differential Housing
17		87708533		1	LOCKING RING
18		87708411		1	PIN, 8 x 12

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580SN WT
590SN

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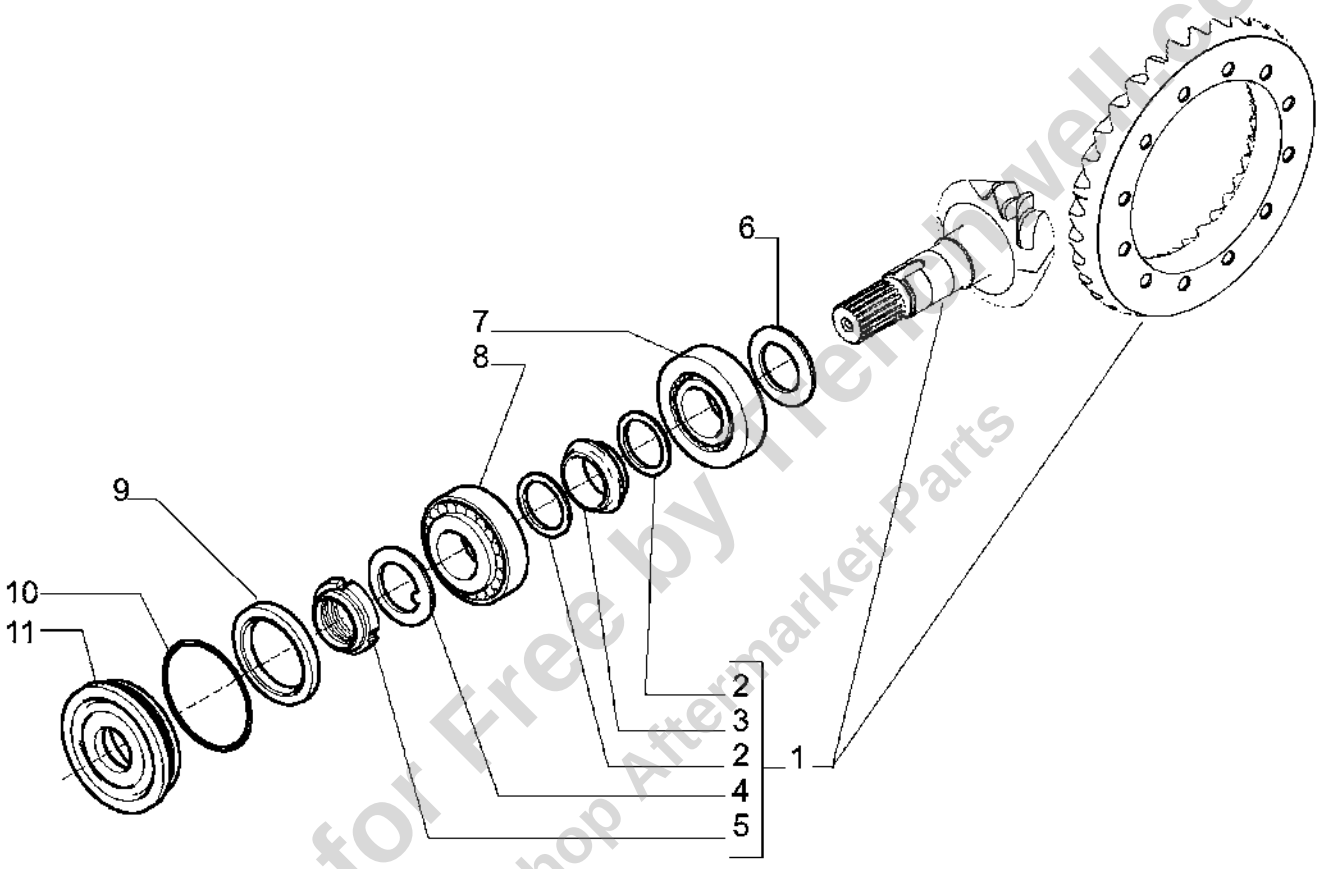
27.106.02	01	p1	07/11

AXLE, REAR DRIVE - RING AND PINION (580N, 580SN)



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AXLE, REAR DRIVE - RING AND PINION (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395372		1	REAR AXLE, 580N, 580SN; Inc 1 - 11
1		87708393		1	GEAR SET, Bevel, 14/35
2		1349059C1		2	WASHER, Elastic
3		175957A1		1	SPACER
4		N7536		1	WASHER, Lock
5		K261014		2	NUT, Ring; M40 x 105
6		190506A1		AR	SHIM, 2.5mm Thk, (0.098")
6		190508A1		AR	SHIM, 2.6mm Thk, (0.102")
6		190509A1		AR	SHIM, 2.7mm Thk, (0.106")
6		190510A1		AR	SHIM, 2.8mm Thk, (0.110")
6		190511A1		AR	SHIM, 2.9mm Thk, (0.114")
6		190512A1		AR	SHIM, 3.0mm Thk, (0.118")
6		190513A1		AR	SHIM, 3.1mm Thk, (0.122")
6		190514A1		AR	SHIM, 3.2mm Thk, (0.125")
6		190515A1		AR	SHIM, 3.3mm Thk, (0.129")
6		190516A1		AR	SHIM, 3.4mm Thk, (0.133")
7		P1139855X		1	BALL BEARING, Tapered
8		K395090		1	BEARING ASSY
9		K262143		1	SEAL, Ring
10		445720A1		1	O-RING
11		128570A1		1	FLANGE, Seal

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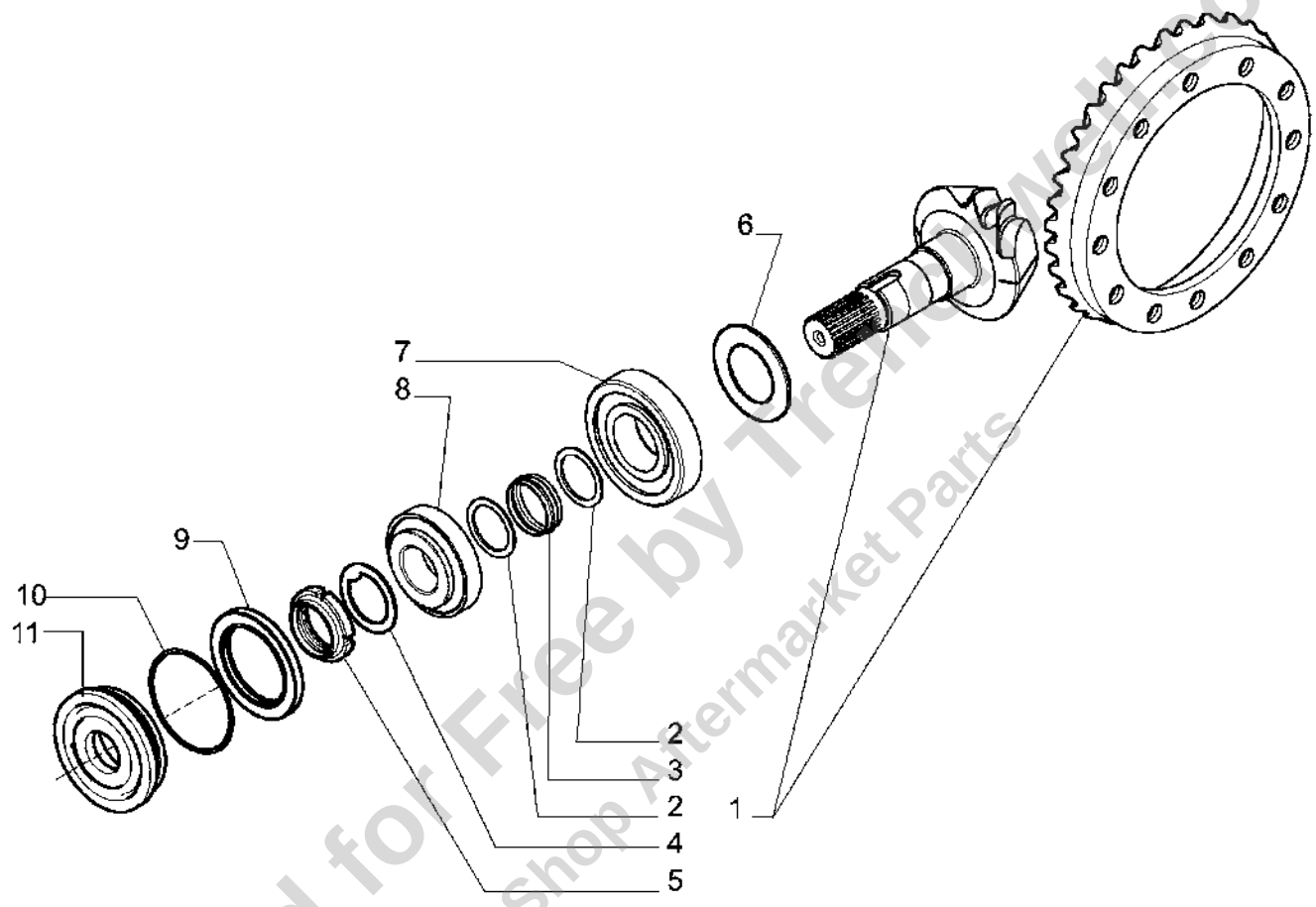
27.106.02	02	p1	10/10

AXLE, REAR DRIVE - RING AND PINION (580SN WT, 590SN)



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AXLE, REAR DRIVE - RING AND PINION (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395386		1	REAR AXLE, 580SN WT, 590SN Models, Inc 1 - 11
1		87708509		1	GEAR SET, Bevel, 14/35
2		P2745478Q		2	WASHER
3		87711036		1	SPACER, Elastic, Bevel Gear Set
4		E135827		1	WASHER, Lock
5		E135765		1	LOCKING RING, M45 x 1.5
6		87708508		AR	SHIM, 2,6 mm (0,102 in)
6		87708510		AR	SHIM, 2,7 mm (0,106 in)
6		87708511		AR	SHIM, 2,8 mm (0,110 in)
6		87708512		AR	SHIM, 2,9 mm (0,114 in)
6		87708513		AR	SHIM, 3,0 mm (0,118 in)
6		87708514		AR	SHIM, 3,1 mm (0,122 in)
6		87708515		AR	SHIM, 3,2 mm (0,125 in)
6		87708516		AR	SHIM, 3,3 mm (0,129 in)
6		87708517		AR	SHIM, 3,4 mm (0,133 in)
7		371140A1		1	BEARING, Pinion, External
8		E135762		1	BEARING
9		87708518		1	SEALRING, Bevel Gear Set
10		87708519		1	COVER, Rear Axle
11		238-5154		1	O-RING, -154, 70 Duro, 3.737" ID x .103" Thk

580SN WT
590SN

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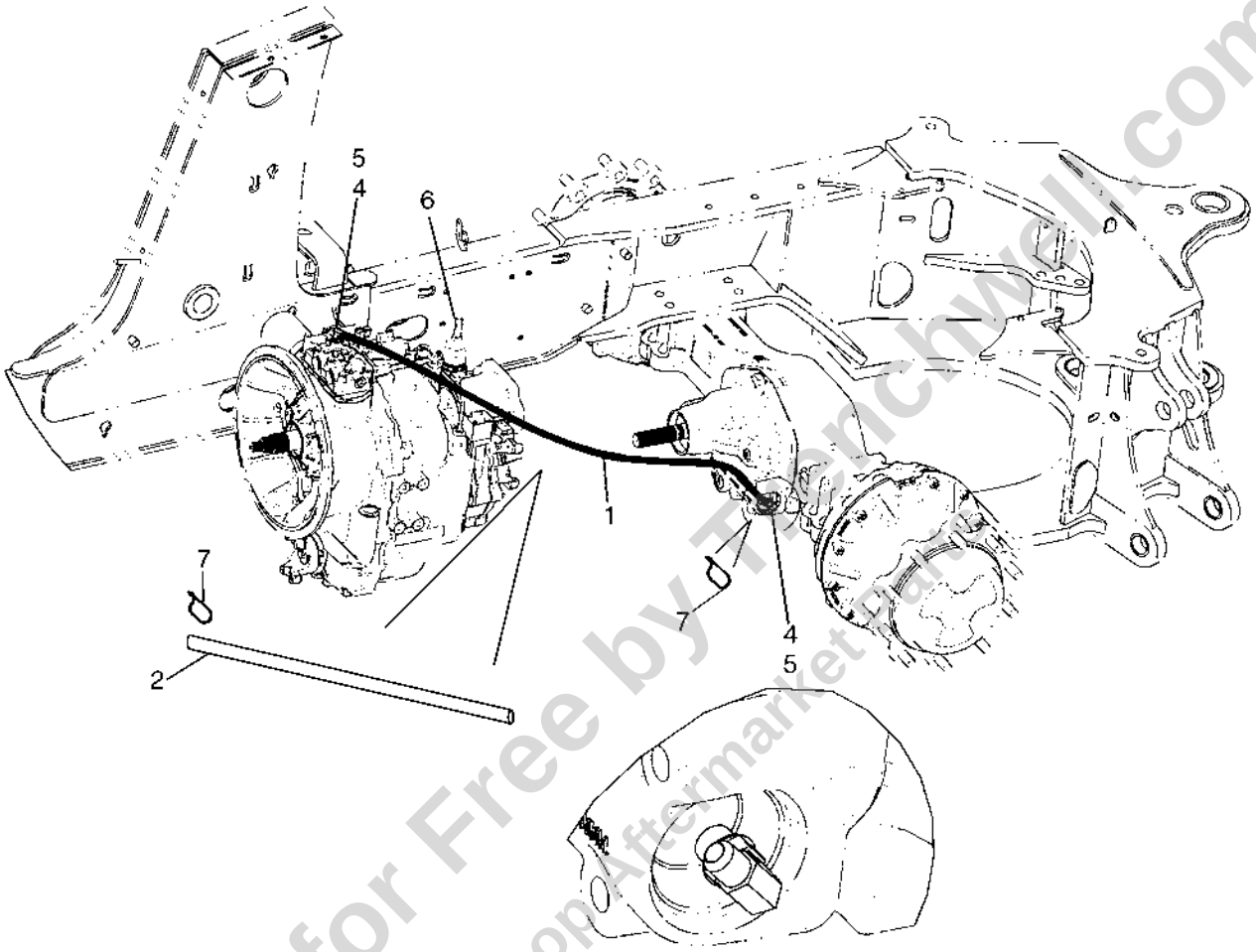
AXLE, REAR DRIVE - DIFFERENTIAL LOCK



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AXLE, REAR DRIVE - DIFFERENTIAL LOCK

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87431701		1	HYDRAULIC HOSE, 1350 mm (53-1/8 in)
2		191704A1		1	HOSE PROTECTION
4		218-5105		1	ELBOW, 90º, 9/16"-18, 37º x 9/16"-18, O-Ring, Incl. Ref 5
5		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07"
6		E135809		1	PLUG, If Used
7		L18337		2	CABLE STRAP, 9.95"-12.1" lg

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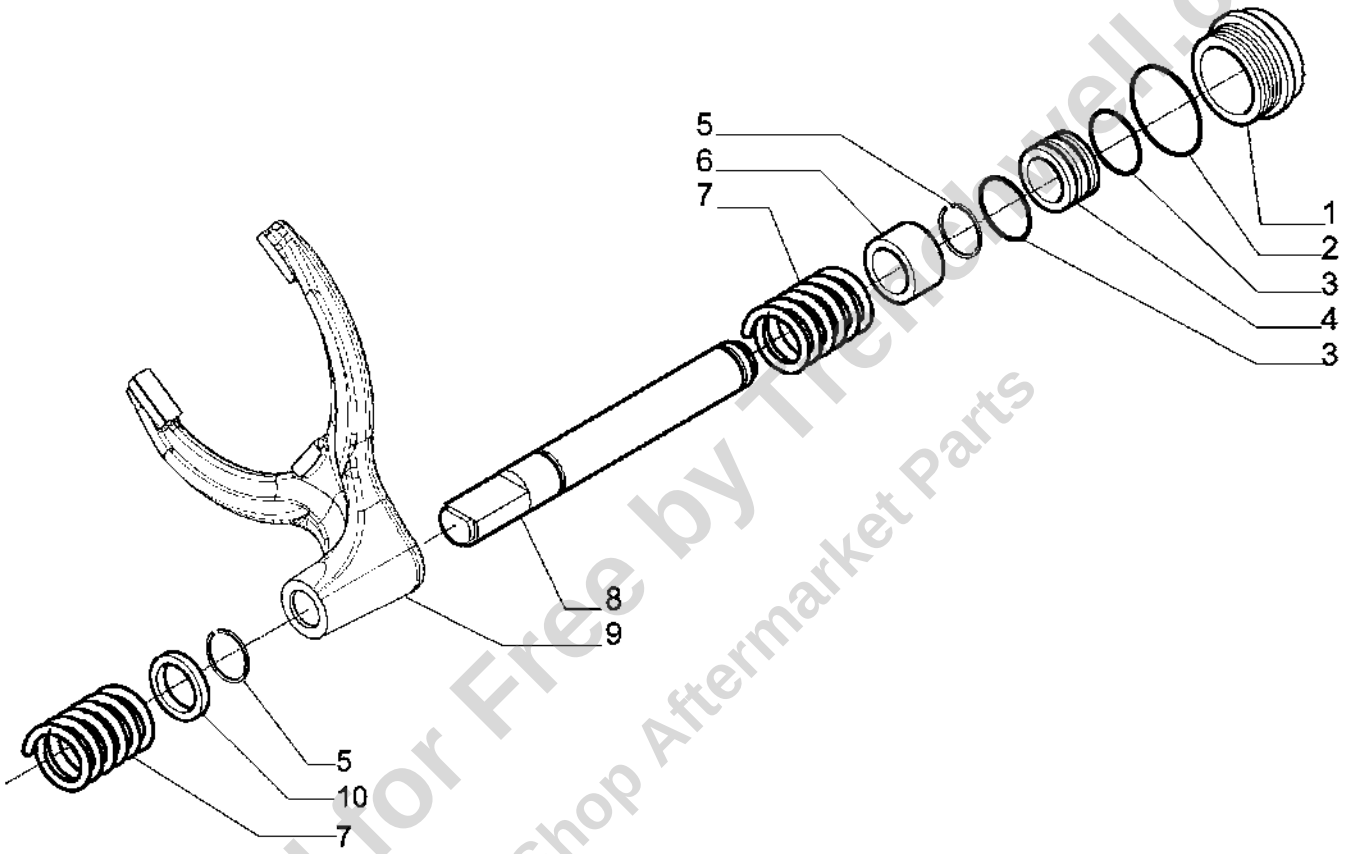
27.110.02	02	p1	08/10

AXLE, REAR DRIVE - DIFFERENTIAL LOCK (580N, 580SN)



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AXLE, REAR DRIVE - DIFFERENTIAL LOCK (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395372		1	REAR AXLE, 580N, 580SN Models, Inc 1 - 10
1		87708413		1	CYLINDER, Differential Lock
2		87708415		1	O-RING
3		292210A1		2	SEAL
4		292212A1		1	PISTON
5		87708417		2	LOCKING RING, Pin
6		87708420		1	BUSHING
7		175966A1		2	SPRING
8		87708422		1	PISTON, Control, Differential Locking
9		87708424		1	FORK
10		87708427		1	SPACER

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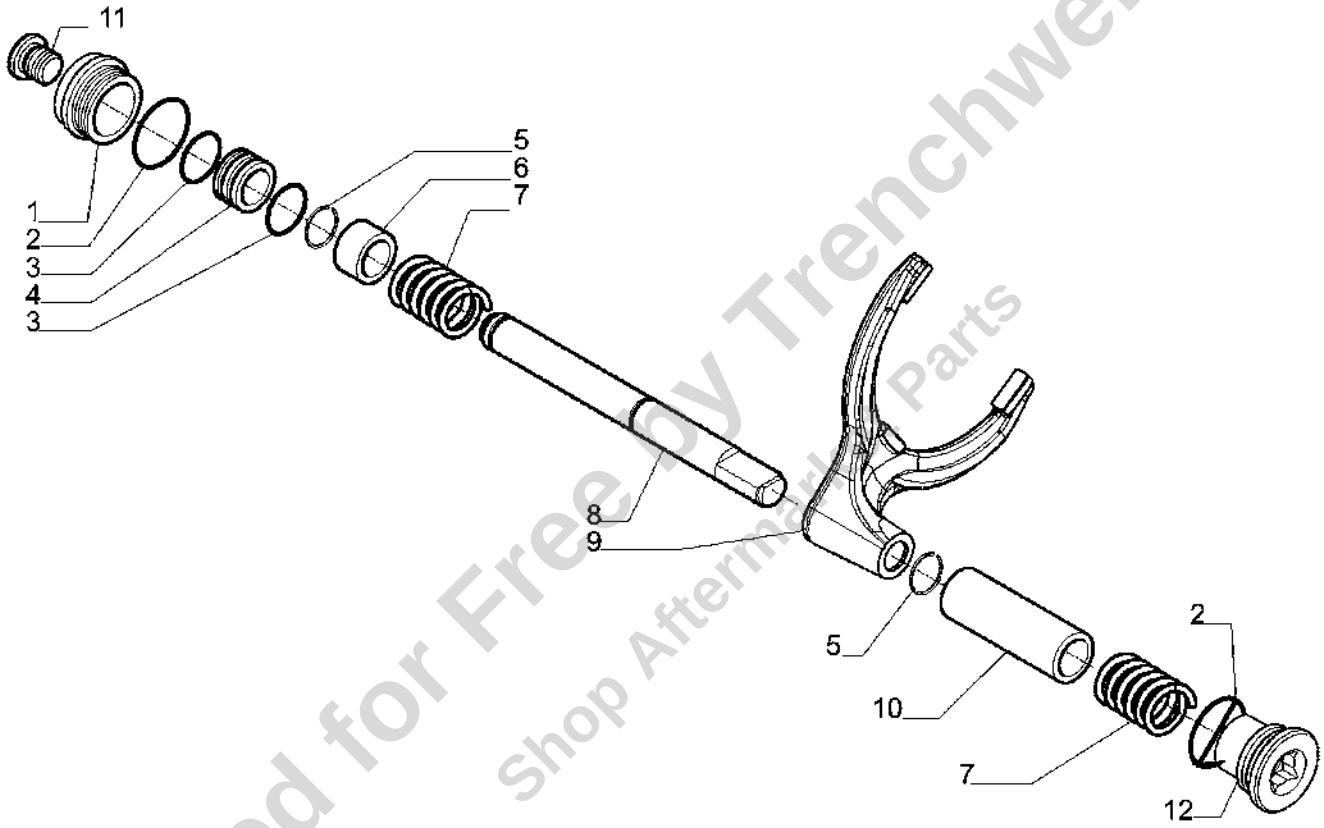
27.110.02	03	p1	08/10

AXLE, REAR DRIVE - DIFFERENTIAL LOCK (580SN WT, 590SN)



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AXLE, REAR DRIVE - DIFFERENTIAL LOCK (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395386		1	REAR AXLE, 580SN WT, 590SN Models, Inc 1 - 12
1		87708413		1	CYLINDER, Differential Locking
2		87708415		2	O-RING
3		238-8217		2	O-RING, -217, Cl 8, 1.171" ID x .139" Thk
4		292212A1		1	PISTON, Differential Lock
5		87708417		2	LOCKING RING
6		87708420		1	BUSHING
7		175966A1		2	SPRING
8		87708963		1	SHAFT LOCK, Rear Axle Differential
9		87708424		1	FORK
10		87708964		1	BUSHING
11		9625178		1	PLUG, Hex Soc, 9/16"-18 ORB
12		87708965		1	PLUG

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580SN WT
590SN

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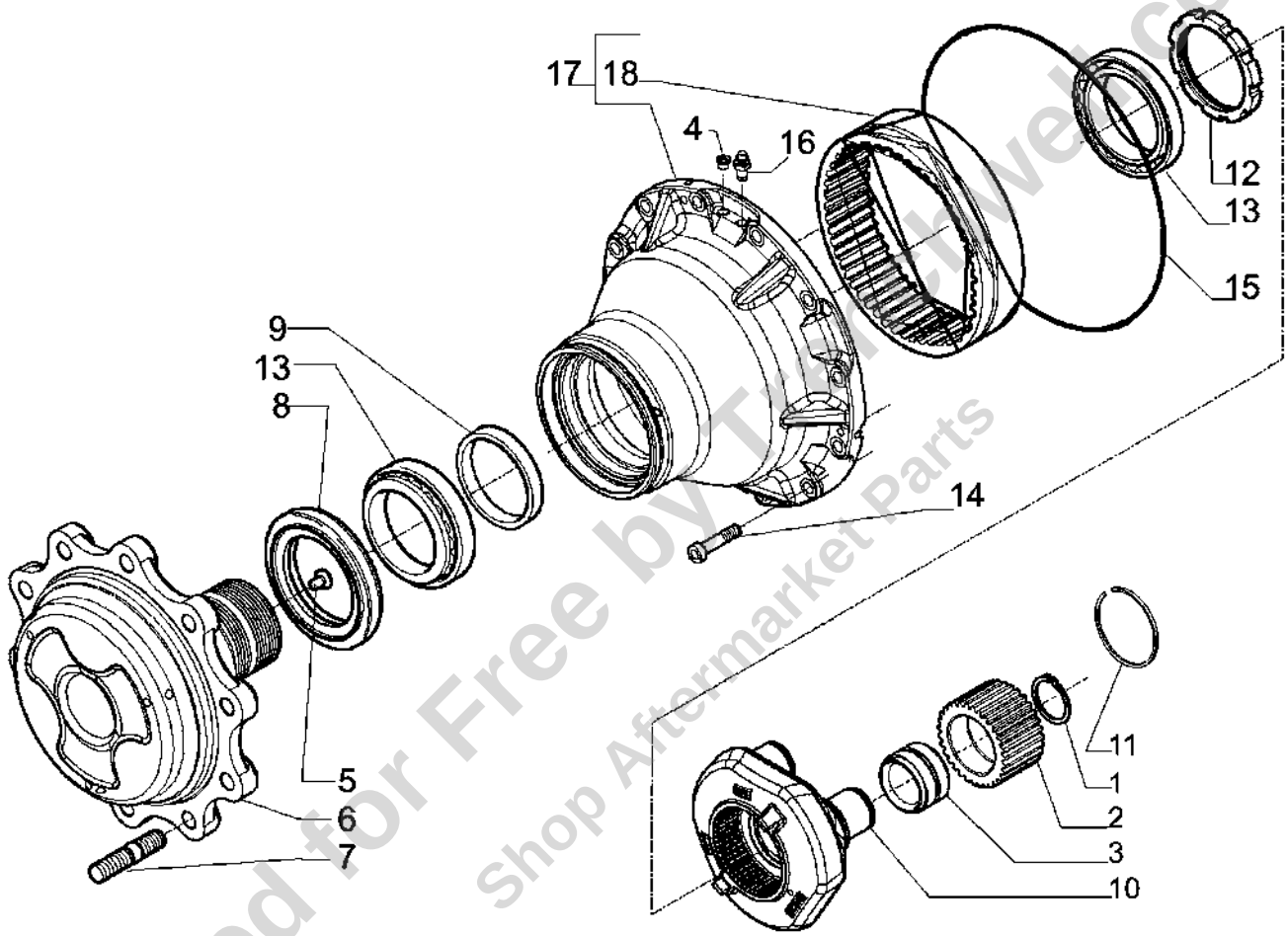
27.120.02	01	p1	08/10

AXLE, REAR DRIVE - PLANETARY (580N, 580SN)



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AXLE, REAR DRIVE - PLANETARY (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395372		1	REAR AXLE, 580N, 580SN Models, Inc 1 - 18
1		800-1150		6	SNAP RING, M50, Ext
2		87708443		6	GEAR, Wheel Hub
3		87708444		6	TAPERED ROLLER BEARING
4		9625178		2	PLUG, Hex Soc, 9/16"-18 ORB
5		K395093		2	HEADED PIN
6		87708445		2	FLANGE, Wheel
7		D142986		20	STUD
8		452140A1		2	SEALRING
9		87708447		2	SPACER
10		87708452		2	PLANET CARRIER
11		87708453		2	SNAP RING
12		87708454		2	RING NUT, M108 x 2
13		K395101		4	TAPERED ROLLER BEARING
14		403955A1		24	BOLT, M14 x 45
15		87711038		2	RING, Wheel Hub
16		E135810		2	VENTING SCREW
17		87708466		2	GEAR SET, Hub Ring
18		87708467		2	RING GEAR

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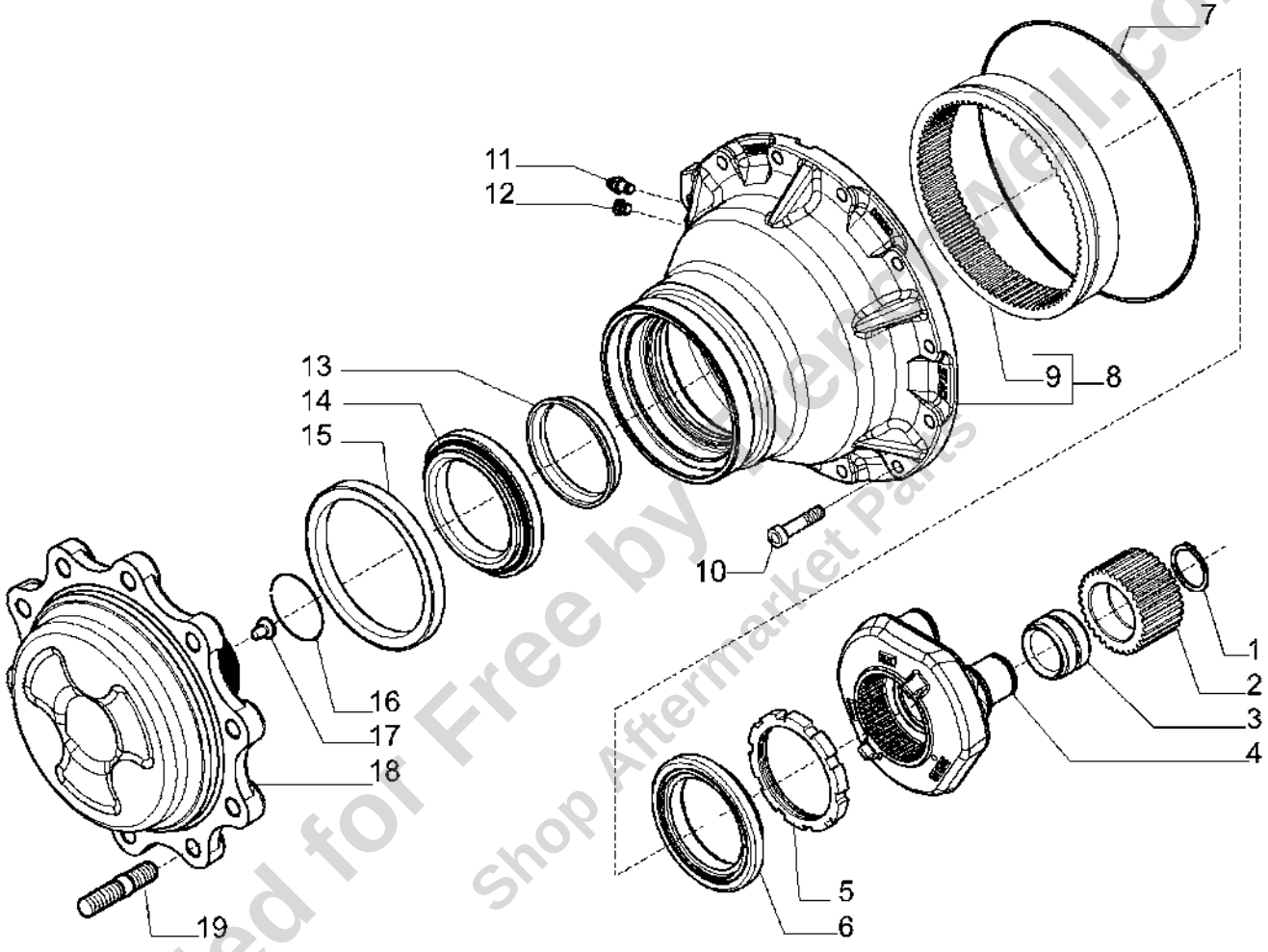
27.120.02	02	p1	09/10

AXLE, REAR DRIVE - PLANETARY (580SN WT, 590SN)



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AXLE, REAR DRIVE - PLANETARY (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395386		1	REAR AXLE, 580SN WT, 590SN Models, Inc 1 - 19
1		800-1150		6	SNAP RING, M50, Ext
2		87708967		6	GEAR, Z = 31
3		87708444		6	TAPERED ROLLER BEARING
4		87708452		2	PLANET CARRIER
5		87708454		2	RING NUT, M108 x 2
6		K395101		2	TAPERED ROLLER BEARING
7		87711038		2	RING, Wheel Hub
8		87708969		2	RING GEAR, Hub, Kit
9		87708467		2	RING GEAR, Rear Axle
10		403955A1		24	BOLT, M14 x 45
11		E135810		2	VENTING SCREW
12		9625178		2	PLUG, Hex Soc, 9/16"-18 ORB
13		87708970		2	SPACER
14		371148A1		2	BEARING, Inner Wheel
15		87708971		2	SEALRING
16		87708453		2	SNAP RING
17		K395093		2	HEADED PIN
18		87708972		2	FLANGE, Wheel
19		D142986		20	STUD

580SN WT
590SN

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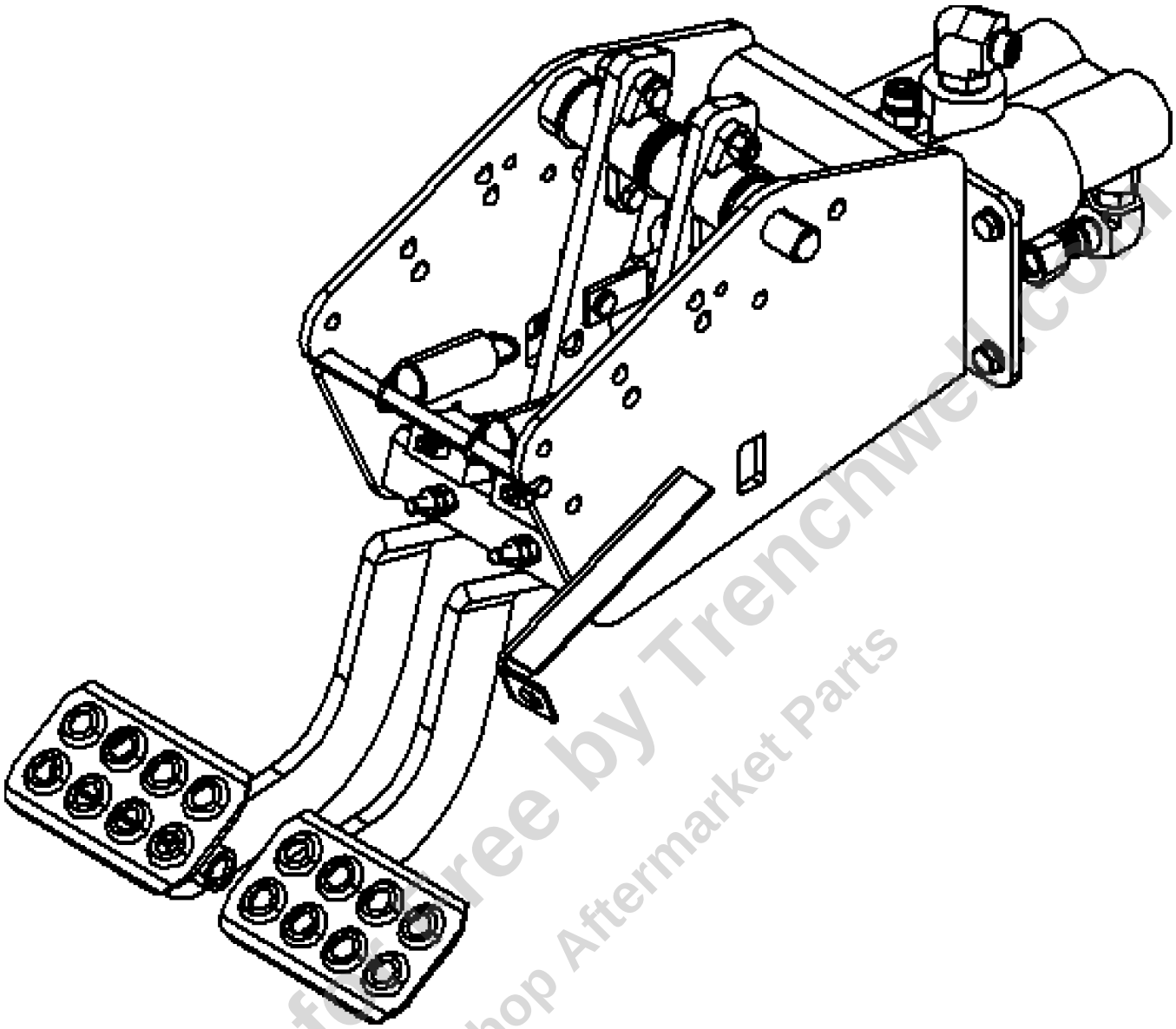
PICTORIAL INDEX - BRAKE & CONTROLS



33.202.03

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PICTORIAL INDEX - BRAKE & CONTROLS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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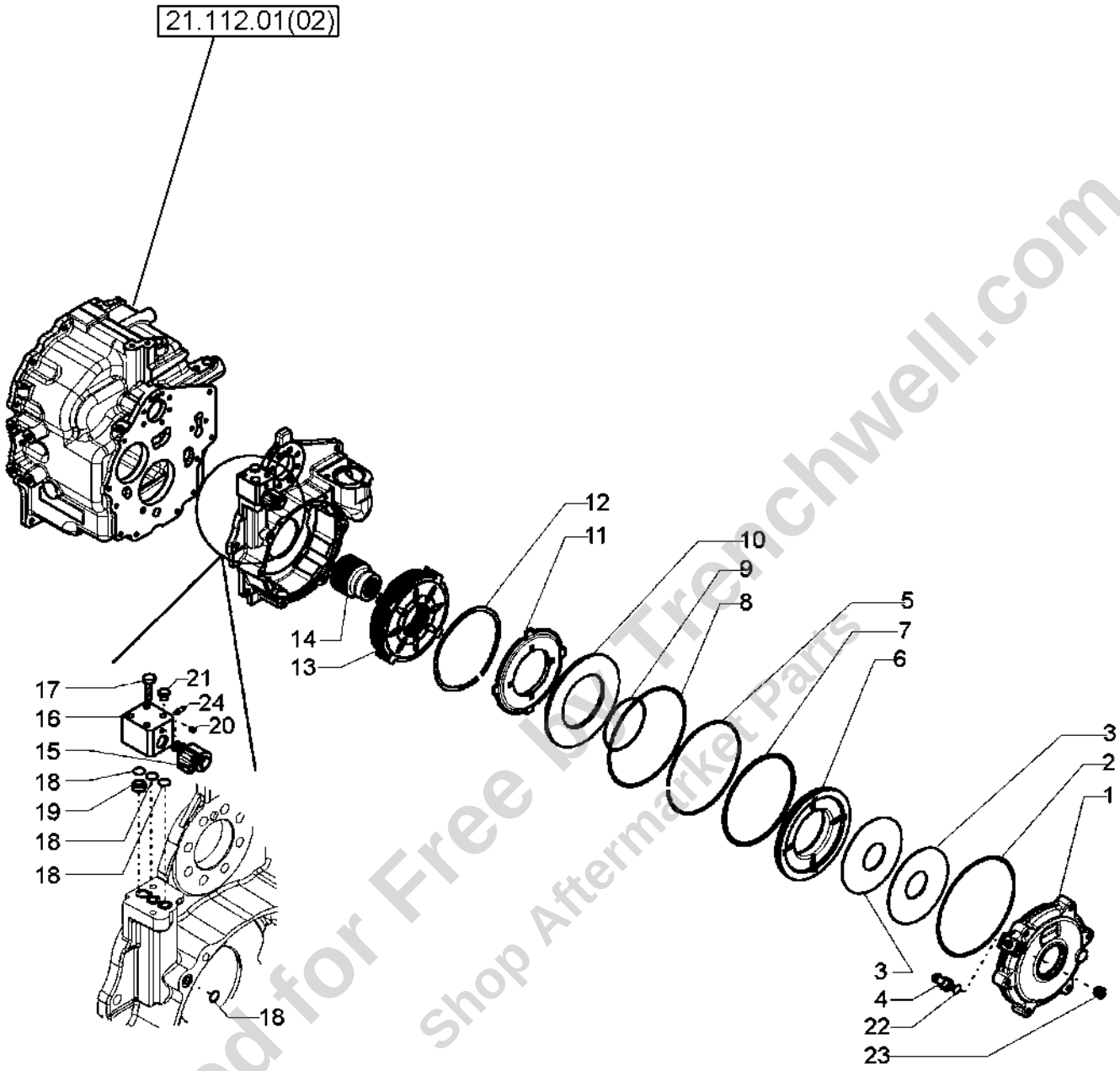
TRANSMISSION - 2WD / 4WD - BRAKE, PARKING



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TRANSMISSION - 2WD / 4WD - BRAKE, PARKING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87701309		1	COVER, Brake
2		87701310		1	O-RING, 8.237" ID x 0.103" Width
3		363485A1		2	SPRING WASHER, Belleville
4		87701313		1	SENSOR, Pressure
5		87701315		1	RING, Stop
6		87701317		1	PISTON, Brake
7		87701318		1	SEALRING
8		87701320		1	O-RING
9		87701321		1	SEALRING
10		87701323		1	RETAINING PLATE
11		87701324		1	BRAKE PLATE, Counterplate
12		87701325		5	SPACER
13		87701327		1	BRAKE PACKAGE
14		87701328		1	BUSHING, Link
15		87701329		1	SOLENOID
16		87701330		1	CONTROL BLOCK
17		814-8055		2	BOLT, Hex, M8 x 55, 8.8
18		346583A1		4	O-RING
19		87701333		1	BUSHING
20		139312A1		1	PLUG
21		NSS		1	NOT SERVICED SEPARATELY, PLUG, Shipping
22		100760A1		1	O-RING
23		E135809		1	PLUG, 9/16
24		933781R1		1	LUBE NIPPLE, M10 x 1

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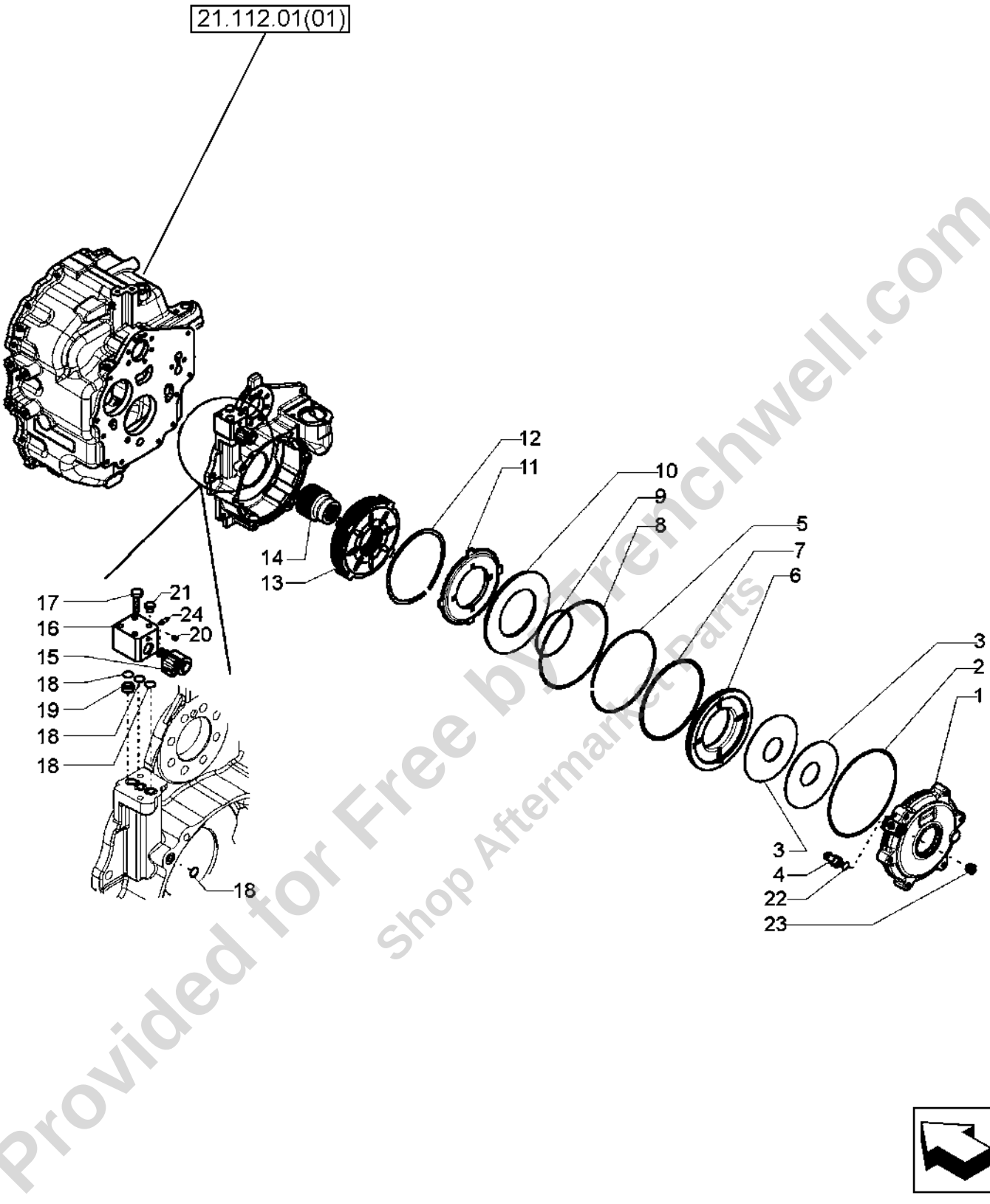
TRANSMISSION - 4WD - BRAKE, PARKING



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TRANSMISSION - 4WD - BRAKE, PARKING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87395301		1	TRANSMISSION, Four Wheel Drive; Incl Ref 1 - 24
		87395301R		1	REMAN-TRANSMISSION, Remanufactured, 4WD, N.A. Only
		87395301C		1	CORE-TRANSMISSION, Return Number, 4WD, N.A. Only
1		87701309		1	COVER, Brake
2		87701310		1	O-RING, 8.237" ID x 0.103" Width
3		363485A1		2	SPRING WASHER
4		87701313		1	SENSOR, Pressure
5		87701315		1	RING, Stop
6		87701317		1	PISTON, Brake
7		87701318		1	SEALRING
8		87701320		1	O-RING
9		87701321		1	SEALRING
10		87701323		1	RETAINING PLATE
11		87701324		1	BRAKE PLATE, Counterplate
12		87701325		5	SPACER
13		87701327		1	BRAKE PACKAGE
14		87701328		1	BUSHING, Link
15		87701329		1	SOLENOID
16		87701330		1	CONTROL BLOCK
17		814-8055		2	BOLT, Hex, M8 x 55, 8.8
18		346583A1		4	O-RING
19		87701333		1	BUSHING
20		139312A1		1	PLUG
21		NSS		1	NOT SERVICED SEPARATELY, PLUG, Shipping Plug
22		100760A1		1	O-RING
23		E135809		1	PLUG, 9/16
24		933781R1		1	LUBE NIPPLE, M10 x 1

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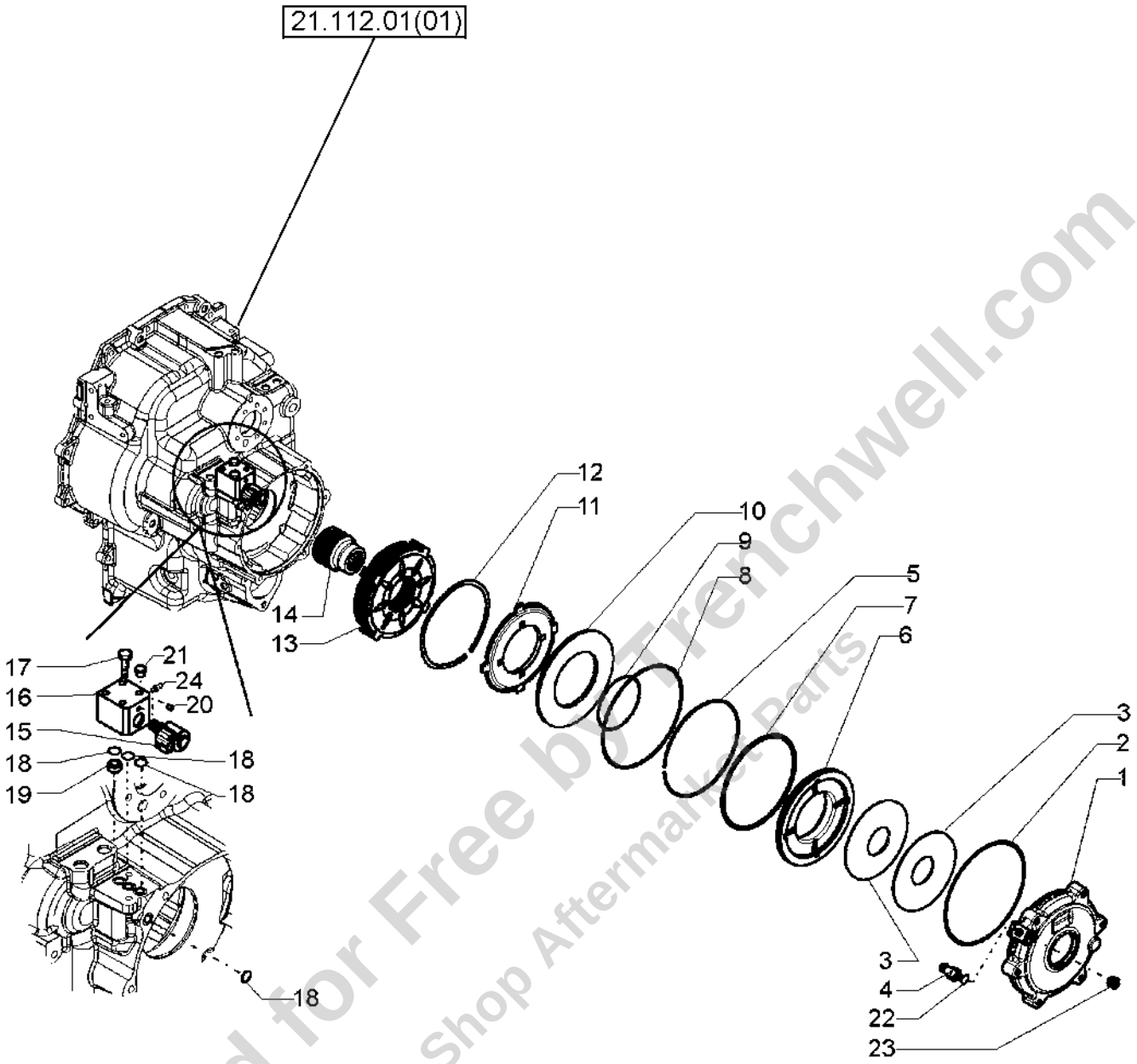
TRANSMISSION - 4WD POWERSHIFT H TYPE, SPS - BRAKE, PARKING



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TRANSMISSION - 4WD POWERSHIFT H TYPE, SPS - BRAKE, PARKING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87567534		1	TRANSMISSION, Powershift, Four Wheel Drive; Incl Ref 1 - 24
1		87701309		1	COVER, Brake
2		87701310		1	O-RING, 8.237" ID x 0.103" Width
3		363485A1		2	SPRING WASHER
4		87701313		1	SENSOR, Pressure
5		87701315		1	RING, Stop
6		87701317		1	PISTON, Brake
7		87701318		1	SEALRING
8		87701320		1	O-RING
9		87701321		1	SEALRING
10		87701323		1	RETAINING PLATE
11		87701324		1	BRAKE PLATE, Counterplate
12		87701325		5	SPACER
13		87701327		1	BRAKE PACKAGE
14		87701328		1	BUSHING, Link
15		87701329		1	SOLENOID
16		87701330		1	CONTROL BLOCK
17		814-8055		2	BOLT, Hex, M8 x 55, 8.8
18		346583A1		4	O-RING
19		87701333		1	BUSHING
20		139312A1		2	PLUG
21		NSS		2	NOT SERVICED SEPARATELY, PLUG, Shipping Plug
22		100760A1		1	O-RING
23		E135809		1	PLUG, 9/16
24		933781R1		1	LUBE NIPPLE, M10 x 1

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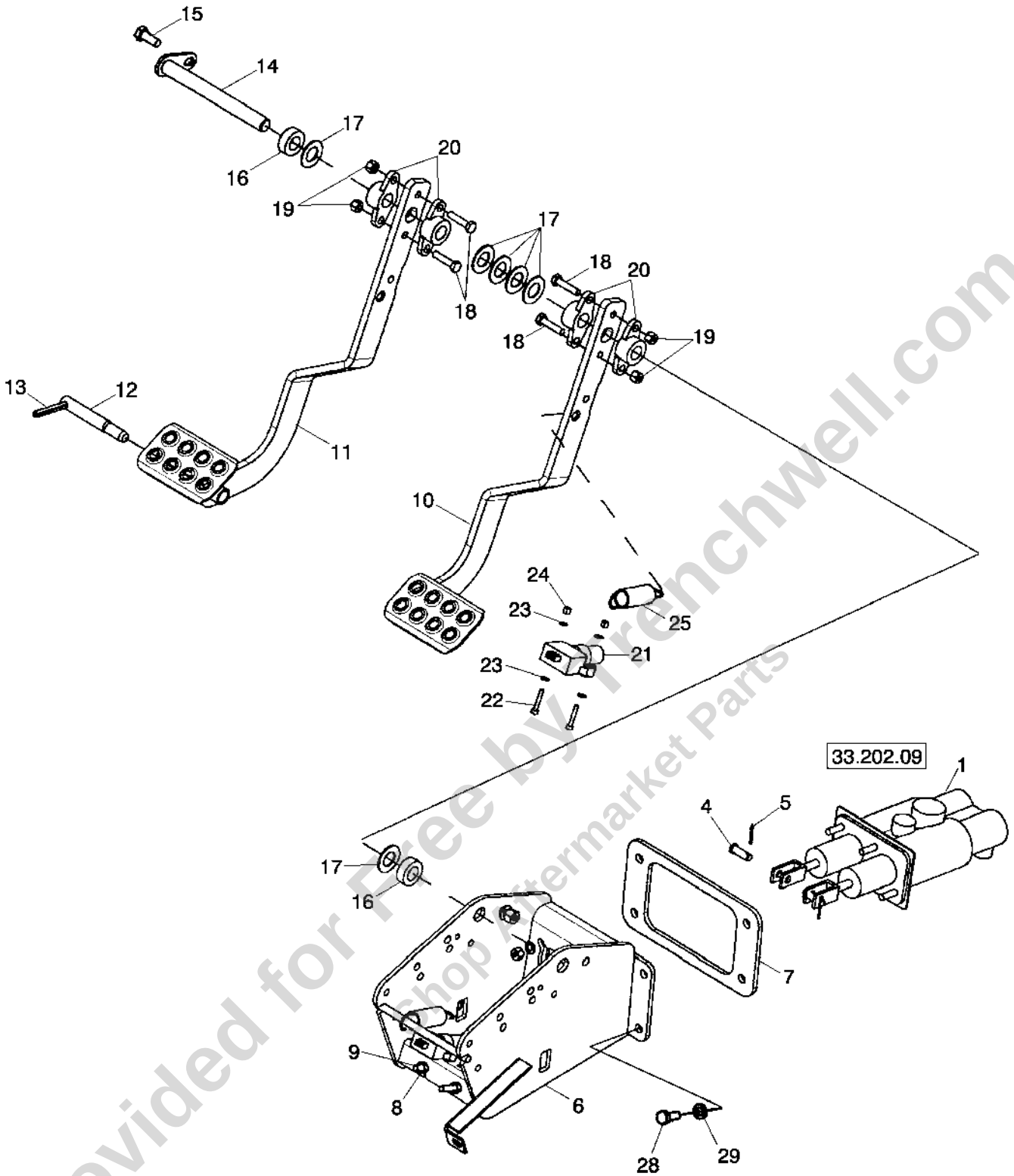
BRAKE - PEDALS



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BRAKE - PEDALS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87714038		1	MASTER CYLINDER
2		895-11008		4	WASHER, M8 x 16 x 1.6
3		832-10408		4	LOCK NUT, M8 x 1.25, Cl 8
4		427-6106		2	CLEVIS PIN, 3/8" x 1 1/16"
5		432-612		2	COTTER PIN, 3/32" x 3/4"
6		87642370		1	SHIELD, Brake Pedal and Brake Master Cylinder Mounting
7		87644495		1	GASKET
8		829-1408		4	NUT, M8, Cl 10
9		87644497		2	ISOLATOR, Brake Pedal
10		87642365		1	PEDAL, Right-Hand
11		87642364		1	PEDAL, Left-Hand
12		D124530		1	PIN, Brake Pedal Lock
13		86625112		1	LOCK PIN, 5/16" x 2 1/2", Slotted
14		D140035		1	SHAFT
15		614-10025		1	BOLT, Hex, M10 x 25, 8.8, Full Thd
16		D124529		2	SPACER
17		495-81261		AR	WASHER, 13/16" x 1 1/2" x .067", HDN, Used As A Spacer
18		814-8035		4	BOLT, Hex, M8 x 35, 8.8
19		832-10408		4	LOCK NUT, M8 x 1.25, Cl 8
20		A77310		4	BEARING, 0.754" ID x 1.375" OD x 0.81", Bearing
21		82026949		2	SWITCH ASSY, Push Button, Brake Lamp, Attaches To Front Console Wiring Harness
22		87016468		4	HEX SOC SCREW, Hex Soc Hd, M4 x 25, 8.8
23		895-11004		8	WASHER, M4
24		832-10404		4	LOCK NUT, M4 x .7, Cl 8
25		230973A1		2	SPRING
26		895-11010		1	WASHER, M10 x 20 x 2
27		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
28		614-8020		4	BOLT, Hex, M8 x 20, 8.8
29		895-11008		4	WASHER, M8 x 16 x 1.6

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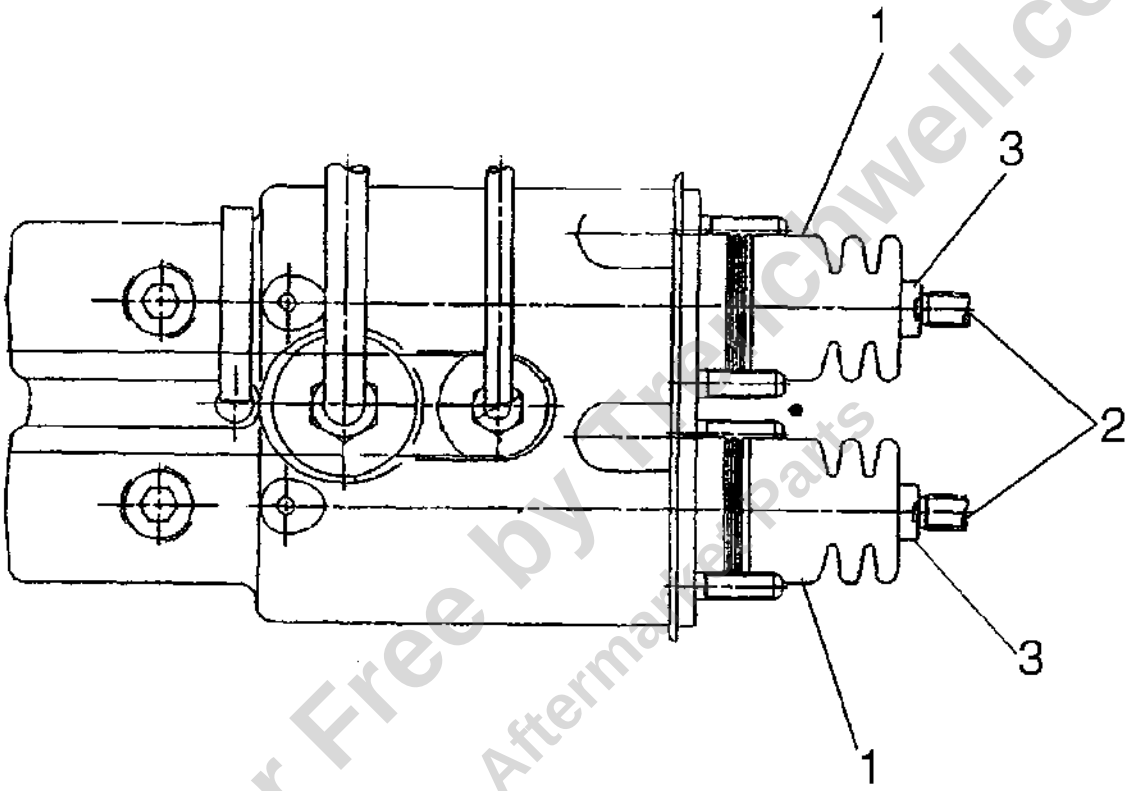
CYLINDER ASSY - BRAKE MASTER



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CYLINDER ASSY - BRAKE MASTER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87714038		1	MASTER CYLINDER, Incl. Ref 1 - 3
1		87716969		2	BOOT
2		87716970		2	CLEVIS
3		829-1410		2	NUT, M10, Cl 10

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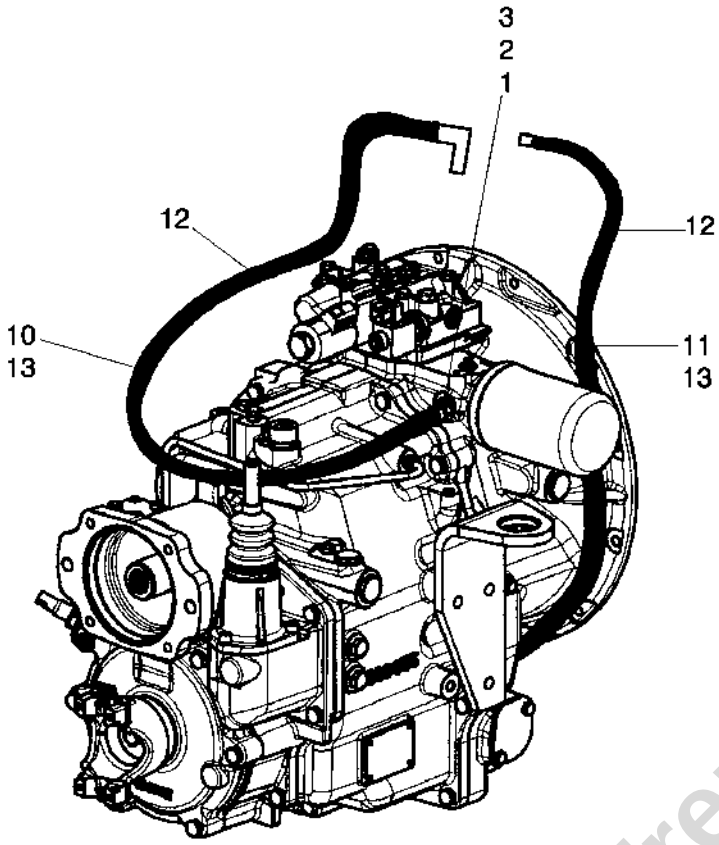
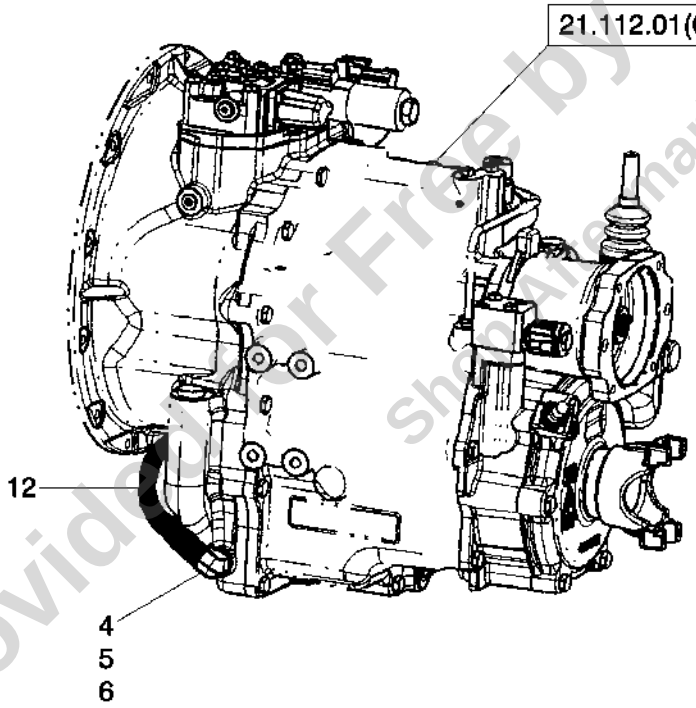
BRAKE LINES TO TRANSMISSION - 2WD





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BRAKE LINES TO TRANSMISSION - 2WD

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		201-101		1	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB, Incl 2, 3
2		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07", Face Seal End
3		238-6012		1	O-RING, -012, 90 Duro, .364" ID x .070" Thk, Boss End
4		201-304		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS, Incl. 5, 6
5		238-6012		1	O-RING, -012, 90 Duro, .364" ID x .070" Thk, Face Seal End
6		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07", Boss End
10		87603513		1	BRAKE LINE, 1525 mm; Supply
11		87603514		1	BRAKE LINE, 1425 mm; Return
12		191704A1		5	HOSE PROTECTION, 450 mm Long; No Longer Used; For Service Order (2) Ref 13, 87491619
13		87491619		2	GUARD, Hose; 1400 mm Long

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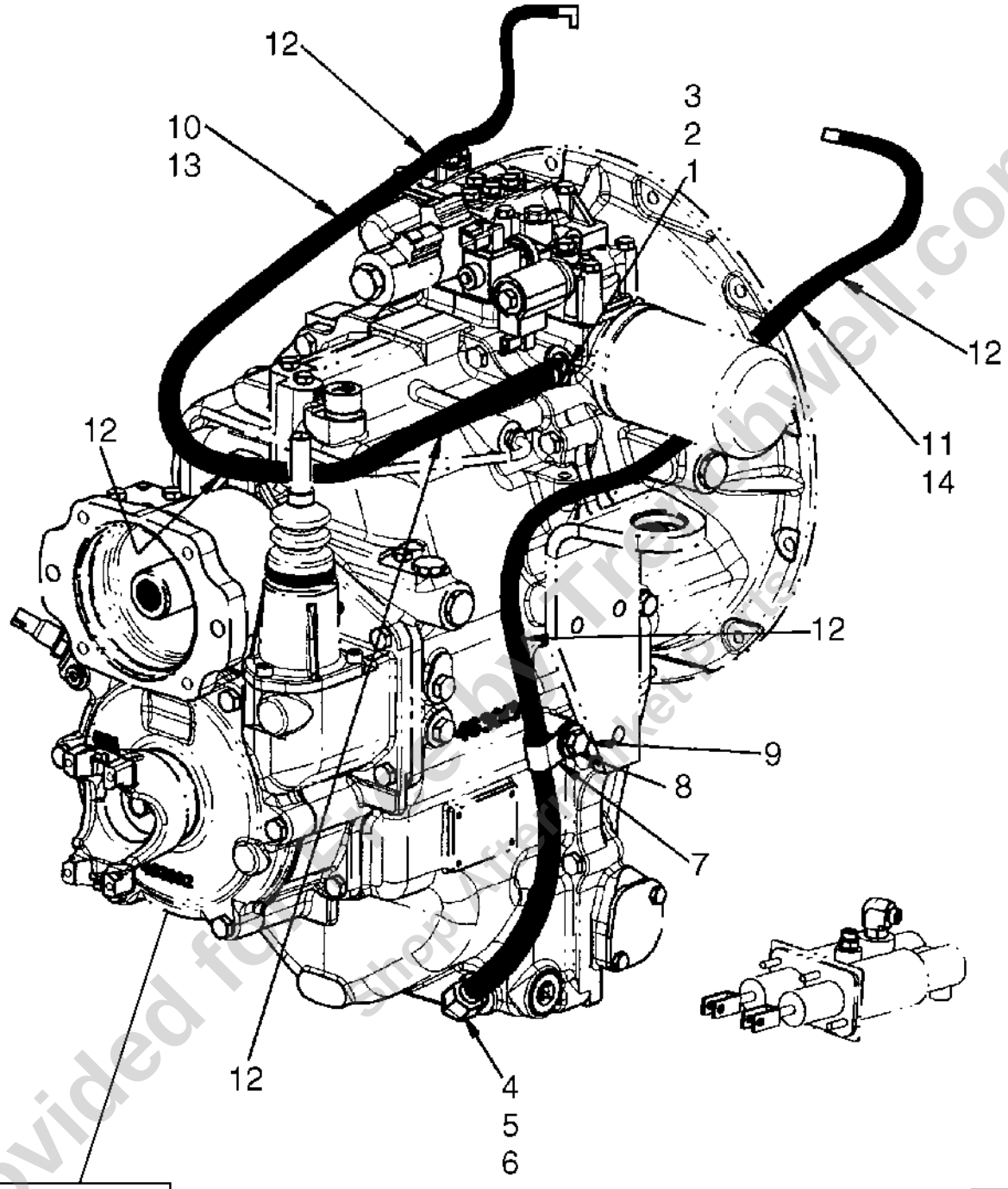
33.202.12		p1	07/11

BRAKE LINES TO TRANSMISSION - 4WD



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BRAKE LINES TO TRANSMISSION - 4WD

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		201-101		1	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB, Incl 2, 3
2		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07", Face Seal End
3		238-6012		1	O-RING, -012, 90 Duro, .364" ID x .070" Thk, Boss End
4		201-304		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS, Incl. 5, 6
5		238-6012		1	O-RING, -012, 90 Duro, .364" ID x .070" Thk, Face Seal End
6		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07", Boss End
7		515-25190		1	CLAMP, 3/4", Insul, 1/2" Bolt
8		896-15012		1	WASHER, M12 x 28.5 x 4, HT
9		614-12025		1	BOLT, Hex, M12 x 25, 8.8
10		87603513		1	BRAKE LINE, 1525 mm; Supply
11		87603514		1	BRAKE LINE, 1425 mm; Return
12		191704A1		5	HOSE PROTECTION, 450 mm Long; No Longer Used; For Service Order (2) Ref 13, 87491619
13		87491619		1	GUARD, Hose; 1400 mm Long
14		87491620		1	GUARD, Hose; 1090 mm Long

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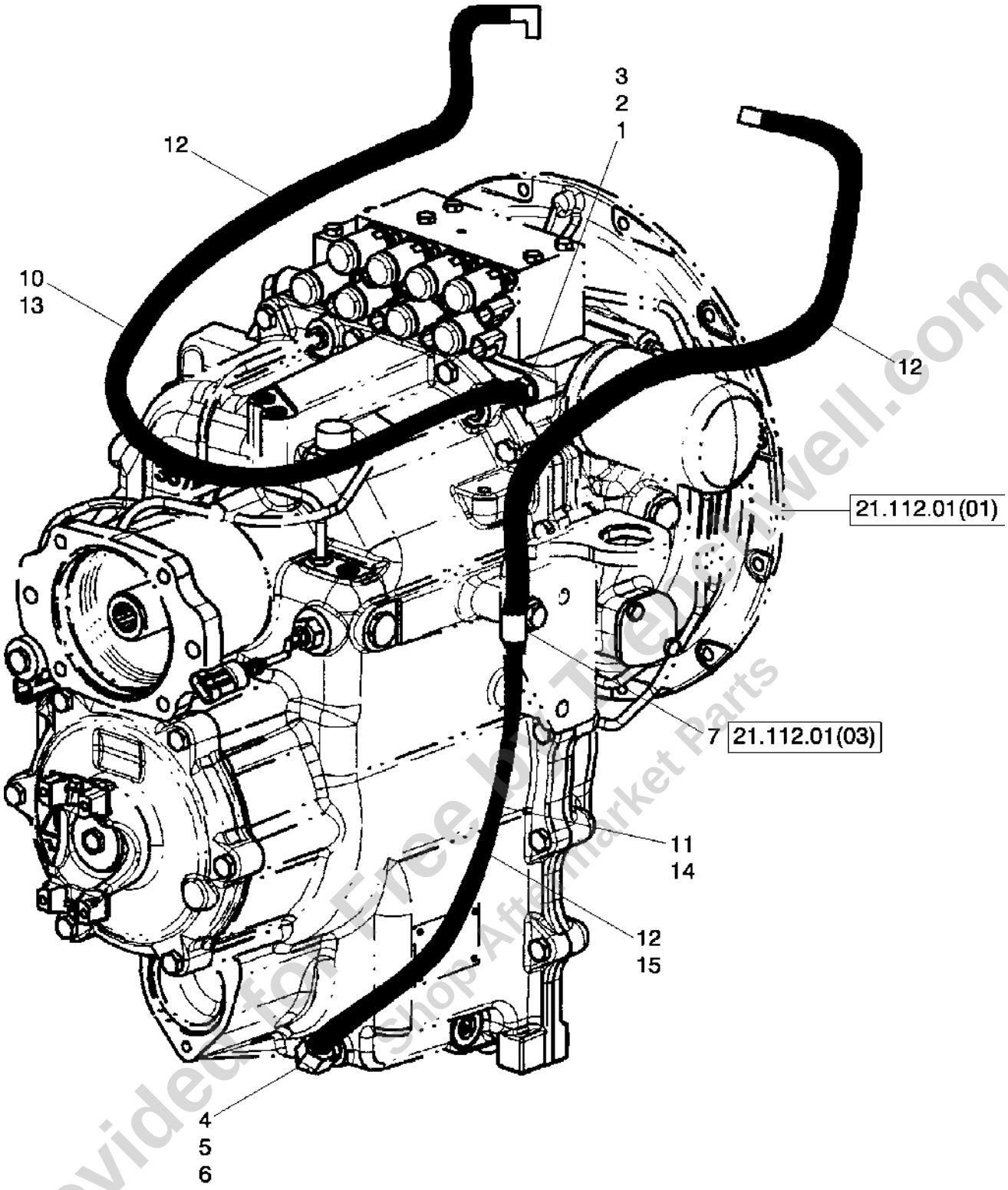
33.202.13		p1	09/11

BRAKE LINES TO TRANSMISSION - 4WD POWERSHIFT



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BRAKE LINES TO TRANSMISSION - 4WD POWERSHIFT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		201-101		1	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB, Incl 2, 3
2		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07", Face Seal End
3		238-6012		1	O-RING, -012, 90 Duro, .364" ID x .070" Thk, Boss End
4		201-304		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS, Incl. 5, 6
5		238-6012		1	O-RING, -012, 90 Duro, .364" ID x .070" Thk, Face Seal End
6		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07", Boss End
7		515-25190		1	CLAMP, 3/4", Insul, 1/2" Bolt, Use Exisitng Hardware on Mounting Bracket
10		87603513		1	BRAKE LINE, 1525 mm; Supply
11		87603514		1	BRAKE LINE, 1425 mm; Return
12		191704A1		6	HOSE PROTECTION, 450 mm Long; No Longer Used; For Service Order (2) Ref 13, 87491619
13		87491619		1	GUARD, Hose; 1400 mm Long
14		87491619		1	GUARD, Hose; 1400 mm Long
15		191704A1		1	HOSE PROTECTION, 450 mm Long

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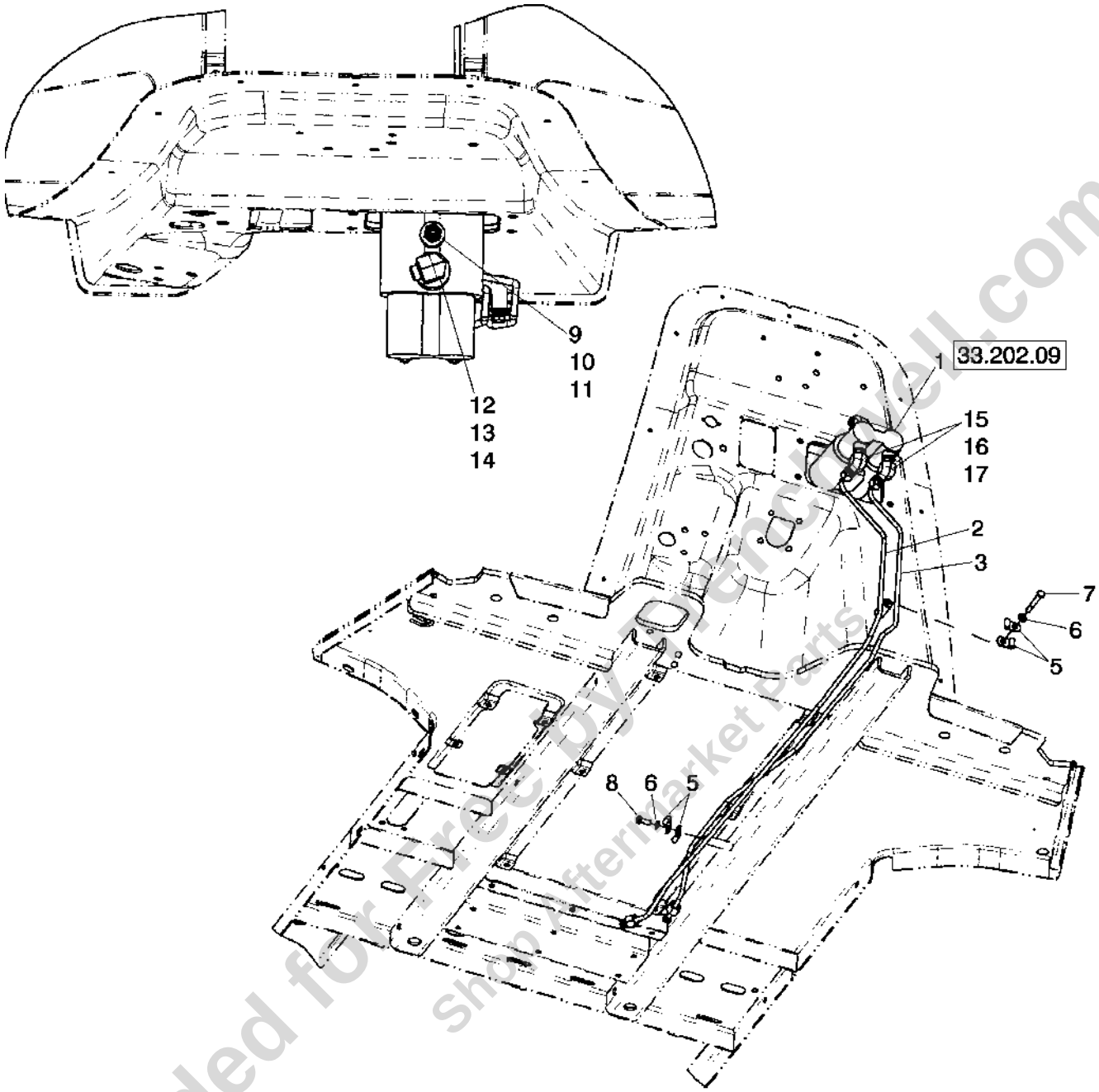
33.202.14		p1	05/11

HYDRAULICS - BRAKE MASTER CYLINDER



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HYDRAULICS - BRAKE MASTER CYLINDER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87714038		1	MASTER CYLINDER
2		87697589		1	TUBE, 9.525 mm OD x 1036.7 mm L, RH Brake
3		87697590		1	TUBE, 9.5255 mm OD x 982.6 mm L, LH Brake
4		87449579		1	SPACER, Brake Tube
5		515-2379		4	CLAMP, 5/16", Insul, 3/8" Bolt
6		895-11008		2	WASHER, M8 x 16 x 1.6
7		814-8070		1	BOLT, Hex, M8 x 70, 8.8
8		614-8030		1	BOLT, Hex, M8 x 30, 8.8
9		700-101		1	HYD CONNECTOR, 11/16"-16 ORFS x M14 x 1.5 ORB, Incl. 10, 11
10		238-6012		1	O-RING, -012, 90 Duro, .364" ID x .070" Thk, Face Seal End
11		637-63113		1	O-RING, 11.3mm ID x 2.2mm Width
12		700-345		1	ELBOW, 90º, 11/16"-18 ORFS x M18 x 1.5 ORB, Incl. 13, 14
13		637-63153		1	O-RING, 15.3mm ID x 2.2mm Width
14		238-6012		1	O-RING, -012, 90 Duro, .364" ID x .070" Thk, Face Seal End
15		700-304		2	ELBOW, 90º, 11/16"-18 ORFS x M14 x 1.5 ORB, Incl. 16, 17
16		238-6012		1	O-RING, -012, 90 Duro, .364" ID x .070" Thk, Face Seal End
17		637-63113		1	O-RING, 11.3mm ID x 2.2mm Width

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35.730.01	02	CYLINDER - BACKHOE DIPPER(580SN, 580SN WT)
35.730.01	03	CYLINDER - BACKHOE DIPPER (590SN)
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35.730.03	02	CYLINDER - BACKHOE BOOM (580SN, 580SN WT)
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35.740.01	01	HYDRAULICS - BACKHOE EXTENDABLE DIPPER (580N,580SN, 580SN WT)
35.740.01	02	CYLINDER - BACKHOE EXTENDABLE DIPPER (580N,580SN, 580SN WT)
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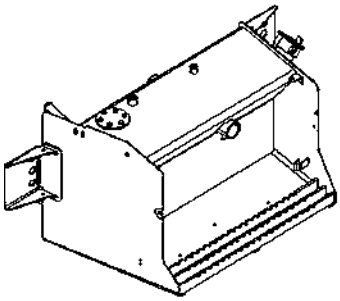
PICTORIAL INDEX - HYDRAULIC SYSTEMS



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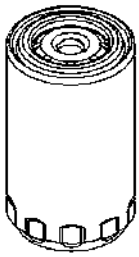

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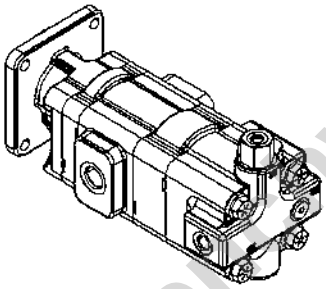

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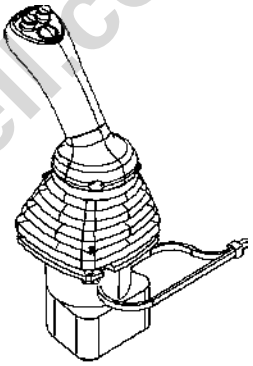

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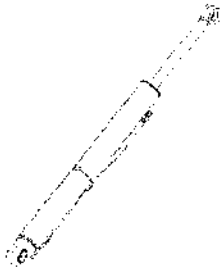

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PICTORIAL INDEX - HYDRAULIC SYSTEMS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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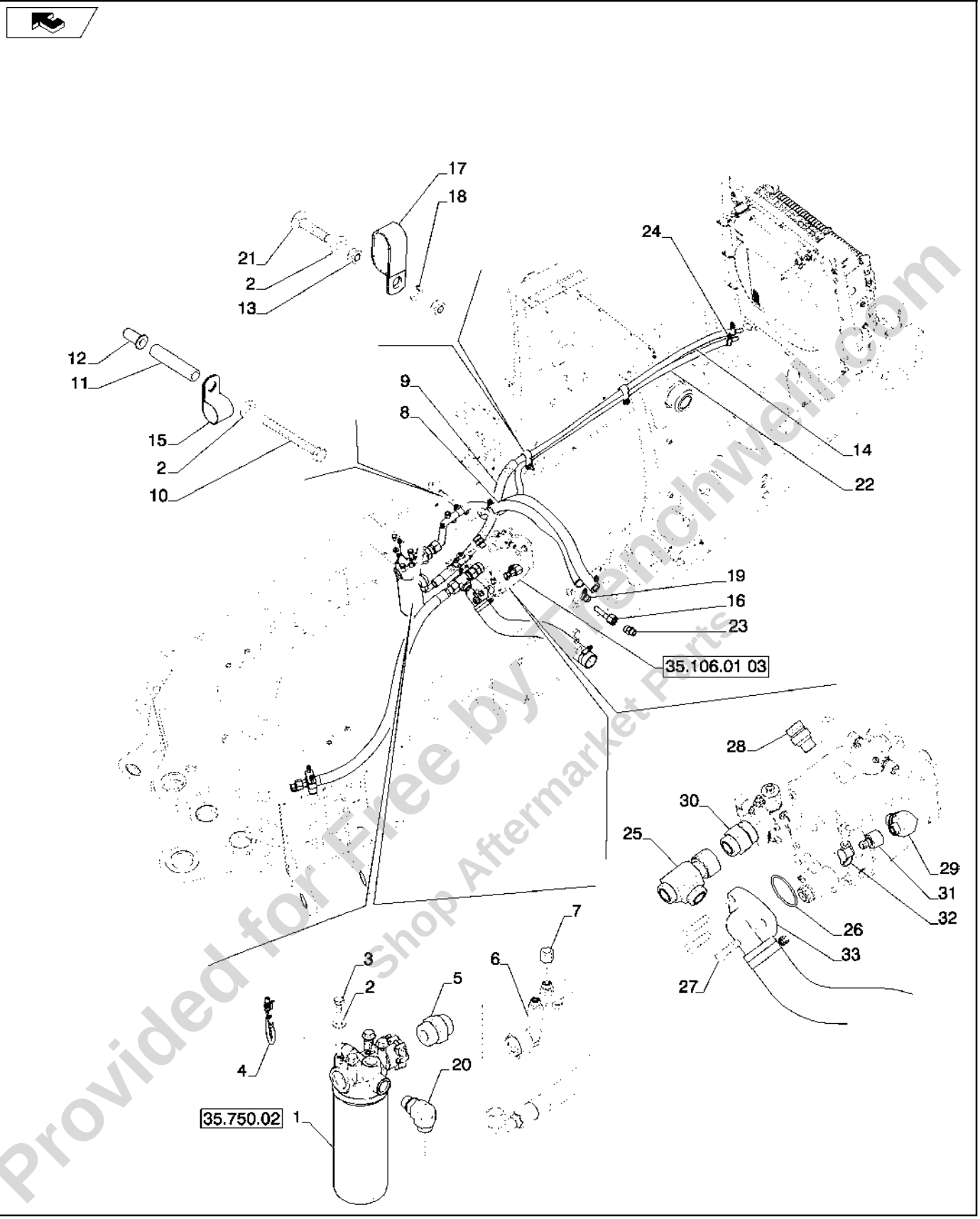
35.106.01	01	p1	09/11

HYDRAULICS - PUMP INSTALL (580SN, 580SN WT, 590SN)



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HYDRAULICS - PUMP INSTALL (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84248499		1	FILTER ASSY
2		87655046		6	SPECIAL WASHER
3		614-10020		4	BOLT, Hex, M10 x 20, 8.8, Full Thd
4		84292224		1	WIRE HARNESS
5		9847247		2	HYD CONNECTOR, 1 7/16"-12 ORFS x 1 5/8"-12 ORB
5		9824050		2	O-RING, 0.926" ID x 1.066" OD x 0.07"
5		570186		2	O-RING, 1.475" ID x 0.118" Width
6		84251872		1	HYD. TUBE
7		87331950		2	CAP ASSY.
8		87656501		2	HOSE PROTECTION, 340.00 mm ID x 540.00 mm
9		NS		1	NOT SERVICED, Hose Guard
10		120075		1	BOLT, Hex, M10 x 100, 8.8
11		84256840		1	SPACER
12		87417721		1	THREADED INSERT
13		829-1410		3	NUT, M10, Cl 10
14		84326090		1	HOSE ASSY.
15		515-25254		1	CLAMP, 1", Insul, 1/2" Bolt
16		84245410		1	HYD. TUBE
17		D39696		2	CLAMP
18		892-11010		2	LOCK WASHER, M10
19		277678A1		2	CLAMP
20		87675522		1	ELBOW
20		9992069		1	O-RING, 0.614" ID x 0.754" OD x 0.07"
20		167269		1	O-RING, 0.755" ID x 0.097" Width
21		711-10050		1	CARRIAGE BOLT, Short NK, M10 x 50, Cl8.8
22		84326092		1	HOSE ASSY.
23		9840535		1	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
23		9991976		1	O-RING, 0.739" ID x 0.879" OD x 0.07"
23		167266		1	O-RING, 0.924" ID x 0.116" Width
24		328186A1		2	HOSE CLAMP
25		201-418		1	TEE, 1 7/16"-12 ORFS x 1 7/16"-12 Sw Run
25		238-6021		2	O-RING, -021, 90 Duro, .926" ID x .070" Thk
26		238-5228		1	O-RING, -228, 70 Duro, 2.234" ID x .139" Thk

580SN WT 590SN
580SN

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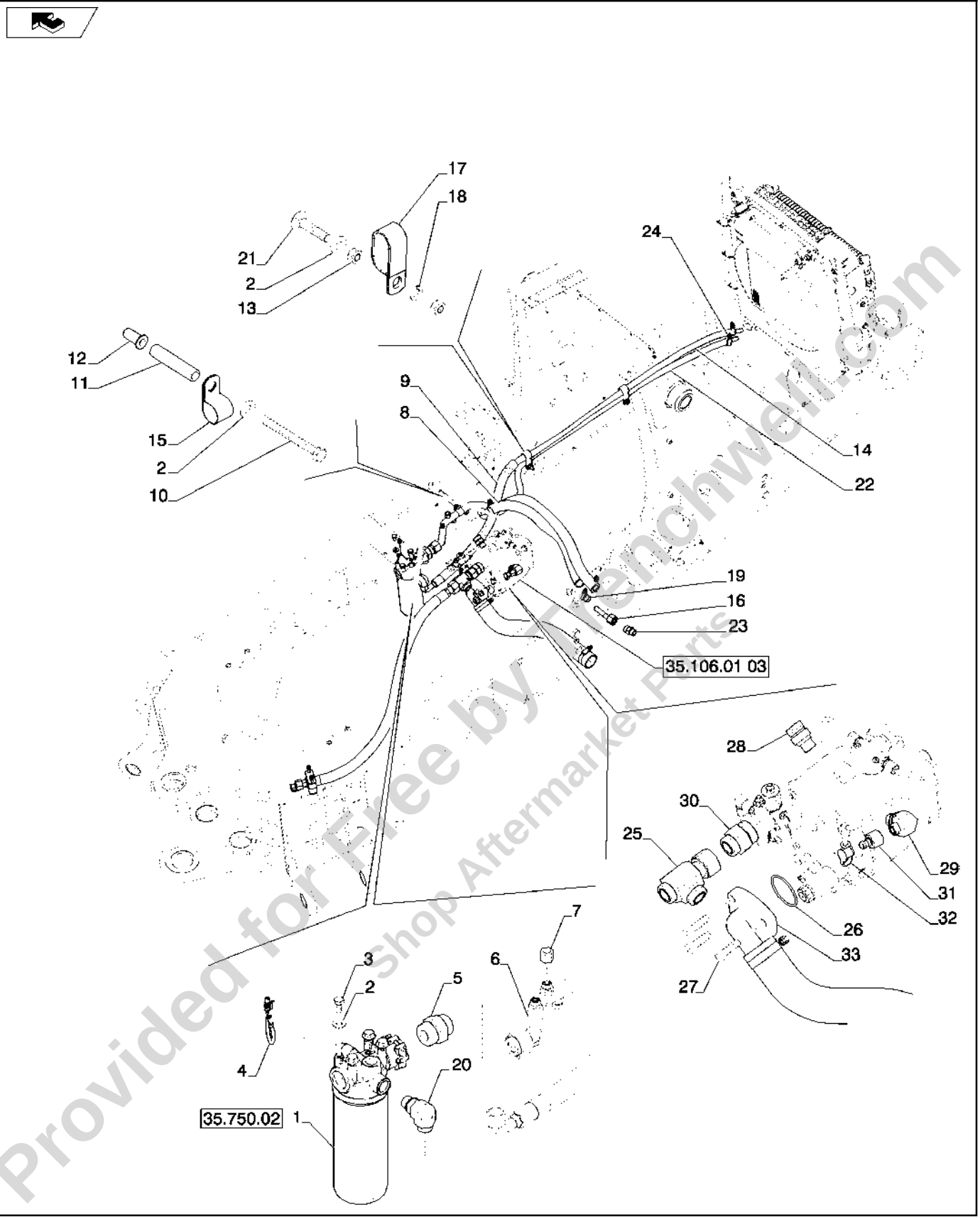
35.106.01	01	p2	09/11

HYDRAULICS - PUMP INSTALL (580SN, 580SN WT, 590SN)



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HYDRAULICS - PUMP INSTALL (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
27		864-12035		3	SCREW, Hex Soc Hd, M12 x 35, 8.8
28		9840534		1	HYD CONNECTOR, 1 3/16"-12 ORFS x 7/8"-14 ORB
28		9991976		1	O-RING, 0.739" ID x 0.879" OD x 0.07"
28		167269		1	O-RING, 0.755" ID x 0.097" Width
29		85802961		1	ELBOW
29		9992298		1	O-RING, 0.489" ID x 0.629" OD x 0.07"
29		167269		1	O-RING, 0.755" ID x 0.097" Width
30		9847247		2	HYD CONNECTOR, 1 7/16"-12 ORFS x 1 5/8"-12 ORB
30		9824050		2	O-RING, 0.926" ID x 1.066" OD x 0.07"
30		570186		2	O-RING, 1.475" ID x 0.118" Width
31		322529A1		1	COUPLING
32		H434163		2	DUST CAP
33		87727923		1	FLANGE

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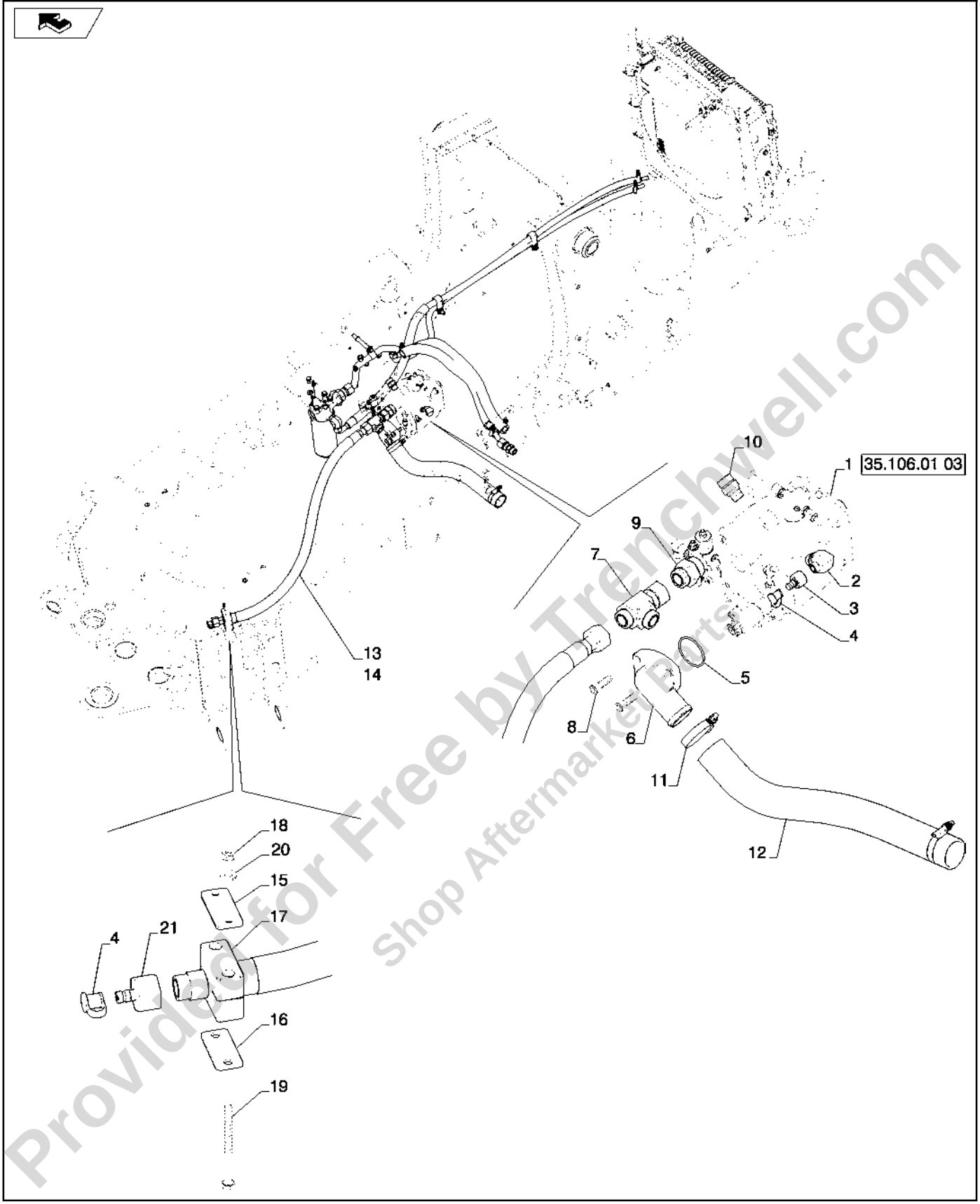
35.106.01	02	p1	02/11

HYDRAULICS - PUMP INSTALL (590SN)



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HYDRAULICS - PUMP INSTALL (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84218971		1	HYDRAULIC PUMP
2		85802961		1	ELBOW
3		322529A1		1	COUPLING
4		H434163		2	DUST CAP
5		238-5228		1	O-RING, -228, 70 Duro, 2.234" ID x .139" Thk
6		87727923		1	FLANGE
7		201-418		1	TEE, 1 7/16"-12 ORFS x 1 7/16"-12 Sw Run
8		864-12035		3	SCREW, Hex Soc Hd, M12 x 35, 8.8
9		9847247		2	HYD CONNECTOR, 1 7/16"-12 ORFS x 1 5/8"-12 ORB
10		9840534		1	HYD CONNECTOR, 1 3/16"-12 ORFS x 7/8"-14 ORB
11		259044A1		2	CLAMP
12		87729268		1	HOSE, 50.800 mm ID x 421.50 mm, SAE 30R7
13		84283583		1	GUARD
14		84282578		1	HOSE
15		84323544		1	PLATE
16		84283077		1	BAR PLATE
17		84296899		1	BLOCK
18		825-1408		2	NUT, M8, Cl 8
19		725403		2	BOLT, Hex, M8 x 100, 8.8, Full Thd
20		87655042		2	SPECIAL WASHER
21		84241474		1	DIAGNOSTIC COUPLER

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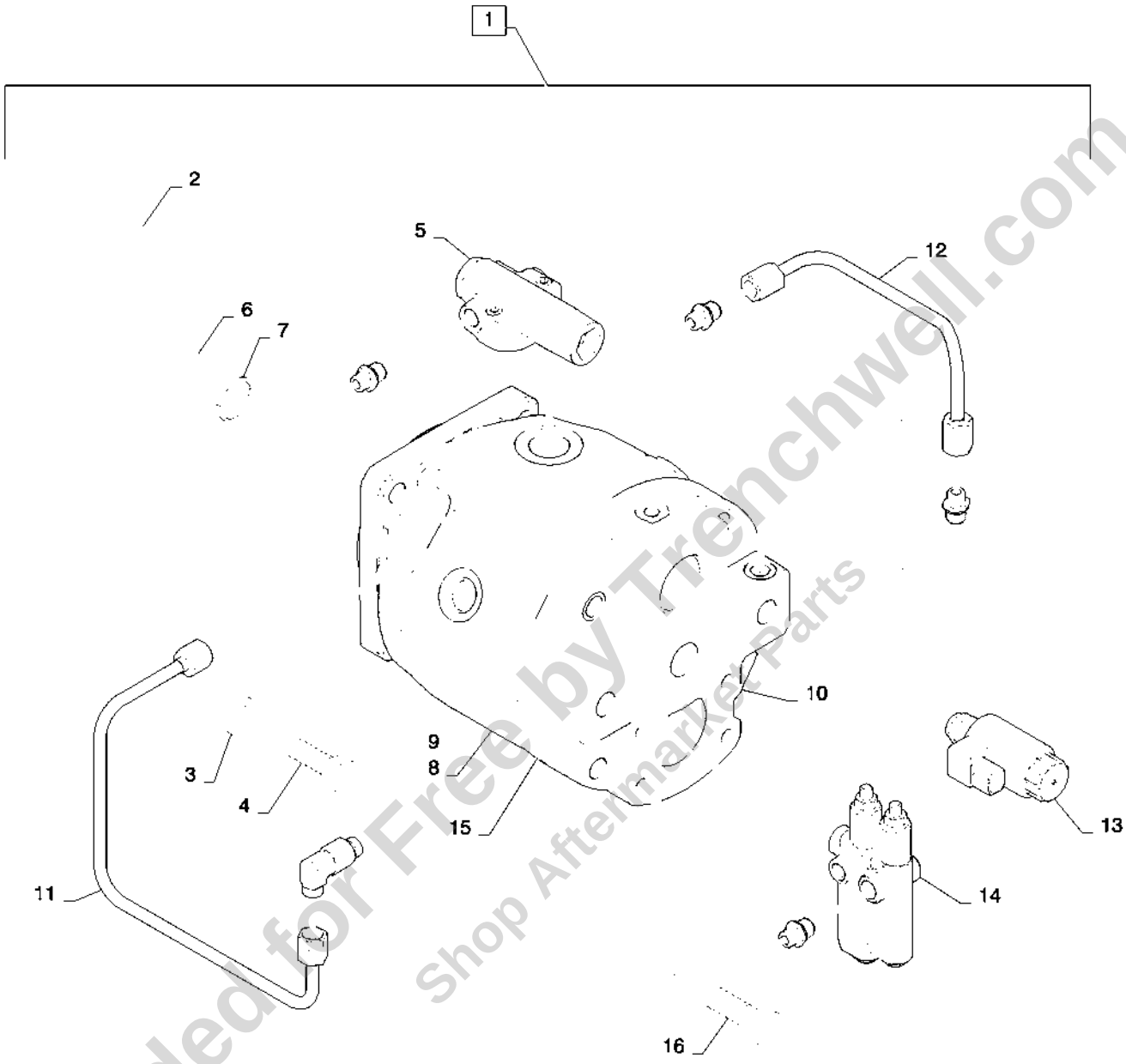
HYDRAULICS - PUMP, EQUIPMENT (590SN)



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HYDRAULICS - PUMP, EQUIPMENT (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84218971		1	HYDRAULIC PUMP, Incl. Ref 7 - 18
2		175156		1	O-RING, 4.987" ID x 5.193" OD x 0.103"
3		87655043		4	SPECIAL WASHER
4		514-832		4	BOLT, Hex, M12 x 1.25 x 35, 8.8, Full Thd, If Used (Not Shown)
		84419227		4	STUD, STUD M12 x 1.25 x 50, 8.8
5		825-11412		4	NUT, M12 x 1.25, Cl 8
6		84292404		1	HARNESS, Suppressor Diode
7		84312221		1	RING
8		84312210		1	O-RING, Inside Pump
9		84312220		4	O-RING, Inside Pump
10		84312301		4	HEX SOC SCREW
11		84499590		1	SERVICE KIT, Long Torque Control Tube
12		84499592		1	SERVICE KIT, Short Torque Control Tube
13		84312179		1	CONTROL VALVE
14		84311934		1	CONTROL VALVE
15		84312299		1	GASKET
16		84312223		4	HEX SOC SCREW
17		84311937		1	CONTROL VALVE
18		84312204		2	SEALRING

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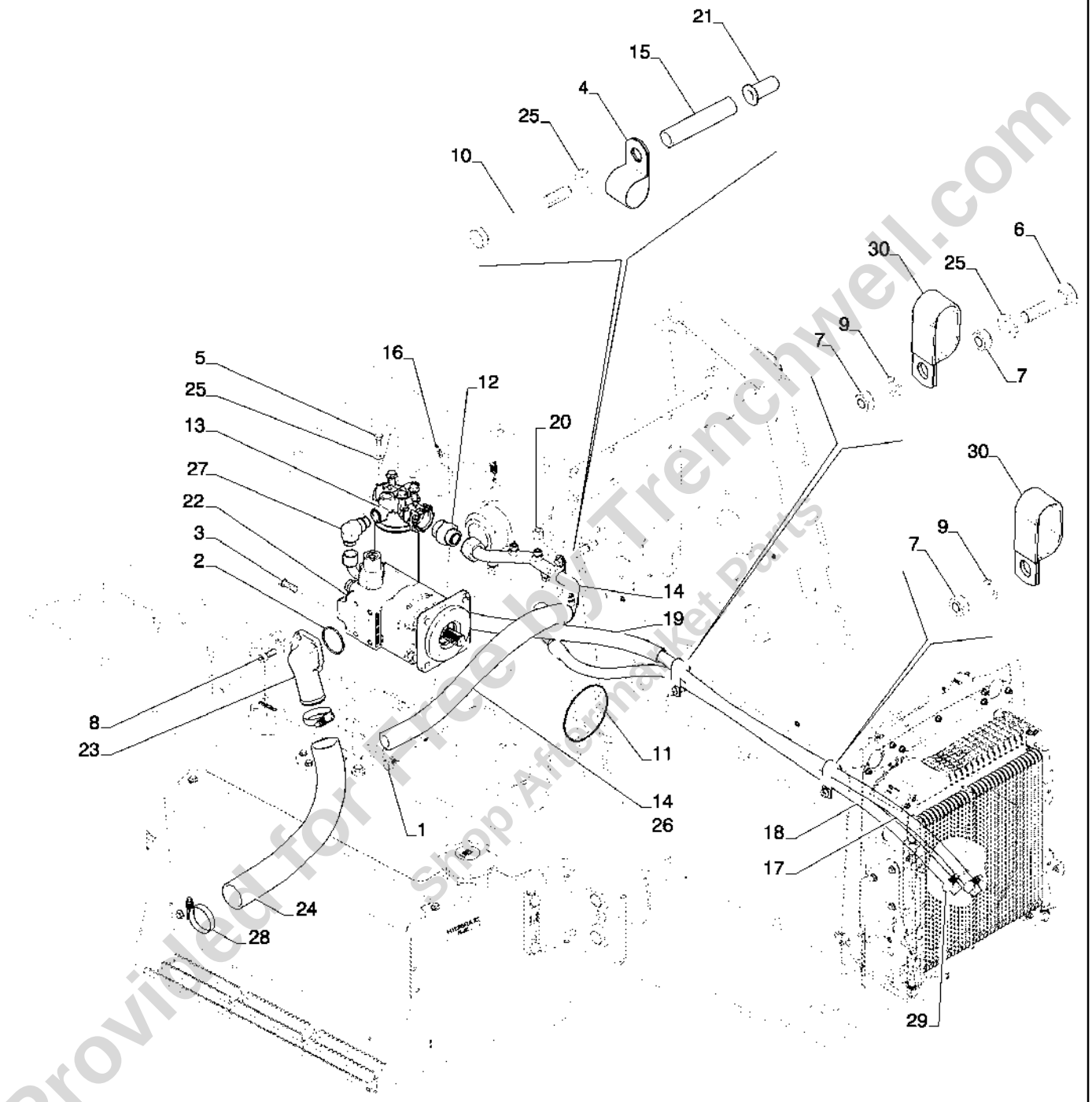
35.106.01	04	p1	03/11

HYDRAULICS - PUMP INSTALL (580N)



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HYDRAULICS - PUMP INSTALL (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		214-1420		1	HOSE CLAMP, #20, 0.81/1.75 Type F Worm
2		238-5228		1	O-RING, -228, 70 Duro, 2.234" ID x .139" Thk
3		514-823		4	BOLT, Hex, M12 x 45, 8.8
4		515-25254		1	CLAMP, 1", Insul, 1/2" Bolt
5		614-10020		4	BOLT, Hex, M10 x 20, 8.8, Full Thd
6		711-10050		1	CARRIAGE BOLT, Short NK, M10 x 50, Cl8.8
7		829-1410		3	NUT, M10, Cl 10
8		864-12030		3	HEX SOC SCREW, Hex Soc Hd, M12 x 30, 8.8
9		892-11010		2	LOCK WASHER, M10
10		120075		1	BOLT, Hex, M10 x 100, 8.8
11		175156		1	O-RING, 4.987" ID x 5.193" OD x 0.103"
12		9847247		1	HYD CONNECTOR, 1 7/16"-12 ORFS x 1 5/8"-12 ORB
13		84248499		1	FILTER ASSY
14		84251872		1	HYD. TUBE
15		84256840		1	SPACER
16		84292224		1	WIRE HARNESS
17		84326090		1	HOSE ASSY.
18		84326092		1	HOSE ASSY.
19		NS		1	NOT SERVICED, Hose Guard
20		87331950		2	CAP ASSY.
21		87417721		1	THREADED INSERT
22		87434672		1	HYDRAULIC PUMP
23		87592658		1	FLANGE
24		87627903		1	HYDRAULIC HOSE, 50.80 mm ID x mm, SAE 30R7
25		87655046		6	SPECIAL WASHER
26		87656501		1	HOSE PROTECTION, 340.00 mm ID x 540.00 mm
27		87675522		1	ELBOW
28		259044A1		2	CLAMP
29		328186A1		2	HOSE CLAMP
30		D39696		2	CLAMP

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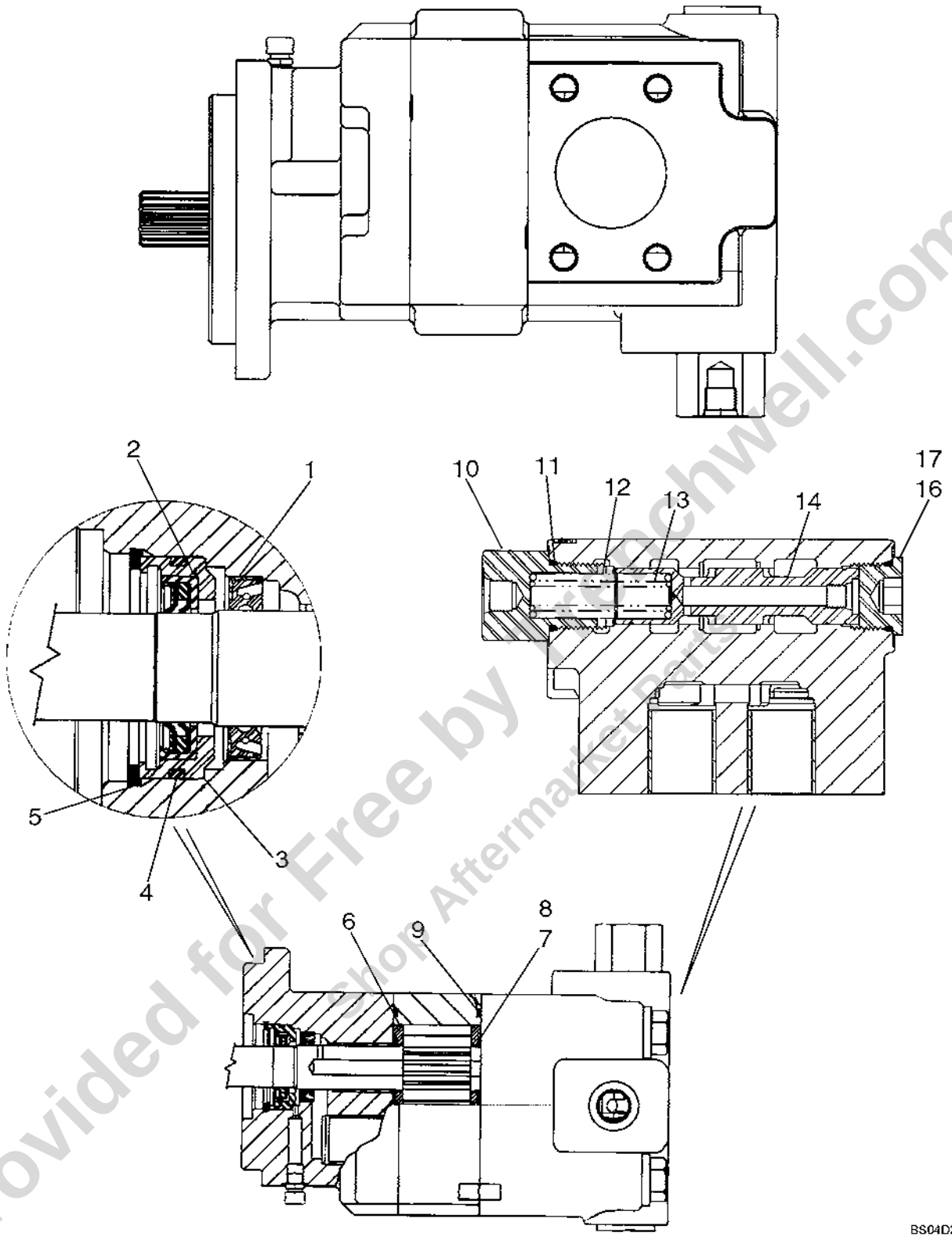
35.106.01	05	p1	09/11

PUMP, EQUIPMENT HYDRAULIC



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PUMP, EQUIPMENT HYDRAULIC

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87434672		1	HYDRAULIC PUMP, Component Parts Not Serviced Separately, Except for 87434070 and 87438045 Service Kits, Ref 1 - 17, See Below
		87434070		1	HYD PUMP REPAIR KIT, Pump Service Kit, Single Section; Incl. Ref 1 - 9
1		L32418		1	SEAL, Double Lip
2		87434075		1	SEAL, Lip Seal
3		87434076		1	SEAL RETAINER
4		87434077		1	SEALRING
5		102-23206		1	SNAP RING, #206, 2.190", Int, Spiral
6		N13582		2	THRUST PLATE
7		144173A1		2	SEAL
8		178051A1		2	BACK-UP RING
9		L32100		2	SEAL, Gear Housing Gasket
		87438045		1	HYD PUMP REPAIR KIT, Priority Valve Service Kit, Single; Incl. Ref 10 - 17
10		87437899		1	PLUG, Load Sense
11		237-6014		1	O-RING, 0.489" ID x 0.629" OD x 0.07"
12		87437905		1	SPRING-CHECK, Spool Spring, 100 psi
13		87437906		1	SPRING-CHECK, Spool Spring, 50 psi
14		87437914		1	SPOOL, Priority Valve Spool
15		87437917		1	PLUG, Orifice, Hex Socket Plug, Spool; Not Illustrated; No Longer Used; No Longer In Service Kit
16		218-5213		1	PLUG, Hex Soc, 1 3/16"-12 ORB, Incl. Ref 17
17		237-6014		1	O-RING, 0.489" ID x 0.629" OD x 0.07"

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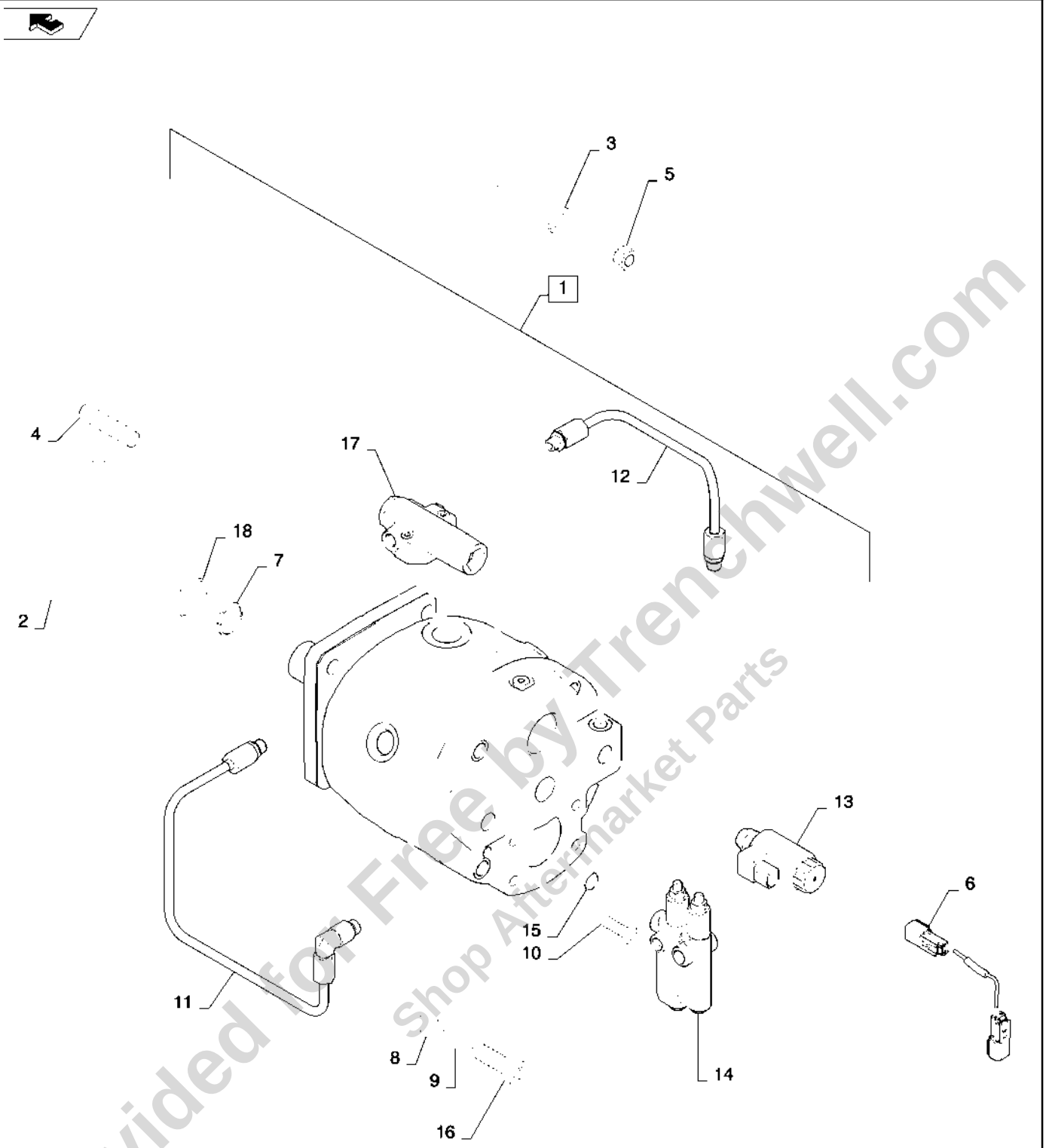
35.106.02	01	p1	01/12

HYDRAULICS - PUMP, EQUIPMENT (WITH POWER LIFT) (580SN, 580SN WT)



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HYDRAULICS - PUMP, EQUIPMENT (WITH POWER LIFT) (580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84218965		1	HYDRAULIC PUMP, Incl. Ref 7 - 18
2		175156		1	O-RING, 4.987" ID x 5.193" OD x 0.103"
3		87655043		4	SPECIAL WASHER
4		514-832		4	BOLT, Hex, M12 x 1.25 x 35, 8.8, Full Thd, If Used (Not Shown)
		84419227		4	STUD, M12 x 1.25 x 50, 8.8
5		825-11412		4	NUT, M12 x 1.25, Cl 8
6		84292404		1	HARNESS, Suppressor Diode
7		84312221		1	RING
8		84312210		1	O-RING, Inside Pump
9		84312220		4	O-RING, Inside Pump
10		84312301		4	HEX SOC SCREW
11		84499590		1	SERVICE KIT, Long Torque Control Tube
12		84499592		1	SERVICE KIT, Short Torque Control Tube
13		84312179		1	CONTROL VALVE
14		84311934		1	CONTROL VALVE
15		84312299		1	GASKET
16		84312223		4	HEX SOC SCREW
17		84311937		1	CONTROL VALVE
18		84312204		2	SEALRING

580SN WT
580SN

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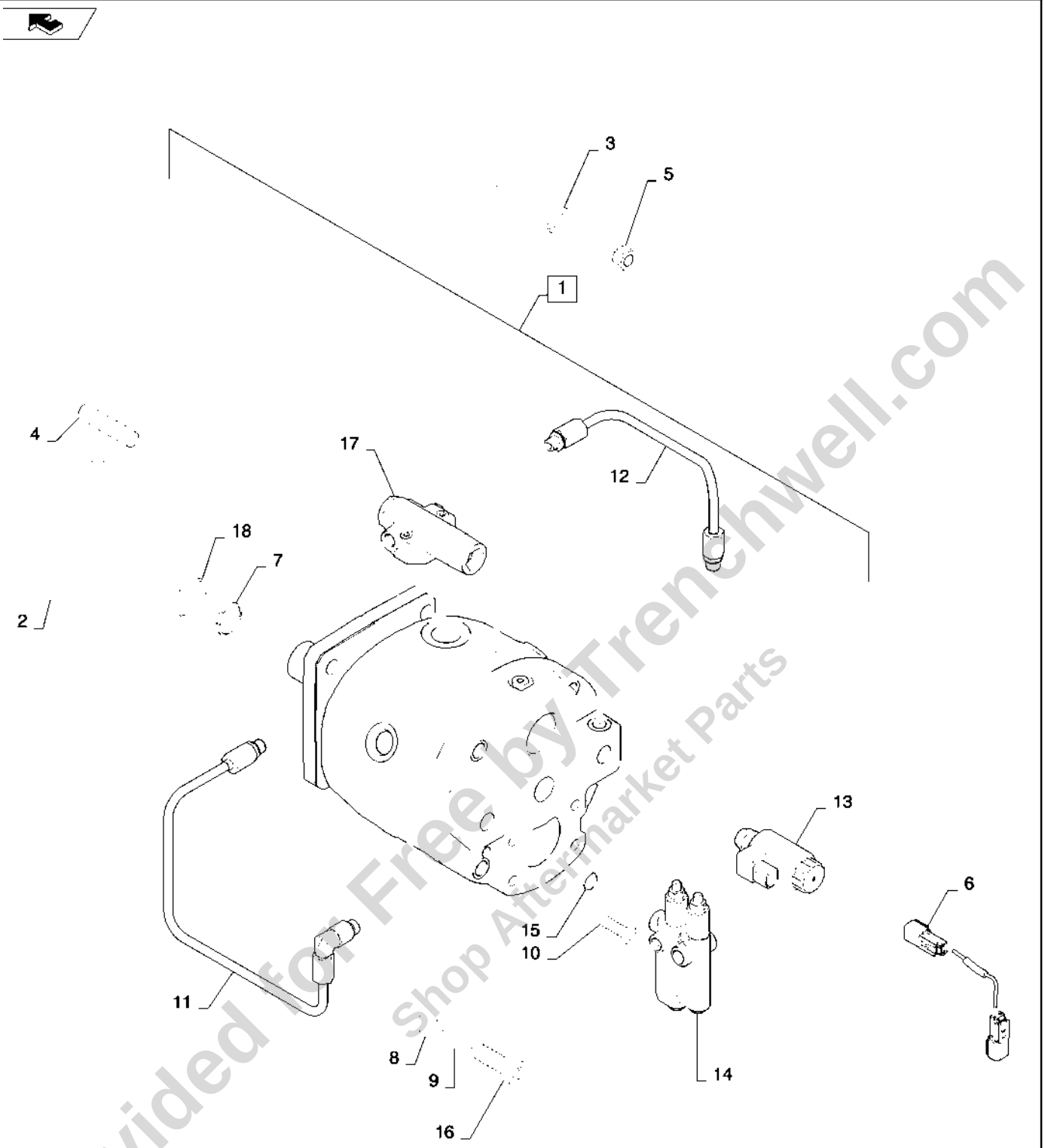
35.106.02	02	p1	01/12

HYDRAULICS - PUMP, EQUIPMENT (WITHOUT POWER LIFT) (580SN)



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HYDRAULICS - PUMP, EQUIPMENT (WITHOUT POWER LIFT) (580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84218959		1	HYDRAULIC PUMP, Incl. Ref 7 - 18
2		175156		1	O-RING, 4.987" ID x 5.193" OD x 0.103"
3		87655043		4	SPECIAL WASHER
4		514-832		4	BOLT, Hex, M12 x 1.25 x 35, 8.8, Full Thd, If Used (Not Shown)
		84419227		4	STUD, M12 x 1.25 x 50, 8.8
5		825-11412		4	NUT, M12 x 1.25, Cl 8
6		84292404		1	HARNESS, Suppressor Diode
7		84312221		1	RING
8		84312210		1	O-RING, Inside Pump
9		84312220		4	O-RING, Inside Pump
10		84312301		4	HEX SOC SCREW
11		84499590		1	SERVICE KIT, Long Torque Control Tube
12		84499592		1	SERVICE KIT, Short Torque Control Tube
13		84312179		1	CONTROL VALVE
14		84312294		1	CONTROL VALVE
15		84312299		1	GASKET
16		84312223		4	HEX SOC SCREW
17		84311937		1	CONTROL VALVE
18		84312204		2	SEALRING

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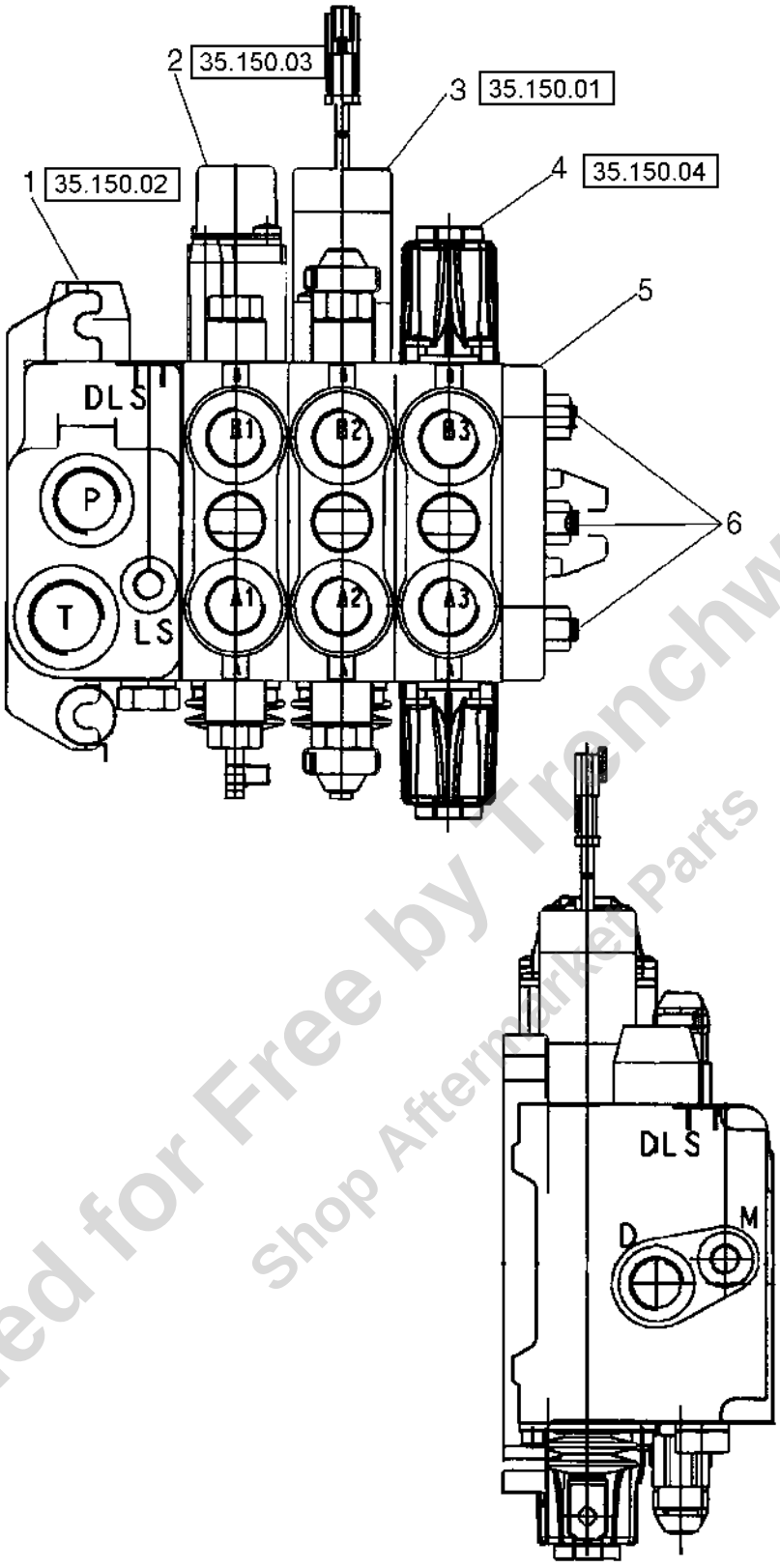
35.114.02		p1	06/11

VALVE - LOADER CONTROL, 3 SPOOL (PILOT CONTROLS) (580SN, 580SN WT, 590SN)



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VALVE - LOADER CONTROL, 3 SPOOL (PILOT CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87584604		1	CONTROL VALVE, 580SM+; Three Spool Loader Valve, Used On Models With Pilot Controls And Variable Volume Pump; Includes Parts Listed Below
1		87751123		1	HYD VALVE SECTION, Inlet
2		87751137		1	HYD VALVE SECTION, Boom
3		87751139		1	HYD VALVE SECTION, Bucket
4		87751147		1	HYD VALVE SECTION, Optional Auxiliary
5		87330847		1	OUTLET
6		85825474		3	THREADED TIE-ROD

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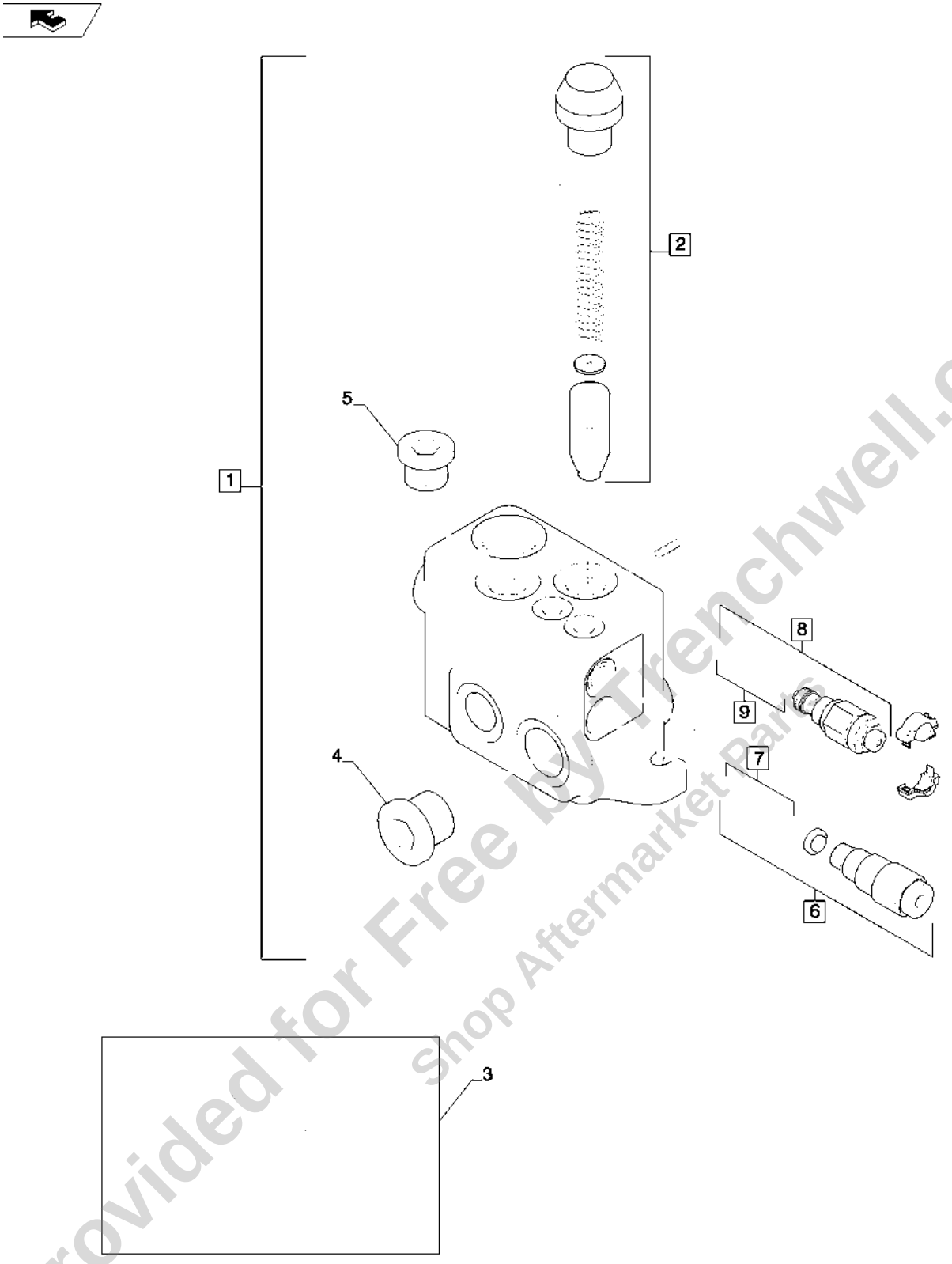
35.150.01	01	p1	03/11

VALVE SECTION - BACKHOE, INLET (WITH PILOT CONTROLS) (580N)



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VALVE SECTION - BACKHOE, INLET (WITH PILOT CONTROLS) (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84355708		1	HYD VALVE SECTION, Inlet
2		85820129		1	KIT
3		85825477		1	SEAL KIT
4		87363628		1	PLUG
5		9841223		1	PLUG, Hex Soc, 1 1/16"-12 ORB
6		85820128		1	REGULATOR
7		85821235		1	SEAL KIT
8		84157943		1	PRESSURE RELIEF VALVE
9		85821236		1	SEAL KIT

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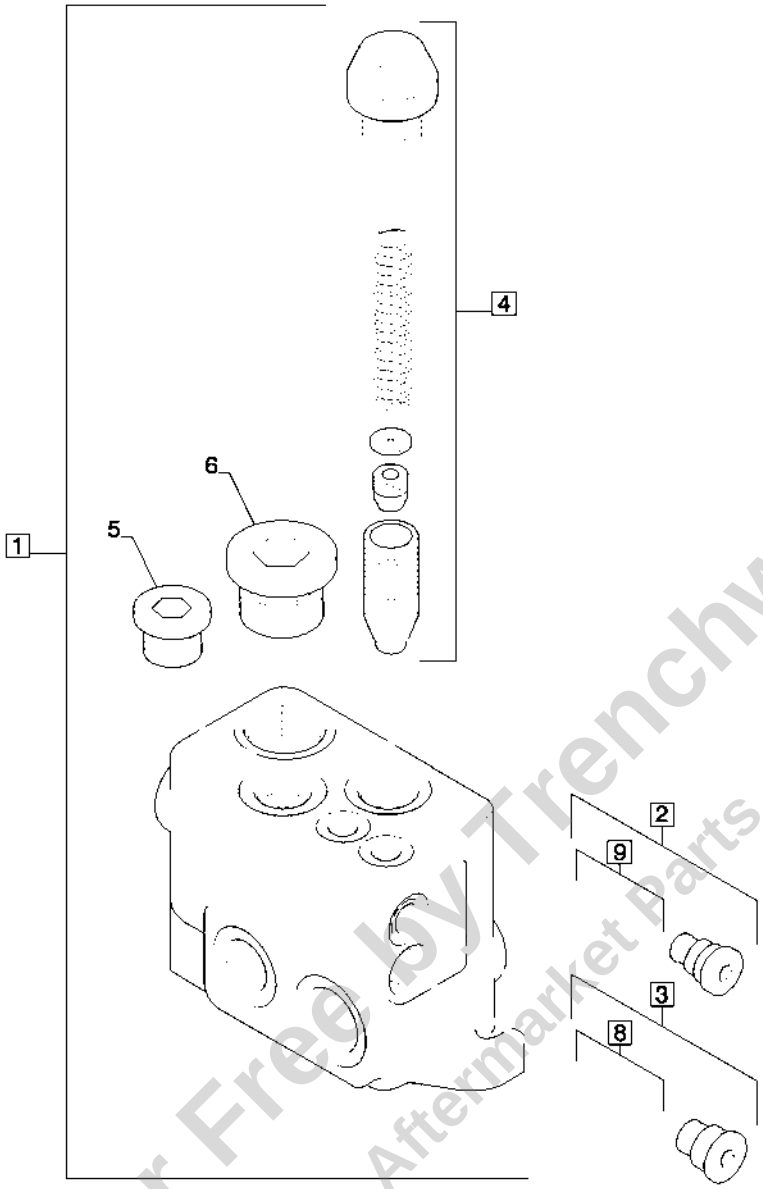
35.150.01	02	p1	03/11

VALVE SECTION - BACKHOE, INLET (WITH PILOT CONTROLS) (580SN, 580SN WT, 590SN)



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VALVE SECTION - BACKHOE, INLET (WITH PILOT CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84278712		1	HYD VALVE SECTION, Inlet
2		87752047		1	PLUG
3		87752046		1	PLUG
4		84295095		1	KIT
5		9841223		1	PLUG, Hex Soc, 1 1/16"-12 ORB
6		87363628		1	PLUG
7		85825477		1	SEAL KIT
8		85821235		1	SEAL KIT
9		85821236		1	SEAL KIT

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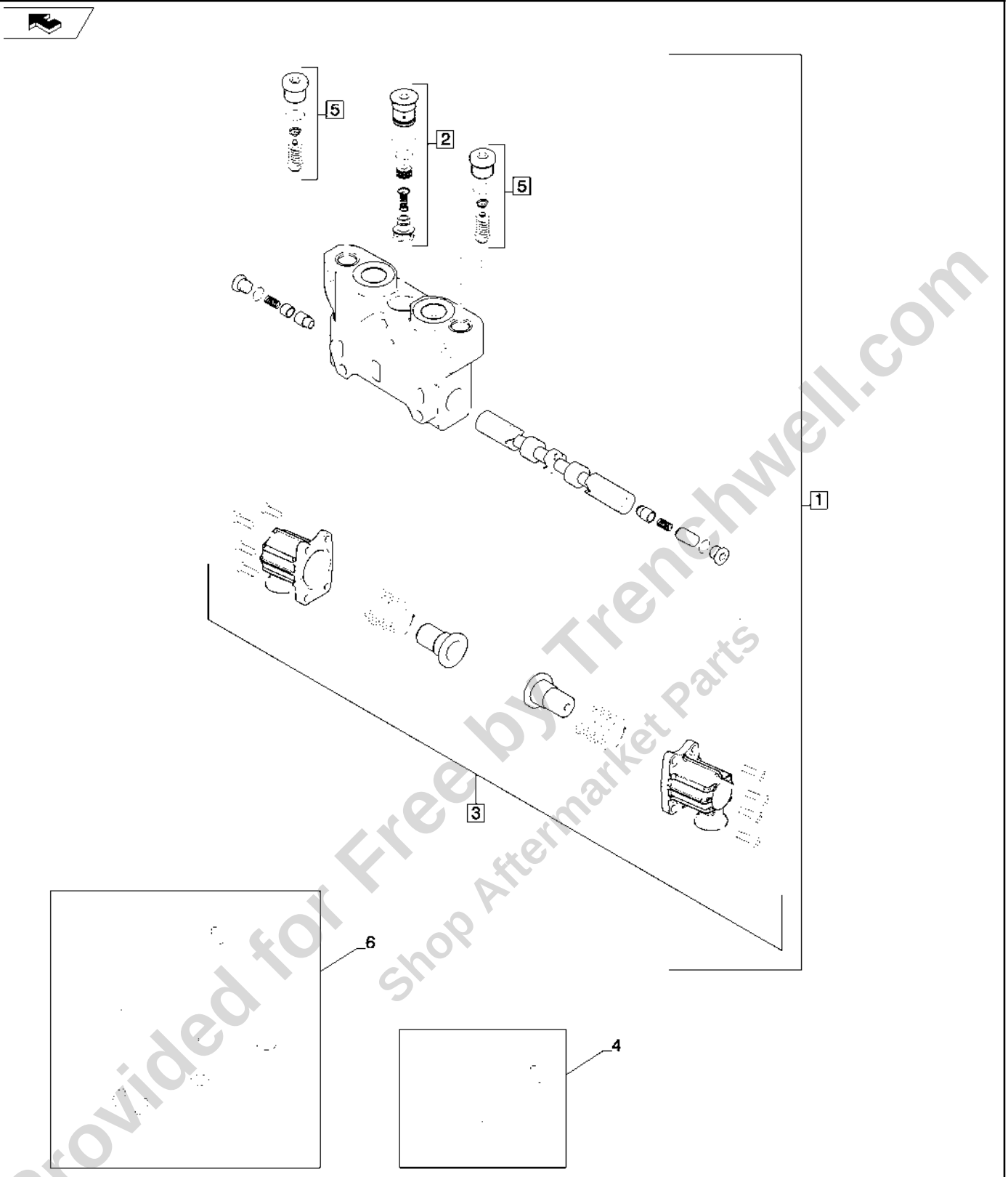
35.150.02		p1	03/11

VALVE SECTION - BACKHOE, BOOM (WITH PILOT CONTROLS)



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VALVE SECTION - BACKHOE, BOOM (WITH PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84278714		1	HYD VALVE SECTION, Boom
2		84157590		1	COMPENSATOR
3		85826344		1	KIT
4		85825473		1	SEAL KIT
5		84295045		1	PRESSURE RELIEF VALVE, 340 BAR
5		84295048		1	PRESSURE RELIEF VALVE, 230 BAR
6		87617657		1	O-RING KIT

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580SN WT 580SN
590SN 580N

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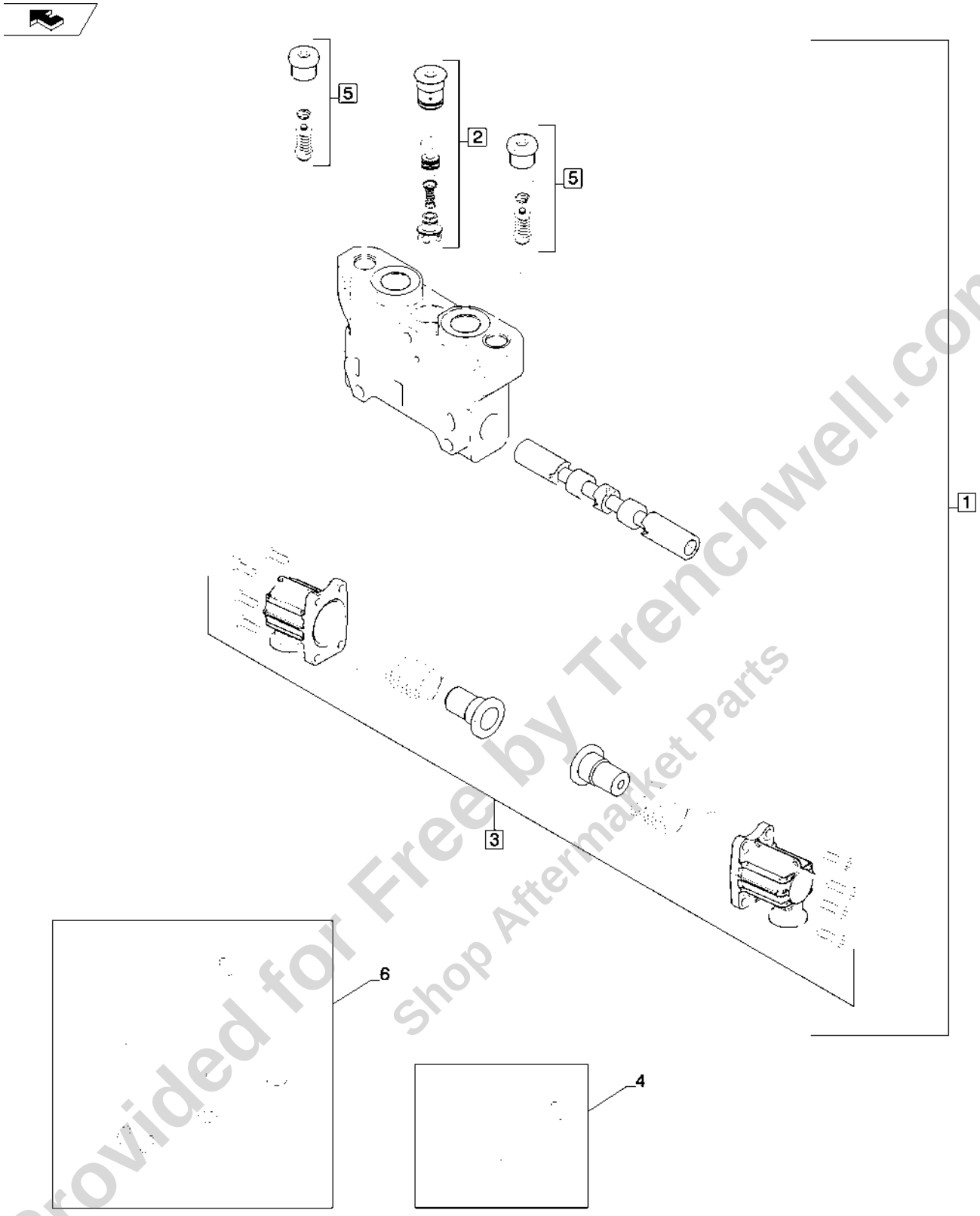
35.150.03		p1	03/11

VALVE SECTION - BACKHOE, BUCKET (WITH PILOT CONTROLS)



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VALVE SECTION - BACKHOE, BUCKET (WITH PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84278702		1	HYD VALVE SECTION, Bucket
2		84157590		1	COMPENSATOR
3		85826344		1	KIT
4		85825473		1	SEAL KIT
5		84295049		1	PRESSURE RELIEF VALVE, 283 BAR
5		84295050		1	PRESSURE RELIEF VALVE, 296 BAR
6		87617657		1	O-RING KIT

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590SN 580N

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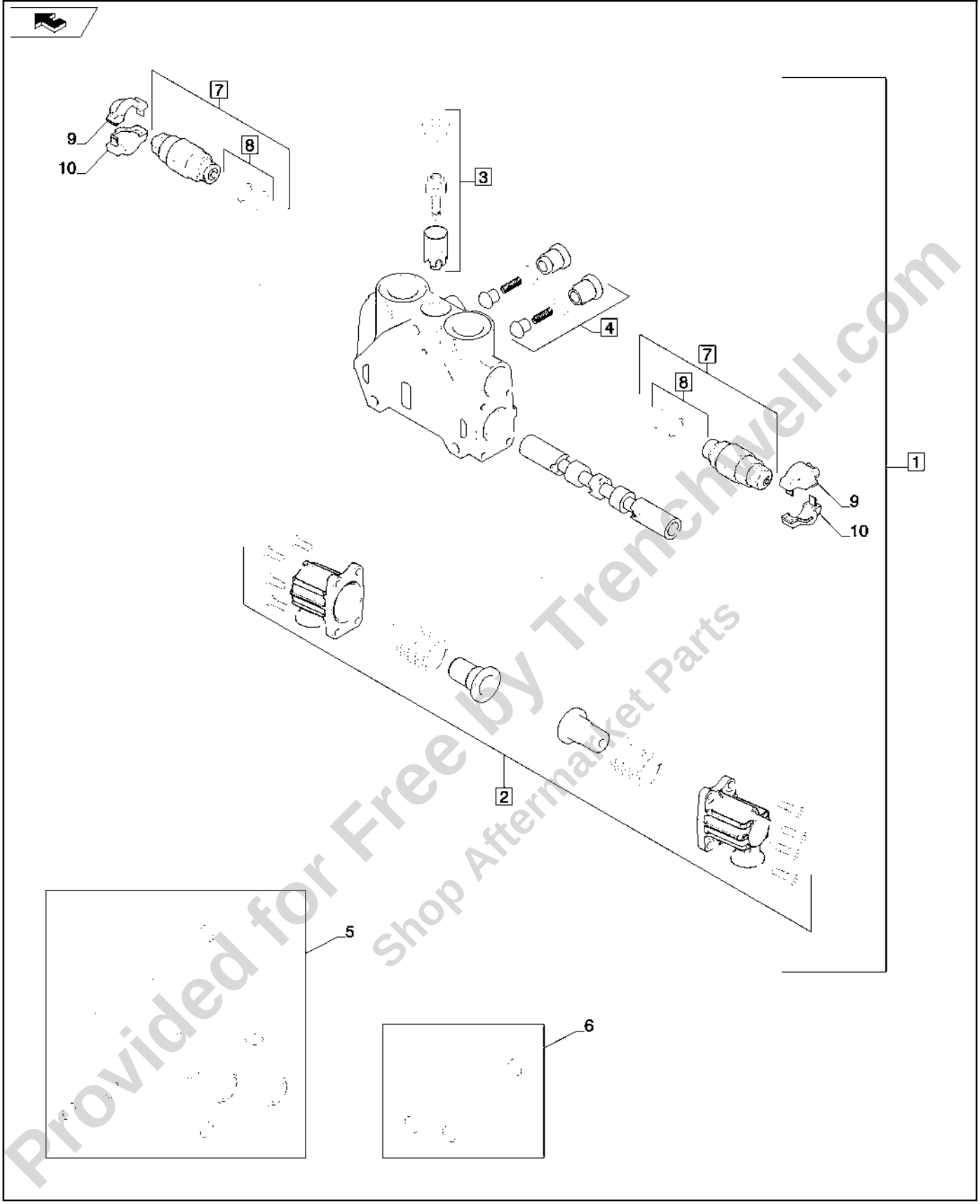
35.150.04		p1	03/11

VALVE SECTION - BACKHOE, BI-DIRECTIONAL



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VALVE SECTION - BACKHOE, BI-DIRECTIONAL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84278691		1	HYD VALVE SECTION
2		85826344		1	KIT
3		85819378		1	KIT
4		85811938		2	KIT, Check Valve
5		85824281		1	SEAL KIT
6		85819148		1	SEAL KIT
7		85812115		2	PRESSURE RELIEF VALVE
8		85811933		2	SEAL KIT
9		85811934		1	COVER, Half, Orange
10		85811935		1	COVER, Half, Blue

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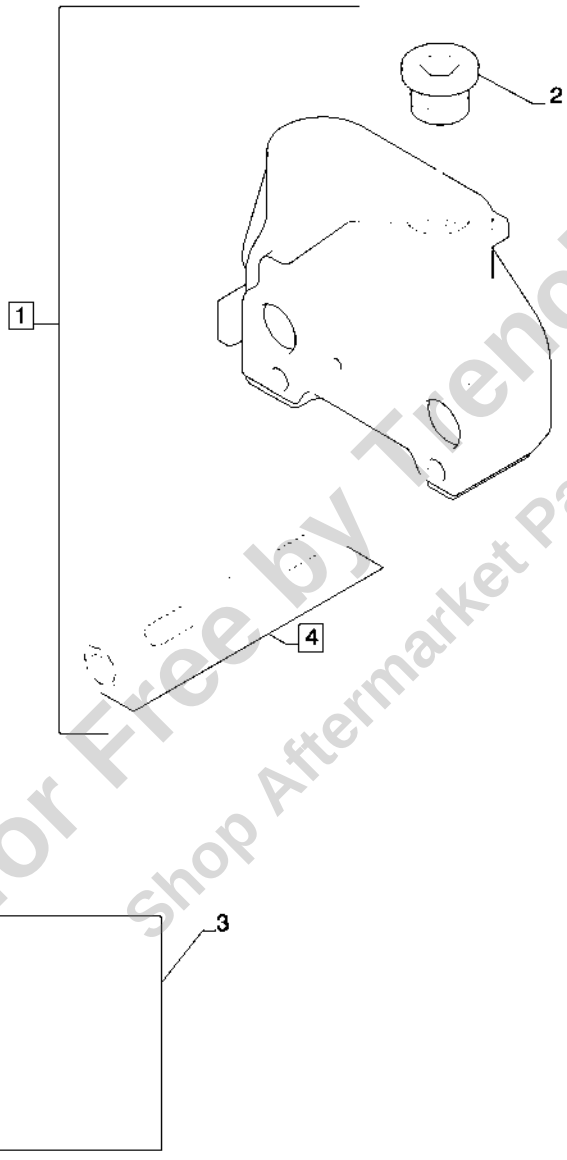
VALVE SECTION - BACKHOE, OUTLET



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VALVE SECTION - BACKHOE, OUTLET

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		85811915		1	HYD VALVE SECTION, Outlet
2		85811921		1	PLUG
3		85825473		1	SEAL KIT
4		NS		1	NOT SERVICED

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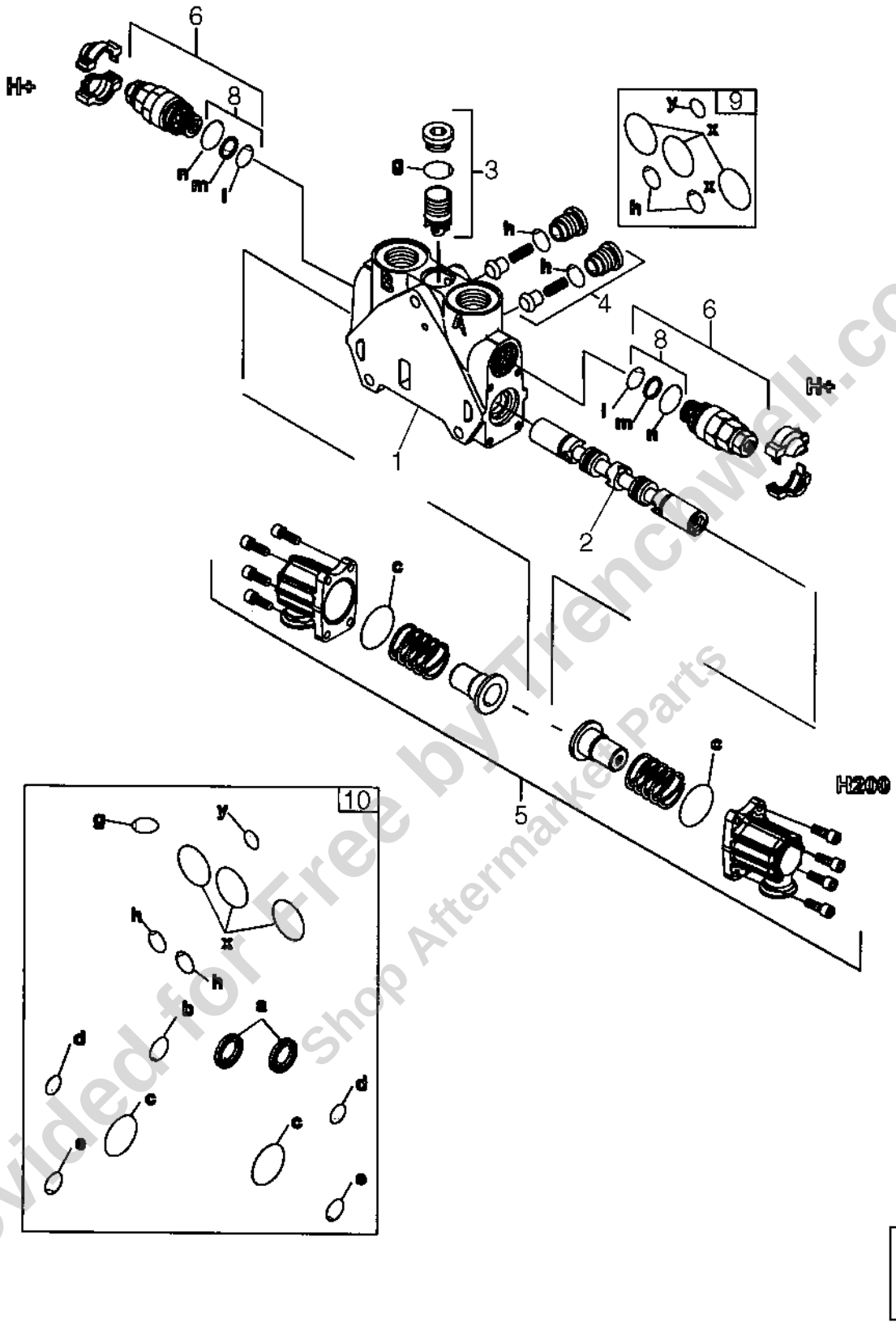
35.150.06	02	p1	03/11

VALVE SECTION - BACKHOE, SWING (WITH PILOT CONTROLS)



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VALVE SECTION - BACKHOE, SWING (WITH PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87751023		1	HYD VALVE SECTION, Swing; Incl. Ref 1 - 10
1		NSS		1	NOT SERVICED SEPARATELY, HOUSING
2		NSS		1	NOT SERVICED SEPARATELY, SPOOL
3		85826345		1	KIT, Pressure Compensator; Component Parts Not Serviced Separately
4		85811938		2	KIT, Check Valve, Component Parts Not Serviced Separately
5		85826344		1	KIT, End Cap; Component Parts Not Serviced Separately
6		85812114		2	HYDRAULIC VALVE, Pressure Relief; Some Component Parts Not Serviced Separately; Serviceable Includes 85811933, Ref 8 Kit
8		85811933		2	SEAL KIT, Includes (2) O-Rings, (1) Thrust Ring; Component Parts Not Serviced Separately
9		85819148		1	SEAL KIT, Includes (6) O-Rings; Component Parts Not Serviced Separately
10		85824281		1	SEAL KIT, Includes (14) O-Rings, (2) Lip Seals; Component Parts Not Serviced Separately

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580SN WT 580SN
590SN 580N

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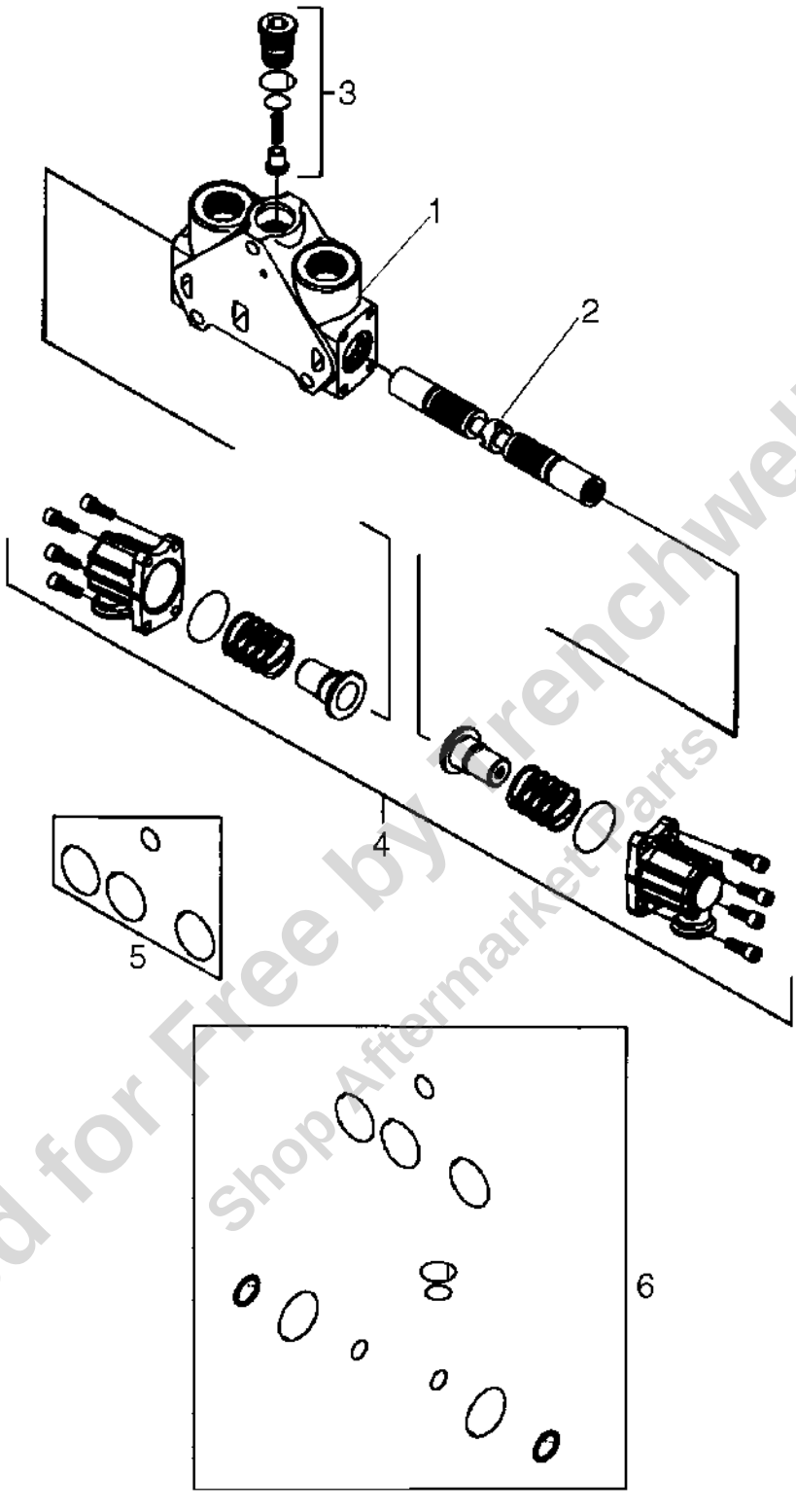
35.150.08	01	p1	03/11

VALVE SECTION - BACKHOE, STABILIZER (WITH PILOT CONTROLS)



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VALVE SECTION - BACKHOE, STABILIZER (WITH PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84157939		2	HYD VALVE SECTION, Stabilizer; Left-Hand and Right-Hand; Without Flow Sharing to Provide Open Center Performance; Incl. Ref 1 - 6
1		NSS		1	NOT SERVICED SEPARATELY, HOUSING
2		NSS		1	NOT SERVICED SEPARATELY, SPOOL
3		84157941		1	COMPENSATOR, Component Parts Not Serviced Separately
4		85826344		1	KIT, End Cap; Component Parts Not Serviced Separately
5		85825473		1	SEAL KIT, Includes (4) O-Rings; Component Parts Not Serviced Separately
6		87617657		1	O-RING KIT, Includes (12) Seals; Component Parts Not Serviced Separately

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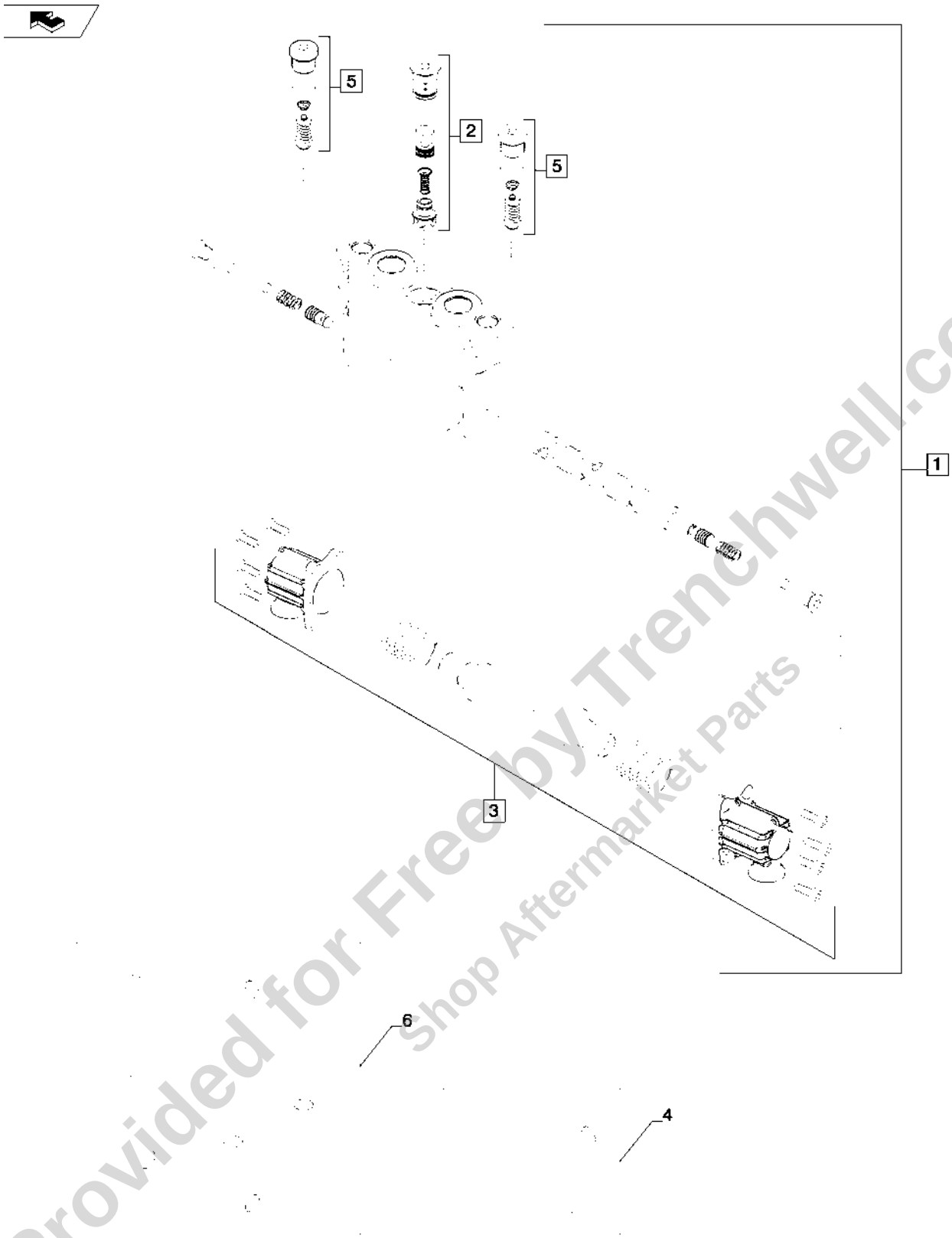
VALVE SECTION - BACKHOE, DIPPER (WITH PILOT CONTROLS)



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VALVE SECTION - BACKHOE, DIPPER (WITH PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84278710		1	HYD VALVE SECTION, Dipper
2		84157590		1	COMPENSATOR
3		85826344		1	KIT
4		85825473		1	SEAL KIT
5		84295049		2	PRESSURE RELIEF VALVE
6		87617657		1	O-RING KIT

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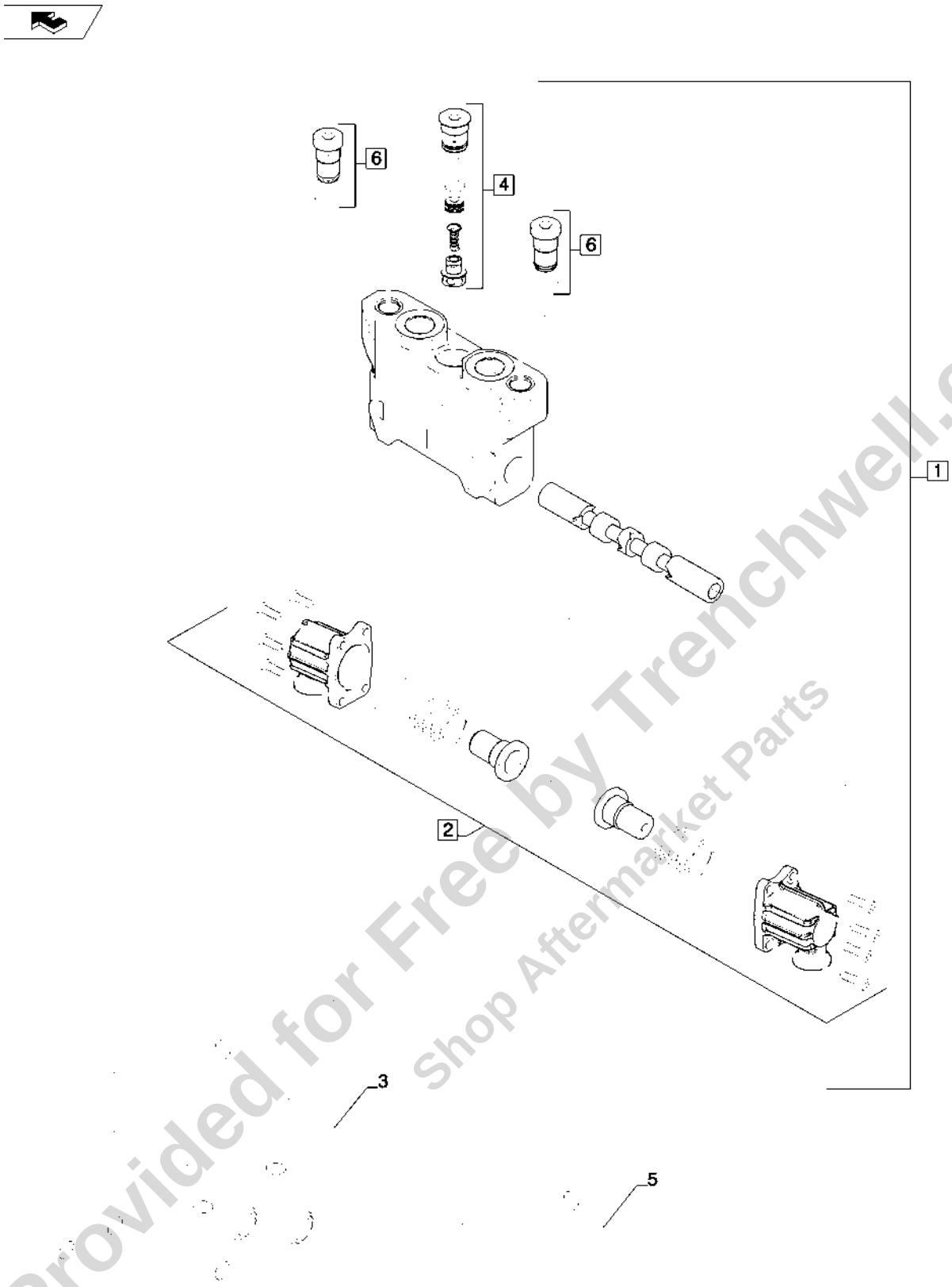
VALVE SECTION - BACKHOE, EXTENDABLE BOOM (WITH PILOT CONTROLS)



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VALVE SECTION - BACKHOE, EXTENDABLE BOOM (WITH PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84278692		1	HYD VALVE SECTION, Extendable dipper
2		85826344		1	KIT
3		87617657		1	O-RING KIT
4		84157590		1	COMPENSATOR
5		85825473		1	SEAL KIT
6		84232746		2	PLUG

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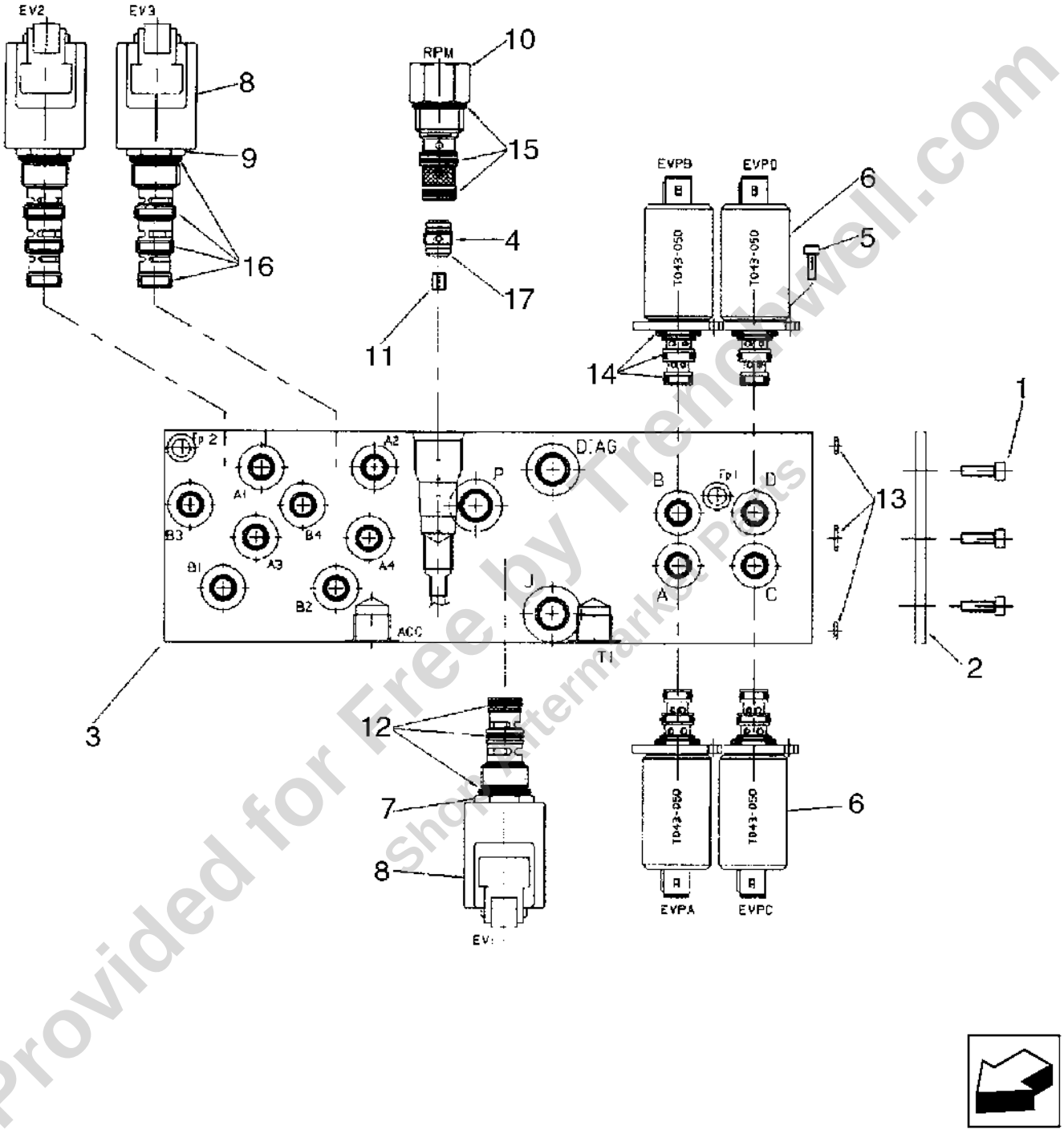
35.150.14	01	p1	09/10

HYDRAULICS - VALVE, PRESSURE REDUCING (2 SPOOL) (WITH PILOT CONTROLS)



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HYDRAULICS - VALVE, PRESSURE REDUCING (2 SPOOL) (WITH PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		85827472		1	HYDRAULIC VALVE
2		85827991		1	PLATE, Sealing
3		85828013		1	BLOCK, Manifold
4		85827992		1	CHECK VALVE, Incl. 17
5		14302921		8	BOLT, Hex, M4 x 10, 8.8, Full Thd
6		85827993		4	SOLENOID VALVE, Pressure Reducing; Incl. 14
7		85827994		1	SOLENOID VALVE, Cartridge, 3 Way, 2 Position; Incl. Ref 8, 12
8		85827995		3	COIL, With Diode
9		85827996		2	SOLENOID VALVE, Cartridge, 4 Way, 2 Position; Incl. Ref 8, 16
10		85827997		1	VALVE, Mechanical Pressure Reducing, With Fixed Setting; Incl. 15
11		85828005		1	ORIFICE, 1.8 mm
12		85827998		1	SEAL KIT
13		85827999		1	SEAL KIT
14		85828000		4	SEAL KIT
15		85828001		1	SEAL KIT
16		85828002		2	SEAL KIT
17		85828003		1	O-RING, 9mm ID x 1mm Width
18		14304021		3	SCREW, Hex Soc Hd, M5 x 10, 8.8

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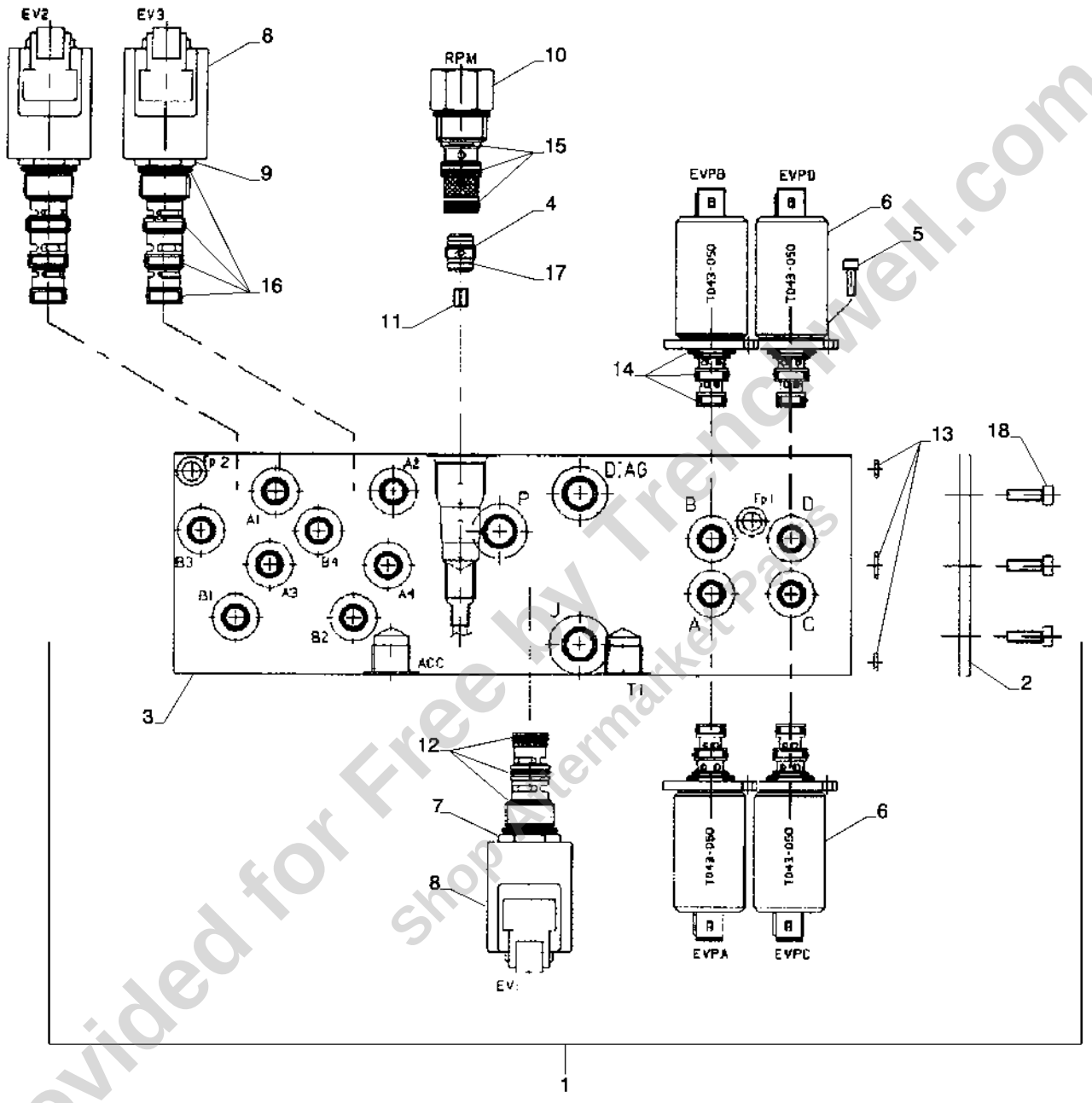
HYDRAULICS - VALVE, PRESSURE REDUCING (3 SPOOL) (WITH PILOT CONTROLS)



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HYDRAULICS - VALVE, PRESSURE REDUCING (3 SPOOL) (WITH PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		85827471		1	HYDRAULIC VALVE, Pressure Reducing, Three Spool, Pilot Controls; Incl. Ref 1 - 17
2		85828004		1	BODY, One Function Add-On Manifold Block
3		85828015		1	BLOCK, Manifold
4		85827992		1	CHECK VALVE
5		14302921		12	BOLT, Hex, M4 x 10, 8.8, Full Thd
6		85827993		6	SOLENOID VALVE, Pressure Reducing
7		85827994		1	SOLENOID VALVE, Cartridge, 3 Way, 2 Position; Incl. Ref 8, 12
8		85827995		3	COIL, With Diode
9		85827996		2	SOLENOID VALVE, Cartridge, 4 Way, 2 Position; Incl. Ref 8, 16
10		85827997		1	VALVE, Mechanical Pressure Reducing With Fixed Setting
11		85828005		1	ORIFICE, 1.8 mm
12		85827998		1	SEAL KIT, O-Ring Kit
13		85827999		1	SEAL KIT, O-Ring Kit
14		85828000		6	SEAL KIT, O-Ring Kit
15		85828001		1	SEAL KIT, O-Ring Kit
16		85828002		2	SEAL KIT, O-Ring Kit
17		85828003		1	O-RING, 9mm ID x 1mm Width, D9x1
18		14358921		3	SCREW, Hex Soc Hd, M5 x 45, 10.9

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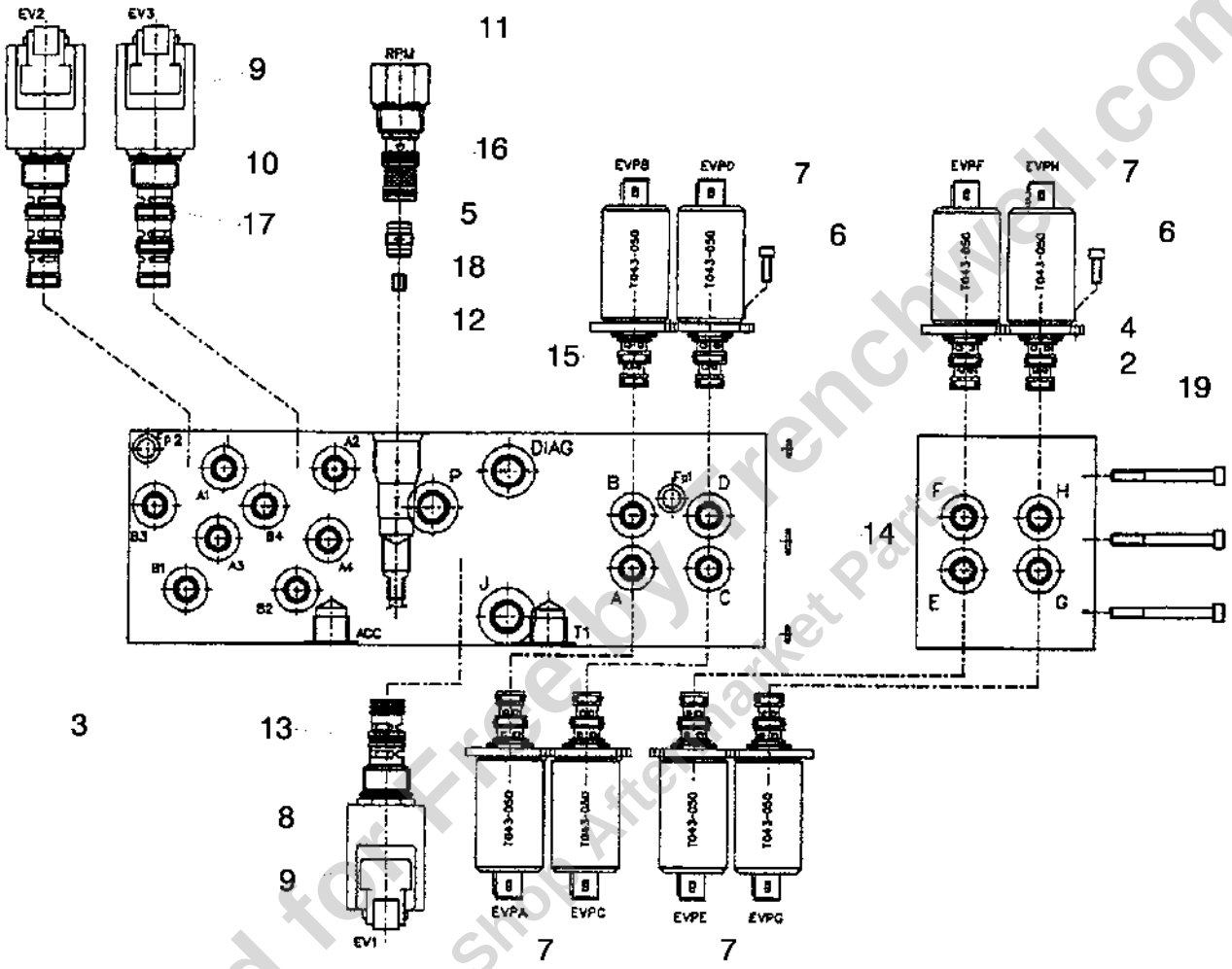
HYDRAULICS - VALVE, PRESSURE REDUCING (4 SPOOL) (WITH PILOT CONTROLS)



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HYDRAULICS - VALVE, PRESSURE REDUCING (4 SPOOL) (WITH PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87434621		1	CONTROL VALVE, Pressure Reducing, Four Spool, Pilot Controls; Inc. Ref 2-19
2		85828048		1	MANIFOLD VALVE
3		85828015		1	BLOCK, Manifold
4		85828054		1	MANIFOLD VALVE
5		85827992		1	CHECK VALVE, Inc. 18
6		14302921		16	BOLT, Hex, M4 x 10, 8.8, Full Thd
7		85827993		8	SOLENOID VALVE, Pressure Reducing; Inc. 15
8		85827994		1	SOLENOID VALVE, Cartridge, 3 Way, 2 Position; Inc. Ref 9, 13
9		85827995		3	COIL, With Diode
10		85827996		2	SOLENOID VALVE, Cartridge, 4 Way, 2 Position; Inc. Ref 9, 17
11		85827997		1	VALVE, Mechanical Pressure Reducing, With Fixed Setting; Inc. 16
12		85828005		1	ORIFICE, 1.8 mm
13		85827998		1	SEAL KIT
14		85827999		1	SEAL KIT
15		85828000		8	SEAL KIT
16		85828001		1	SEAL KIT
17		85828002		2	SEAL KIT
18		85828003		1	O-RING, 9mm ID x 1mm Width, D9 x 1
19		85828061		3	SCREW, M5 x 80

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HYDRAULICS - VALVE, JOYSTICK (PILOT CONTROLS) (LEFT-HAND) WITH HORN & UNI-DIRECTIONAL BUTTONS

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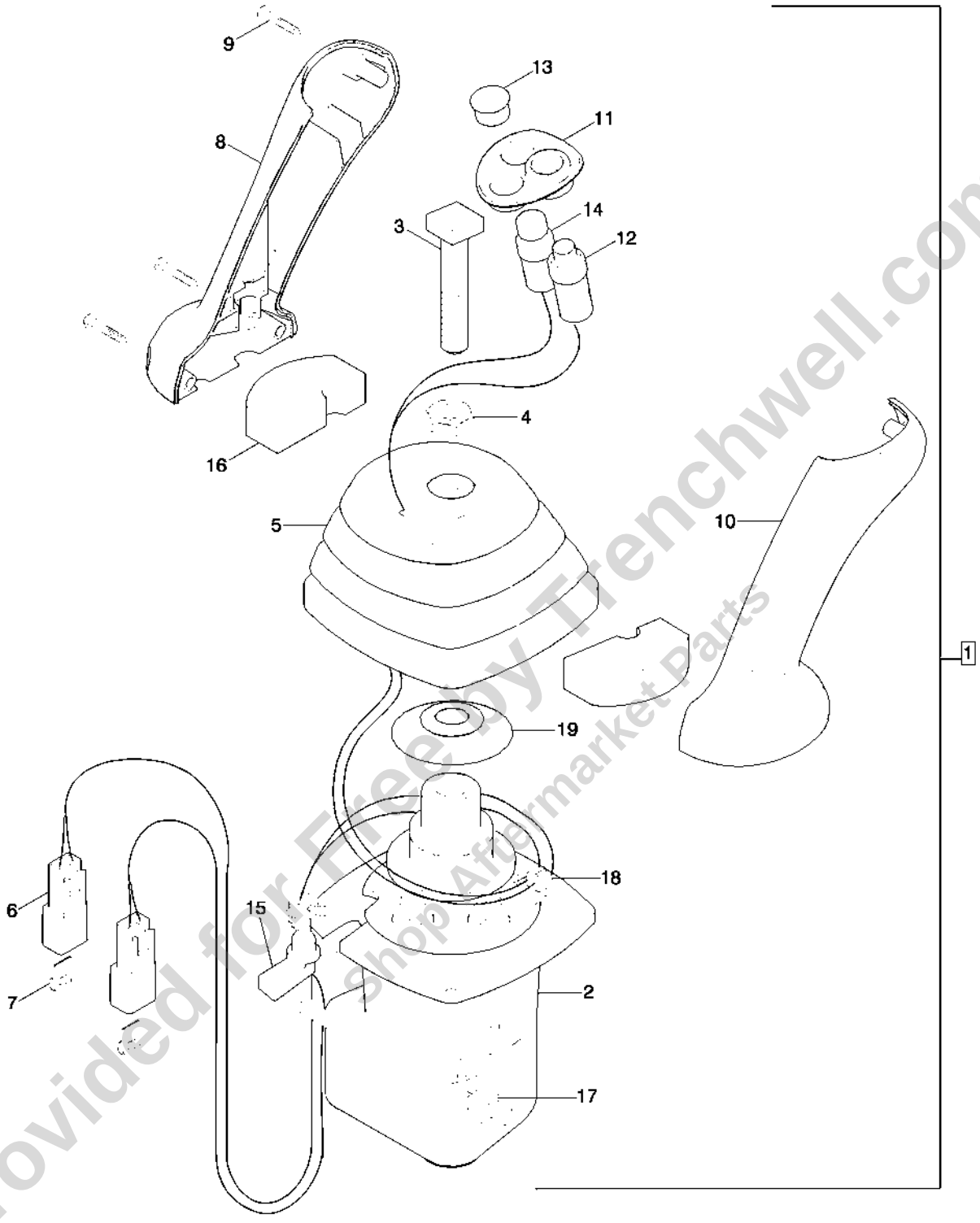

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HYDRAULICS - VALVE, JOYSTICK (PILOT CONTROLS) (LEFT-HAND) WITH HORN & UNI-DIRECTIONAL BUTTONS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87685953		1	JOYSTICK
2		87687141		1	PILOT VALVE
3		87428023		1	BOLT
4		87037944		1	NUT, Thin, M12 x 1.75, Cl 05
5		87443721		1	BOOT
6		225315C1		2	ELEC CONNECTOR, Male, 2 Pin
7		225318C1		2	ELEC CONNECTOR, 2 Pin
8		87308838		1	HANDLE GRIP
9		15687475		3	SELF-TAP SCREW, Pan Hd, M3.5 x 25, Stainless
10		87308839		1	HANDLE GRIP
11		87435243		1	BEZEL
12		87437372		1	SWITCH ASSY
13		86625128		1	PLUG, Dome, .562" hole, Nylon
		84412151		1	SERVICE KIT, Uni-Aux Pilot Switch; Incl. Ref 14, 6 (Qty. 1), 7 (Qty. 1)
14		87437373		1	SWITCH ASSY
15		87424267		1	GROMMET
16		87435506		2	SEAL
17		L18331		1	CABLE STRAP
18		L11541		3	CABLE STRAP
19		87436225		1	RETAINER

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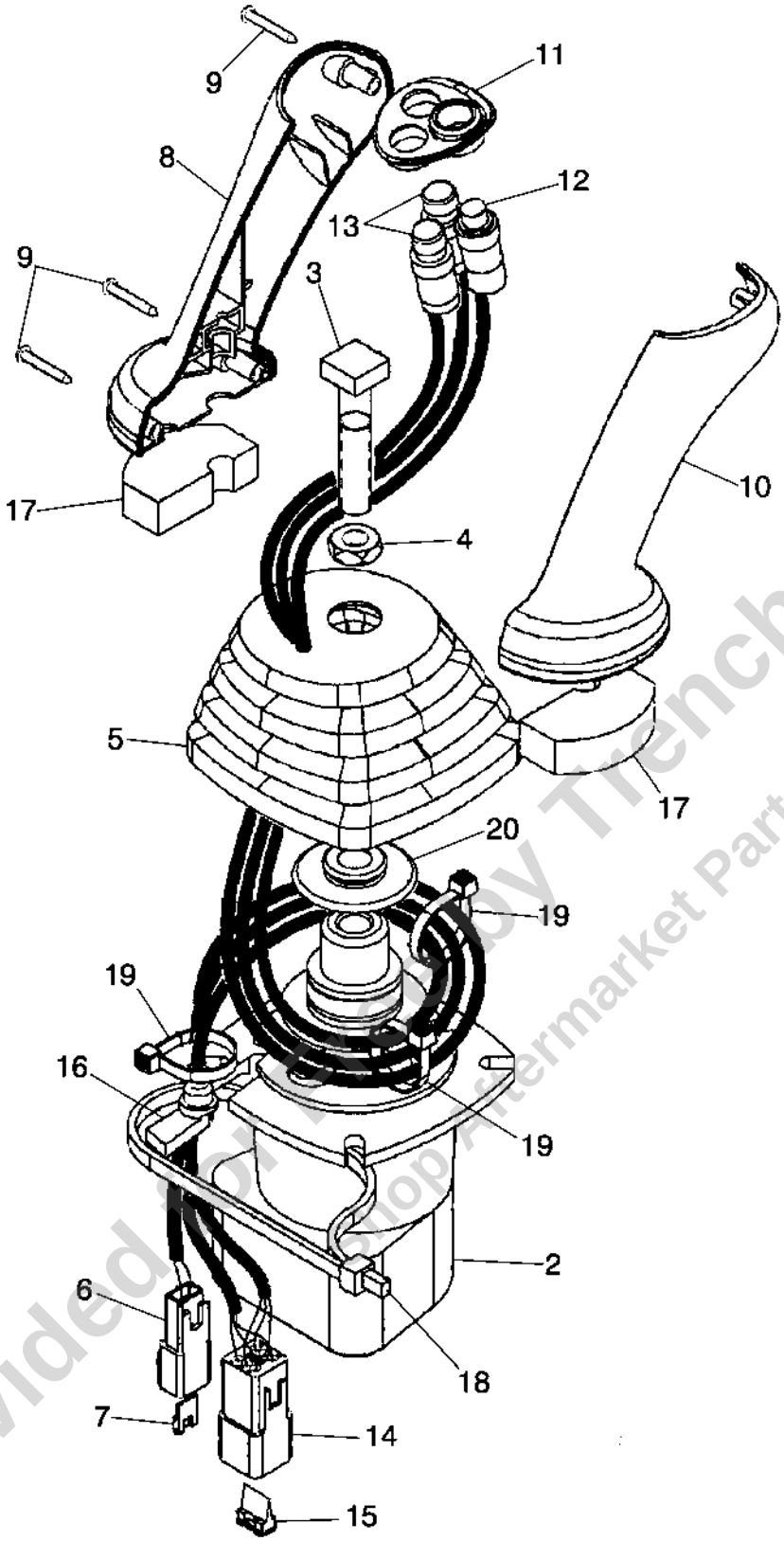
35.150.15	02	p1	10/11

HYDRAULICS - VALVE, JOYSTICK (PILOT CONTROLS) (LEFT-HAND) WITH HORN & BI-DIRECTIONAL BUTTONS



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HYDRAULICS - VALVE, JOYSTICK (PILOT CONTROLS) (LEFT-HAND) WITH HORN & BI-DIRECTIONAL BUTTONS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87685952		1	JOYSTICK, Pilot Controls, LH; With Horn and Bi-Directional Buttons; Inc. Ref 2-20; Part Number Stamped On Valve Base
2		87687141		1	PILOT VALVE, Includes 87473380, 87586772, 87586773
3		87428023		1	BOLT, Square Head
4		87037944		1	NUT, Thin, M12 x 1.75, Cl 05
5		87443721		1	BOOT, Control Handle
6		225315C1		1	ELEC CONNECTOR, Male, 2 Pin
7		225318C1		1	ELEC CONNECTOR, 2 Pin, Connector
8		87308838		1	HANDLE GRIP, Joystick Control
9		15687475		3	SELF-TAP SCREW, Pan Hd, M3.5 x 25, Stainless
10		87308839		1	HANDLE GRIP, Joystick Control
11		87435243		1	BEZEL, Switch Mounting
12		87437372		1	SWITCH ASSY, Push Button Horn
		84492790		1	SERVICE KIT, Dual Aux Pilot Std.; Incl. Ref. 13, 14, 15; Also Incl. Fig. 35.726.17(03) Ref. 3, 10.
13		84134639		2	SWITCH, Push Button Bi-Directional Auxiliary Hydraulic
14		225350C1		1	ELEC CONNECTOR, Male, 6 Pin
15		225353C1		1	WEDGE, Connector
16		87424267		1	GROMMET, Wire
17		87435506		2	SEAL, Pilot Control Handle, Lower
18		87438046		1	CABLE STRAP
19		87000312		3	CABLE STRAP, Black
20		87436225		1	RETAINER, Control Boot
21		87473380		4	GUIDE, Plunger Assy (Not Shown)
22		87586772		4	REGULATOR, Spring (Not Shown)
23		87586773		1	KIT, Set of 4 Return Springs

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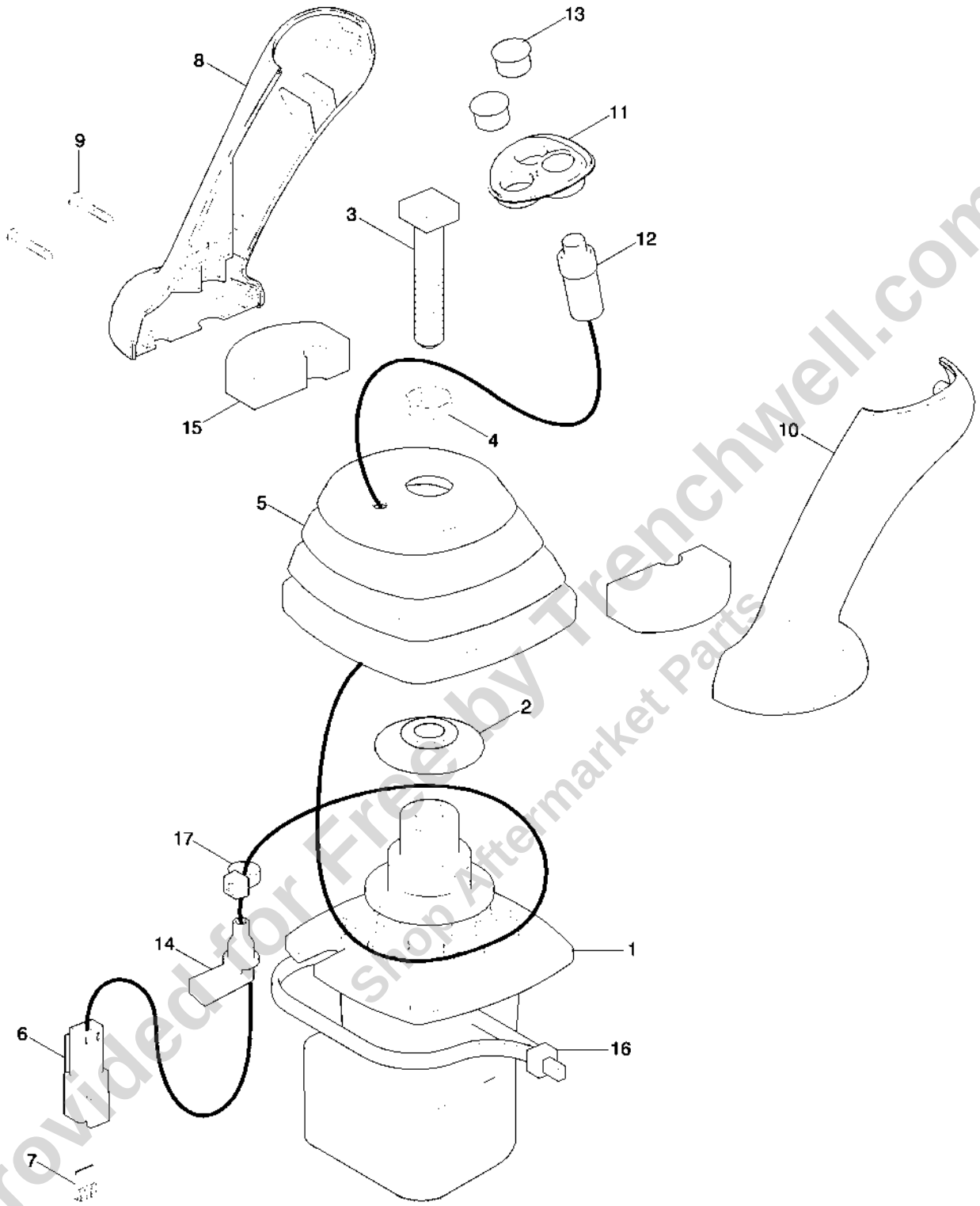
HYDRAULICS - VALVE, JOYSTICK (PILOT CONTROLS) (LEFT-HAND) WITH HORN



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HYDRAULICS - VALVE, JOYSTICK (PILOT CONTROLS) (LEFT-HAND) WITH HORN

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87687141		1	PILOT VALVE
2		87436225		1	RETAINER
3		87428023		1	BOLT
4		87037944		1	NUT, Thin, M12 x 1.75, Cl 05
5		87443721		1	BOOT
6		225315C1		1	ELEC CONNECTOR, Male, 2 Pin
7		225318C1		1	ELEC CONNECTOR, 2 Pin
8		87308838		1	HANDLE GRIP
9		15687475		3	SELF-TAP SCREW, Pan Hd, M3.5 x 25, Stainless
10		87308839		1	HANDLE GRIP
11		87435243		1	BEZEL
12		87437372		1	SWITCH ASSY
13		86625128		2	PLUG, Dome, .562" hole, Nylon
14		87424267		1	GROMMET
15		87435506		2	SEAL
16		87438046		1	CABLE STRAP
17		87000312		1	CABLE STRAP
18		87586776		1	HANDLE, Inc. 2-17 (Not Shown)

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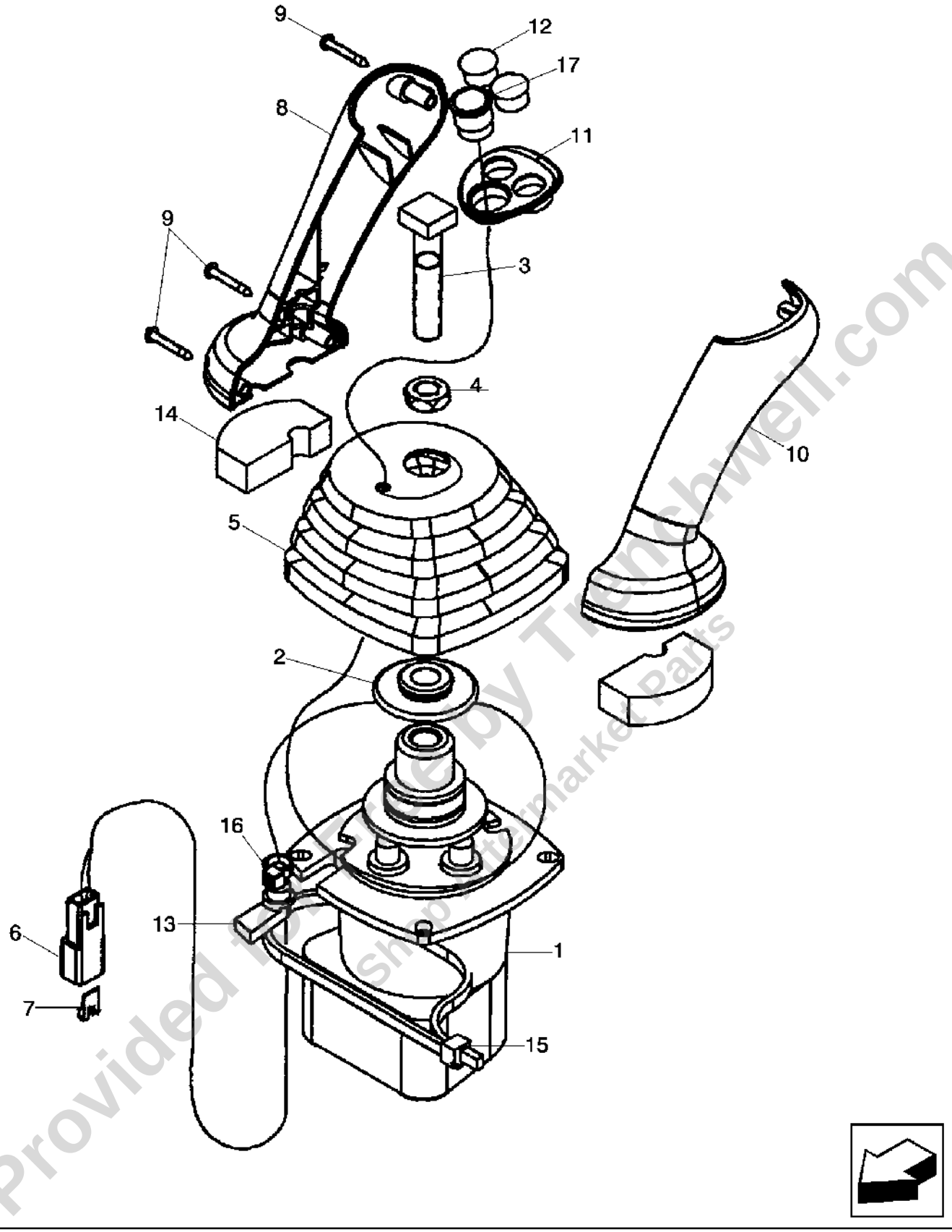
VALVE, JOYSTICK (PILOT CONTROLS) (RIGHT-HAND) WITHOUT EXTENDABLE DIPPER



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VALVE, JOYSTICK (PILOT CONTROLS) (RIGHT-HAND) WITHOUT EXTENDABLE DIPPER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87685956		1	JOYSTICK, Pilot Controls, RH; Without Extendable Dipper; Incl. Ref 1 - 17
1		87687141		1	PILOT VALVE, Includes 87473380, 87586772, 87586773
		87473380		4	GUIDE, Plunger Assy
		87586772		4	REGULATOR, Spring
		87586773		1	KIT, Set of 4 Return Springs
2		87436225		1	RETAINER, Control Boot
3		87428023		1	BOLT, Square Head
4		87037944		1	NUT, Thin, M12 x 1.75, Cl 05
5		87443721		1	BOOT, Joystick Control
6		225315C1		1	ELEC CONNECTOR, Male, 2 Pin
7		225318C1		1	ELEC CONNECTOR, 2 Pin
8		87308838		1	HANDLE GRIP, Joystick Control
9		15687475		3	SELF-TAP SCREW, Pan Hd, M3.5 x 25, Stainless
10		87308839		1	HANDLE GRIP, Joystick Control
11		87547309		1	BEZEL, Switch Mounting
12		86625128		2	PLUG, Dome, .562" hole, Nylon
13		87424267		1	GROMMET, Wire
14		87435506		2	SEAL, Pilot Control Handle, Lower
15		87438046		1	CABLE STRAP
16		87000312		1	CABLE STRAP, Black, 10 mm
17		87546922		1	SWITCH ASSY, Pushbutton; One Touch Decelerator

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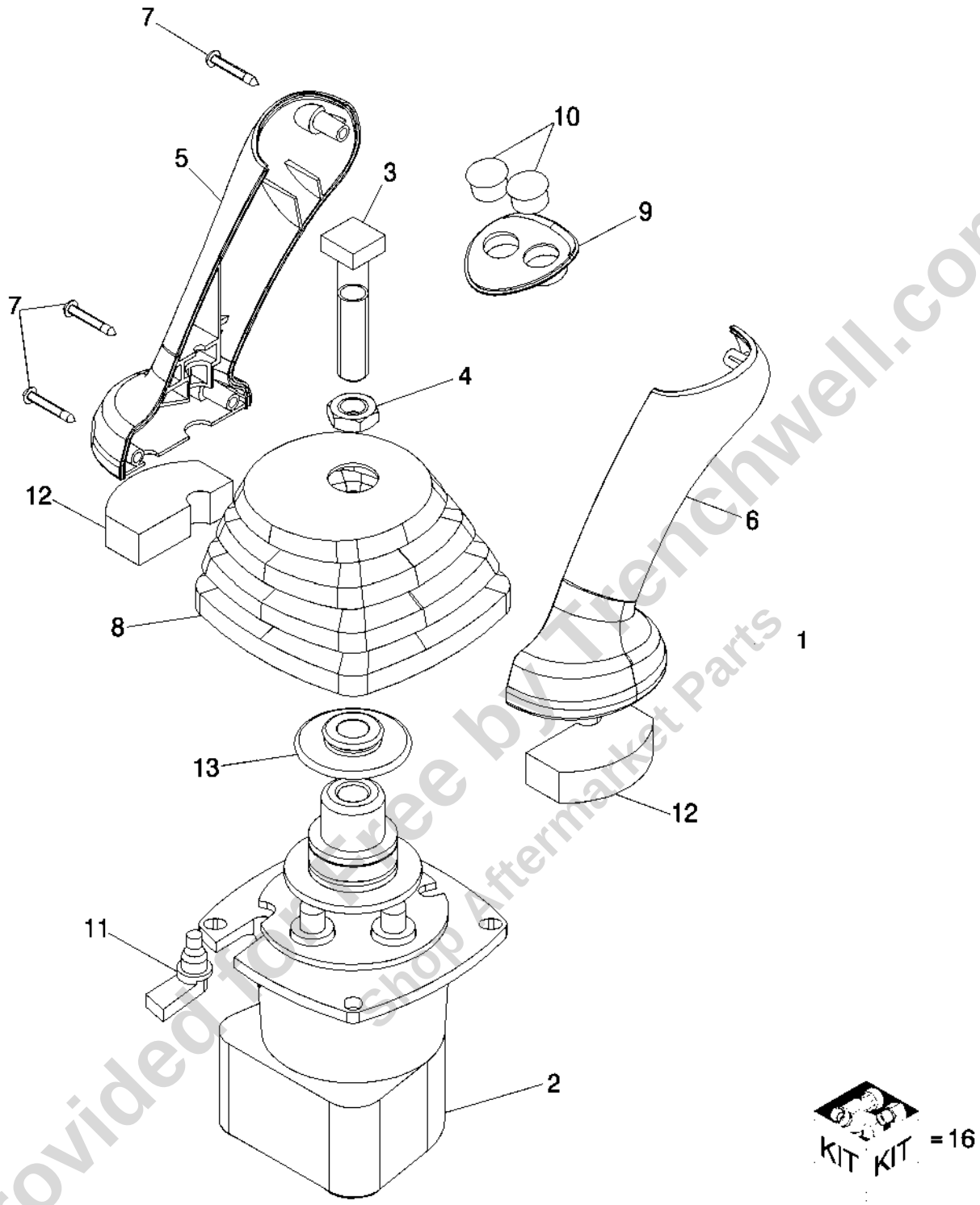
35.150.16	02	p1	07/11

HYDRAULICS - VALVE, JOYSTICK (PILOT CONTROLS) (RIGHT-HAND) WITHOUT EXTENDABLE DIPPER, 7 SPOOL



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HYDRAULICS - VALVE, JOYSTICK (PILOT CONTROLS) (RIGHT-HAND) WITHOUT EXTENDABLE DIPPER, 7 SPOOL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87685954		1	JOYSTICK, Pilot Controls, RH; Without Extendable Dipper; Includes 87687141 Base Valve; Incl. Ref 1B, 2 - 12; Part Number Stamped On Valve Base; If Used
2		87687141		1	PILOT VALVE, Pilot Control Joystick Valve; Included in 87685954 Joystick Control Valve; If Used; Not Illustrated; Includes 87473380, 87586772, 87586773
3		87428023		1	BOLT, Square Head
4		87037944		1	NUT, Thin, M12 x 1.75, Cl 05
5		87308838		1	HANDLE GRIP, Joystick Control; Replaces 87428164
6		87308839		1	HANDLE GRIP, Joystick Control; Replaces 87428165
7		15687475		3	SELF-TAP SCREW, Pan Hd, M3.5 x 25, Stainless, Replaces 87032819 Black Zinc Plated Screw, Which Is Used In Other Applications
8		87443722		1	BOOT, Joystick Control
9		87435242		1	BEZEL, Switch Mounting
10		86625128		2	PLUG, Dome, .562" hole, Nylon, Replaces 353-405 Plug Which Is Used In Other Applications
11		87451448		1	GROMMET, Wire; Replaces 87424267 Grommet, Which Is Used In Other Applications
12		87435506		2	SEAL, Pilot Control Handle, Lower
13		87436225		1	RETAINER, Control Boot
14		87473380		4	GUIDE, Plunger Assy (Not Shown)
15		87586772		4	REGULATOR, Spring (Not Shown)
16		87586773		1	KIT, Set of 4 Return Springs (Not Shown)

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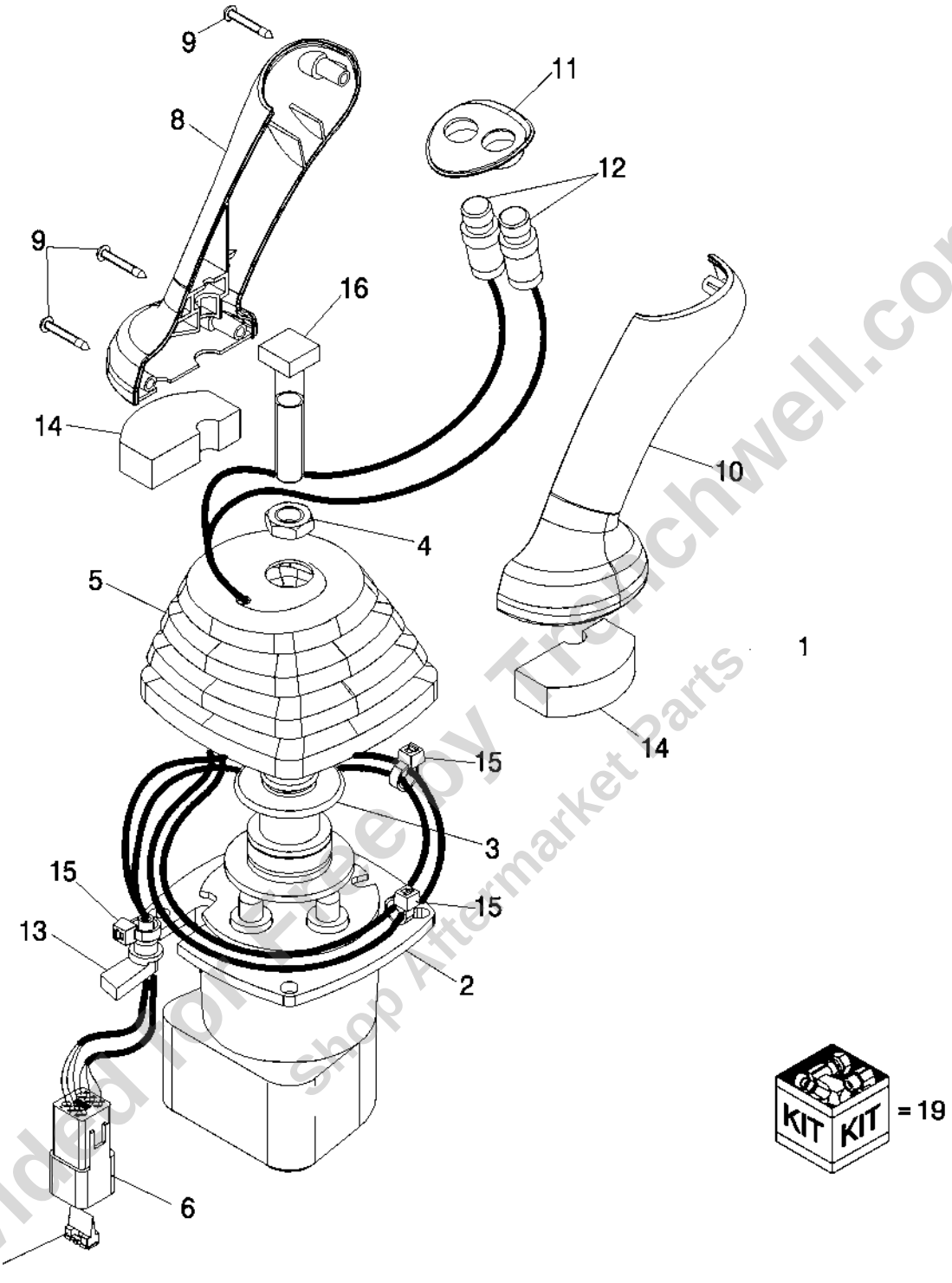
HYDRAULICS - VALVE, JOYSTICK (PILOT CONTROLS) (RIGHT-HAND) WITH EXTENDABLE DIPPER, 8 SPOOL



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HYDRAULICS - VALVE, JOYSTICK (PILOT CONTROLS) (RIGHT-HAND) WITH EXTENDABLE DIPPER, 8 SPOOL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87685955		1	CONTROL VALVE, Joystick, RH; With Extendable Dipper; Includes 87687141 Base Valve; Incl. Ref 1B, 2 - 15; Replaces 87443743, 87308847, 87388705; Part Number Stamped On Valve Base; If Used
2		87687141		1	PILOT VALVE, Pilot Control Joystick Valve; Included in 87685955 Joystick Control Valve; Includes 87473380, 87586772, 87586773; If Used; Not Illustrated
3		87436225		1	RETAINER, Control Boot
4		87037944		1	NUT, Thin, M12 x 1.75, Cl 05
5		87443721		1	BOOT, Joystick Control
6		225350C1		1	ELEC CONNECTOR, Male, 6 Pin
7		225353C1		1	WEDGE, Connector
8		87308838		1	HANDLE GRIP, Joystick Control; Replaces 87428164
9		15687475		3	SELF-TAP SCREW, Pan Hd, M3.5 x 25, Stainless, Replaces 87032819 Black Zinc Plated Screw, Which Is Used In Other Applications
10		87308839		1	HANDLE GRIP, Joystick Control; Replaces 87428165
11		87435242		1	BEZEL, Switch Mounting
12		84134639		2	SWITCH, Push Button Retract and Extendahoe Switches; Replaces 87437371
13		87424267		1	GROMMET, Wire
14		87435506		2	SEAL, Pilot Control Handle, Lower
15		87000312		3	CABLE STRAP, 7-8 Inch Nylon
15		87438046		1	CABLE STRAP, 15 Inch Nylon
16		87428023		1	BOLT, Square Head
17		87473380		4	GUIDE, Plunger Assy
17		87586772		4	REGULATOR, Spring
17		87586773		1	KIT, Set of 4 Return Springs

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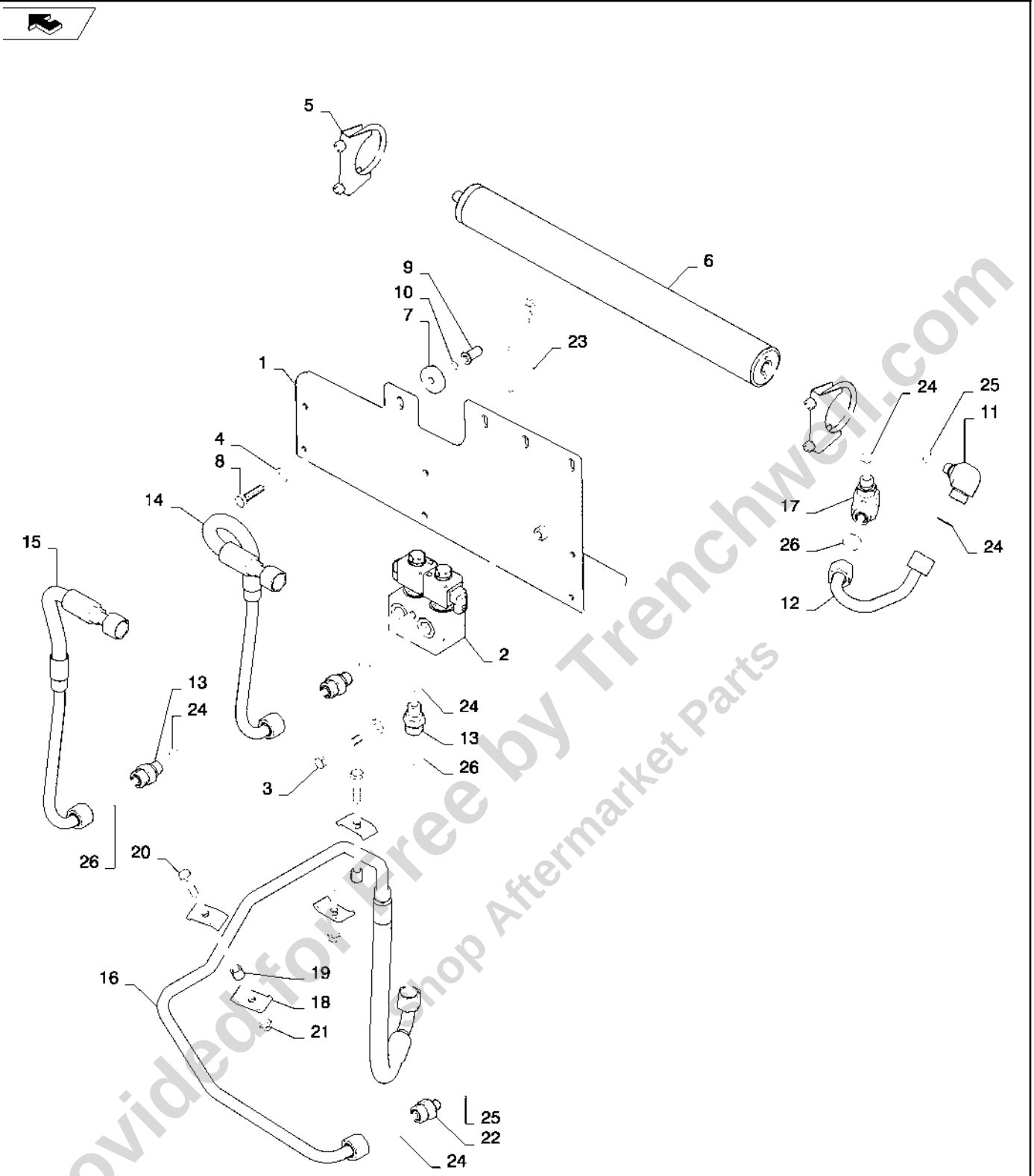
35.350.02		p1	10/11

HYDRAULICS - RIDE CONTROL



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HYDRAULICS - RIDE CONTROL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87421213		1	BRACKET
2		84348784		1	SOLENOID VALVE, Ride Control Valve
3		814-10080		1	BOLT, Hex, M10 x 80, 8.8
4		87655046		3	SPECIAL WASHER
5		A13240		2	CLAMP
6		448284A1		1	ACCUMULATOR, Ride Control Accumulator
7		87423067		2	SPACER
8		614-10040		2	BOLT, Hex, M10 x 40, 8.8, Full Thd
9		87417721		2	THREADED INSERT
10		238-5011		2	O-RING, 0.301" ID x 0.441" OD x 0.07"
11		201-312		1	ELBOW, 90º, 1"-14 x 9/16"-18, Adj, ORFS
12		84232491		1	HYD. TUBE, Ride Control to Accumulator
13		201-115		3	HYD CONNECTOR, 1"-14 ORFS x 3/4"-16 ORB
14		84290480		1	HYD. TUBE, Ride Control P2 Port
15		84290490		1	HYD. TUBE, Ride Control P1 Port
16		84291884		1	HYD. TUBE, Ride Control T Port
17		201-343		1	ELBOW, 90º, 1"-14 x 3/4"-16, Adj, ORFS
18		D138055		4	CLAMP
19		120303A1		2	SPACER
20		814-10045		2	BOLT, Hex, M10 x 45, 8.8
21		829-1410		2	NUT, M10, Cl 10
22		201-132		1	HYD CONNECTOR, 1"-14 ORFS x 7/16"-20 ORB, To Back of Hydraulic Filter
23		L18331		1	CABLE STRAP
24		9992069		6	O-RING, 0.614" ID x 0.754" OD x 0.07"
25		9617873		2	O-RING, 0.468" ID x 0.078" Width
26		128825		4	O-RING, 0.644" ID x 0.087" Width

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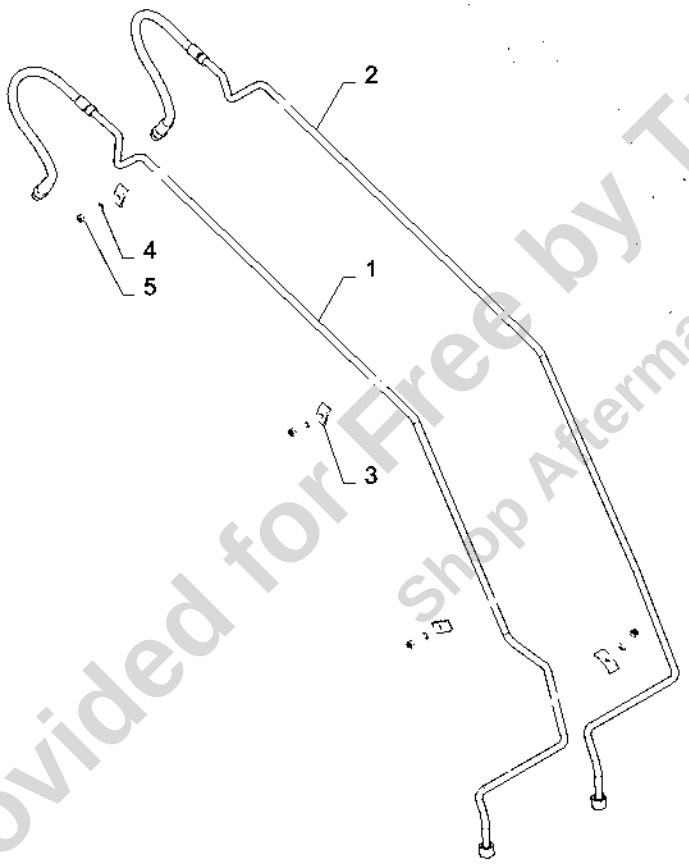
35.701.01	01	p1	07/11

HYDRAULICS - LOADER 4 IN 1



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HYDRAULICS - LOADER 4 IN 1

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84282570		1	HYD. TUBE, 4-in-1 Bucket Aux. Port B
2		84282567		1	HYD. TUBE, 4-in-1 Bucket Aux. Port A
3		D138055		4	CLAMP
4		140028		4	LOCK WASHER, M10
5		86500689		4	NUT, M10, Cl 10

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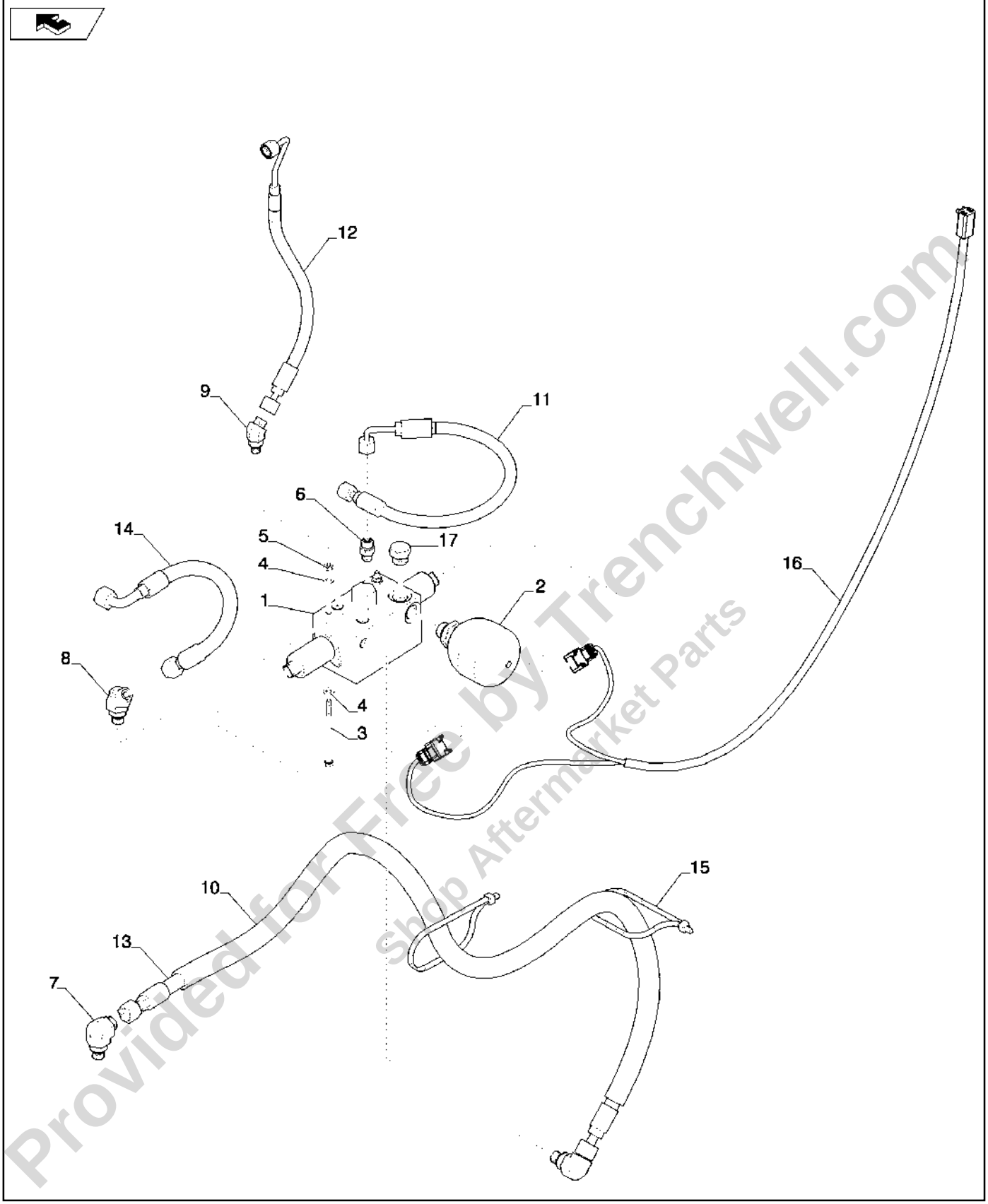
35.701.01	02	p1	07/11

HYDRAULICS - LOADER 4 IN 1



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HYDRAULICS - LOADER 4 IN 1

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87566480		1	VALVE
2		87425225		1	ACCUMULATOR
3		814-6090		2	BOLT, Hex, M6 x 90, 8.8
4		87655041		4	SPECIAL WASHER, Washer
5		829-1406		2	NUT, M6, Cl 10
6		87681202		1	HYD CONNECTOR
7		9840543		2	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
8		201-315		1	ELBOW, 45º, 11/16"-16 x 9/16"-18. Adj, ORFS
9		201-331		1	ELBOW, 45º, 9/16"-18 x 7/16"-20. Adj, ORFS
10		84284222		1	GUARD
11		84256410		1	HOSE ASSY.
12		84260774		1	TUBE
13		84255991		1	HOSE ASSY.
14		84391231		1	HYDRAULIC HOSE
15		L18331		2	CABLE STRAP
16		87651975		1	WIRE HARNESS
17		218-5156		1	PLUG, Hex Hd, 3/4"-16 ORB

580N 580SN WT
590SN 580SN

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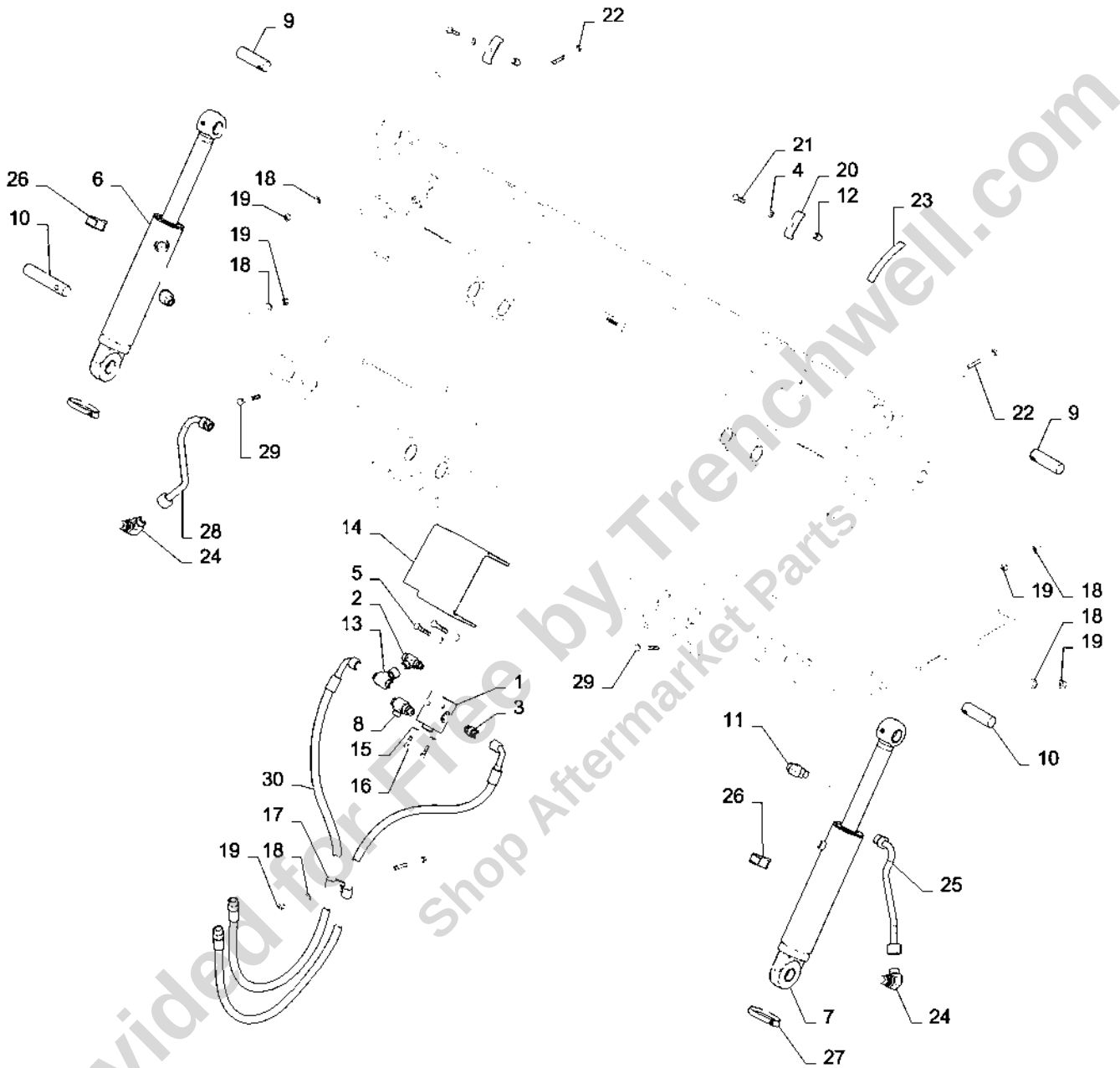
35.701.02	01	p1	05/11

HYDRAULICS - CYLINDER, LOADER BUCKET 4-IN-1



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HYDRAULICS - CYLINDER, LOADER BUCKET 4-IN-1

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		325465A2		1	VALVE, CHECK
2		201-412		1	TEE, 13/16"-16 x 3/4"-16 Run, ORFS
3		201-102		1	HYD CONNECTOR, 13/16"-16 ORFS x 3/4"-16 ORB
4		892-11010		4	LOCK WASHER, M10
5		814-10060		2	BOLT, Hex, M10 x 60, 8.8
6		87454016		1	HYDRAULIC CYLINDER
7		87454017		1	HYDRAULIC CYLINDER
8		84218880		1	RUN TEE
9		D51392		2	PIN
10		D51393		2	PIN
11		201-316		2	ELBOW, 45º, 1"-14 x 7/8"-14. Adj, ORFS
12		R46493		2	SPACER
13		201-411		1	TEE, 13/16"-16 ORFS x 13/16"-16 Sw Br
14		388848A1		1	GUARD
15		892-11008		2	LOCK WASHER, M8
16		614-8025		2	BOLT, Hex, M8 x 25, 8.8
17		515-25254		2	CLAMP, 1", Insul, 1/2" Bolt
18		895-11010		5	WASHER, M10 x 20 x 2
19		832-10410		5	LOCK NUT, M10 x 1.5, Cl 8
20		D143846		2	CLAMP
21		614-10040		2	BOLT, Hex, M10 x 40, 8.8, Full Thd
22		814-10090		2	BOLT, Hex, M10 x 90, 8.8
23		321-1708		1	DECAL
24		201-306		2	ELBOW, 90º, 1"-14 x 7/8"-14 Adj, ORFS
25		84219829		1	HYD. TUBE
26		D38648		2	BLOCK
27		214-1464		2	HOSE CLAMP, #64, 3.56/4.50 Type F Worm
28		84219830		1	HYD. TUBE
29		814-10080		2	BOLT, Hex, M10 x 80, 8.8
30		84272032		2	HOSE ASSY.

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580SN WT 580SN
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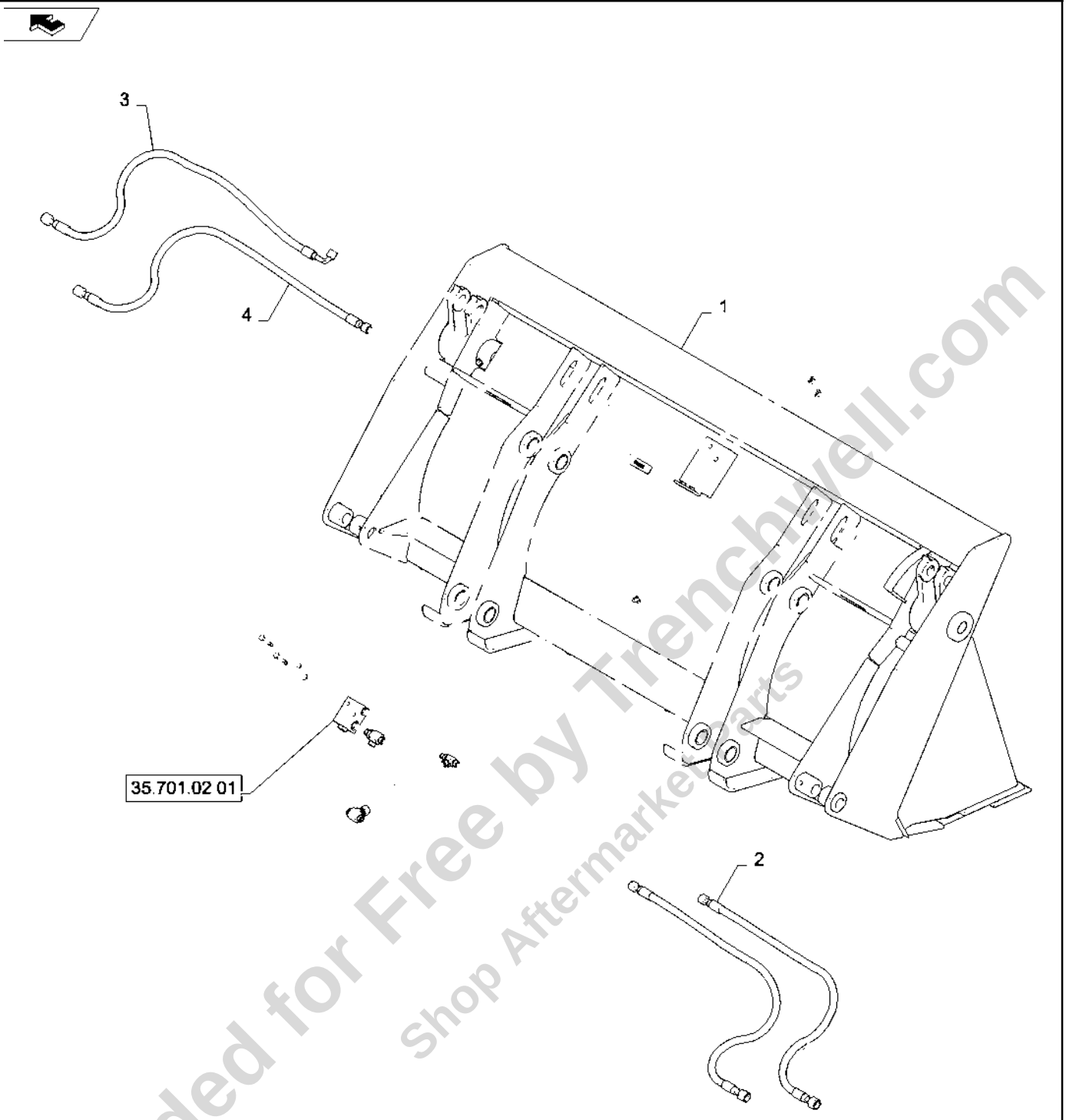
35.701.02	02	p1	05/11

HYDRAULICS - CYLINDER, LOADER BUCKET 4-IN-1



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HYDRAULICS - CYLINDER, LOADER BUCKET 4-IN-1

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		411668A1		1	BUCKET, 82" 4-in-1
2		84219839		2	HOSE ASSY.
3		84219844		1	HOSE ASSY.
4		84219846		1	HOSE ASSY.

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590SN 580N

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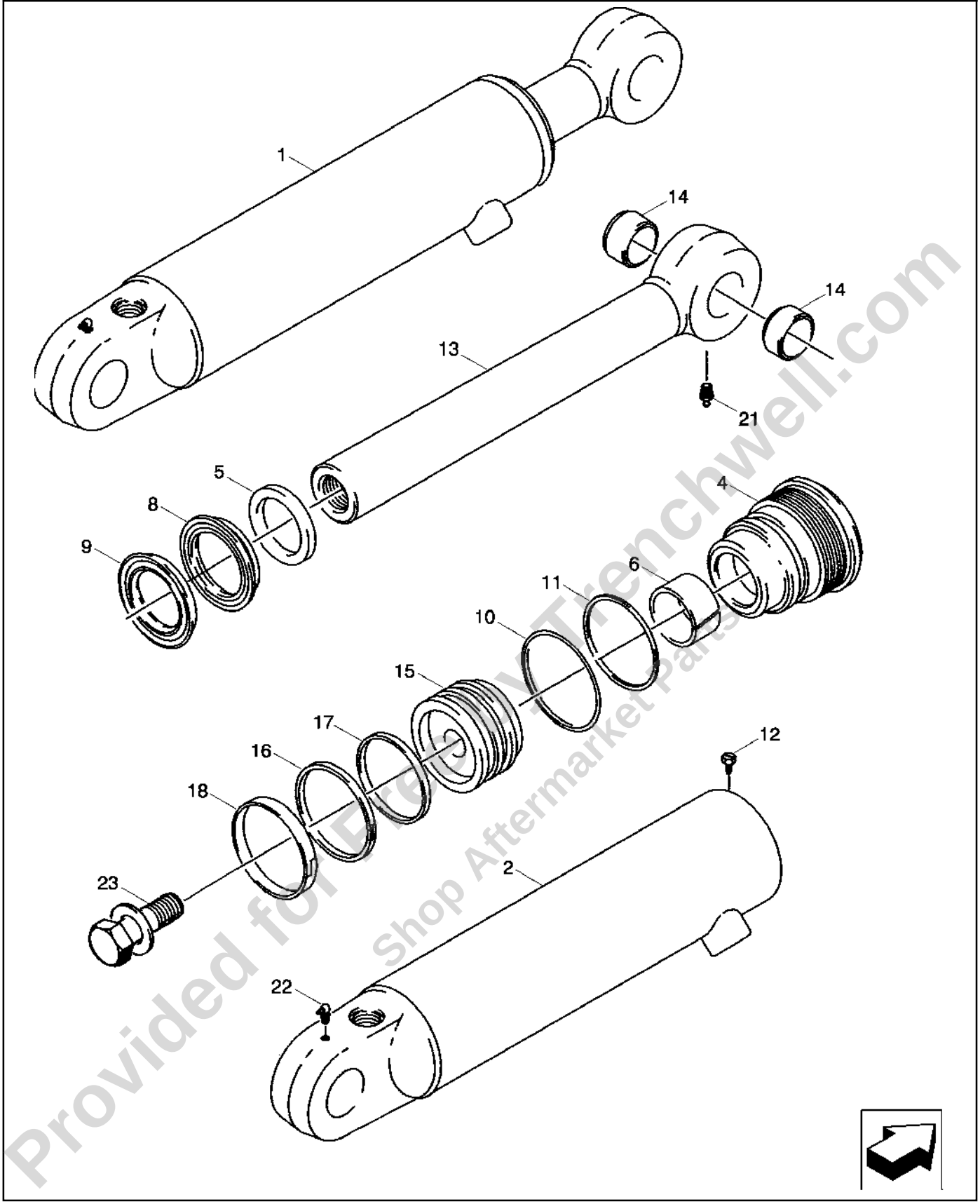
35.701.03		p1	12/10

CYLINDER - LOADER 4-IN-1



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CYLINDER - LOADER 4-IN-1

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87454017		1	HYDRAULIC CYLINDER, 76 ID x 231 mm strk; RH; Incl. Ref 2 - 23
1		87454016		1	HYDRAULIC CYLINDER, 76 ID x 231 mm strk; LH; Incl. Ref 2 - 23
2		87454907		1	BARREL, RH; 87454017 Cylinder; Includes (2) 30634 Bushings; If Used
2		87454908		1	BARREL, LH; 87454016 Cylinder; Includes (2) 30634 Bushings; If Used
4		297281A1		1	GLAND
		1543267C1		1	SEAL KIT, Incl Ref 5 - 11, 16 - 18
5		D95143		1	SEAL
6		G102425		1	BUSHING
		1542875C1		1	SEAL KIT, Rod and Buffer; Incl Ref 8, 9; Not Serviced Separately; Order 1543267C1 Seal Kit
8		NSS		1	NOT SERVICED SEPARATELY, SEAL Rod; Order 1543267C1 Seal Kit
9		NSS		1	NOT SERVICED SEPARATELY, SEAL Buffer; Order 1543267C1 Seal Kit
10		238-5231		1	O-RING, -231, 70 Duro, 2.609" ID x .139" Thk
11		G109298		1	RING
12		86642312		1	SELF-TAP SCREW, Hex Hd, #8 x 3/8"
13		1346195C1		1	PISTON ROD, 44 mm (1-3/4 in) dia; Incl. Ref 14
14		30634		2	BUSHING
15		1340798C1		1	PISTON
16		G102288		1	SEAL
17		G100444		1	SEAL
18		G100449		1	WEAR RING
21		219-1		1	LUBE NIPPLE, 1/8"-27 x .66 lg
22		219-55		1	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
23		86982437		1	SPECIAL BOLT, 1,0 x 2,5 in, Includes Washer

580N 580SN WT
590SN 580SN

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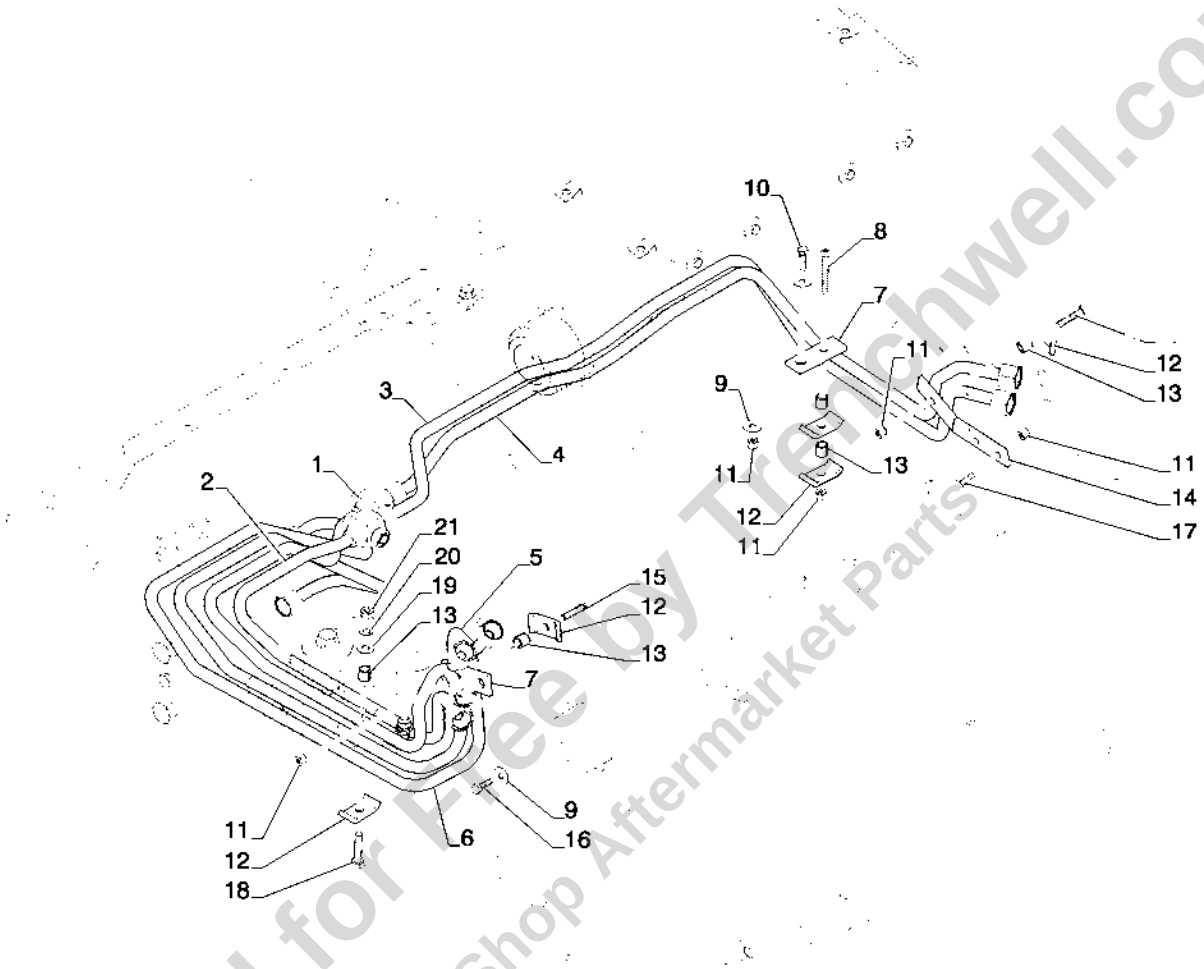
35.701.04	01	p1	03/11

HYDRAULICS - LOADER, 2 SPOOL (PILOT CONTROLS) (580SN, 580SN WT, 590SN)



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HYDRAULICS - LOADER, 2 SPOOL (PILOT CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84350086		1	HYD. TUBE
2		84350091		1	HYD. TUBE
3		84350093		1	HYD. TUBE
4		84350095		1	HYD. TUBE
5		84293101		1	TUBE
6		84293099		1	TUBE
7		84293019		2	BRACKET
8		84292041		1	HEX SOC SCREW
9		87528983		3	WASHER
10		43128		1	SCREW, Hex, M8 x 1.25 x 30.00mm, Cl 8.8, ZND
11		16104121		5	LOCK NUT, M8 x 1.25, Cl 10
12		D138055		6	CLAMP
13		120303A1		6	SPACER
14		84293020		1	BRACKET
15		43129		2	BOLT, Hex, M8 x 40, 8.8
16		43127		1	SCREW, Hex, M8 x 25, 8.8
17		308761		1	CARRIAGE BOLT, Short NK, M8 x 25, Cl8.8, Full Thd
18		325829		2	BOLT, Hex, M10 x 45, 8.8
19		87655046		2	SPECIAL WASHER
20		140028		2	LOCK WASHER, M10
21		86500689		2	NUT, M10, Cl 10

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580SN WT 590SN
580SN

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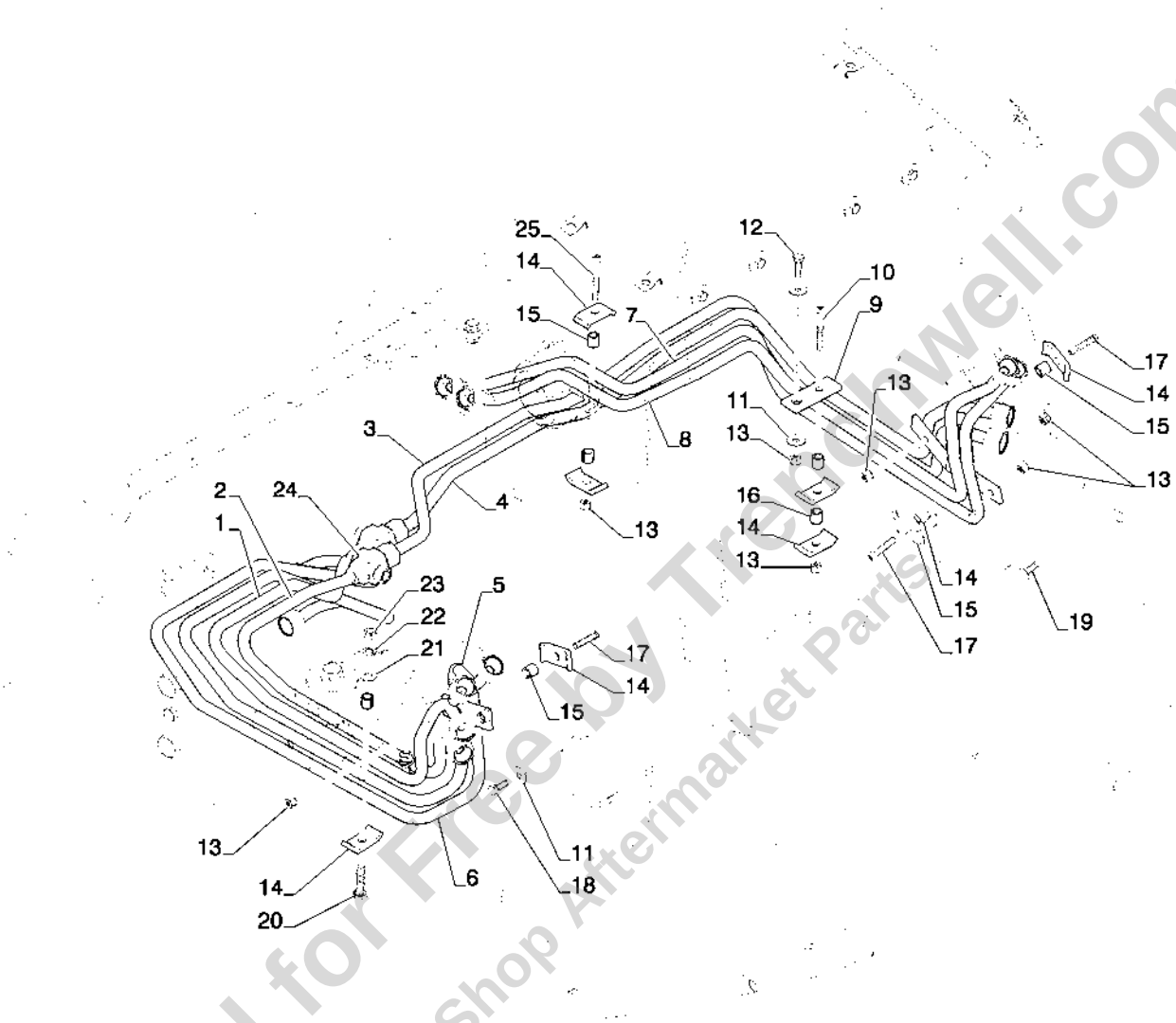
35.701.05	01	p1	03/11

HYDRAULICS - LOADER, 3 SPOOL (PILOT CONTROLS) (580SN, 580SN WT, 590SN)



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HYDRAULICS - LOADER, 3 SPOOL (PILOT CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84350086		1	HYD. TUBE
2		84350091		1	HYD. TUBE
3		84350093		1	HYD. TUBE
4		84350095		1	HYD. TUBE
5		84293101		1	TUBE
6		84293099		1	TUBE
7		84293011		1	TUBE
8		84293009		1	TUBE
9		84293019		2	BRACKET
10		300510		1	SCREW, Hex, M8 x 1.25 x 65.00mm, Cl 8.8, ZND
11		12645031		3	WASHER, M8.45 x 21 x 3 Thk, HT
12		43128		1	SCREW, Hex, M8 x 1.25 x 30.00mm, Cl 8.8, ZND
13		16104121		7	LOCK NUT, M8 x 1.25, Cl 10
14		D138055		11	CLAMP
15		120303A1		9	SPACER
16		84293020		1	BRACKET
17		43129		3	BOLT, Hex, M8 x 40, 8.8
18		43127		1	SCREW, Hex, M8 x 25, 8.8
19		308761		1	CARRIAGE BOLT, Short NK, M8 x 25, Cl8.8, Full Thd
20		325829		2	BOLT, Hex, M10 x 45, 8.8
21		87655046		2	SPECIAL WASHER
22		140028		2	LOCK WASHER, M10
23		86500689		2	NUT, M10, Cl 10
24		87338053		2	4 WAY CONNECTION, Cross
25		120062		1	BOLT, Hex, M8 x 70, 8.8

580SN WT 590SN
580SN

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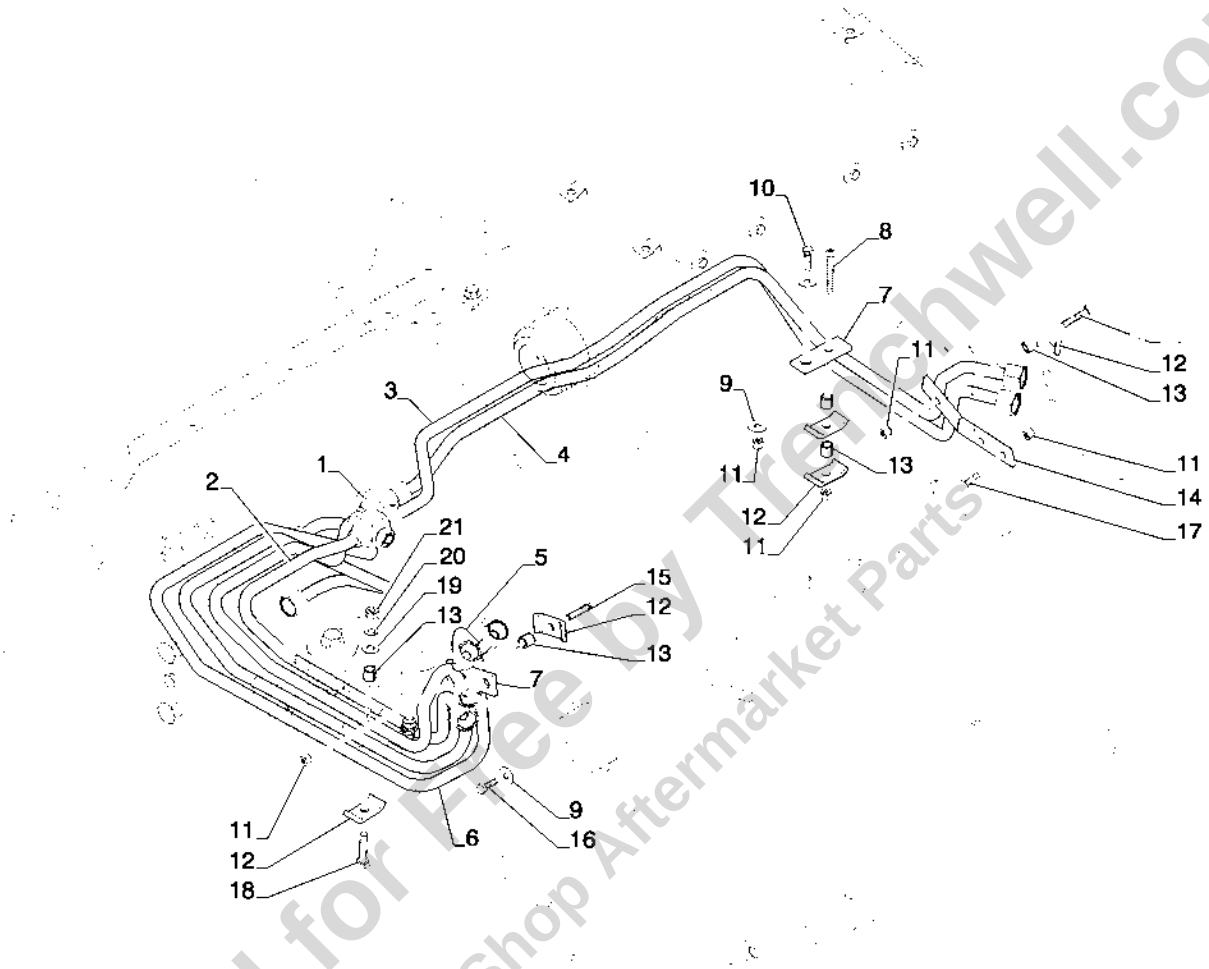
35.701.06	01	p1	10/11

HYDRAULICS - LOADER, 2 SPOOL (580N WITH PILOT CONTROLS) (580SN, 580SN WT, 590SN WITHOUT PILOT CONTROLS)



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HYDRAULICS - LOADER, 2 SPOOL (580N WITH PILOT CONTROLS) (580SN, 580SN WT, 590SN WITHOUT PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84350086		1	HYD. TUBE
2		84350091		1	HYD. TUBE
3		84350093		1	HYD. TUBE
4		84350095		1	HYD. TUBE
5		84294676		1	RIGID TUBE
6		84294679		1	RIGID TUBE
7		84293019		2	BRACKET
8		300510		1	SCREW, Hex, M8 x 1.25 x 65.00mm, Cl 8.8, ZND
9		12645031		3	WASHER, M8.45 x 21 x 3 Thk, HT
10		43128		1	SCREW, Hex, M8 x 1.25 x 30.00mm, Cl 8.8, ZND
11		16104121		5	LOCK NUT, M8 x 1.25, Cl 10
12		D138055		6	CLAMP
13		120303A1		6	SPACER
14		84293020		1	BRACKET
15		43129		2	BOLT, Hex, M8 x 40, 8.8
16		43127		1	SCREW, Hex, M8 x 25, 8.8
17		308761		1	CARRIAGE BOLT, Short NK, M8 x 25, Cl8.8, Full Thd
18		325829		2	BOLT, Hex, M10 x 45, 8.8
19		87655046		2	SPECIAL WASHER
20		140028		2	LOCK WASHER, M10
21		86500689		2	NUT, M10, Cl 10
22		87338053		2	4 WAY CONNECTION, Not Referenced On Art; Between Ref. 1 and 4, and Between Ref. 2 and 3

580N 580SN WT
590SN 580SN

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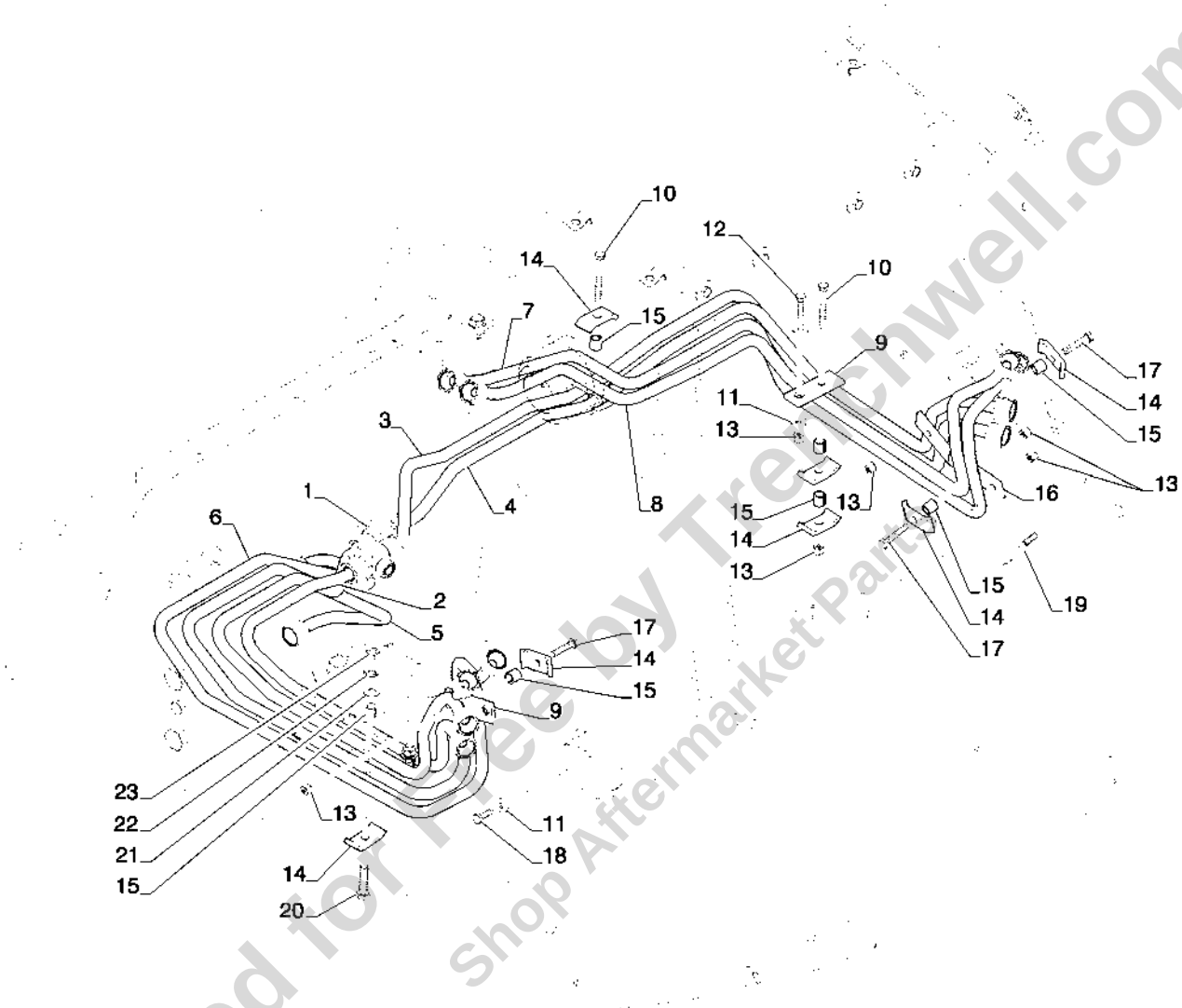
HYDRAULICS - LOADER, 3 SPOOL (580N WITH PILOT CONTROLS) (580SN, 580SN WT, 590SN WITHOUT PILOT CONTROLS)



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HYDRAULICS - LOADER, 3 SPOOL (580N WITH PILOT CONTROLS) (580SN, 580SN WT, 590SN WITHOUT PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84350086		1	HYD. TUBE
2		84350091		1	HYD. TUBE
3		84350093		1	HYD. TUBE
4		84350095		1	HYD. TUBE
5		84294676		1	RIGID TUBE
6		84294679		1	RIGID TUBE
7		84293011		1	TUBE
8		84293009		1	TUBE
9		84293019		2	BRACKET
10		300510		1	SCREW, Hex, M8 x 1.25 x 65.00mm, Cl 8.8, ZND
10		120062		1	BOLT, Hex, M8 x 70, 8.8
11		12645031		3	WASHER, M8.45 x 21 x 3 Thk, HT
12		43128		1	SCREW, Hex, M8 x 1.25 x 30.00mm, Cl 8.8, ZND
13		16104121		7	LOCK NUT, M8 x 1.25, Cl 10
14		D138055		11	CLAMP
15		120303A1		9	SPACER
16		84293020		1	BRACKET
17		43129		3	BOLT, Hex, M8 x 40, 8.8
18		43127		1	SCREW, Hex, M8 x 25, 8.8
19		308761		1	CARRIAGE BOLT, Short NK, M8 x 25, Cl8.8, Full Thd
20		325829		2	BOLT, Hex, M10 x 45, 8.8
21		87655046		2	SPECIAL WASHER
22		140028		2	LOCK WASHER, M10
23		86500689		2	NUT, M10, Cl 10
24		87338053		2	4 WAY CONNECTION, Not Referenced On Art; Between Ref. 1 and 4, and Between Ref. 2 and 3

580N 580SN WT
590SN 580SN

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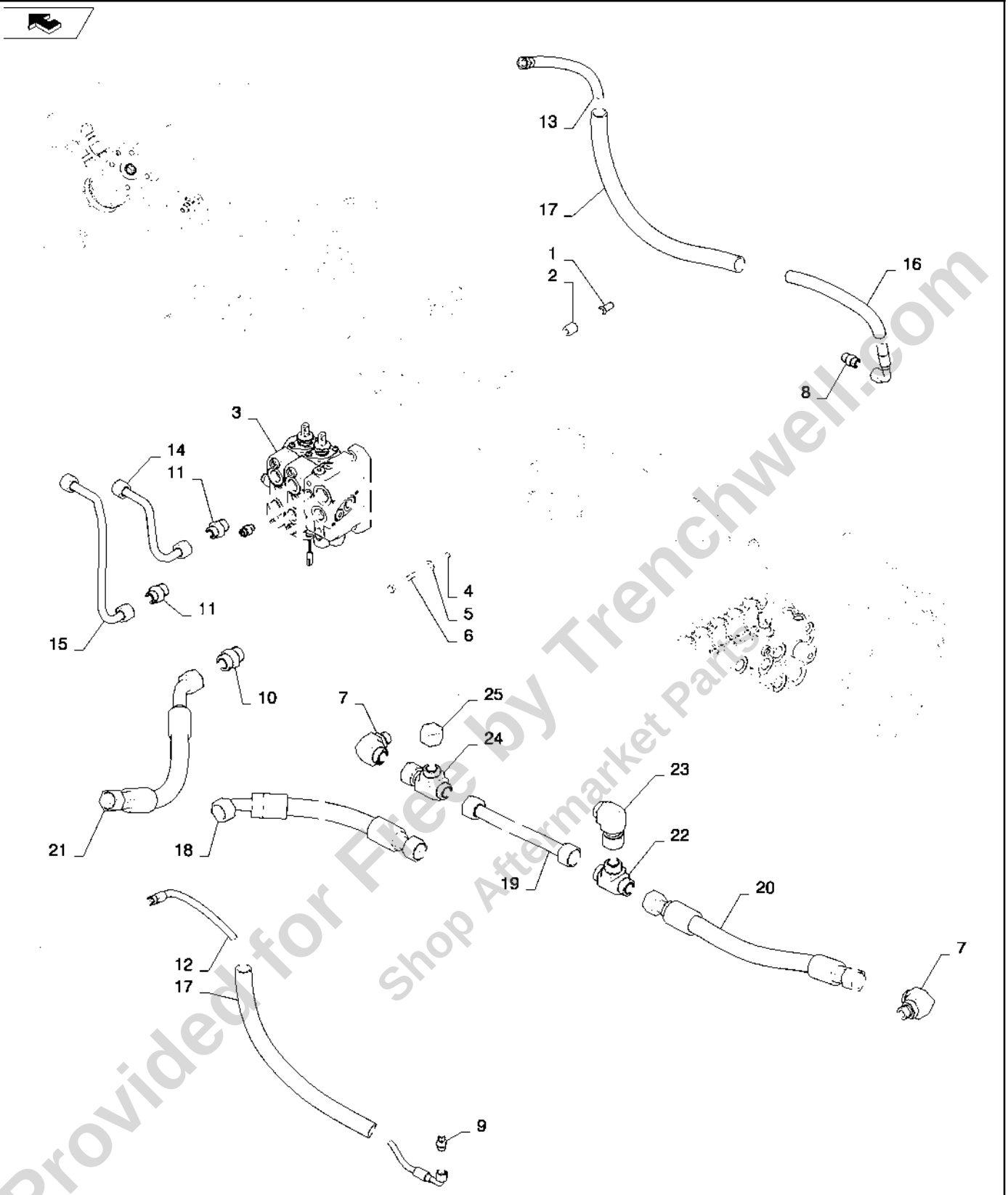
35.701.07		p1	10/11

HYDRAULICS - VALVE, LOADER CONTROL (2 SPOOL) (580SN, 580SN WT, 590SN)



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HYDRAULICS - VALVE, LOADER CONTROL (2 SPOOL) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87417721		3	THREADED INSERT
2		87585960		3	SPACER, Valve Mounting
3		84219975		1	VALVE, Loader 2 Spool Closed Center; See Fig. 35.724.09
4		86629543		3	O-RING, 0.364" ID x 0.504" OD x 0.07"
5		87655046		3	SPECIAL WASHER
6		814-10070		3	BOLT, Hex, M10 x 70, 8.8
7		9846956		2	ELBOW, 90º, 1 7/16"-12 x 1 1/16"-12, Adj, ORFS
		9824050		1	O-RING, 0.926" ID x 1.066" OD x 0.07"
		167266		1	O-RING, 0.924" ID x 0.116" Width
8		9992305		1	HYD CONNECTOR, 13/16"-16 ORFS x 3/4"-16 ORB
		9992298		1	O-RING, 0.489" ID x 0.629" OD x 0.07"
		128825		1	O-RING, 0.644" ID x 0.087" Width
9		9993143		2	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
		9993141		1	O-RING, 0.364" ID x 0.504" OD x 0.07"
		9617873		1	O-RING, 0.468" ID x 0.078" Width
10		9824055		1	HYD CONNECTOR
		9824050		1	O-RING, 0.926" ID x 1.066" OD x 0.07"
		167268		1	O-RING, 1.171" ID x 0.116" Width
11		83962539		4	HYD CONNECTOR
		9992069		1	O-RING, 0.614" ID x 0.754" OD x 0.07"
		167266		1	O-RING, 0.924" ID x 0.116" Width
12		84284694		1	HOSE ASSY., Steering Pilot
13		84358584		1	HOSE ASSY., Steering Pressure
14		84293669		1	TUBE, Loader Lift Port A
15		84293671		1	TUBE, Loader Lift Port B
16		NS		1	NOT SERVICED, Hose Guard
17		NS		2	NOT SERVICED, Hose Guard
18		84523983		1	HYDRAULIC HOSE, HOSE ASSY.; Pressure From Pump
19		84523969		1	HYD. TUBE, TUBE; Pressure To Loader
20		84523970		1	HYDRAULIC HOSE, HOSE ASSY.; Loader To Backhoe Valve
21		84523971		1	HYDRAULIC HOSE, HOSE ASSY.; Valve To Filter
22		87016914		1	TEE, 1 7/16"-12 ORFS

580SN WT 580SN 590SN

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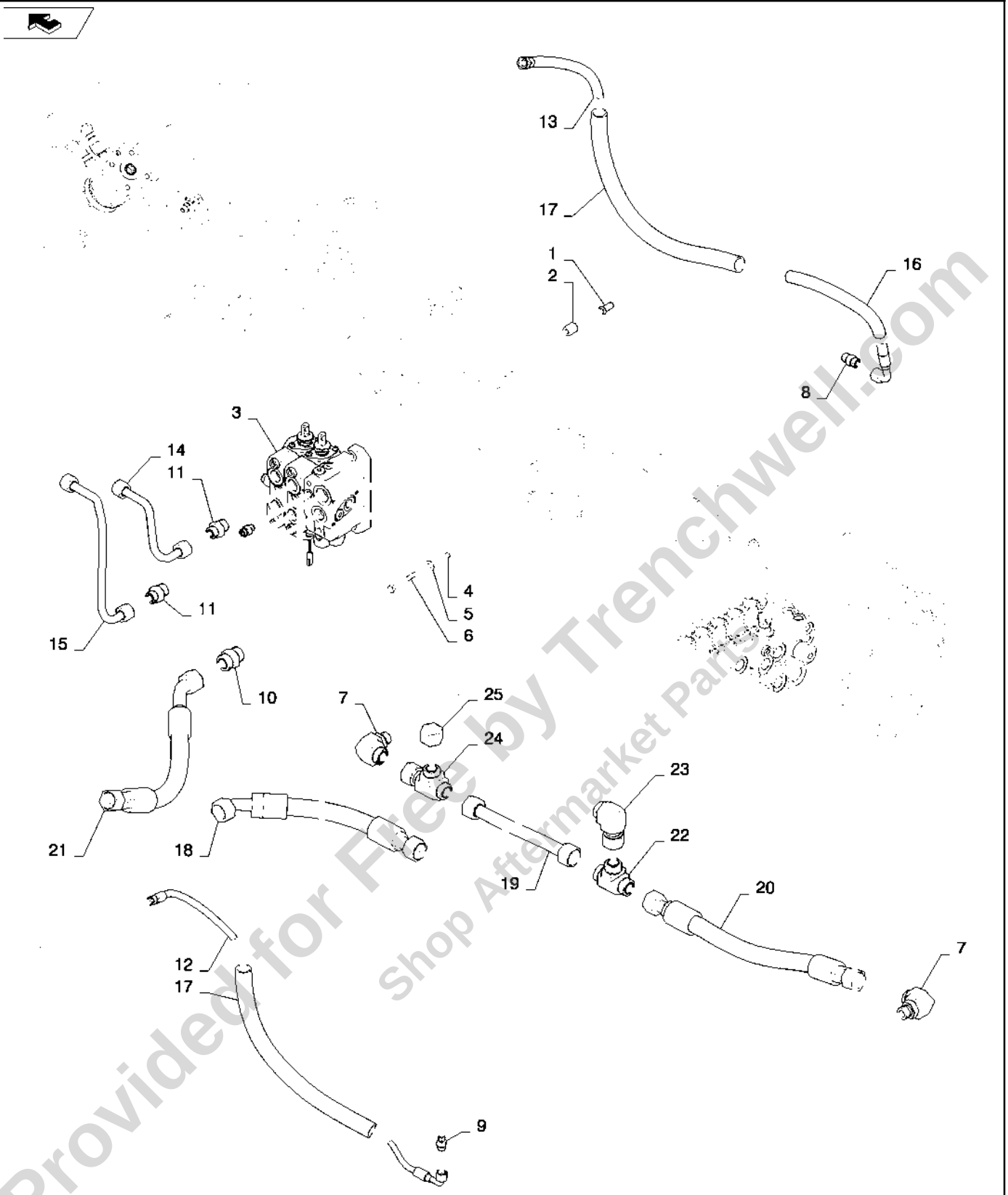
35.701.07		p2	10/11

HYDRAULICS - VALVE, LOADER CONTROL (2 SPOOL) (580SN, 580SN WT, 590SN)



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HYDRAULICS - VALVE, LOADER CONTROL (2 SPOOL) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		9824050		3	O-RING, 0.926" ID x 1.066" OD x 0.07"
23		84989413		1	ELBOW, 90º, 1 7/16"-12 ORFS x 1 7/16"-12 Fem Sw
		9824050		1	O-RING, 0.926" ID x 1.066" OD x 0.07"
24		86641295		1	TEE, 1 7/16"-12 ORFS to Swivel
		9824050		2	O-RING, 0.926" ID x 1.066" OD x 0.07"
25		9847690		1	CAP, 1 7/16"-12 ORFS

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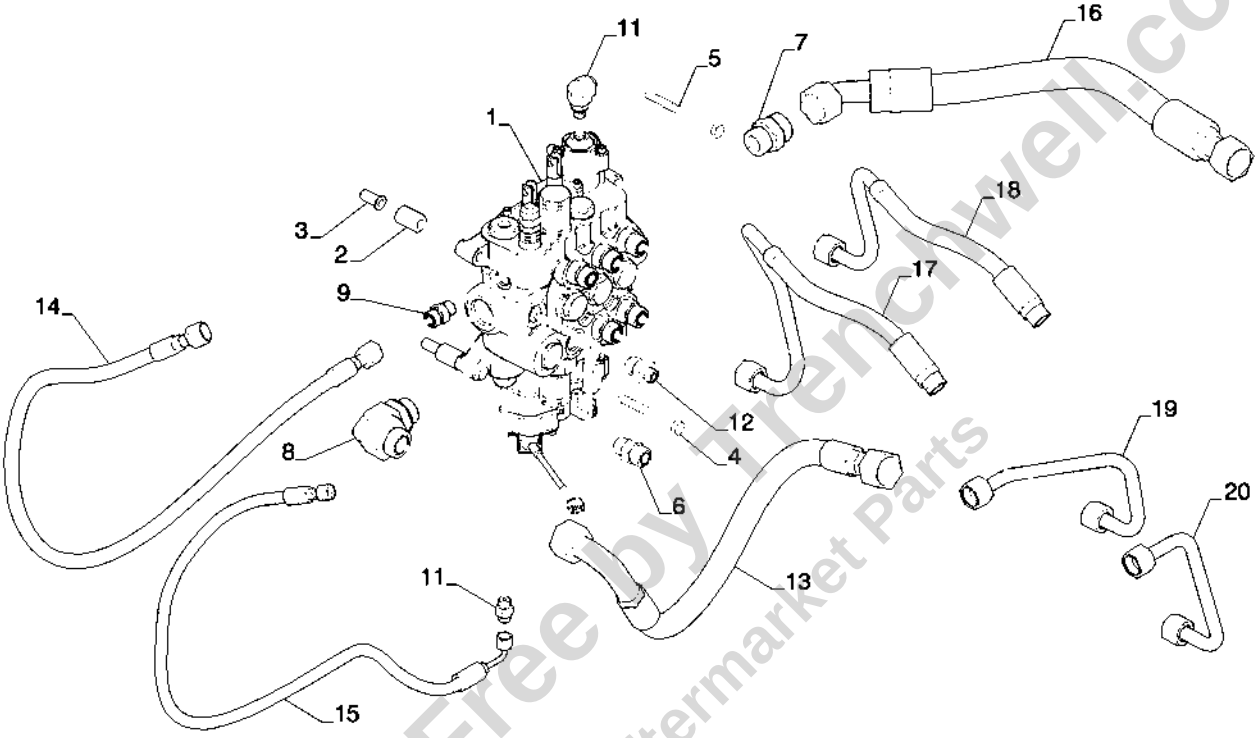
35.701.08		p1	07/11

HYDRAULICS - VALVE, LOADER CONTROL (3 SPOOL, MECHANICAL CONTROLS) (580SN, 580SN WT, 590SN)



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HYDRAULICS - VALVE, LOADER CONTROL (3 SPOOL, MECHANICAL CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84218283		1	VALVE
2		87417599		3	SPACER, Loader Valve Mounting
3		87417721		3	THREADED INSERT
4		814-10090		2	BOLT, Hex, M10 x 90, 8.8
5		814-10110		1	BOLT, Hex, M10 x 110, 8.8
6		9621483		6	HYD CONNECTOR, 1"-14 ORFS x 7/8"-14 ORB
7		9824055		3	HYD CONNECTOR
8		9846955		1	ELBOW
9		9992305		1	HYD CONNECTOR, 13/16"-16 ORFS x 3/4"-16 ORB
10		201-111		1	HYD CONNECTOR, 9/16"-18 ORFS x 9/16"-18 ORB
11		9840542		2	ELBOW, 90º, 9/16"-18 x 9/16"-18, Adj, ORFS
12		84139327		1	HYD CONNECTOR
13		84245419		1	HOSE ASSY., Valve Inlet
14		84358585		1	HOSE ASSY., Steering Pressure
15		84280705		1	HOSE ASSY., Steering Pilot
16		84278155		1	HOSE ASSY., Valve to Filter
17		84293158		1	TUBE, 4 in 1 Port B
18		84293160		1	TUBE, 4 in 1 Port A
19		84293154		1	TUBE, Loader Lift Port A
20		84293149		1	TUBE, Loader Lift Port B

580SN WT 580SN
590SN

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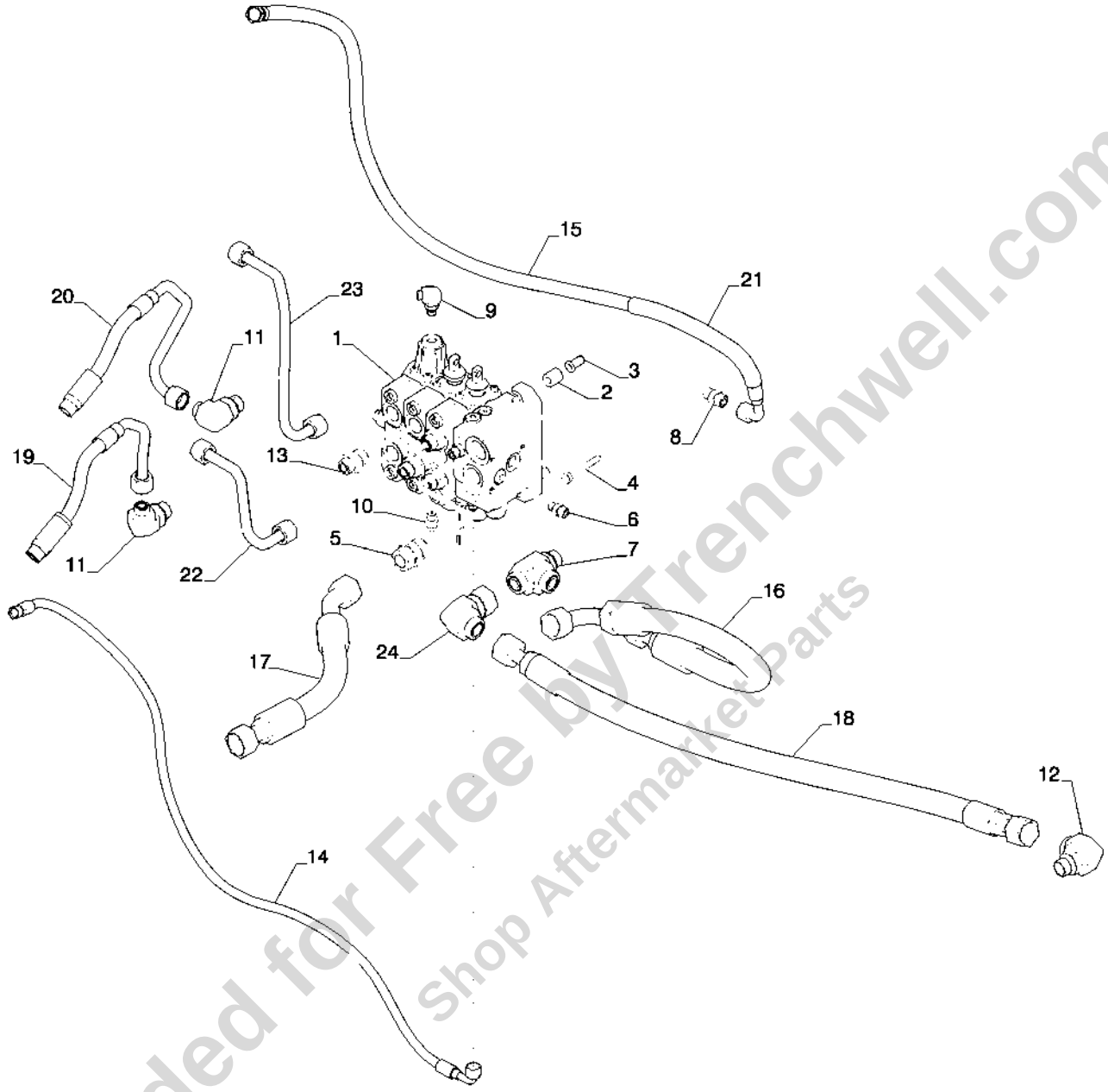
35.701.09	01	p1	09/11

HYDRAULICS - VALVE, LOADER CONTROL (3 SPOOL, PILOT CONTROLS (580SN, 580SN WT, 590SN)



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HYDRAULICS - VALVE, LOADER CONTROL (3 SPOOL, PILOT CONTROLS (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84219974		1	VALVE
2		87585960		3	SPACER, Valve Mounting
3		87417721		3	THREADED INSERT
4		814-10070		3	BOLT, Hex, M10 x 70, 8.8
5		9824055		1	HYD CONNECTOR
6		9993143		3	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
7		87493307		1	RUN TEE
8		9992305		1	HYD CONNECTOR, 13/16"-16 ORFS x 3/4"-16 ORB
9		9840542		1	ELBOW, 90º, 9/16"-18 x 9/16"-18, Adj, ORFS
10		201-111		1	HYD CONNECTOR, 9/16"-18 ORFS x 9/16"-18 ORB
11		9991973		2	ELBOW
11A		9992069		1	O-RING, 0.614" ID x 0.754" OD x 0.07", (Not Shown)
11B		167266		1	O-RING, 0.924" ID x 0.116" Width, (Not Shown)
12		9846956		1	ELBOW, 90º, 1 7/16"-12 x 1 1/16"-12, Adj, ORFS
13		83962539		4	HYD CONNECTOR
14		84284694		1	HOSE ASSY., Steering Pilot
15		84358584		1	HOSE ASSY., Steering Pressure
16		84276525		1	HOSE ASSY., Pump to Loader
17		84277908		1	HOSE ASSY., Valve to Filter
18		84293648		1	HOSE ASSY., Loader to Backhoe Valve
19		84281124		1	TUBE, 4 in 1 Port A
20		84255714		1	TUBE, 4 in 1 Port B
21		NS		1	NOT SERVICED, Hose Guard
22		84293669		1	TUBE, Loader Lift Port A
23		84293671		1	TUBE, Loader Lift Port B
24		84989413		1	ELBOW, 90º, 1 7/16"-12 ORFS x 1 7/16"-12 Fem Sw

580SN PRIOR TO P.I.N. NBC543163 580SN WT PRIOR TO P.I.N. NBC545276 590SN PRIOR TO P.I.N. NBC546294

580SN WT 580SN 590SN

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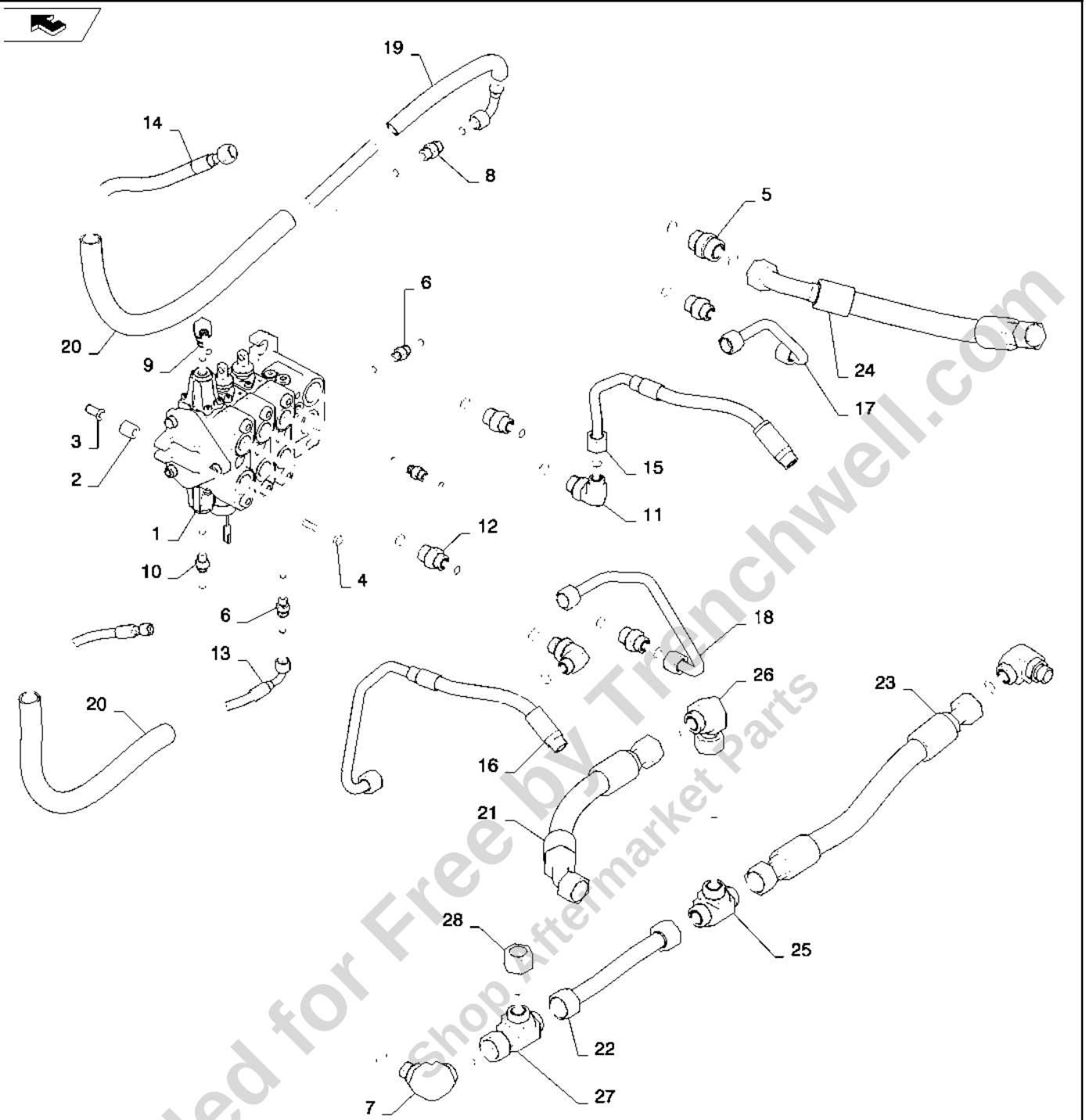
35.701.09	02	p1	10/11

HYDRAULICS - VALVE, LOADER CONTROL (3 SPOOL, PILOT CONTROLS (580SN, 580SN WT, 590SN)



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HYDRAULICS - VALVE, LOADER CONTROL (3 SPOOL, PILOT CONTROLS (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84219974		1	VALVE
2		87585960		3	SPACER, Valve Mounting
3		87417721		3	THREADED INSERT
4		814-10070		3	BOLT, Hex, M10 x 70, 8.8
5		9824055		1	HYD CONNECTOR
		9824050		1	O-RING, 0.926" ID x 1.066" OD x 0.07"
		167268		1	O-RING, 1.171" ID x 0.116" Width
6		9993143		3	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
		9993141		1	O-RING, 0.364" ID x 0.504" OD x 0.07"
		9617873		1	O-RING, 0.468" ID x 0.078" Width
7		9846956		2	ELBOW, 90º, 1 7/16"-12 x 1 1/16"-12, Adj, ORFS
		9824050		1	O-RING, 0.926" ID x 1.066" OD x 0.07"
		167266		1	O-RING, 0.924" ID x 0.116" Width
8		9992305		1	HYD CONNECTOR, 13/16"-16 ORFS x 3/4"-16 ORB
		9992298		1	O-RING, 0.489" ID x 0.629" OD x 0.07"
		128825		1	O-RING, 0.644" ID x 0.087" Width
9		9840542		1	ELBOW, 90º, 9/16"-18 x 9/16"-18, Adj, ORFS
		9825770		1	O-RING, 0.301" ID x 0.441" OD x 0.07"
		9617873		1	O-RING, 0.468" ID x 0.078" Width
10		201-111		1	HYD CONNECTOR, 9/16"-18 ORFS x 9/16"-18 ORB
		9825770		1	O-RING, 0.301" ID x 0.441" OD x 0.07"
		9617873		1	O-RING, 0.468" ID x 0.078" Width
11		9991973		2	ELBOW
		9992069		1	O-RING, 0.614" ID x 0.754" OD x 0.07"
		167266		1	O-RING, 0.924" ID x 0.116" Width
12		83962539		4	HYD CONNECTOR
		9992069		1	O-RING, 0.614" ID x 0.754" OD x 0.07"
		167266		1	O-RING, 0.924" ID x 0.116" Width
13		84284694		1	HOSE ASSY., Steering Pilot
14		84358584		1	HOSE ASSY., Steering Pressure
15		84281124		1	TUBE, 4 in 1 Port A
16		84255714		1	TUBE, 4 in 1 Port B
17		84293669		1	TUBE, Loader Lift Port A
18		84293671		1	TUBE, Loader Lift Port B
19		NS		1	NOT SERVICED, Hose Guard

580SN P.I.N. NBC543163 AND AFTER 580SN WT P.I.N. NBC545276 AND AFTER 590SN P.I.N. NBC546294 AND AFTER

580SN WT 580SN 590SN

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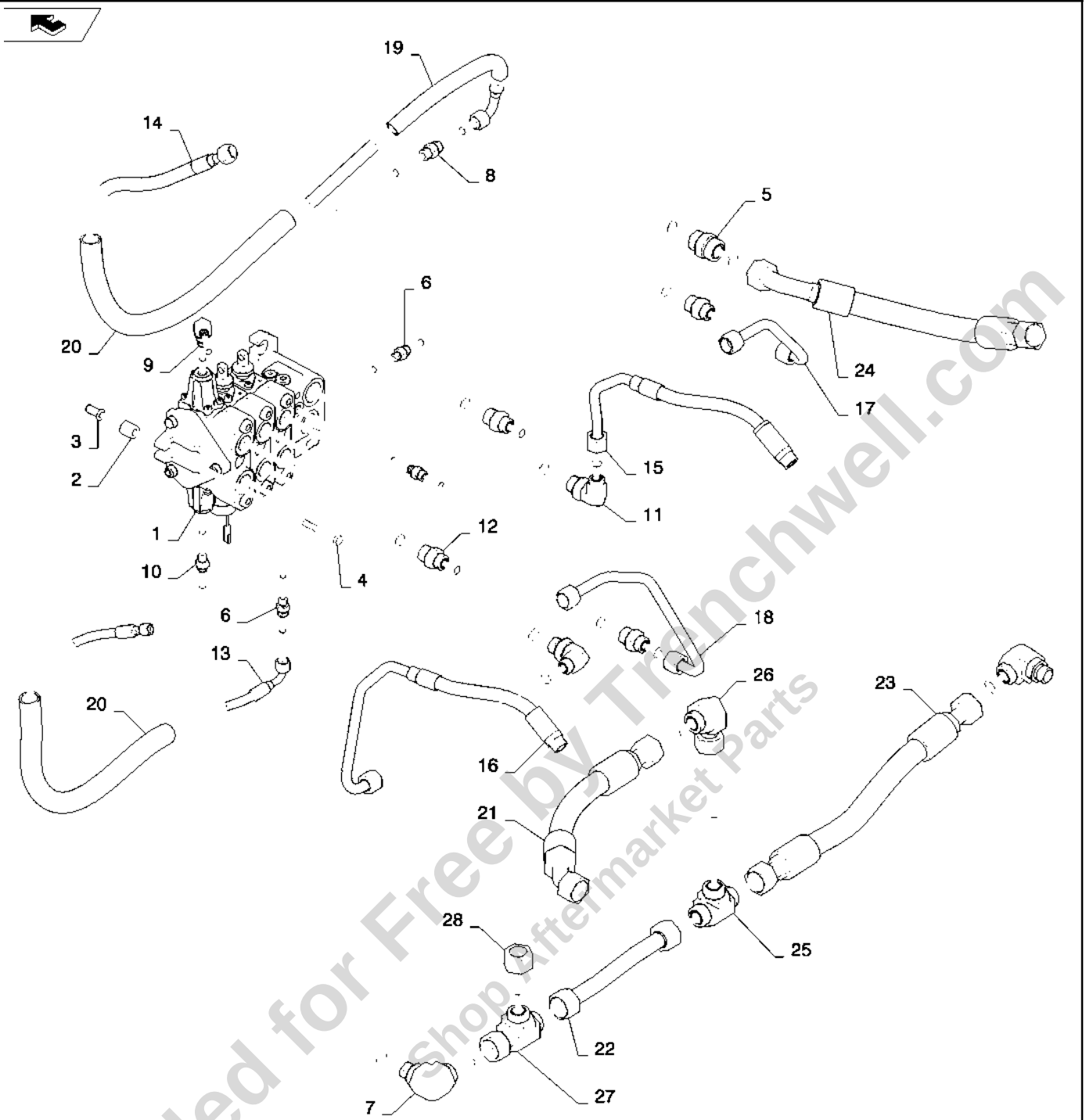
35.701.09	02	p2	10/11

HYDRAULICS - VALVE, LOADER CONTROL (3 SPOOL, PILOT CONTROLS (580SN, 580SN WT, 590SN)



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HYDRAULICS - VALVE, LOADER CONTROL (3 SPOOL, PILOT CONTROLS (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
20		NS		2	NOT SERVICED, Hose Guard
21		84523983		1	HYDRAULIC HOSE, HOSE ASSY.; Pressure From Pump
22		84523969		1	HYD. TUBE, TUBE; Pressure To Loader
23		84523970		1	HYDRAULIC HOSE, HOSE ASSY.; Loader To Backhoe Valve
24		84523971		1	HYDRAULIC HOSE, HOSE ASSY.; Valve To Filter
25		87016914		1	TEE, 1 7/16"-12 ORFS
		9824050		3	O-RING, 0.926" ID x 1.066" OD x 0.07"
26		84989413		1	ELBOW, 90º, 1 7/16"-12 ORFS x 1 7/16"-12 Fem Sw
		9824050		1	O-RING, 0.926" ID x 1.066" OD x 0.07"
27		86641295		1	TEE, 1 7/16"-12 ORFS to Swivel
		9824050		2	O-RING, 0.926" ID x 1.066" OD x 0.07"
28		9847690		1	CAP, 1 7/16"-12 ORFS

580SN P.I.N. NBC543163 AND AFTER 580SN WT P.I.N. NBC545276 AND AFTER 590SN P.I.N. NBC546294 AND AFTER

580SN WT 580SN 590SN

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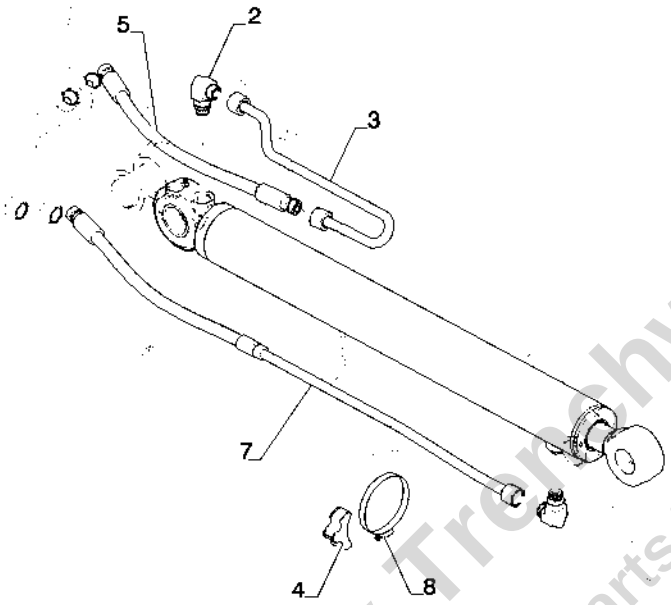
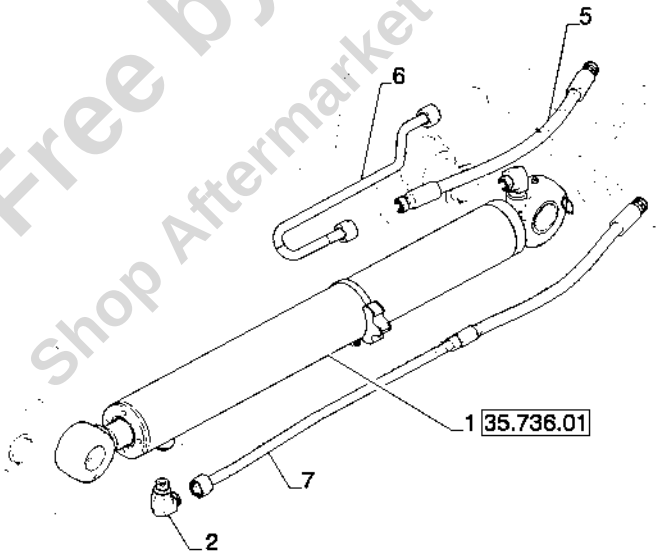
35.701.11		p1	03/11

HYDRAULICS - LOADER LIFT CYLINDER (580SN)





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HYDRAULICS - LOADER LIFT CYLINDER (580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84224057		2	HYDRAULIC CYLINDER
2		201-306		4	ELBOW, 90º, 1"-14 x 7/8"-14 Adj, ORFS
3		84295697		1	HOSE ASSY.
4		84296626		2	SECURING STRAP
5		84351615		2	HOSE ASSY.
6		84295087		1	HOSE ASSY.
7		84294590		2	TUBE
8		214-1472		2	HOSE CLAMP, #72, 4.06/5.00 Type F Worm

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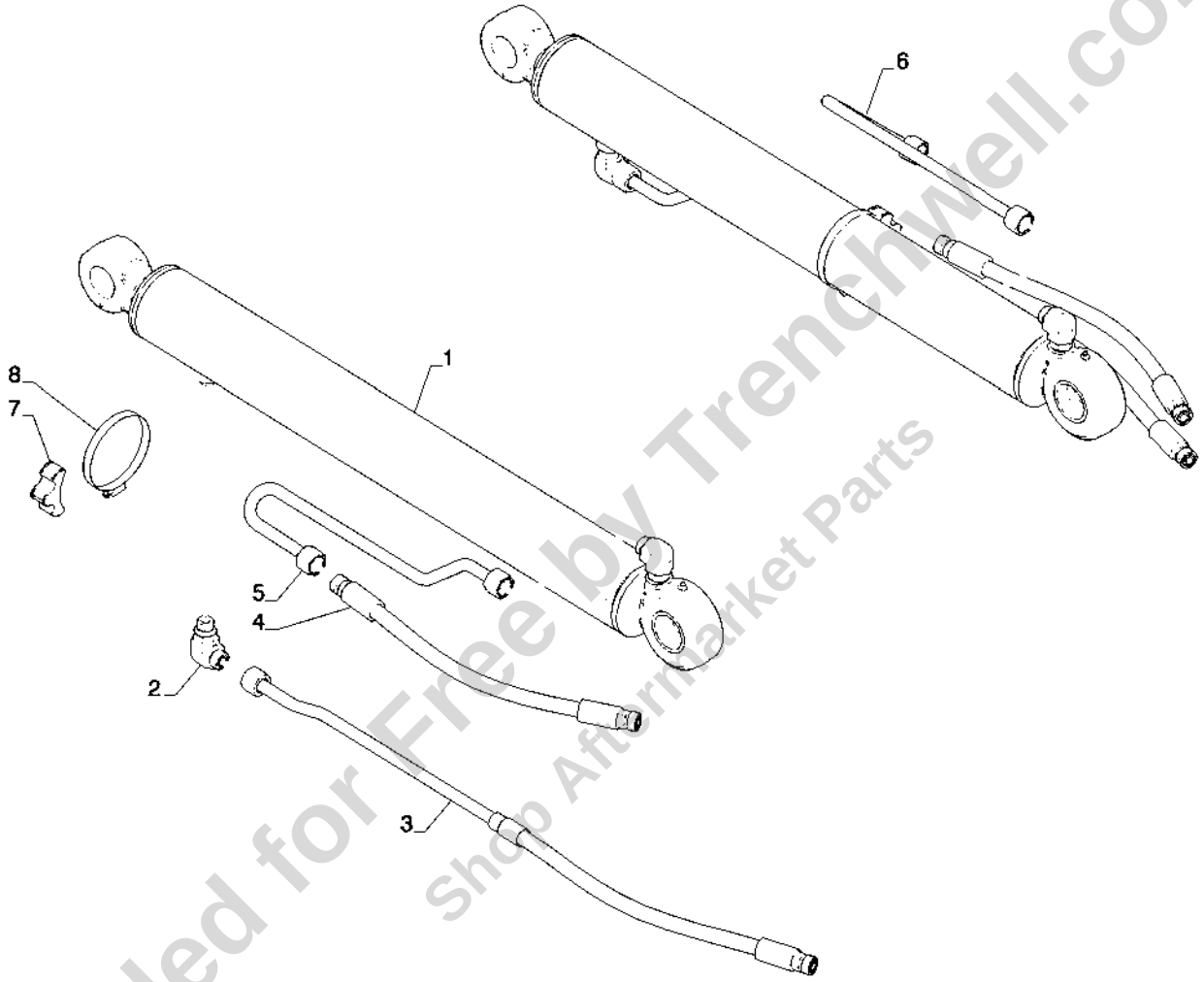
35.701.12		p1	03/11

HYDRAULICS - LOADER LIFT CYLINDER (580SN WT, 590SN)



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HYDRAULICS - LOADER LIFT CYLINDER (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210940		2	CYLINDER
2		201-306		4	ELBOW, 90º, 1"-14 x 7/8"-14 Adj, ORFS
3		84296008		2	HOSE ASSY.
4		84351615		2	HOSE ASSY.
5		84295087		1	HOSE ASSY.
6		84295697		1	HOSE ASSY.
7		84296627		2	SECURING STRAP
8		214-1476		2	HOSE CLAMP, #76, 4.31/5.25 Type F Worm, W/liner

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580SN WT
590SN

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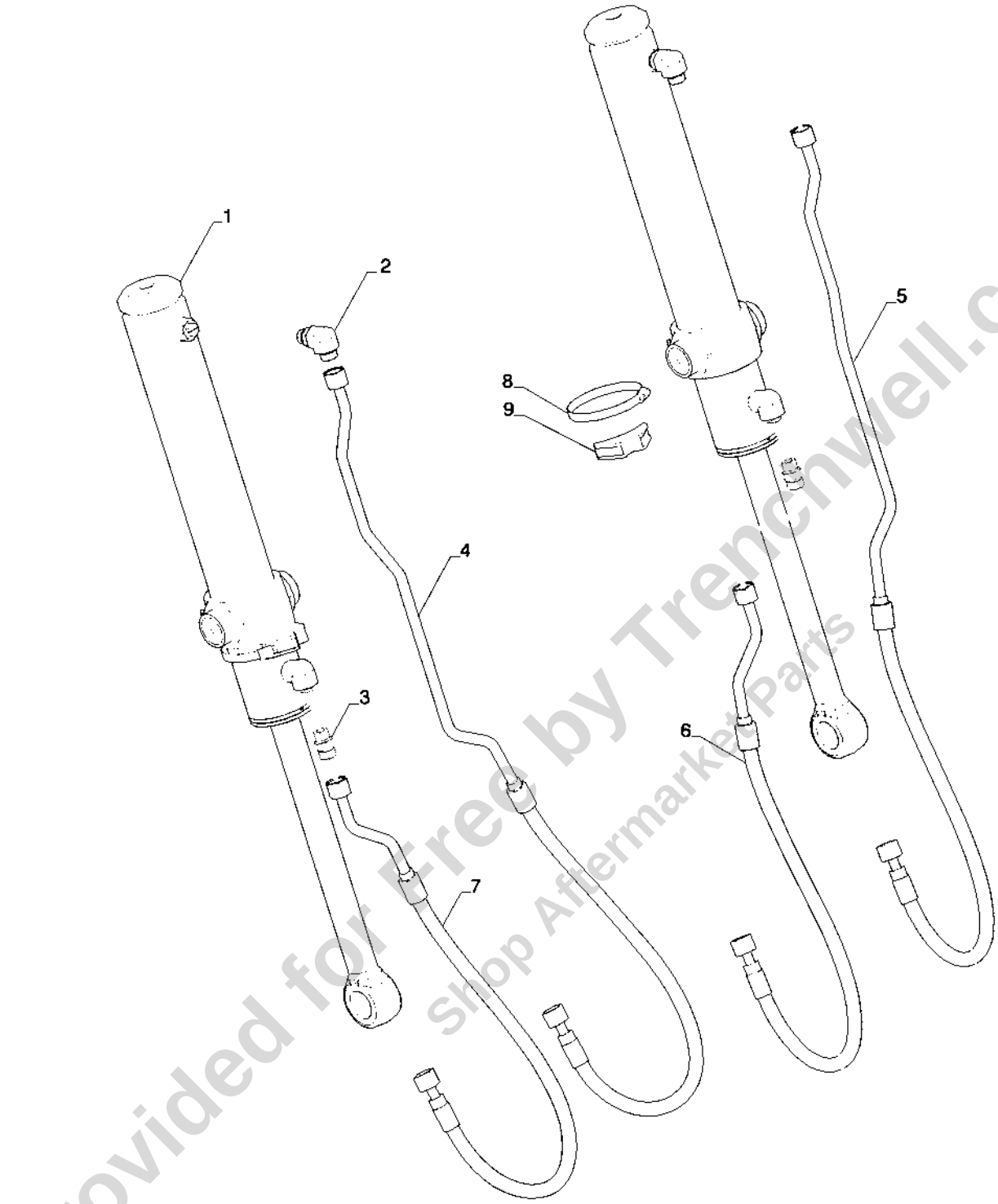
35.701.13		p1	04/11

HYDRAULICS - LOADER LIFT (580SN, 580SN WT, 590SN)



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HYDRAULICS - LOADER LIFT (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210944		2	HYDRAULIC CYLINDER, 590SN
1		84210943		2	HYDRAULIC CYLINDER, 580SN, 580SN WT
2		201-306		2	ELBOW, 90º, 1"-14 x 7/8"-14 Adj, ORFS
3		201-103		2	HYD CONNECTOR, 1"-14 ORFS x 7/8"-14 ORB
4		84399689		1	TUBE, Right Hand Dump Port A
5		84399671		1	TUBE, Left Hand Dump Port A
6		84307497		1	TUBE, Left Hand Dump Lower
7		84307492		1	TUBE, Right Hand Dump Lower
8		9706924		2	HOSE CLAMP, #72, 4.06/5.00 Type F Worm
9		L79937		2	SADDLE

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580SN WT 580SN
590SN

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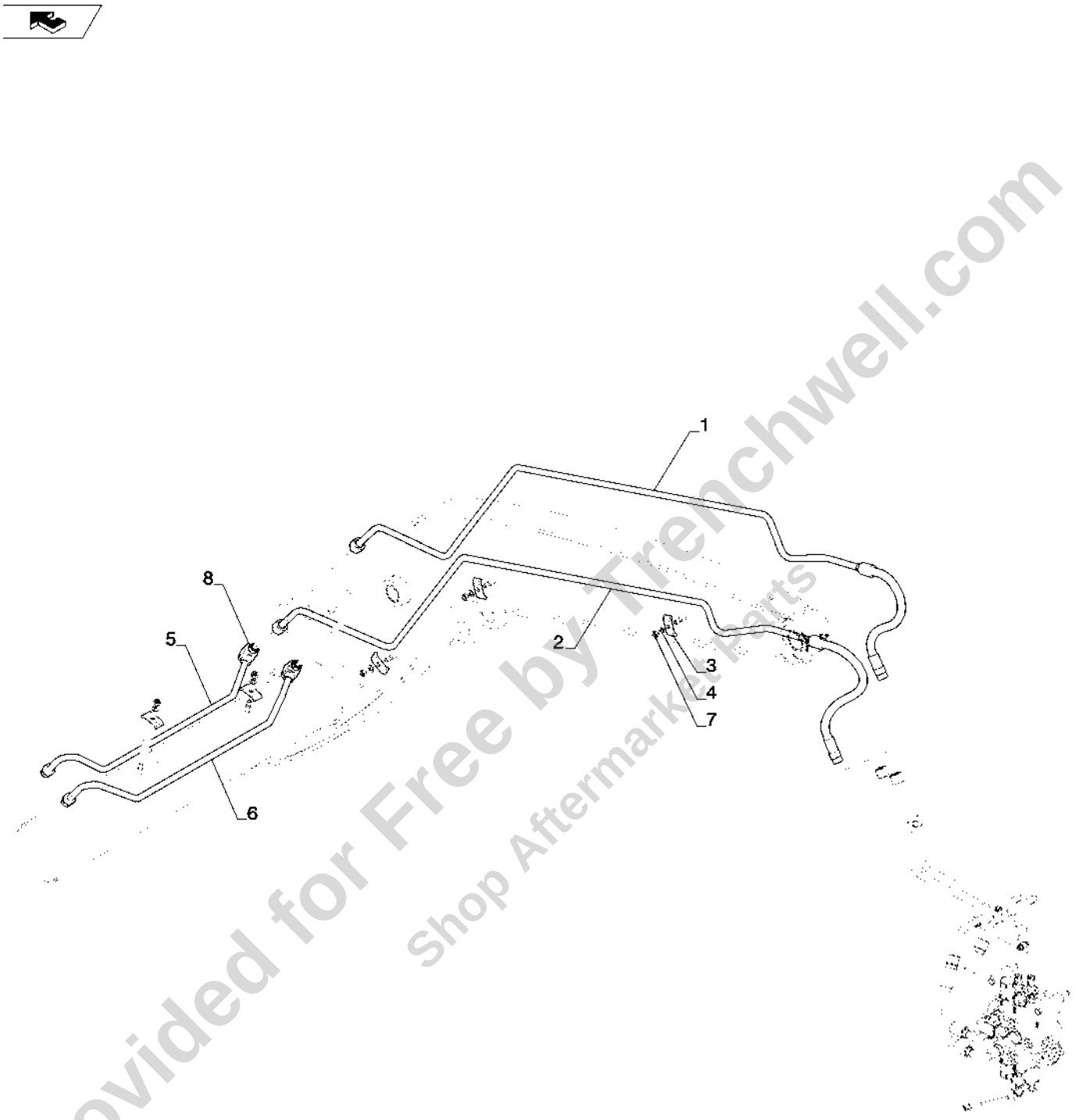
35.701.14		p1	03/12

HYDRAULICS - LOADER



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HYDRAULICS - LOADER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
2		84297407		1	HYD. TUBE
3		D138055		5	CLAMP
4		140028		5	LOCK WASHER, M10
5		84240490		1	TUBE
6		84240497		1	TUBE
7		86500689		5	NUT, M10, Cl 10
8		84254679		2	TEE, Brazed To Tube

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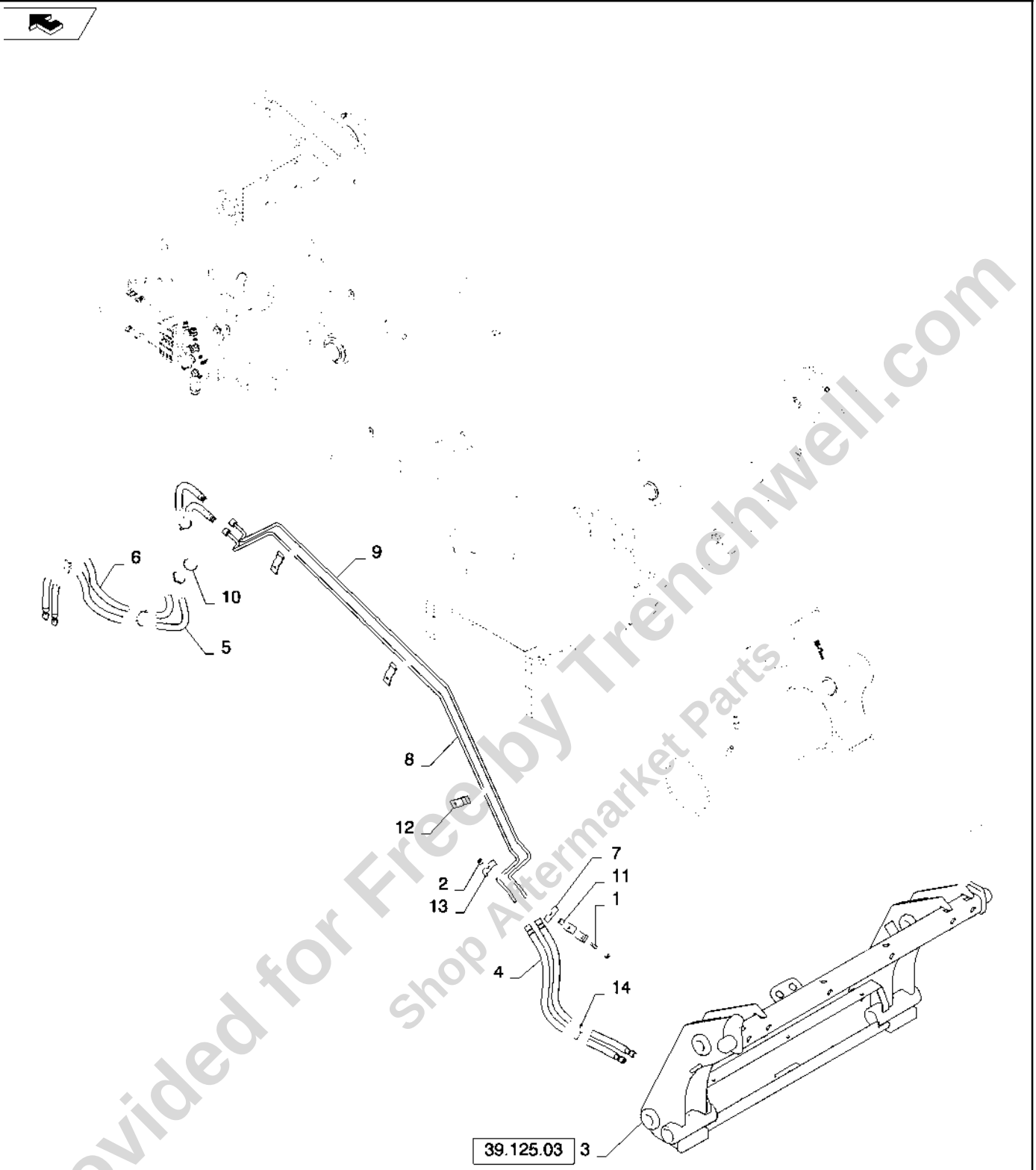
35.701.16		p1	12/11

HYDRAULICS - COUPLER, LOADER TOOL QUICK



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HYDRAULICS - COUPLER, LOADER TOOL QUICK

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		120073		1	BOLT, Hex, M10 x 80, 8.8
2		412141		1	LOCK NUT, M10 x 1.5, Cl 8
3		84265982		1	COUPLING, See Fig. 39.125.03
4		84266292		2	HYDRAULIC HOSE
5		84311873		1	HOSE
6		84337930		1	HOSE
7		84346489		1	PLATE
8		84401877		1	HYD. TUBE
9		84401879		1	HYD. TUBE
10		86566989		5	CABLE STRAP, M4.75 x 190.5 L
11		120303A1		1	SPACER
12		302820A2		3	CLAMP
13		D138055		3	CLAMP
14		L11541		1	CABLE STRAP

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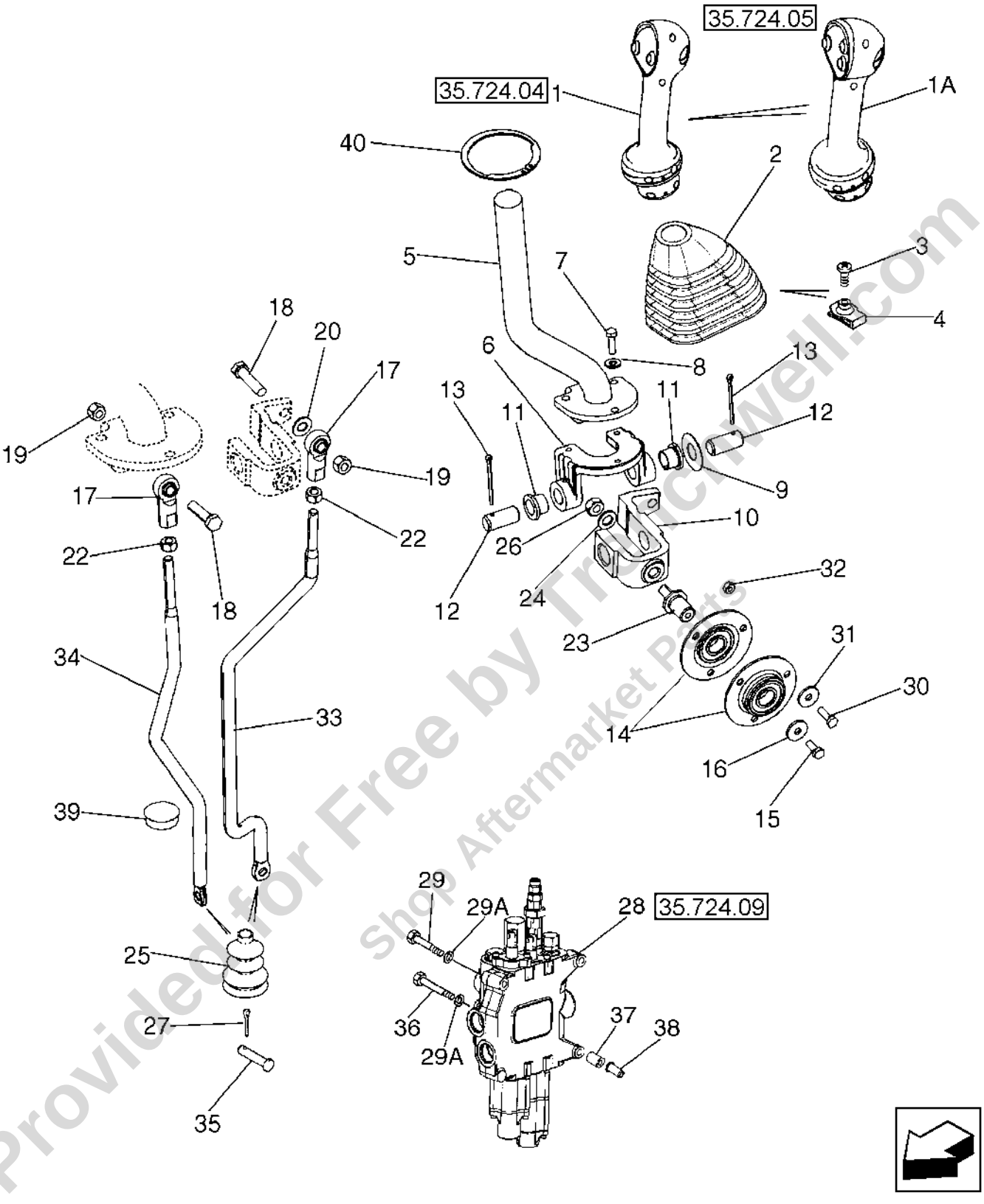
35.724.03	01	p1	04/11

CONTROLS - LOADER LIFT AND BUCKET



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CONTROLS - LOADER LIFT AND BUCKET

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87638046		1	JOYSTICK, Loader Control Lever, Two Button, DeClutch and Differential Lock Switches; 2 Spool With Standard Transmission
		256347A1		1	CONNECTOR
		258616A1		1	LOCK
		298176A1		1	PLUG
1A		87638045		1	JOYSTICK, Loader Control Lever,Three Button, DeClutch, Differential Lock, And Kick-Down Switches; 2 Spool With Power Shift Transmission
		256347A1		1	CONNECTOR
		258616A1		1	LOCK
		87301351		AR	ADHESIVE, Permabond, F246, 1 ml With No. 5 Initiator
2		87632920		1	BOOT
3		140-107		1	SCREW, Cross Pan Hd, #10-24 x 3/4"
4		131-121		1	NUT, Tinn, U, #10-24
5		87708015		1	HANDLE
6		87681261		1	BRACKET
7		614-6020		3	BOLT, Hex, M6 x 20, 8.8
8		495-11028		3	WASHER, 1/4", SAE
9		495-81184		1	WASHER, 21/32" x 1 1/2" x .030"
10		87586156		1	LINKAGE YOKE
11		108088A1		2	BUSHING
12		102761A1		2	PIN
13		432-828		2	COTTER PIN, 1/8" x 1 3/4"
14		112380A1		2	BEARING ASSY, Incl Ref 14A
14A		362804		1	BALL BEARING, 17 mm ID x 40 mm OD x 12 mm, Not Illustrated
15		614-6016		1	BOLT, Hex, M6 x 16, 8.8
16		396-41028		1	WASHER, .281" x 7/8" x .098", HDN
17		87382812		2	BALL JOINT, 3/8 NF
18		413-624		1	BOLT, Hex, 3/8"-16 x 1 1/2", G5
19		232-4246		2	LOCK NUT, 3/8"-16, GC
20		496-11041		1	WASHER, 13/32" x 13/16" x .065", HDN
22		425-116		2	NUT, 3/8"-24, G5

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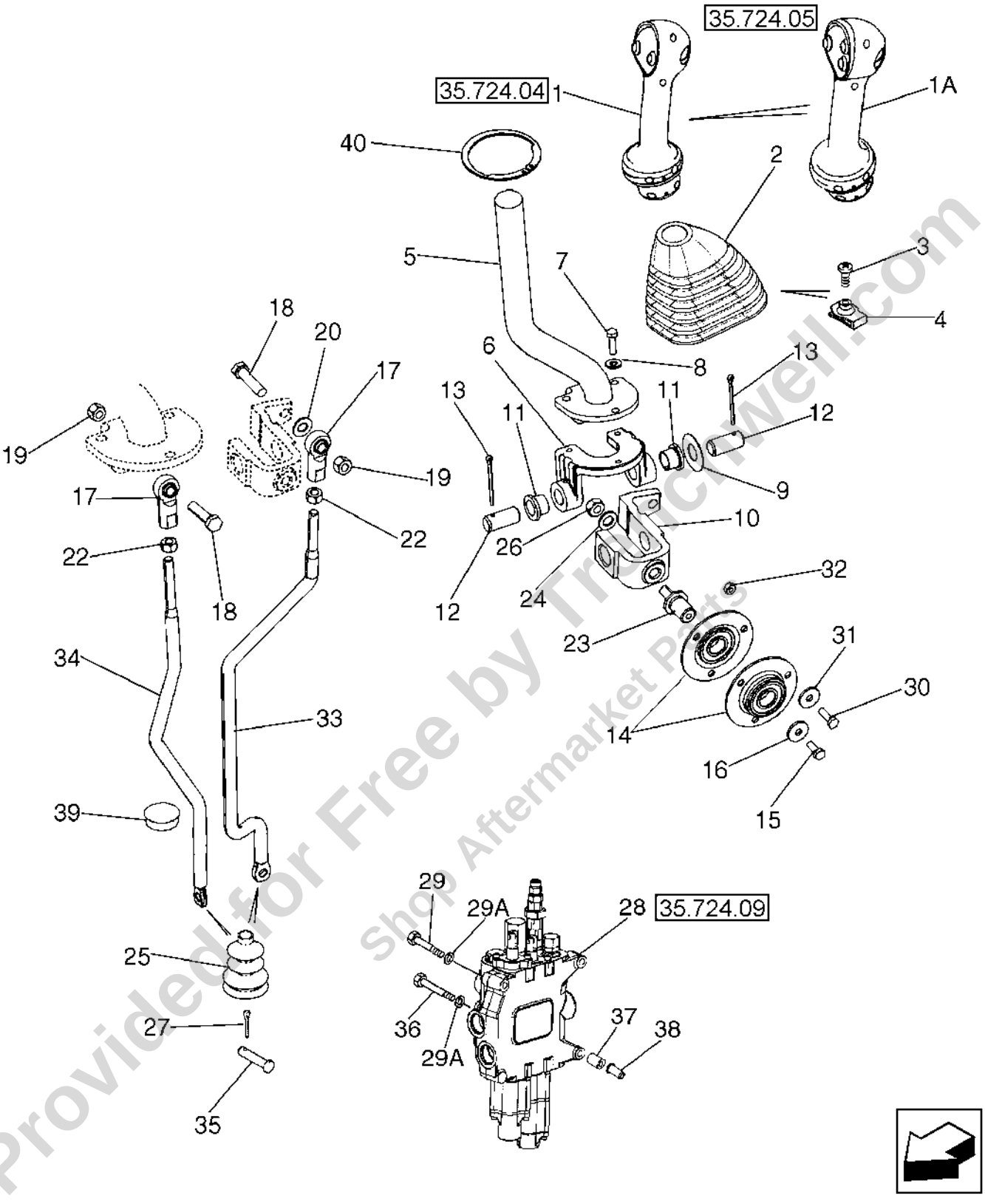
CONTROLS - LOADER LIFT AND BUCKET



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CONTROLS - LOADER LIFT AND BUCKET

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
23		176309A1		1	SHAFT
24		895-11010		1	WASHER, M10 x 20 x 2
25		132931A1		2	BOOT
		189109A1		2	SPRING
26		829-1410		1	NUT, M10, Cl 10
27		432-612		2	COTTER PIN, 3/32" x 3/4"
28		REF		1	INSTRUCTION, Loader Control Valve, Two Spool
29		814-10090		2	BOLT, Hex, M10 x 90, 8.8
29A		896-11010		3	WASHER, M10 x 21.5 x 2.5, HT
30		614-6020		3	BOLT, Hex, M6 x 20, 8.8
31		396-41028		3	WASHER, .281" x 7/8" x .098", HDN
32		829-1406		3	NUT, M6, Cl 10
33		87664425		1	ROD, Bucket Control
34		87664422		1	ROD, Lift Control
35		D149287		2	PIN
36		814-10110		1	BOLT, Hex, M10 x 110, 8.8
37		87417599		3	SPACER
38		87417721		3	THREADED INSERT, M10
39		353-422		1	PLUG, Dome, 1.250" hole, Nylon
40		84146318		1	SNAP RING

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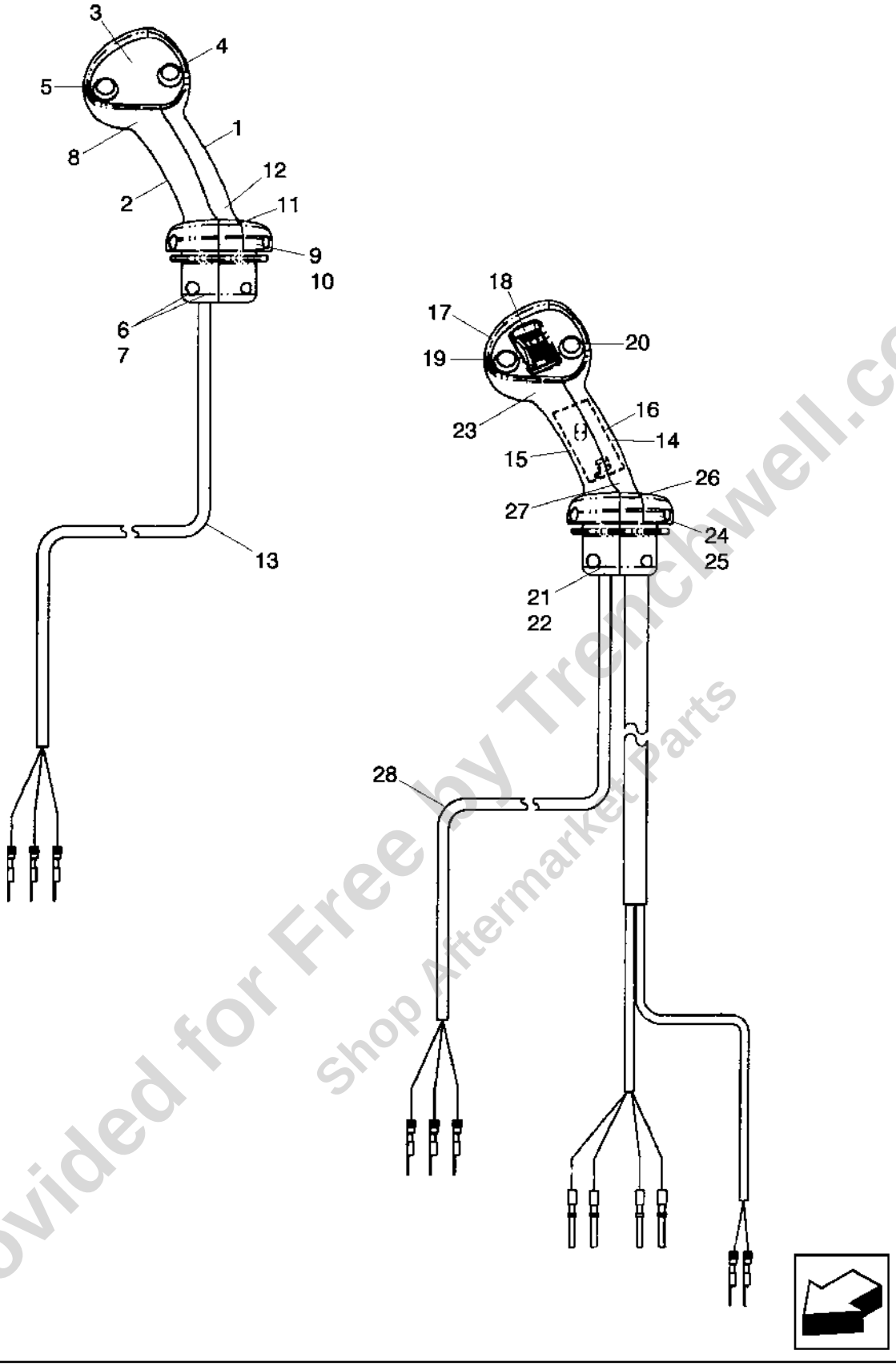
HANDLE, LOADER CONTROL - TRANSMISSION ASSY, 2WD, 4WD



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HANDLE, LOADER CONTROL - TRANSMISSION ASSY, 2WD, 4WD

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87638046		1	JOYSTICK, Loader Control Lever, Two Button, DeClutch and Differential Lock Switches; 2 Spool With Standard Transmission; Incl. 1 - 13
1		NSS		1	NOT SERVICED SEPARATELY, GRIP Handle, Loader Control, RH Half
2		NSS		1	NOT SERVICED SEPARATELY, GRIP Handle, Loader Control, LH Half
3		NSS		1	NOT SERVICED SEPARATELY, BEZEL Switch Mounting
4		NSS		1	NOT SERVICED SEPARATELY, SWITCH Push Button, Differential Lock
5		NSS		1	NOT SERVICED SEPARATELY, SWITCH Push Button, De-Clutch
6		825-1404		4	NUT, M4, Cl 8
7		86639294		4	HEX SOC SCREW, Hex Soc Hd, M4 x 20, 8.8
8		260-16312		2	SELF-TAP SCREW
9		87019103		2	SET SCREW
10		87638350		2	NUT
11		87689189		1	CABLE STRAP
12		87689338		1	SCREW
13		NSS		1	NOT SERVICED SEPARATELY, HARNESS Differential Lock and De-Clutch
		87638047		1	JOYSTICK, Loader Control Lever, Two Button, DeClutch and Differential Lock, Prop Roller With Detent; 3 Spool With Standard Transmission; Incl. 14 - 28
14		NSS		1	NOT SERVICED SEPARATELY, GRIP Handle, Loader Control, RH Half
15		NSS		1	NOT SERVICED SEPARATELY, GRIP Handle, Loader Control, LH Half
16		NSS		1	NOT SERVICED SEPARATELY, BOARD Circuit With Harness; Bi-Directional PWM Driver
17		NSS		1	NOT SERVICED SEPARATELY, BEZEL Switch Mounting

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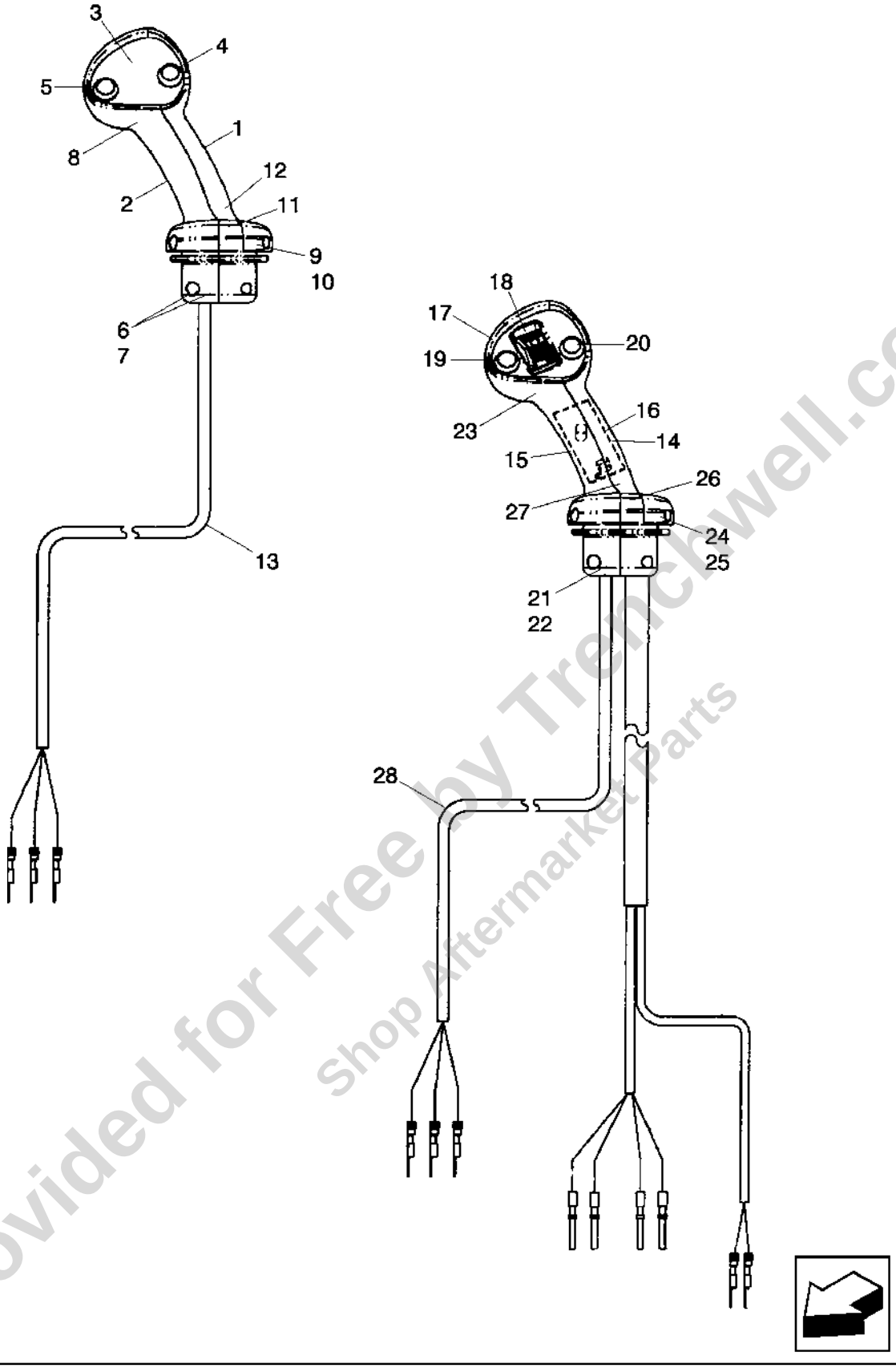
HANDLE, LOADER CONTROL - TRANSMISSION ASSY, 2WD, 4WD



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HANDLE, LOADER CONTROL - TRANSMISSION ASSY, 2WD, 4WD

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
18		NSS		1	NOT SERVICED SEPARATELY, SWITCH Prop Roller With Detent
19		NSS		1	NOT SERVICED SEPARATELY, SWITCH Push Button, De-Clutch
20		NSS		1	NOT SERVICED SEPARATELY, SWITCH Push Button, Differential Lock
21		825-1404		4	NUT, M4, Cl 8
22		86639294		4	HEX SOC SCREW, Hex Soc Hd, M4 x 20, 8.8
23		260-16312		2	SELF-TAP SCREW
24		87019103		2	SET SCREW
25		87638350		2	NUT
26		87689189		1	CABLE STRAP
27		87689338		1	SCREW
28		NSS		1	NOT SERVICED SEPARATELY, HARNESS Differential Lock and De-Clutch

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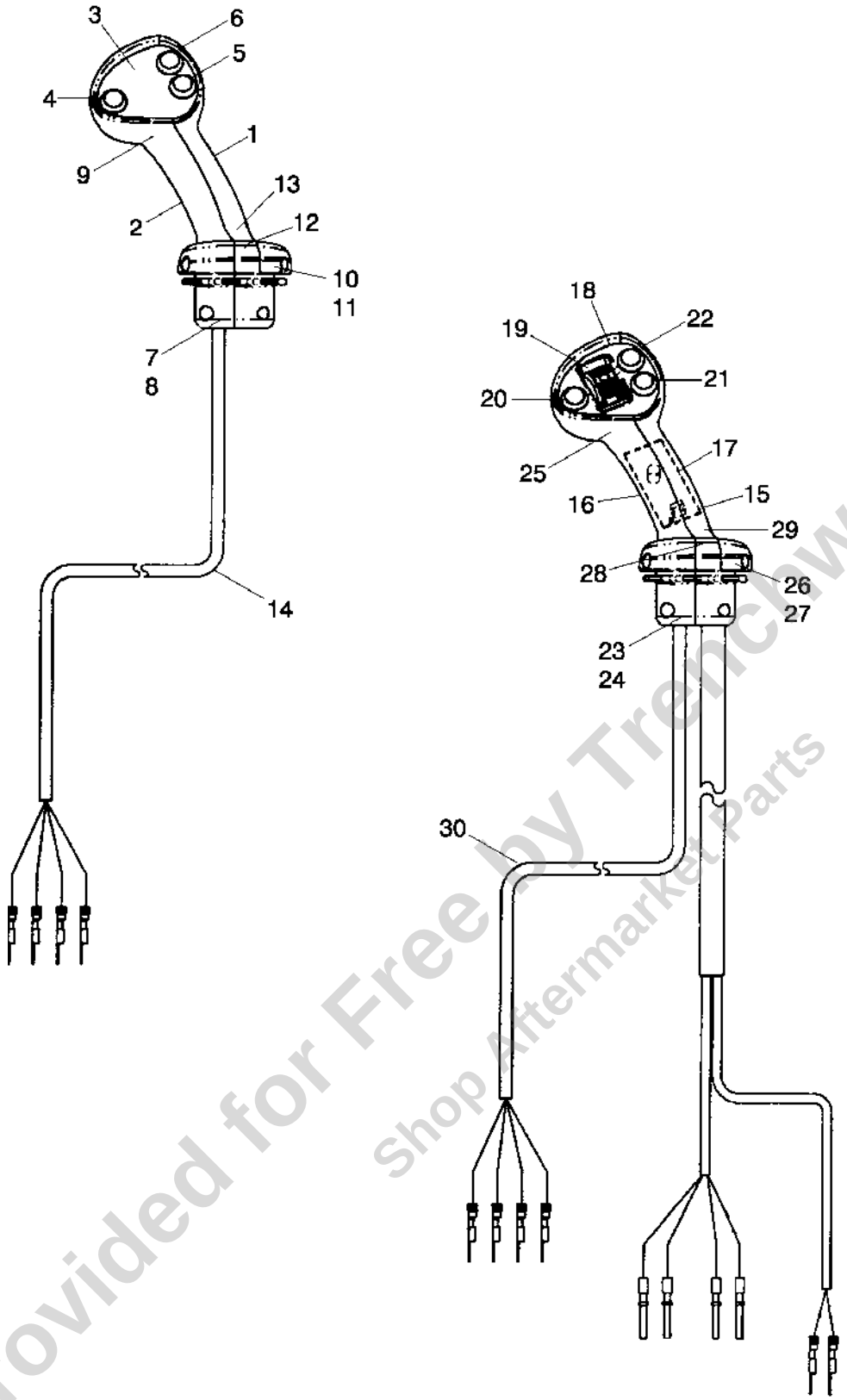
HANDLE, LOADER CONTROL - POWER SHIFT TRANSMISSION



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HANDLE, LOADER CONTROL - POWER SHIFT TRANSMISSION

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87638045		1	JOYSTICK, Loader Control Lever,Three Button, DeClutch, Differential Lock, And Kick-Down Switches; 2 Spool With Power Shift Transmission; Incl. 1 - 14
1		NSS		1	NOT SERVICED SEPARATELY, GRIP Handle, Loader Control, RH Half
2		NSS		1	NOT SERVICED SEPARATELY, GRIP Handle, Loader Control, LH Half
3		NSS		1	NOT SERVICED SEPARATELY, BEZEL Switch Mounting
4		NSS		1	NOT SERVICED SEPARATELY, SWITCH Push Button, De-Clutch Differential Lock
5		NSS		1	NOT SERVICED SEPARATELY, SWITCH Push Button, Differential Lock
6		NSS		1	NOT SERVICED SEPARATELY, SWITCH Push Button, Kick-Down
7		825-1404		4	NUT, M4, Cl 8
8		86639294		4	HEX SOC SCREW, Hex Soc Hd, M4 x 20, 8.8
9		260-16312		2	SELF-TAP SCREW
10		87019103		2	SET SCREW
11		87638350		2	NUT
12		87689189		1	CABLE STRAP
13		87689338		1	SCREW
14		NSS		1	NOT SERVICED SEPARATELY, HARNESS Differential Lock, De-Clutch, Kick -Down
		87638044		1	JOYSTICK, Loader Control Lever, Three Button, DeClutch, Differential Lock, And Kick-Down Switches, Prop Roller With Detent; 3 Spool With Power Shift Transmission; Incl. 15 - 30
15		NSS		1	NOT SERVICED SEPARATELY, GRIP Handle, Loader Control, RH Half
16		NSS		1	NOT SERVICED SEPARATELY, GRIP Handle, Loader Control, LH Half
17		NSS		1	NOT SERVICED SEPARATELY, BOARD Circuit With Harness; Bi-Directional PWM Driver

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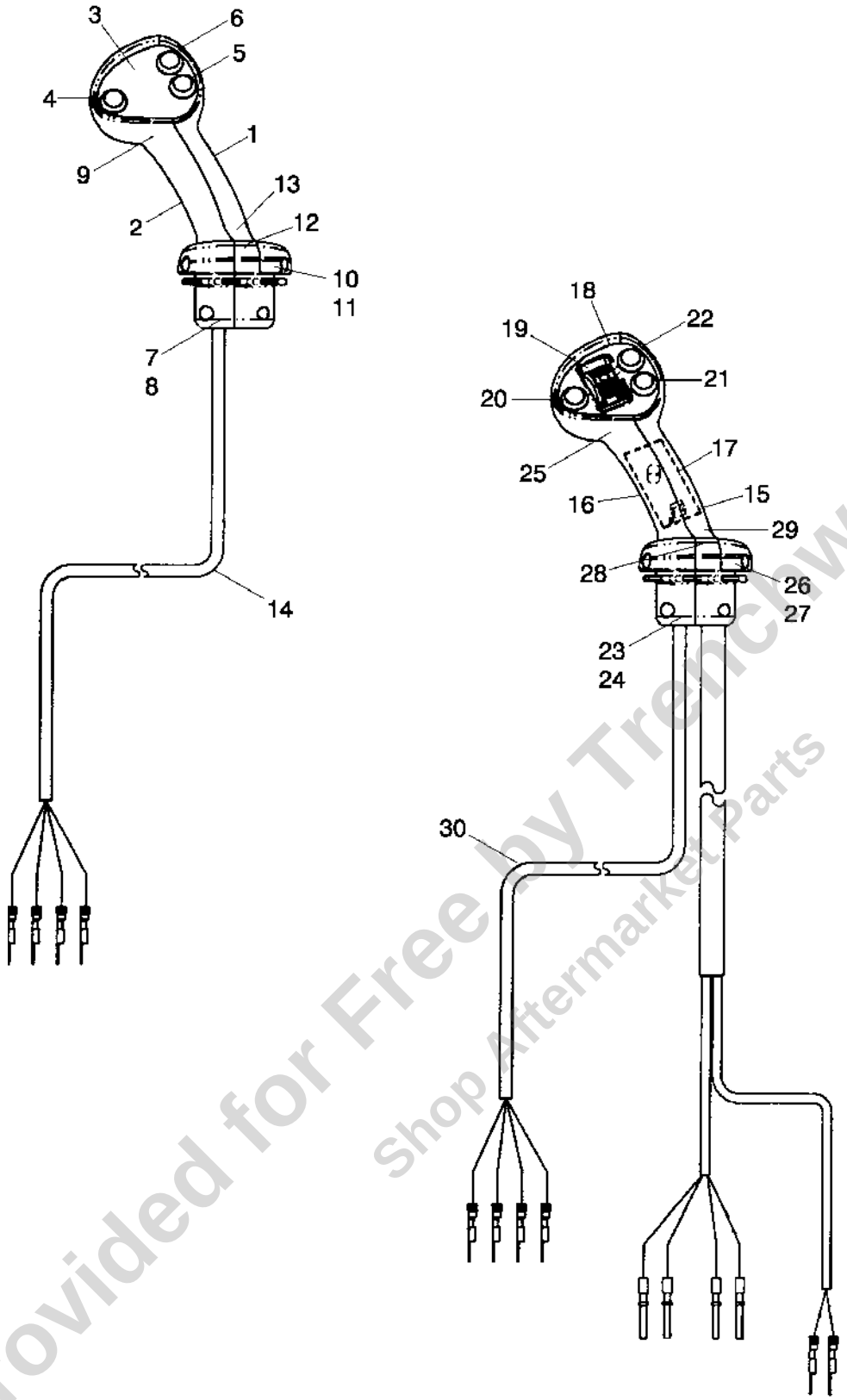
HANDLE, LOADER CONTROL - POWER SHIFT TRANSMISSION



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HANDLE, LOADER CONTROL - POWER SHIFT TRANSMISSION

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
18		NSS		1	NOT SERVICED SEPARATELY, BEZEL Switch Mounting
19		NSS		1	NOT SERVICED SEPARATELY, SWITCH Prop Roller With Detent
20		NSS		1	NOT SERVICED SEPARATELY, SWITCH Push Button, De-Clutch
21		NSS		1	NOT SERVICED SEPARATELY, SWITCH Push Button, Differential Lock
22		NSS			NOT SERVICED SEPARATELY, SWITCH Push Button, Kick-Down
23		825-1404		4	NUT, M4, Cl 8
24		86639294		4	HEX SOC SCREW, Hex Soc Hd, M4 x 20, 8.8
25		260-16312		2	SELF-TAP SCREW
26		87019103		2	SET SCREW
27		87638350		2	NUT
28		87689189		1	CABLE STRAP
29		87689338		1	SCREW
30		NSS		1	NOT SERVICED SEPARATELY, HARNESS Differential Lock, De-Clutch, Kick-Down

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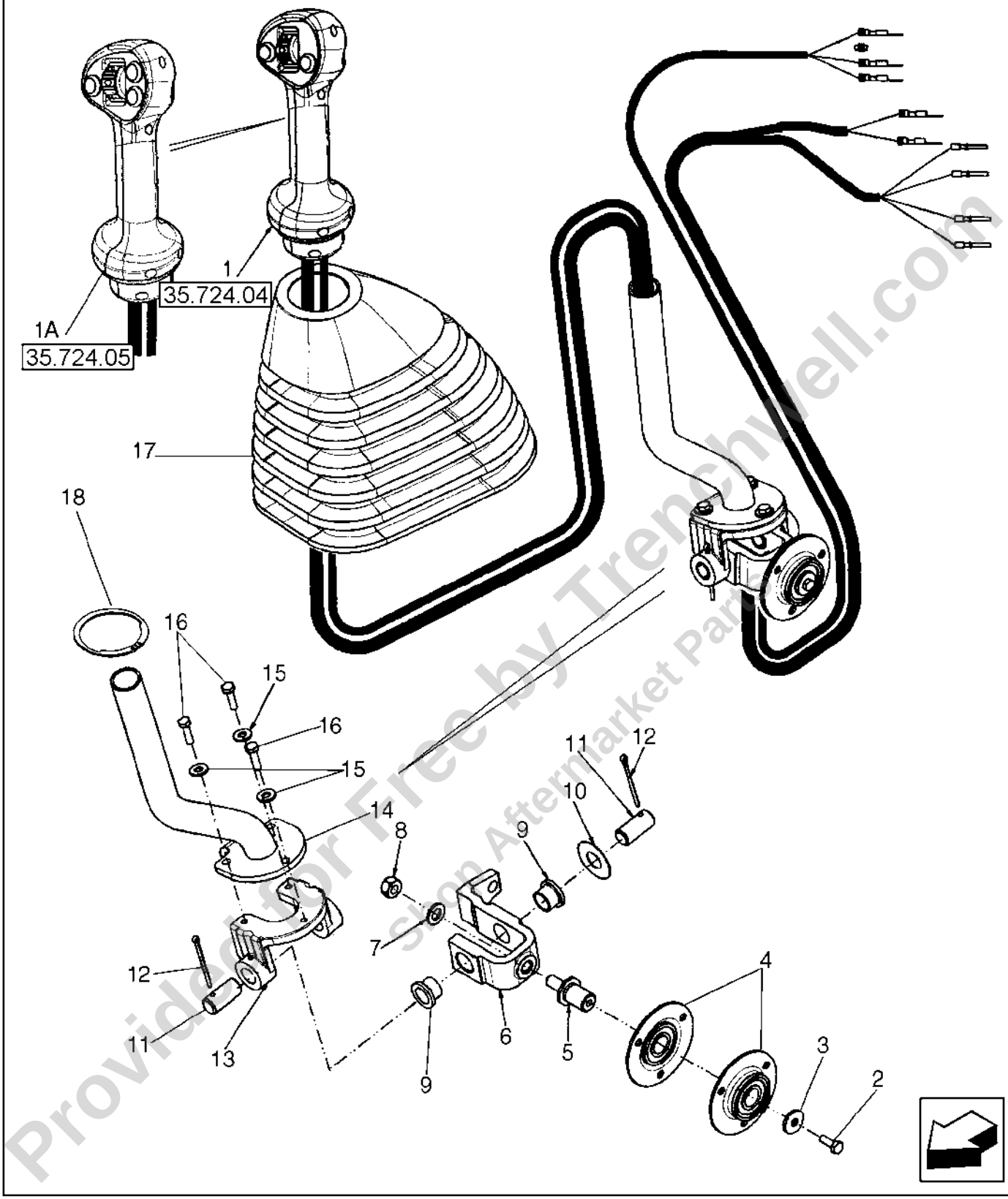
CONTROLS - LOADER CLAM



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CONTROLS - LOADER CLAM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87638047		1	JOYSTICK, Loader Control Lever, Two Button, DeClutch and Differential Lock, Prop Roller With Detent; 3 Spool; See Figure 09-01B
		256347A1		1	CONNECTOR
		258616A1		1	LOCK
		298176A1		1	PLUG
		256341A1		1	ELEC CONNECTOR, Male, 2 Pin
		239451A1		1	ELEC CONNECTOR, Female, 4 Pin
		225327C1		1	WEDGE
		258613A1		1	LOCK
1A		87638044		1	JOYSTICK, Loader Control Lever, Three Button, DeClutch, Differential Lock and Kick Down, Prop Roller With Detent; 3 Spool; See Figure 09-01C
		256347A1		1	CONNECTOR
		258616A1		1	LOCK
		256341A1		1	ELEC CONNECTOR, Male, 2 Pin
		239451A1		1	ELEC CONNECTOR, Female, 4 Pin
		225327C1		1	WEDGE
		258613A1		1	LOCK
2		614-6016		1	BOLT, Hex, M6 x 16, 8.8
3		396-41028		1	WASHER, .281" x 7/8" x .098", HDN
4		112380A1		2	BEARING ASSY
5		176309A1		1	SHAFT
6		87586156		1	LINKAGE YOKE
7		895-11010		1	WASHER, M10 x 20 x 2
8		829-1410		1	NUT, M10, Cl 10
9		108088A1		2	BUSHING
10		495-81184		1	WASHER, 21/32" x 1 1/2" x .030"
11		102761A1		2	PIN
12		432-828		2	COTTER PIN, 1/8" x 1 3/4"
13		87681261		1	BRACKET
14		87708015		1	HANDLE
15		495-11028		3	WASHER, 1/4", SAE
16		614-6020		3	BOLT, Hex, M6 x 20, 8.8
17		87632920		1	BOOT

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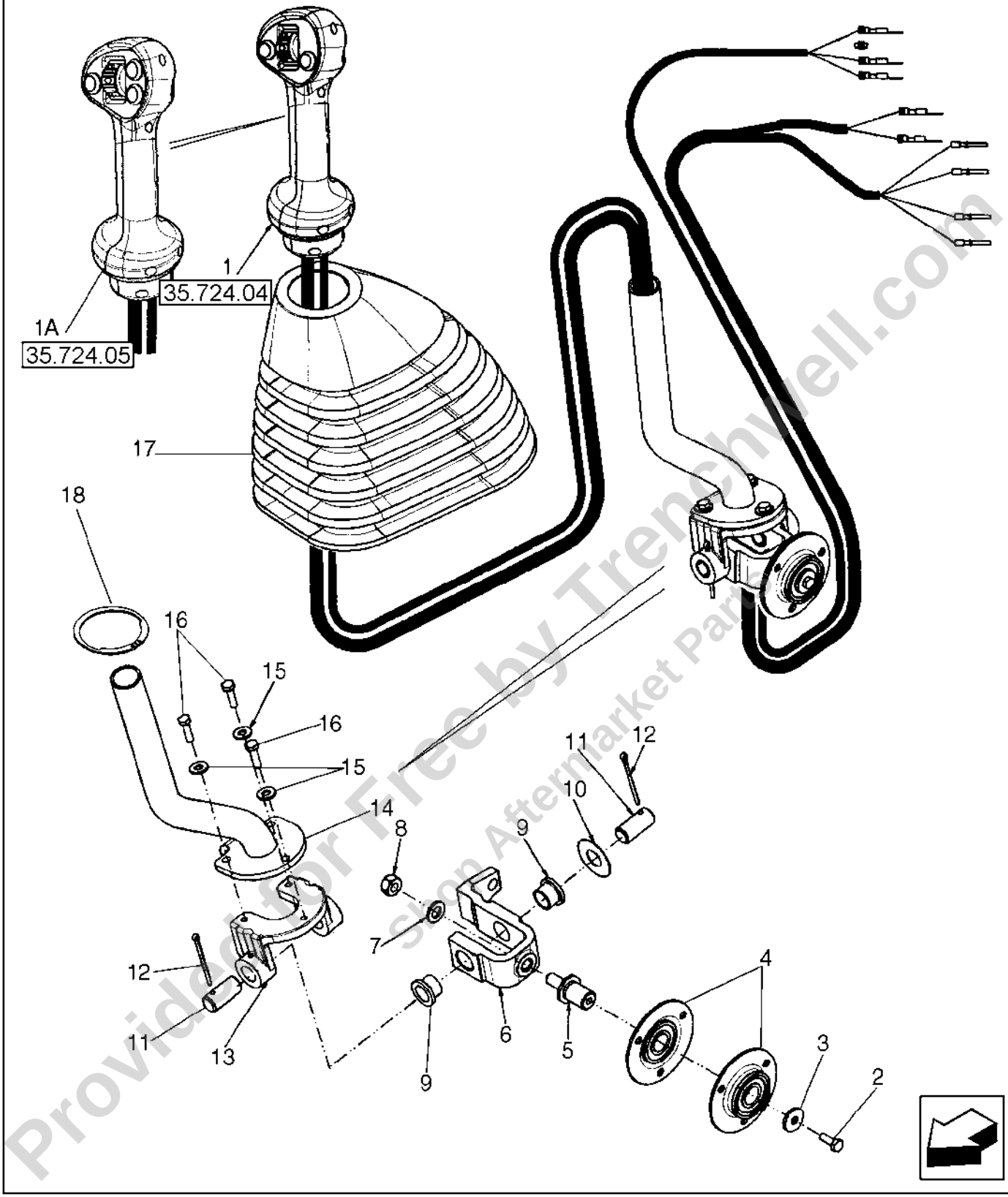
CONTROLS - LOADER CLAM



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CONTROLS - LOADER CLAM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
18		84146318		1	SNAP RING

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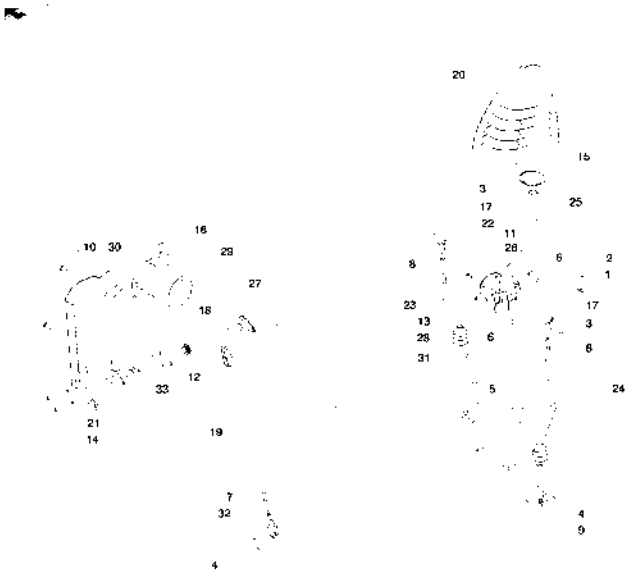
CONTROLS - LOADER LIFT AND BUCKET



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CONTROLS - LOADER LIFT AND BUCKET

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		131-121		1	NUT, Tinn, U, #10-24
2		140-107		1	SCREW, Cross Pan Hd, #10-24 x 3/4"
3		232-4246		2	LOCK NUT, 3/8"-16, GC
4		D149287		4	PIN
5		353-422		1	PLUG, Dome, 1.250" hole, Nylon
6		413-624		2	BOLT, Hex, 3/8"-16 x 1 1/2", G5
7		425-115		1	NUT, 5/16"-24, G5
8		425-116		2	NUT, 3/8"-24, G5
9		432-612		4	COTTER PIN, 3/32" x 3/4"
10		614-10020		2	BOLT, Hex, M10 x 20, 8.8, Full Thd
11		614-6020		3	BOLT, Hex, M6 x 20, 8.8
12		43127		4	SCREW, Hex, M8 x 25, 8.8
13		829-1406		3	NUT, M6, Cl 10
14		829-1408		4	NUT, M8, Cl 10
15		84169264		1	SNAP RING
16		84292801		1	CAM
17		87382812		2	BALL JOINT
18		87417601		1	ROD ASSY.
19		87428645		1	CABLE
20		87632920		1	BOOT
21		87655042		4	SPECIAL WASHER
22		87655046		3	SPECIAL WASHER
23		87664422		1	ROD
24		87664425		1	ROD
25		NS		1	NOT SERVICED, See Fig. 35.724.07(02)
26		87713130		3	WASHER
27		124721A1		1	SPRING
28		132931A1		2	BOOT
29		137283A1		1	WASHER
30		139865A1		1	SHIELD
31		189109A1		2	SPRING
32		239406A1		1	CLEVIS
33		D143591		2	RING SNAP

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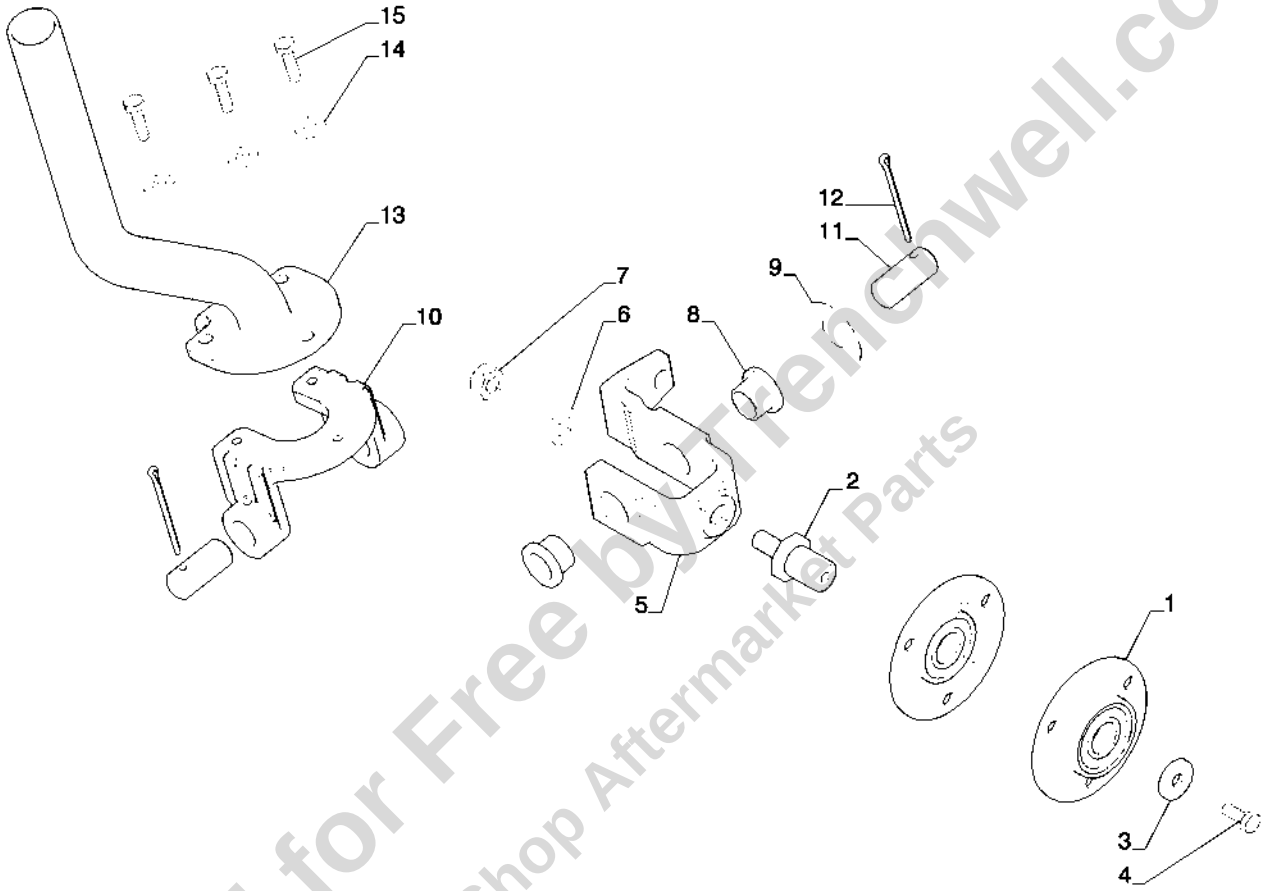
CONTROL - LOADER LIFT AND BUCKET



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CONTROL - LOADER LIFT AND BUCKET

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		112380A1		2	BEARING ASSY
2		176309A1		1	SHAFT
3		396-41028		1	WASHER, .281" x 7/8" x .098", HDN
4		614-6016		1	BOLT, Hex, M6 x 16, 8.8
5		87586156		1	LINKAGE YOKE
6		895-11010		1	WASHER, M10 x 20 x 2
7		829-1410		1	NUT, M10, Cl 10
8		108088A1		1	BUSHING
9		495-81184		1	WASHER, 21/32" x 1 1/2" x .030"
10		87681261		1	BRACKET
11		102761A1		2	PIN
12		432-828		2	COTTER PIN, 1/8" x 1 3/4"
13		87708015		1	HANDLE
14		495-11028		3	WASHER, 1/4", SAE
15		614-6020		3	BOLT, Hex, M6 x 20, 8.8

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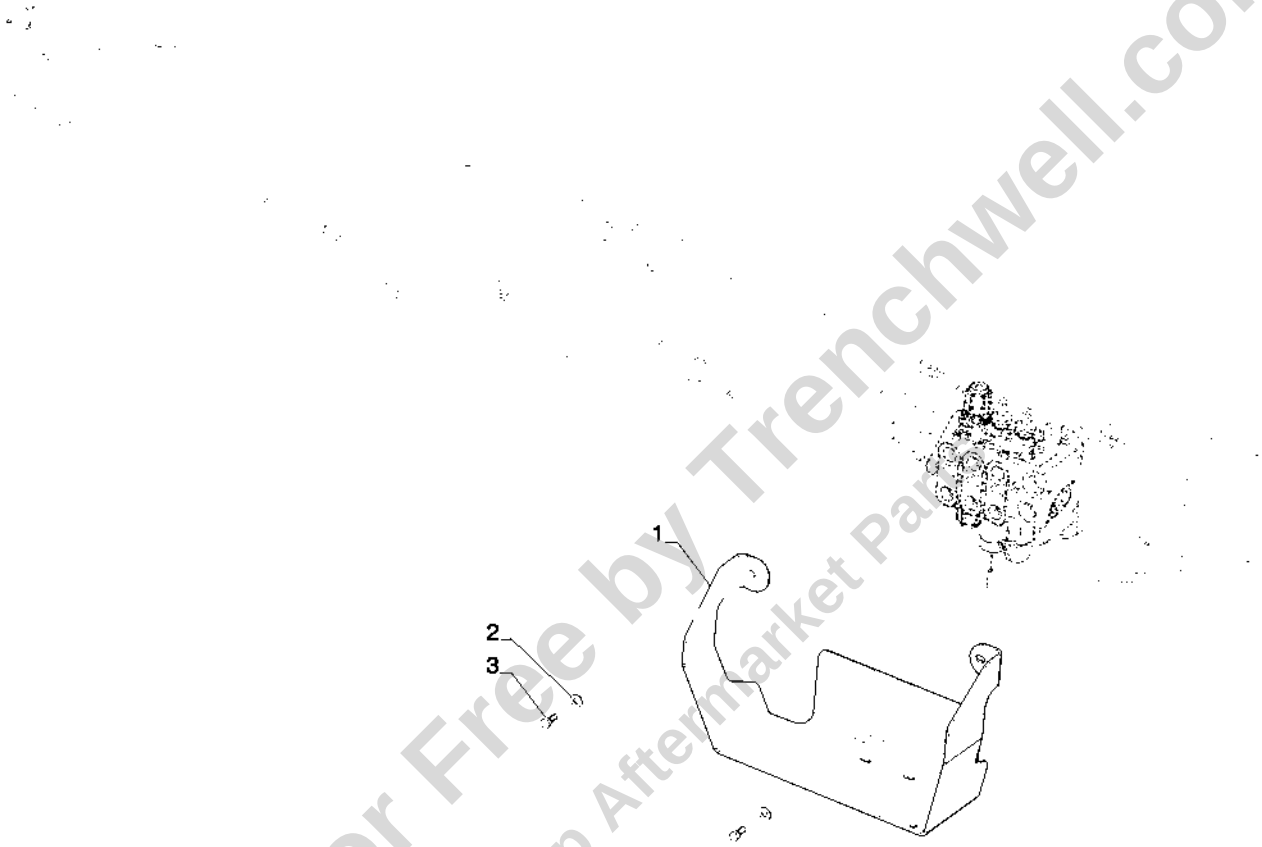
VALVE - LOADER CONTROL, GUARD



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VALVE - LOADER CONTROL, GUARD

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84144410		1	GUARD
2		87655046		2	SPECIAL WASHER
3		614-10025		2	BOLT, Hex, M10 x 25, 8.8, Full Thd

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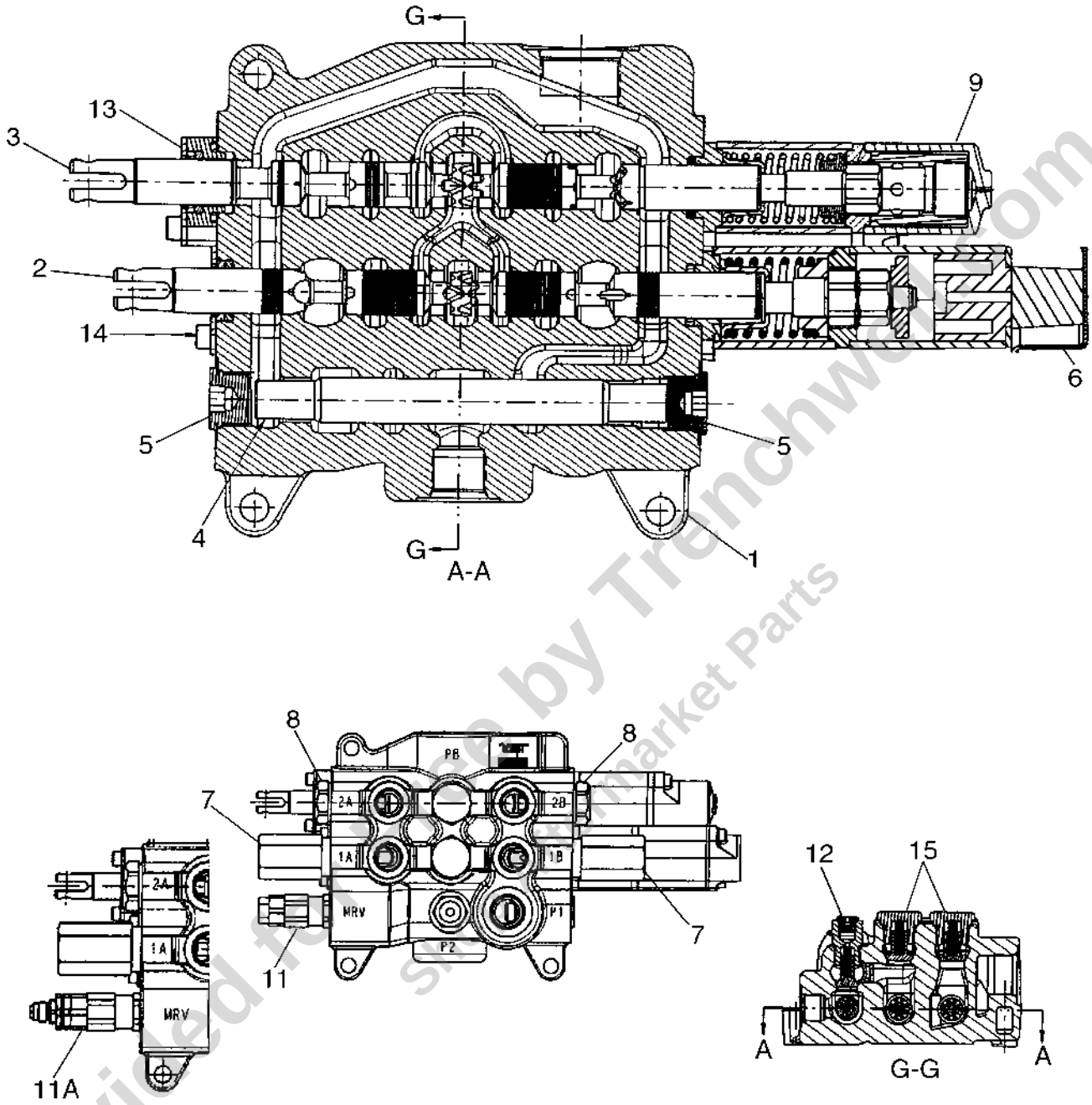
VALVE - LOADER CONTROL, TWO SPOOL (580SN, 580SN WT, 590SN)



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VALVE - LOADER CONTROL, TWO SPOOL (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84217762		1	VALVE, Two Spool Loader, Used On Models Without Pilot Controls; Inc 1 - 11, 12 - 15
		84219975		1	VALVE, Two Spool Loader, Used On Models With Pilot Controls; Inc 1 - 5, 6A - 9, 11A - 15
1		NSS		1	NOT SERVICED SEPARATELY, HOUSING
2		NSS		1	NOT SERVICED SEPARATELY, SPOOL, Bucket
3		NSS		1	NOT SERVICED SEPARATELY, SPOOL, Lift
4		NSS		1	NOT SERVICED SEPARATELY, SPOOL
5		87426233		2	PLUG, 7/8 - 14 NF, Serviceable Includes (1) 87455974 O-Ring
6		84296814		1	KIT, Magnetic Detent
7		87450978		2	PRESSURE RELIEF VALVE, Some Component Parts Not Serviced Separately; Includes Serviceable 87455549 Seal Kit
8		81868381		2	VALVE, CHECK, Load, Anti-Void; Component Parts Not Serviced Separately; Includes Serviceable 87455580 Seal Kit
9		87426227		1	DETENT, Manual, Lift; Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87454547 O-Ring, (2) 87310275 Scew, (4) 87310276 Ball Bearing
11		87426717		1	PRESSURE RELIEF VALVE, Main, Single Stage; 87351494 Loader Valve, Models Without Pilot Controls; Component Parts Not Serviced Separately; Includes Serviceable 87455551 Seal Kit
11A		87426235		1	PRESSURE RELIEF VALVE, Main, Two Stage; 87351498 Loader Valve, Models With Pilot Controls; Component Parts Not Serviced Separately; Includes Serviceable 87455550 Seal Kit
12		87426716		1	VALVE, CHECK, Some Component Parts Not Serviced Separately; Includes Serviceable (1) 87455974 O-Ring, (1) 87309001 O-Ring, (1) 87446002 Poppet, (1) 87446003 Spring

580SN WT 590SN
580SN

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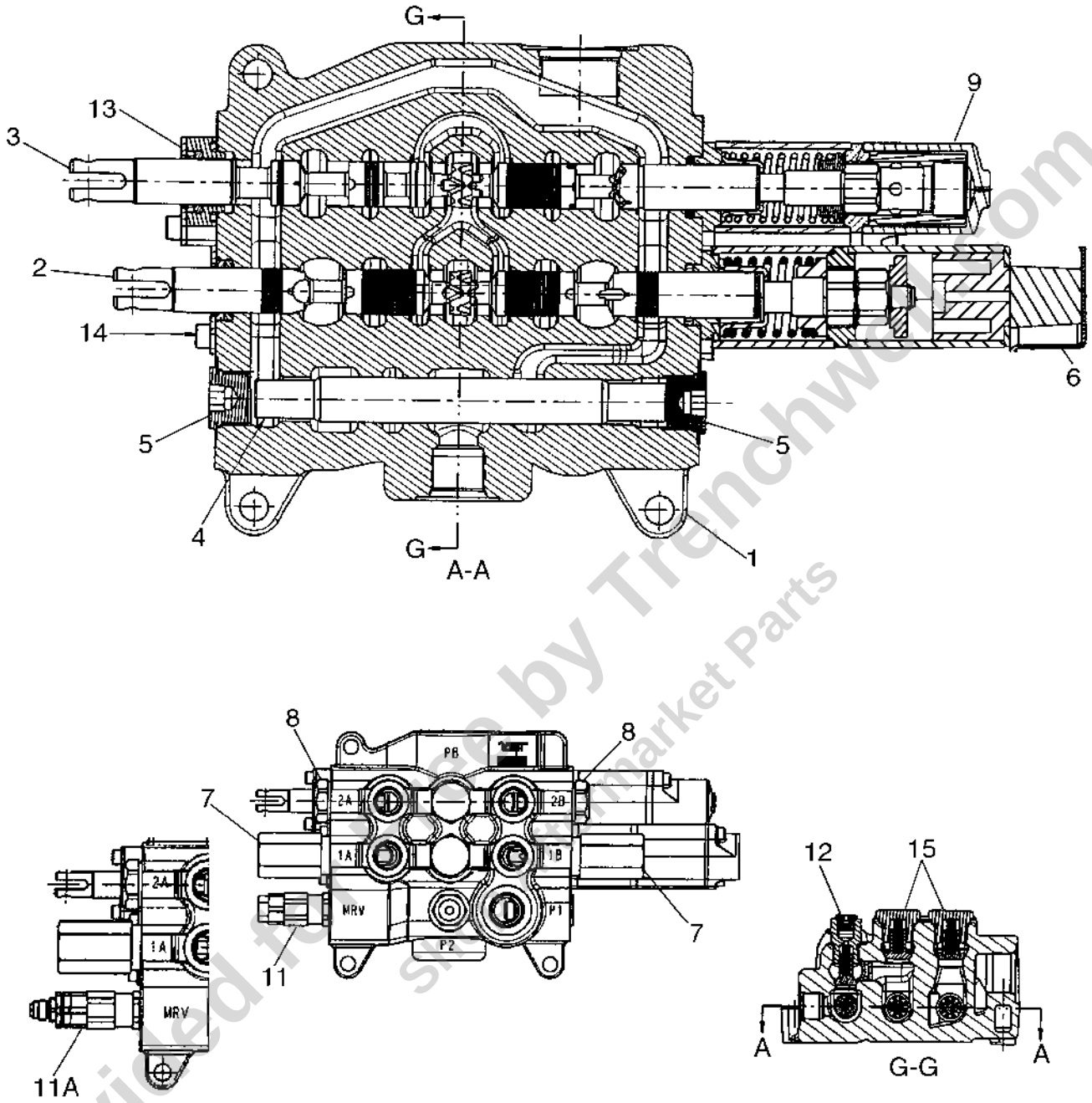
VALVE - LOADER CONTROL, TWO SPOOL (580SN, 580SN WT, 590SN)



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VALVE - LOADER CONTROL, TWO SPOOL (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
13		87440815		1	PLATE, Lift Spool and Seal Assembly; Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87454547 O-Ring, (1) 87454548 Seal, (1) 87455538 O-Ring, (2) 87455534 Screw
14		87440814		1	KIT, Bucket Spool and Seal Assembly; Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87454547 O-Ring, (1) 87454548 Seal, (2) 87455540 Screw
15		87426238		2	VALVE, CHECK, Component Parts Not Serviced Separately; Includes Serviceable 87455975 O-Ring
16		84327674		1	KIT, Seal Plate, Mech A Port (Not Shown)

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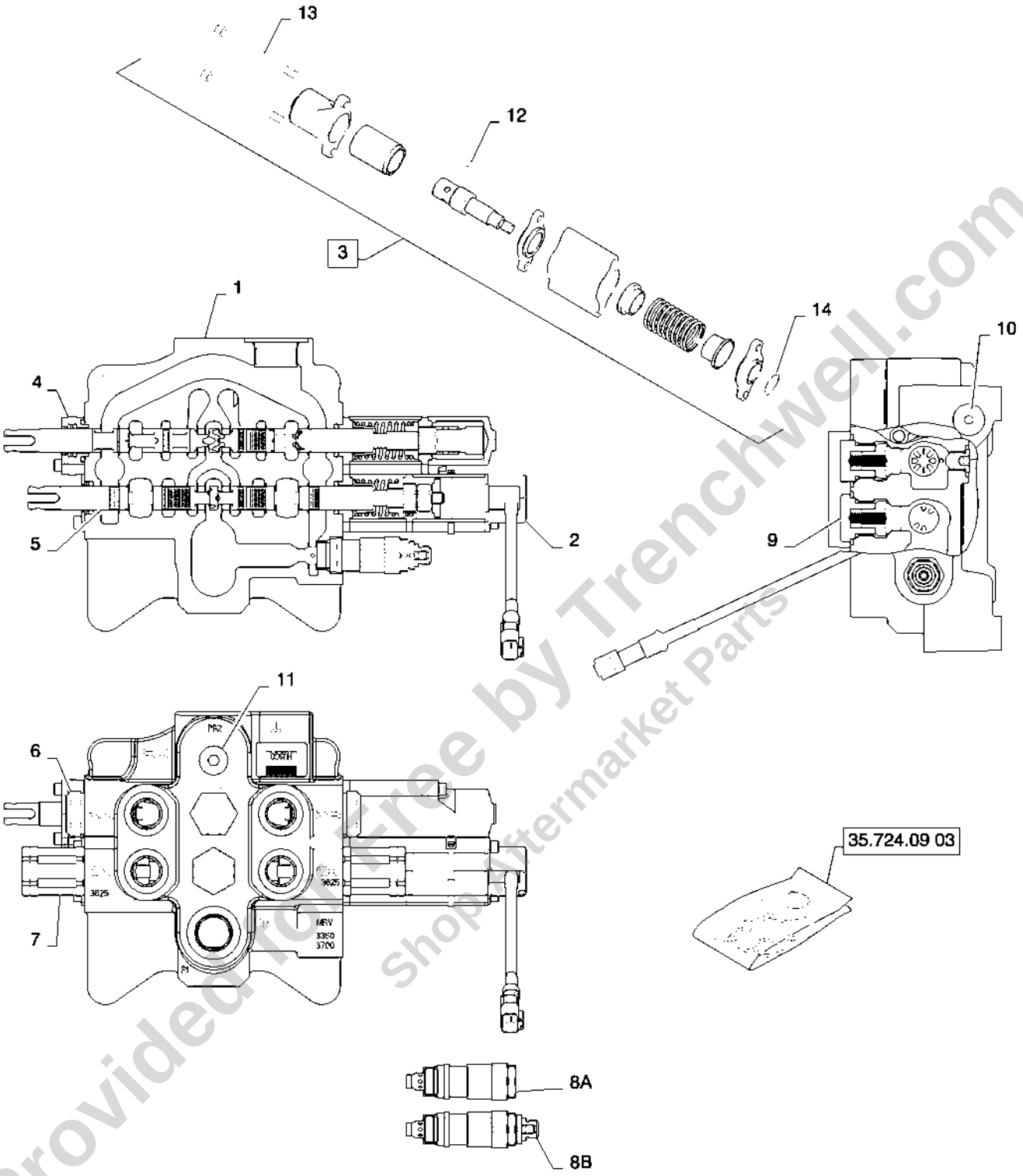
VALVE - LOADER CONTROL, TWO SPOOL (580N)



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VALVE - LOADER CONTROL, TWO SPOOL (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84218271		1	VALVE, Two Spool Loader; Used On Models Without Pilot Controls; Incl. Ref 1 - 7, 8A, 9 - 11
		84218265		1	VALVE, Two Spool Loader; Used On Models With Pilot Controls; Incl. Ref 1 - 7, 8B, 9 - 11
		84296788		1	KIT, Seal; See Figure 35.724.09(03)
1		NSS		1	NOT SERVICED SEPARATELY, HOUSING; Order 84218271 or 84218265
2		84296814		1	KIT, Magnetic Detent
3		87426227		1	DETENT, Manual Lift; Incl. Ref 12 - 14
4		84327674		1	KIT, Seal Plate, Mech. A Port
5		84315193		1	SEAL
6		81868381		2	VALVE, CHECK, Load, Anti-Void
		87455580		1	SEAL KIT, Anti-Void Check Valve
7		84296801		2	PRESSURE RELIEF VALVE, Loader Dump
8A		87570539		1	HYDRAULIC VALVE, Relief; Used On Models Without Pilot Controls
8B		84327668		1	PRESSURE RELIEF VALVE, Used On Models With Pilot Controls
9		87426238		2	VALVE, CHECK, Incl. O-Ring 87455975
10		9625178		2	PLUG, Hex Soc, 9/16"-18 ORB, Incl. O-Ring 9617873
11		86590562		1	PLUG, Hex Soc, 3/4"-16 ORB, Incl. O-Ring 128825
12		87310276		4	BALL BEARING
13		87310275		2	SCREW
14		87454547		1	O-RING

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SEAL KIT - LOADER CONTROL VALVE

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SEAL KIT - LOADER CONTROL VALVE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84296788		1	KIT, Loader Control Valve Seal Kit; Incl. Ref 1 - 21
1		NSS		1	NOT SERVICED SEPARATELY, BACK-UP RING
2		87302608		2	BACK-UP RING, BACK-UP RING
3		87455975		4	O-RING
4		NSS		1	NOT SERVICED SEPARATELY, O-RING
5		87455538		1	O-RING
6		87327076		1	O-RING, O-RING
7		NSS		2	NOT SERVICED SEPARATELY, O-RING
8		NSS		2	NOT SERVICED SEPARATELY, O-RING
9		87454547		4	O-RING
10		NSS		2	NOT SERVICED SEPARATELY, O-RING
11		NSS		1	NOT SERVICED SEPARATELY, O-RING
12		87455974		1	O-RING
13		NSS		2	NOT SERVICED SEPARATELY, WASHER
14		NSS		2	NOT SERVICED SEPARATELY, WIPER
15		NSS		2	NOT SERVICED SEPARATELY, O-RING
16		NSS		2	NOT SERVICED SEPARATELY, O-RING
17		NSS		1	NOT SERVICED SEPARATELY, O-RING
18		NSS		1	NOT SERVICED SEPARATELY, O-RING
19		NSS		1	NOT SERVICED SEPARATELY, O-RING
20		128825		1	O-RING, 0.644" ID x 0.087" Width
21		9617873		2	O-RING, 0.468" ID x 0.078" Width

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580SN WT 580SN
590SN 580N

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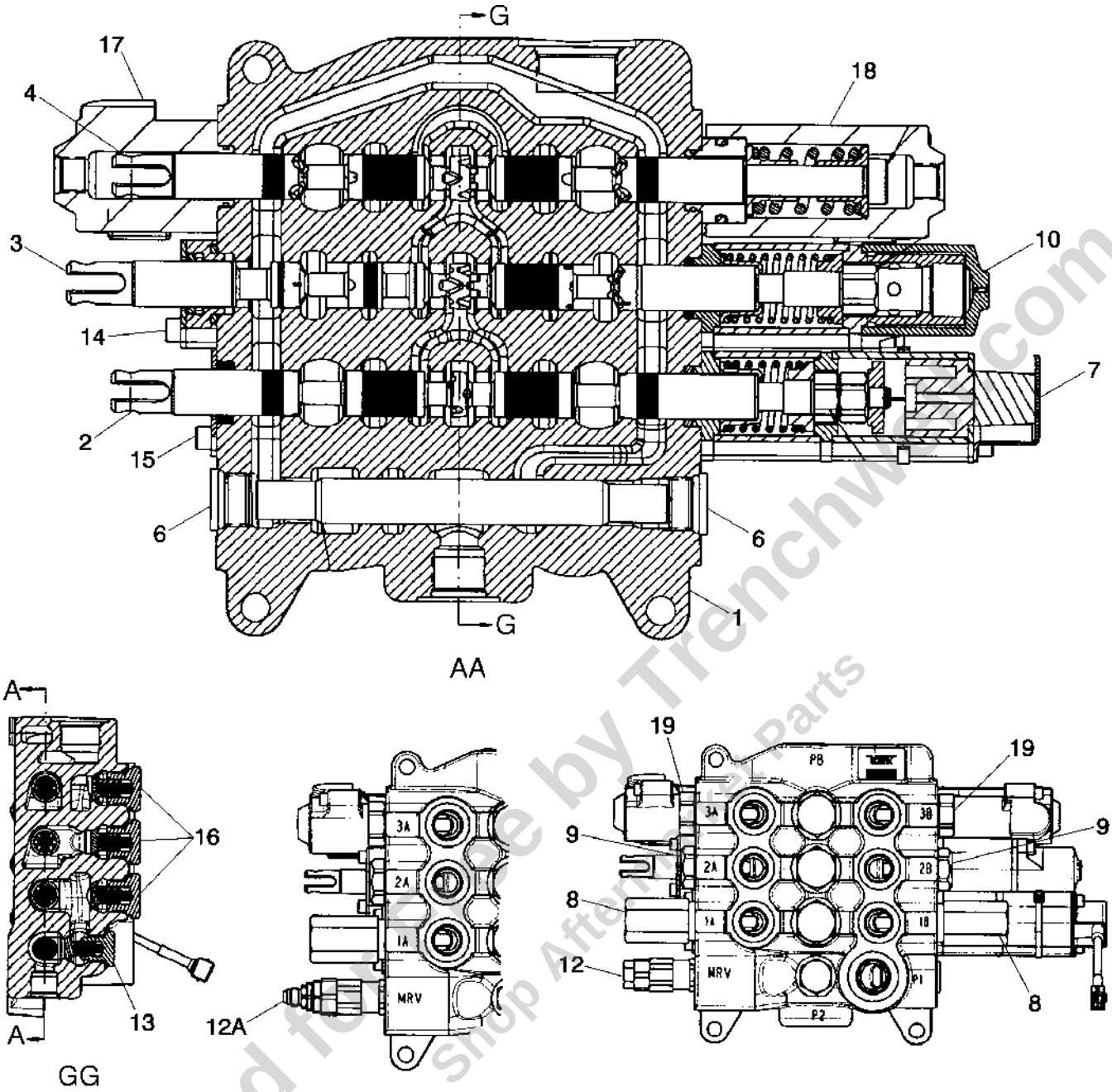
VALVE - LOADER CONTROL, THREE SPOOL (580N)



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VALVE - LOADER CONTROL, THREE SPOOL (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84218282		1	VALVE, Three Spool Loader, Used On Models Without Pilot Controls; Inc 1 - 12, 13 - 19
		84218281		1	VALVE, Three Spool Loader, Used On Models With Pilot Controls; Inc 1 - 10, 12A, 13 - 19
1		NSS		1	NOT SERVICED SEPARATELY, HOUSING
2		NSS		1	NOT SERVICED SEPARATELY, SPOOL Bucket
3		NSS		1	NOT SERVICED SEPARATELY, SPOOL Lift
4		NSS		1	NOT SERVICED SEPARATELY, SPOOL Clam
5		NSS		1	NOT SERVICED SEPARATELY, SPOOL
6		87426233		6	PLUG, 7/8 - 14 NF, Serviceable Includes (1) 87455974 O-Ring
7		84124604		1	DETENT, Magnetic, Bucket; Included In 87351496 or 87351501 Valve, Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87454547 O-Ring, (1) 87515957 Magnet, (2) 87310278 Screw; Replaces 87515955
8		87450978		2	PRESSURE RELIEF VALVE, Some Component Parts Not Serviced Separately; Includes Serviceable 87455549 Seal Kit
9		81868381		2	VALVE, CHECK, Load, Anti-Void; Component Parts Not Serviced Separately; Includes Serviceable 87455580 Seal Kit
10		87426227		1	DETENT, Manual, Lift; Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87454547 O-Ring, (2) 87310275 Screw, (4) 87310276 Ball Bearing
12		87426717		1	PRESSURE RELIEF VALVE, Main, Single Stage; 87434767 or 87351496Loader Valve, Models Without Pilot Controls; Component Parts Not Serviced Separately; Includes Serviceable 87455551 Seal Kit
12A		87426235		1	PRESSURE RELIEF VALVE, Main, Two Stage; 87434769 or 87351501 Loader Valve, Models With Pilot Controls; Component Parts Not Serviced Separately; Includes Serviceable 87455550 Seal Kit

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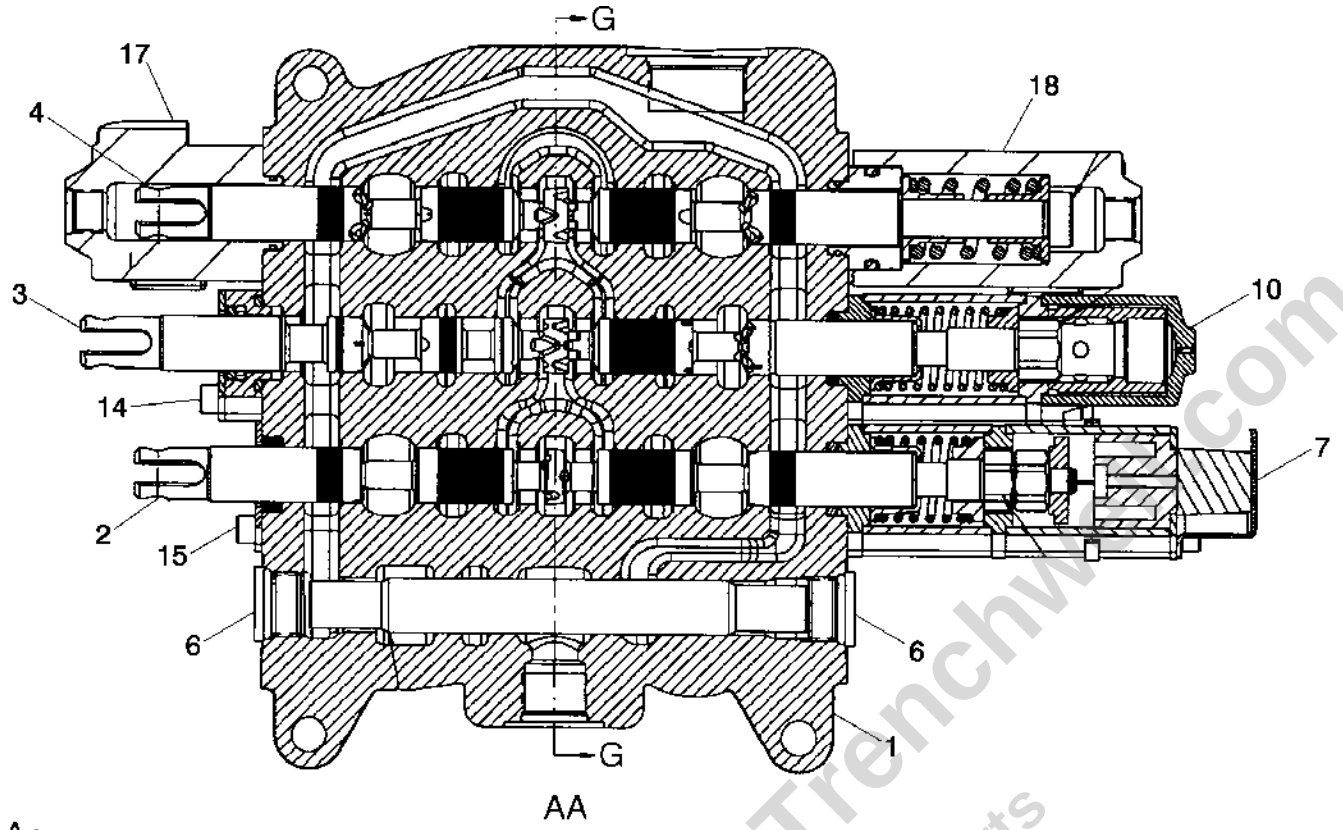
VALVE - LOADER CONTROL, THREE SPOOL (580N)



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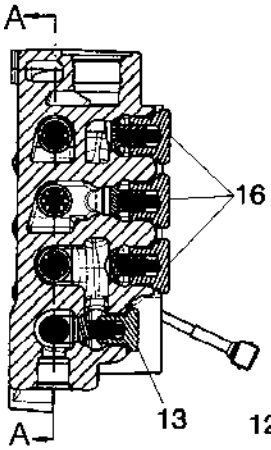

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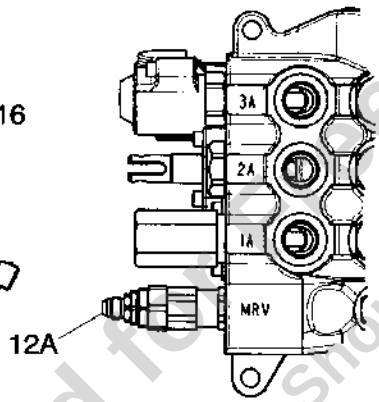

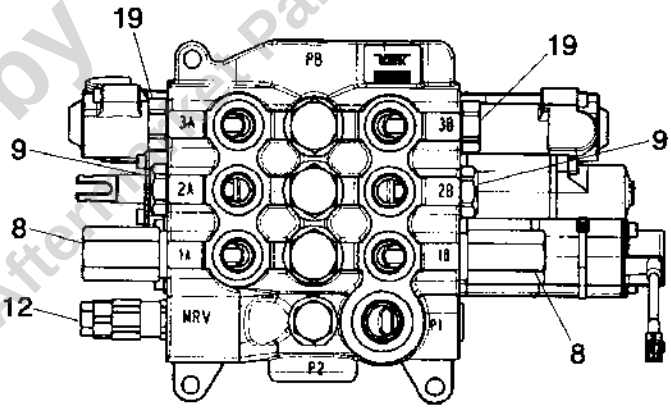

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VALVE - LOADER CONTROL, THREE SPOOL (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
13		87426716		1	VALVE, CHECK, Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87455974 O-Ring, (1) 87309001 O-Ring, (1) 87446002 Poppet, (1) 87446003 Spring
14		87440815		1	PLATE, Lift Spool and Seal Assembly; Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87454547 O-Ring, (1) 87454548 Seal, (1) 87455538 O-Ring, (2) 87455534 Screw
15		87440814		1	KIT, Bucket and Clam Spool and Seal Assembly; Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87454547 O-Ring, (1) 87454548 Seal, (2) 87455540 Screw
16		87426238		3	VALVE, CHECK, Component Parts Not Serviced Separately; Includes Serviceable 87455975 O-Ring
17		87757931		1	END, Cap; Clam Spool; Component Parts Not Available At Time Of Printing
18		87757932		1	END, Cap; Clam Spool; Component Parts Not Available At Time Of Printing
19		83981068		2	STOP PLUG, Shut-Off, Includes Seal; Component Parts Not Serviced Separately

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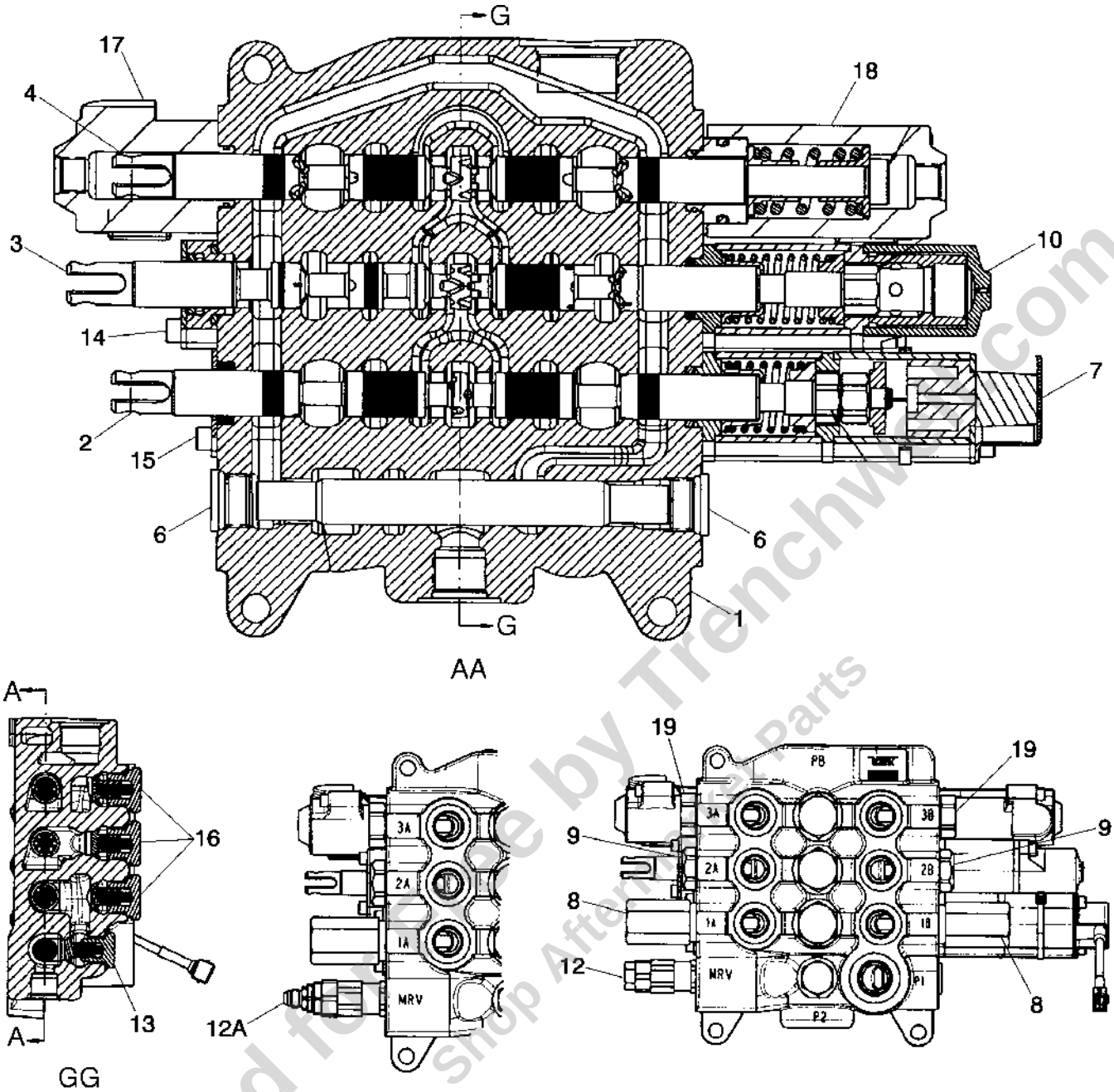
VALVE - LOADER CONTROL, THREE SPOOL (MANUAL CONTROLS) (580SN, 580SN WT, 590SN)



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VALVE - LOADER CONTROL, THREE SPOOL (MANUAL CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84218283		1	VALVE, Three Spool Loader, Used On Models Without Pilot Controls; Inc 1 - 12, 13 - 19
1		NSS		1	NOT SERVICED SEPARATELY, HOUSING
2		NSS		1	NOT SERVICED SEPARATELY, SPOOL Bucket
3		NSS		1	NOT SERVICED SEPARATELY, SPOOL Lift
4		NSS		1	NOT SERVICED SEPARATELY, SPOOL Clam
5		NSS		1	NOT SERVICED SEPARATELY, SPOOL
6		87426233		6	PLUG, 7/8 - 14 NF, Serviceable Includes (1) 87455974 O-Ring
7		84124604		1	DETENT, Magnetic, Bucket; Included In 87351496 or 87351501 Valve, Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87454547 O-Ring, (1) 87515957 Magnet, (2) 87310278 Screw; Replaces 87515955
8		87450978		2	PRESSURE RELIEF VALVE, Some Component Parts Not Serviced Separately; Includes Serviceable 87455549 Seal Kit
9		81868381		2	VALVE, CHECK, Load, Anti-Void; Component Parts Not Serviced Separately; Includes Serviceable 87455580 Seal Kit
10		87426227		1	DETENT, Manual, Lift; Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87454547 O-Ring, (2) 87310275 Screw, (4) 87310276 Ball Bearing
12		87426717		1	PRESSURE RELIEF VALVE, Main, Single Stage; 87434767 or 87351496Loader Valve, Models Without Pilot Controls; Component Parts Not Serviced Separately; Includes Serviceable 87455551 Seal Kit
12A		87426235		1	PRESSURE RELIEF VALVE, Main, Two Stage; 87434769 or 87351501 Loader Valve, Models With Pilot Controls; Component Parts Not Serviced Separately; Includes Serviceable 87455550 Seal Kit

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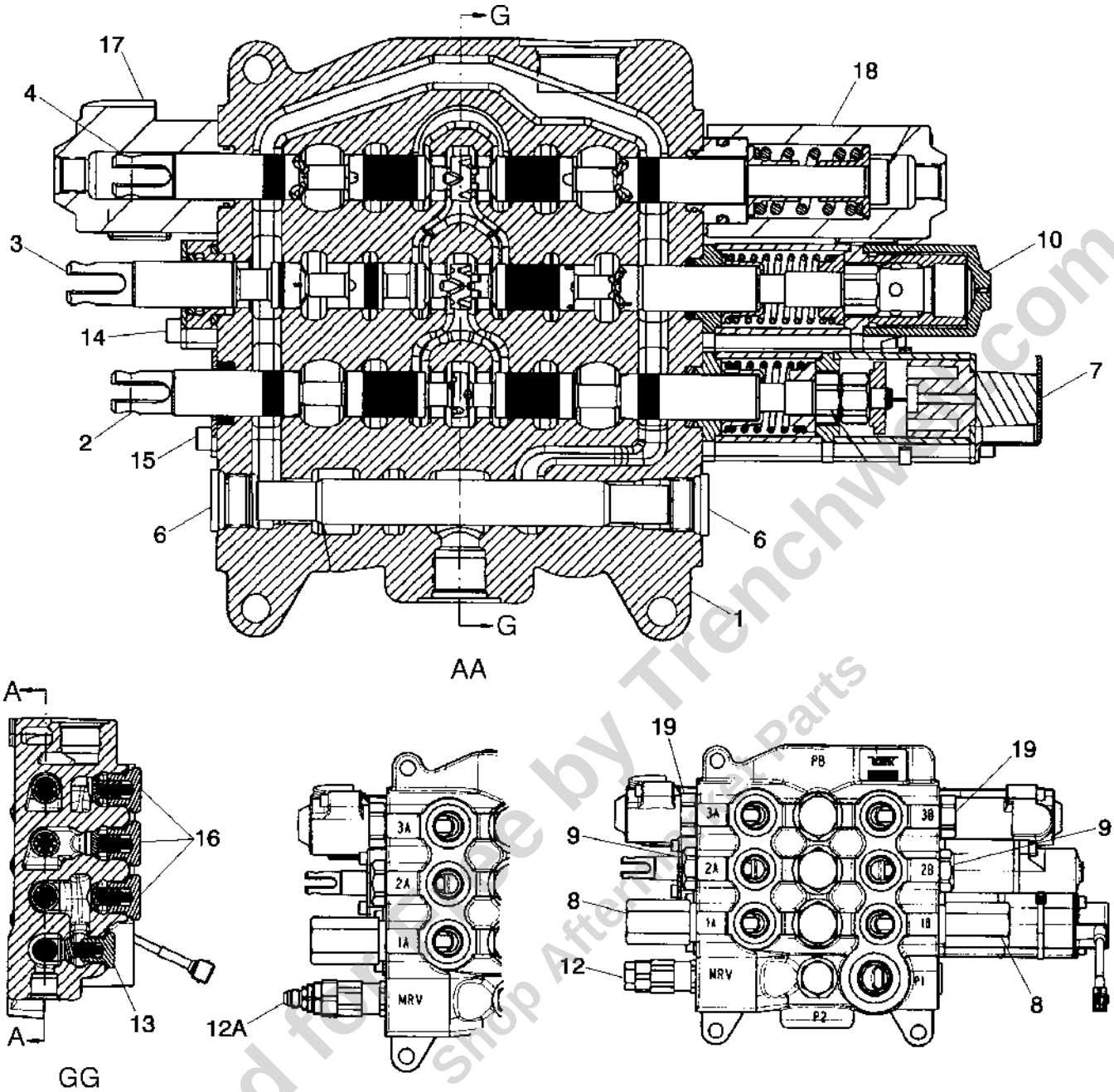
VALVE - LOADER CONTROL, THREE SPOOL (MANUAL CONTROLS) (580SN, 580SN WT, 590SN)



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VALVE - LOADER CONTROL, THREE SPOOL (MANUAL CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
13		87426716		1	VALVE, CHECK, Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87455974 O-Ring, (1) 87309001 O-Ring, (1) 87446002 Poppet, (1) 87446003 Spring
14		87440815		1	PLATE, Lift Spool and Seal Assembly; Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87454547 O-Ring, (1) 87454548 Seal, (1) 87455538 O-Ring, (2) 87455534 Screw
15		87440814		1	KIT, Bucket and Clam Spool and Seal Assembly; Some Component Parts Not Serviced Separately; Serviceable Includes (1) 87454547 O-Ring, (1) 87454548 Seal, (2) 87455540 Screw
16		87426238		3	VALVE, CHECK, Component Parts Not Serviced Separately; Includes Serviceable 87455975 O-Ring
17		87757931		1	END, Cap; Clam Spool; Component Parts Not Available At Time Of Printing
18		87757932		1	END, Cap; Clam Spool; Component Parts Not Available At Time Of Printing
19		83981068		2	STOP PLUG, Shut-Off, Includes Seal; Component Parts Not Serviced Separately
20		84328445		1	CHECK VALVE, (Not Shown)

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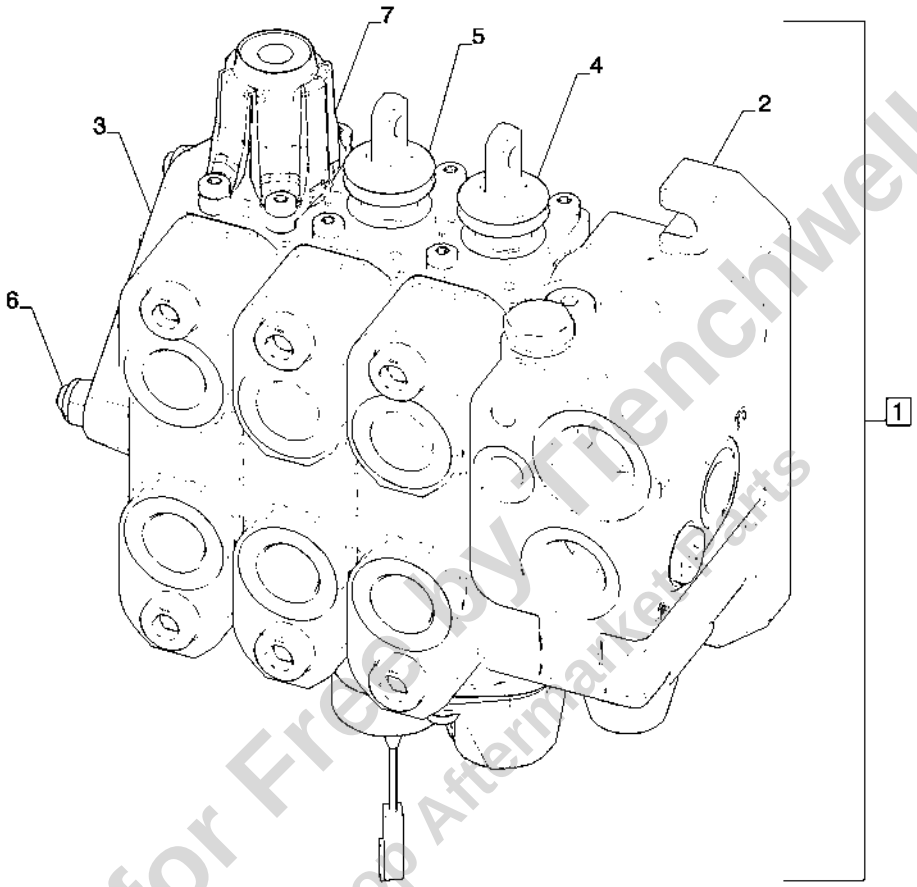
VALVE - LOADER CONTROL, THREE SPOOL (PILOT CONTROLS) (580SN, 580SN WT, 590SN)



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VALVE - LOADER CONTROL, THREE SPOOL (PILOT CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84219974		1	VALVE
2		87751123		1	HYD VALVE SECTION, Inlet
3		87330847		1	OUTLET
4		84295097		1	HYD VALVE SECTION, Lift
5		84295100		1	HYD VALVE SECTION, Bucket
		84484676		1	SERVICE KIT, 3 Spool Valve Section and Tie Rods; Incl. Ref. 6, 7
6		85825474		1	THREADED TIE-ROD
7		84295102		1	HYD VALVE SECTION, 4 in 1 Bucket

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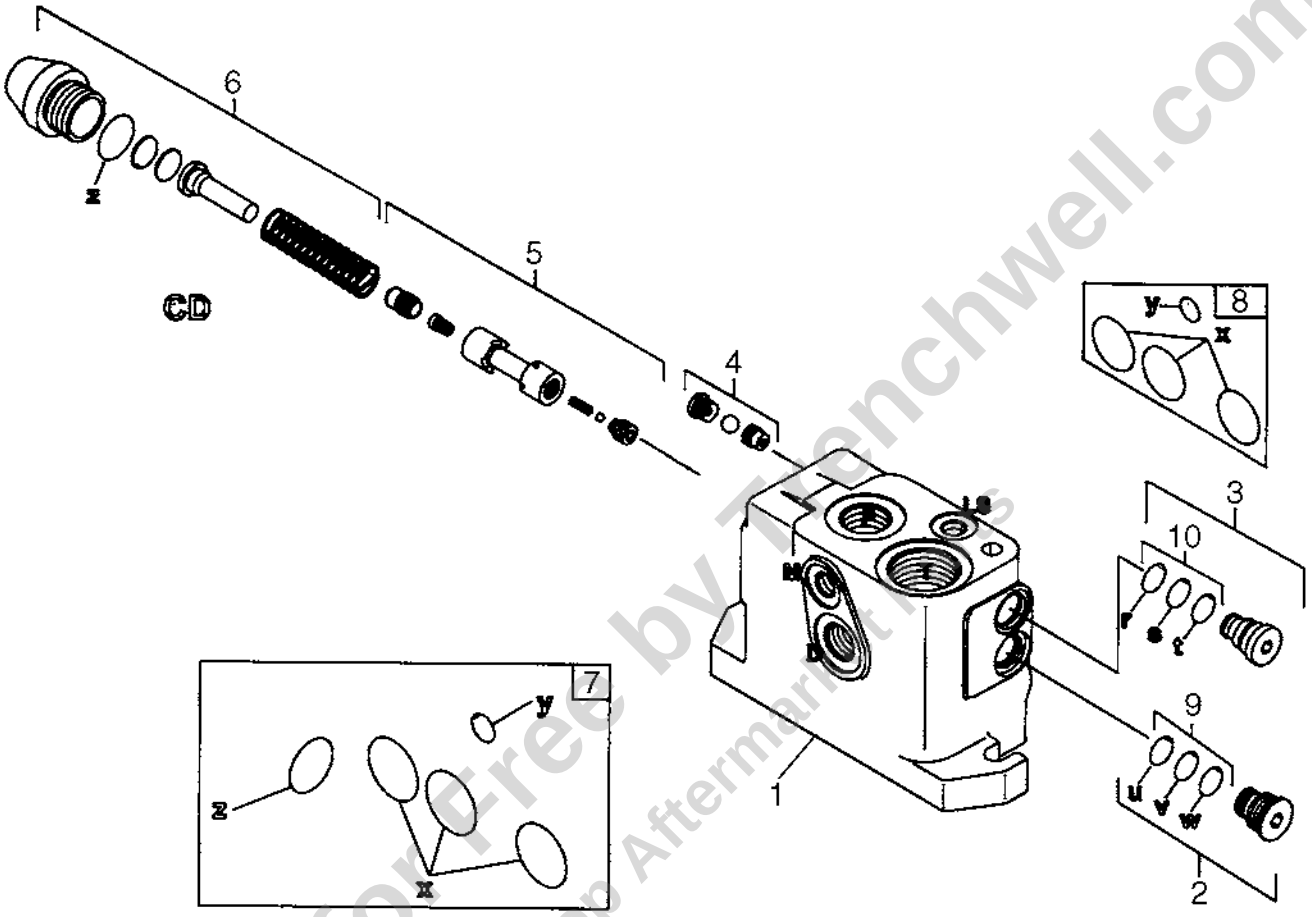
VALVE SECTION - INLET, LOADER (PILOT CONTROLS) (580SN, 580SN WT, 590SN)



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VALVE SECTION - INLET, LOADER (PILOT CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87751123			HYD VALVE SECTION, INLET; Incl. 1 - 10
1		NSS		1	NOT SERVICED SEPARATELY, HOUSING
2		87752046		1	PLUG, Replacing Flow Regulator; Component Parts Not Serviced Separately
3		87752047		1	PLUG, Replacing LS Relief Valve; Component Parts Not Serviced Separately
4		87752049		1	REPAIR KIT, Shuttle Valve; Component Parts Not Serviced Separately
5		87752050		1	REPAIR KIT, For CD Spool Orifice; Component Parts Not Serviced Separately
6		87752051		1	REPAIR KIT, Plugging; Component Parts Not Serviced Separately
7		85825477		1	SEAL KIT, Includes (5) O-Rings; Component Parts Not Serviced Separately
8		85825473		1	SEAL KIT, Includes (4) O-Rings; Component Parts Not Serviced Separately
9		85821235		1	SEAL KIT, Includes (3) O-Rings; Component Parts Not Serviced Separately
10		85821236		1	SEAL KIT, Includes (3) O-Rings; Component Parts Not Serviced Separately

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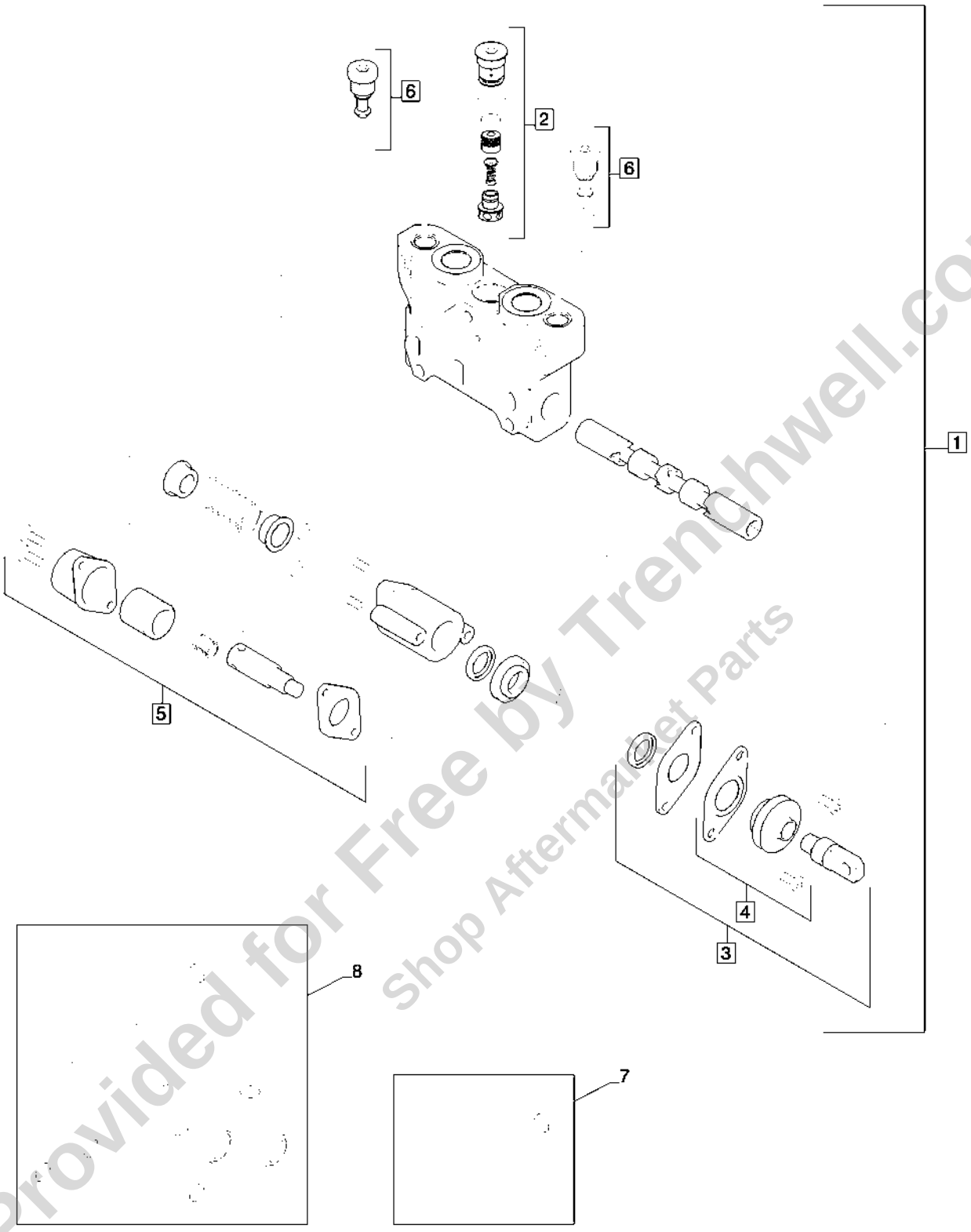
VALVE SECTION - LIFT, LOADER (PILOT CONTROLS) (580SN, 580SN WT, 590SN)



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VALVE SECTION - LIFT, LOADER (PILOT CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84295097		1	HYD VALVE SECTION
2		84157590		1	COMPENSATOR
3		85824278		1	KIT
4		85820130		1	BOOT
5		87558870		1	KIT
6		84354124		2	HYD VALVE SECTION
7		85825473		1	SEAL KIT
8		87617657		1	O-RING KIT

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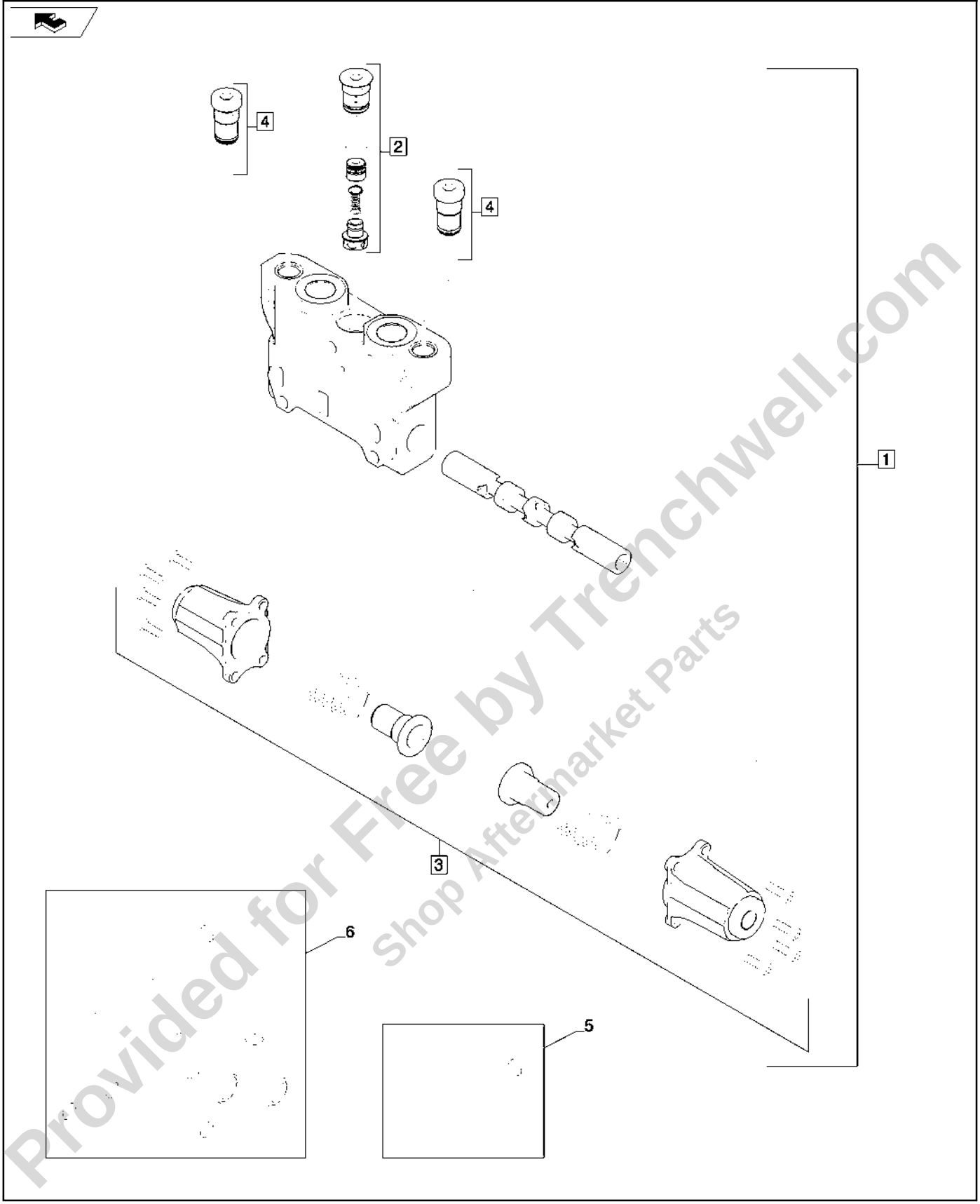
VALVE SECTION - 4 IN 1 , LOADER (PILOT CONTROLS) (580SN, 580SN WT, 590SN)



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VALVE SECTION - 4 IN 1 , LOADER (PILOT CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84295102		1	HYD VALVE SECTION
2		84157590		1	COMPENSATOR
3		87346914		1	KIT
4		84232746		2	PLUG
5		85825473		1	SEAL KIT
6		87617657		1	O-RING KIT

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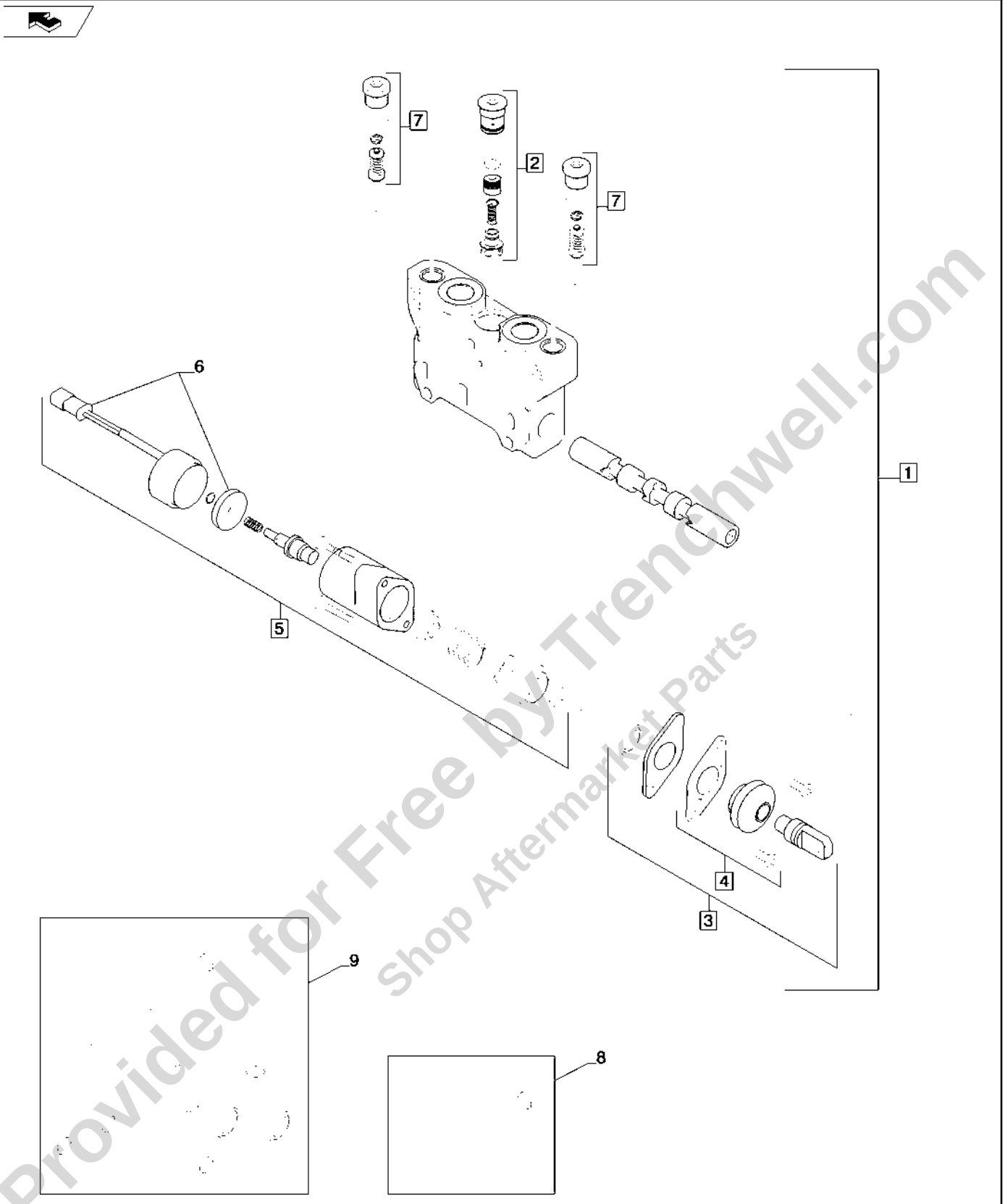
VALVE SECTION - BUCKET, LOADER (PILOT CONTROLS) (580SN, 580SN WT, 590SN)



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VALVE SECTION - BUCKET, LOADER (PILOT CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84295100		1	HYD VALVE SECTION, Loader Bucket
2		84157590		1	COMPENSATOR
3		85824278		1	KIT
4		85820130		1	BOOT
5		87754355		1	SERVICE KIT
6		87754413		1	SERVICE KIT
7		84295052		2	PRESSURE RELIEF VALVE
8		85825473		1	SEAL KIT
9		87617657		1	O-RING KIT

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VALVE - PILOT CONTROL AND JOYSTICKS (6 SPOOL, W/O EXT DIPPER, W/ AUX HYDS)

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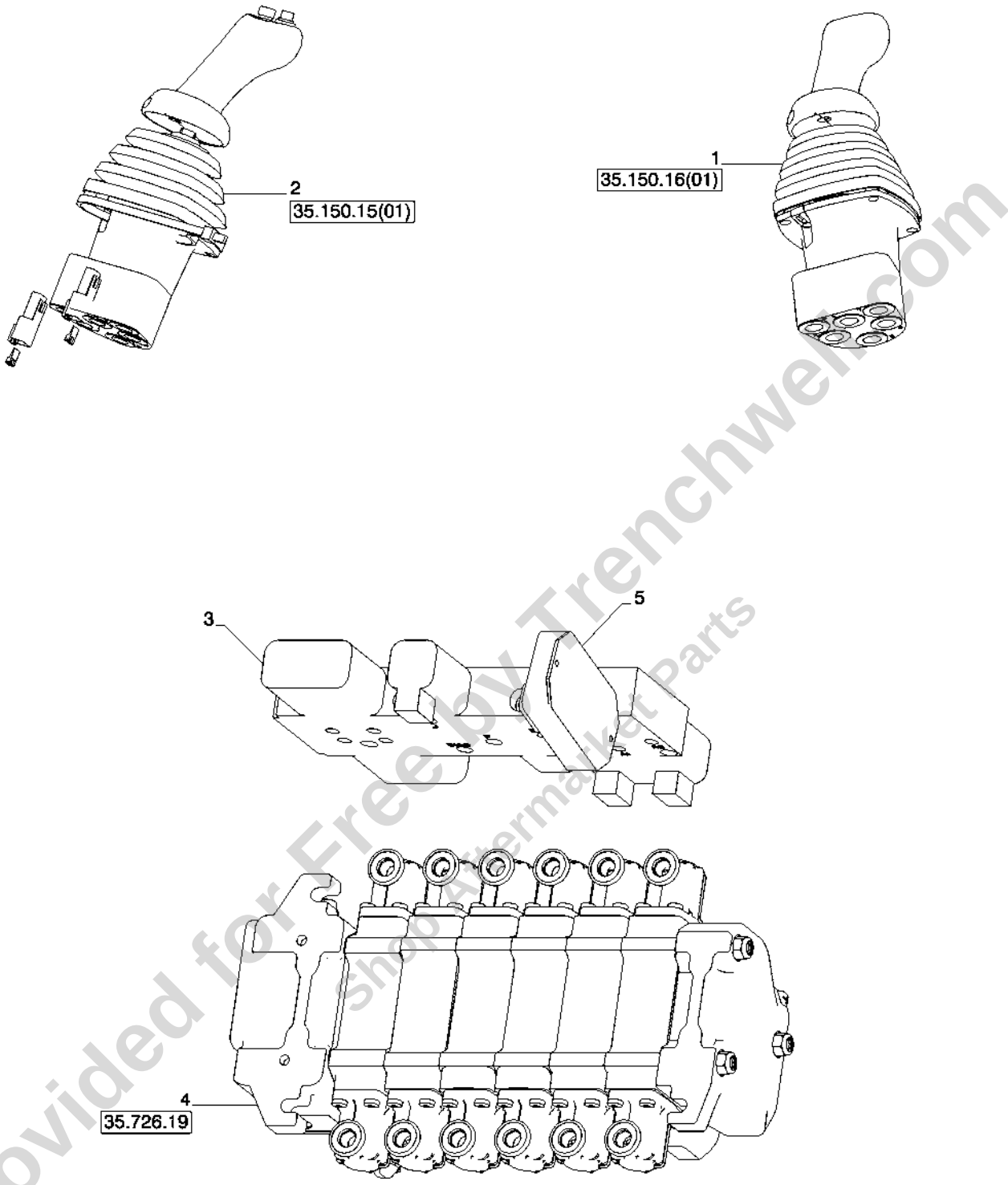

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VALVE - PILOT CONTROL AND JOYSTICKS (6 SPOOL, W/O EXT DIPPER, W/ AUX HYDS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87685954		1	JOYSTICK
2		87685953		1	JOYSTICK
3		85827472		1	HYDRAULIC VALVE
4		84214054		1	PILOT VALVE
5		84203217		1	MODULE

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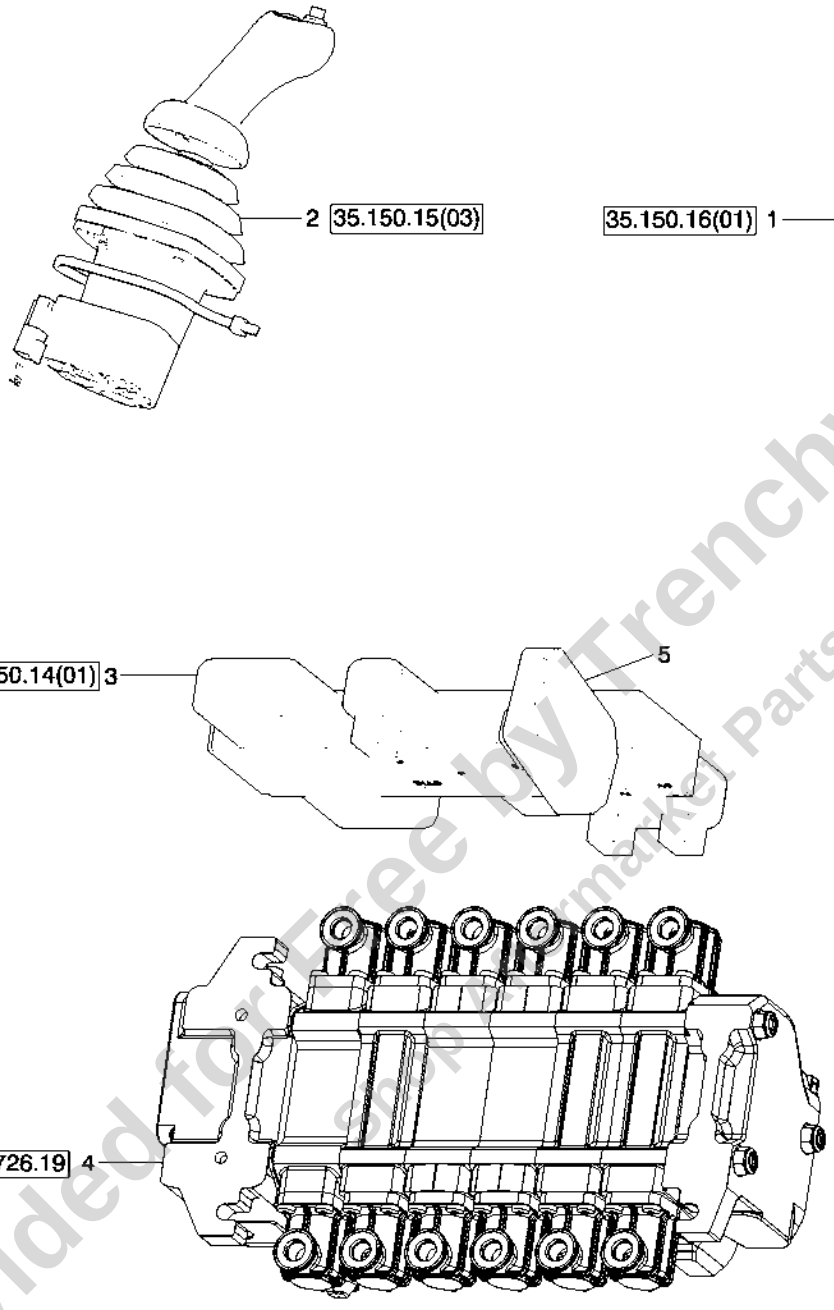
35.726.03	02	p1	09/10

VALVE - PILOT CONTROL AND JOYSTICKS (6 SPOOL, W/O EXT DIPPER, W/O AUX HYDS)



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VALVE - PILOT CONTROL AND JOYSTICKS (6 SPOOL, W/O EXT DIPPER, W/O AUX HYDS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87685954		1	JOYSTICK
2		87685948		1	JOYSTICK
3		85827472		1	HYDRAULIC VALVE
4		84214054		1	PILOT VALVE
5		84203217		1	MODULE

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35.726.04	01	p1	08/11

VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/ EXT DIPPER, W/ AUX HYDS) (580N)

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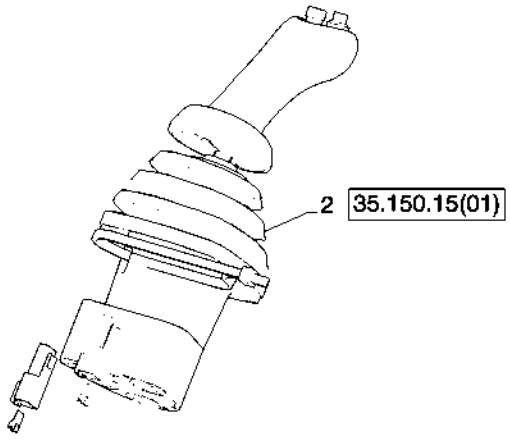

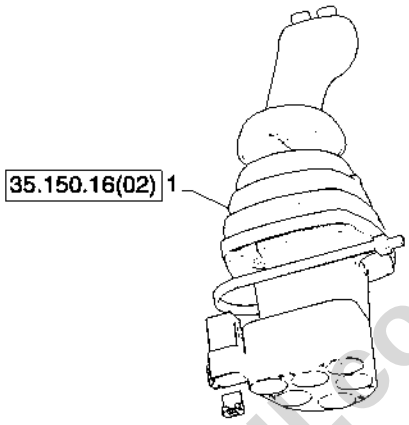

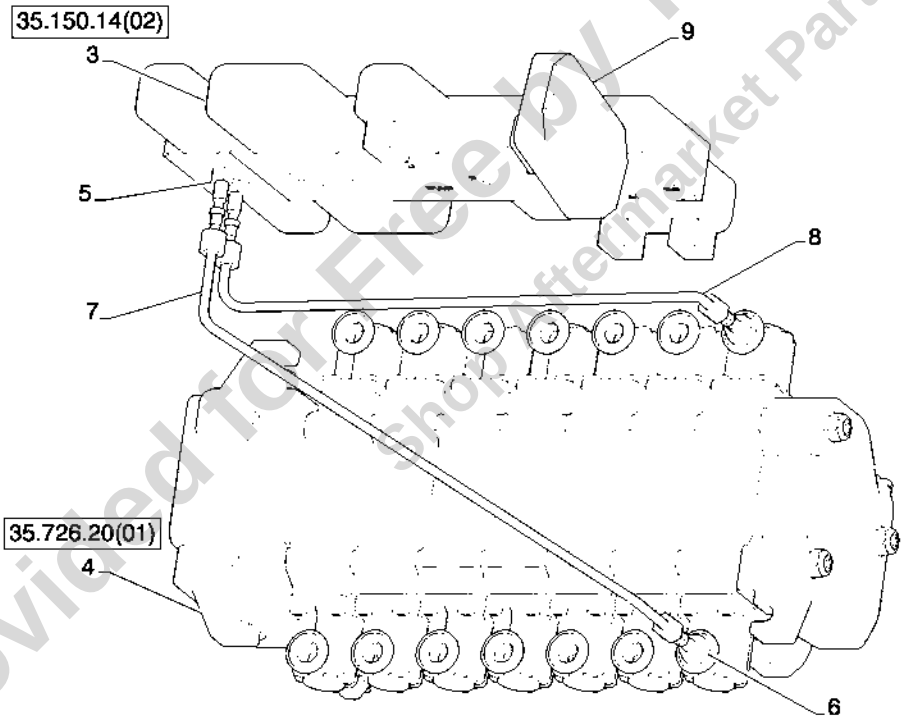

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VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/ EXT DIPPER, W/ AUX HYDS) (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87685955		1	CONTROL VALVE
2		87685953		1	JOYSTICK
3		85827471		1	HYDRAULIC VALVE
4		84214059		1	PILOT VALVE
5		218-5053		2	HYD CONNECTOR, 7/16"-20, 37° x 7/16"-20, O-Ring
6		218-5089		2	HYD CONNECTOR, 7/16"-20, 37° x 9/16"-18, O-Ring
7		87437633		1	HYD. TUBE
8		87437635		1	HYD. TUBE
9		84203217		1	MODULE

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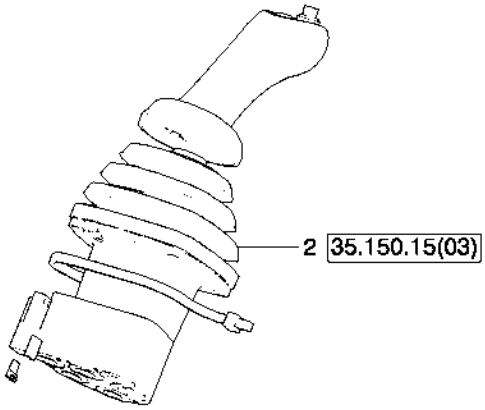
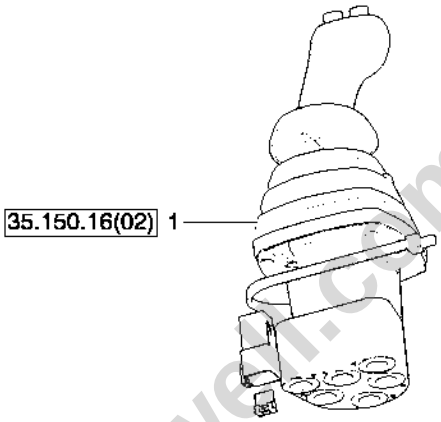
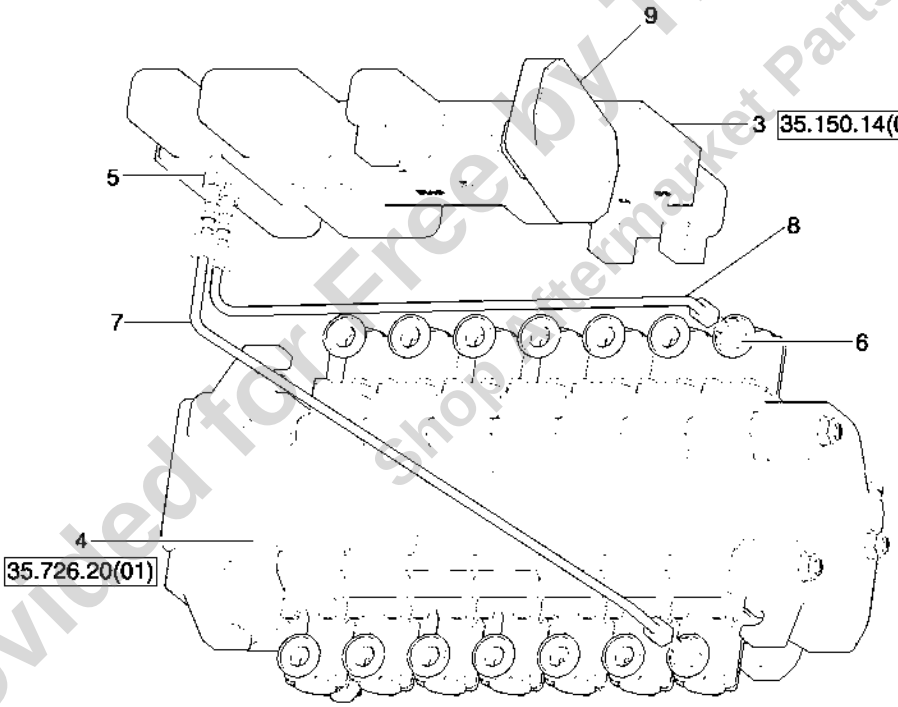
VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/ EXT DIPPER, W/O AUX HYDS) (580N)







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VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/ EXT DIPPER, W/O AUX HYDS) (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87685955		1	CONTROL VALVE
2		87685948		1	JOYSTICK
3		85827471		1	HYDRAULIC VALVE
4		84214059		1	PILOT VALVE
5		218-5053		2	HYD CONNECTOR, 7/16"-20, 37° x 7/16"-20, O-Ring
6		218-5089		2	HYD CONNECTOR, 7/16"-20, 37° x 9/16"-18, O-Ring
7		87437633		1	HYD. TUBE
8		87437635		1	HYD. TUBE
9		84203217		1	MODULE

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35.726.04	03	p1	08/11

VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/ EXT DIPPER, W/ AUX HYDS)

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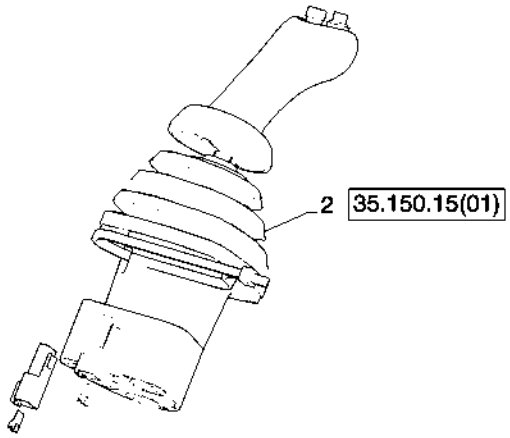

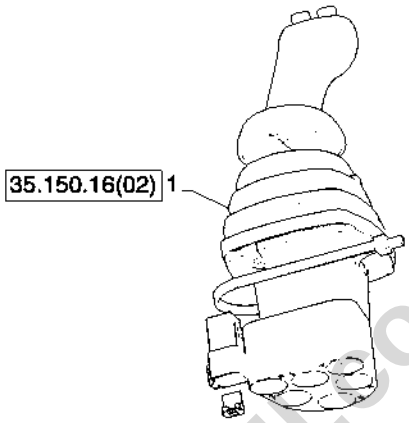

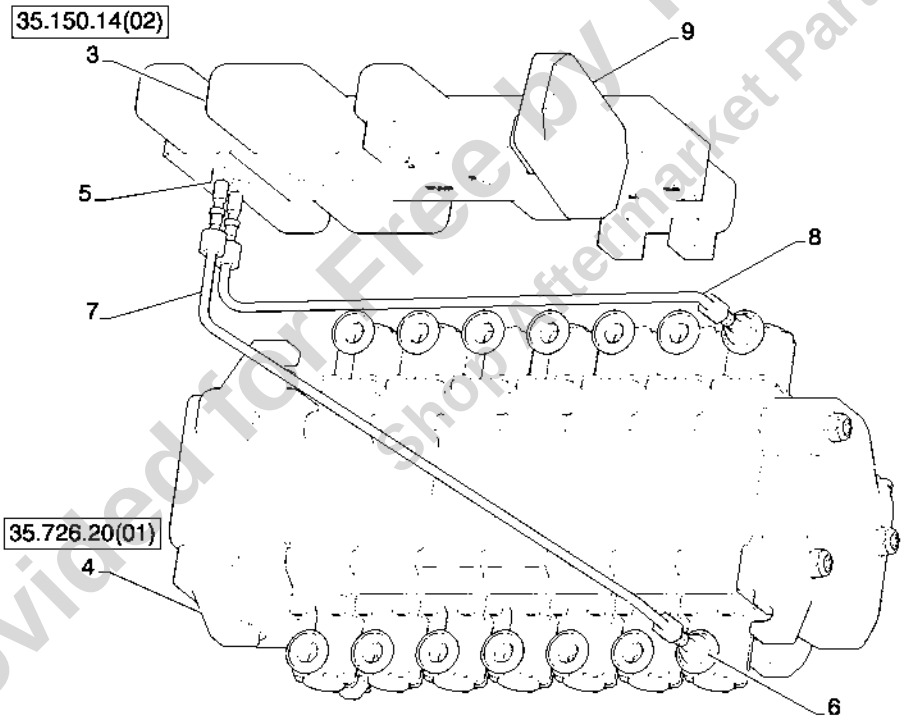

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VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/ EXT DIPPER, W/ AUX HYDS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
2		87685953		1	JOYSTICK
3		85827471		1	HYDRAULIC VALVE
4		84269982		1	PILOT VALVE
5		218-5053		2	HYD CONNECTOR, 7/16"-20, 37º x 7/16"-20, O-Ring
6		218-5089		2	HYD CONNECTOR, 7/16"-20, 37º x 9/16"-18, O-Ring
7		87437633		1	HYD. TUBE
8		87437635		1	HYD. TUBE
9		84203219		1	MODULE

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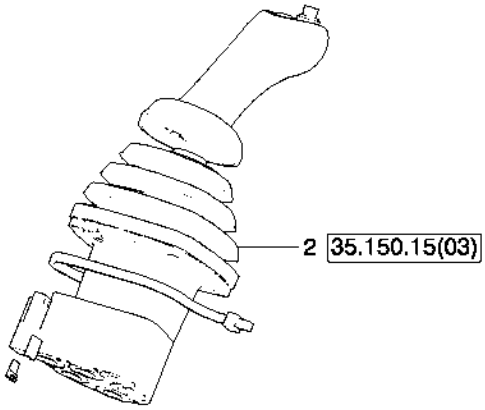
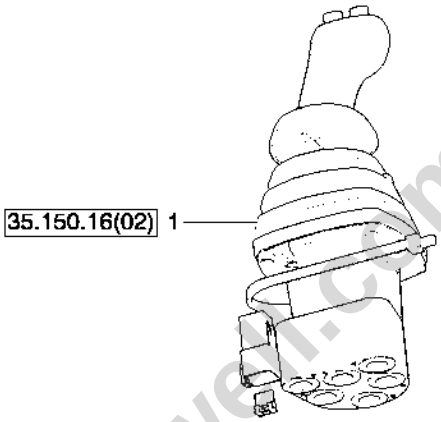
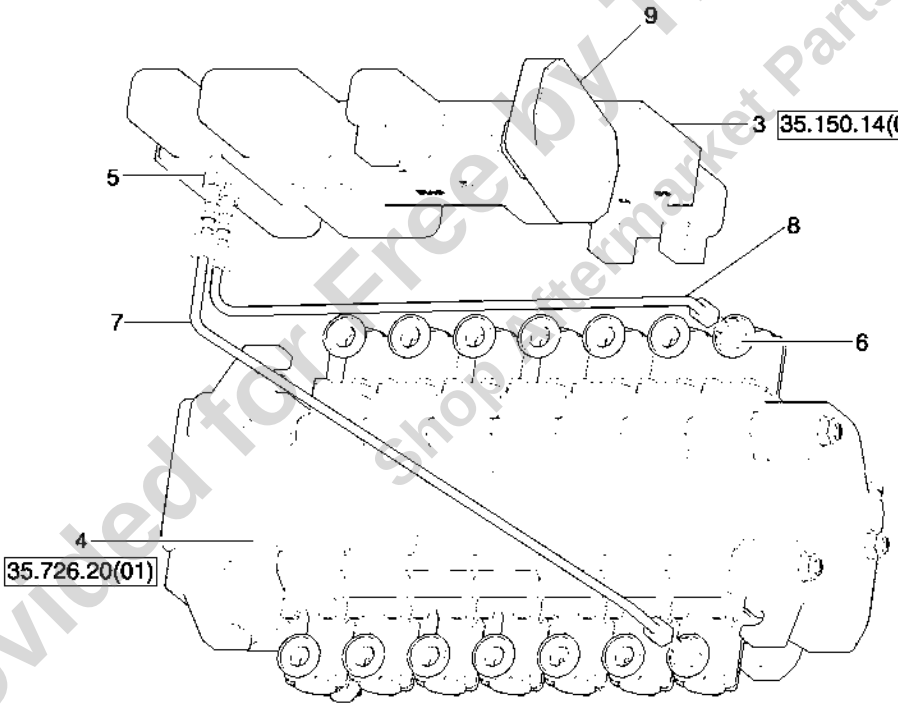
VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/ EXT DIPPER, W/O AUX HYDS)







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VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/ EXT DIPPER, W/O AUX HYDS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
2		87685948		1	JOYSTICK
3		85827471		1	HYDRAULIC VALVE
4		84269982		1	PILOT VALVE
5		218-5053		2	HYD CONNECTOR, 7/16"-20, 37° x 7/16"-20, O-Ring
6		218-5089		2	HYD CONNECTOR, 7/16"-20, 37° x 9/16"-18, O-Ring
7		87437633		1	HYD. TUBE
8		87437635		1	HYD. TUBE
9		84203219		1	MODULE

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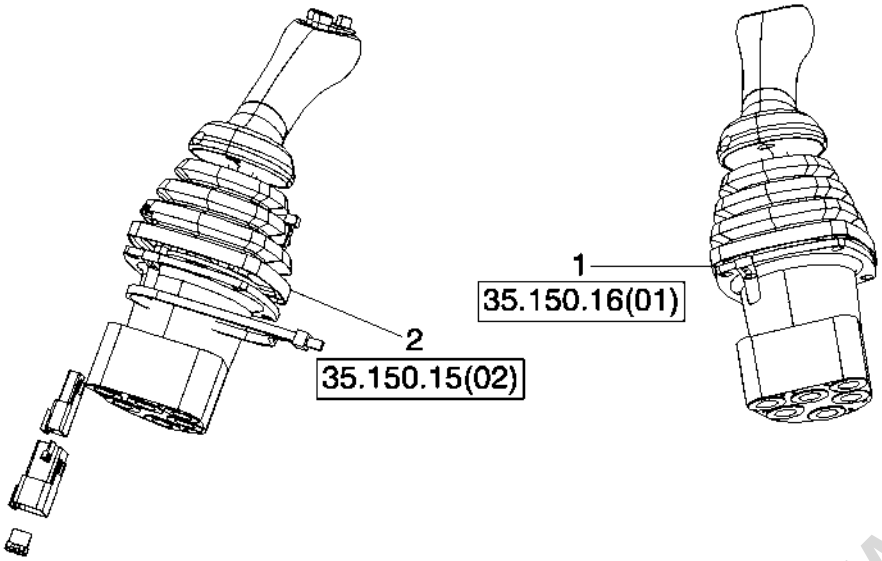
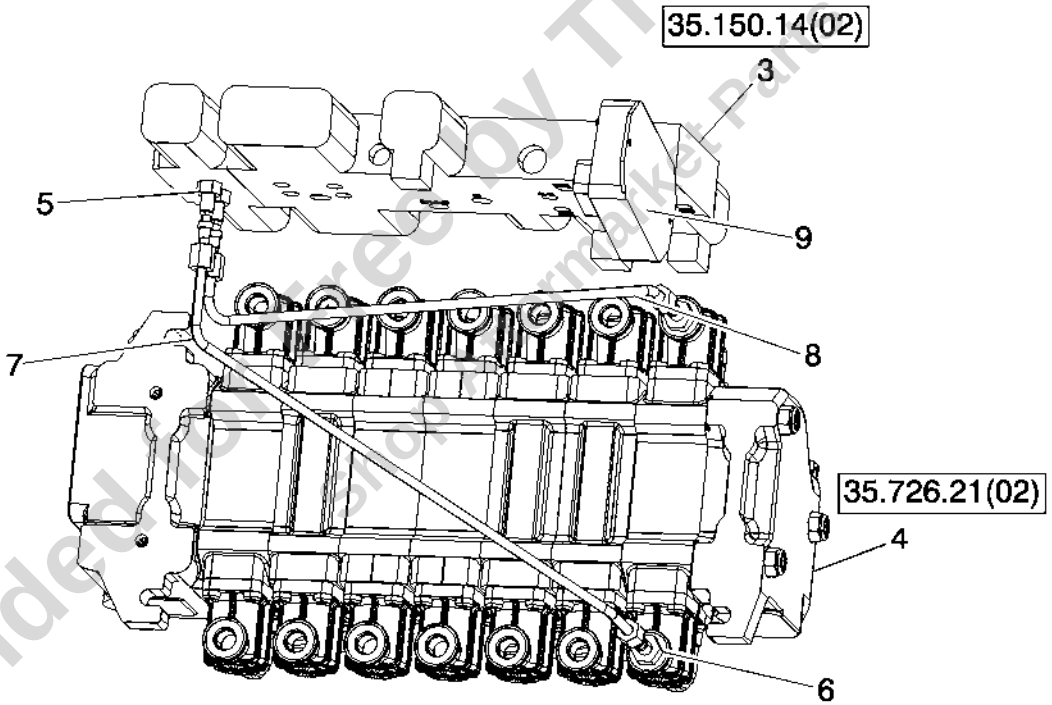
35.726.05		p1	07/11

VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/O EXT DIPPER W/ AUX HYDS) (580N)





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VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/O EXT DIPPER W/ AUX HYDS) (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87685954		1	JOYSTICK, RH STD Dipper
2		87685952		1	JOYSTICK, LH BI-DIR and Horn
3		85827471		1	HYDRAULIC VALVE, 3 Spool
4		84214061		1	PILOT VALVE
5		218-5053		2	HYD CONNECTOR, 7/16"-20, 37° x 7/16"-20, O-Ring, 1/4 37FL-ORB 1/4
6		218-5089		2	HYD CONNECTOR, 7/16"-20, 37° x 9/16"-18, O-Ring, 1/4 37FL-ORB 3/8
7		87438012		1	HYD. TUBE, Reducing Valve to Aux. B
8		87438015		1	HYD. TUBE, Reducing Valve to Aux. A
9		84254545		1	MODULE, Pilot

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35.726.06		p1	07/11

VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/O EXT DIPPER W/ AUX HYDS) (580SN, 580SN WT, 590SN)

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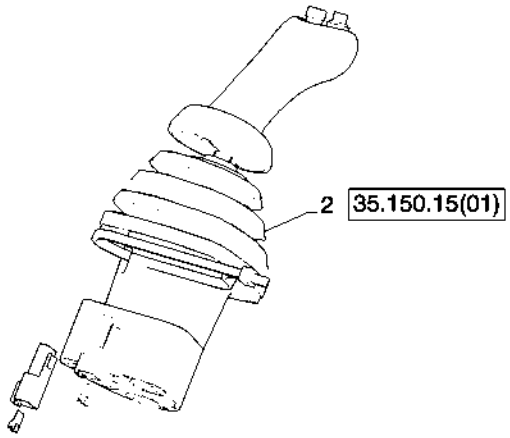

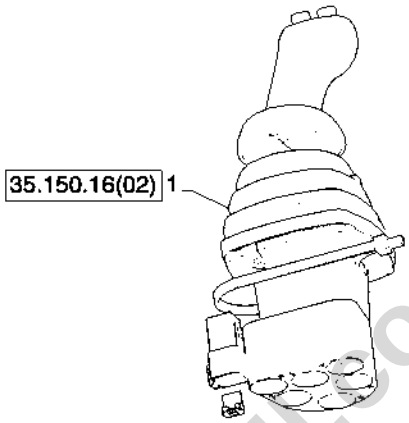

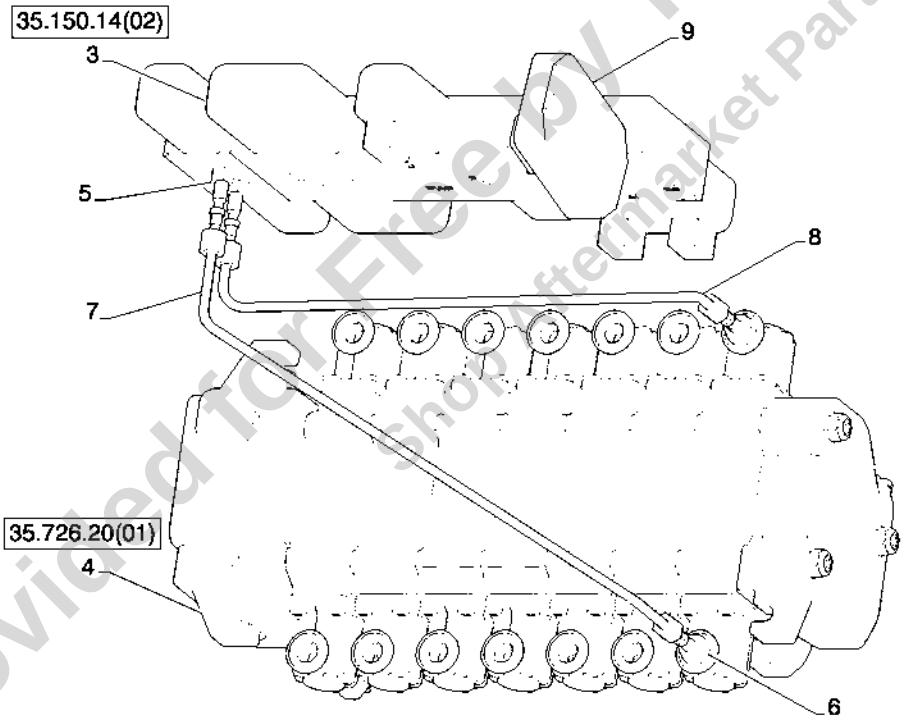

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VALVE - PILOT CONTROL AND JOYSTICKS (7 SPOOL, W/O EXT DIPPER W/ AUX HYDS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87685956		1	JOYSTICK
2		87685952		1	JOYSTICK
3		85827471		2	HYDRAULIC VALVE
4		84269981		1	PILOT VALVE
5		218-5053		2	HYD CONNECTOR, 7/16"-20, 37° x 7/16"-20, O-Ring
6		218-5089		1	HYD CONNECTOR, 7/16"-20, 37° x 9/16"-18, O-Ring
7		87438012		1	HYD. TUBE
8		87438015		1	HYD. TUBE
9		84266025		1	MODULE

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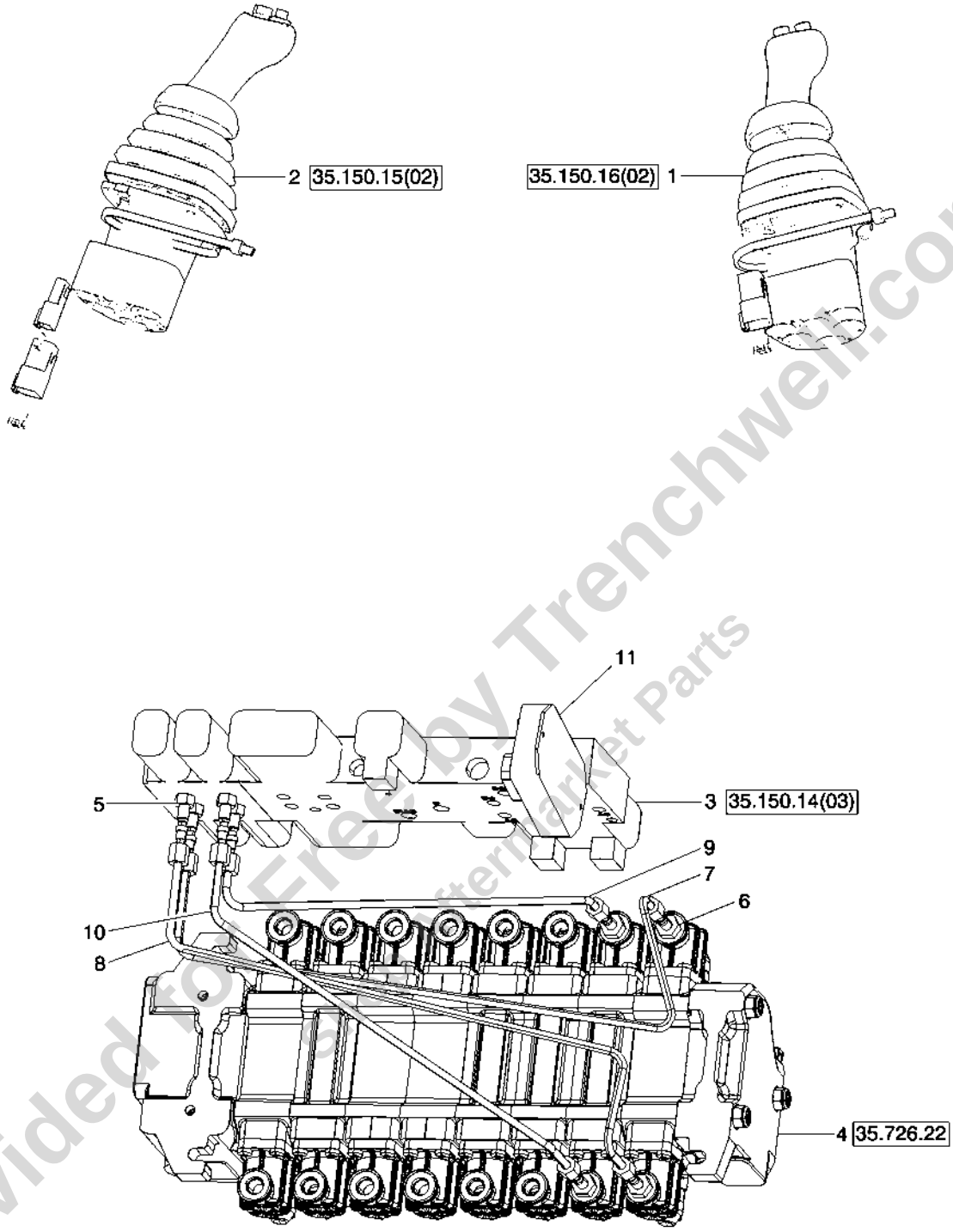
35.726.07		p1	09/10

VALVE - PILOT CONTROL AND JOYSTICKS (8 SPOOL, W/ EHOE, W/ AUX HYDS)



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VALVE - PILOT CONTROL AND JOYSTICKS (8 SPOOL, W/ EHOE, W/ AUX HYDS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87685955		1	CONTROL VALVE
2		87685952		1	JOYSTICK
3		87434621		1	CONTROL VALVE
4		84214062		1	PILOT VALVE
5		218-5053		4	HYD CONNECTOR, 7/16"-20, 37° x 7/16"-20, O-Ring
6		218-5089		4	HYD CONNECTOR, 7/16"-20, 37° x 9/16"-18, O-Ring
7		87440837		1	HYD. TUBE, Reducing Valve to Aux. A
8		87440835		1	HYD. TUBE, Reducing Valve to Ext. A
9		87437635		1	HYD. TUBE, Reducing Valve to Aux. B
10		87437633		1	HYD. TUBE, Reducing Valve to Ext. B
11		84254545		1	MODULE, Pilot Controls

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580N 590SN
580SN WT 580SN

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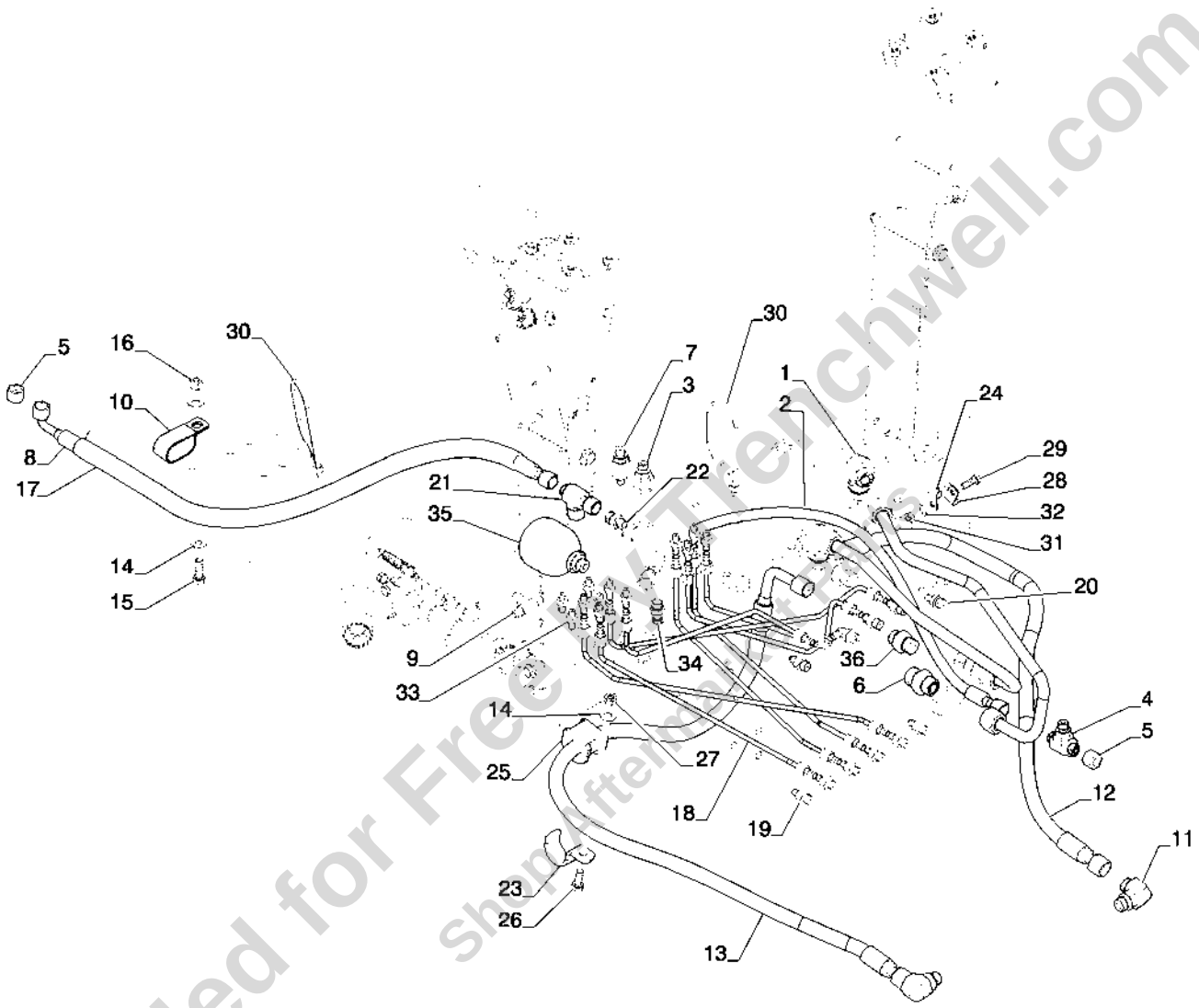
35.726.08	01	p1	09/11

HYDRAULICS - PILOT CONTROLS



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HYDRAULICS - PILOT CONTROLS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87675522		2	ELBOW
2		84405440		1	HYDRAULIC HOSE
3		9840543		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
4		201-401		1	TEE, 11/16"-16 x 9/16"-18 Br, ORFS
5		87331950		3	CAP ASSY.
6		83962539		2	HYD CONNECTOR
7		218-5243		1	TEE, 9/16"-18, 37º x 9/16"-18, O-Ring Run
8		84249957		1	HOSE ASSY.
9		218-593		1	TEE, 9/16"-18, 37º
10		D39696		1	CLAMP
		120303A1		1	SPACER, Not Shown; Use With 120113 Bolt (Ref. 15)
11		9992307		2	ELBOW, 90º, 13/16"-16 x 3/4"-16 Adj, ORFS
12		84328810		1	HOSE ASSY.
13		84399174		1	HOSE ASSY.
14		87655046		3	SPECIAL WASHER
15		614-10030		1	BOLT, Hex, M10 x 30, 8.8
15		120113		1	BOLT, Hex, M10 x 50, 8.8, Full Thd, Use With 120303A1 Spacer
16		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
17		NS		1	NOT SERVICED, Hose Guard
18		NS		1	NOT SERVICED, See Fig 35.726.08 (02)
19		218-5089		9	HYD CONNECTOR, 7/16"-20, 37º x 9/16"-18, O-Ring
20		218-5365		2	ELBOW, 45º, 7/16"-20, 37º x 9/16"-18, O-Ring
21		84989848		1	HYD CONNECTOR
22		9993143		1	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
23		515-2295		1	CLAMP, 3/8", Insul, 5/16" Bolt
24		D143411		1	CLAMP
25		D74182		1	GROMMET
26		614-10025		1	BOLT, Hex, M10 x 25, 8.8, Full Thd
27		829-1410		1	NUT, M10, Cl 10
28		515-22127		1	CLAMP, 1/2", Insul, 5/16" Bolt
29		43127		1	SCREW, Hex, M8 x 25, 8.8
30		L18331		2	CABLE STRAP
31		829-1408		1	NUT, M8, Cl 10

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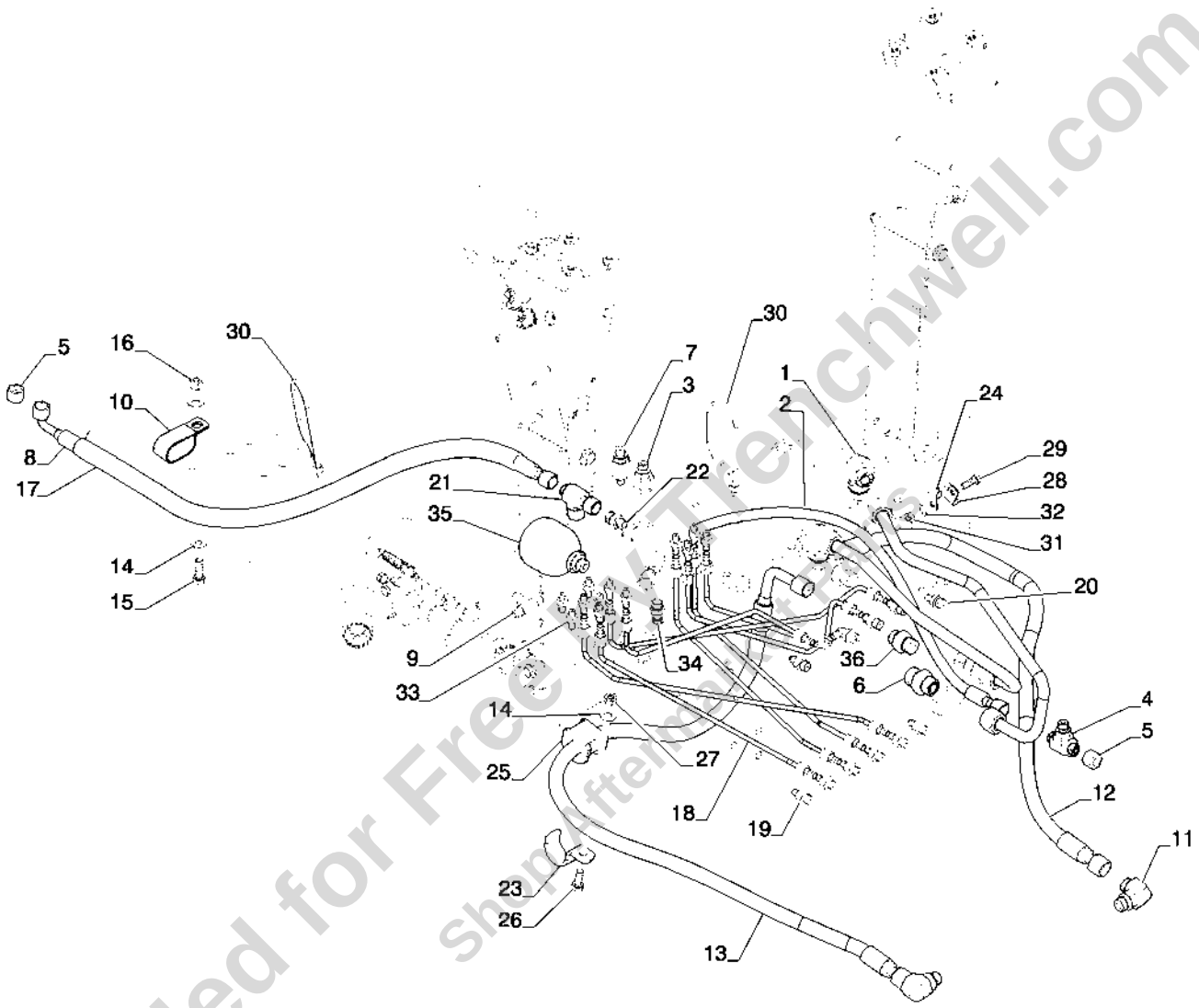
35.726.08	01	p2	09/11

HYDRAULICS - PILOT CONTROLS



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HYDRAULICS - PILOT CONTROLS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
32		87655042		1	SPECIAL WASHER
33		218-5053		12	HYD CONNECTOR, 7/16"-20, 37° x 7/16"-20, O-Ring
34		86596853		1	QUICK MALE COUPLING, 9/16"-18
35		87425225		1	ACCUMULATOR
36		87610720		2	HYD CONNECTOR

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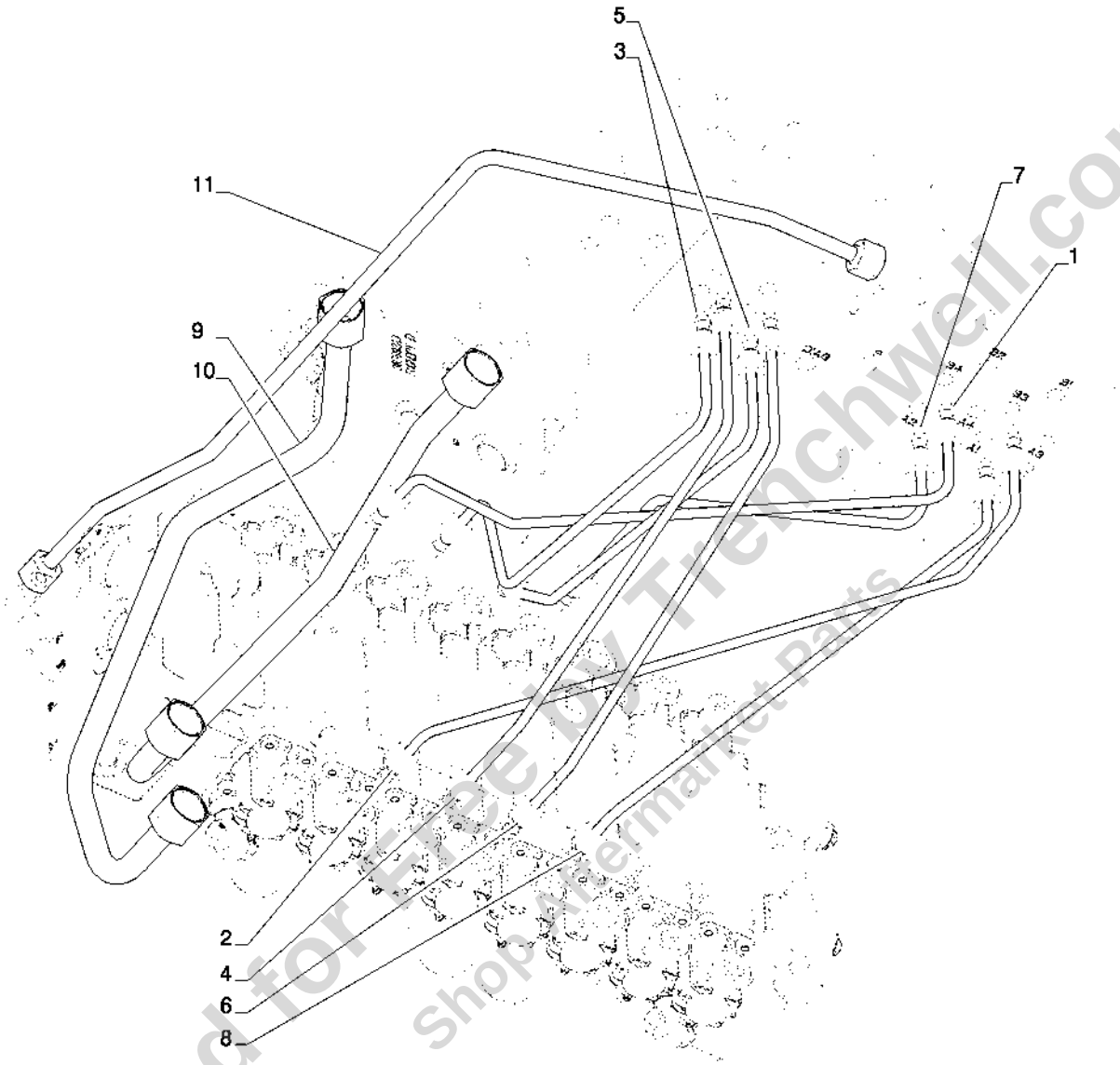
35.726.08	02	p1	06/11

HYDRAULICS - PILOT CONTROLS



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HYDRAULICS - PILOT CONTROLS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87439215		1	FLEXIBLE HOSE, Selector A4 to Boom A
2		87439213		1	FLEXIBLE HOSE, Selector A3 to Boom B
3		87437627		1	FLEXIBLE HOSE, Reducing Valve to Left Hand Stabilizer A
4		87437625		1	FLEXIBLE HOSE, Reducing Valve to Left Hand Stabilizer B
5		87445557		1	FLEXIBLE HOSE, Reducing Valve to Right Hand Stabilizer A
6		87437629		1	FLEXIBLE HOSE, Reducing Valve to Right Hand Stabilizer B
7		87437623		1	TUBE, .25" OD, Selector A2 to Dipper A
8		87437621		1	TUBE, .25" OD, Selector A1 to Dipper B
9		84332787		1	HYD. TUBE, Swing Dampening to Bottom Port
10		84332788		1	HYD. TUBE, Swing Dampening to Top Port
11		84252987		1	HYD. TUBE, Reducing Valve Tank to Bachkhoe Valve (580N Only)

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580SN WT 580SN
590SN 580N

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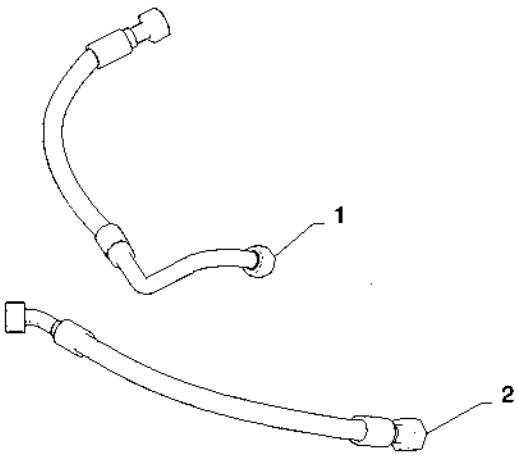
HYDRAULICS - PILOT CONTROLS, DUAL AUX. (7 SPOOL)



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HYDRAULICS - PILOT CONTROLS, DUAL AUX. (7 SPOOL)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84292024		1	HYD. TUBE
2		84258266		1	HOSE ASSY.

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580SN WT 580SN
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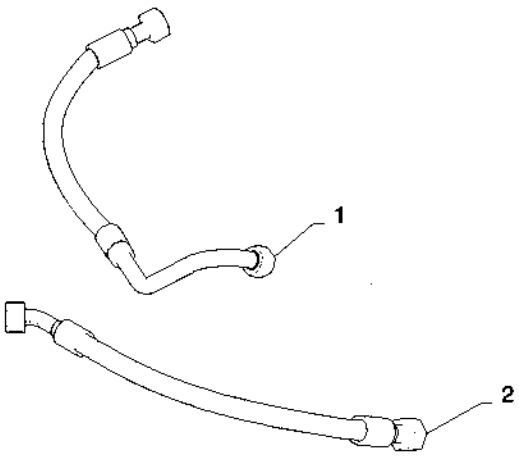
35.726.08	04	p1	06/11

HYDRAULICS - PILOT CONTROLS, DUAL AUX. (8 SPOOL)



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HYDRAULICS - PILOT CONTROLS, DUAL AUX. (8 SPOOL)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84292027		1	HYD. TUBE
2		84292795		1	HOSE ASSY.

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580SN WT 580SN
590SN 580N

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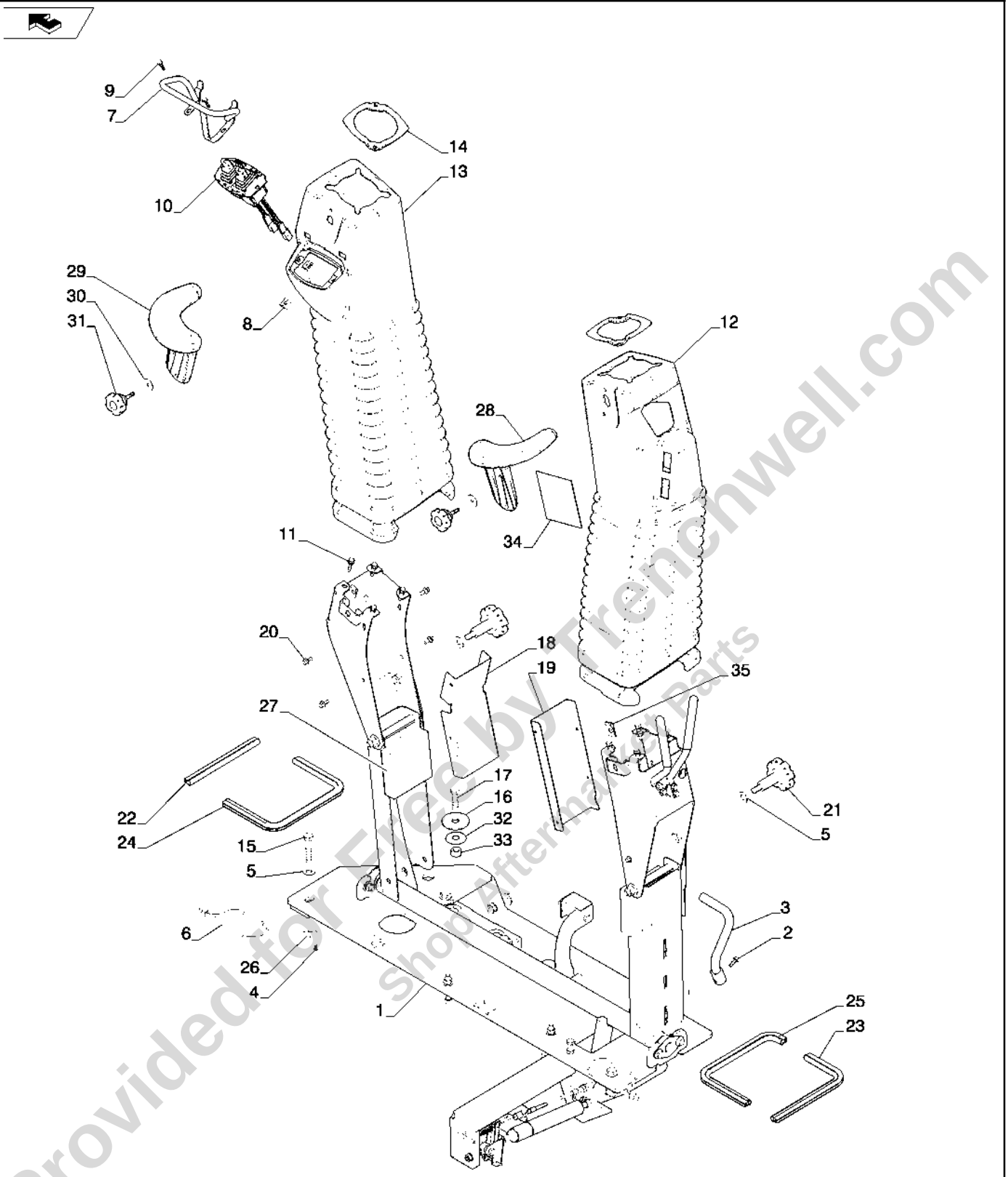
35.726.09	01	p1	03/12

CONTROL, TOWER STRUCTURE



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CONTROL, TOWER STRUCTURE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		NS		1	NOT SERVICED, See Fig 35.726.09 (03)
2		87041331		1	BOLT, Hex, Lock, M6 x 16, Cl 8.8
3		87427775		1	ROD
4		336371A1		2	PIN
5		87655046		12	SPECIAL WASHER
6		L18331		2	CABLE STRAP
7		87310085		2	SELF-TAP SCREW
8		87452511		2	NUT
9		87307656		1	GUARD
10		87303182		1	SWITCH ASSY, Stabilizer Switch; Outrigger Switch
11		87608777		8	BOLT
12		87309924		1	BOOT
13		87309923		1	BOOT
14		87435372		2	RETAINING PLATE
15		814-10055		2	BOLT, Hex, M10 x 55, 8.8
16		496-81018		1	WASHER
17		87450914		2	BOLT
18		87431301		1	SHIELD
19		87431300		1	SHIELD
20		781-24613		8	SELF-TAP SCREW, Hex Flg Hd, M6 x 13
21		87437688		2	KNOB
22		87433008		1	RUBBER SEAL
23		87433007		1	RUBBER SEAL
24		87433006		1	RUBBER SEAL
25		87433005		1	RUBBER SEAL
26		309096A1		2	NUT
27		87425696		2	RUBBER SEAL
28		87437366		1	ARMREST
29		87437369		1	ARMREST
30		87310186		2	WASHER
31		87437689		2	KNOB
32		D148962		1	WASHER
33		87440381		1	SPACER
34		87305413		1	WARNING DECAL
35		833-40406		2	NUT, M6, U

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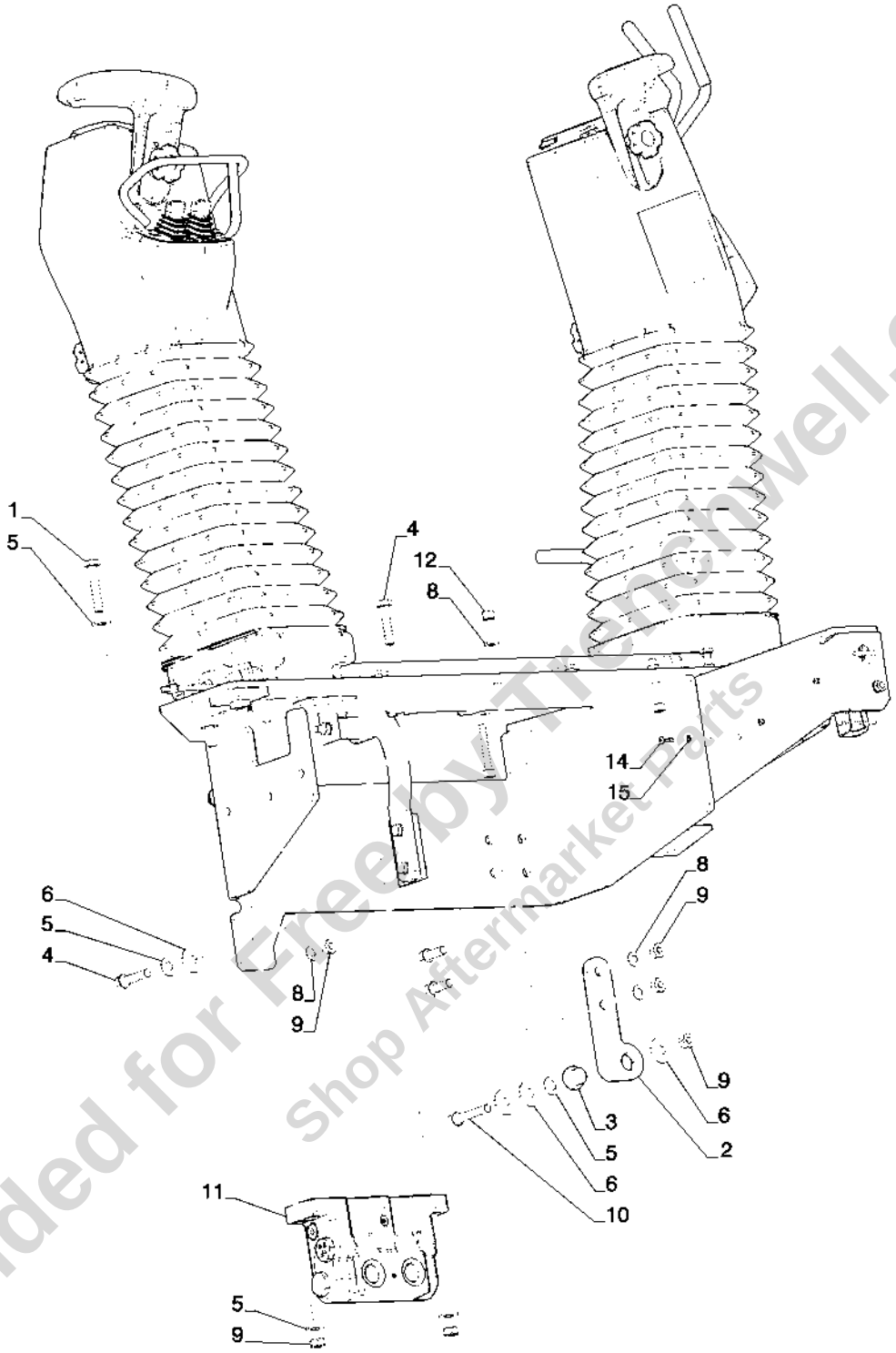
35.726.09	02	p1	03/11

CONTROL, TOWER STRUCTURE



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CONTROL, TOWER STRUCTURE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87450914		2	BOLT
2		87440712		1	BRACKET
3		D52276		1	ISOLATOR
4		814-10045		4	BOLT, Hex, M10 x 45, 8.8
5		87655046		12	SPECIAL WASHER
6		87687101		5	WASHER
7		614-10030		2	BOLT, Hex, M10 x 30, 8.8
8		87655042		6	SPECIAL WASHER
9		829-1410		7	NUT, M10, Cl 10
10		814-10060		1	BOLT, Hex, M10 x 60, 8.8
11		87480653		1	DAMPING VALVE
12		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
13		864-8055		2	HEX SOC SCREW, Hex Soc Hd, M8 x 55, 8.8
14		840-1416		3	SCREW, Cross Pan Hd, M4 x 16
15		893-11004		1	LOCK WASHER, Ext Tooth, M4

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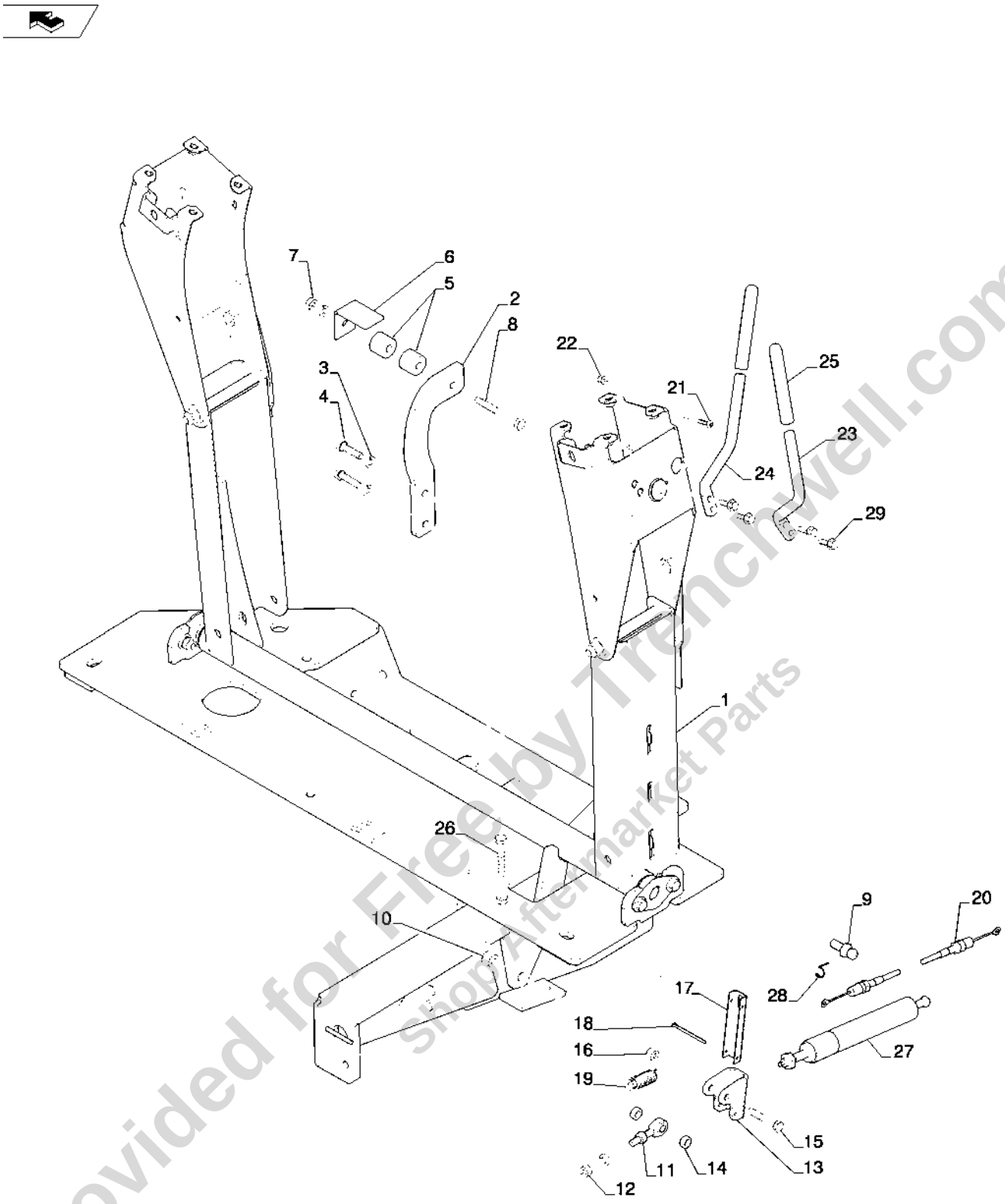
CONTROL, TOWER STRUCTURE



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CONTROL, TOWER STRUCTURE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87440711		1	TOWER
2		86984544		1	BRACKET
3		892-11008		4	LOCK WASHER, M8
4		614-8030		2	BOLT, Hex, M8 x 30, 8.8
5		86984547		2	GUIDE
6		86984545		1	BRACKET
7		829-1408		2	NUT, M8, Cl 10
8		814-8070		1	BOLT, Hex, M8 x 70, 8.8
9		85824067		1	BALL PIN
10		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
11		85824081		1	BALL JOINT
12		425-115		2	NUT, 5/16"-24, G5
13		85824080		1	BRACKET
14		85821520		2	SPACER
15		413-528		1	BOLT, Hex, 5/16"-18 x 1 3/4", G5
16		231-1445		1	LOCK NUT, 5/16"-18, GB
17		86984549		1	CHANNEL
18		432-828		2	COTTER PIN, 1/8" x 1 3/4"
19		87443692		1	SPRING
20		87437806		1	FLEXIBLE CABLE
21		140-108		1	SCREW, Cross Pan Hd, #10-24 x 3/4"
22		231-14409		1	LOCK NUT, #10-24, GB
23		87418368		1	ROD
24		87418369		1	ROD
25		87442409		2	GRIP
26		614-8050		1	BOLT, Hex, M8 x 50, 8.8, Full Thd
27		86989616		1	GAS STRUT
28		3233348R1		1	CLIP
29		87310098		4	BOLT

580SN WT 580SN
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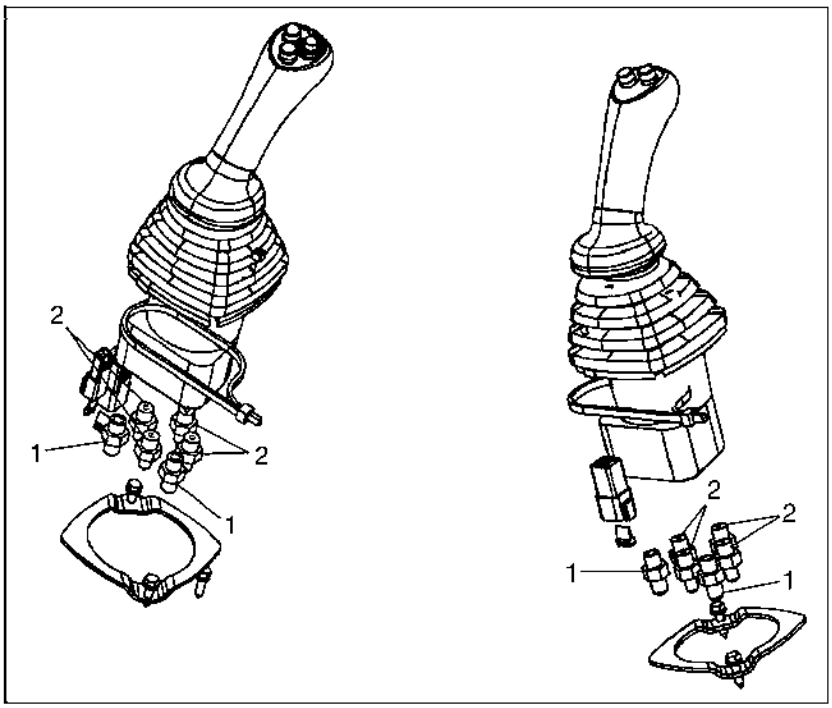
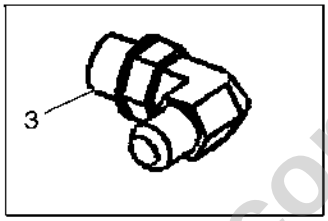
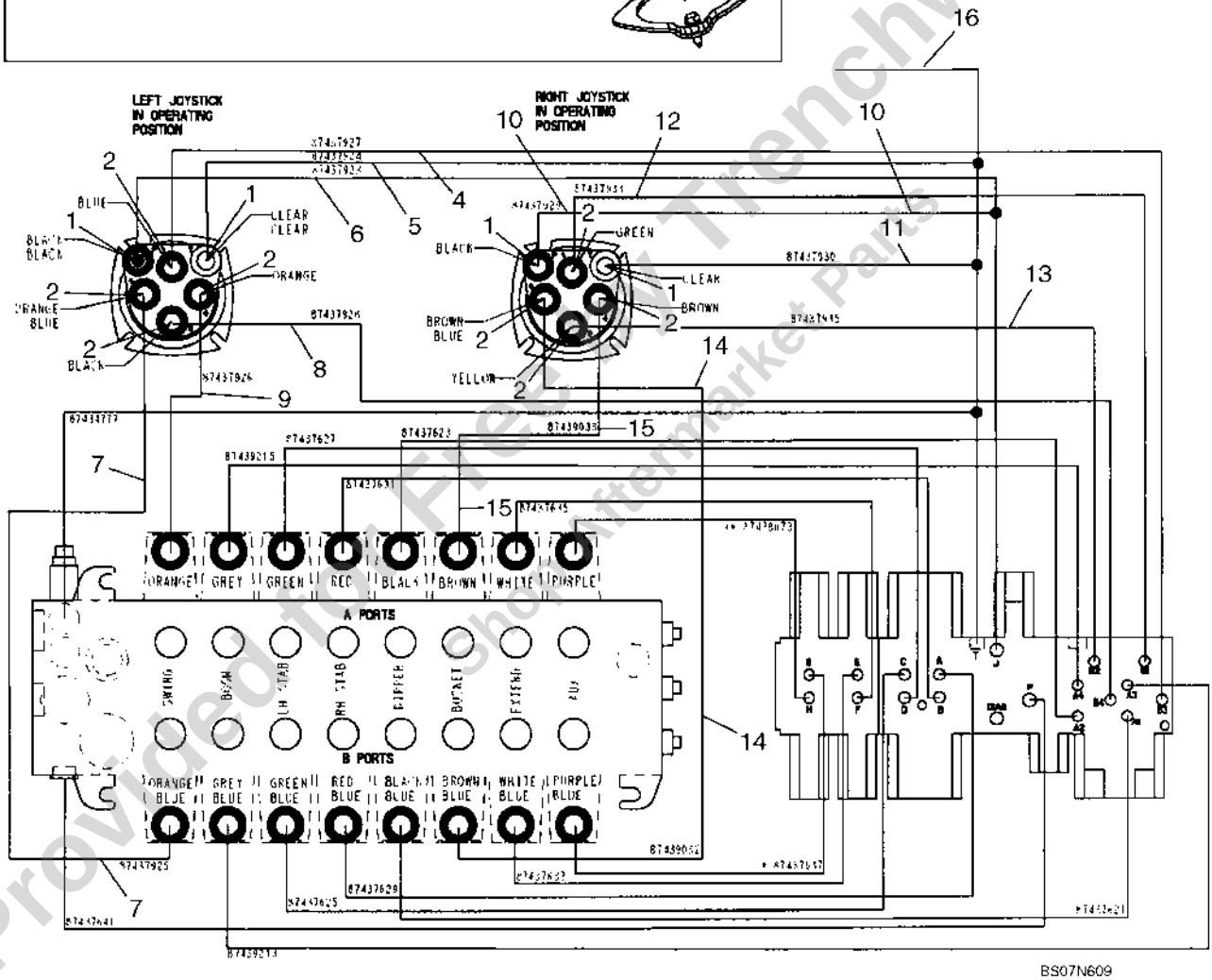
HYDRAULICS - PILOT CONTROL JOYSTICKS







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HYDRAULICS - PILOT CONTROL JOYSTICKS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		218-5057		4	HYD CONNECTOR, 9/16"-18, 37º x 9/16"-18, O-Ring, Incl. 237-6006 O-Ring
2		218-5089		8	HYD CONNECTOR, 7/16"-20, 37º x 9/16"-18, O-Ring, Incl. 237-6006 O-Ring
3		218-5105		1	ELBOW, 90º, 9/16"-18, 37º x 9/16"-18, O-Ring, Includes 237-6006; Installs in Hydraulic Tank for Pilot Return
4		87437927		1	HYDRAULIC HOSE, 1295 mm (51 in); LH Joystick No. 1 to Selector Valve B3
5		87437924		1	HYDRAULIC HOSE, 1000 mm (39-3/8 in); LH Joystick Tank to Pressure Reducing Valve T
6		87437923		1	HYDRAULIC HOSE, 1035 mm (40-3/4 in); LH Joystick Pressure to Pressure Reducing Valve J
7		87437925		1	HYDRAULIC HOSE, 1075 mm (42-3/8 in); LH Joystick No. 2 to Swing Port B
8		87437928		1	HYDRAULIC HOSE, 1270 mm (50 in); LH Joystick No. 3 to Selector Valve B4
		399004A1		1	HOSE PROTECTION, 38.90 mm ID x 270.00 mm, Used With Ref 4 - 8
9		87437926		1	HYDRAULIC HOSE, 825 mm (32-1/2 in); LH Joystick No. 4 to Swing Port A
10		87437929		1	HYDRAULIC HOSE, 1105 mm (43-1/2 in); RH Joystick Pressure to Pressure Reducing Valve J
11		87437930		1	HYDRAULIC HOSE, 1345 mm (53 in); RH Joystick Tank to Pressure Reducing Valve T
		191703A1		1	HOSE PROTECTION, Hose Guard, 28 ID x 400 mm long; Used With Ref 10, 11
12		87437933		1	HYDRAULIC HOSE, 1185 mm (46-11/16 in); RH Joystick No. 1 to Selector Valve B1
13		87437935		1	HYDRAULIC HOSE, 1175 mm (46-5/16 in); RH Joystick No. 3 to Selector Valve B2
14		87439032		1	HYDRAULIC HOSE, 1090 mm (42-15/16 in); RH Joystick No. 2 to Bucket Port B
15		87439033		1	HYDRAULIC HOSE, 915 mm (36-1/32 in); RH Joystick No. 4 to Bucket Port A

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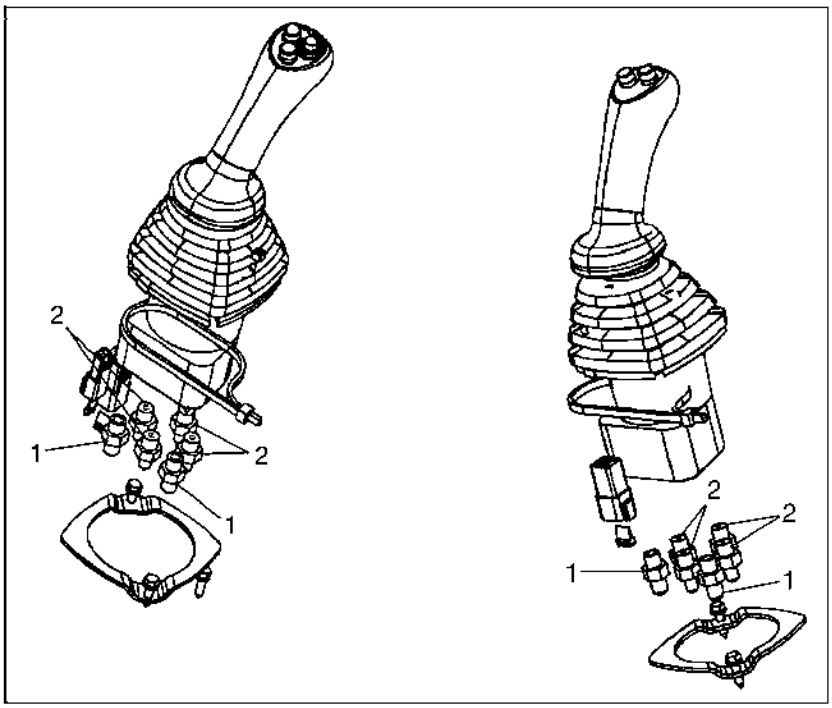
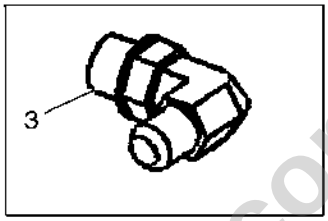
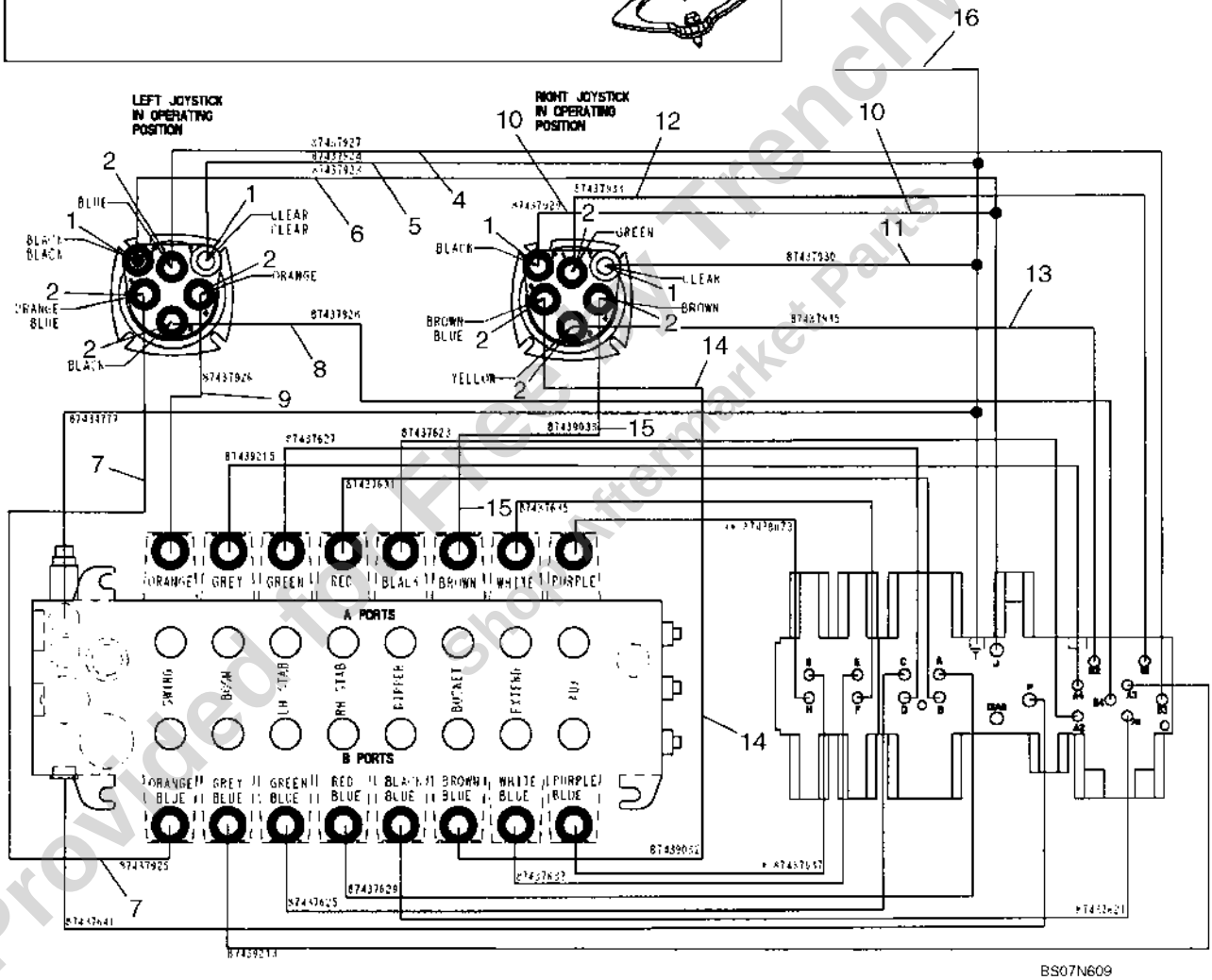
35.726.09	04	p2	04/11

HYDRAULICS - PILOT CONTROL JOYSTICKS







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HYDRAULICS - PILOT CONTROL JOYSTICKS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		191703A1		1	HOSE PROTECTION, Hose Guard, 28 ID x 400 mm long; Used With Ref 12 - 15
16		87452405		1	HYDRAULIC HOSE, 1520 mm (59-7/8 in); Pressure Reducing Valve T to Tank
		143219A1		1	HOSE PROTECTION, HOSE GUARD, 19 ID x 450 mm long; Used With Ref 16
		L18337		AR	CABLE STRAP, 9.95"-12.1" lg

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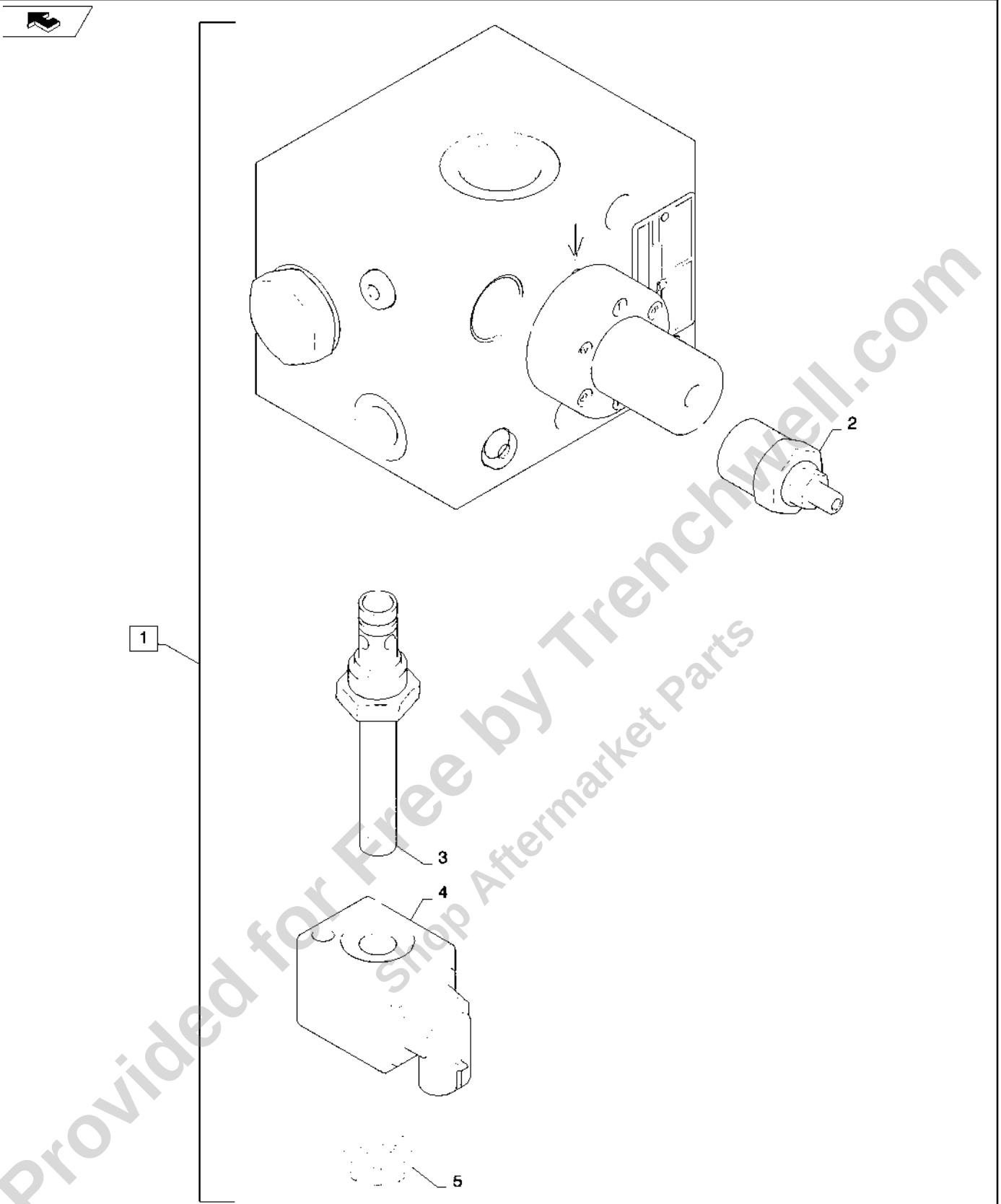
35.726.09	05	p1	11/11

VALVE ASSY - AUXILIARY UNI-DIRECTIONAL (WITH PILOT CONTROLS)



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VALVE ASSY - AUXILIARY UNI-DIRECTIONAL (WITH PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84247110		1	VALVE, Auxiliary Uni-Directional; Incl. 2 - 5
2		9970178		1	PRESSURE RELIEF VALVE
3		9970180		1	SOLENOID VALVE
4		84478803		1	COIL, Solenoid With Connector
5		9970384		1	NUT, Ring

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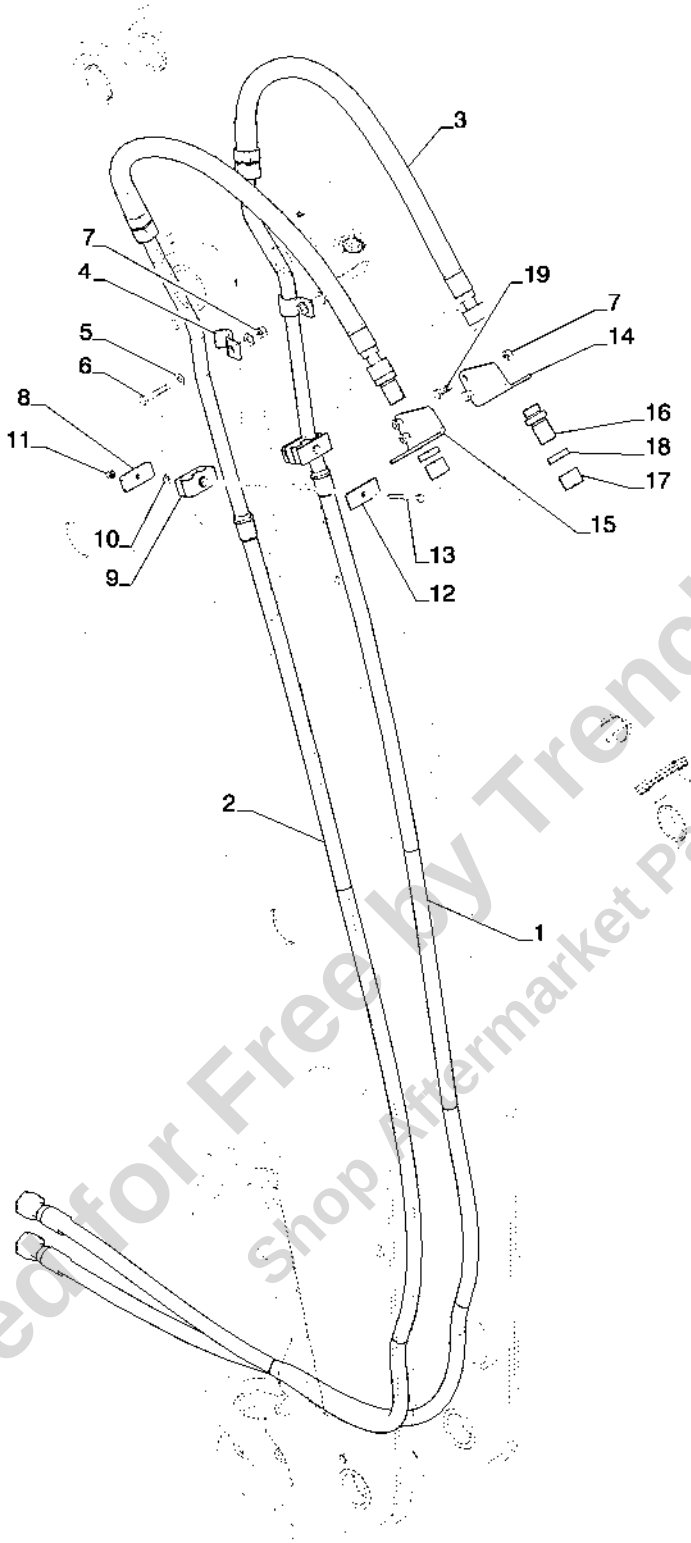
35.726.10	01	p1	12/11

HYDRAULICS - BACKHOE AUXILIARY



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HYDRAULICS - BACKHOE AUXILIARY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84280510		1	HYD. TUBE
2		84280511		1	HYD. TUBE
3		84322596		2	HOSE
4		242459A1		2	SHIN
5		87655046		4	SPECIAL WASHER
6		120070		2	BOLT, Hex, M10 x 60, 8.8
7		412141		6	LOCK NUT, M10 x 1.5, Cl 8
8		84342644		2	PLATE
9		87000146		2	CLAMP
10		87655042		2	SPECIAL WASHER
11		412250		2	LOCK NUT, M8 x 1.25, Cl 8
12		84283495		2	SECURING STRAP
13		120108		2	BOLT, Hex, M8 x 80, 8.8, Full Thd
14		84305054		1	BRACKET, Right Hand
15		84305006		1	BRACKET, Left Hand
16		201-140		2	HYD CONNECTOR, 1 3/16"-12, Blkhd, ORFS
17		201-907		2	CAP, 1 3/16"-12 ORFS
18		218-1249		2	BHD LOCK NUT, Blkhd, 1 3/16"-12
19		9515003		4	SCREW, Hex, M10 x 1.5 x 30.00mm, Cl 10.9, ZND

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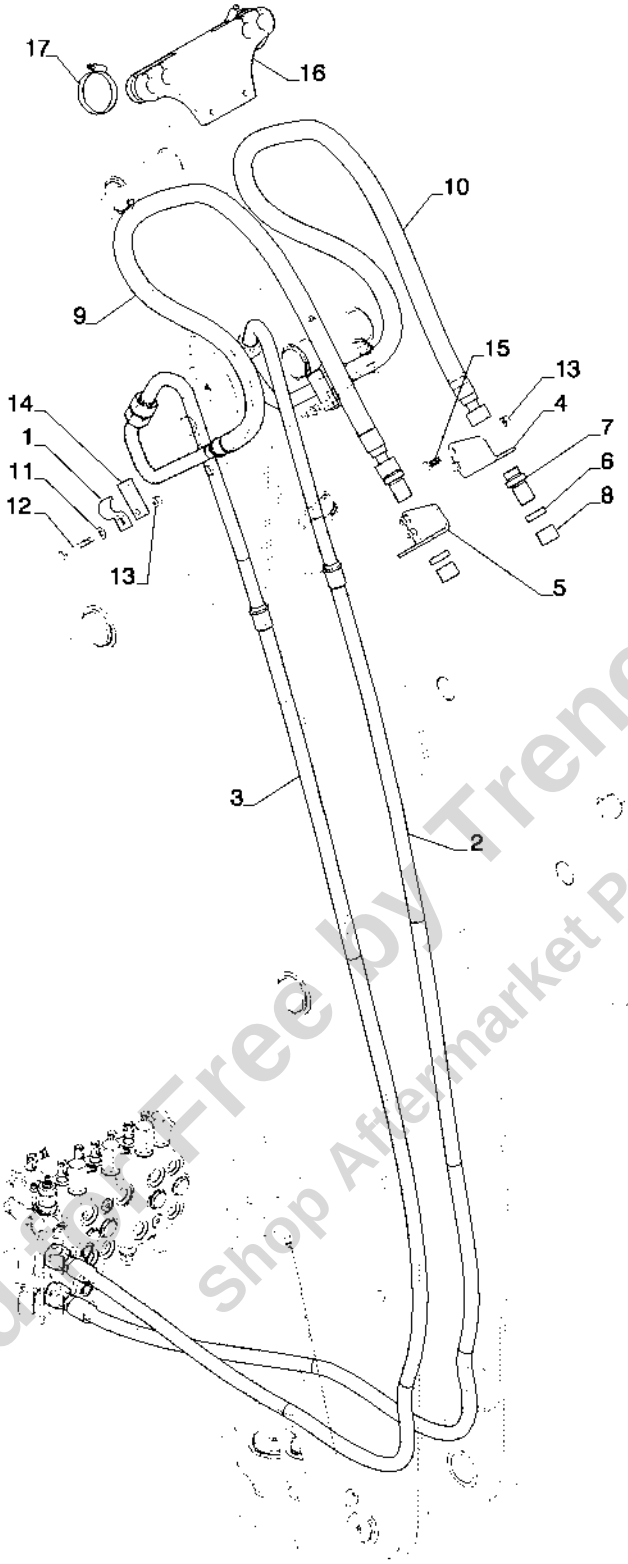
35.726.10	02	p1	07/11

HYDRAULICS - BACKHOE AUXILIARY, EXTENDABLE DIPPER (580N, 580SN, 580SN WT)



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HYDRAULICS - BACKHOE AUXILIARY, EXTENDABLE DIPPER (580N, 580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		242459A1		2	SHIN
2		84323529		1	TUBE
3		84280508		1	HYD. TUBE
4		84305054		1	BRACKET
5		84305006		1	BRACKET
6		218-1249		2	BHD LOCK NUT, Blkhd, 1 3/16"-12
7		201-140		2	HYD CONNECTOR, 1 3/16"-12, Blkhd, ORFS
8		201-907		2	CAP, 1 3/16"-12 ORFS
9		84312502		1	TUBE
10		84312504		1	TUBE
11		87655046		2	SPECIAL WASHER
12		83931335		2	BOLT, Hex, M10 x 75, 8.8
13		412141		6	LOCK NUT, M10 x 1.5, Cl 8
14		84299978		2	PLATE
15		9515003		4	SCREW, Hex, M10 x 1.5 x 30.00mm, Cl 10.9, ZND
16		84359766		1	SUPPORT
17		214-3156		2	HOSE CLAMP, 2.75/3.625 HD Worm

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580N 580SN WT
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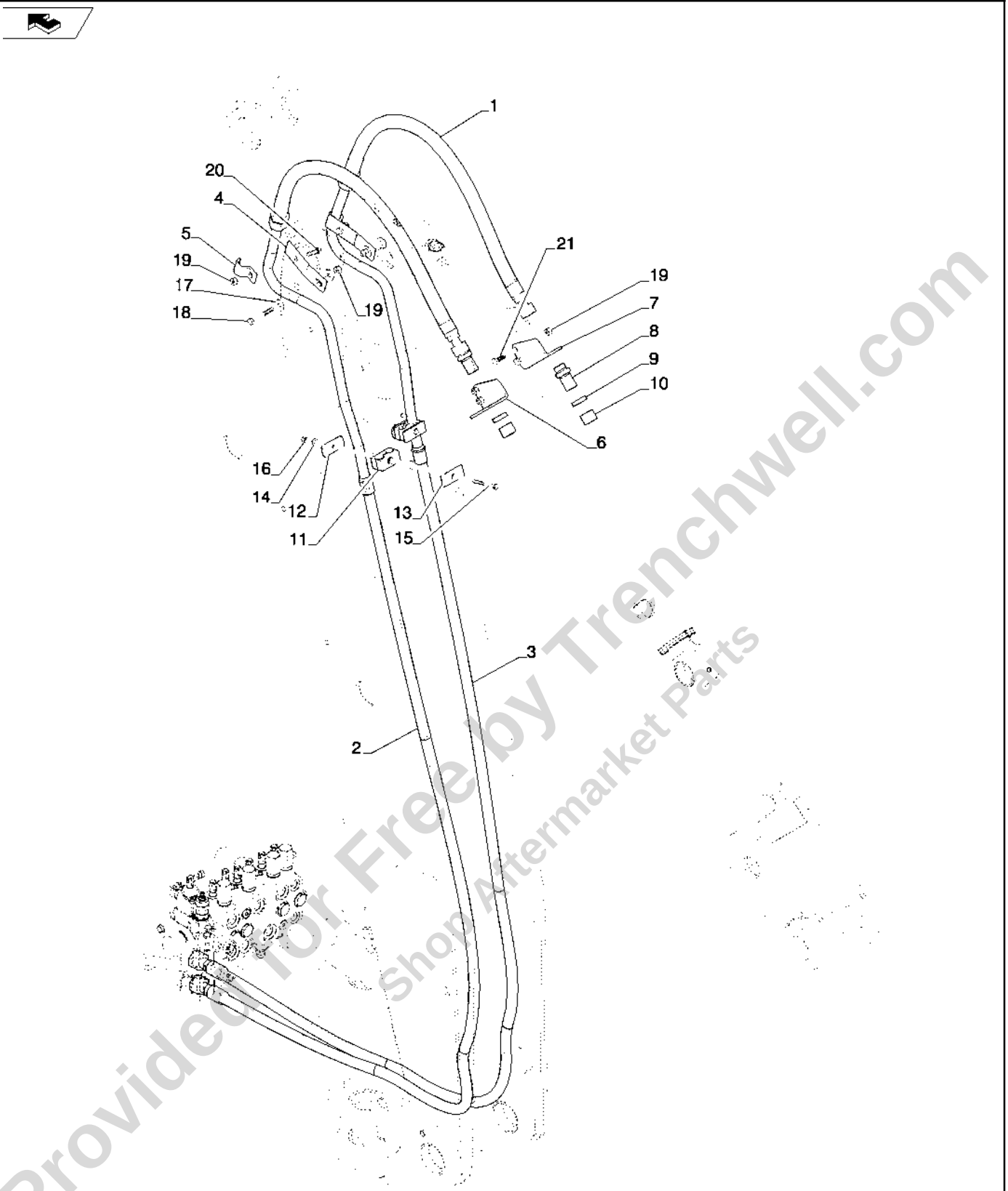
35.726.11	01	p1	06/11

HYDRAULICS - BACKHOE AUXILIARY (590SN)



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HYDRAULICS - BACKHOE AUXILIARY (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84321969		2	HOSE
2		84280514		1	HYD. TUBE
3		84280515		1	HYD. TUBE
4		84266298		2	PLATE
5		242459A1		2	SHIN
6		84305006		1	BRACKET, Left Hand
7		84305054		1	BRACKET, Right Hand
8		201-140		2	HYD CONNECTOR, 1 3/16"-12, Blkhd, ORFS
9		218-1249		2	BHD LOCK NUT, Blkhd, 1 3/16"-12
10		201-907		2	CAP, 1 3/16"-12 ORFS
11		87000146		2	CLAMP
12		84283495		2	SECURING STRAP
13		84342644		2	PLATE
14		87655042		2	SPECIAL WASHER
15		120108		2	BOLT, Hex, M8 x 80, 8.8, Full Thd
16		412250		2	LOCK NUT, M8 x 1.25, Cl 8
17		87687101		4	WASHER
18		83931335		2	BOLT, Hex, M10 x 75, 8.8
19		412141		8	LOCK NUT, M10 x 1.5, Cl 8
20		43140		2	BOLT, Hex, M10 x 30, 8.8, Full Thd
21		9515003		4	SCREW, Hex, M10 x 1.5 x 30.00mm, Cl 10.9, ZND

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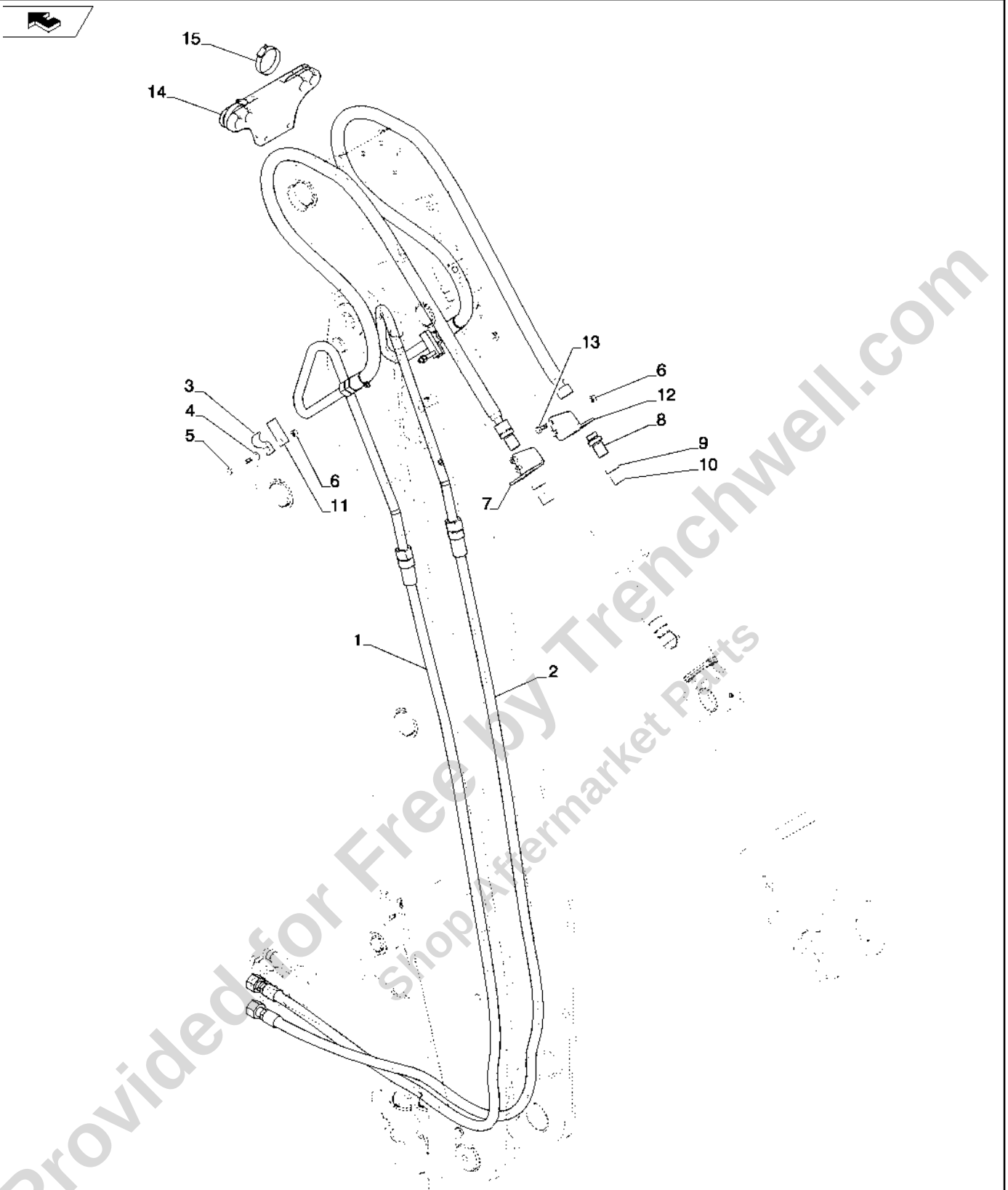
35.726.11	02	p1	06/11

HYDRAULICS - BACKHOE AUXILIARY, EXTENDABLE DIPPER (590SN)



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HYDRAULICS - BACKHOE AUXILIARY, EXTENDABLE DIPPER (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84294434		1	HYD. TUBE, Right Hand
2		84294435		1	HYD. TUBE, Left Hand
3		242459A1		2	SHIN
4		87655046		2	SPECIAL WASHER
5		814-10080		2	BOLT, Hex, M10 x 80, 8.8
6		412141		6	LOCK NUT, M10 x 1.5, Cl 8
7		84305006		1	BRACKET
8		201-140		2	HYD CONNECTOR, 1 3/16"-12, Blkhd, ORFS
9		218-1249		2	BHD LOCK NUT, Blkhd, 1 3/16"-12
10		201-907		2	CAP, 1 3/16"-12 ORFS
11		84299978		2	PLATE
12		84305054		1	BRACKET
13		9515003		4	SCREW, Hex, M10 x 1.5 x 30.00mm, Cl 10.9, ZND
14		84359766		1	SUPPORT
15		214-3156		2	HOSE CLAMP, 2.75/3.625 HD Worm

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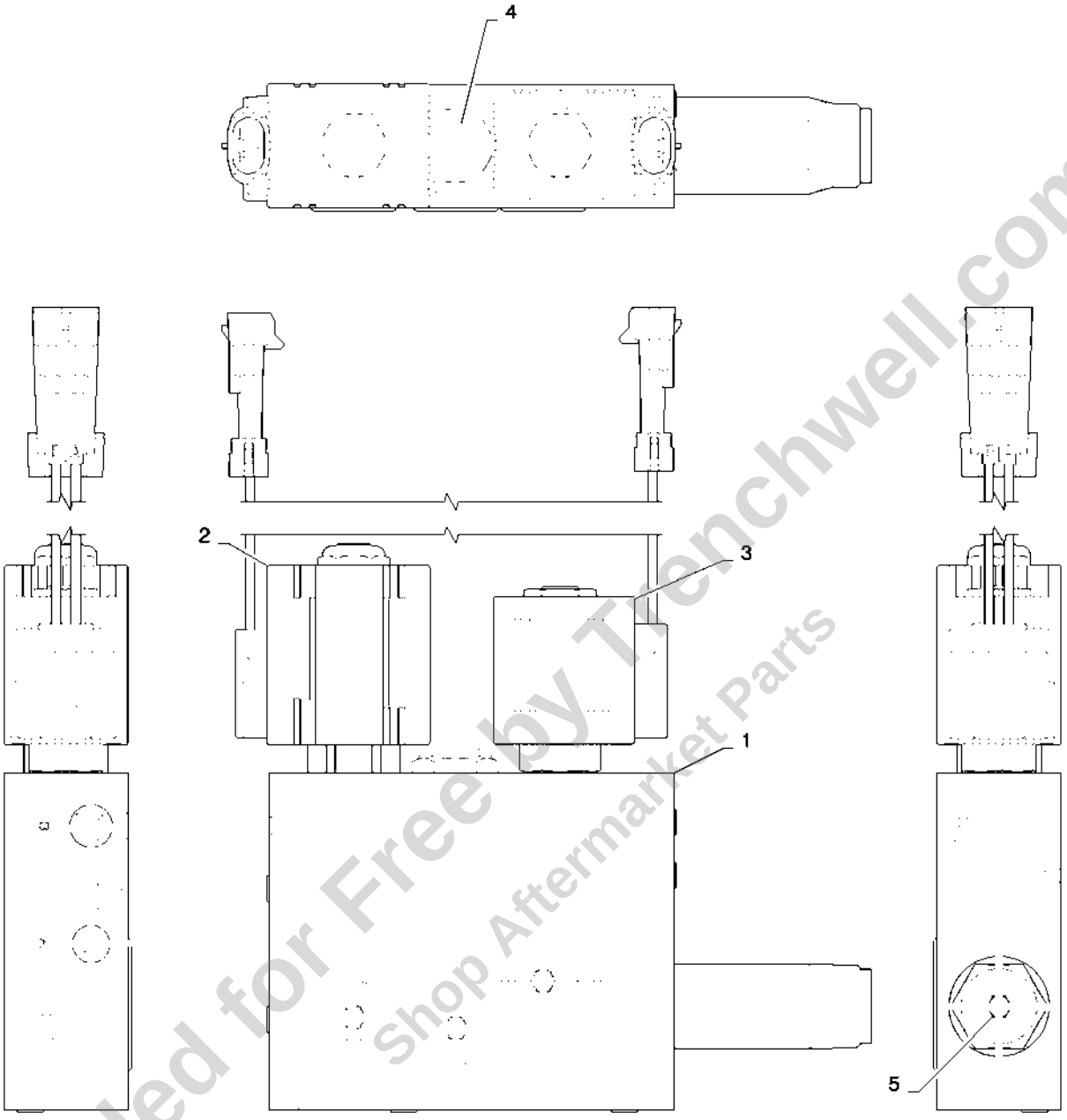
35.726.12	01	p1	10/11

VALVE, SINGLE COUPLER - LOADER TOOL OR BACKHOE



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VALVE, SINGLE COUPLER - LOADER TOOL OR BACKHOE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87435909		1	SOLENOID VALVE, Incl. Ref 1 - 5
1		NSS		1	NOT SERVICED SEPARATELY, BODY
2		87438021		1	SOLENOID VALVE, 4-Way Cartridge With Coil; Includes 87438022, 87438023, 87438024
		87438022		1	HYDRAULIC VALVE, Cartridge
		87438023		1	COIL, Solenoid
		87438024		1	SEAL KIT, 4-Way Solenoid
3		87438025		1	SOLENOID VALVE, 2-Way 2-Position Cartridge With Coil; Includes 87438026, 87438027, 87438028
		87438026		1	HYDRAULIC VALVE, Cartridge
		87438027		1	COIL, Solenoid
		87438028		1	SEAL KIT, 2-Way Solenoid
4		87438029		1	VALVE, CHECK, Includes 87438028 Seal Kit
		87438028		1	SEAL KIT, 2-Way Solenoid
5		84200896		1	PRESSURE RELIEF VALVE, Includes 87438028
		87438028		1	SEAL KIT, Relief Valve

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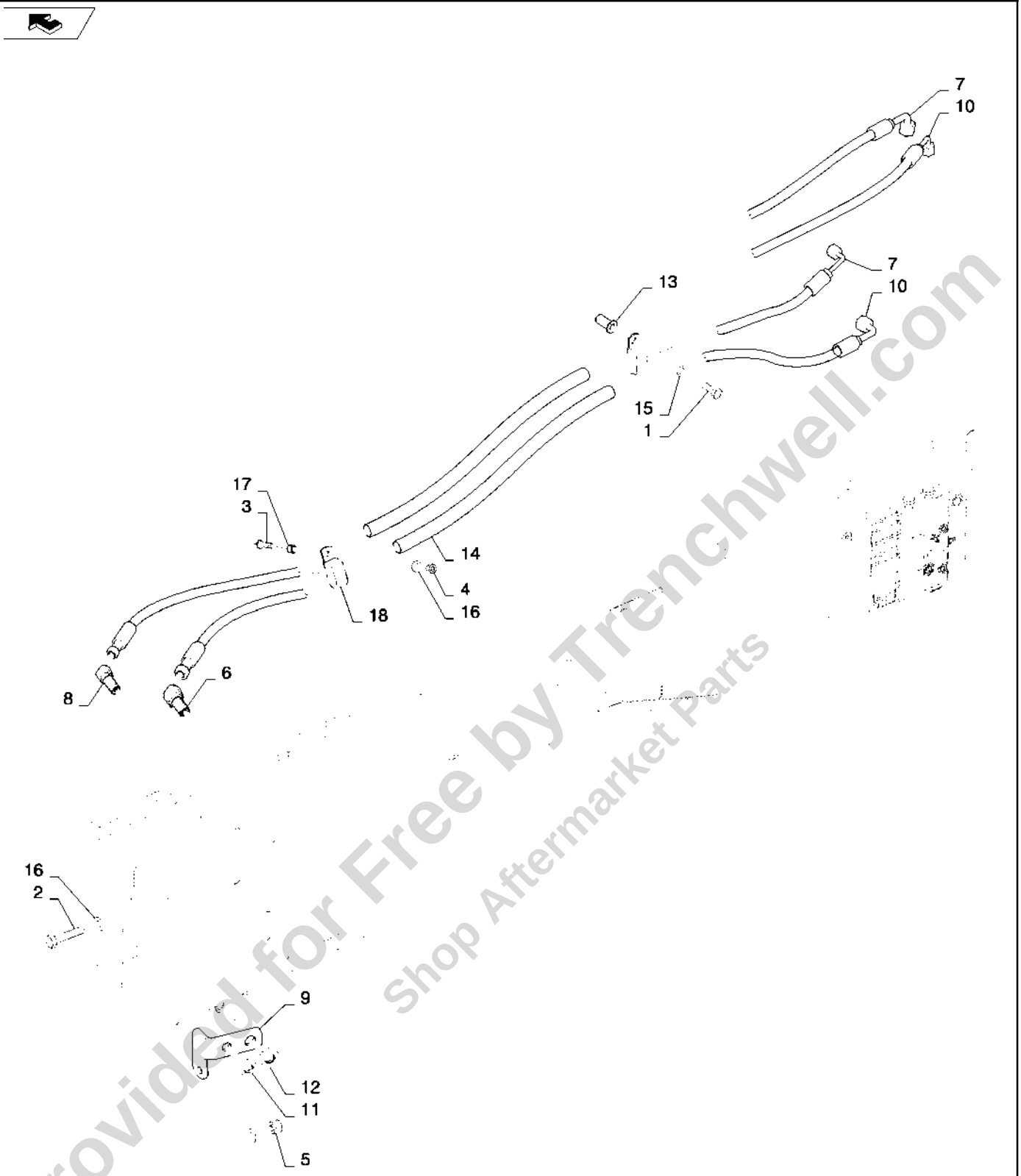
35.726.12	02	p1	10/11

HYDRAULICS - COUPLER VALVE TO BULKHEAD

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HYDRAULICS - COUPLER VALVE TO BULKHEAD

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		614-10025		1	BOLT, Hex, M10 x 25, 8.8, Full Thd
2		814-10045		1	BOLT, Hex, M10 x 45, 8.8
3		814-8040		1	BOLT, Hex, M8 x 40, 8.8
4		832-10408		1	LOCK NUT, M8 x 1.25, Cl 8
5		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
6		84285335		1	45 ELBOW, 45D Bulkhead ORFS 10MM
7		84329631		1	HOSE ASSY., Coupler B Port
8		84331286		1	45 ELBOW, 45, Bulkhead ORFS 6MM
9		84332789		1	BRACKET, Bulkhead
10		84395678		1	HOSE ASSY., Coupler A Port
11		86639063		1	LOCK NUT
12		87010704		1	LOCK NUT, 11/16"-16, Blkhd
13		87417721		1	THREADED INSERT
14		87452021		2	GUARD
15		87655042		2	SPECIAL WASHER
16		87655046		2	SPECIAL WASHER
17		120303A1		1	SPACER
18		L101181		2	CLAMP

580SN WT 580SN
590SN

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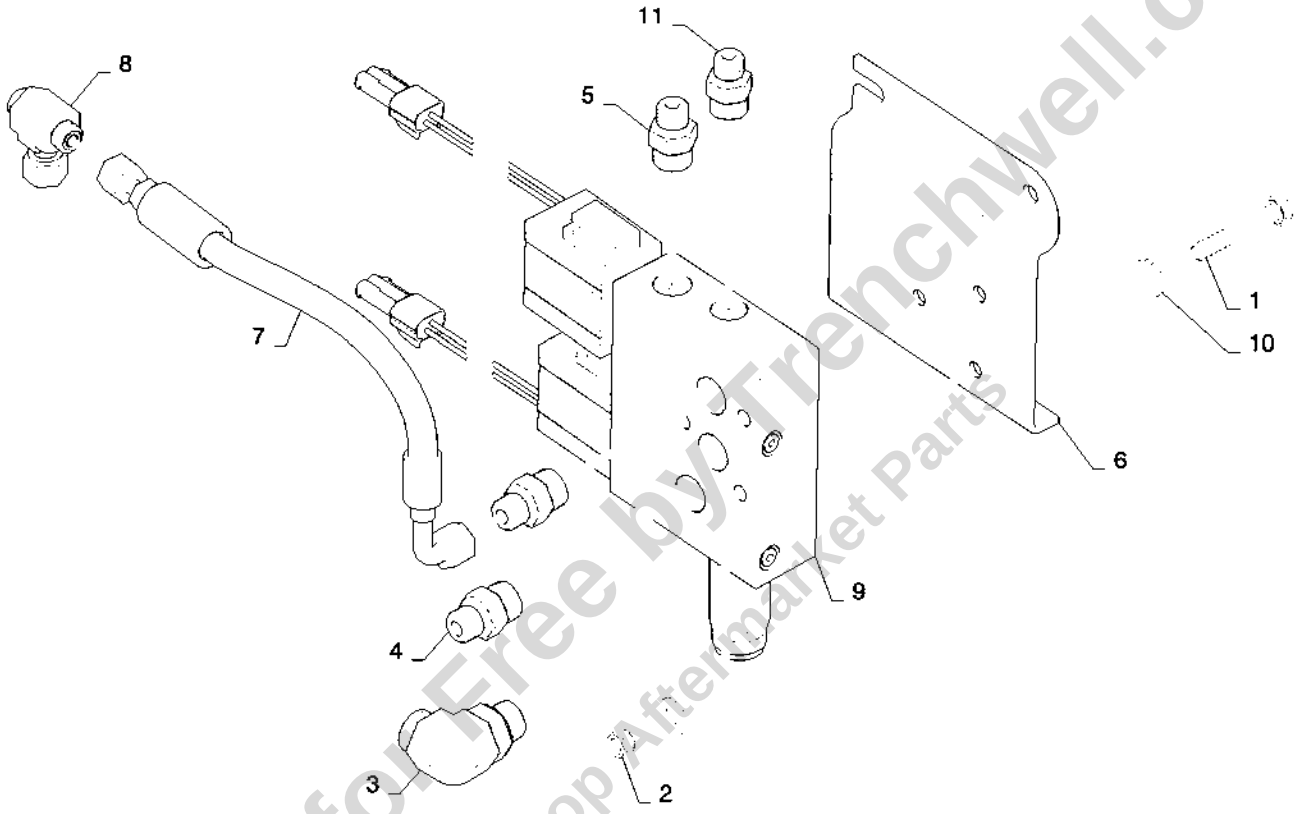
35.726.12	03	p1	10/11

VALVE INSTALL - SINGLE COUPLER



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VALVE INSTALL - SINGLE COUPLER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		814-10060		2	BOLT, Hex, M10 x 60, 8.8
2		829-1410		2	NUT, M10, Cl 10
3		9840543		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
4		9993143		2	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
5		84261550		1	FITTING
6		84275116		1	BRACKET, Coupler Valve Mounting
7		84514721		1	HOSE ASSY., Return
8		86591334		1	TEE, 11/16"-16 ORFS x 11/16"-16 Fem Sw Br
9		87435909		1	SOLENOID VALVE, Quick Coupler; See Fig. 35.726.12(01)
10		87655046		4	SPECIAL WASHER
11		87681202		1	HYD CONNECTOR

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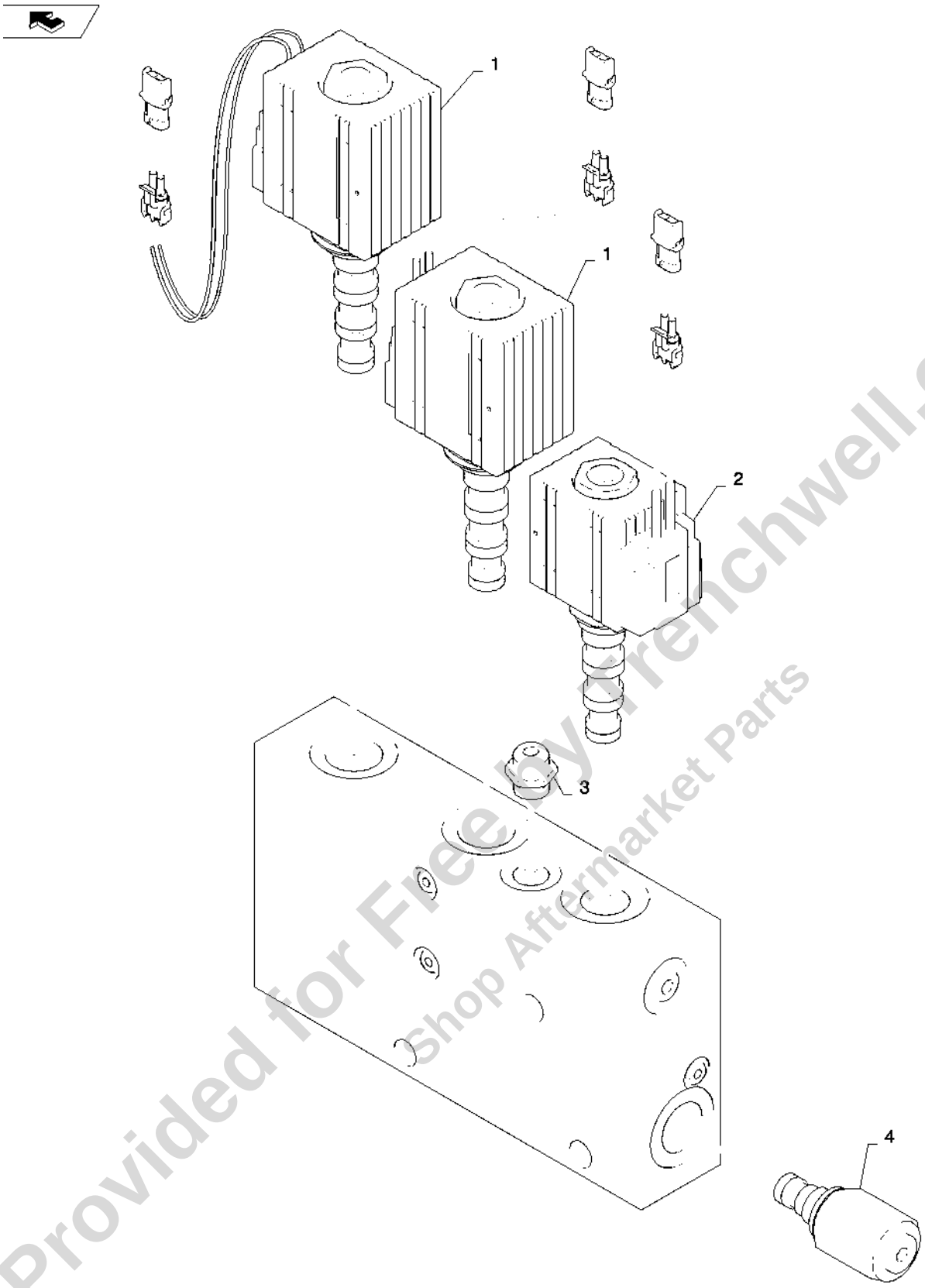
35.726.12	04	p1	10/11

VALVE, DUAL COUPLER - LOADER TOOL AND BACKHOE (580SN, 580SN WT, 590SN)



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VALVE, DUAL COUPLER - LOADER TOOL AND BACKHOE (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87435910		1	SOLENOID VALVE, Dual Coupler; Incl. Ref 1 - 4
1		87438021		2	SOLENOID VALVE, 4-Way Cartridge With Coil; Includes 87438022, 87438023, 87438024
		87438022		1	HYDRAULIC VALVE, Cartridge
		87438023		1	COIL, Solenoid
		87438024		1	SEAL KIT, 4-Way Solenoid
2		87438025		1	SOLENOID VALVE, 2-Way 2-Position Cartridge With Coil; Includes 87438026, 87438027, 87438028
		87438026		1	HYDRAULIC VALVE, Cartridge
		87438027		1	COIL, Solenoid
		87438028		1	SEAL KIT, 2-Way Soleniod
3		87438029		1	VALVE, CHECK, Includes 87438028 Seal Kit
		87438028		1	SEAL KIT, 2-Way Solenoid
4		84200896		1	PRESSURE RELIEF VALVE, Includes 87438028 Seal Kit
		87438028		1	SEAL KIT, Relief Valve

580SN WT 580SN
590SN

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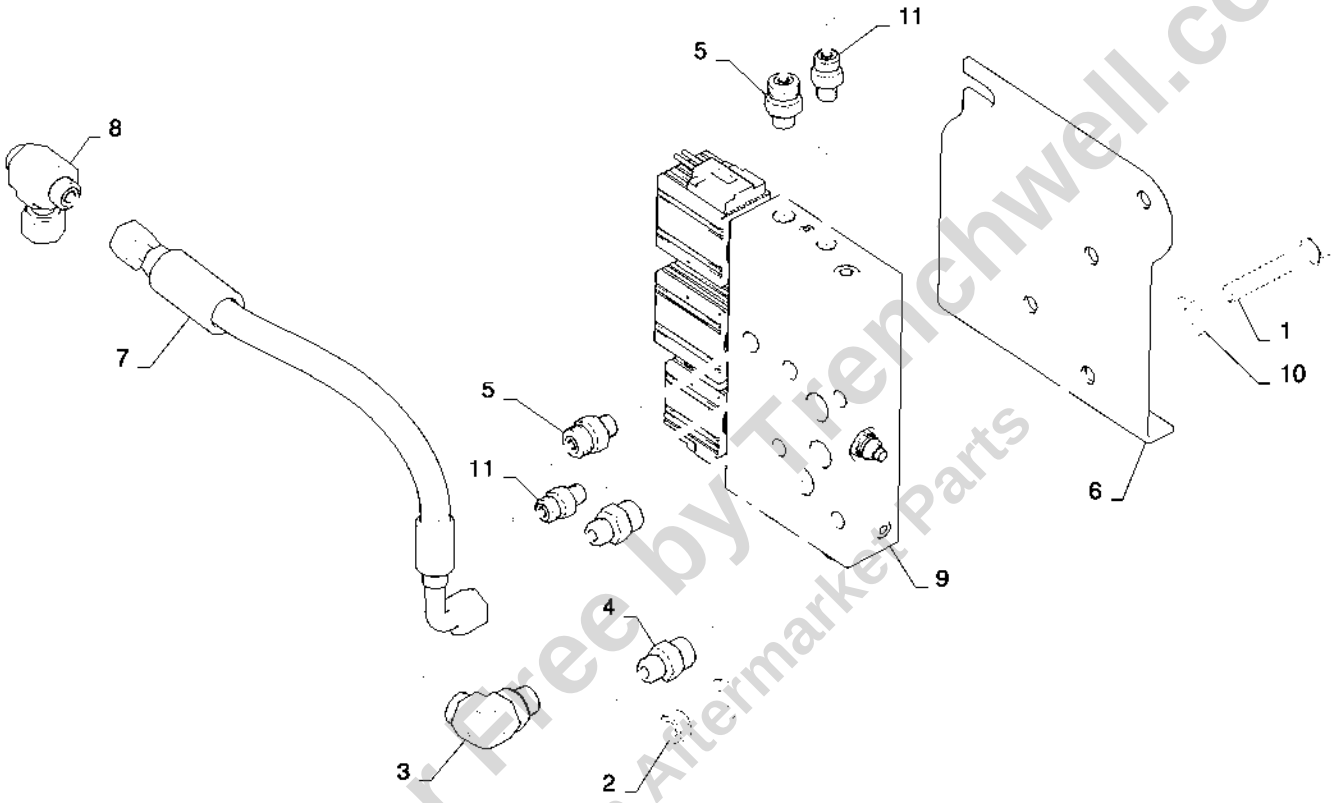
35.726.12	06	p1	10/11

VALVE INSTALL - DUAL COUPLER (580SN, 580SN WT, 590SN)



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VALVE INSTALL - DUAL COUPLER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		814-10060		2	BOLT, Hex, M10 x 60, 8.8
2		829-1410		2	NUT, M10, Cl 10
3		9840543		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
		9993141		1	O-RING, 0.364" ID x 0.504" OD x 0.07"
		9617873		1	O-RING, 0.468" ID x 0.078" Width
4		9993143		2	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
		9993141		1	O-RING, 0.364" ID x 0.504" OD x 0.07"
		9617873		1	O-RING, 0.468" ID x 0.078" Width
5		84261550		2	FITTING
		9993141		1	O-RING, 0.364" ID x 0.504" OD x 0.07"
		129270		1	O-RING, 0.414" ID x 0.072" Width
6		84275116		1	BRACKET
7		84514721		1	HOSE ASSY., Coupler Return
8		86591334		1	TEE, 11/16"-16 ORFS x 11/16"-16 Fem Sw Br
		9993141		2	O-RING, 0.364" ID x 0.504" OD x 0.07"
9		87435910		1	SOLENOID VALVE, Dual Coupler
10		87655046		4	SPECIAL WASHER
11		87681202		2	HYD CONNECTOR
		9825770		1	O-RING, 0.301" ID x 0.441" OD x 0.07"
		165202		1	O-RING, 0.351" ID x 0.072" Width

580SN WT 580SN
590SN

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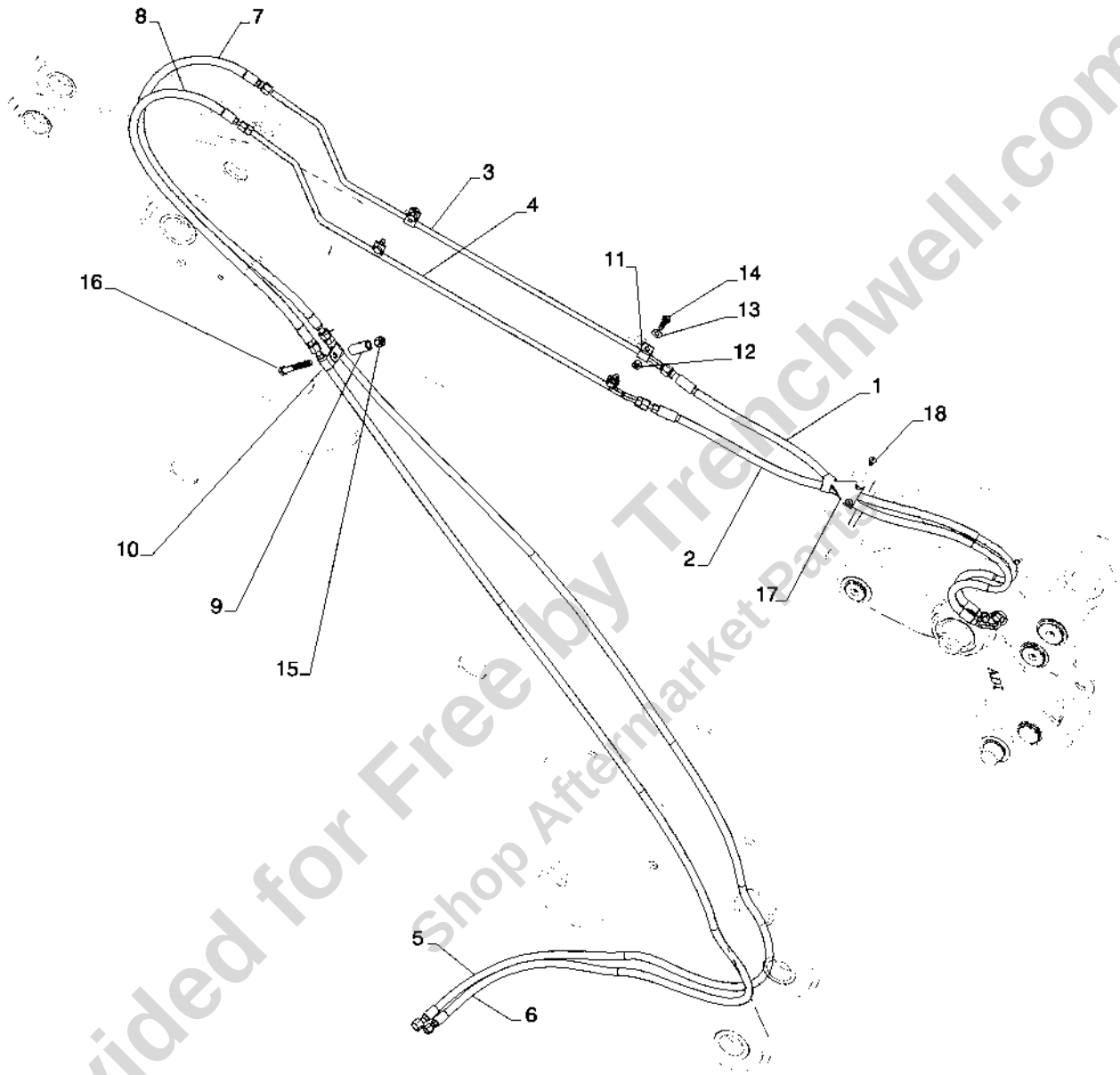
35.726.13	01	p1	07/10

HYDRAULICS - COUPLER, BACKHOE BUCKET (STANDARD DIPPER)

-



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HYDRAULICS - COUPLER, BACKHOE BUCKET (STANDARD DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84291454		1	HYD. TUBE
2		84291453		1	HYD. TUBE
3		84262882		1	HYD. TUBE
4		84262886		1	HYD. TUBE
5		84263979		1	HOSE ASSY.
6		84263978		1	HOSE ASSY.
7		84263978		1	HOSE ASSY.
8		84263979		1	HOSE ASSY.
9		87733372		1	SPACER
10		515-25190		2	CLAMP, 3/4", Insul, 1/2" Bolt
11		84261209		4	CLAMP
12		829-1310		4	NUT, M10, Cl 10
13		87655046		4	SPECIAL WASHER
14		627-10025		4	BOLT, Hex, M10 x 25, 10.9, Full Thd
15		825-11412		1	NUT, M12 x 1.25, Cl 8
16		814-12080		1	BOLT, Hex, M12 x 80, 8.8
17		87418551		1	CLAMP
18		407975A1		2	HEX SOC SCREW

590SN 580SN WT
580SN

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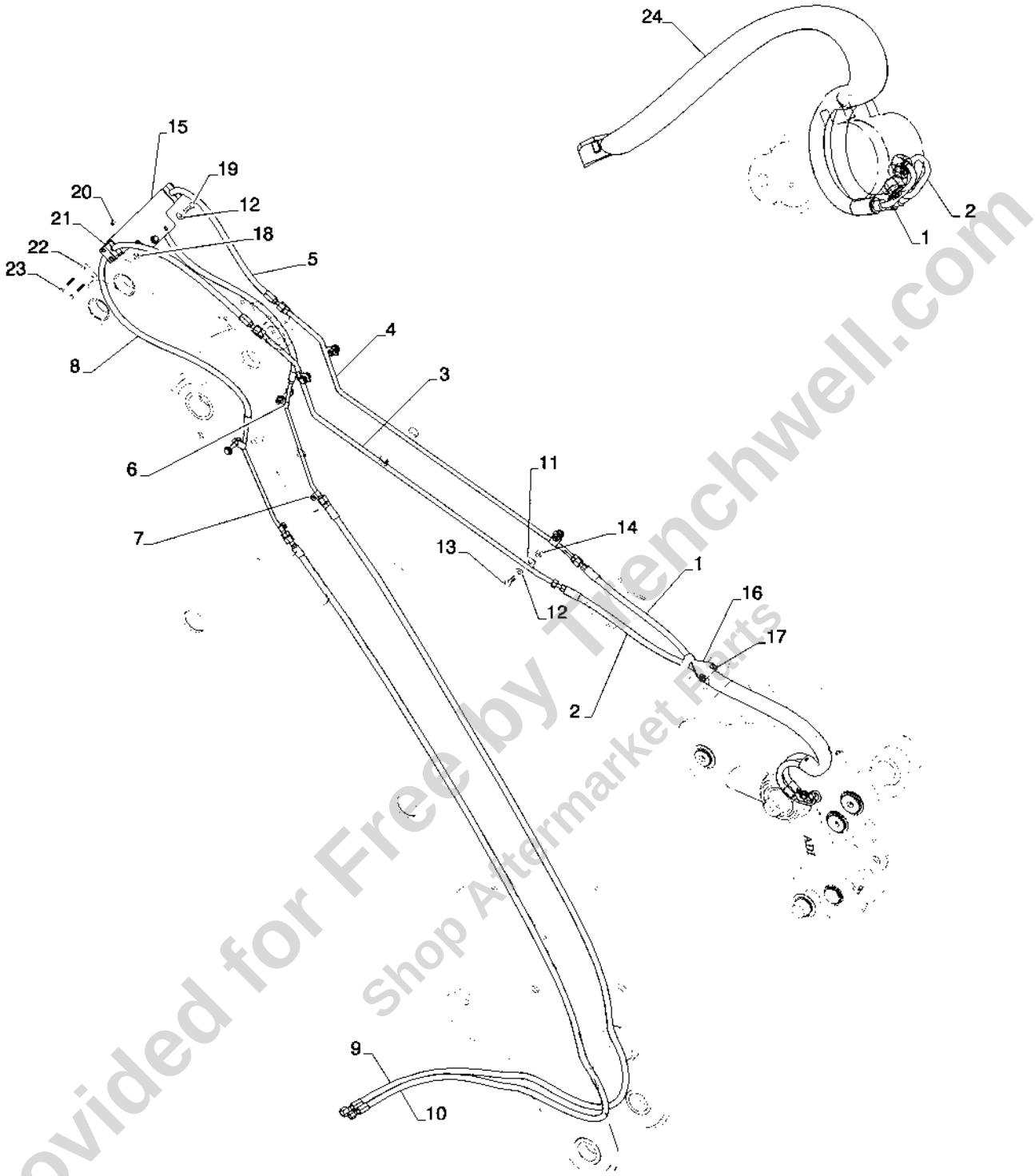
35.726.13	02	p1	12/11

HYDRAULICS - COUPLER, BACKHOE BUCKET (EXTENDABLE DIPPER)



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HYDRAULICS - COUPLER, BACKHOE BUCKET (EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84291454		1	HYD. TUBE
2		84291453		1	HYD. TUBE
3		84262886		1	HYD. TUBE
4		84262882		1	HYD. TUBE
5		84262891		1	HYD. TUBE
6		515-2595		2	CLAMP, 3/8", Insul, 1/2" Bolt
7		515-2295		2	CLAMP, 3/8", Insul, 5/16" Bolt
8		84262901		1	HYD. TUBE
9		84321181		1	HOSE ASSY.
10		84321180		1	HOSE ASSY.
11		84261209		4	CLAMP
12		87655046		6	SPECIAL WASHER
13		627-10025		4	BOLT, Hex, M10 x 25, 10.9, Full Thd
14		829-1310		4	NUT, M10, Cl 10
15		84263664		1	CLAMP BRACKET
16		87418551		1	CLAMP
17		407975A1		2	HEX SOC SCREW
18		100016		2	NUT, M10, Cl 8
19		9706704		2	BOLT, Hex, M10 x 35, 8.8, Full Thd
20		829-1406		4	NUT, M6, Cl 10
21		117395A1		2	COLLAR CLAMP
22		1541537C1		2	PLATE
23		827-6050		4	BOLT, Hex, M6 x 50, 10.9
24		84355976		1	PROTECTIVE SLEEVE

580SN WT
580SN

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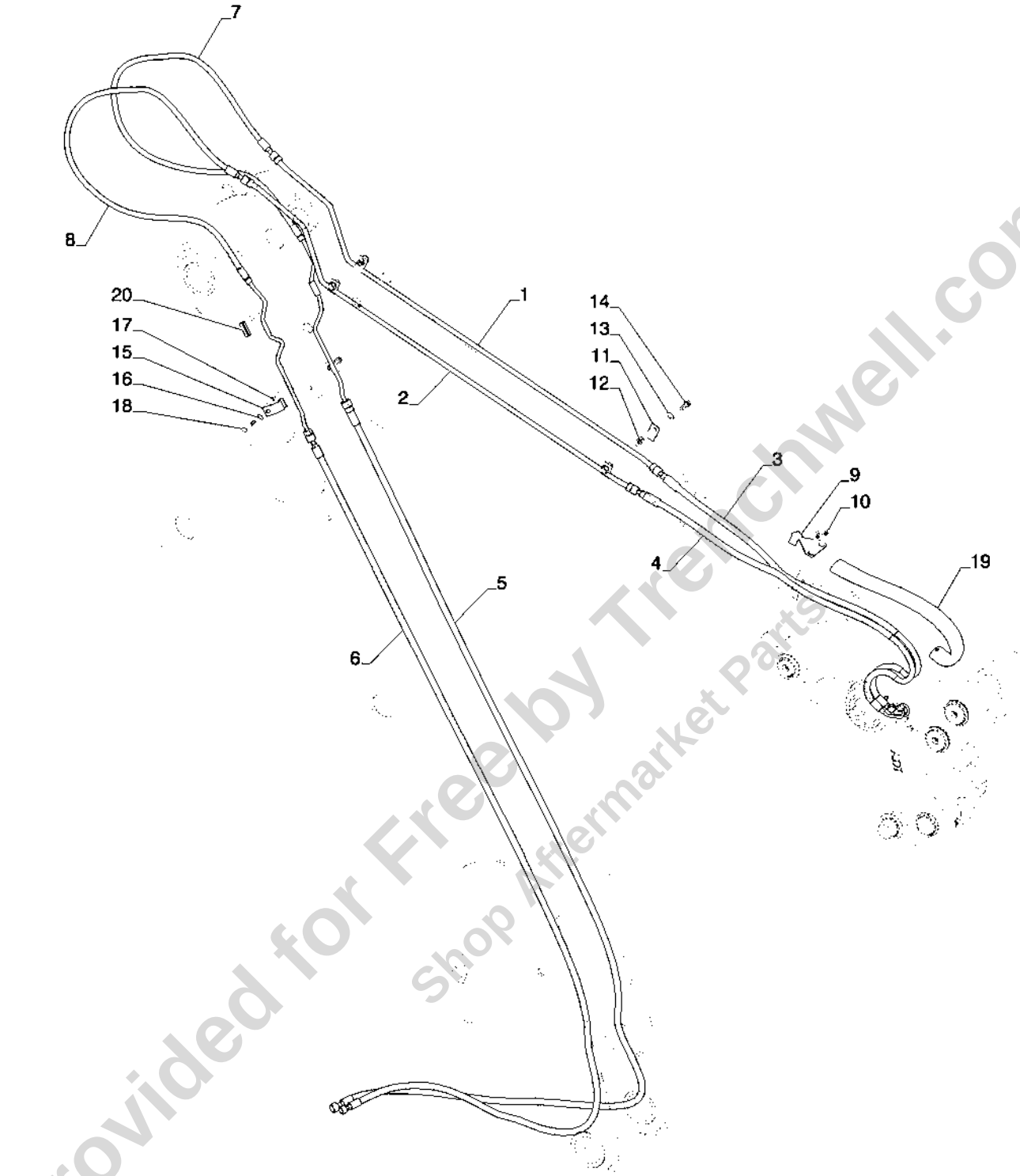
35.726.14		p1	03/11

HYDRAULICS - COUPLER, BACKHOE BUCKET (EXTENDABLE DIPPER)(590SN)



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HYDRAULICS - COUPLER, BACKHOE BUCKET (EXTENDABLE DIPPER)(590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84263539		1	HYD. TUBE, Left Hand
2		84263543		1	HYD. TUBE, Right Hand
3		84338030		1	HYD. TUBE, Dipper to Coupler Left Hand
4		84338027		1	HYD. TUBE, Dipper to Coupler Right Hand
5		84329636		1	HOSE ASSY., Coupler Boom Left hand
6		84329637		1	HOSE ASSY., Coupler Boom Right Hand
7		84263545		1	HYD. TUBE, Coupler Boom to Dipper Left Hand
8		84263547		1	HYD. TUBE, Coupler Boom to Dipper Right Hand
9		87418551		1	CLAMP
10		407975A1		2	HEX SOC SCREW
11		84261209		4	CLAMP
12		412141		4	LOCK NUT, M10 x 1.5, Cl 8
13		87655046		4	SPECIAL WASHER
14		935388		4	BOLT, Hex, M10 x 28, 8.8, Full Thd
15		84269591		2	CLAMP
16		87655042		2	SPECIAL WASHER
17		412250		2	LOCK NUT, M8 x 1.25, Cl 8
18		86625003		2	BOLT, Hex, M8 x 50, 10.9
19		84355976		1	PROTECTIVE SLEEVE
20		84372989		2	GUARD

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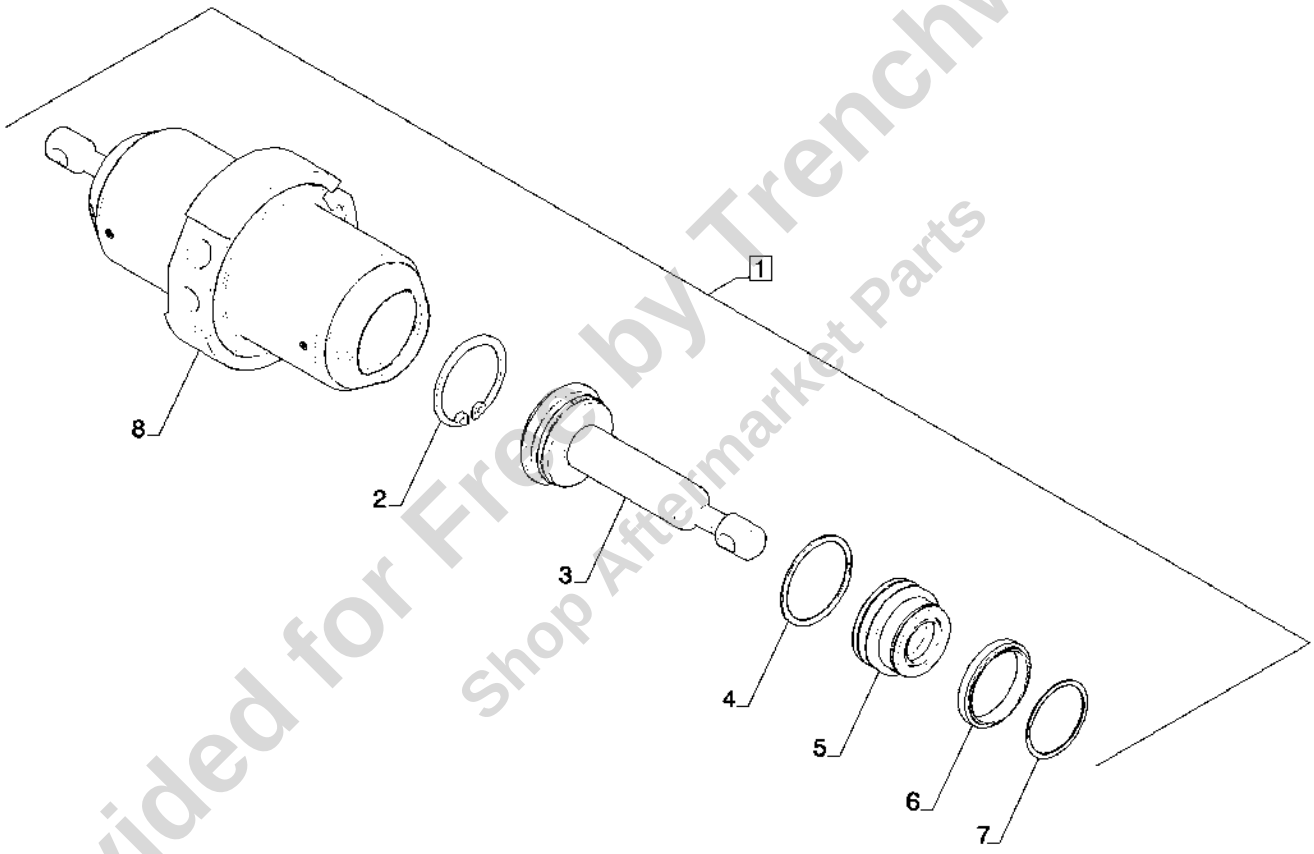
35.726.15		p1	11/10

CYLINDER - COUPLER, BACKHOE BUCKET



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CYLINDER - COUPLER, BACKHOE BUCKET

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84270939		1	HYDRAULIC CYLINDER
2		800-6138		1	SNAP RING, M38, Int
3		399909A3		2	ROD
4		102-23150		2	SNAP RING, #150, 1.591", Int, Spiral
5		84270943		2	GLAND
6		84270950		2	SPACER
7		102-12125		2	SNAP RING, #125, 1.188", Ext Spiral
8		87615850		1	TUBE, 38.1 mm ID

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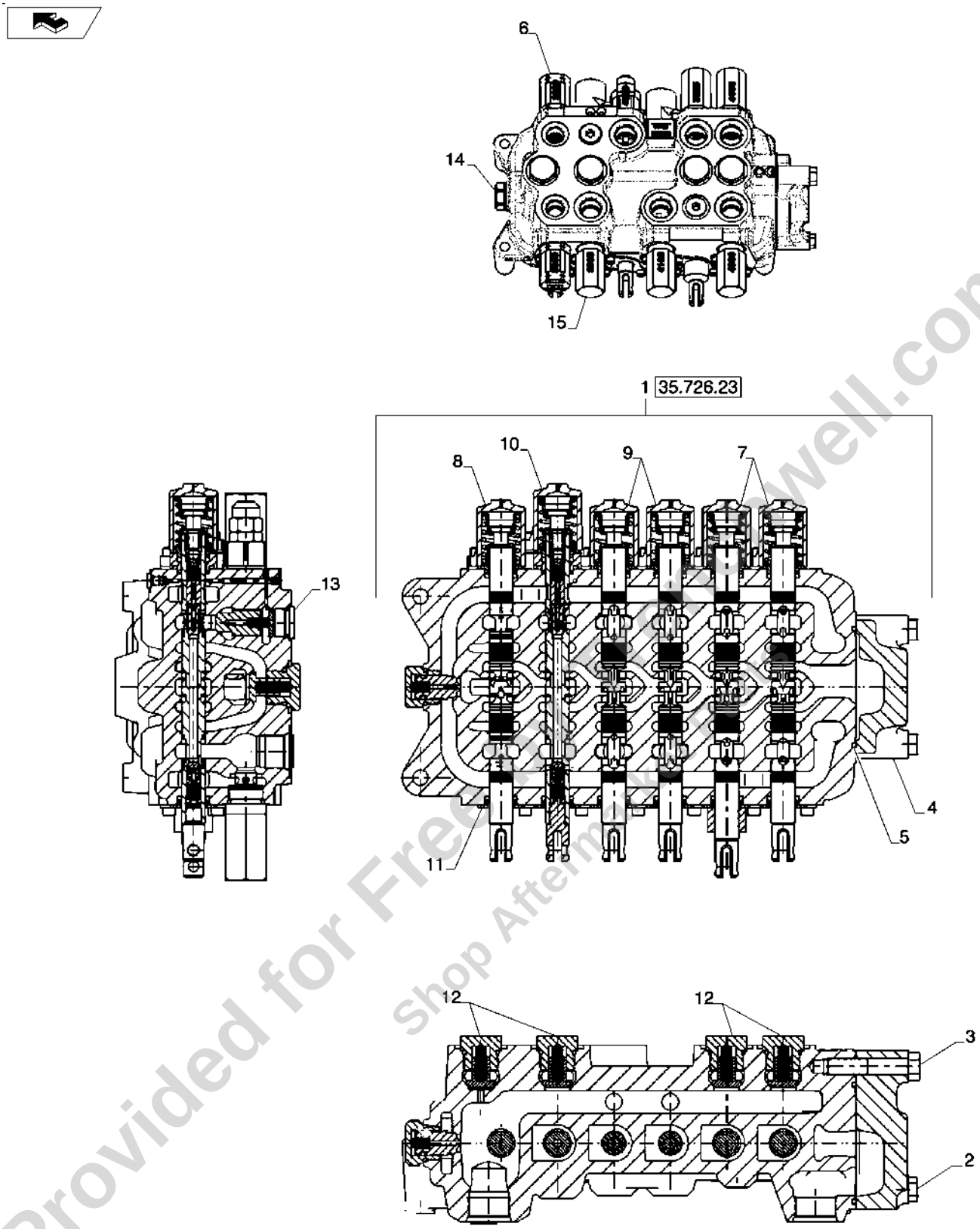
35.726.16	01	p1	09/11

VALVE - BACKHOE CONTROL, 6 SPOOL (W/O EXT DIPPER, W/O AUX HYDS, W/O PILOT CONTROLS)



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http://www.minnparbackhoeparts.com/

VALVE - BACKHOE CONTROL, 6 SPOOL (W/O EXT DIPPER, W/O AUX HYDS, W/O PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84273236		1	VALVE, Foot Swing, Inc 2-15
1		84273237		1	VALVE, Hand Swing, Inc 2-7, 9-15
		{}			SEAL KIT; See Fig. 35.726.26
2		87428491		2	SCREW
3		87428492		1	SCREW
4		87433030		1	HYD VALVE SECTION
5		87428495		1	O-RING
6		84296800		2	PRESSURE RELIEF VALVE
7		84296859		2	KIT
8		84296861		1	SERVICE KIT
9		84296826		2	SERVICE KIT
10		84296862		1	COVER
11		84315193		6	SEAL
12		87426238		4	VALVE, CHECK
13		87428486		1	VALVE, CHECK
14		81868381		1	VALVE, CHECK
15		84296804		6	PRESSURE RELIEF VALVE

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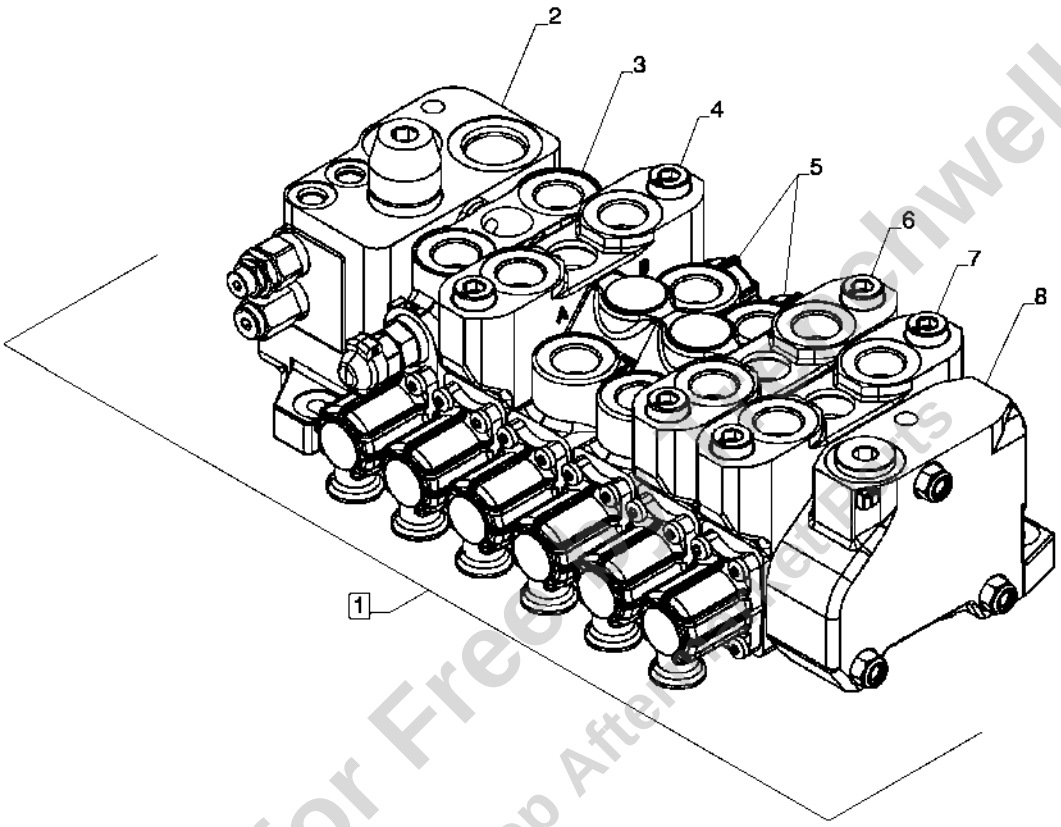
35.726.16	02	p1	09/11

VALVE - BACKHOE CONTROL, 6 SPOOL (W/O EXT DIPPER, W/O AUX HYDS, W/ PILOT CONTROLS)



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VALVE - BACKHOE CONTROL, 6 SPOOL (W/O EXT DIPPER, W/O AUX HYDS, W/ PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84214054		1	PILOT VALVE, 580N
1		84269983		1	PILOT VALVE, 580SN, 580SN WT,590SN
		{}			SEAL KIT; See Fig. 35.726.26
2		84355708		1	HYD VALVE SECTION
3		87751023		1	HYD VALVE SECTION
4		84278714		1	HYD VALVE SECTION
5		84157939		5	HYD VALVE SECTION
6		84278710		1	HYD VALVE SECTION
7		84278702		1	HYD VALVE SECTION
8		85811915		1	HYD VALVE SECTION
9		85811958		1	KIT

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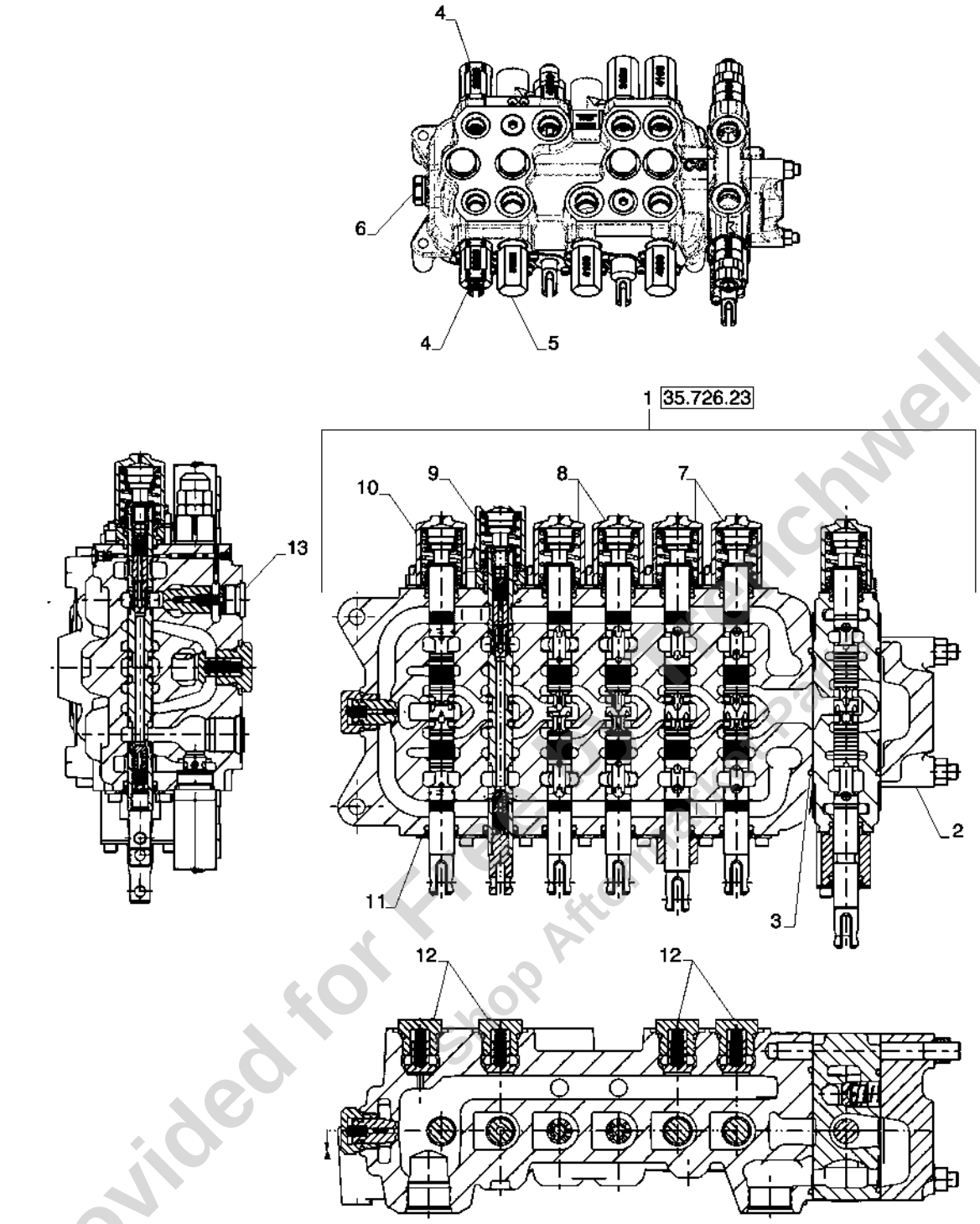
580N 580SN WT
590SN 580SN

http://www.minnparbackhoeparts.com/

35.726.17	01	p1	09/11

VALVE - BACKHOE CONTROL, 7 SPOOL (W/O EXT DIPPER,W/ AUX HYDS, W/O PILOT CONTROLS)



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VALVE - BACKHOE CONTROL, 7 SPOOL (W/O EXT DIPPER,W/ AUX HYDS, W/O PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84273245		1	VALVE
1		84273247		1	VALVE, Hand Swing, Inc 1-9, 11-15
		{}			SEAL KIT; See Fig. 35.726.26
2		87433030		1	HYD VALVE SECTION
3		87428495		2	O-RING
4		84296800		2	PRESSURE RELIEF VALVE
5		84296804		6	PRESSURE RELIEF VALVE
6		81868381		1	VALVE, CHECK
7		84296859		2	KIT
8		84296826		2	SERVICE KIT
9		84296862		1	COVER
10		84296861		1	SERVICE KIT
11		84315193		6	SEAL
12		87426238		4	VALVE, CHECK
13		87428486		1	VALVE, CHECK
14		83981068		2	STOP PLUG, (Not Shown)
15		84276556		1	SERVICE KIT, (Not Shown)

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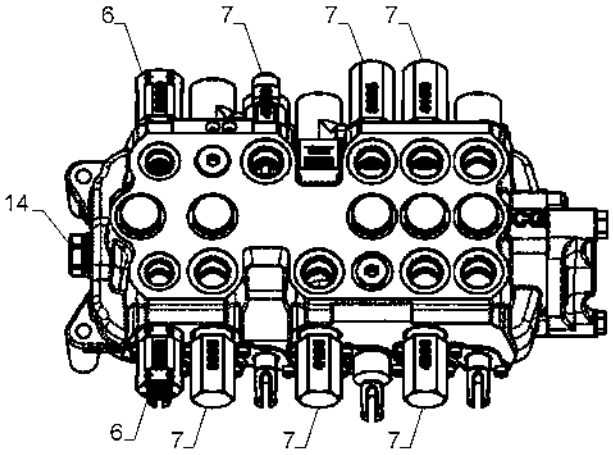
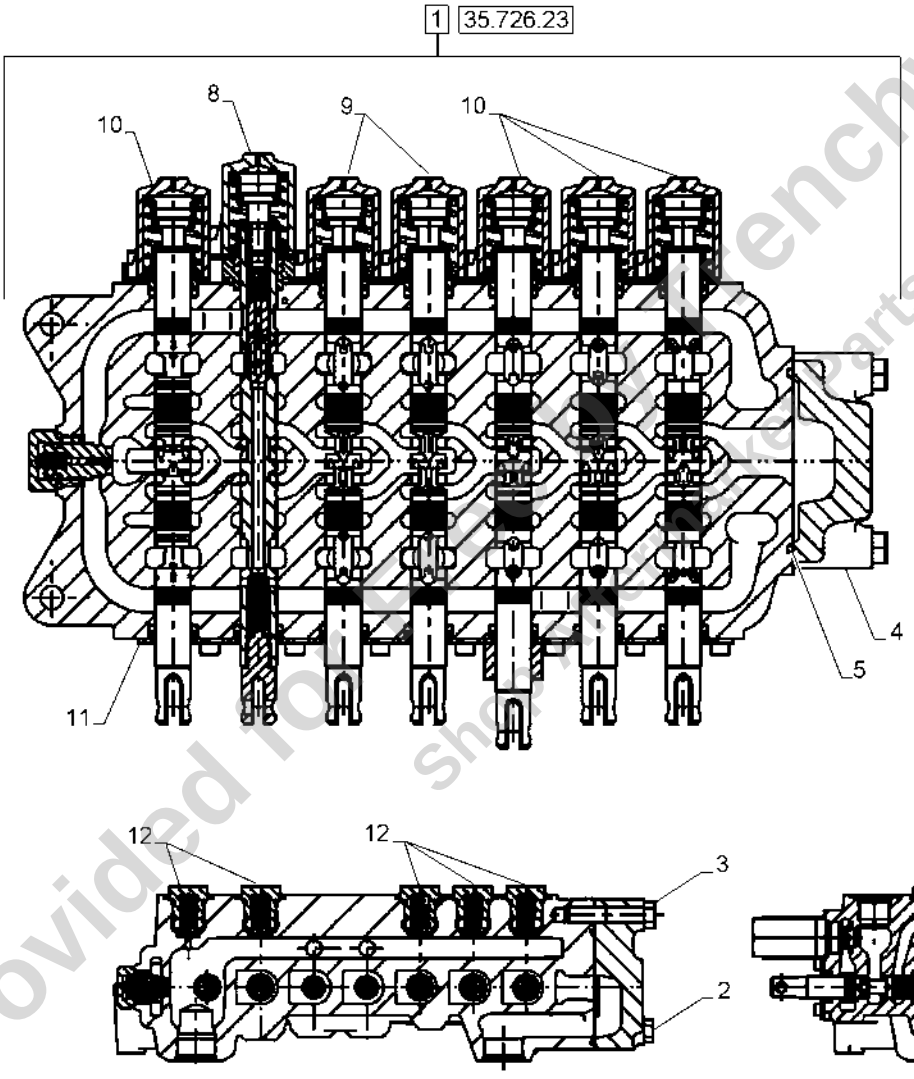
580N 580SN WT
590SN 580SN

http://www.minnparbackhoeparts.com/

35.726.17	02	p1	09/11

VALVE - BACKHOE CONTROL, 7 SPOOL (W/ EXT DIPPER, W/O AUX, W/O PILOT CONTROLS)





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VALVE - BACKHOE CONTROL, 7 SPOOL (W/ EXT DIPPER, W/O AUX, W/O PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84273243		1	VALVE, Hand Swing, Inc 2-14
1		84273238		1	VALVE, Foot Swing, Inc 2-15
		{}			SEAL KIT; See Fig. 35.726.26
2		87428491		2	SCREW
3		87428492		1	SCREW
4		87433030		1	HYD VALVE SECTION
5		87428495		1	O-RING
6		84296800		2	PRESSURE RELIEF VALVE
7		84296804		6	PRESSURE RELIEF VALVE
8		84296862		1	COVER
9		84296826		2	SERVICE KIT
10		84296859		4	KIT
11		84315193		7	SEAL
12		87426238		5	VALVE, CHECK
13		87428486		1	VALVE, CHECK
14		81868381		1	VALVE, CHECK
15		84296861		1	SERVICE KIT, (Not Shown)

580N 580SN WT
590SN 580SN

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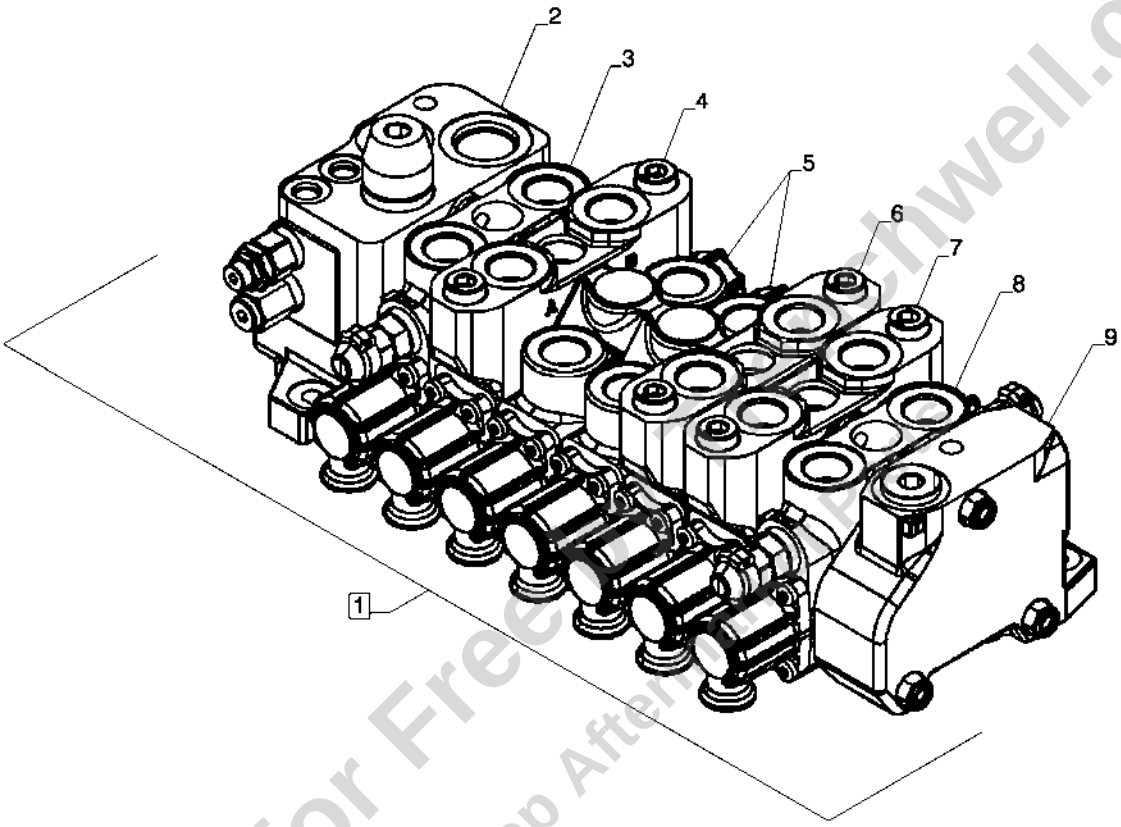
35.726.17	03	p1	10/11

VALVE - BACKHOE CONTROL, 7 SPOOL (W/O EXT DIPPER, W/ AUX HYDS, W/ PILOT CONTROLS)



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VALVE - BACKHOE CONTROL, 7 SPOOL (W/O EXT DIPPER, W/ AUX HYDS, W/ PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84214061		1	PILOT VALVE, 580N
1		84269981		1	PILOT VALVE, 580SN, 580SN WT,590SN
		{}			SEAL KIT; See Fig. 35.726.26
2		85811915		1	HYD VALVE SECTION
		84492790		1	SERVICE KIT, Dual Aux Pilot Std.; Incl. Ref. 3, 10; Also Incl. Fig. 35.150.15(02) Ref. 13, 14, 15
3		84278691		1	HYD VALVE SECTION
4		84278702		1	HYD VALVE SECTION
5		84278710		2	HYD VALVE SECTION
6		84157939		1	HYD VALVE SECTION
7		84278714		1	HYD VALVE SECTION
8		87751023		1	HYD VALVE SECTION
9		84355708		1	HYD VALVE SECTION, 580N
9		84278712		1	HYD VALVE SECTION, 580SN, 580SN WT,590SN
10		87751102		1	BOLT

580N 590SN
580SN WT 580SN

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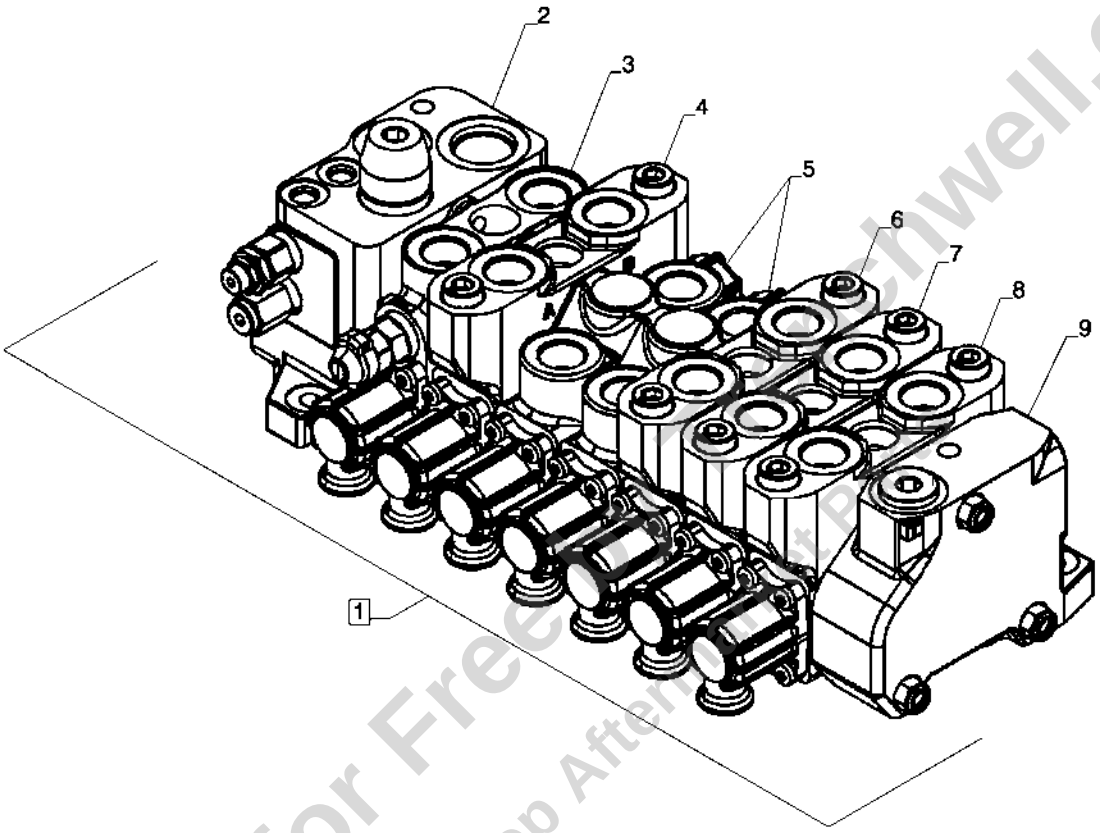
35.726.17	04	p1	09/11

VALVE - BACKHOE CONTROL, 7 SPOOL (W/ EXT DIPPER, W/O AUX, W/ PILOT CONTROLS)



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http://www.minnparbackhoeparts.com/

VALVE - BACKHOE CONTROL, 7 SPOOL (W/ EXT DIPPER, W/O AUX, W/ PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84214059		1	PILOT VALVE, 580N
1		84269982		1	PILOT VALVE, 580SN, 580SN WT, 590SN
		{}			SEAL KIT; See Fig. 35.726.26
2		84355708		1	HYD VALVE SECTION, 580N
2		84278712		1	HYD VALVE SECTION, 580SN, 580SN WT, 590SN
3		87751023		1	HYD VALVE SECTION
4		84278714		1	HYD VALVE SECTION
5		84157939		2	HYD VALVE SECTION
6		84278710		1	HYD VALVE SECTION
7		84278702		1	HYD VALVE SECTION
8		84278692		1	HYD VALVE SECTION
9		85811915		1	HYD VALVE SECTION
10		87751102		1	BOLT

580N 580SN WT
590SN 580SN

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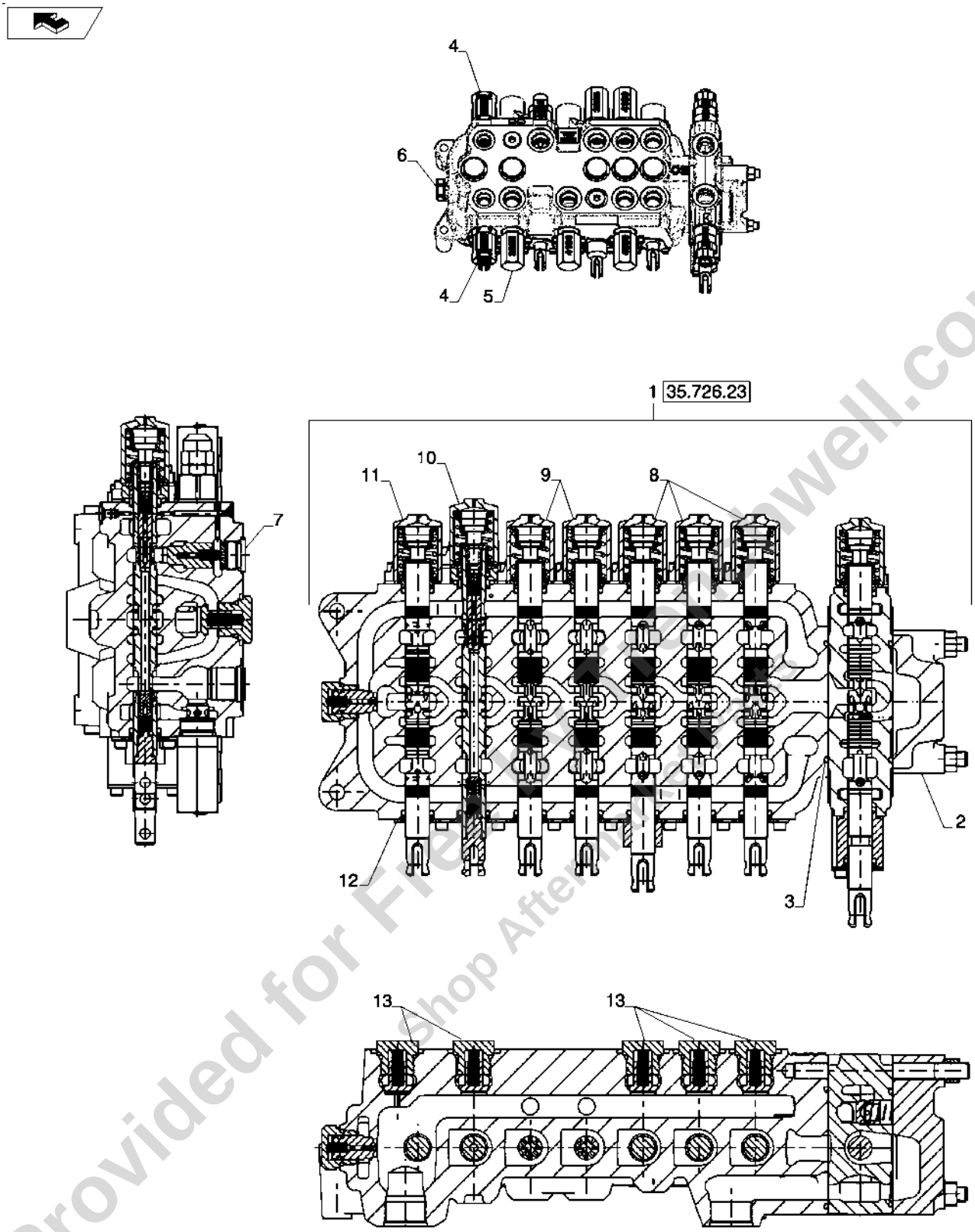
http://www.minnparbackhoeparts.com/

35.726.18	01	p1	09/11

VALVE - BACKHOE CONTROL, 8 SPOOL (W/O EXT DIPPER, W/O AUX HYDS, W/O PILOT CONTROLS)



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http://www.minnparbackhoeparts.com/

VALVE - BACKHOE CONTROL, 8 SPOOL (W/O EXT DIPPER, W/O AUX HYDS, W/O PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84273249		1	VALVE, Foot Swing
1		84218297		1	VALVE, Hand Swing
		{}			SEAL KIT; See Fig. 35.726.26
2		87433030		1	HYD VALVE SECTION
3		87428495		2	O-RING
4		84296800		2	PRESSURE RELIEF VALVE
5		84296804		6	PRESSURE RELIEF VALVE
6		81868381		1	VALVE, CHECK
7		87428486		1	VALVE, CHECK
8		84296859		3	KIT
9		84296826		2	SERVICE KIT
10		84296862		1	COVER
11		84296861		1	SERVICE KIT
12		84315193		7	SEAL
13		87426238		5	VALVE, CHECK
14		83981068		2	STOP PLUG, (Not Shown)
15		84276556		1	SERVICE KIT, (Not Shown)

580N 580SN WT
590SN 580SN

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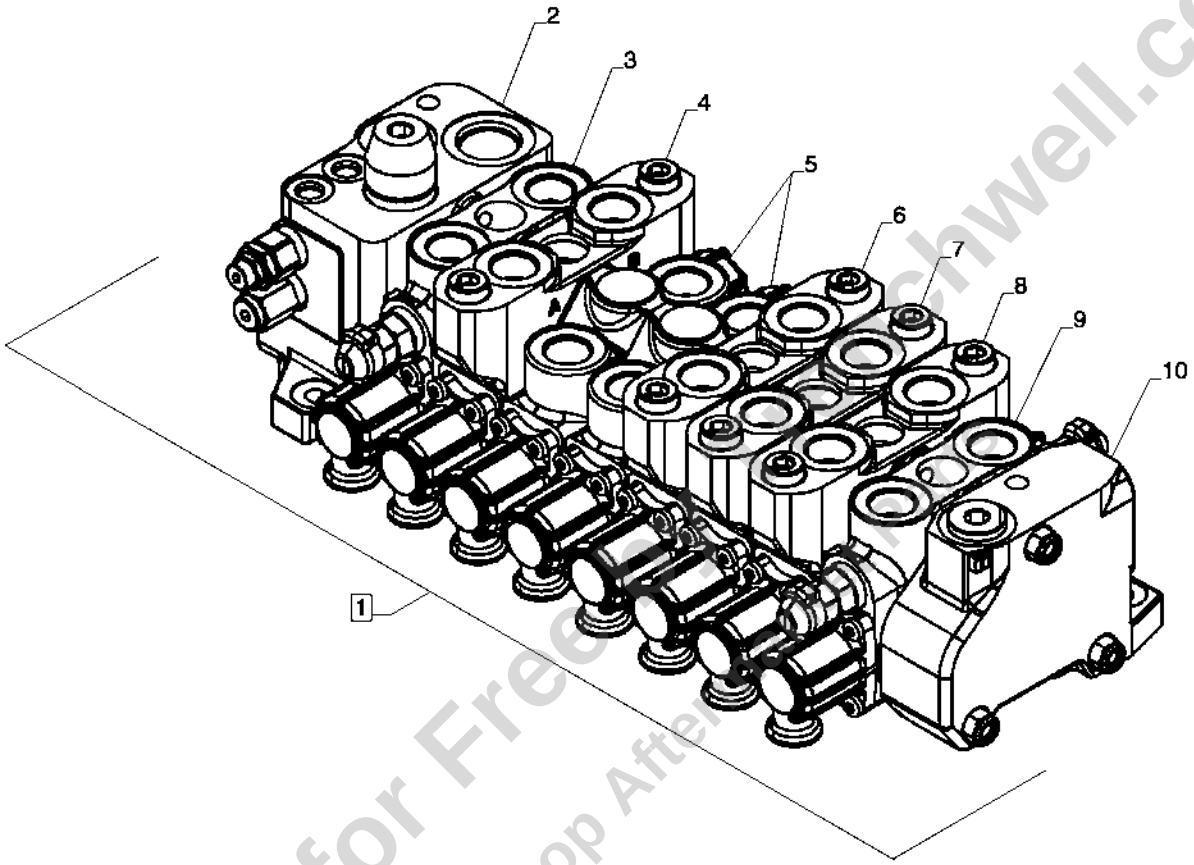
35.726.18	02	p1	09/11

VALVE - BACKHOE CONTROL, 8 SPOOL (W/O EXT DIPPER, W/ AUX HYDS, W/ PILOT CONTROLS)



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VALVE - BACKHOE CONTROL, 8 SPOOL (W/O EXT DIPPER, W/ AUX HYDS, W/ PILOT CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84214062		1	PILOT VALVE, 580N
1		84269980		1	PILOT VALVE, 580SN, 580SN WT, 590SN
		{}			SEAL KIT; See Fig. 35.726.26
2		84355708		1	HYD VALVE SECTION, 580N
2		84278712		1	HYD VALVE SECTION, 580SN, 580SN WT, 590SN
3		87751023		1	HYD VALVE SECTION
4		84278714		1	HYD VALVE SECTION
5		84157939		2	HYD VALVE SECTION
6		84278710		1	HYD VALVE SECTION
7		84278702		1	HYD VALVE SECTION
8		84278692		1	HYD VALVE SECTION
9		84278691		1	HYD VALVE SECTION
10		85811915		1	HYD VALVE SECTION
11		87447477		1	SET OF PARTS, Tie Bolt

580N 580SN WT
590SN 580SN

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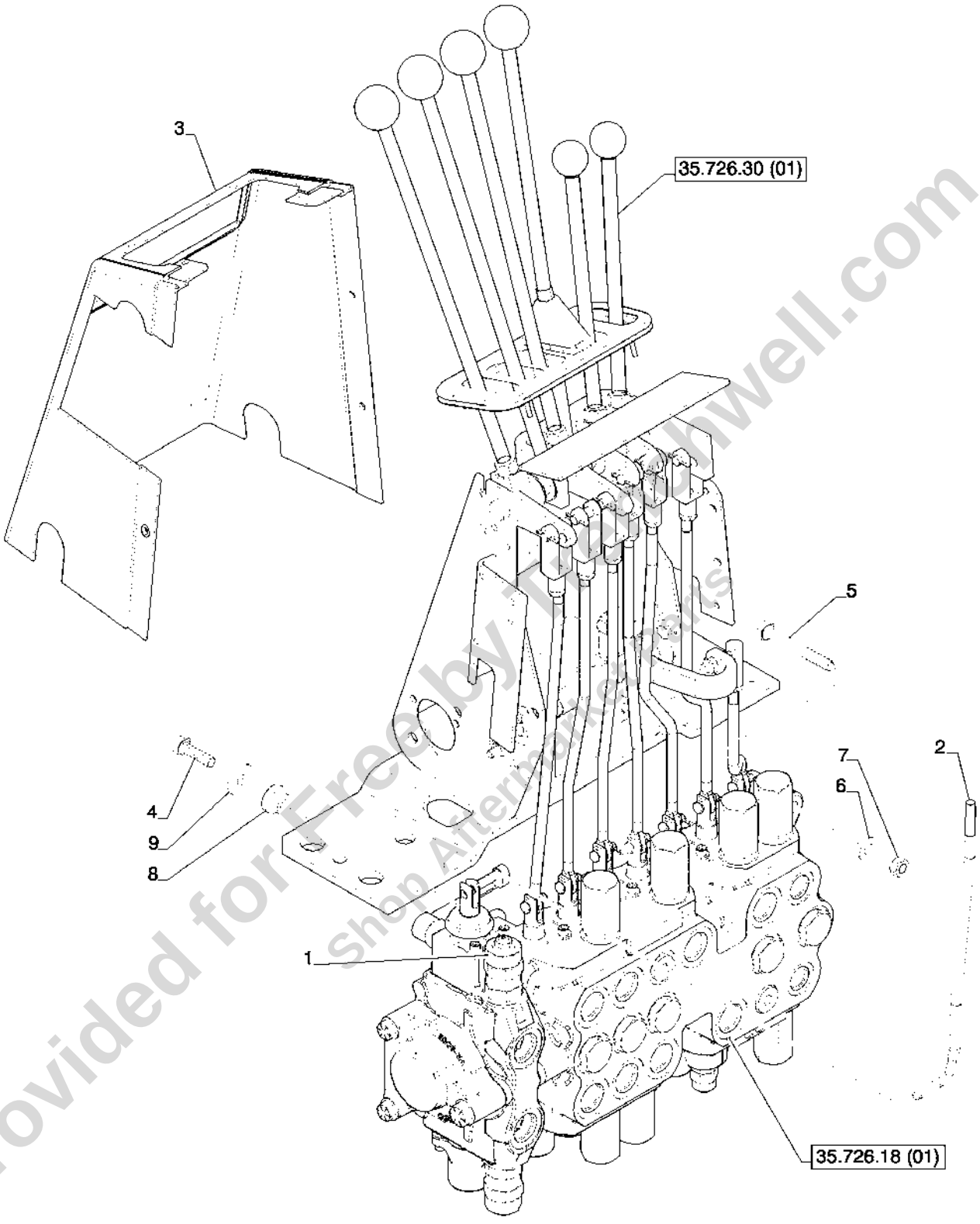
35.726.19	01	p1	08/11

VALVE INSTALL - BACKHOE CONTROL, 8 SPOOL (FOOT SWING)



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VALVE INSTALL - BACKHOE CONTROL, 8 SPOOL (FOOT SWING)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84268578		1	SOLENOID
2		84264007		1	ADJUSTMENT ROD
3		87411083		1	COVER
4		614-10035		1	BOLT, Hex, M10 x 35, 8.8, Full Thd
5		814-10080		2	BOLT, Hex, M10 x 80, 8.8
6		NS		2	NOT SERVICED
7		829-1410		2	NUT, M10, Cl 10
8		D52276		1	ISOLATOR
9		NS		2	NOT SERVICED

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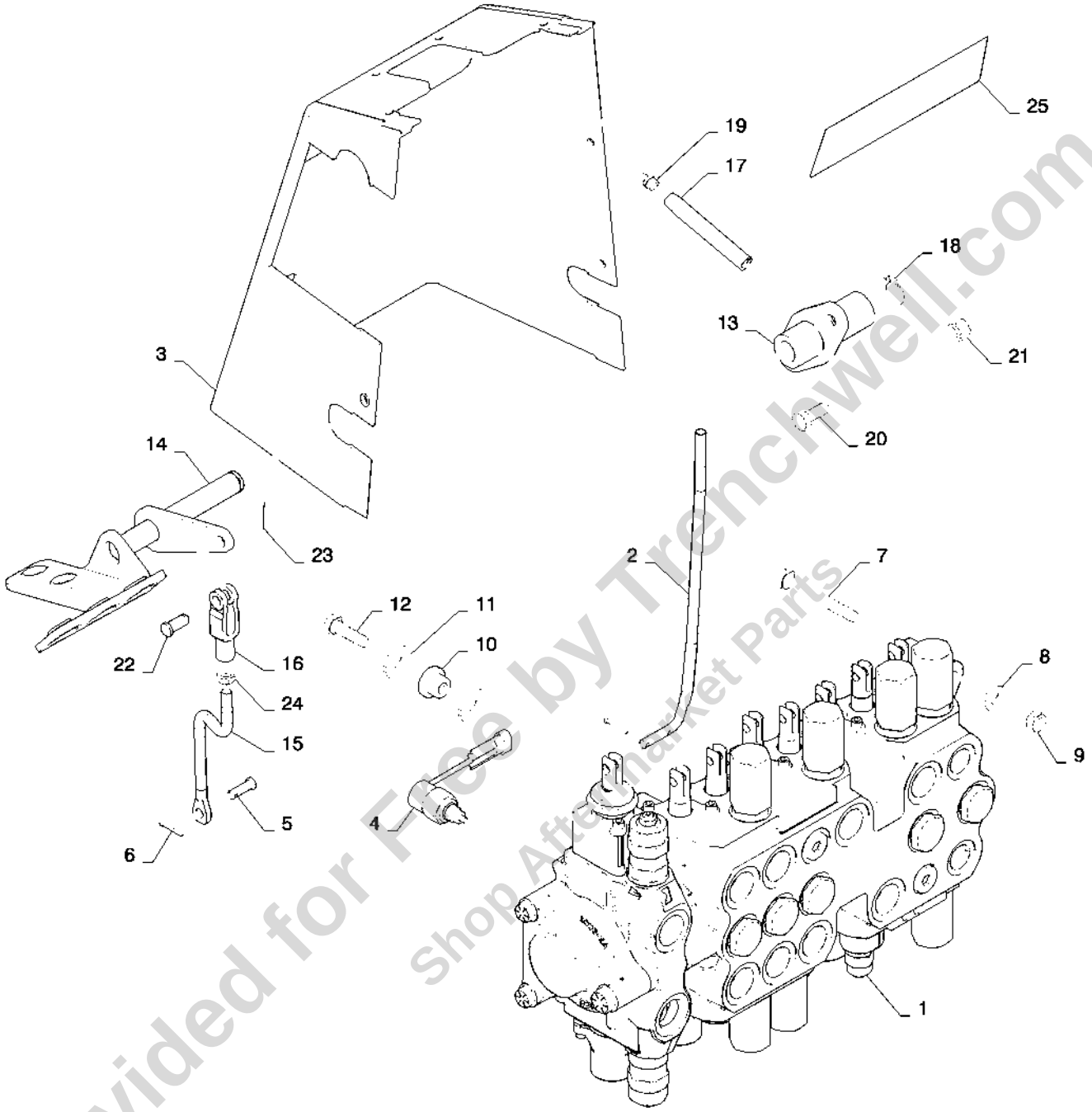
35.726.19	02	p1	08/11

VALVE INSTALL - BACKHOE CONTROL, 8 SPOOL (HAND SWING)



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VALVE INSTALL - BACKHOE CONTROL, 8 SPOOL (HAND SWING)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84273250		1	VALVE, Backhoe; 8 Spool; Hand Swing
2		84398269		1	ADJUSTMENT ROD, Auxiliary Hydraulic; 8 Spool
3		87411084		1	COVER, Front Backhoe Console; 2 Lever
4		84128131		1	SOLENOID, Spool Lock With Diode
5		D149287		7	PIN
6		432-612		7	COTTER PIN, 3/32" x 3/4"
7		814-10080		2	BOLT, Hex, M10 x 80, 8.8
8		87655046		2	SPECIAL WASHER
9		829-1410		2	NUT, M10, Cl 10
10		D52276		1	ISOLATOR
11		87687101		2	WASHER
12		614-10035		1	BOLT, Hex, M10 x 35, 8.8, Full Thd
13		126918A1		1	SUPPORT
14		179029A1		1	PEDAL
15		87440058		1	THREADED ROD
16		D134900		1	CLEVIS
17		D150032		1	TUBE
18		D143416		1	CIRCLIP
19		219-1		1	LUBE NIPPLE, 1/8"-27 x .66 lg
20		614-10025		2	BOLT, Hex, M10 x 25, 8.8, Full Thd
21		832-10410		2	LOCK NUT, M10 x 1.5, Cl 8
22		427-6088		1	CLEVIS PIN, 3/8" x 3/4"
23		432-612		1	COTTER PIN, 3/32" x 3/4"
24		425-156		1	NUT, Jam, 3/8"-24, G5
25		D149827		1	IMPORTANT DECAL, Caution: Operate Backhoe From Seat Position Only

580SN WT 580SN
590SN 580N

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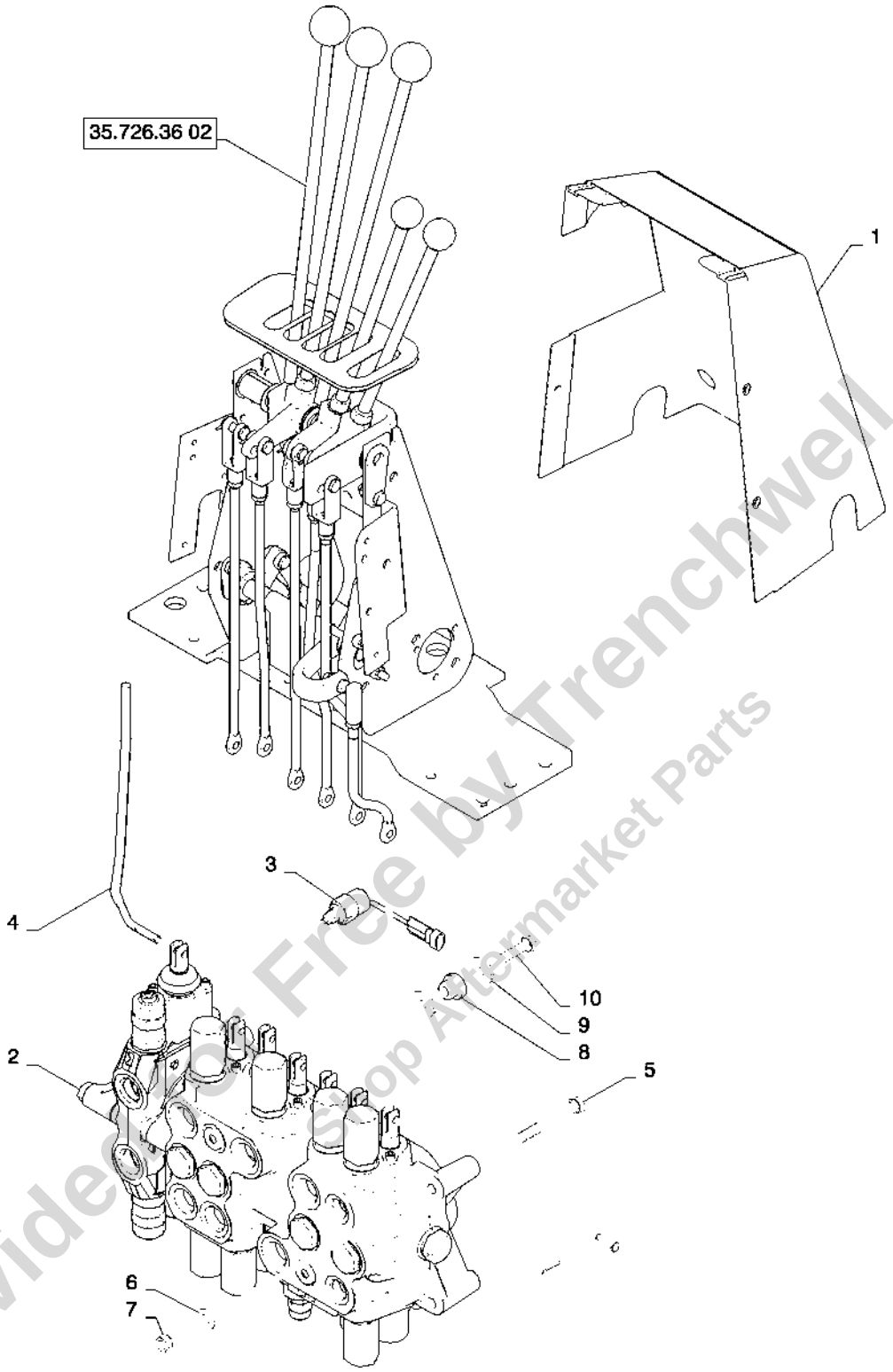
35.726.19	03	p1	08/11

VALVE INSTALL - BACKHOE CONTROL, 7 SPOOL (FOOT SWING)



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VALVE INSTALL - BACKHOE CONTROL, 7 SPOOL (FOOT SWING)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87411083		1	COVER, Front Backhoe Console; 3 Lever; With Auxiliary Hydraulics
2		84273245		1	VALVE, 7 Spool; Auxiliary; Foot Swing
3		84128131		1	SOLENOID, Spool Lock With Diode
4		84398267		1	ADJUSTMENT ROD, Auxiliary Hydraulic; 7 Spool
5		814-10080		2	BOLT, Hex, M10 x 80, 8.8
6		87655046		2	SPECIAL WASHER
7		829-1410		2	NUT, M10, Cl 10
8		D52276		1	ISOLATOR
9		87687101		2	WASHER
10		614-10035		1	BOLT, Hex, M10 x 35, 8.8, Full Thd

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580SN WT 580SN
590SN 580N

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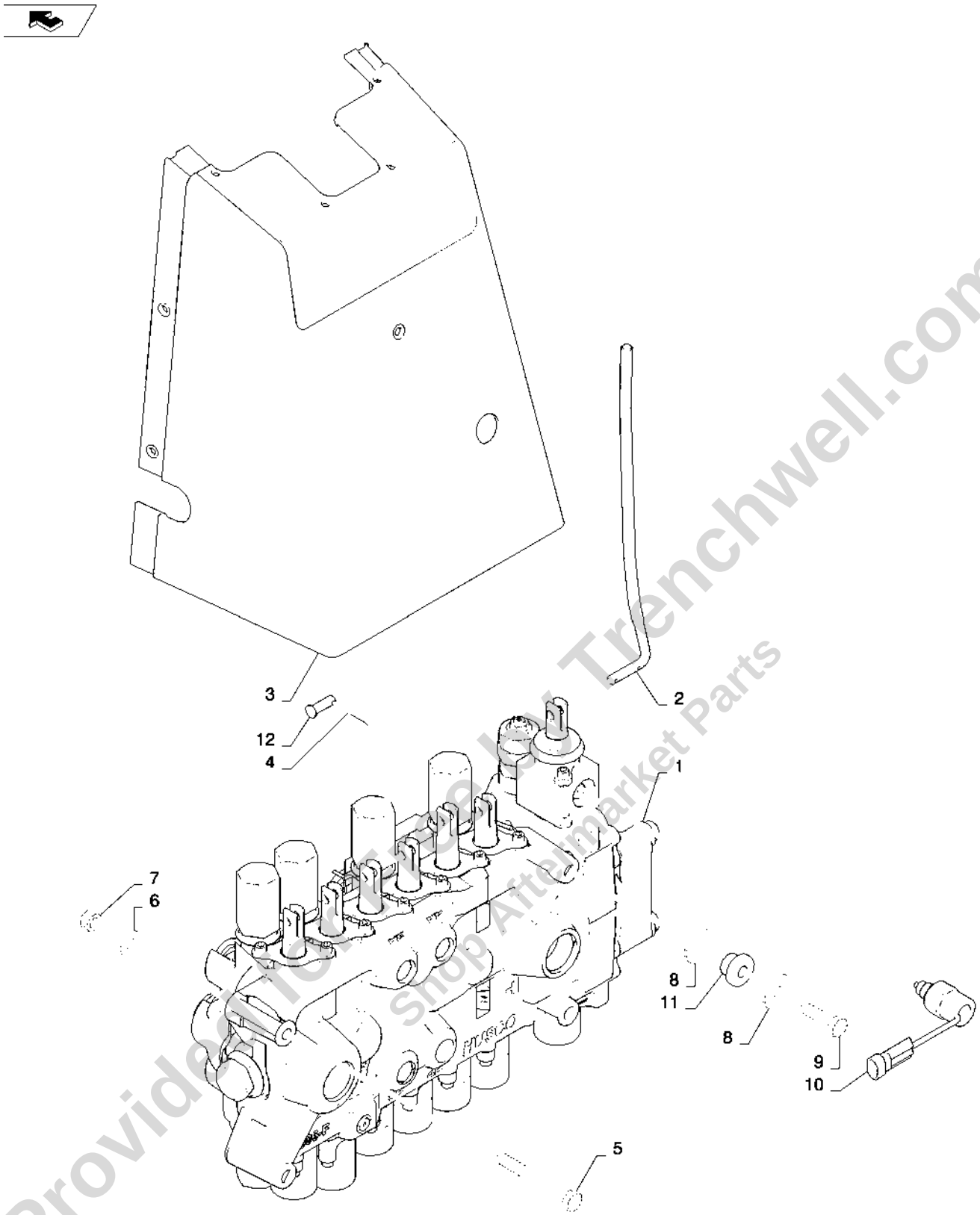
35.726.19	04	p1	08/11

VALVE INSTALL - BACKHOE CONTROL, 7 SPOOL (HAND SWING)



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VALVE INSTALL - BACKHOE CONTROL, 7 SPOOL (HAND SWING)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84273247		1	VALVE, Backhoe; 7 Spool; Hand Swing
2		84398267		1	ADJUSTMENT ROD, Auxiliary Hydraulic; 7 Spool
3		87411084		1	COVER, Front Backhoe Console; 2 Lever
4		432-612		6	COTTER PIN, 3/32" x 3/4"
5		814-10080		2	BOLT, Hex, M10 x 80, 8.8
6		87655046		2	SPECIAL WASHER
7		829-1410		2	NUT, M10, Cl 10
8		87687101		2	WASHER
9		614-10035		1	BOLT, Hex, M10 x 35, 8.8, Full Thd
10		84128131		1	SOLENOID, Spool Lock With Diode
11		D52276		1	ISOLATOR
12		D149287		6	PIN

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580SN WT 580SN
590SN 580N

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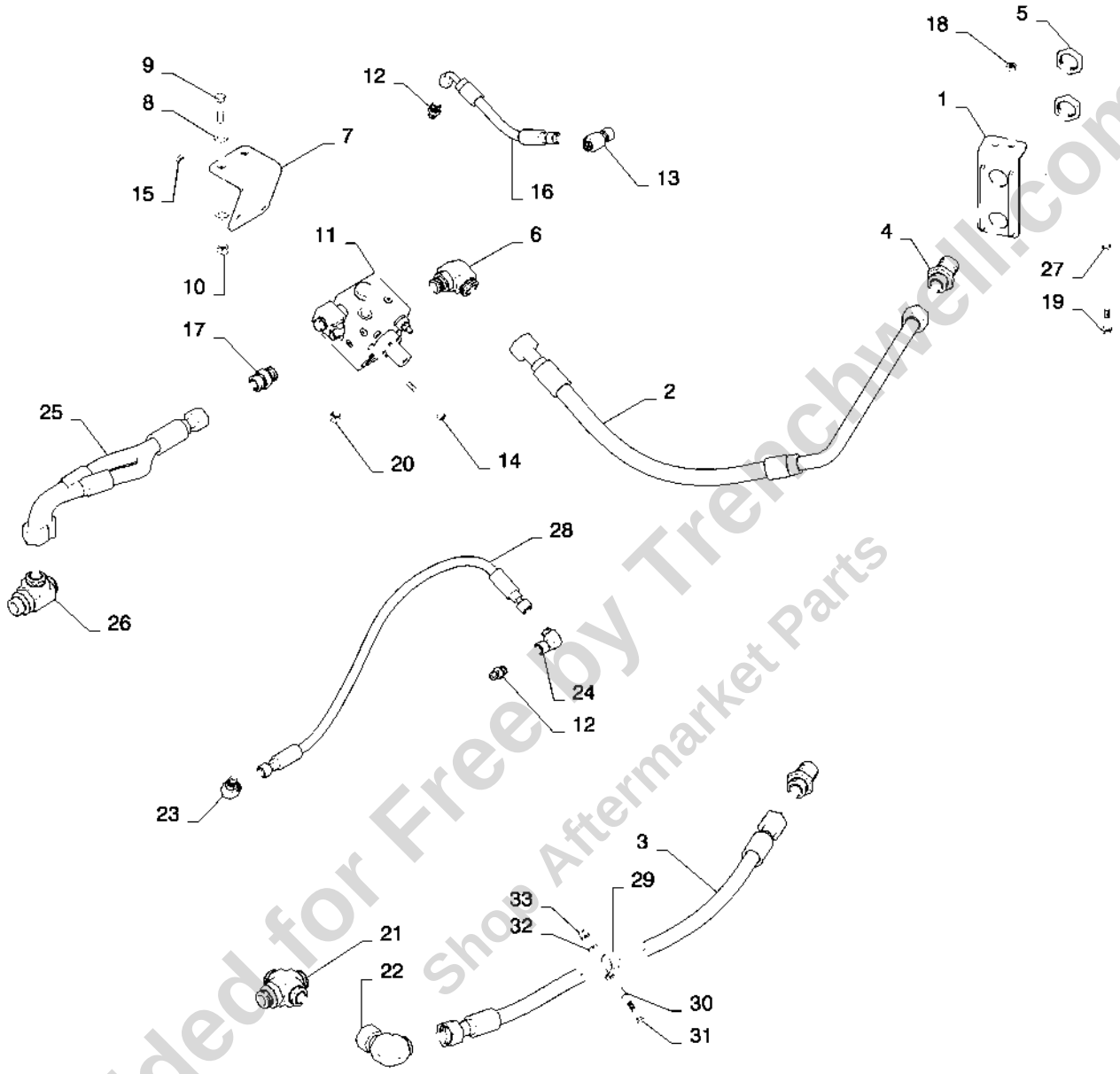
35.726.20	01	p1	11/11

VALVE INSTALL - BACKHOE CONTROL, UNI AUX PILOT, GEAR PUMP ONLY (580N)



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VALVE INSTALL - BACKHOE CONTROL, UNI AUX PILOT, GEAR PUMP ONLY (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84407250		1	BRACKET, SUPPORTING
2		84407248		1	HYD. TUBE
3		84407245		1	HYD. TUBE
4		86639060		2	UNION, 1 7/16"-12 ORFS, Blkd
5		86639084		2	TUBE NUT, 1 7/16"-12, ORFS Blkhd
6		9846956		1	ELBOW, 90º, 1 7/16"-12 x 1 1/16"-12, Adj, ORFS
7		84257782		1	BRACKET
8		87655043		4	SPECIAL WASHER
9		9706702		2	BOLT, Hex, M12 x 50, 8.8
10		337475		2	NUT, M12, Cl 10
11		84247110		1	VALVE
12		9993143		2	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
13		84989848		1	HYD CONNECTOR
14		1960667		2	SCREW, Hex Soc Hd, M8 x 90, 8.8
15		43362		2	NUT, Hex, M8, Cl 10, ZND
16		84259315		1	HOSE ASSY.
17		9840535		1	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
18		86500689		2	NUT, M10, Cl 10
19		86508618		2	BOLT, Hex, M10 x 45, 10.9
20		76349		1	PLUG, Hex Hd, 9/16"-18 ORB
21		84259313		1	FITTING
22		84989413		1	ELBOW, 90º, 1 7/16"-12 ORFS x 1 7/16"-12 Fem Sw
23		9840543		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
24		84989392		1	ELBOW, 90º, 11/16"-16 ORFS x 11/16"-16 Fem Sw
25		84389775		1	HOSE ASSY.
26		201-407		1	TEE, 1 7/16"-12 x 1 5/16"-12 Run, ORFS
27		3416158		2	O-RING, 0.301" ID x 0.07" Width
28		84419702		1	HOSE ASSY.
29		86637996		1	CLAMP, 1 1/8", Insul, 3/8" Bolt
30		120303A1		1	SPACER
31		814-8040		1	BOLT, Hex, M8 x 40, 8.8
32		87655042		1	SPECIAL WASHER
33		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8

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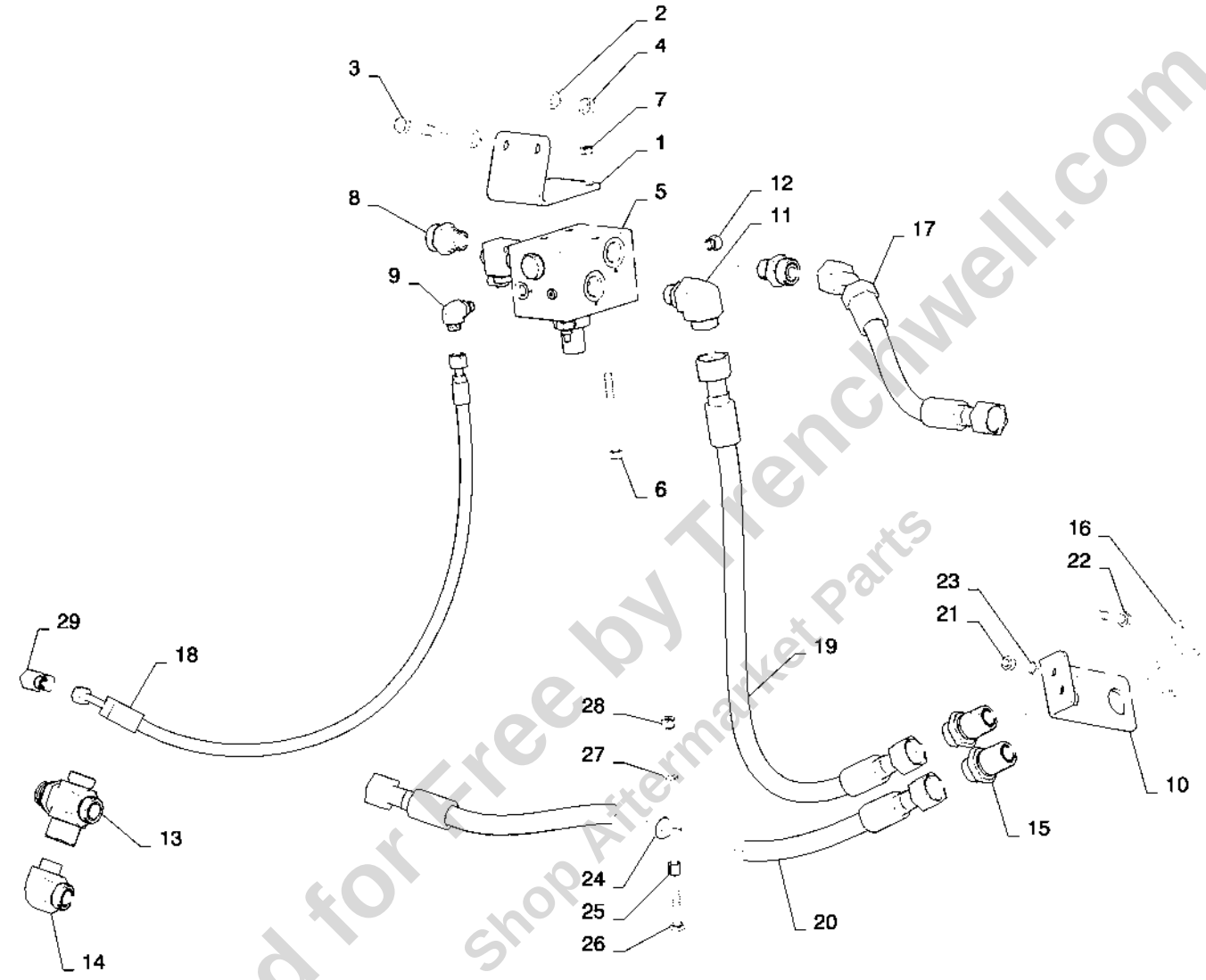
35.726.20	02	p1	11/11

VALVE INSTALL - BACKHOE CONTROL, SINGLE AUX (MECHANICAL CONTROLS)



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VALVE INSTALL - BACKHOE CONTROL, SINGLE AUX (MECHANICAL CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84257782		1	BRACKET, Backhoe Auxiliary Valve Mounting
2		87655043		4	SPECIAL WASHER
3		9706702		2	BOLT, Hex, M12 x 50, 8.8
4		337475		2	NUT, M12, Cl 10
5		84247109		1	VALVE, Open Center Single Aux
6		1960667		2	SCREW, Hex Soc Hd, M8 x 90, 8.8
7		43362		2	NUT, Hex, M8, Cl 10, ZND
8		87303844		2	HYD CONNECTOR, 1 7/16"-12 ORFS x 1 1/16"-12 ORB
9		9840543		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
10		84407250		1	BRACKET, SUPPORTING, Bulkhead
11		9846956		1	ELBOW, 90º, 1 7/16"-12 x 1 1/16"-12, Adj, ORFS
12		76349		1	PLUG, Hex Hd, 9/16"-18 ORB
13		84259313		1	FITTING
14		84989413		1	ELBOW, 90º, 1 7/16"-12 ORFS x 1 7/16"-12 Fem Sw
15		86639060		2	UNION, 1 7/16"-12 ORFS, Blkd
16		86639084		2	TUBE NUT, 1 7/16"-12, ORFS Blkhd
17		84283270		1	HOSE ASSY., Aux Valve to Backhoe Valve
18		84514723		1	HOSE ASSY., Aux Valve to Filter
19		84407246		1	HYD. TUBE
20		84407245		1	HYD. TUBE, Return
21		86500689		2	NUT, M10, Cl 10
22		86508618		2	BOLT, Hex, M10 x 45, 10.9
23		3416158		2	O-RING, 0.301" ID x 0.07" Width
24		86637996		1	CLAMP, 1 1/8", Insul, 3/8" Bolt
25		120303A1		1	SPACER
26		814-8040		1	BOLT, Hex, M8 x 40, 8.8
27		87655042		1	SPECIAL WASHER
28		832-10408		1	LOCK NUT, M8 x 1.25, Cl 8
29		84989392		1	ELBOW, 90º, 11/16"-16 ORFS x 11/16"-16 Fem Sw

580SN WT 580SN
590SN 580N

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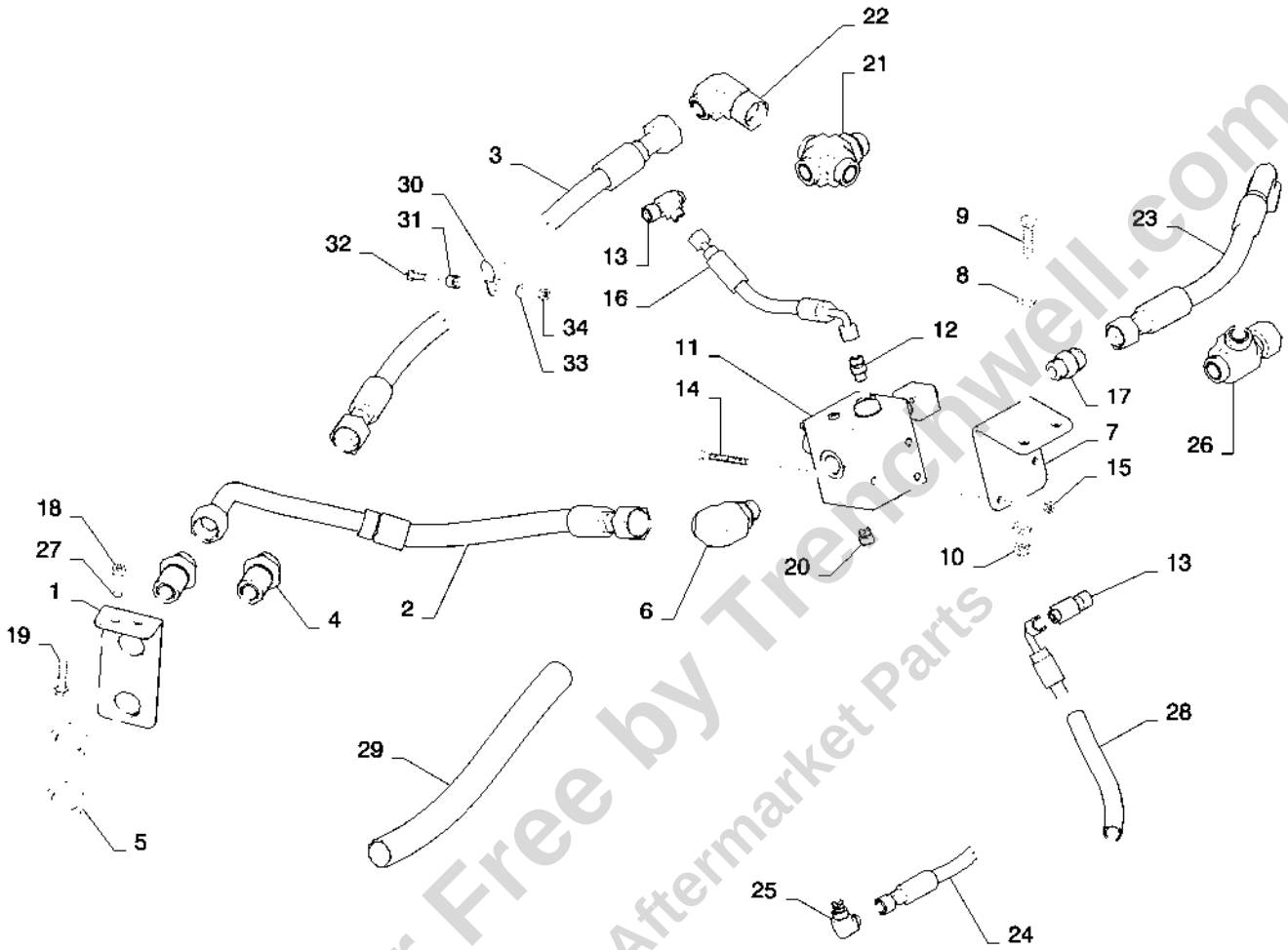
35.726.21	01	p1	10/11

VALVE INSTALL - BACKHOE CONTROL, SINGLE AUX (PILOT CONTROLS) VARIABLE VALVE PUMP (580SN, 580SN WT, 590SN)



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VALVE INSTALL - BACKHOE CONTROL, SINGLE AUX (PILOT CONTROLS) VARIABLE VALVE PUMP (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84407250		1	BRACKET, SUPPORTING
2		84407248		1	HYD. TUBE
3		84407245		1	HYD. TUBE
4		86639060		2	UNION, 1 7/16"-12 ORFS, Blkd
		9824050		2	O-RING, 0.926" ID x 1.066" OD x 0.07"
5		86639084		2	TUBE NUT, 1 7/16"-12, ORFS Blkhd
6		9846956		1	ELBOW, 90º, 1 7/16"-12 x 1 1/16"-12, Adj, ORFS
		9824050		1	O-RING, 0.926" ID x 1.066" OD x 0.07"
		167266		1	O-RING, 0.924" ID x 0.116" Width
7		84257782		1	BRACKET
8		87655043		4	SPECIAL WASHER
9		9706702		2	BOLT, Hex, M12 x 50, 8.8
10		337475		2	NUT, M12, Cl 10
11		84247110		1	VALVE
12		9993143		1	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
		9993141		1	O-RING, 0.364" ID x 0.504" OD x 0.07"
		9617873		1	O-RING, 0.468" ID x 0.078" Width
13		84989848		2	HYD CONNECTOR
		9993141		2	O-RING, 0.364" ID x 0.504" OD x 0.07"
14		1960667		2	SCREW, Hex Soc Hd, M8 x 90, 8.8
15		43362		2	NUT, Hex, M8, Cl 10, ZND
16		84259315		1	HOSE ASSY.
17		9840535		1	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
		9991976		1	O-RING, 0.739" ID x 0.879" OD x 0.07"
		167266		1	O-RING, 0.924" ID x 0.116" Width
18		86500689		2	NUT, M10, Cl 10
19		86508618		2	BOLT, Hex, M10 x 45, 10.9
20		76349		1	PLUG, Hex Hd, 9/16"-18 ORB
21		84259313		1	FITTING
		9824050		3	O-RING, 0.926" ID x 1.066" OD x 0.07"
		167266		1	O-RING, 0.924" ID x 0.116" Width
22		84989413		1	ELBOW, 90º, 1 7/16"-12 ORFS x 1 7/16"-12 Fem Sw
		9824050		1	O-RING, 0.926" ID x 1.066" OD x 0.07"
23		84275042		1	HOSE ASSY.

580SN WT 580SN
590SN

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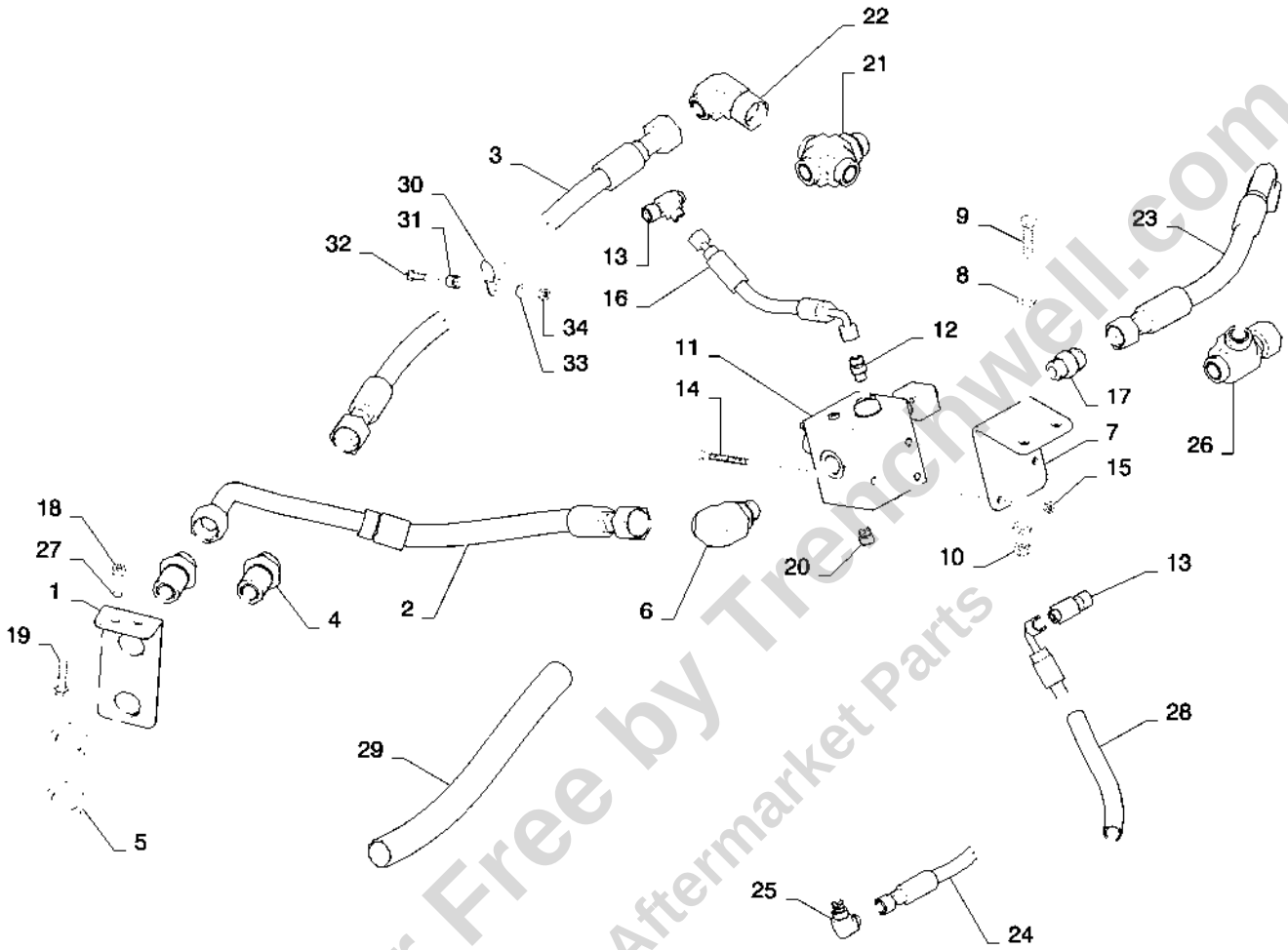
35.726.21	01	p2	10/11

VALVE INSTALL - BACKHOE CONTROL, SINGLE AUX (PILOT CONTROLS) VARIABLE VALVE PUMP (580SN, 580SN WT, 590SN)



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VALVE INSTALL - BACKHOE CONTROL, SINGLE AUX (PILOT CONTROLS) VARIABLE VALVE PUMP (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
24		84262417		1	HOSE ASSY., 580SN Prior To P.I.N. NBC543163, 580SN WT Prior To P.I.N. NBC545276, 590SN Prior To P.I.N. NBC546294
24		84523981		1	HYDRAULIC HOSE, HYDRAULIC HOSE; 580SN P.I.N. NBC543163 And After, 580SN WT P.I.N. NBC545276 And After, 590SN P.I.N. NBC546294 And After
25		9840543		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
		9993141		1	O-RING, 0.364" ID x 0.504" OD x 0.07"
		9617873		1	O-RING, 0.468" ID x 0.078" Width
26		86641295		1	TEE, 1 7/16"-12 ORFS to Swivel, If Equipped
		9824050		2	O-RING, 0.926" ID x 1.066" OD x 0.07"
27		3416158		2	O-RING, 0.301" ID x 0.07" Width
28		143219A1		1	HOSE PROTECTION
29		87656501		1	HOSE PROTECTION, 340.00 mm ID x 540.00 mm, 580SN Prior To P.I.N. NBC543163, 580SN WT Prior To P.I.N. NBC545276, 590SN Prior To P.I.N. NBC546294
30		86637996		1	CLAMP, 1 1/8", Insul, 3/8" Bolt
31		120303A1		1	SPACER
32		814-8040		1	BOLT, Hex, M8 x 40, 8.8
33		87655042		1	SPECIAL WASHER
34		832-10408		1	LOCK NUT, M8 x 1.25, Cl 8

580SN WT 580SN 590SN

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35.726.21	02	p1	10/11

BRACKET - VARIABLE VALVE PUMP PRESSURE HOSES (580SN)

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http://www.minnparbackhoeparts.com/

BRACKET - VARIABLE VALVE PUMP PRESSURE HOSES (580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87655043		4	SPECIAL WASHER
2		84523985		1	BRACKET, Loader PB Tube Mounting
3		87022323		1	CLAMP
4		412087		2	BOLT, Hex, M12 x 45, 10.9, Full Thd
5		1541537C1		1	PLATE
6		87655041		2	SPECIAL WASHER
7		832-10406		2	NUT, M6 x 1, Cl 8
8		10903721		2	BOLT, Hex, M6 x 1 x 55.00mm, Cl 8.8, ZND

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35.726.21	03	p1	10/11

BRACKET - VARIABLE VALVE PUMP PRESSURE HOSES (580SN WT, 590SN)

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BRACKET - VARIABLE VALVE PUMP PRESSURE HOSES (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84523986		1	BRACKET, Loader PB Tube Mounting
2		87655043		4	SPECIAL WASHER
3		87022323		1	CLAMP
4		412087		2	BOLT, Hex, M12 x 45, 10.9, Full Thd
5		1541537C1		1	PLATE
6		87655041		2	SPECIAL WASHER
7		832-10406		2	NUT, M6 x 1, Cl 8
8		10903721		2	BOLT, Hex, M6 x 1 x 55.00mm, Cl 8.8, ZND

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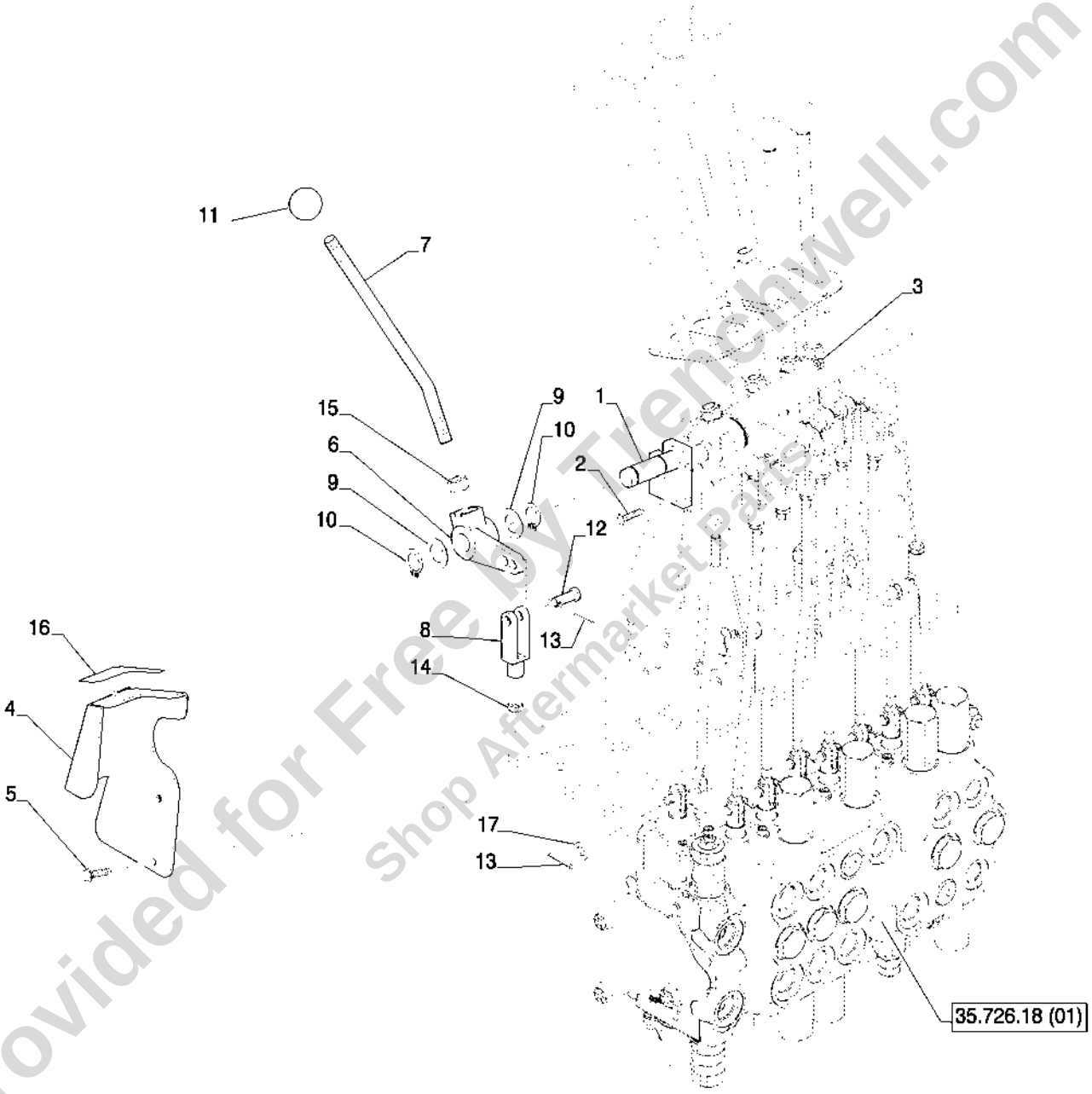
580SN WT
590SN

http://www.minnparbackhoeparts.com/

35.726.22	01	p1	07/11

VALVE INSTALL - BACKHOE CONTROL, BI-AUXILIARY (MECHANICAL CONTROLS)



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VALVE INSTALL - BACKHOE CONTROL, BI-AUXILIARY (MECHANICAL CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87425117		1	PIVOT
2		614-6025		2	BOLT, Hex, M6 x 25, 8.8, Full Thd
3		829-1406		2	NUT, M6, Cl 10
4		87425122		1	BRACKET
5		281-14716		2	SELF-TAP SCREW, Hex Wash Hd, 1/4" x 1"
6		182006A1		1	LEVER
7		221477A1		1	THREADED ROD
8		213-126		1	ADJUSTABLE CLEVIS, 3/8"-24 x 2 1/2"
9		A30881		2	BEARING WASHER, 49" ID x 40558" OD
10		103-1475		2	SNAP RING, #75, Ext
11		D59912		1	KNOB
12		D149288		1	PIN
13		432-612		3	COTTER PIN, 3/32" x 3/4"
14		425-156		1	NUT, Jam, 3/8"-24, G5
15		425-118		1	NUT, 1/2"-20, G5
16		87430677		1	DECAL
17		895-11008		2	WASHER, M8 x 16 x 1.6

580N 580SN WT
590SN 580SN

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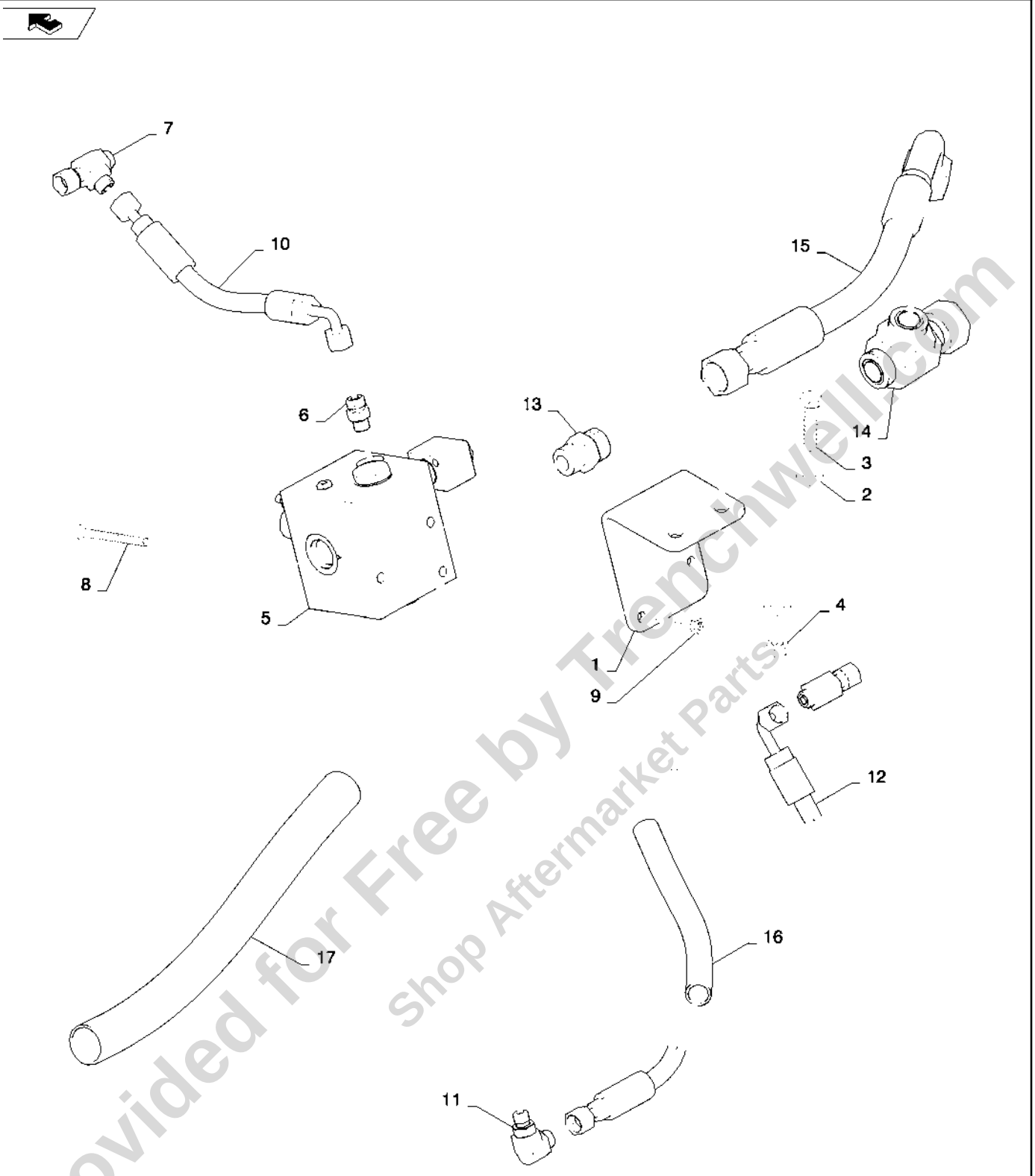
35.726.22	02	p1	10/11

VALVE INSTALL - HAMMER (PILOT CONTROLS) (580SN, 580SN WT, 590SN)



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VALVE INSTALL - HAMMER (PILOT CONTROLS) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84257782		1	BRACKET
2		87655043		4	SPECIAL WASHER
3		9706702		2	BOLT, Hex, M12 x 50, 8.8
4		337475		2	NUT, M12, Cl 10
5		84247110		1	VALVE
6		9993143		1	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
		9993141		1	O-RING, 0.364" ID x 0.504" OD x 0.07"
		9617873		1	O-RING, 0.468" ID x 0.078" Width
7		84989848		2	HYD CONNECTOR
		9993141		2	O-RING, 0.364" ID x 0.504" OD x 0.07"
8		1960667		2	SCREW, Hex Soc Hd, M8 x 90, 8.8
9		43362		2	NUT, Hex, M8, Cl 10, ZND
10		84259315		1	HOSE ASSY.
11		9840543		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
		9993141		1	O-RING, 0.364" ID x 0.504" OD x 0.07"
		9617873		1	O-RING, 0.468" ID x 0.078" Width
12		84262417		1	HOSE ASSY., 580SN Prior To P.I.N. NBC543163, 580SN WT Prior To P.I.N. NBC545276, 590SN Prior To P.I.N. NBC546294
12		84523981		1	HYDRAULIC HOSE, HYDRAULIC HOSE; 580SN P.I.N. NBC543163 And After, 580SN WT P.I.N. NBC545276 And After, 590SN P.I.N. NBC546294 And After
13		9840535		1	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
		9991976		1	O-RING, 0.739" ID x 0.879" OD x 0.07"
		167266		1	O-RING, 0.924" ID x 0.116" Width
14		86641295		1	TEE, 1 7/16"-12 ORFS to Swivel, If Equipped
		9824050		2	O-RING, 0.926" ID x 1.066" OD x 0.07"
15		84275042		1	HOSE ASSY.
16		143219A1		1	HOSE PROTECTION
17		87656501		1	HOSE PROTECTION, 340.00 mm ID x 540.00 mm, 580SN Prior To P.I.N. NBC543163, 580SN WT Prior To P.I.N. NBC545276, 590SN Prior To P.I.N. NBC546294

580SN WT 580SN 590SN

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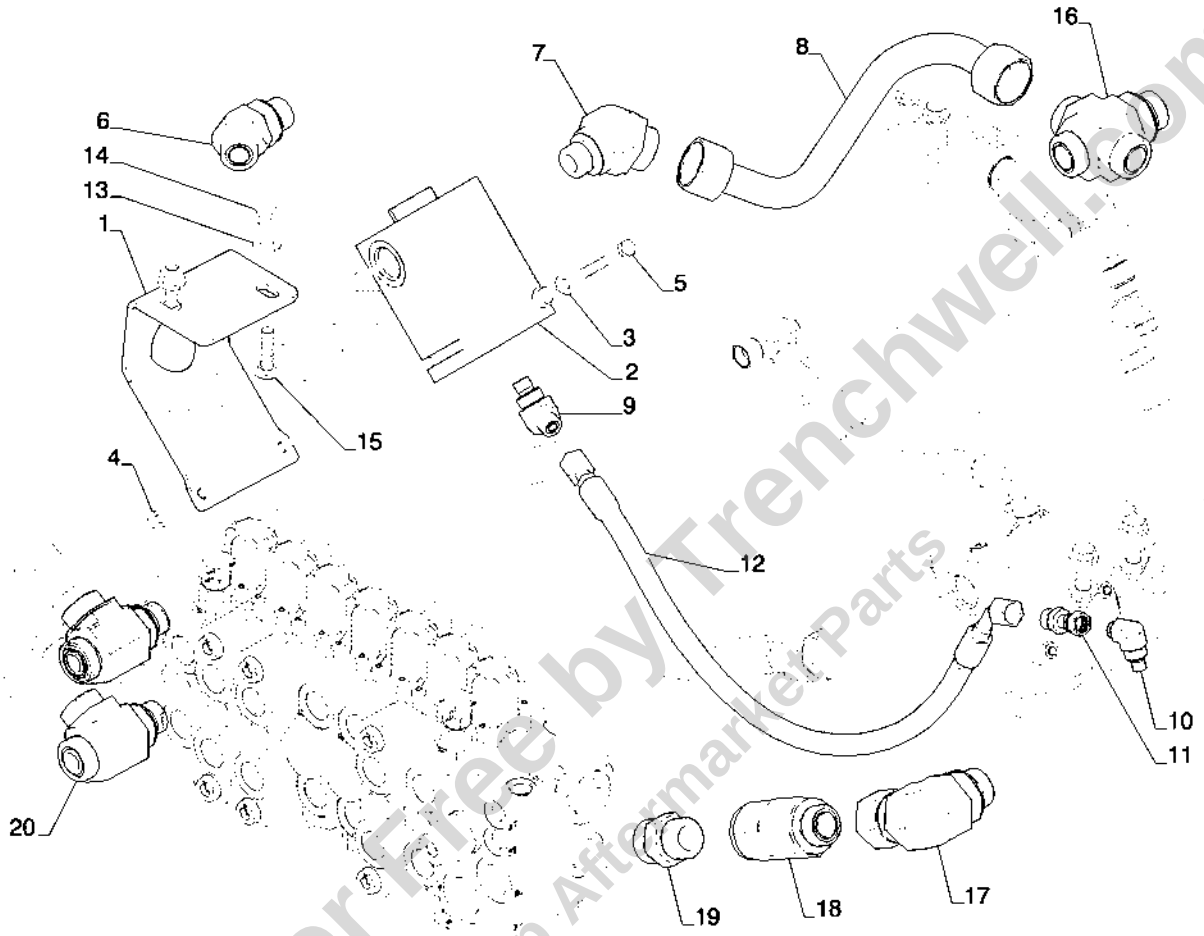
35.726.23		p1	10/11

VALVE INSTALL - BACKHOE CONTROL, DUAL AUXILIARY (PILOT CONTROLS) VARIABLE VALVE PUMP (580SN, 580SN WT, 590SN)



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VALVE INSTALL - BACKHOE CONTROL, DUAL AUXILIARY (PILOT CONTROLS) VARIABLE VALVE PUMP (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84259186		1	BRACKET
2		84247108		1	CHECK VALVE
3		87655042		2	SPECIAL WASHER
4		9706690		2	NUT, Hex, M8, 1.25mm Pitch, 6.80mm High, Cl 8, ZND
5		120062		2	BOLT, Hex, M8 x 70, 8.8
6		201-317		1	ELBOW, 45º, 1 3/16"-12 x 1 1/16"-12. Adj, ORFS
7		87302733		1	HYD CONNECTOR
8		84354910		1	HYD. TUBE, 580SN Prior To P.I.N. NBC543163, 580SN WT Prior To P.I.N. NBC545276, 590SN Prior To P.I.N. NBC546294
8		84524281		1	HYD. TUBE, HYD. TUBE; 580SN P.I.N. NBC543163 And After, 580SN WT P.I.N. NBC545276 And After, 590SN P.I.N. NBC546294 And After
9		201-315		1	ELBOW, 45º, 11/16"-16 x 9/16"-18. Adj, ORFS
10		84394685		1	ELBOW
11		84395081		1	ADAPTER
12		84258749		1	HOSE ASSY.
13		87655046		2	SPECIAL WASHER
14		100016		2	NUT, M10, Cl 8
15		374892		2	SCREW, Short NK, M10 x 40, Cl8.8, Full Thd
16		84259313		1	FITTING
17		84262694		1	90 ELBOW
18		84256601		1	CHECK VALVE
19		9824055		1	HYD CONNECTOR
20		87493307		2	RUN TEE

580SN WT 580SN 590SN

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35.726.24		p1	06/11

VALVE INSTALL - BACKHOE CONTROL, DUAL AUXILIARY (MECHANICAL CONTROLS)

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VALVE INSTALL - BACKHOE CONTROL, DUAL AUXILIARY (MECHANICAL CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84259186		1	BRACKET
2		84247108		1	CHECK VALVE
3		87655042		2	SPECIAL WASHER
4		9706690		2	NUT, Hex, M8, 1.25mm Pitch, 6.80mm High, Cl 8, ZND
5		120062		2	BOLT, Hex, M8 x 70, 8.8
6		201-317		1	ELBOW, 45º, 1 3/16"-12 x 1 1/16"-12. Adj, ORFS
7		87302733		1	HYD CONNECTOR
8		201-315		1	ELBOW, 45º, 11/16"-16 x 9/16"-18. Adj, ORFS
9		84354910		1	HYD. TUBE
10		84258749		1	HOSE ASSY.
11		87655046		22	SPECIAL WASHER
12		100016		2	NUT, M10, Cl 8
13		374892		2	SCREW, Short NK, M10 x 40, Cl8.8, Full Thd
14		84259313		1	FITTING
15		84262694		1	90 ELBOW
16		84256601		1	CHECK VALVE
17		9824055		1	HYD CONNECTOR
18		87493307		2	RUN TEE
19		84394685		1	ELBOW
20		84395081		1	ADAPTER

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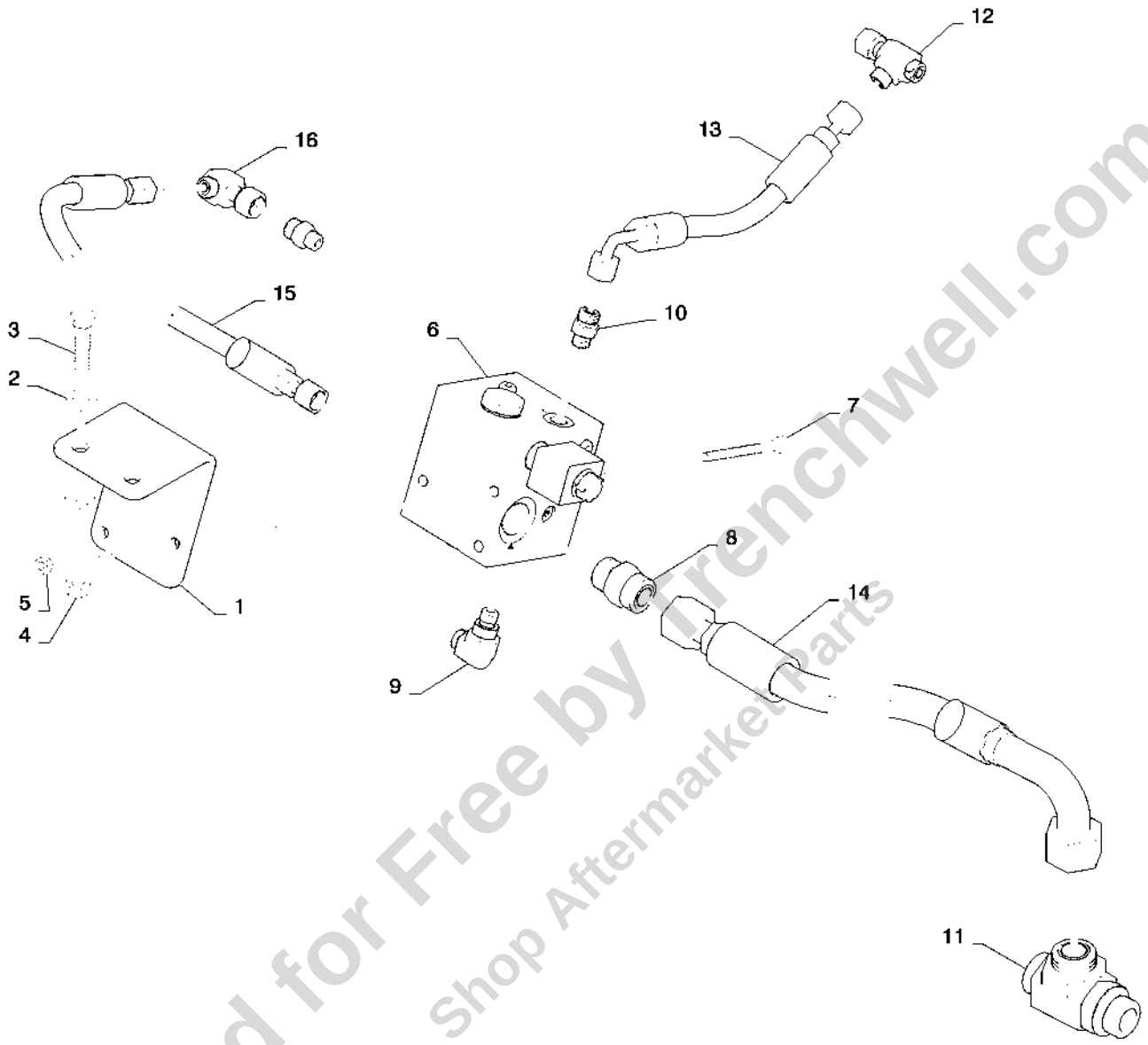
35.726.25		p1	06/11

VALVE INSTALL - BACKHOE CONTROL, DUAL AUX (PILOT CONTROLS) GEAR PUMP ONLY (580N)



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VALVE INSTALL - BACKHOE CONTROL, DUAL AUX (PILOT CONTROLS) GEAR PUMP ONLY (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84257782		1	BRACKET
2		87655043		4	SPECIAL WASHER
3		9706702		2	BOLT, Hex, M12 x 50, 8.8
4		337475		2	NUT, M12, Cl 10
5		43362		2	NUT, Hex, M8, Cl 10, ZND
6		84247110		1	VALVE
8		9840535		1	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
9		9840543		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
10		9993143		2	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
11		201-407		1	TEE, 1 7/16"-12 x 1 5/16"-12 Run, ORFS
12		84989848		1	HYD CONNECTOR
13		84259315		1	HOSE ASSY.
14		84389775		1	HOSE ASSY.
15		84419702		1	HOSE ASSY.
16		84989392		1	ELBOW, 90º, 11/16"-16 ORFS x 11/16"-16 Fem Sw

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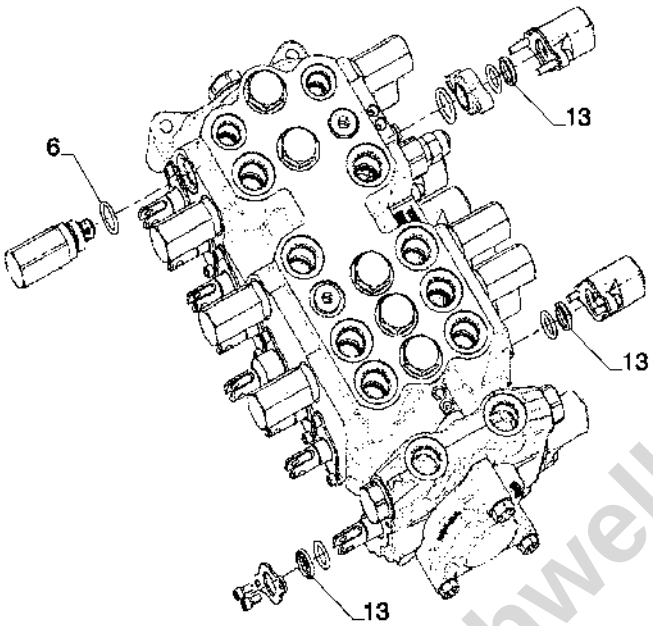
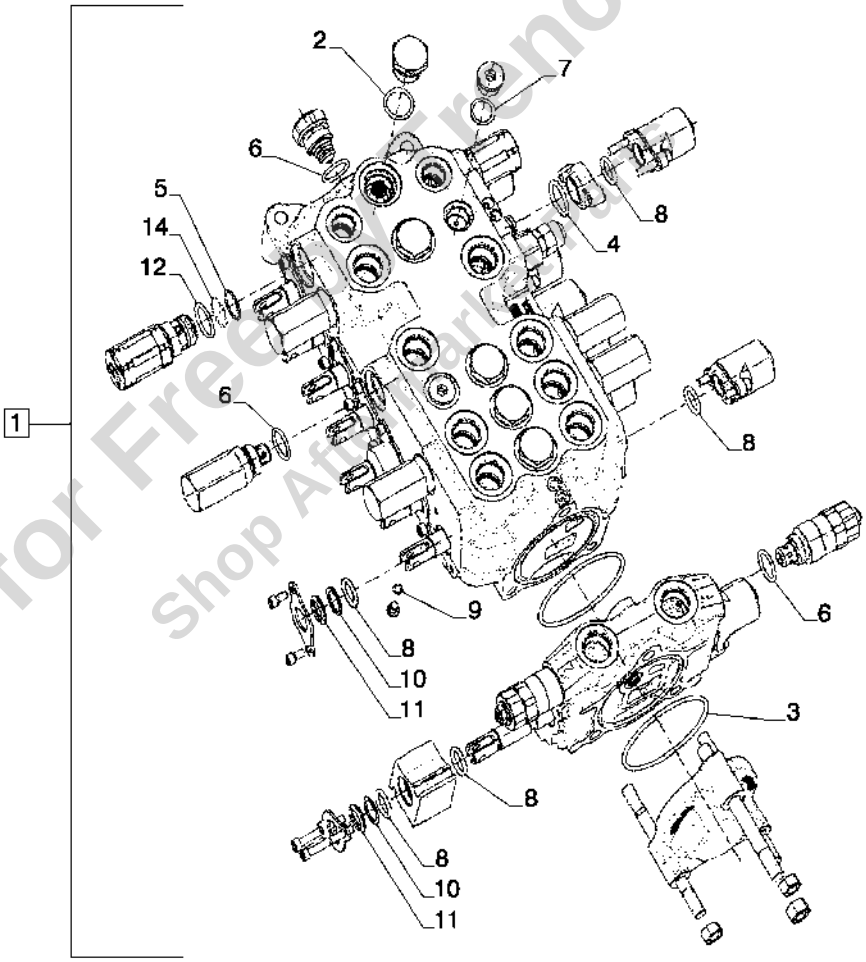
35.726.26		p1	06/11

VALVE - BACKHOE CONTROL - SEAL KIT





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VALVE - BACKHOE CONTROL - SEAL KIT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84296786		1	KIT, Inc 2-14
2		NSS		5	NOT SERVICED SEPARATELY
3		NSS		2	NOT SERVICED SEPARATELY
4		NSS		1	NOT SERVICED SEPARATELY
5		NSS		2	NOT SERVICED SEPARATELY
6		NSS		10	NOT SERVICED SEPARATELY
7		NSS		2	NOT SERVICED SEPARATELY
8		NSS		17	NOT SERVICED SEPARATELY
9		NSS		1	NOT SERVICED SEPARATELY
10		NSS		8	NOT SERVICED SEPARATELY
11		NSS		8	NOT SERVICED SEPARATELY
12		NSS		2	NOT SERVICED SEPARATELY
13		NSS		9	NOT SERVICED SEPARATELY
14		NSS		2	NOT SERVICED SEPARATELY

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580N 580SN WT
590SN 580SN

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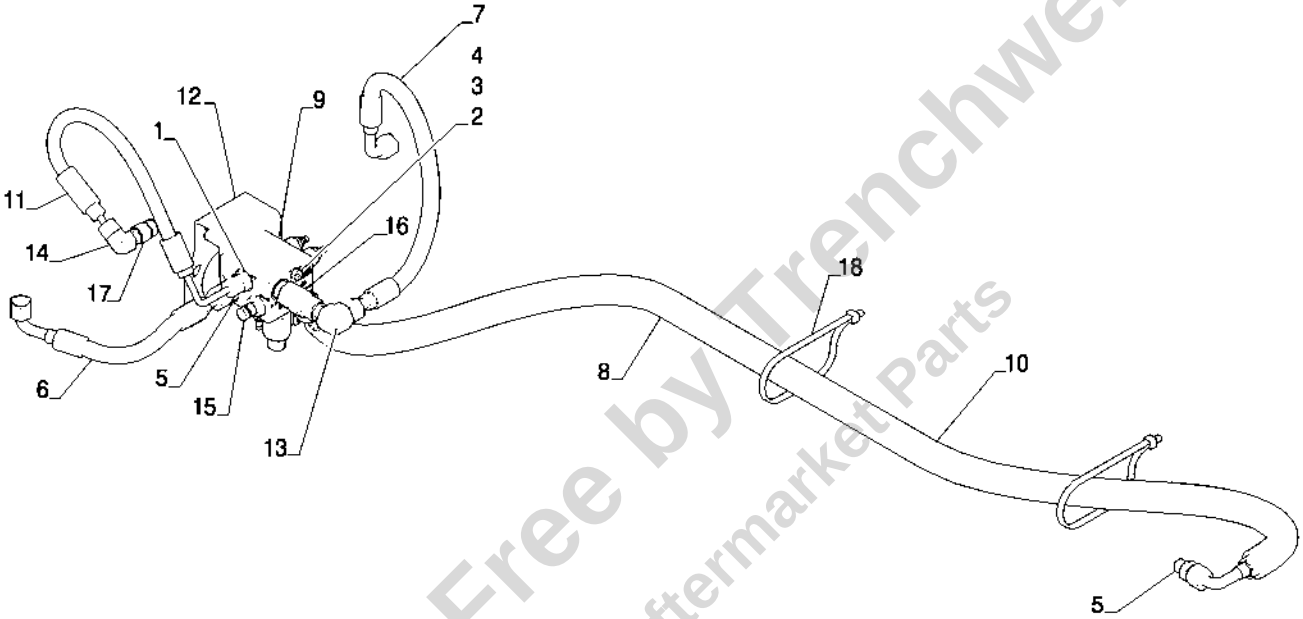
35.726.27	01	p1	06/11

HYDRAULICS - HEAVY LIFT (PILOT CONTROL) (580SN,580SN WT, 590SN)



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HYDRAULICS - HEAVY LIFT (PILOT CONTROL) (580SN,580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		201-328		1	ELBOW, 45º, 9/16"-18 x 9/16"-18, Adj, ORFS
2		814-6080		2	BOLT, Hex, M6 x 80, 8.8
3		829-1406		2	NUT, M6, Cl 10
4		892-11006		2	LOCK WASHER, M6
5		9993143		2	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
6		84252236		1	HYD. TUBE
7		84254245		1	HYD. TUBE
8		84254246		1	HYD. TUBE
9		84272885		1	VALVE, 580SN WT
9		84272884		1	VALVE, 580SN, 590SN
10		NS		1	NOT SERVICED, Hose Guard
11		84332166		1	HOSE ASSY.
12		84333112		1	BRACKET
13		84989392		1	ELBOW, 90º, 11/16"-16 ORFS x 11/16"-16 Fem Sw
14		86596853		1	QUICK MALE COUPLING, 9/16"-18
15		87305436		1	HYD CONNECTOR
16		87681202		1	HYD CONNECTOR
17		L18331		2	CABLE STRAP

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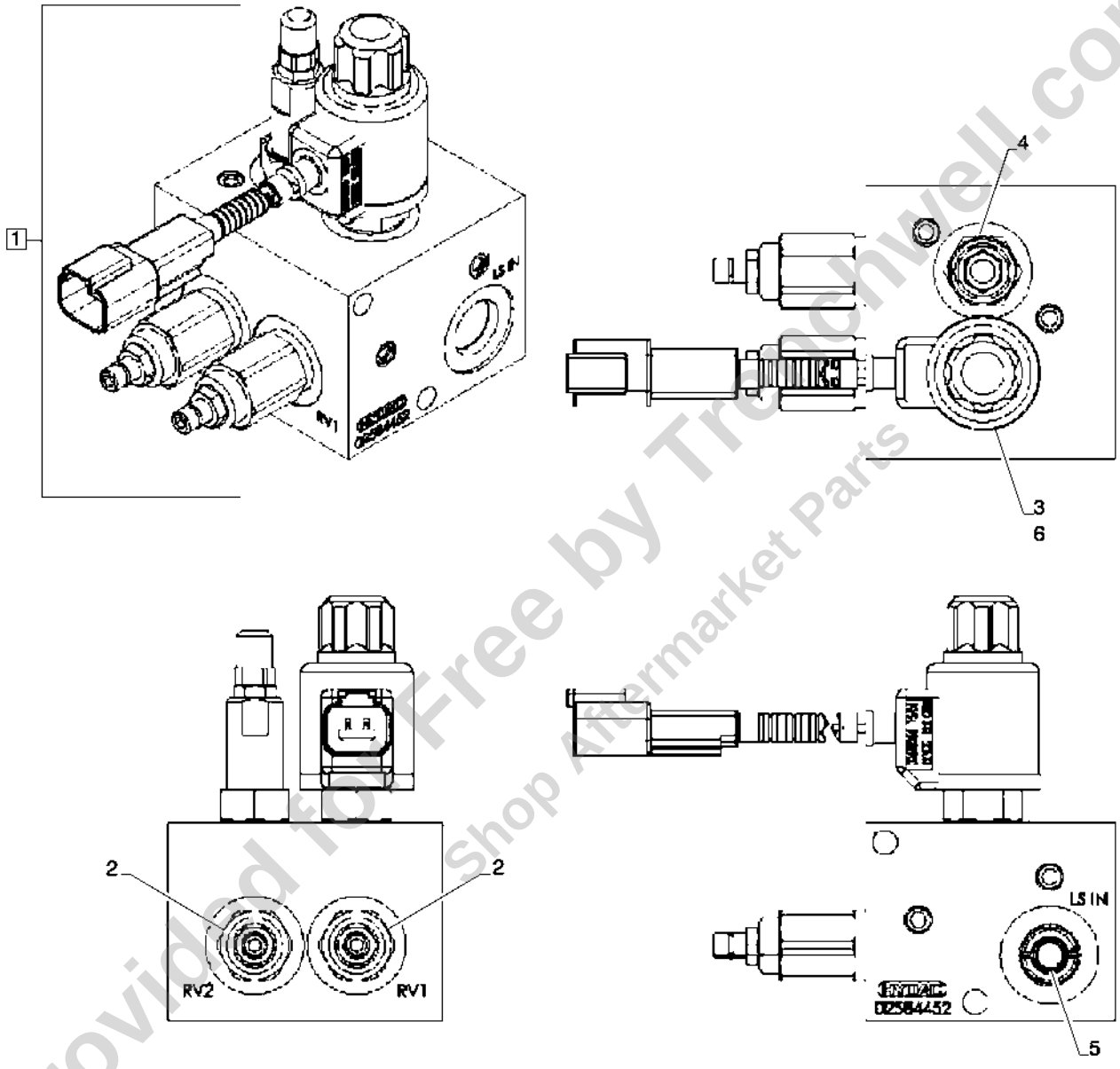
35.726.27	02	p1	06/11

VALVE - HEAVY LIFT (PILOT CONTROL) (580SN, 580SN WT, 590SN)



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VALVE - HEAVY LIFT (PILOT CONTROL) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84272884		1	VALVE, 580SN, 590SN
1		84272885		1	VALVE, 580SN WT
2		84338932		1	VALVE
3		84338933		1	VALVE
4		84338937		1	VALVE
5		84338938		1	FILTER
6		84338935		1	COIL
7		84338936		1	SERVICE KIT, Solonoid nut (Not Shown)

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580SN WT 590SN
580SN

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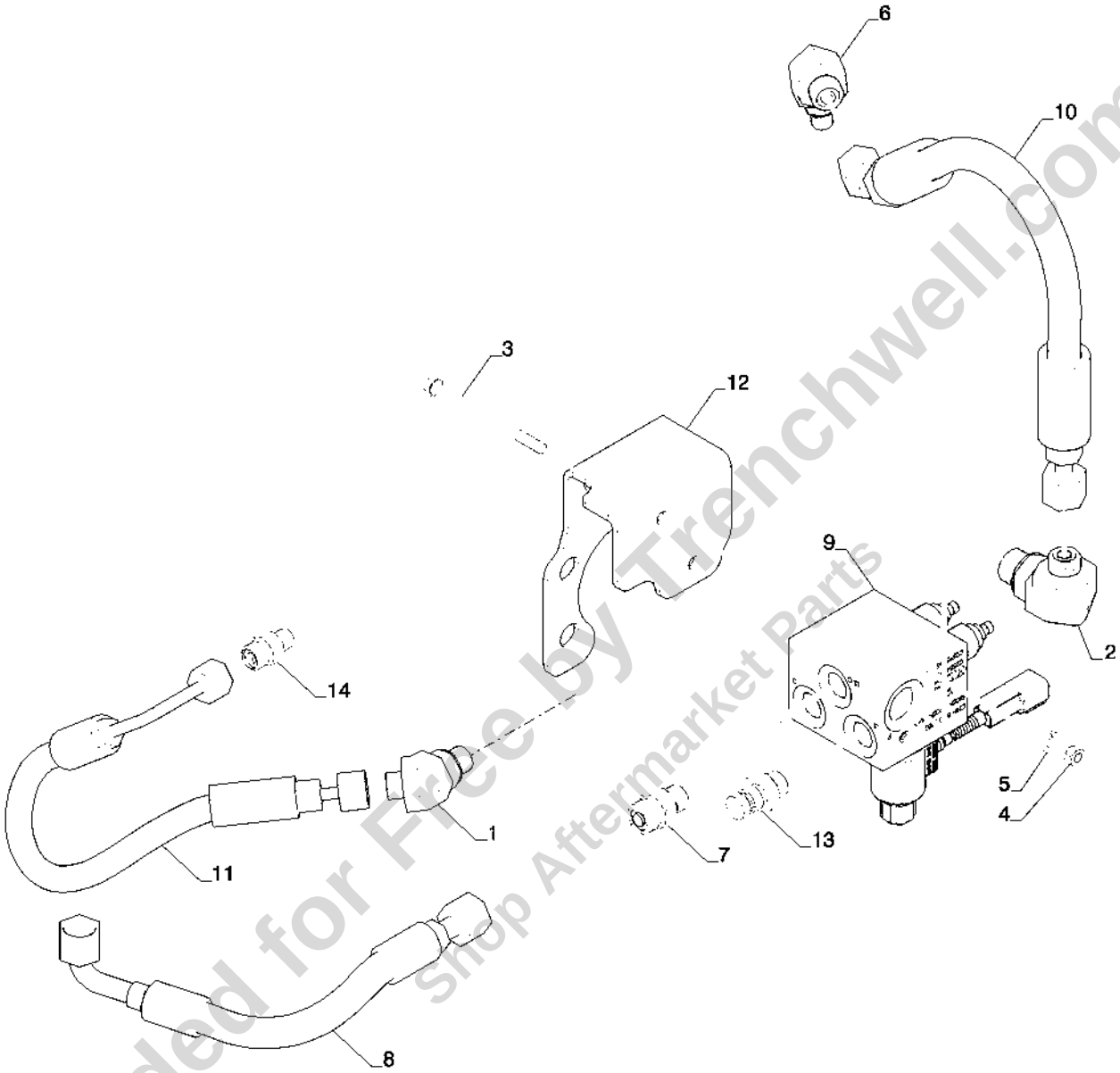
35.726.28	01	p1	06/11

HYDRAULICS - HEAVY LIFT (MECHANICAL CONTROL) (580SN, 580SN WT, 590SN)



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HYDRAULICS - HEAVY LIFT (MECHANICAL CONTROL) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		201-328		1	ELBOW, 45º, 9/16"-18 x 9/16"-18, Adj, ORFS
2		201-345		1	ELBOW, 90º, 11/16"-16 x 3/4"-16, Adj, ORFS
3		814-6080		2	BOLT, Hex, M6 x 80, 8.8
4		829-1406		2	NUT, M6, Cl 10
5		892-11006		2	LOCK WASHER, M6
6		9843592		1	ELBOW
7		9993143		1	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
8		84252236		1	HYD. TUBE
9		84272882		1	VALVE, 580SN, 590SN
9		84272883		1	VALVE, 580SN WT
10		84332151		1	HOSE ASSY.
11		84332166		1	HOSE ASSY.
12		84333112		1	BRACKET
13		86596853		1	QUICK MALE COUPLING, 9/16"-18
14		87681202		1	HYD CONNECTOR

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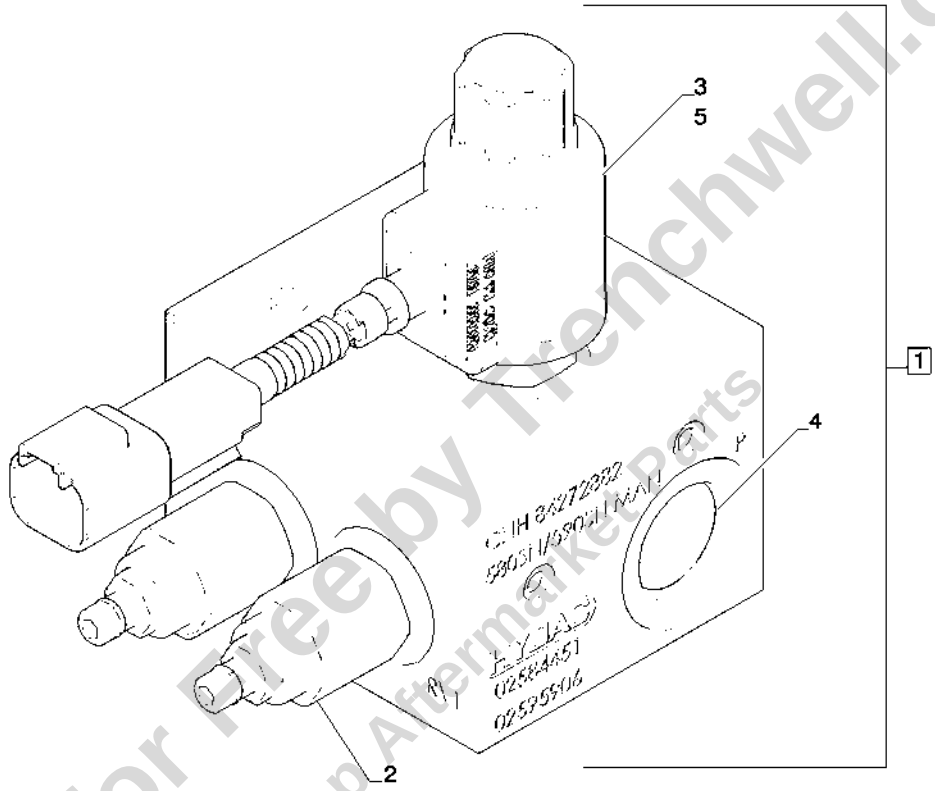
35.726.28	02	p1	06/11

VALVE - HEAVY LIFT (MECHANICAL CONTROL) (580SN, 580SN WT, 590SN)



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VALVE - HEAVY LIFT (MECHANICAL CONTROL) (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84272882		1	VALVE, 580SN, 590SN
1		84272883		1	VALVE, 580SN WT
2		84338932		1	VALVE
3		84338933		1	VALVE
4		84338934		1	FILTER
5		84338935		1	COIL
6		84338936		1	SERVICE KIT

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580SN WT 590SN
580SN

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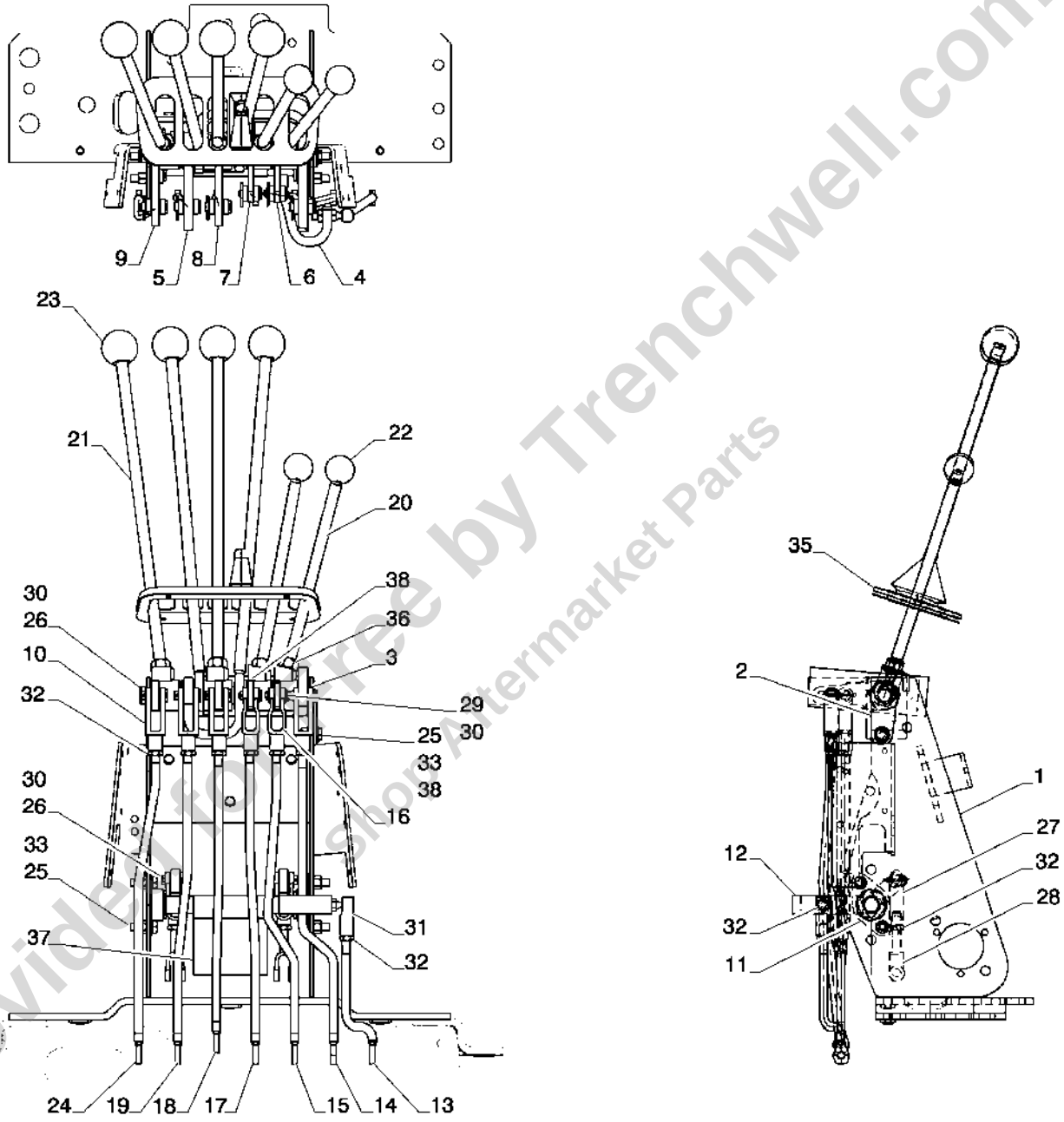
35.726.30	01	p1	10/11

CONTROL - BACKHOE, WITH FOOT SWING (WITH EXTENDABLE DIPPER)



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CONTROL - BACKHOE, WITH FOOT SWING (WITH EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87418516		1	SUPPORT
2		87401203		1	SHAFT
3		A30881		13	BEARING WASHER, 49" ID x 40558" OD
4		136267A1		1	LEVER
5		136269A1		1	LEVER
6		D150434		1	CRANK LEVER
7		D150435		1	CRANK LEVER
8		D150397		1	CRANK LEVER
9		182006A1		1	LEVER
10		213-126		4	ADJUSTABLE CLEVIS, 3/8"-24 x 2 1/2"
11		D139039		2	BUSHING, 19 mm ID x 20.6
12		D148994		1	SHAFT
13		87422239		1	THREADED ROD
14		87422241		1	THREADED ROD
15		87422243		1	THREADED ROD
16		D150493		2	CLEVIS
17		87422245		1	THREADED ROD
18		87422247		1	THREADED ROD
19		87422249		1	THREADED ROD
20		136261A1		2	THREADED ROD
21		136263A1		2	ROD
22		D59912		2	KNOB
23		L54563		4	KNOB
		84490914		1	SERVICE KIT, Includes Ref 24 and Ref 3 (Qty 3)
24		87446113		1	THREADED ROD
25		614-8025		5	BOLT, Hex, M8 x 25, 8.8
26		D149288		6	PIN
27		D149262		2	CLEVIS
28		D150503		2	END
29		427-6088		2	CLEVIS PIN, 3/8" x 3/4"
30		432-612		8	COTTER PIN, 3/32" x 3/4"
31		D149295		1	BALL JOINT
32		425-156		10	NUT, Jam, 3/8"-24, G5
33		832-10408		5	LOCK NUT, M8 x 1.25, Cl 8
34		D34666		1	WASHER

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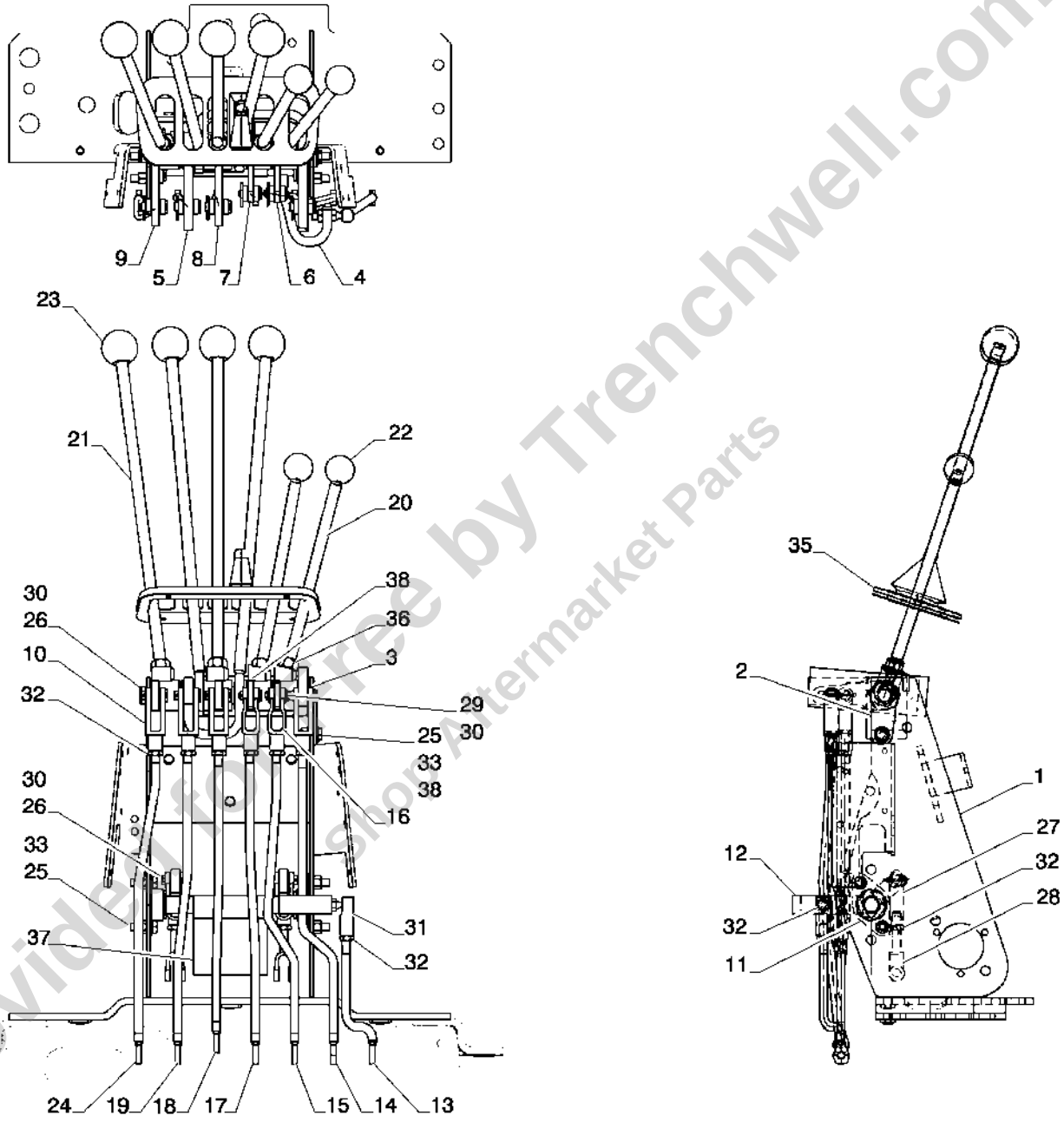
CONTROL - BACKHOE, WITH FOOT SWING (WITH EXTENDABLE DIPPER)



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CONTROL - BACKHOE, WITH FOOT SWING (WITH EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
35		D149867		1	BOOT
36		425-118		4	NUT, 1/2"-20, G5
37		87444776		1	WARNING DECAL
38		87655042		1	SPECIAL WASHER

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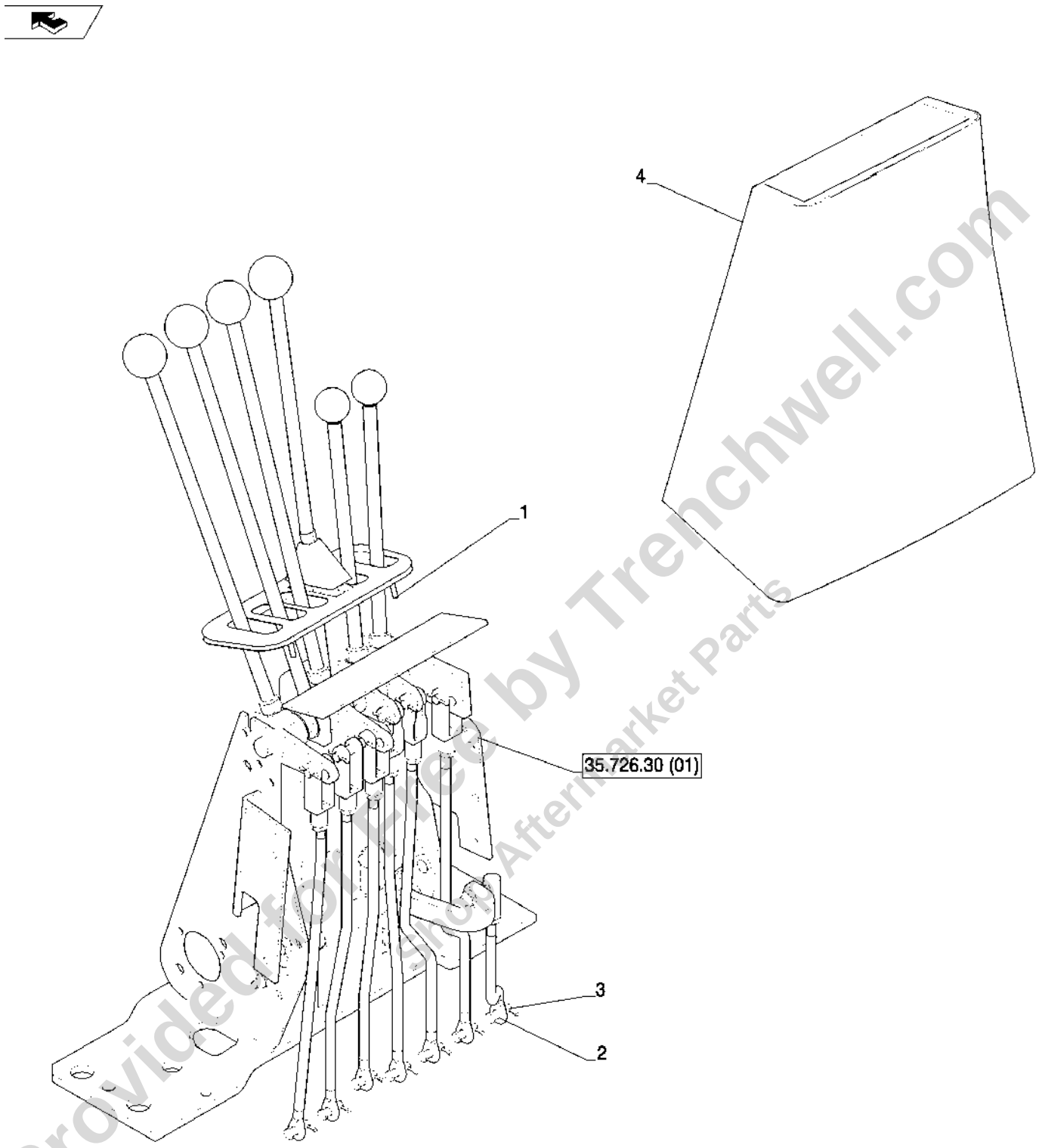
CONTROL - BACKHOE, WITH FOOT SWING (WITH EXTENDABLE DIPPER)



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CONTROL - BACKHOE, WITH FOOT SWING (WITH EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		140-107		4	SCREW, Cross Pan Hd, #10-24 x 3/4"
2		D149287		7	PIN
3		432-612		7	COTTER PIN, 3/32" x 3/4"
4		D149825		1	DECAL

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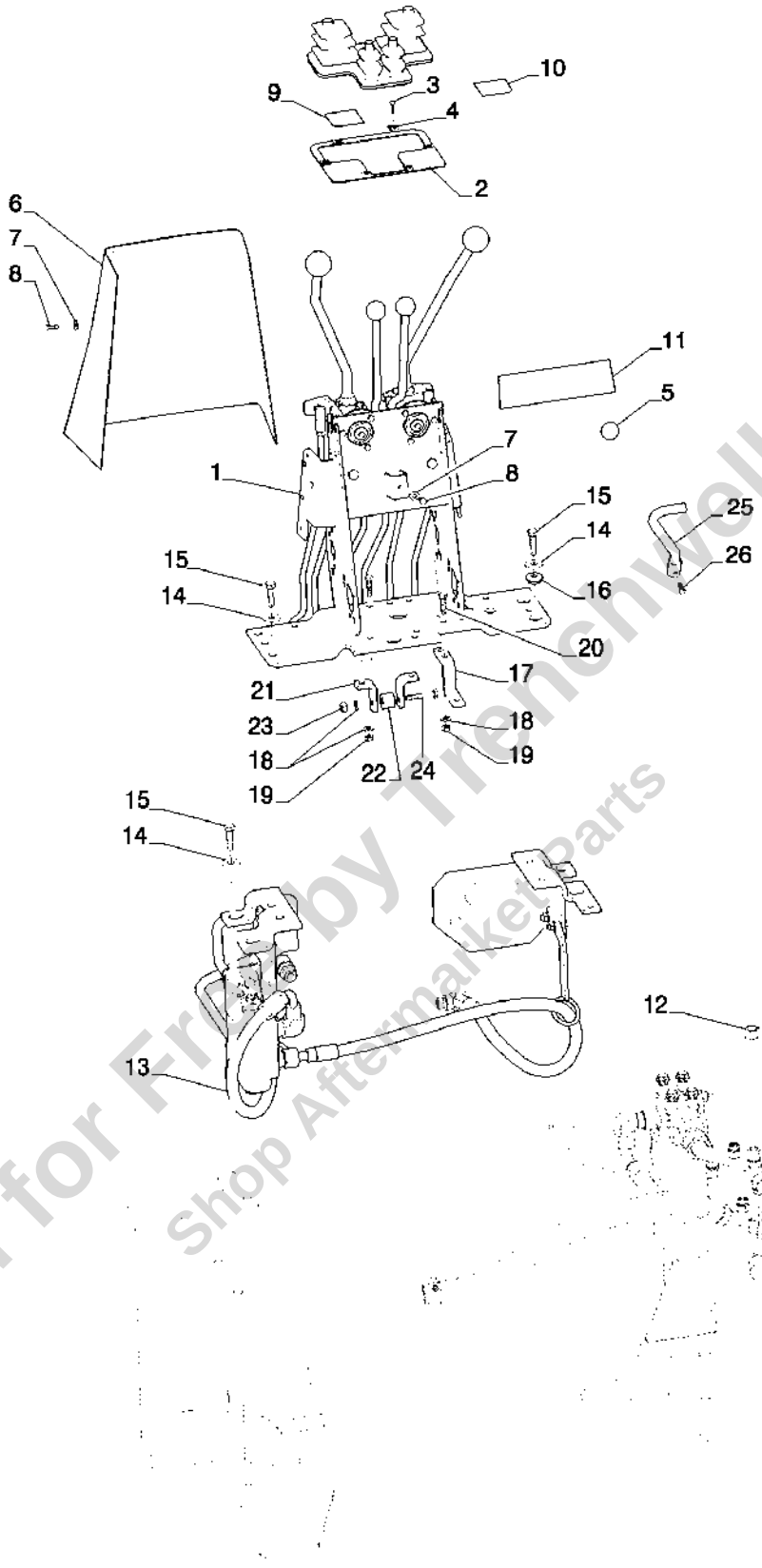
CONTROL - BACKHOE, 2 LEVER



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CONTROL - BACKHOE, 2 LEVER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87309482		1	LEVER
2		136824A1		1	PLATE, LARGE
3		87310126		6	SCREW
4		131-861		6	NUT, Tinn, U, #10-24
5		353-411		1	PLUG, Dome, 1.000" hole, Nylon
6		390758A1		1	COVER
7		87310139		5	WASHER
8		87310156		5	SCREW
9		D149828		1	DECAL
10		D149829		1	DECAL
11		D149826		1	IMPORTANT DECAL
12		87331950		2	CAP ASSY., Non- Pilot Units
13		87480653		1	DAMPING VALVE
14		87687101		8	WASHER
15		614-10035		8	BOLT, Hex, M10 x 35, 8.8, Full Thd
16		179956A1		2	INSULATOR
17		87449995		1	BRACKET
18		87655042		5	SPECIAL WASHER
19		829-1408		4	NUT, M8, Cl 10
20		614-8030		4	BOLT, Hex, M8 x 30, 8.8
21		87449996		2	BRACKET
22		86984547		1	GUIDE
23		829-1410		1	NUT, M10, Cl 10
24		814-8050		1	BOLT, Hex, M8 x 50, 8.8
25		87444149		1	ROD
26		87041331		1	BOLT, Hex, Lock, M6 x 16, Cl 8.8
27		D149868		1	BOOT, Used with Ref 2 (Not Shown)

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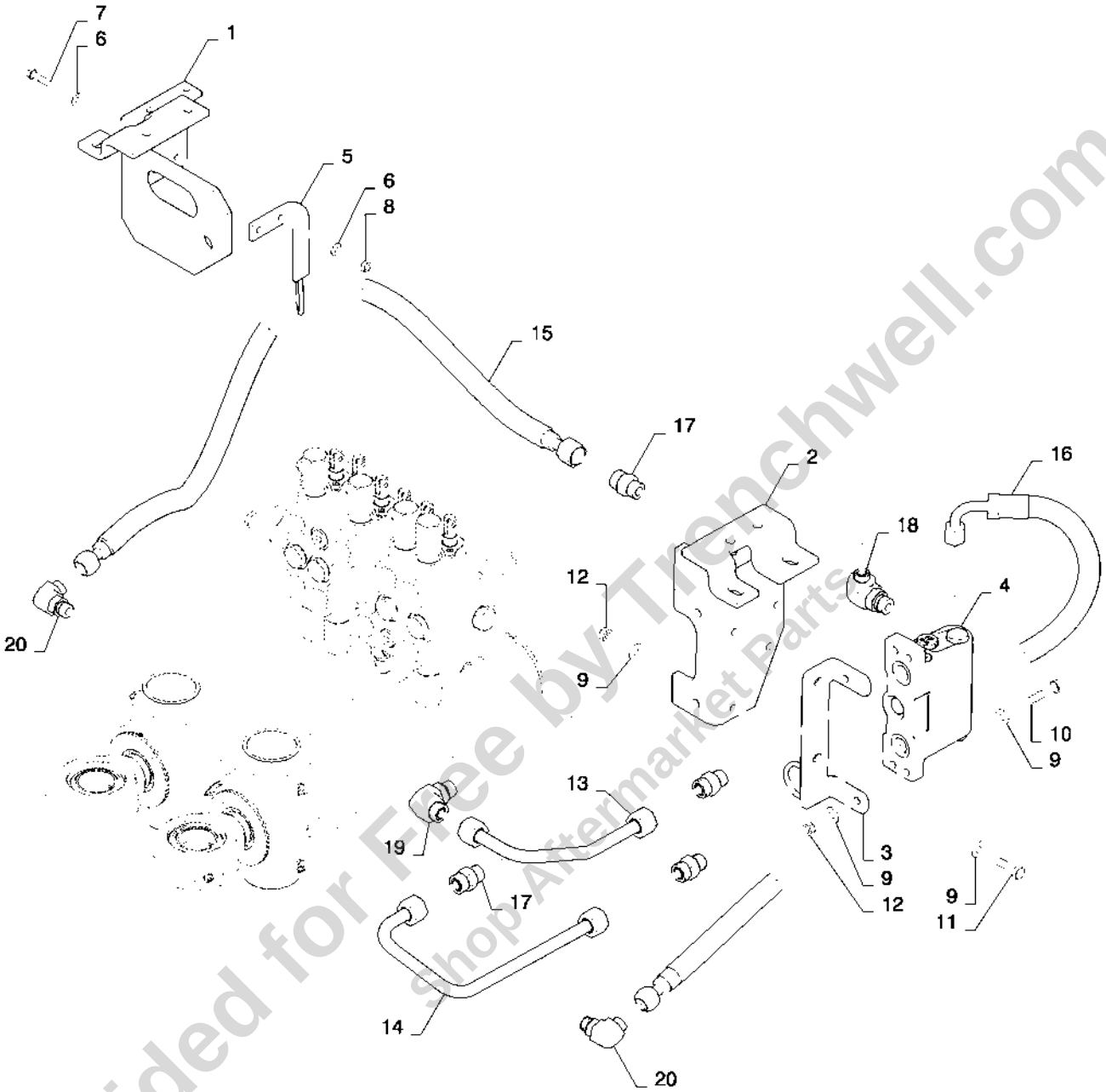
VALVE INSTALL - SWING CUSHION (DAMPENING)



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VALVE INSTALL - SWING CUSHION (DAMPENING)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84270125		1	BRACKET, Valve Mounting; LH
2		87703557		1	BRACKET, Valve Mounting; RH
3		87648711		1	BRACKET, Valve Mounting
4		87480653		1	DAMPING VALVE, Swing Cushion; Dampening
5		87633538		1	BRACKET, Hose Support
6		87655042		4	SPECIAL WASHER
7		614-8030		2	BOLT, Hex, M8 x 30, 8.8
8		829-1408		2	NUT, M8, Cl 10
9		87655046		8	SPECIAL WASHER
10		86980404		2	BOLT, M10-1.5 X 45, 8.8, DOR
11		614-10035		2	BOLT, Hex, M10 x 35, 8.8, Full Thd
12		829-1410		4	NUT, M10, Cl 10
13		84254943		1	HYD. TUBE, Dampening Valve Top Port
14		84254944		1	HYD. TUBE, Dampening Valve Bottom Port
15		84285086		1	HOSE, Dampening Valve Lower Port To Swing Cylinder
16		84254941		1	HYDRAULIC HOSE, Dampening Valve Upper Port To Swing Cylinder
17		9621483		4	HYD CONNECTOR, 1"-14 ORFS x 7/8"-14 ORB
18		85802961		1	ELBOW
19		87675522		1	ELBOW
20		9992307		2	ELBOW, 90º, 13/16"-16 x 3/4"-16 Adj, ORFS

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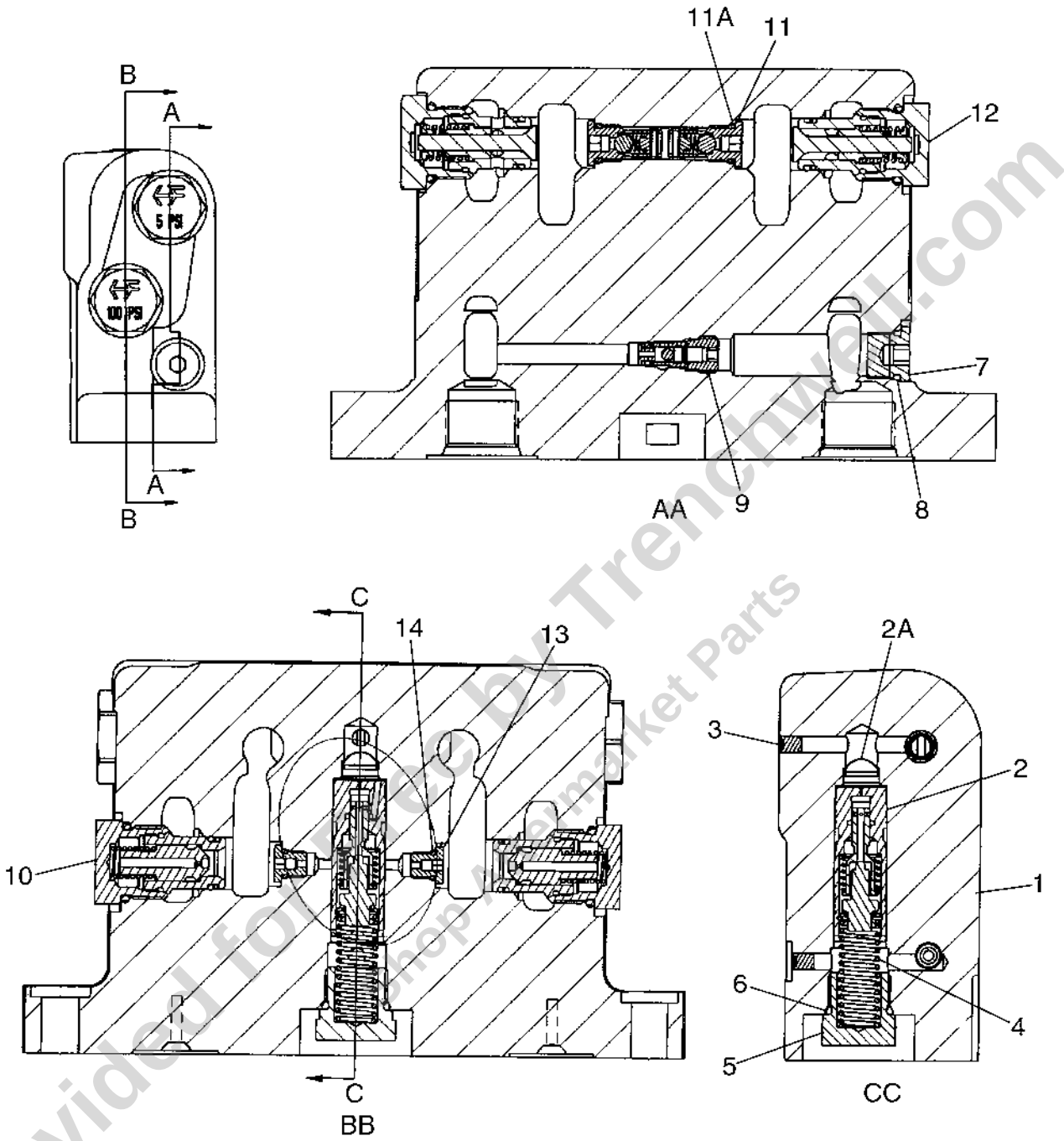
VALVE - SWING CUSHION (DAMPENING)



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VALVE - SWING CUSHION (DAMPENING)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87449373		1	HYDRAULIC VALVE, Swing Cushion; Incl. Ref 1 - 14; No Longer Available, For Service Order 87480653
1		NSS		1	NOT SERVICED SEPARATELY, HOUSING
		87480653		1	DAMPING VALVE, Swing Cushion; Incl. Ref 1 - 14
2		87449374		1	SPOOL, Thermal Compensating; Component Parts Not Serviced Separately
2A		1976955C1		1	FILTER SCREEN
3		369372A1		2	PLUG, M5; Expansion
4		388881A1		1	COIL SPRING
5		409025A1		1	PLUG, Relief Check; Incl. Ref 6
6		237-6008		1	O-RING, 0.176" ID x 0.316" OD x 0.07", Boss seal
7		9625178		1	PLUG, Hex Soc, 9/16"-18 ORB, Incl. Ref 8
8		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07", Boss seal
9		388712A2		1	VALVE, Bi-Directional Check Valve; Includes 388713A1 Seal Kit
		388713A1		1	KIT, Seal; Includes An O-Ring and Backup Ring; Component Parts Not Serviced Separately
10		396422A2		2	VALVE, CHECK, 100 psi, Orifice; Component Parts Not Serviced Separately; Order 1542830C2 Seal Kit To Service External Seals
		443432A1		1	SEAL KIT, For Servicing External Seals on Ref 9, 10, 11 or 12 Valve; If Used
11		400296A2		2	VALVE, CHECK, In-Line; Component Parts Not Serviced Separately; Incl. Ref 11A
11A		237-6004		1	O-RING, 0.351" ID, Boss seal
12		8605073		2	VALVE, CHECK, 5 psi; Component Parts Not Serviced Separately; Order 1542830C2 Seal Kit To Service External Seals; Replaces 389541A1; 87449373 Valve Only
		1542830C2		1	SEAL KIT, For Servicing External Seals on Ref 10 or 12 Valve
12		87753055		2	CHECK VALVE, 5 psi; Component Parts Not Serviced Separately; 87480653 Valve Only

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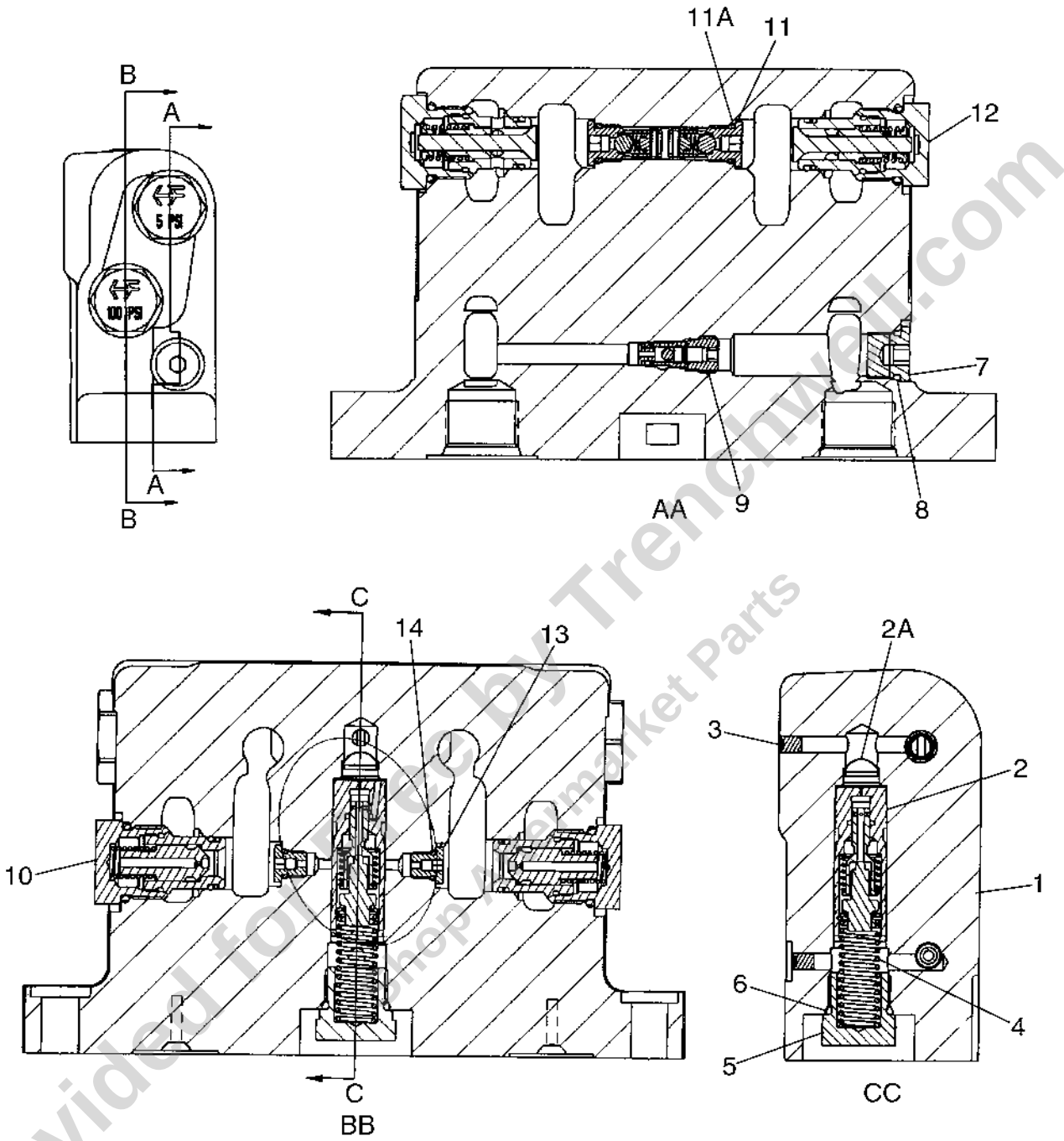
VALVE - SWING CUSHION (DAMPENING)



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VALVE - SWING CUSHION (DAMPENING)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
12		389541A1		2	VALVE, CHECK, 5 psi; Component Parts Not Serviced Separately; Order 1542830C2 Seal Kit To Service External Seals
13		400657A1		2	PLUG, Orifice 1.85 mm; Incl. Ref 14
14		237-6002		1	O-RING, 0.239" ID x 0.064" Width

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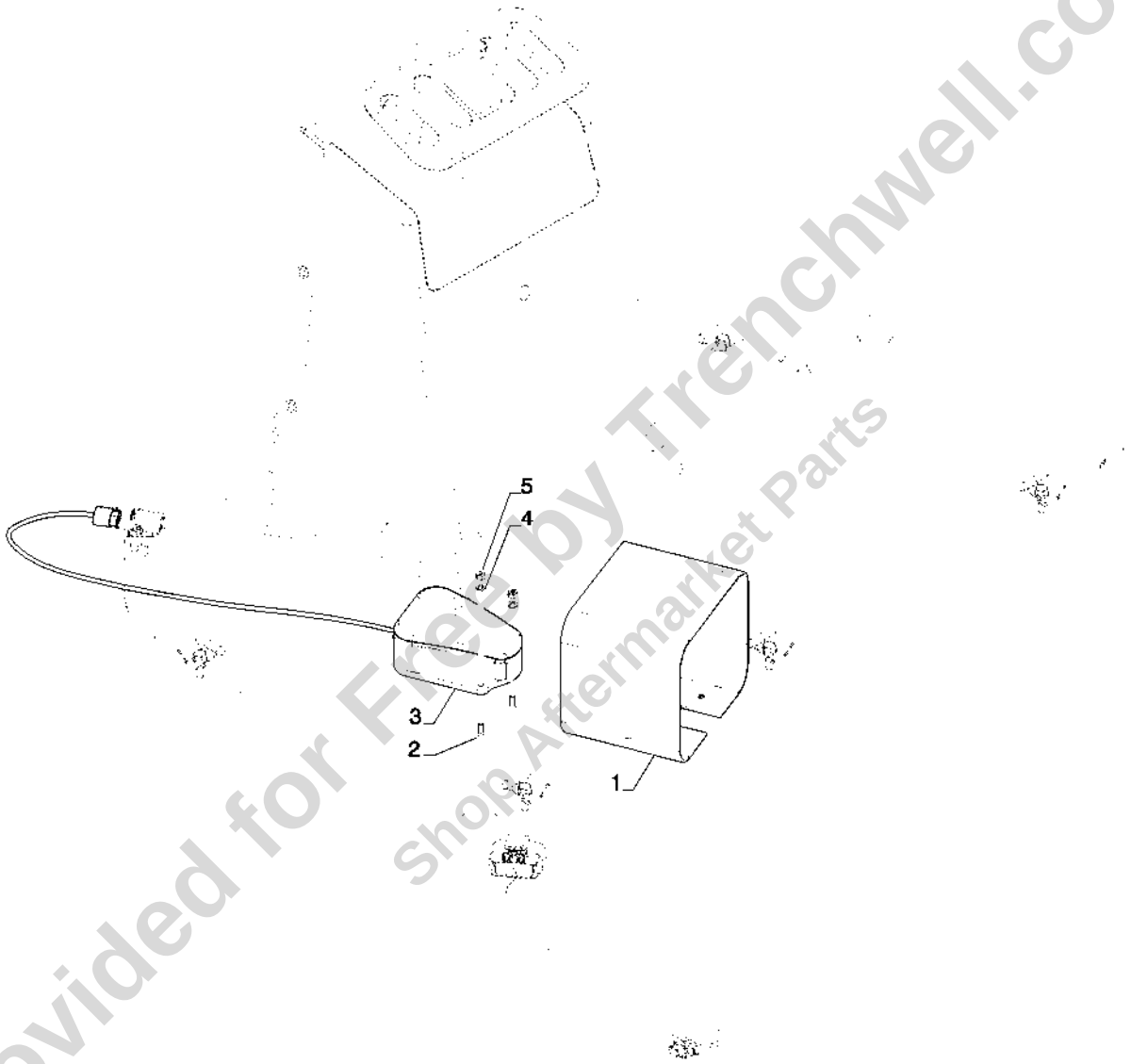
CONTROL - BACKHOE, AUXILIARY FOOT SWITCH



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CONTROL - BACKHOE, AUXILIARY FOOT SWITCH

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		300030A1		1	COVER
2		843-1516		2	SCREW, Hex Flat Hd, M5 x 16, 4.8
3		137219A1		1	SWITCH
4		892-11005		2	LOCK WASHER, M5
5		824-1405		2	NUT, M5, Cl 5

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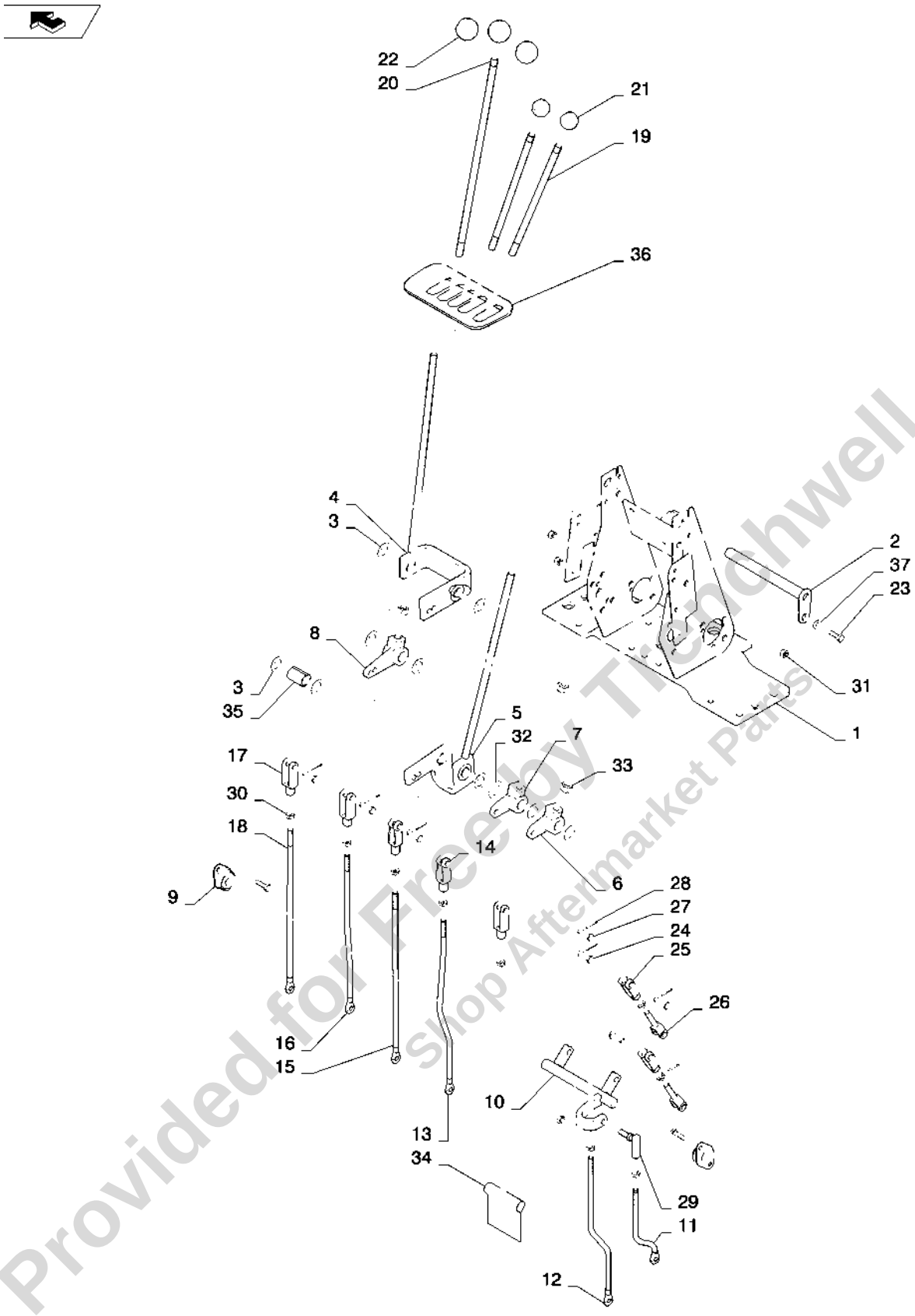
CONTROL - BACKHOE, WITH FOOT SWING (WITHOUT EXTENDABLE DIPPER)



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CONTROL - BACKHOE, WITH FOOT SWING (WITHOUT EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87418516		1	SUPPORT
2		87401203		1	SHAFT
3		A30881		10	BEARING WASHER, 49" ID x 40558" OD
4		136267A1		1	LEVER
5		136269A1		1	LEVER
6		D150434		1	CRANK LEVER, Bellcrank Extendahoe
7		D150435		1	CRANK LEVER, Bellcrank Extendahoe
8		D150397		1	CRANK LEVER, Bellcrank Extendahoe
9		D139039		2	BUSHING, 19 mm ID x 20.6
10		D148994		1	SHAFT
11		87422239		1	THREADED ROD, Swing
12		87422241		1	THREADED ROD, Boom
13		87422243		1	THREADED ROD, LH Stabilizer
14		D150493		2	CLEVIS
15		87422245		1	THREADED ROD, RH Stabilizer
16		87422247		1	THREADED ROD, Dipper
17		213-126		3	ADJUSTABLE CLEVIS, 3/8"-24 x 2 1/2"
18		87422249		1	THREADED ROD, Bucket
19		136261A1		2	THREADED ROD
20		136263A1		1	ROD
21		D59912		2	KNOB
22		L54563		3	KNOB
23		614-8025		5	BOLT, Hex, M8 x 25, 8.8
24		D149288		5	PIN
25		D149262		2	CLEVIS
26		D150503		2	END
27		427-6088		2	CLEVIS PIN, 3/8" x 3/4"
28		432-612		7	COTTER PIN, 3/32" x 3/4"
29		D149295		1	BALL JOINT
30		425-156		9	NUT, Jam, 3/8"-24, G5
31		832-10408		5	LOCK NUT, M8 x 1.25, Cl 8
32		D34666		1	WASHER
33		425-118		3	NUT, 1/2"-20, G5
34		87444776		1	WARNING DECAL, Warning: Crush Hazard; Foot Swing

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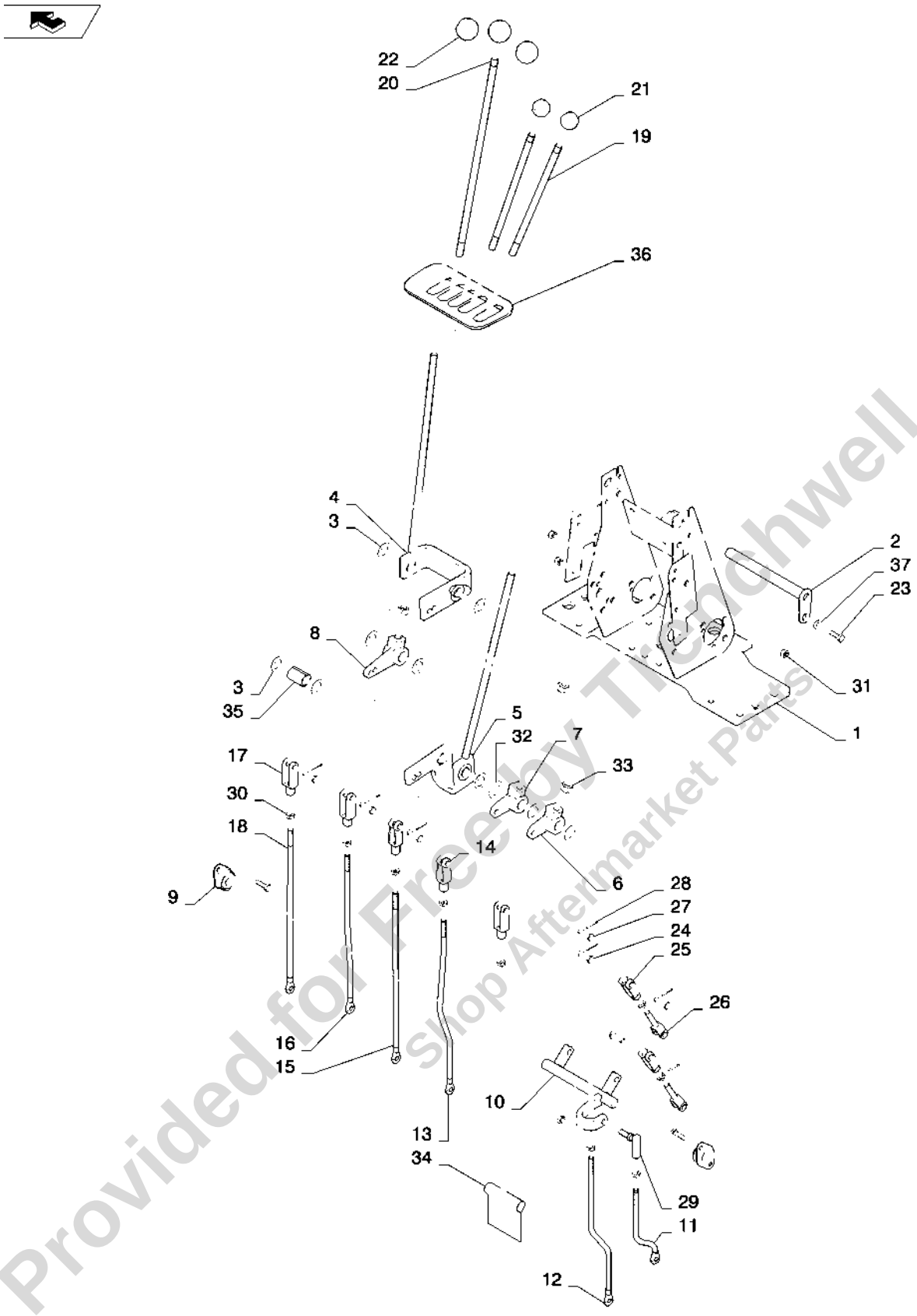
CONTROL - BACKHOE, WITH FOOT SWING (WITHOUT EXTENDABLE DIPPER)



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CONTROL - BACKHOE, WITH FOOT SWING (WITHOUT EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
35		D150486		1	SPACER
36		D149866		1	BOOT
37		87655042		1	SPECIAL WASHER

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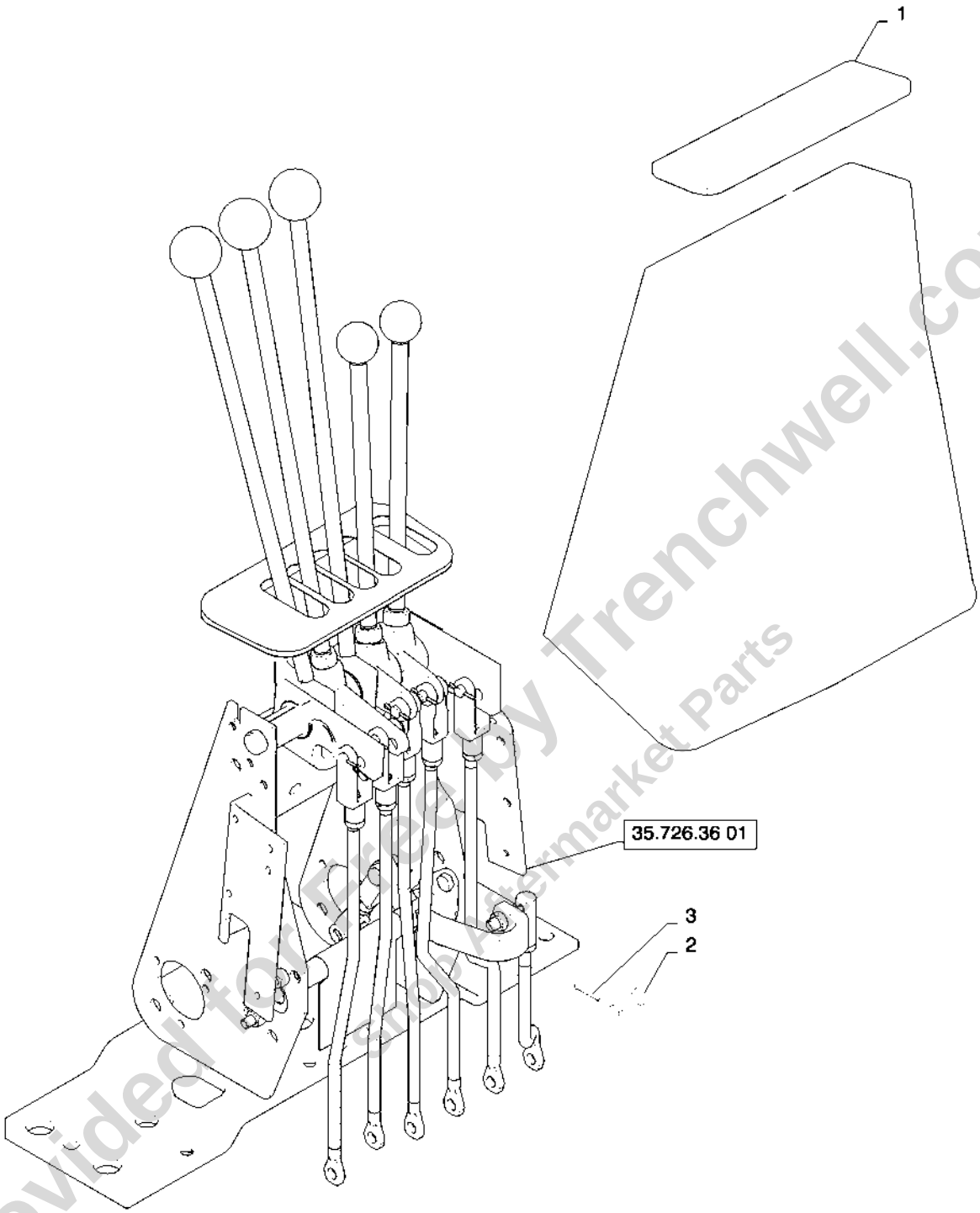
CONTROL - BACKHOE, WITH FOOT SWING (WITHOUT EXTENDABLE DIPPER)



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CONTROL - BACKHOE, WITH FOOT SWING (WITHOUT EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		D149824		1	DECAL, Top Backhoe
2		D149287		6	PIN
3		432-612		6	COTTER PIN, 3/32" x 3/4"

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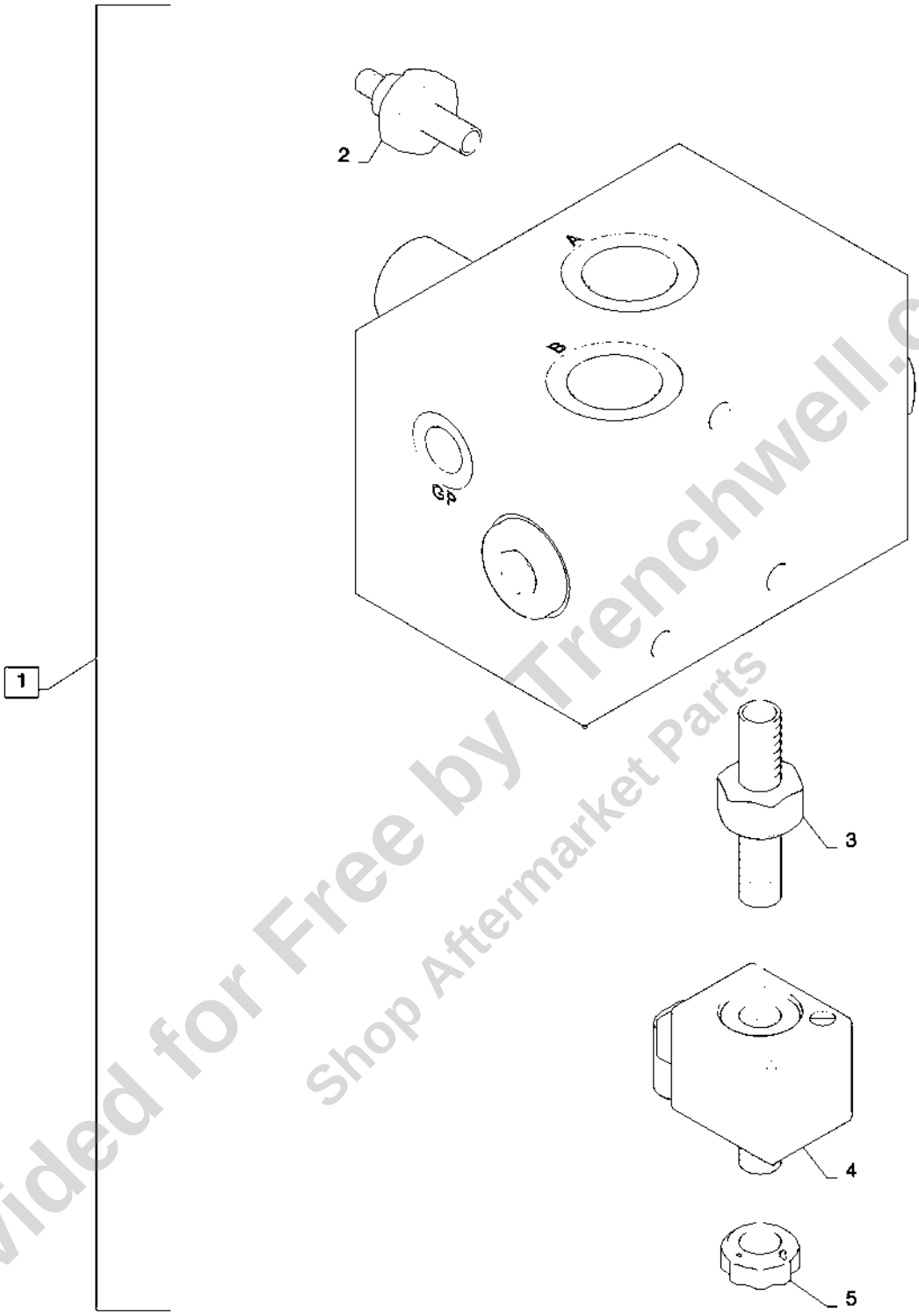
VALVE ASSY - HAMMER AUXILIARY (WITH MECHANICAL CONTROLS)



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VALVE ASSY - HAMMER AUXILIARY (WITH MECHANICAL CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84247109		1	VALVE, Hammer; Open Center
2		9970178		1	PRESSURE RELIEF VALVE
3		9970180		1	SOLENOID VALVE
4		84478803		1	COIL
5		9970384		1	NUT

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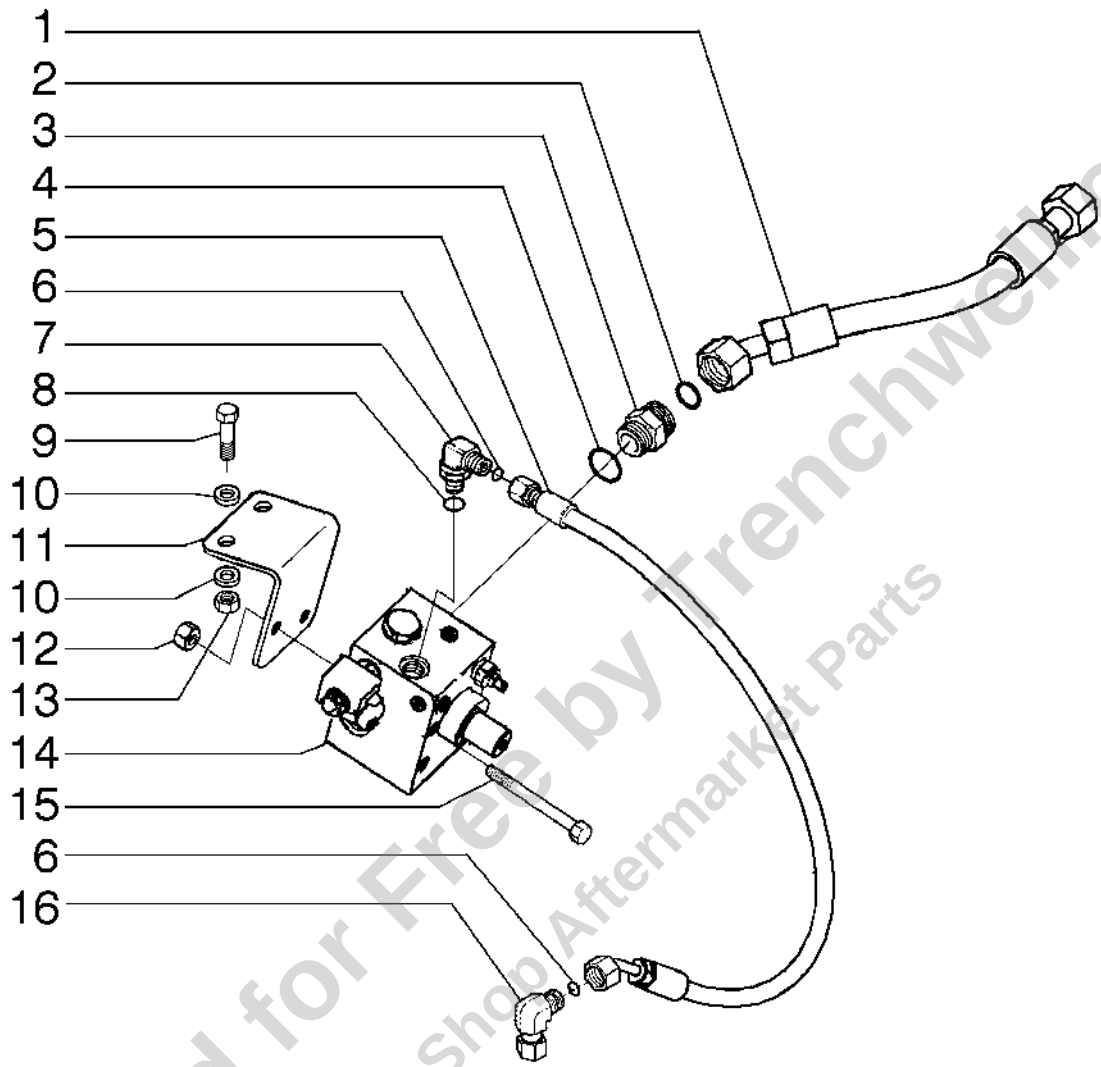
35.726.38	01	p1	11/11

VALVE INSTALL - HAMMER (WITH MECHANICAL CONTROLS)



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VALVE INSTALL - HAMMER (WITH MECHANICAL CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84283270		1	HOSE ASSY.
2		167266		2	O-RING, 0.924" ID x 0.116" Width
3		87303844		2	HYD CONNECTOR, 1 7/16"-12 ORFS x 1 1/16"-12 ORB
4		9824050		2	O-RING, 0.926" ID x 1.066" OD x 0.07"
5		84514723		1	HOSE ASSY.
6		9993141		2	O-RING, 0.364" ID x 0.504" OD x 0.07"
7		9840543		1	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
8		9617873		1	O-RING, 0.468" ID x 0.078" Width
9		9706702		2	BOLT, Hex, M12 x 50, 8.8
10		87655043		4	SPECIAL WASHER
11		84257782		1	BRACKET
12		43362		2	NUT, Hex, M8, Cl 10, ZND
13		337475		2	NUT, M12, Cl 10
14		84247109		1	VALVE
15		1960667		2	SCREW, Hex Soc Hd, M8 x 90, 8.8
16		84989392		1	ELBOW, 90º, 11/16"-16 ORFS x 11/16"-16 Fem Sw

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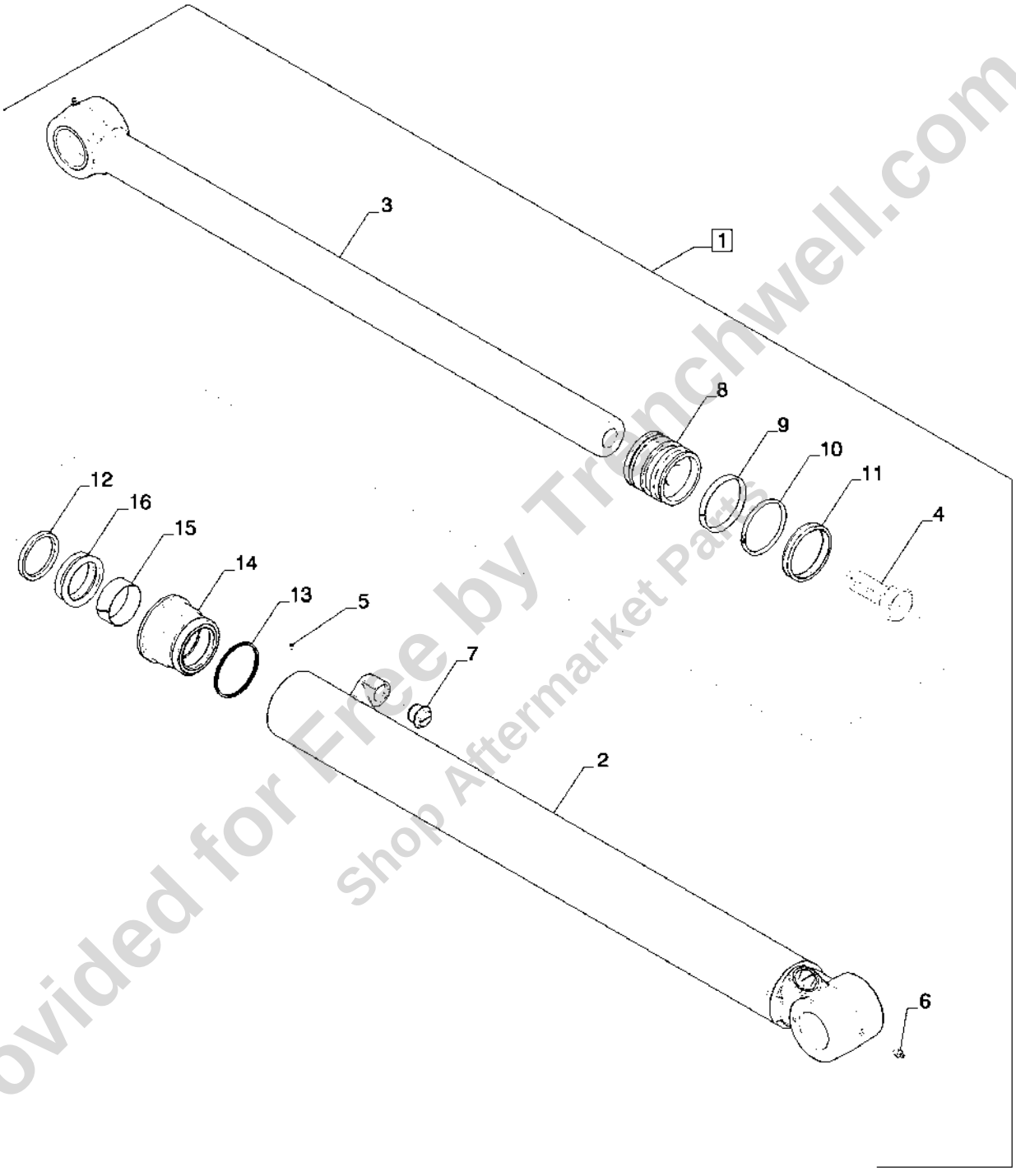
CYLINDER - BACKHOE DIPPER (580N)



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CYLINDER - BACKHOE DIPPER (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84290402		1	CYLINDER
2		84290399		1	BARREL
3		84238799		1	ROD
4		86982443		1	SPECIAL BOLT
5		G109395		1	SELF-TAP SCREW
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
7		353-780		2	PLUG, Sltd Hd, 7/8"-14, w/O-Ring
8		84297603		1	PISTON ROD/GLAND
9		G110530		1	RING
10		233104A1		1	RING
11		87715786		1	SEAL
12		D95145		1	SEAL
13		87615483		1	SEAL
14		84238804		1	GLAND
15		1346476C1		1	RING
16		1542877C1		1	SEAL KIT, Rod and Buffer

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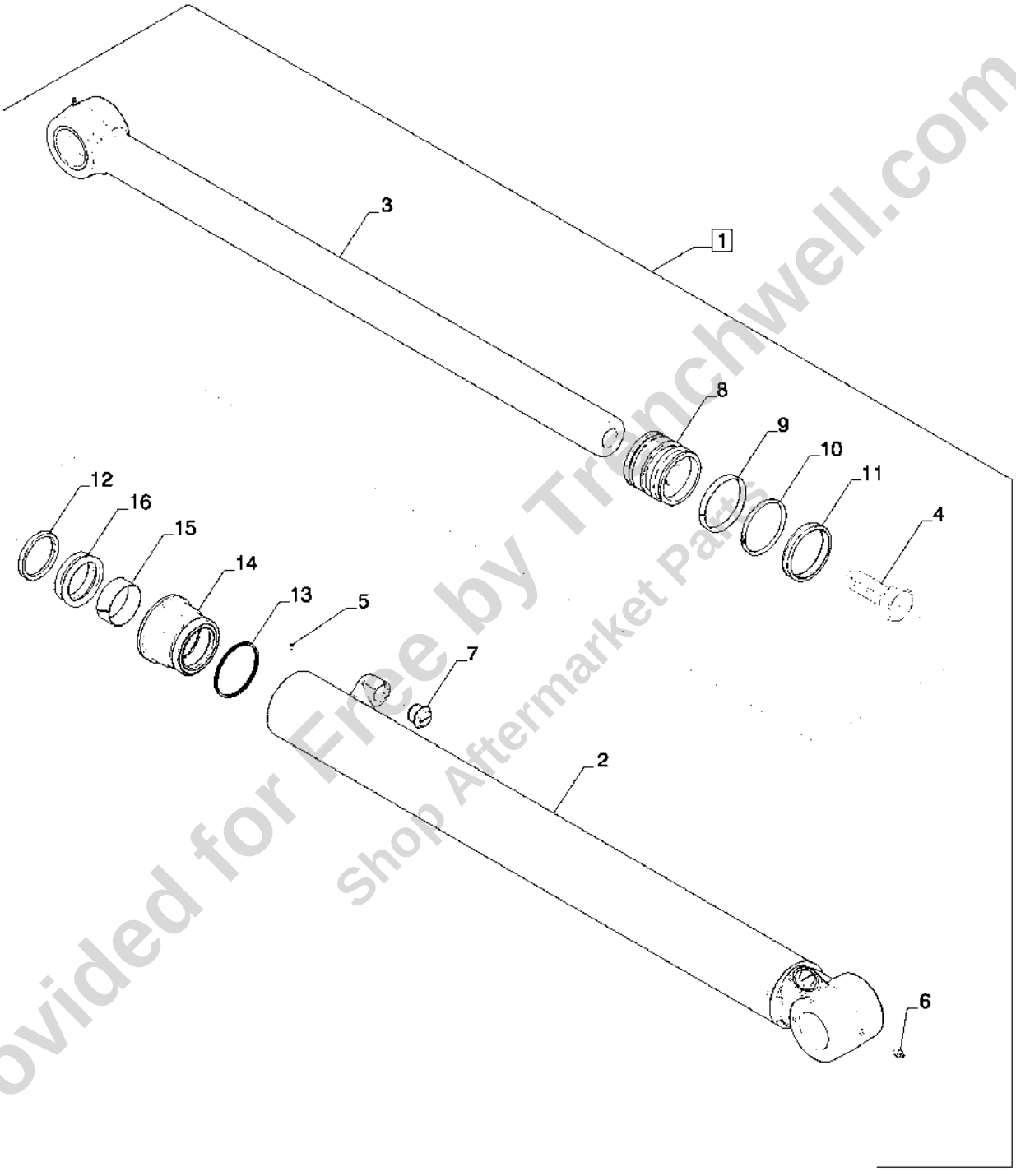
35.730.01	02	p1	09/11

CYLINDER - BACKHOE DIPPER(580SN, 580SN WT)



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CYLINDER - BACKHOE DIPPER(580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84288848		1	CYLINDER, Dipper
2		84288845		1	BARREL
3		84204342		1	ROD
4		86982443		1	SPECIAL BOLT
5		G109395		1	SELF-TAP SCREW
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
7		353-782		2	PLUG, Slotted, 1 1/16"-12
8		84288837		1	PISTON ROD/GLAND
9		446195A1		1	SEAL
10		87402621		1	O-RING
11		NSS		1	NOT SERVICED SEPARATELY, SEAL; Order 84259222 Seal Kit
12		D95146		1	WIPER SEAL
13		84153643		1	SEAL
14		84150048		1	GLAND
15		G109908		1	BUSHING
16		1542879C1		1	SEAL KIT, Rod and Buffer
17		84259222		1	SEAL KIT, Complete (Not Shown)

580SN WT
580SN

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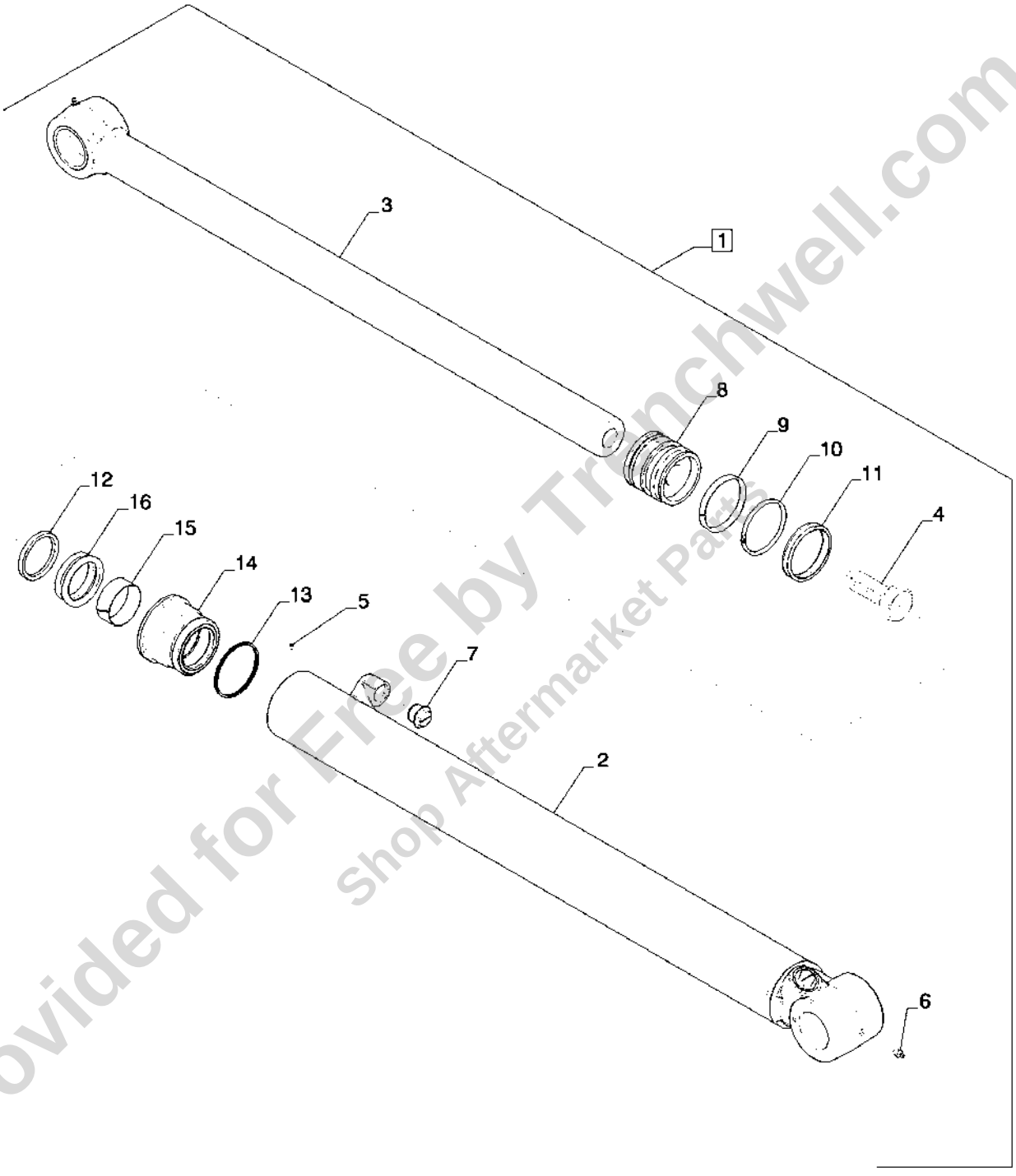
35.730.01	03	p1	02/12

CYLINDER - BACKHOE DIPPER (590SN)



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CYLINDER - BACKHOE DIPPER (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84302994		1	CYLINDER
2		84302991		1	BARREL
3		84233192		1	ROD
4		86982444		1	SPECIAL BOLT
5		G109395		1	SELF-TAP SCREW
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
7		353-782		2	PLUG, Slotted, 1 1/16"-12
8		84302986		1	PISTON
9		444640A1		1	WEAR RING
10		87402623		1	RING
11		87715790		1	SEAL
12		D95147		1	WIPER SEAL
13		87615486		1	SEAL
14		84233198		1	GLAND
15		252790A1		1	BEARING
16		1542880C1		1	PACKAGE
17		1980371C1		2	BUSHING, Rod Eye (Not Shown)
		84259223		1	SEAL KIT, Incl. Ref 9 - 13, 15, 16

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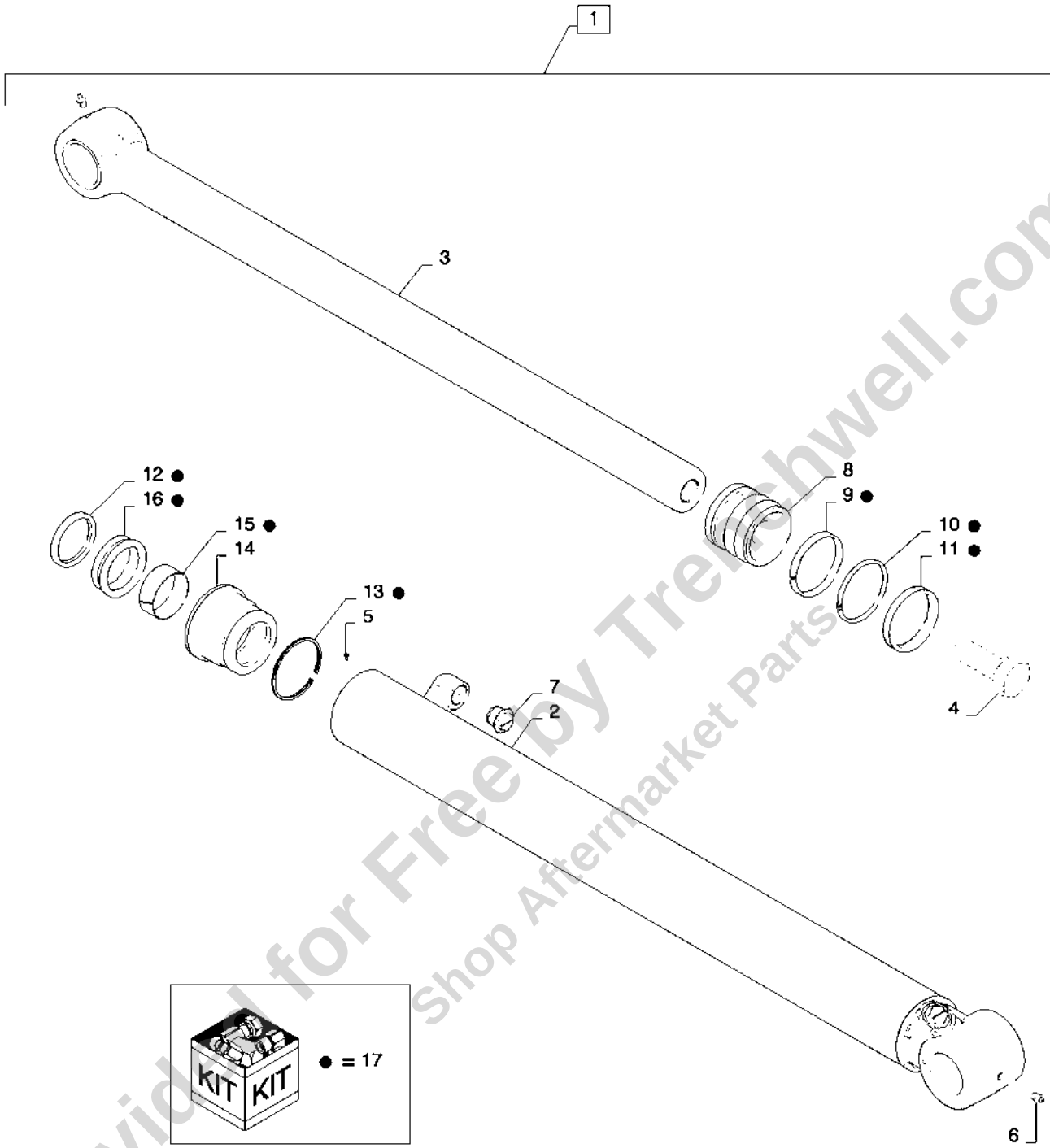
35.730.03	01	p1	10/11

CYLINDER - BACKHOE BOOM (580N)



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CYLINDER - BACKHOE BOOM (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84300143		1	CYLINDER
2		84300141		1	BARREL
3		84321897		1	ROD
4		86982443		1	SPECIAL BOLT
5		G109395		1	SELF-TAP SCREW
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
7		353-780		2	PLUG, Sltd Hd, 7/8"-14, w/O-Ring
8		84238796		1	PISTON ROD/GLAND
9		G101996		1	WEAR RING
10		182116A1		1	RING
11		NSS		1	NOT SERVICED SEPARATELY, Order 84259218 Seal Kit
12		D95145		1	SEAL
13		87615484		1	SEAL
14		84238794		1	GLAND
15		1346476C1		1	RING
16		1542877C1		1	SEAL KIT, Rod and Buffer
17		84259218		1	KIT, Seal; Incl. Ref 9, 10, 11, 12, 13, 15, 16

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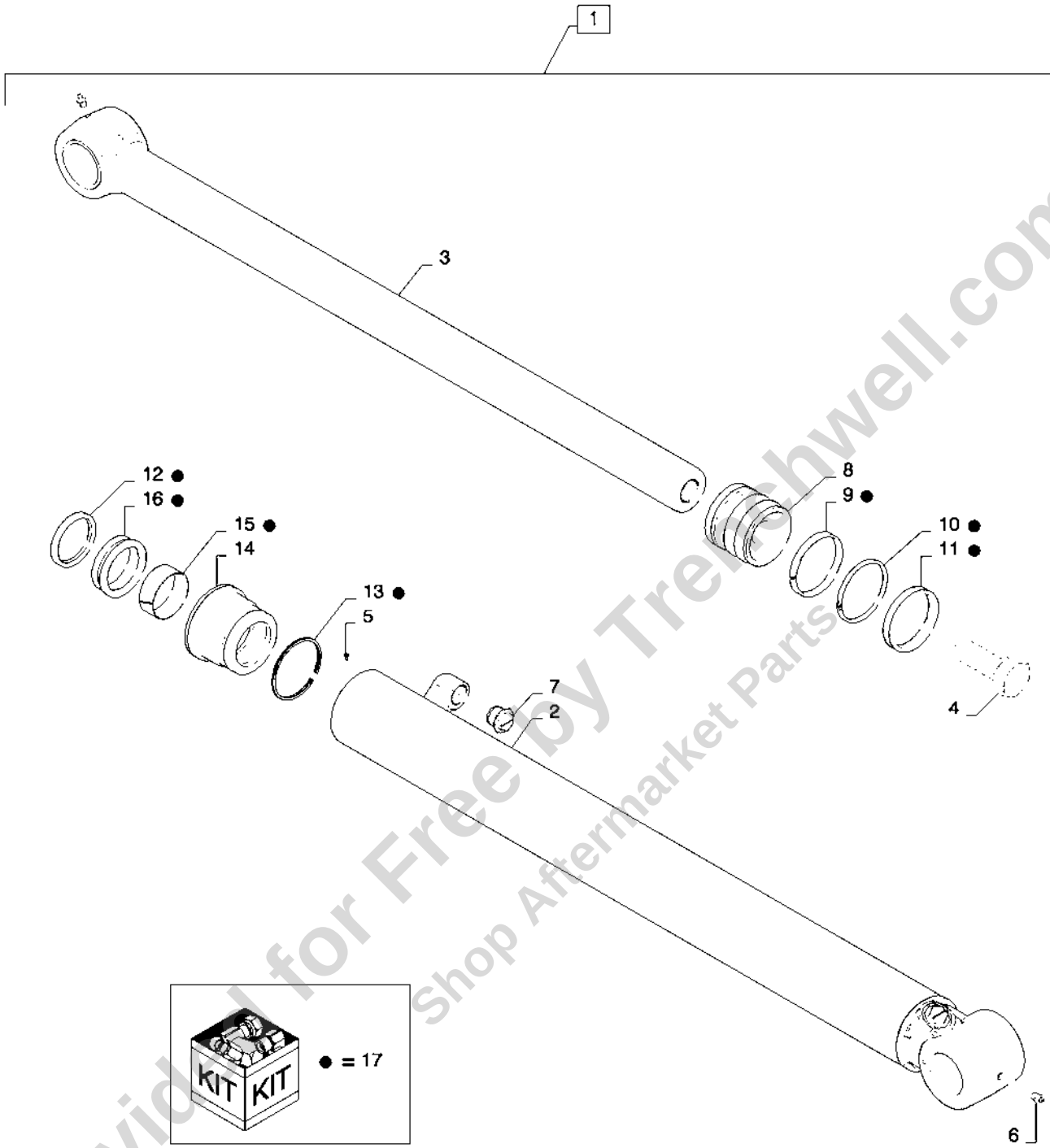
35.730.03	02	p1	10/11

CYLINDER - BACKHOE BOOM (580SN, 580SN WT)



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CYLINDER - BACKHOE BOOM (580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210929		1	CYLINDER
2		84204337		1	BARREL
3		84321895		1	ROD
4		86982443		1	SPECIAL BOLT
5		G109395		1	SELF-TAP SCREW
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
7		353-782		1	PLUG, Slotted, 1 1/16"-12
8		84204689		1	PISTON ROD/GLAND
9		G102090		1	RING
10		NSS		1	NOT SERVICED SEPARATELY, Order 84259219 Seal Kit
11		87715789		1	SEAL
12		D95146		1	WIPER SEAL
13		87615485		1	SEAL
14		84205602		1	GLAND
15		G109908		1	BUSHING
16		1542879C1		1	SEAL KIT, Rod and Buffer
17		84259219		1	KIT, Seal; Incl. Ref 9, 10, 11, 12, 13, 15, 16
18		353-780		1	PLUG, Sltd Hd, 7/8"-14, w/O-Ring, (Not Shown)

580SN WT
580SN

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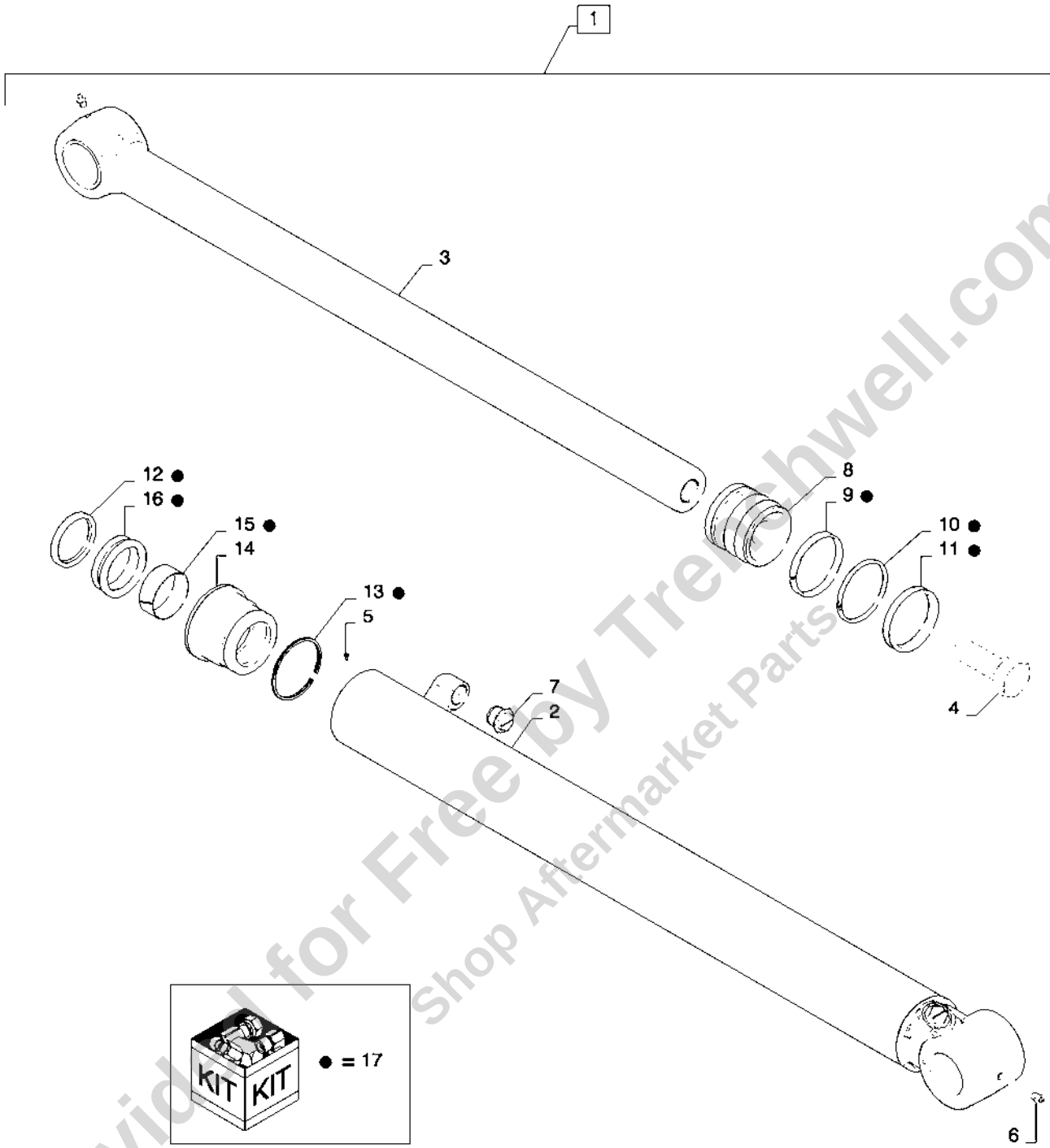
35.730.03	03	p1	10/11

CYLINDER - BACKHOE BOOM (590SN)



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CYLINDER - BACKHOE BOOM (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210930		1	CYLINDER
2		84205603		1	BARREL
3		84233180		1	ROD
4		86982444		1	SPECIAL BOLT
5		G109395		1	SELF-TAP SCREW
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
7		353-780		1	PLUG, Sltd Hd, 7/8"-14, w/O-Ring
8		84233187		1	PISTON ROD/GLAND
9		1980266C1		1	OIL SEAL
10		140968A1		1	RING
11		87715791		1	SEAL, 4 Piece Piston
12		D95147		1	WIPER SEAL
13		87615487		1	SEAL
14		84233185		1	GLAND
15		G102428		1	BEARING
16		1542880C1		1	PACKAGE
17		84259220		1	SEAL KIT, Incl. Ref 9, 10, 11, 12, 13, 15, 16
18		353-782		1	PLUG, Slotted, 1 1/16"-12, (Not Shown)

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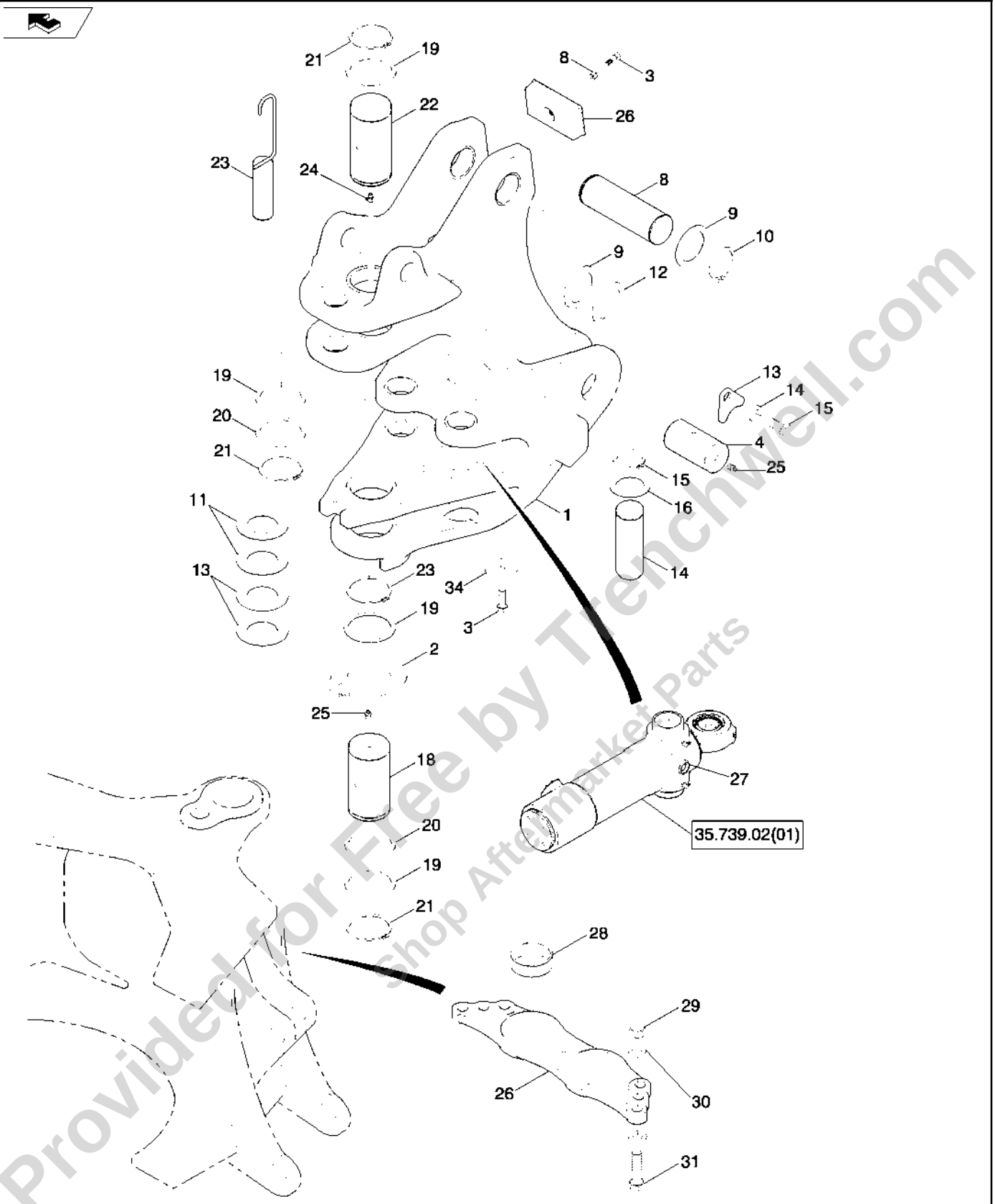
35.730.04	01	p1	03/12

BACKHOE - SWING TOWER AND SWING CYLINDERS (580N)



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BACKHOE - SWING TOWER AND SWING CYLINDERS (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84304025		1	TOWER, See Fig. 39.105.06
2		84246814		1	SPECIAL WASHER
3		711-10040		2	CARRIAGE BOLT, Short NK, M10 x 40, Cl8.8, Full Thd
4		84248744		2	PIN
5		84246323		2	RETAINER
6		NS		2	NOT SERVICED
7		84246776		2	PREV TORQUE BOLT
8		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
9		123318A1		4	WASHER
10		84224886		2	RING
11		84261891		2	SHIM
12		84255579		1	SHIM
13		84261890		2	SHIM
14		84261887		2	PIN
15		103-16200		2	SNAP RING, #200, Ext
16		495-81227		2	WASHER, 2 1/16" x 2 15/16" x .060"
17		84265979		2	SPECIAL WASHER
18		84249274		1	PIN
19		D144485		4	SHIM, 3.05mm Thk
20		D144486		2	SHIM, 1.57mm Thk
21		800-40080		4	SNAP RING, M80, Ext
22		84249275		1	PIN
23		384967A1		1	PIN ASSY.
24		219-55		1	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
25		219-1		3	LUBE NIPPLE, 1/8"-27 x .66 lg
26		84245639		1	BUMPER
26		84336208		1	BEAM
27		188027A2		2	CYLINDER ASSY.
28		114318A1		2	BUSHING
29		829-1420		6	NUT, M20, Cl 10
30		NS		12	NOT SERVICED
31		827-20075		6	BOLT, Hex, M20 x 75, 10.9, Full Thd

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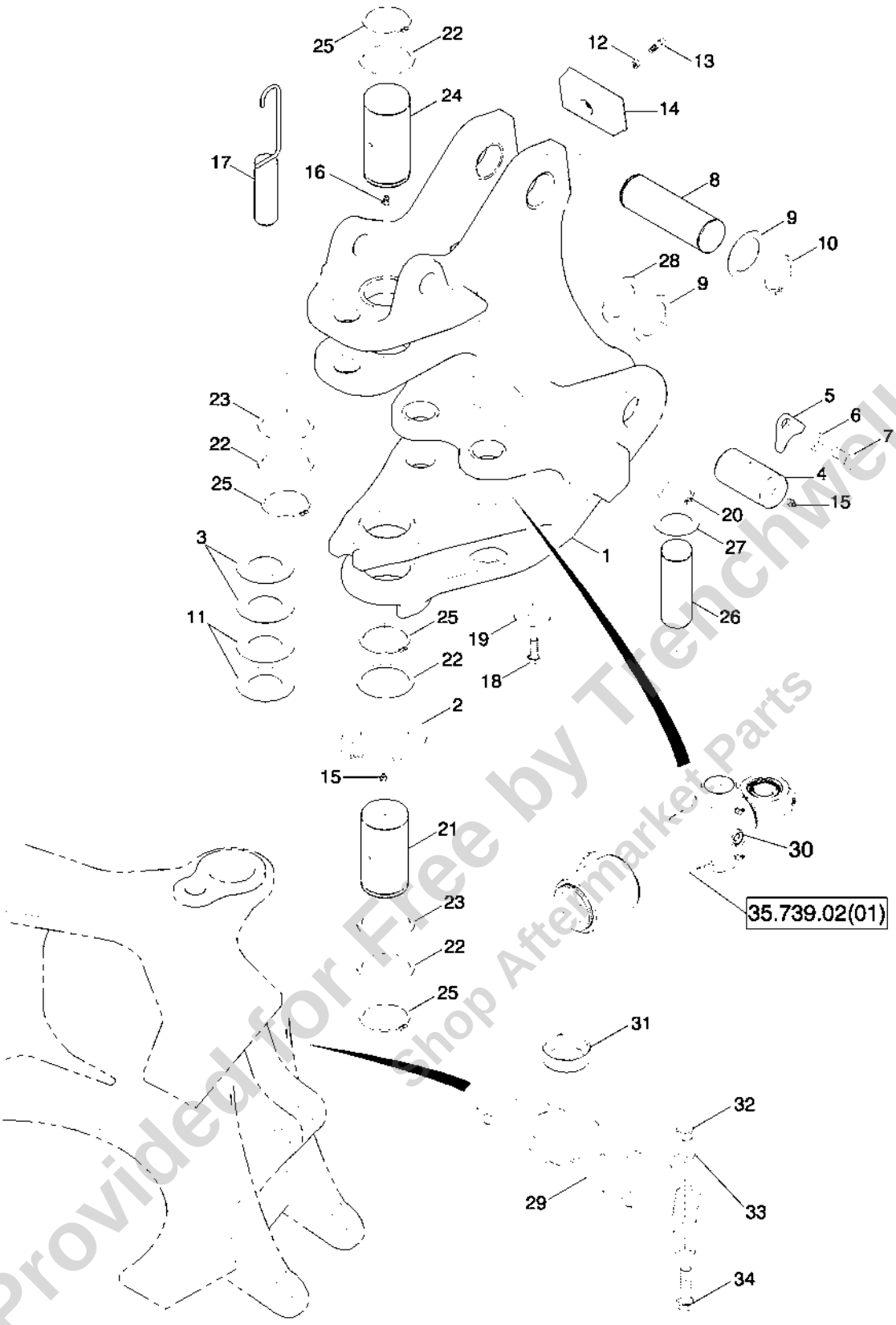
35.730.04	02	p1	05/11

BACKHOE - SWING TOWER AND SWING CYLINDERS (580SN AND 580SN WT)



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BACKHOE - SWING TOWER AND SWING CYLINDERS (580SN AND 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84304025		1	TOWER
2		84246814		1	SPECIAL WASHER
3		84261890		2	SHIM
4		84248744		2	PIN
5		84246323		2	RETAINER
6		NS		2	NOT SERVICED, Washer
7		84246776		2	PREV TORQUE BOLT
8		84217316		1	PIN
9		123318A1		4	WASHER
10		84224886		2	RING
11		84261891		2	SHIM
12		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
13		711-10040		1	CARRIAGE BOLT, Short NK, M10 x 40, Cl8.8, Full Thd
14		84245639		1	BUMPER
15		219-1		3	LUBE NIPPLE, 1/8"-27 x .66 lg
16		219-55		1	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
17		384967A1		1	PIN ASSY.
18		86566268		2	LOCK BOLT
19		84265979		2	SPECIAL WASHER
20		103-16200		2	SNAP RING, #200, Ext
21		84249274		1	PIN
22		D144485		4	SHIM, 3.05mm Thk
23		D144486		2	SHIM, 1.57mm Thk
24		84249275		1	PIN
25		800-40080		4	SNAP RING, M80, Ext
26		84261887		2	PIN
27		495-81227		2	WASHER, 2 1/16" x 2 15/16" x .060"
28		84255579		1	SHIM

580SN WT
580SN

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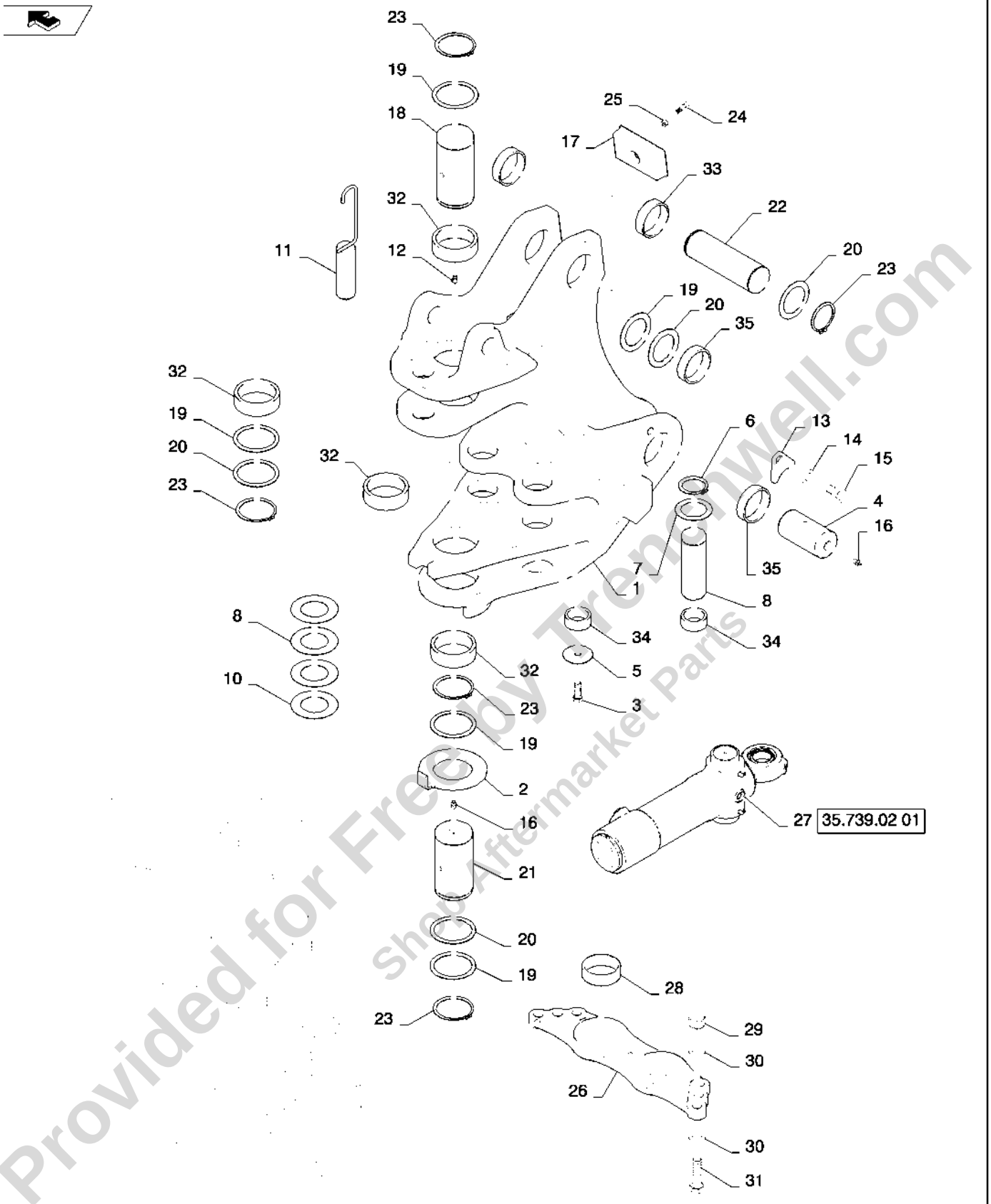
35.730.04	03	p1	08/11

BACKHOE - SWING TOWER AND SWING CYLINDERS (590SN)



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BACKHOE - SWING TOWER AND SWING CYLINDERS (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84304072		1	TOWER
2		84246814		1	SPECIAL WASHER
3		86566268		2	LOCK BOLT
4		84230831		2	PIN
5		84265979		2	SPECIAL WASHER
6		103-16200		2	SNAP RING, #200, Ext
7		495-81227		2	WASHER, 2 1/16" x 2 15/16" x .060"
8		84261887		2	PIN
9		84261890		2	SHIM
10		84261891		2	SHIM
11		84249358		1	PIN
12		219-55		1	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
13		84246323		2	RETAINER
14		NS		2	NOT SERVICED, Washer
15		84246776		2	PREV TORQUE BOLT
16		219-1		3	LUBE NIPPLE, 1/8"-27 x .66 lg
17		84245639		1	BUMPER
18		84246817		1	PIN
19		D144485		5	SHIM, 3.05mm Thk
20		D144486		6	SHIM, 1.57mm Thk
21		84246816		1	PIN
22		84247078		1	PIN
23		800-40080		6	SNAP RING, M80, Ext
24		711-10040		1	CARRIAGE BOLT, Short NK, M10 x 40, Cl8.8, Full Thd
25		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
26		84336208		1	BEAM
27		139808A2		2	HYDRAULIC CYLINDER
28		114318A1		2	BUSHING, 80
29		829-1420		6	NUT, M20, Cl 10
30		87655047		12	SPECIAL WASHER
31		827-20075		6	BOLT, Hex, M20 x 75, 10.9, Full Thd
32		84235607		4	BUSHING
33		84237677		2	BUSHING
34		135249A1		4	BUSHING

590SN

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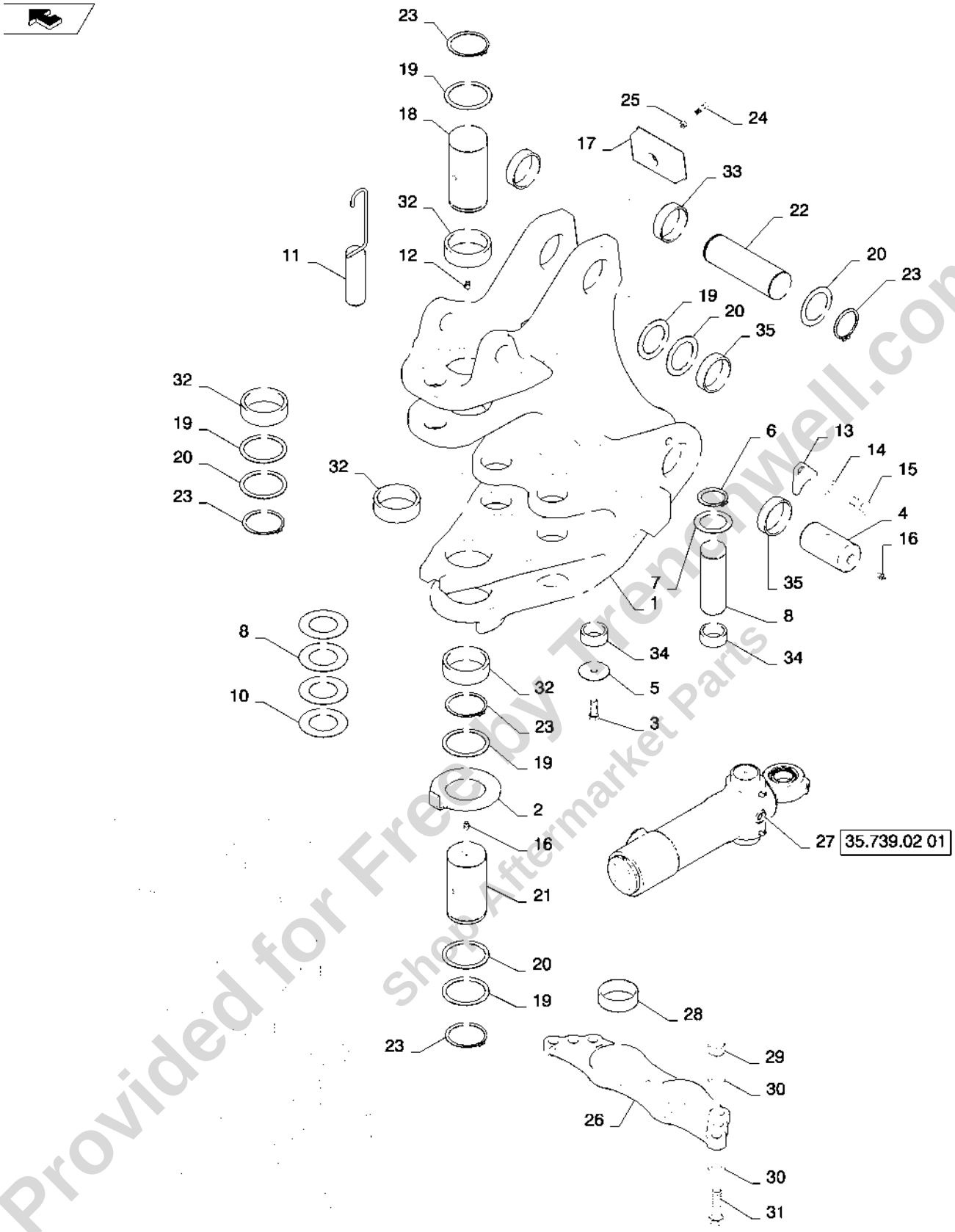
35.730.04	03	p2	08/11

BACKHOE - SWING TOWER AND SWING CYLINDERS (590SN)



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BACKHOE - SWING TOWER AND SWING CYLINDERS (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
35		84326989		4	BUSHING

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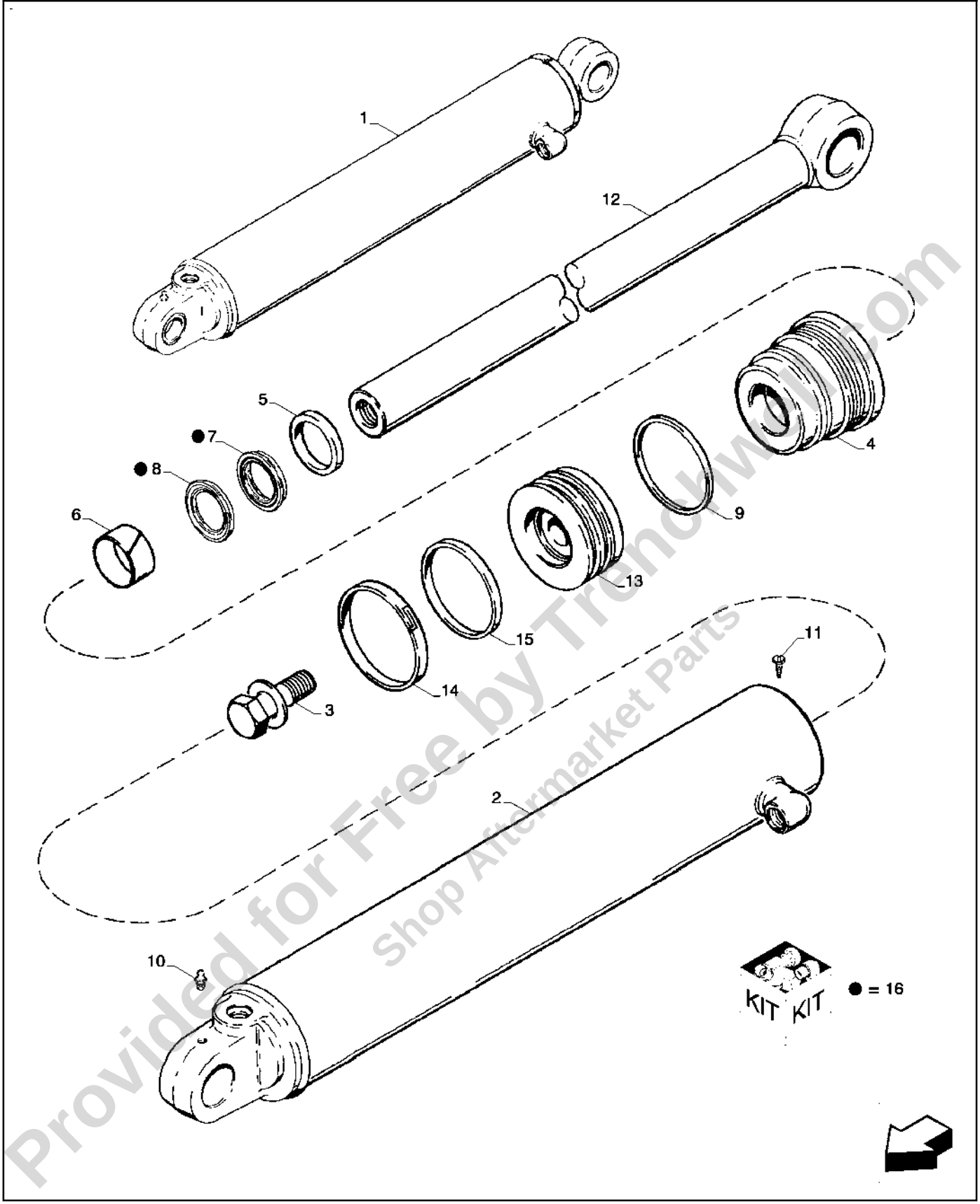
35.732.01	01	p1	03/11

CYLINDER - BACKHOE STABILIZER (580N)



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CYLINDER - BACKHOE STABILIZER (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210937		1	CYLINDER, Left Hand
1		84210946		1	CYLINDER, Right Hand
2		84241705		1	BARREL, Left Hand
2		84238640		1	BARREL, Right Hand
3		86982442		1	SPECIAL BOLT
4		84238804		1	GLAND
5		D95145		1	SEAL
6		1346476C1		1	RING
7		NSS		1	NOT SERVICED SEPARATELY
8		NSS		1	NOT SERVICED SEPARATELY
9		87615483		1	SEAL
10		219-1		1	LUBE NIPPLE, 1/8"-27 x .66 lg
11		G109395		1	SELF-TAP SCREW
12		84222154		1	ROD
13		84241703		1	PISTON ROD/GLAND
14		G110530		1	RING
15		87715786		1	SEAL
16		1542877C1		1	SEAL KIT, Inc. 7,8
17		84259226		1	SEAL KIT, Complete (Not Shown)

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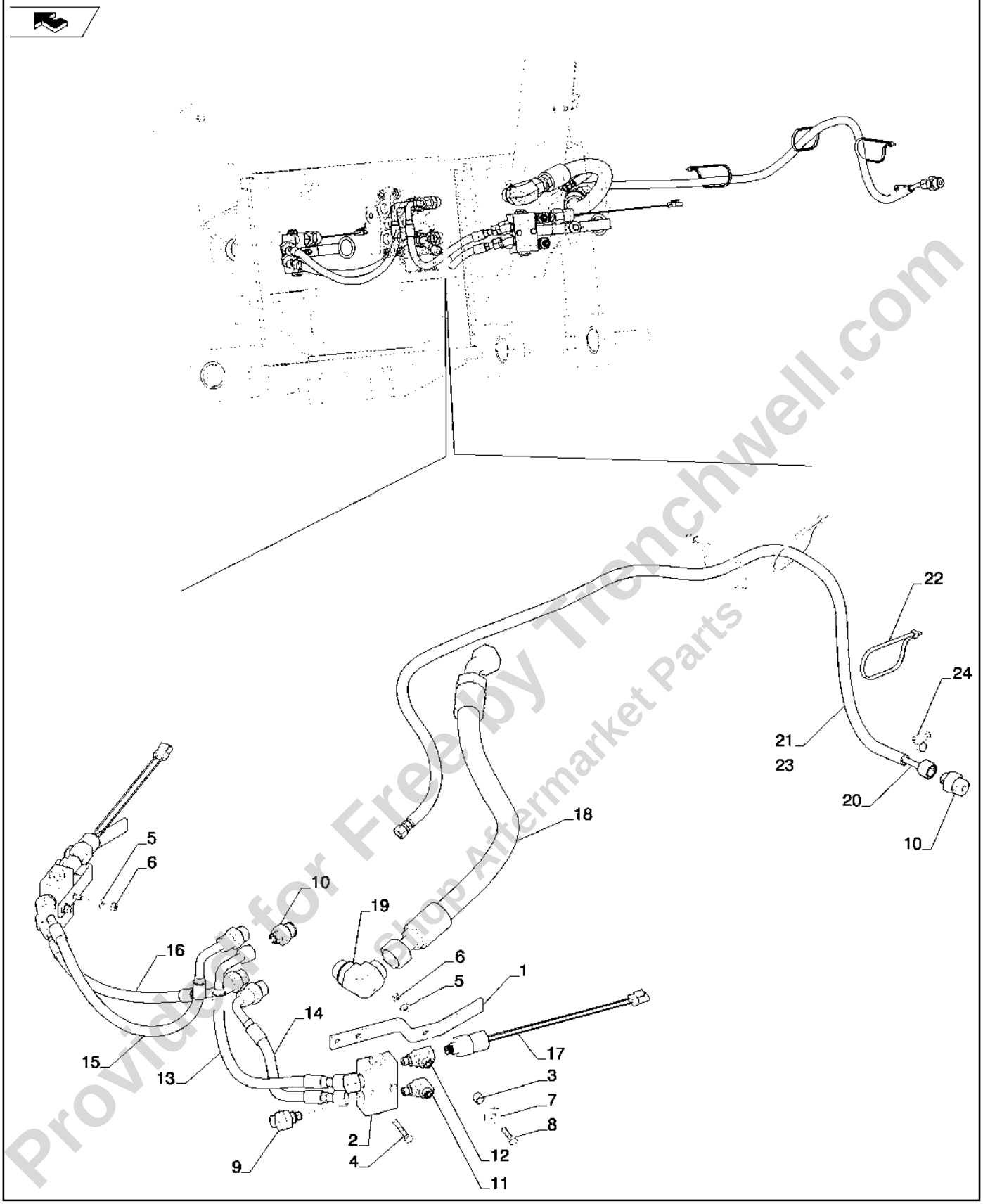
35.732.01	02	p1	03/11

HYDRAULICS - CHECK VALVE INSTALL, STABILIZER (580N)



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HYDRAULICS - CHECK VALVE INSTALL, STABILIZER (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87450318		2	BRACKET
2		85802820		2	CHECK VALVE
3		87437840		2	SPACER
4		814-8055		4	BOLT, Hex, M8 x 55, 8.8
5		87655042		6	SPECIAL WASHER
6		829-1408		6	NUT, M8, Cl 10
7		87687101		2	WASHER
8		814-8035		2	BOLT, Hex, M8 x 35, 8.8
9		201-321		4	ELBOW, 45º, 13/16"-16 x 9/16"-18. Adj, ORFS
10		87582906		5	HYD CONNECTOR
11		9840543		2	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
12		84253759		2	RUN TEE
13		84256418		1	HYD. TUBE
14		84256419		1	HYD. TUBE
15		84256420		1	HYD. TUBE
16		84256421		1	HYD. TUBE
17		87482634		2	PRESSURE SWITCH
18		84257104		1	HYD. TUBE
19		9846955		1	ELBOW
20		84325520		1	TUBE
21		84325529		1	HOSE
22		L18331		3	CABLE STRAP
23		NS		1	NOT SERVICED
24		214-1410		1	HOSE CLAMP, #10, 0.56/1.06 Type F Worm

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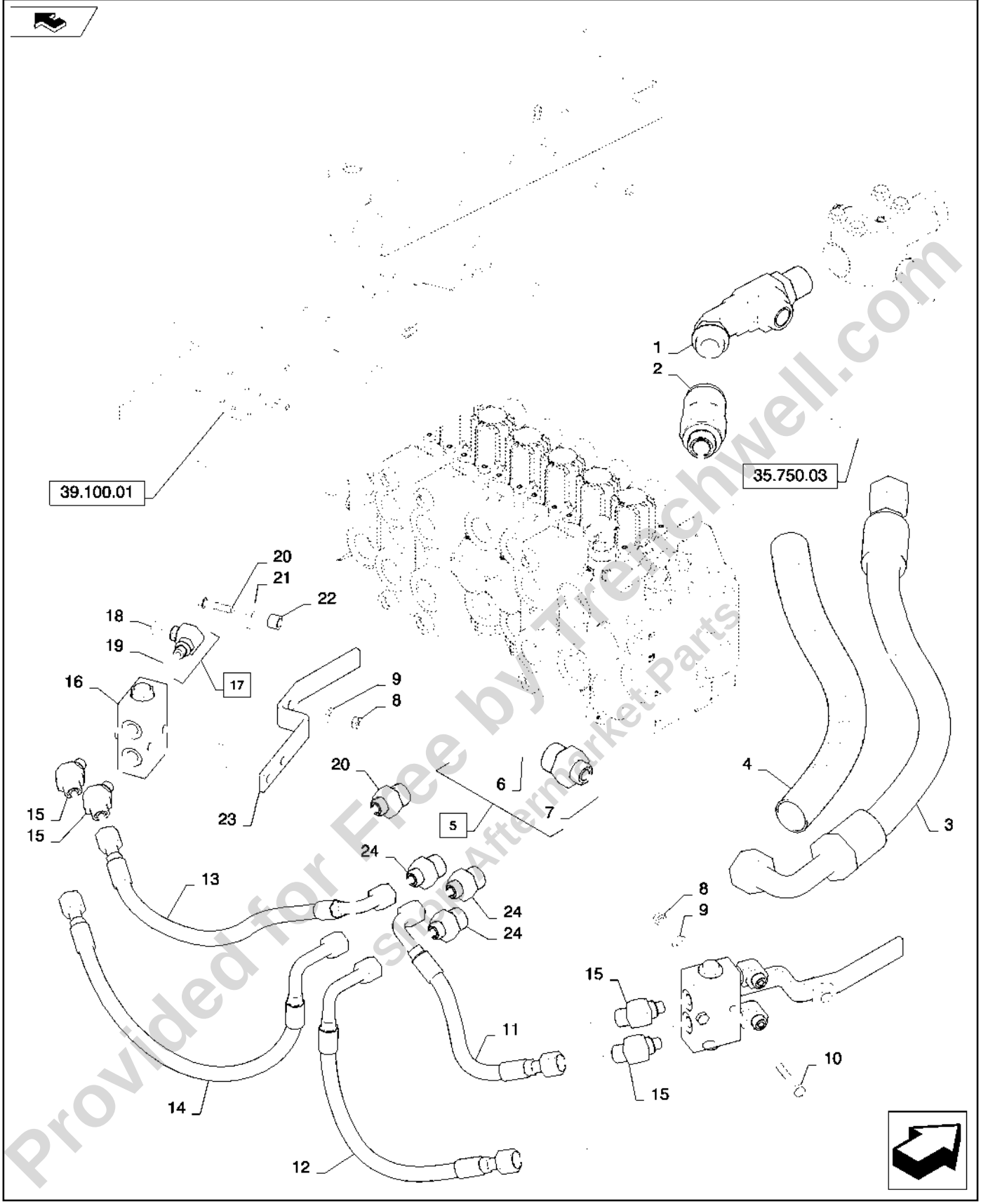
35.732.01	03	p1	02/12

HYDRAULICS - CHECK VALVE INSTALL, STABILIZER CYLINDERS (580SN, 580SN WT, 590SN)



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HYDRAULICS - CHECK VALVE INSTALL, STABILIZER CYLINDERS (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84256602		1	45 ELBOW
2		84377913		1	CHECK VALVE
3		87656501		1	HOSE PROTECTION, 340.00 mm ID x 540.00 mm
4		84257105		1	HYDRAULIC HOSE
5		9824055		1	HYD CONNECTOR, Assy, Contains 5A to 5B
5A		167268		1	O-RING, 1.171" ID x 0.116" Width
5B		9824050		1	O-RING, 0.926" ID x 1.066" OD x 0.07"
6		829-1408		6	NUT, M8, Cl 10
7		87655042		6	SPECIAL WASHER
8		814-8055		4	BOLT, Hex, M8 x 55, 8.8
9		84256419		1	HYD. TUBE
10		84256418		1	HYD. TUBE
11		84256421		1	HYD. TUBE
12		84256420		1	HYD. TUBE
13		201-321		4	ELBOW, 45º, 13/16"-16 x 9/16"-18. Adj, ORFS
14		85802820		2	CHECK VALVE, Assy, See 35.732.01 02
15		9840543		4	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS, Assy, Contains 15A to 15B
15A		9617873		1	O-RING, 0.468" ID x 0.078" Width
15B		9993141		1	O-RING, 0.364" ID x 0.504" OD x 0.07"
16		814-8035		2	BOLT, Hex, M8 x 35, 8.8
17		87687101		2	WASHER
18		87437840		2	SPACER
19		87450318		2	BRACKET
20		87582906		4	HYD CONNECTOR

580SN WT 590SN
580SN

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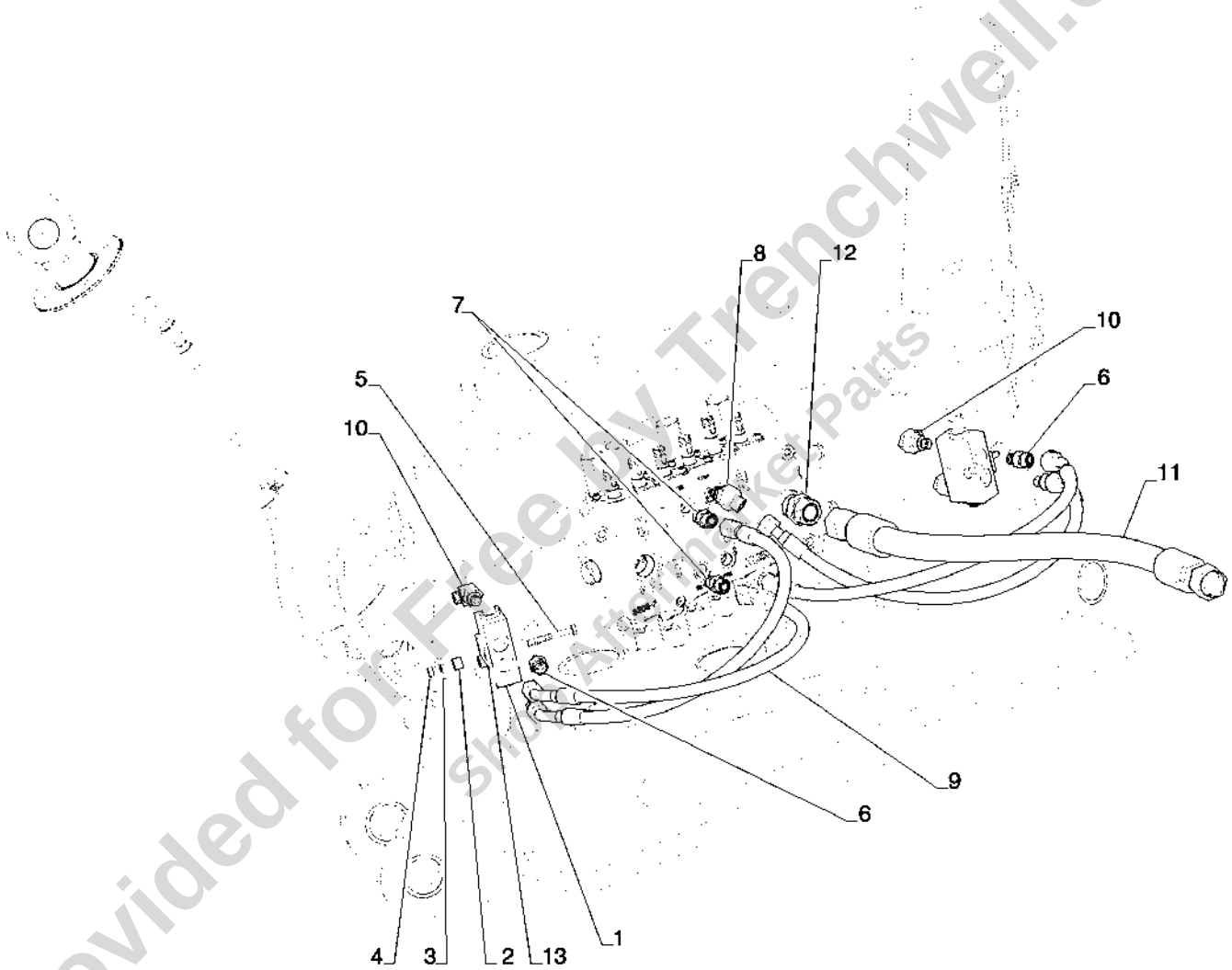
35.732.01	04	p1	11/10

HYDRAULICS - BACKHOE STABILIZER



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HYDRAULICS - BACKHOE STABILIZER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		85802820		2	CHECK VALVE
2		87437840		2	SPACER
3		87687101		2	WASHER
4		829-1408		2	NUT, M8, Cl 10
5		814-8065		2	BOLT, Hex, M8 x 65, 8.8
6		9992342		4	HYD CONNECTOR
7		9992305		3	HYD CONNECTOR, 13/16"-16 ORFS x 3/4"-16 ORB
8		201-348		1	ELBOW, 45º, 13/16"-16 x 3/4"-16. Adj, ORFS
9		84256813		4	HYD. TUBE
10		9840543		4	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
11		84257103		1	HYD. TUBE
12		9824055		1	HYD CONNECTOR
13		84321344		2	SPACER

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580N 580SN WT
590SN 580SN

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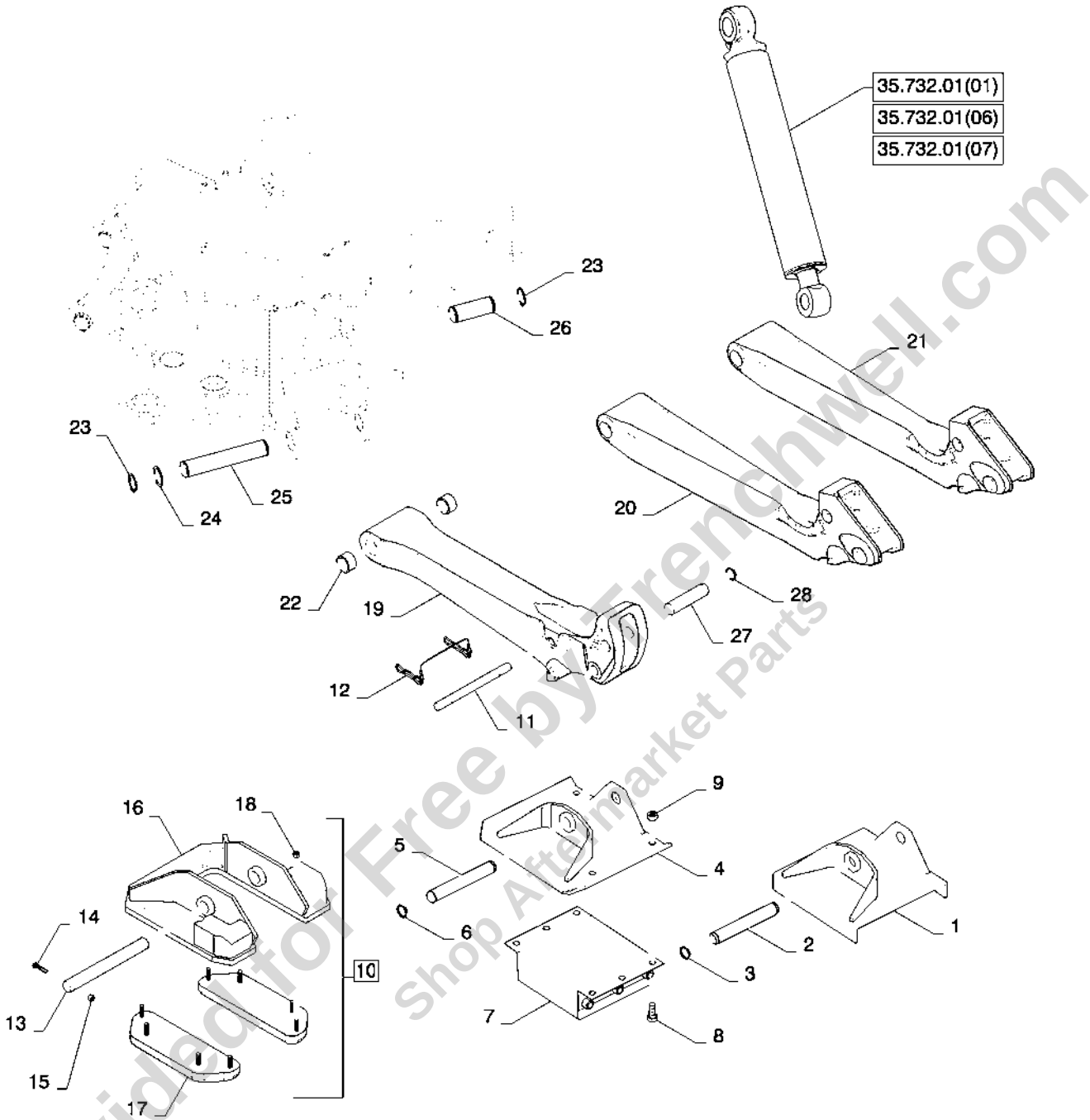
35.732.01	05	p1	01/12

STABILIZER PADS



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STABILIZER PADS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87456199		2	PAD
2		D28648		2	PIN
3		D25279		4	SNAP RING
4		87389813		2	PAD
5		D53812		2	PIVOT PIN
6		D25279		4	SNAP RING
7		D61368		2	PAD
8		413-1228		8	BOLT, Hex, 3/4"-10 x 1 3/4", G5
9		425-1012		8	NUT, 3/4"-10, G5
10		84290974		1	PAD, Inc. Ref 16 - 18, 580N, 580SN
10		84290975		1	PAD, Inc. Ref 16 - 18, 580SN WT, 590SN (Not Shown)
11		87436782		1	PIVOT PIN, 580N, 580SN
11		84290956		1	PIVOT PIN, 580SN WT, 590SN
12		446454A1		1	LOCK PIN
13		D149033		1	PIN
14		814-10050		2	BOLT, Hex, M10 x 50, 8.8
15		832-10410		2	LOCK NUT, M10 x 1.5, Cl 8
16		84290980		1	PAD, 580N, 580SN
16		84290984		1	PAD, 580SN WT, 590SN
17		84250576		2	PAD
18		832-41312		8	LOCK NUT, M12 x 1.75, Cl 10
19		84300023		1	STABILIZER, 580N, 580SN
20		84308123		1	STABILIZER, 580SN WT, 590SN
21		84226495		1	STABILIZER, 590SN, Cast
22		84229922		2	BUSHING
23		84233536		8	RING
24		84231927		8	SPACER
25		84243665		2	PIN
26		84243667		2	PIN
27		84243668		2	PIN
28		103-16175		4	SNAP RING, #175, Ext

580SN WT 590SN
580SN 580N

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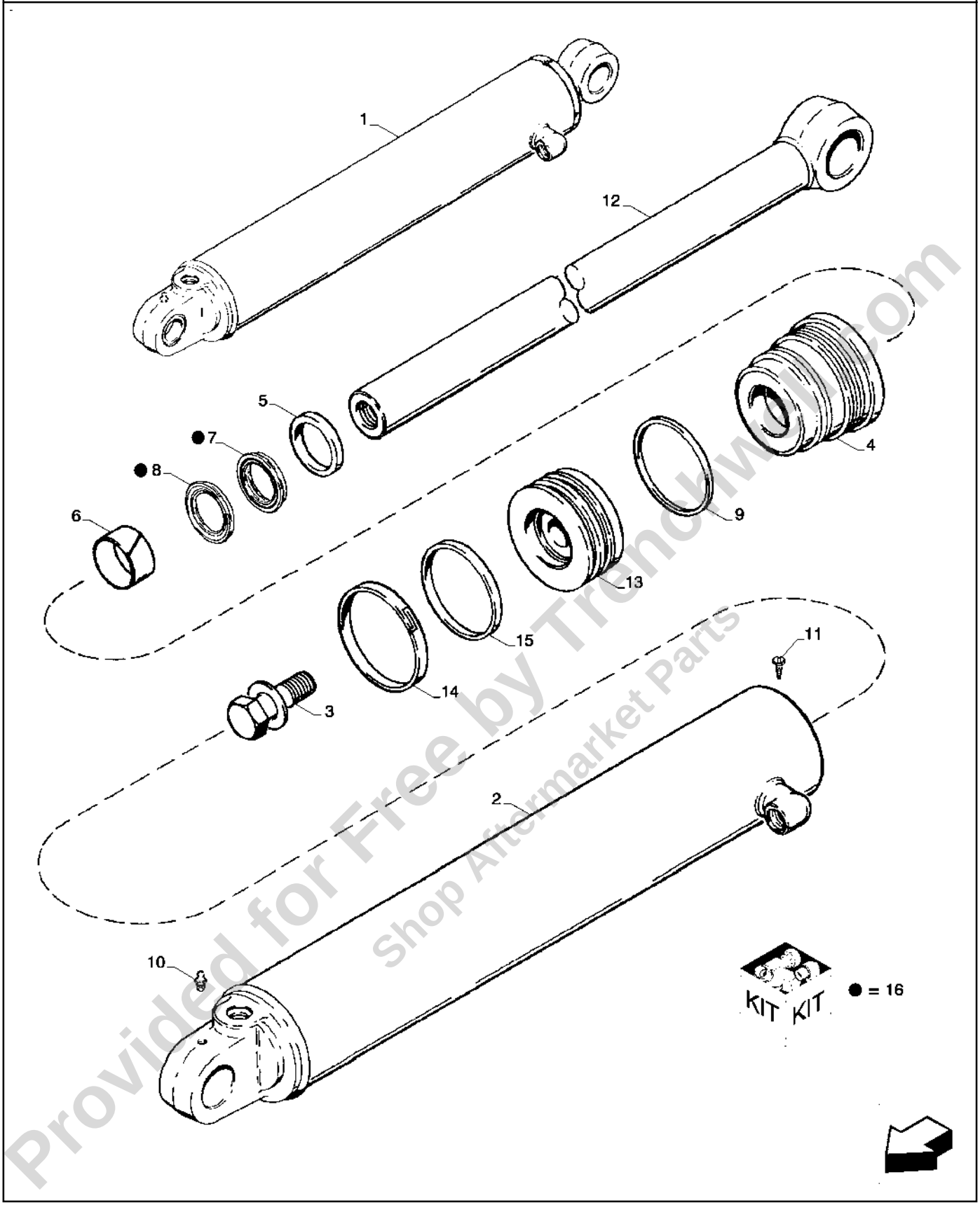
35.732.01	06	p1	05/11

CYLINDER - BACKHOE STABILIZER (580SN)



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CYLINDER - BACKHOE STABILIZER (580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210938		1	CYLINDER, Left Hand
1		84210947		1	CYLINDER, Right Hand
2		NS		1	NOT SERVICED, Tube
3		86982442		1	SPECIAL BOLT
4		84238794		1	GLAND
5		D95145		1	SEAL
6		1346476C1		1	RING
7		NSS		1	NOT SERVICED SEPARATELY, 114.3 Bore, 57.2 Rod (Order Kit 1542877C1)
8		NSS		1	NOT SERVICED SEPARATELY, 114.3 Bore, 57.2 Rod (Order Kit 1542877C1)
9		87615484		1	SEAL
10		219-1		1	LUBE NIPPLE, 1/8"-27 x .66 lg
11		G109395		1	SELF-TAP SCREW
12		84222154		1	ROD
13		84228260		1	PISTON ROD/GLAND
14		G101996		1	WEAR RING
15		87715787		1	SEAL
16		1542877C1		1	SEAL KIT
17		84259227		1	SEAL KIT, Complete (Not Shown)

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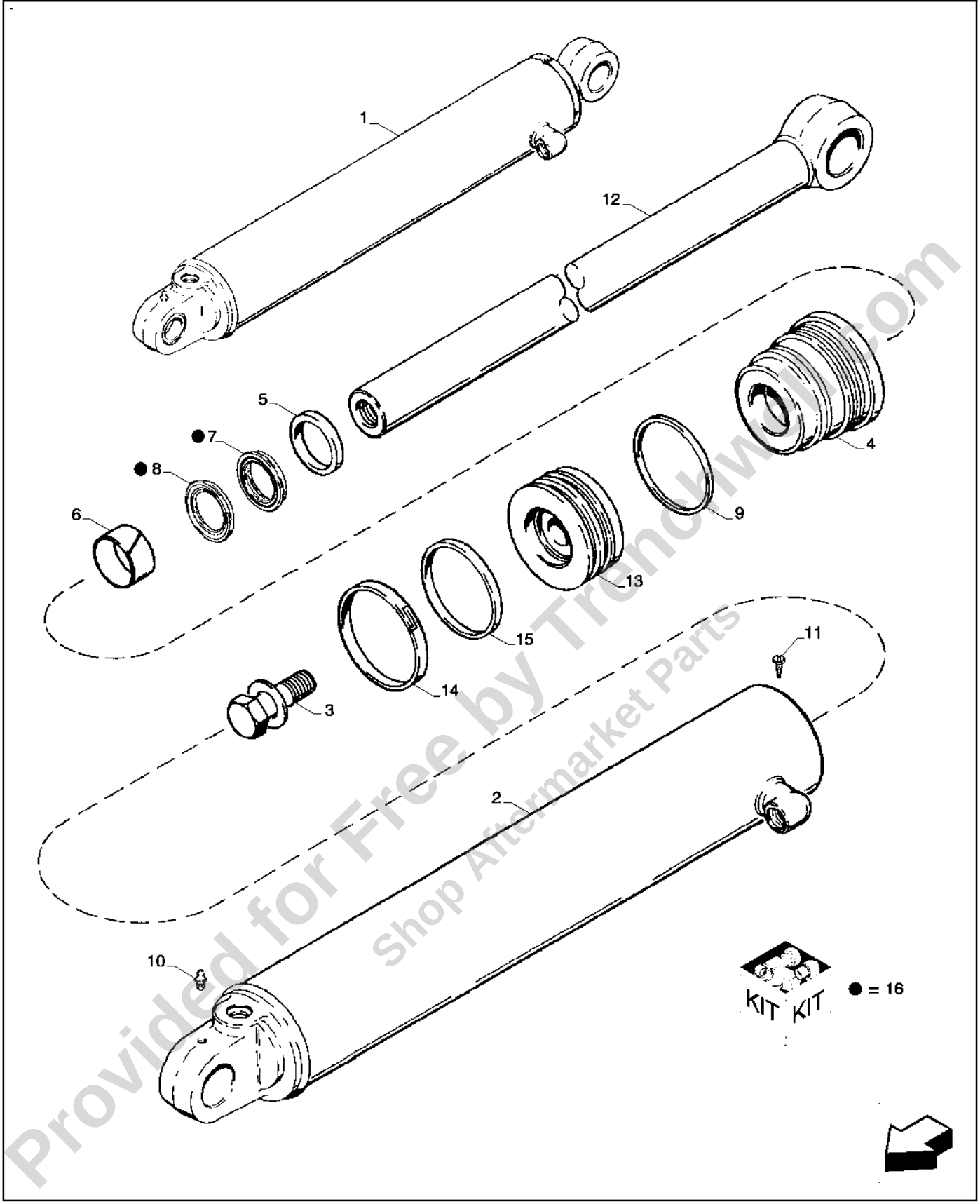
35.732.01	07	p1	11/11

CYLINDER - BACKHOE STABILIZER (580SN WT, 590SN)



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CYLINDER - BACKHOE STABILIZER (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84212184		1	CYLINDER, Left Hand
1		84210948		1	CYLINDER, Right Hand
2		84235028		1	HYD. TUBE, Left Hand Cylinder
2		84234099		1	HYD. TUBE, Right Hand Cylinder
3		86982443		1	SPECIAL BOLT
4		84234111		1	GLAND
5		D95146		1	WIPER SEAL
6		G102427		1	BUSHING
7		NSS		1	NOT SERVICED SEPARATELY, Order Kit 1542879C1
8		NSS		1	NOT SERVICED SEPARATELY, Order Kit 1542879C1
9		87615486		1	SEAL
10		219-1		1	LUBE NIPPLE, 1/8"-27 x .66 lg
11		G109395		1	SELF-TAP SCREW
12		84234101		1	ROD
13		84234107		1	PISTON ROD/GLAND
14		444640A1		1	WEAR RING
15		87715790		1	SEAL
16		1542879C1		1	SEAL KIT
17		84259228		1	SEAL KIT, Complete (Not Shown); Also Order G102427

580SN WT
590SN

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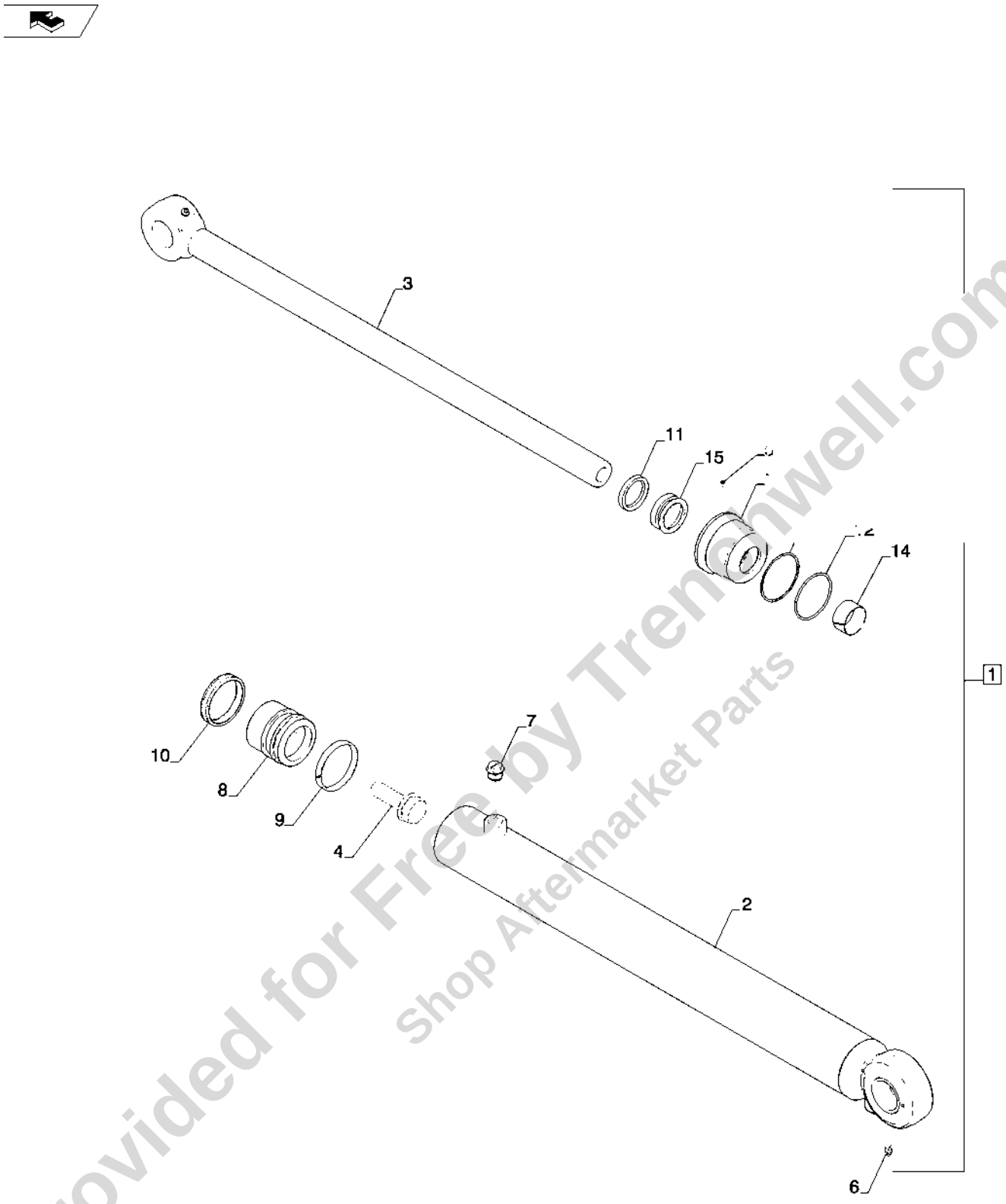
35.736.02		p1	03/11

CYLINDER - LOADER LIFT (580N)



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CYLINDER - LOADER LIFT (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210939		1	HYDRAULIC CYLINDER
2		84237692		1	TUBE
3		84237793		1	ROD
4		86982438		1	SPECIAL BOLT
5		G109395		1	SELF-TAP SCREW
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
7		353-780		2	PLUG, Sltd Hd, 7/8"-14, w/O-Ring
8		84237480		1	PISTON ROD/GLAND
9		S109445		1	RING
10		87715782		1	SEAL
11		D95143		1	SEAL
12		238-5233		1	O-RING, -233, 70 Duro, 2.859" ID x .139" Thk
13		84208516		1	GLAND
14		G102425		1	BUSHING
15		1542875C1		1	SEAL KIT
16		G32122		1	RING

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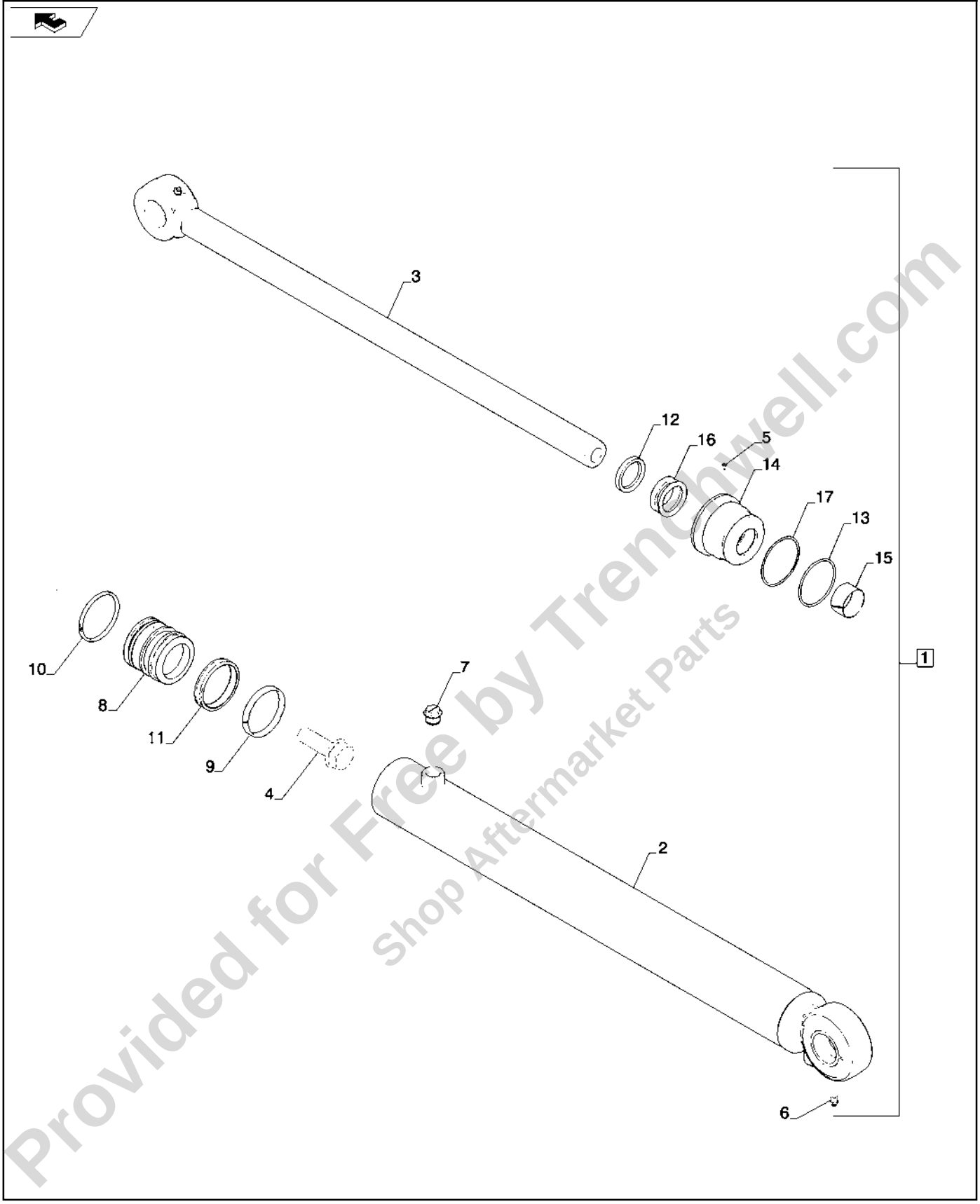
35.736.03		p1	03/11

CYLINDER - LOADER LIFT (580SN)



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CYLINDER - LOADER LIFT (580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84224057		1	HYDRAULIC CYLINDER
2		84243715		1	TUBE
3		84237793		1	ROD
4		86982438		1	SPECIAL BOLT
5		G109395		1	SELF-TAP SCREW
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
7		353-780		2	PLUG, Sltd Hd, 7/8"-14, w/O-Ring
8		84237866		1	PISTON ROD/GLAND
9		S109445		1	RING
10		192330A1		1	OIL SEAL
11		87715782		1	SEAL
12		D95143		1	SEAL
13		238-5233		1	O-RING, -233, 70 Duro, 2.859" ID x .139" Thk
14		84208516		1	GLAND
15		G102425		1	BUSHING
16		1542875C1		1	SEAL KIT
17		G32122		1	RING
18		84257323		1	SEAL KIT, Complete (Not Shown)

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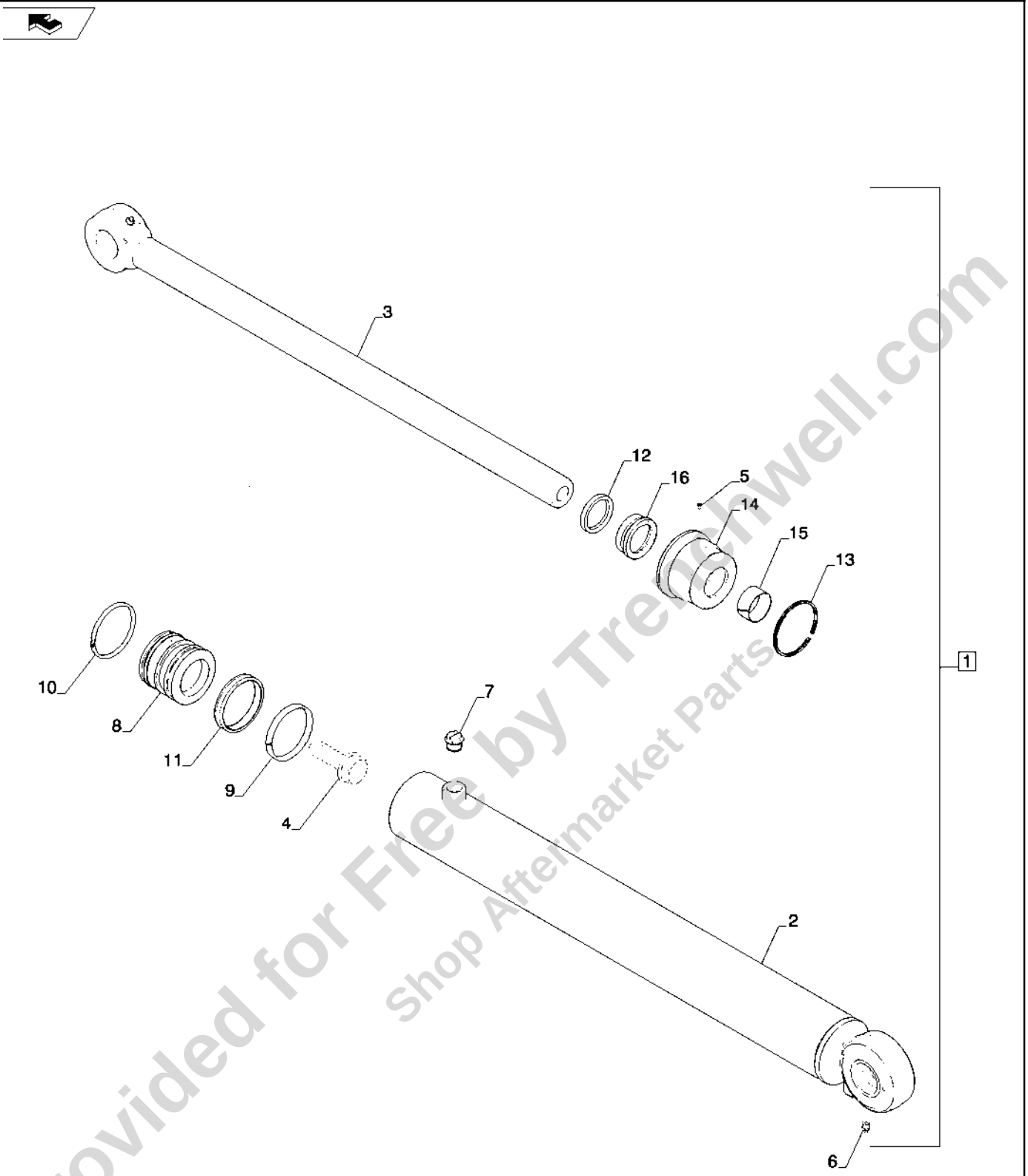
35.736.04		p1	03/11

CYLINDER - LOADER LIFT (580SN WT, 590SN)



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CYLINDER - LOADER LIFT (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210940		1	CYLINDER
2		84238629		1	TUBE
3		84238632		1	ROD
4		86982438		1	SPECIAL BOLT
5		G109395		1	SELF-TAP SCREW
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
7		353-780		2	PLUG, Sltd Hd, 7/8"-14, w/O-Ring
8		84238638		1	PISTON
9		G100711		1	WEAR RING
10		238799A1		1	SEAL
11		87715783		1	SEAL
12		G103481		1	WIPER
13		84130482		1	SEAL
14		84238636		1	GLAND
15		G103482		1	BEARING
16		84212408		1	SEAL PACKAGE, Rod and Buffer
17		84258339		1	SEAL KIT, Complete (Not Shown)

580SN WT
590SN

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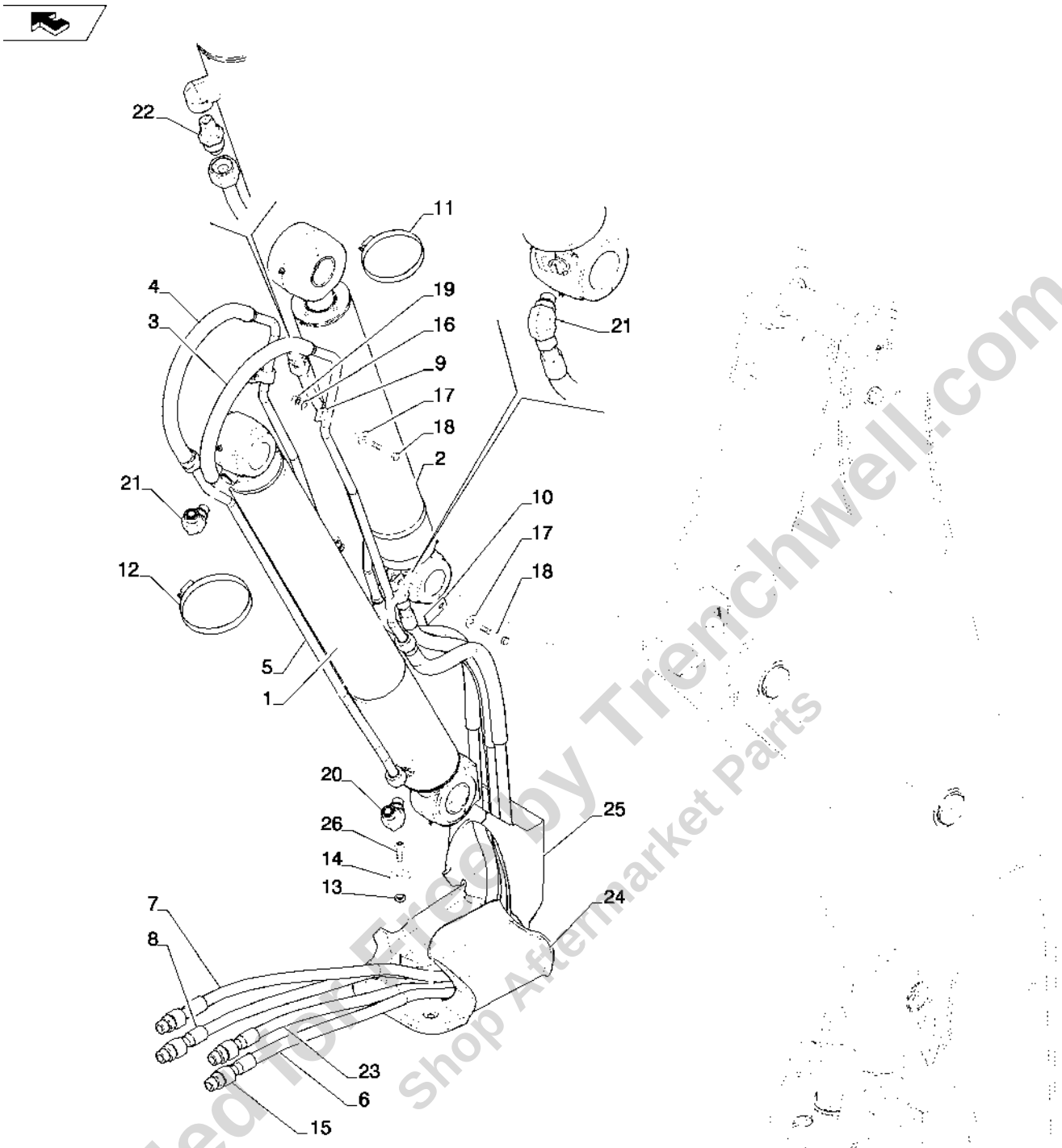
35.737.01	01	p1	11/11

HYDRAULICS - BOOM INSTALL (580N)



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HYDRAULICS - BOOM INSTALL (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84300143		1	CYLINDER, Boom
2		84290402		1	CYLINDER, Dipper
3		84257628		1	HYD. TUBE, Boom Cylinder Head End
4		84280749		1	HYD. TUBE, Boom Cylinder Rod End
5		84257622		1	HYD. TUBE, Boom Cylinder Rod End
6		84257621		1	HYDRAULIC HOSE, Dipper Cylinder Head End; Green
7		84257632		1	HYDRAULIC HOSE, Boom Cylinder Head End; Orange
8		84263635		1	HYDRAULIC HOSE, Boom Cylinder Rod End; Yellow
9		84367726		4	CLAMP
10		84259030		2	SPACER
11		214-3188		2	HOSE CLAMP, 4.75/5.625 HD Worm
12		214-3196		2	HOSE CLAMP, 5.25/6.125 HD Worm
13		84286039		2	SPACER
14		9511052		2	WASHER, M12 x 44 x 4
15		9840535		4	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
16		87655046		4	SPECIAL WASHER
17		87687101		4	WASHER
18		120071		4	BOLT, Hex, M10 x 65, 8.8
19		412141		4	LOCK NUT, M10 x 1.5, Cl 8
20		87656136		1	HYD CONNECTOR
21		87675522		2	ELBOW
22		9840534		1	HYD CONNECTOR, 1 3/16"-12 ORFS x 7/8"-14 ORB
23		84287836		1	HYD. TUBE, Dipper Cylinder Rod End; Blue
24		84303525		1	GUARD
25		84303528		1	GUARD
26		84299393		2	HEX SOC SCREW

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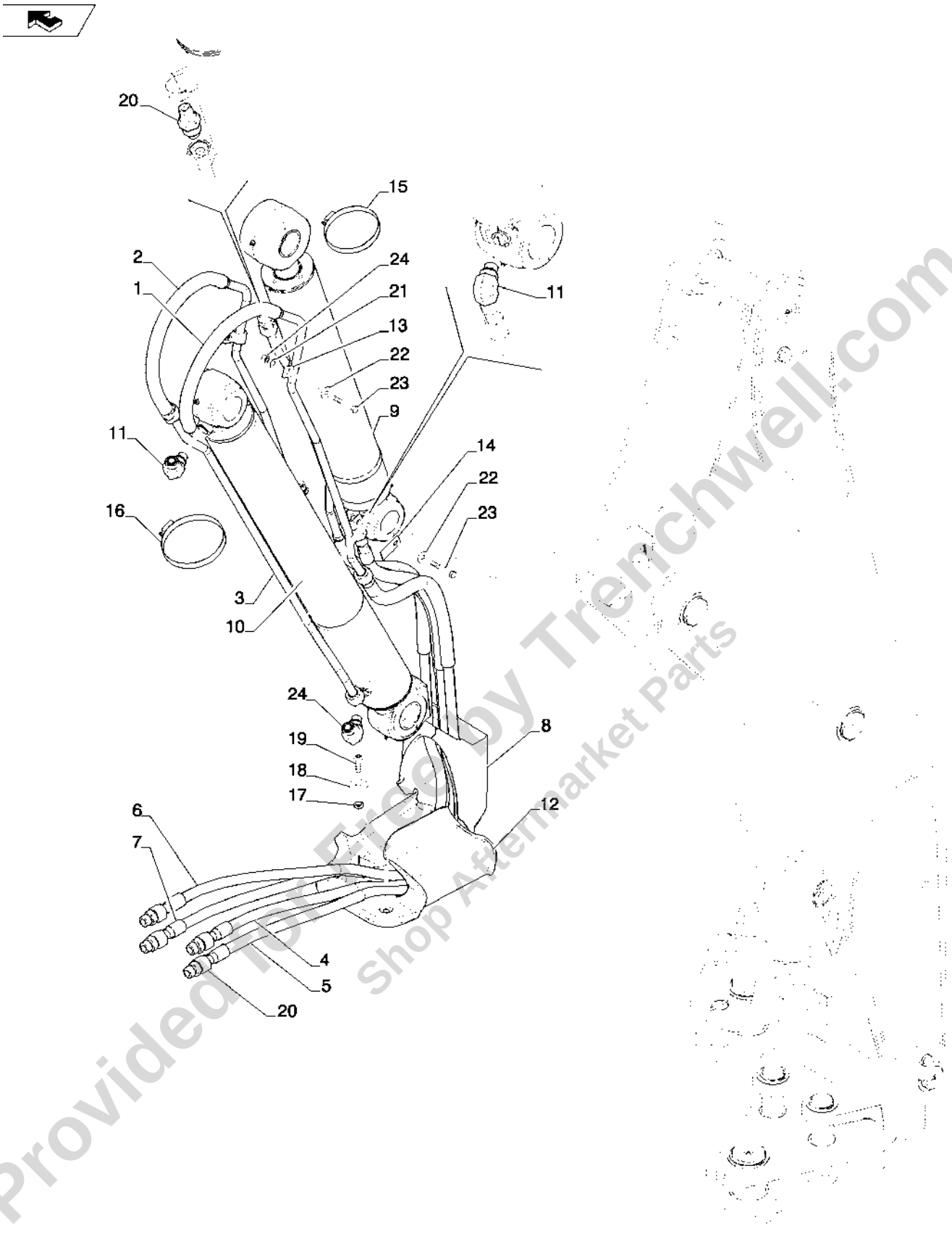
35.737.01	02	p1	11/11

HYDRAULICS - BOOM INSTALL (580SN, 580SN WT)



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HYDRAULICS - BOOM INSTALL (580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84257628		1	HYD. TUBE, Boom Cylinder Head End
2		84280749		1	HYD. TUBE, Boom Cylinder Rod End
3		84257622		1	HYD. TUBE, Boom Cylinder Rod End
4		84287836		1	HYD. TUBE, Dipper Cylinder Rod End; Blue
5		84257621		1	HYDRAULIC HOSE, Dipper Cylinder Head End; Green
6		84257632		1	HYDRAULIC HOSE, Boom Cylinder Head End; Orange
7		84263635		1	HYDRAULIC HOSE, Boom Cylinder Rod End; Yellow
8		84303528		1	GUARD
9		84288848		1	CYLINDER, Dipper
10		84210929		1	CYLINDER, Boom
11		201-341		2	ELBOW, 90º, 1"-14 x 1 1/16"-12, Adj, ORFS
12		84303525		1	GUARD
13		84367726		4	CLAMP
14		84259030		2	SPACER
15		214-1496		2	HOSE CLAMP, #96, 5.56/6.50 Type F Worm, W/liner
16		214-31104		2	HOSE CLAMP, 5.75/6.625 HD Worm
17		84286039		2	SPACER
18		9511052		2	WASHER, M12 x 44 x 4
19		84299393		2	HEX SOC SCREW
20		9840535		5	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
21		87655046		4	SPECIAL WASHER
22		87687101		4	WASHER
23		120071		4	BOLT, Hex, M10 x 65, 8.8
24		412141		4	LOCK NUT, M10 x 1.5, Cl 8
25		87656136		1	HYD CONNECTOR

580SN WT
580SN

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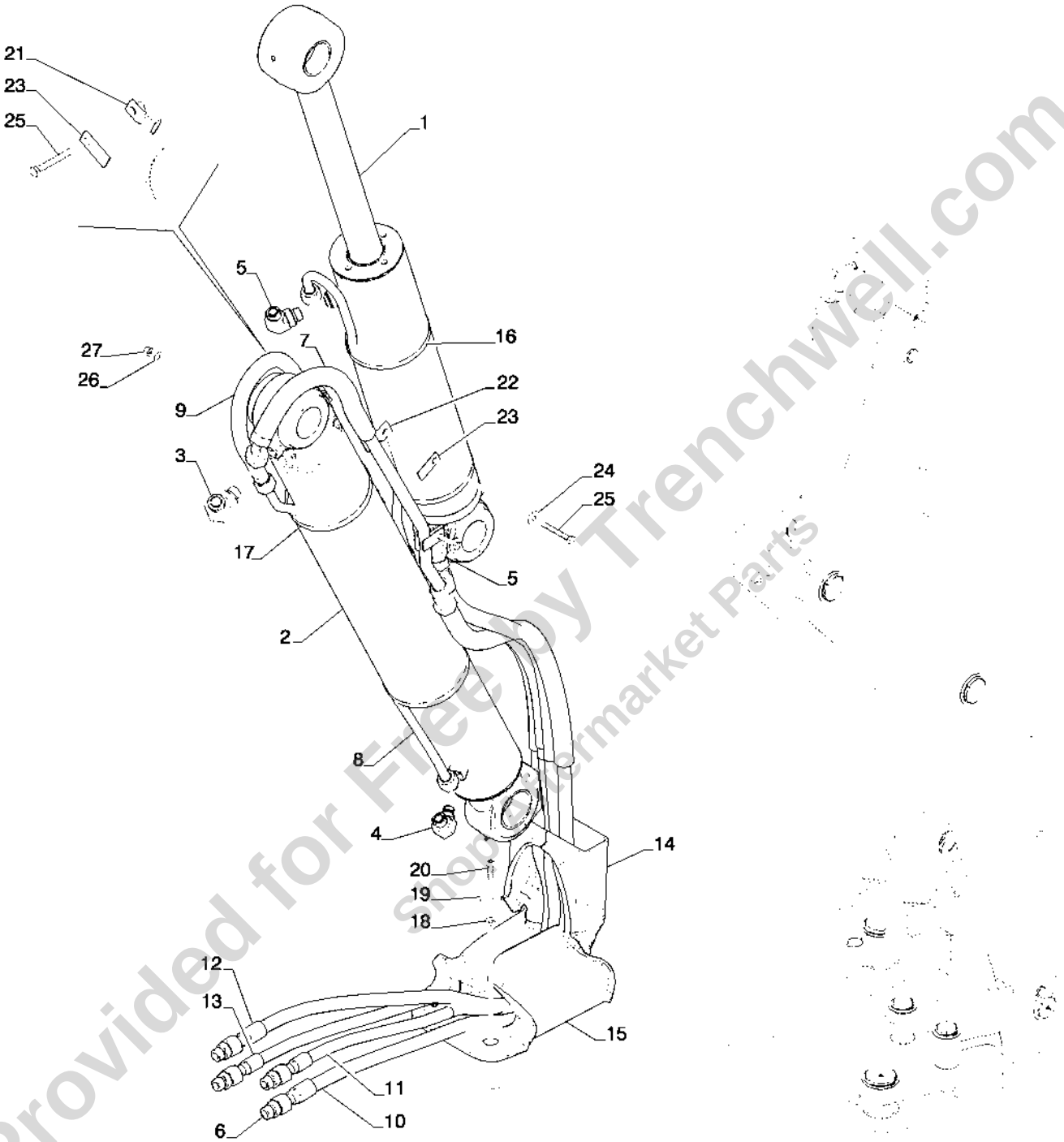
35.737.01	03	p1	11/11

HYDRAULICS - BOOM INSTALL (590SN)



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HYDRAULICS - BOOM INSTALL (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84302994		1	CYLINDER, Dipper
2		84210930		1	CYLINDER, Boom
3		9846956		1	ELBOW, 90º, 1 7/16"-12 x 1 1/16"-12, Adj, ORFS
4		87656136		1	HYD CONNECTOR
5		9846848		2	90 ELBOW, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
6		9840535		4	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
7		84276922		1	HYD. TUBE, Boom Cylinder Head End
8		84276920		1	HYD. TUBE, Boom Cylinder Rod End
9		84276924		1	HYD. TUBE, Boom Cylinder Rod End
10		84281984		1	HYDRAULIC HOSE, Dipper Cylinder Head End; Green
11		84323406		1	HYD. TUBE, Dipper Cylinder Rod End; Blue
12		84281986		1	HYDRAULIC HOSE, Boom Cylinder Head End; Orange
13		84263823		1	HYDRAULIC HOSE, Boom Cylinder Rod End; Yellow
14		84303527		1	GUARD
15		84303525		1	GUARD
16		214-1496		2	HOSE CLAMP, #96, 5.56/6.50 Type F Worm, W/liner
17		214-31112		2	HOSE CLAMP, 6.25/7.125 HD Worm
18		84286039		2	SPACER
19		9511052		2	WASHER, M12 x 44 x 4
20		84299393		2	HEX SOC SCREW
21		84367726		2	CLAMP
22		242459A1		2	SHIN
23		84259030		4	SPACER
24		87687101		4	WASHER
25		120073		4	BOLT, Hex, M10 x 80, 8.8
26		87655046		4	SPECIAL WASHER
27		412141		4	LOCK NUT, M10 x 1.5, Cl 8

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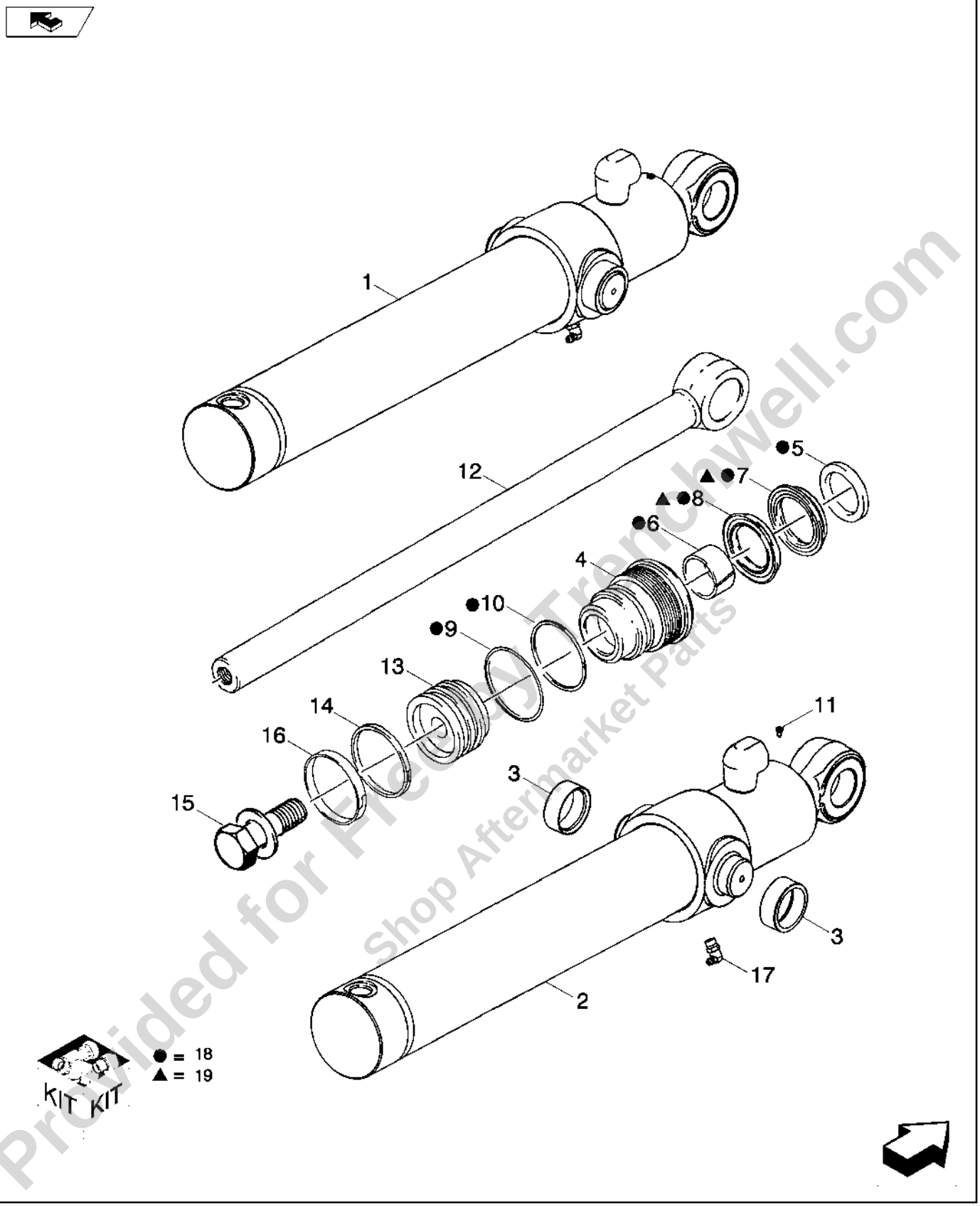
35.738.01	01	p1	05/11

CYLINDER - LOADER BUCKET (580N)



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CYLINDER - LOADER BUCKET (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84224079		1	HYDRAULIC CYLINDER, 76 ID x 522 mm strk; Loader Bucket; Incl. Ref 2- 18
2		84238609		1	TUBE, Incl Ref 3
3		G108512		2	BUSHING
4		84237948		1	GLAND
5		D95142		1	SEAL, Wiper
6		G102424		1	BUSHING
7		NSS		1	NOT SERVICED SEPARATELY, SEAL Rod; Order 18
8		NSS		1	NOT SERVICED SEPARATELY, SEAL Buffer; Order 18
9		238-5231		1	O-RING, -231, 70 Duro, 2.609" ID x .139" Thk
10		G109298		1	RING
11		G109395		1	SELF-TAP SCREW
12		84237943		1	ROD, 38 mm (1-1/2 in) dia
13		84237953		1	PISTON ROD/GLAND
14		87715781		1	SEAL
15		86982435		1	SPECIAL BOLT, Includes Washer
16		G100449		1	WEAR RING
17		219-55		1	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
18		1543256C1		1	SEAL KIT, Inc 5 - 10, 14, 16
19		1542874C1		1	SEAL KIT, Rod and Buffer; Inc 7,8

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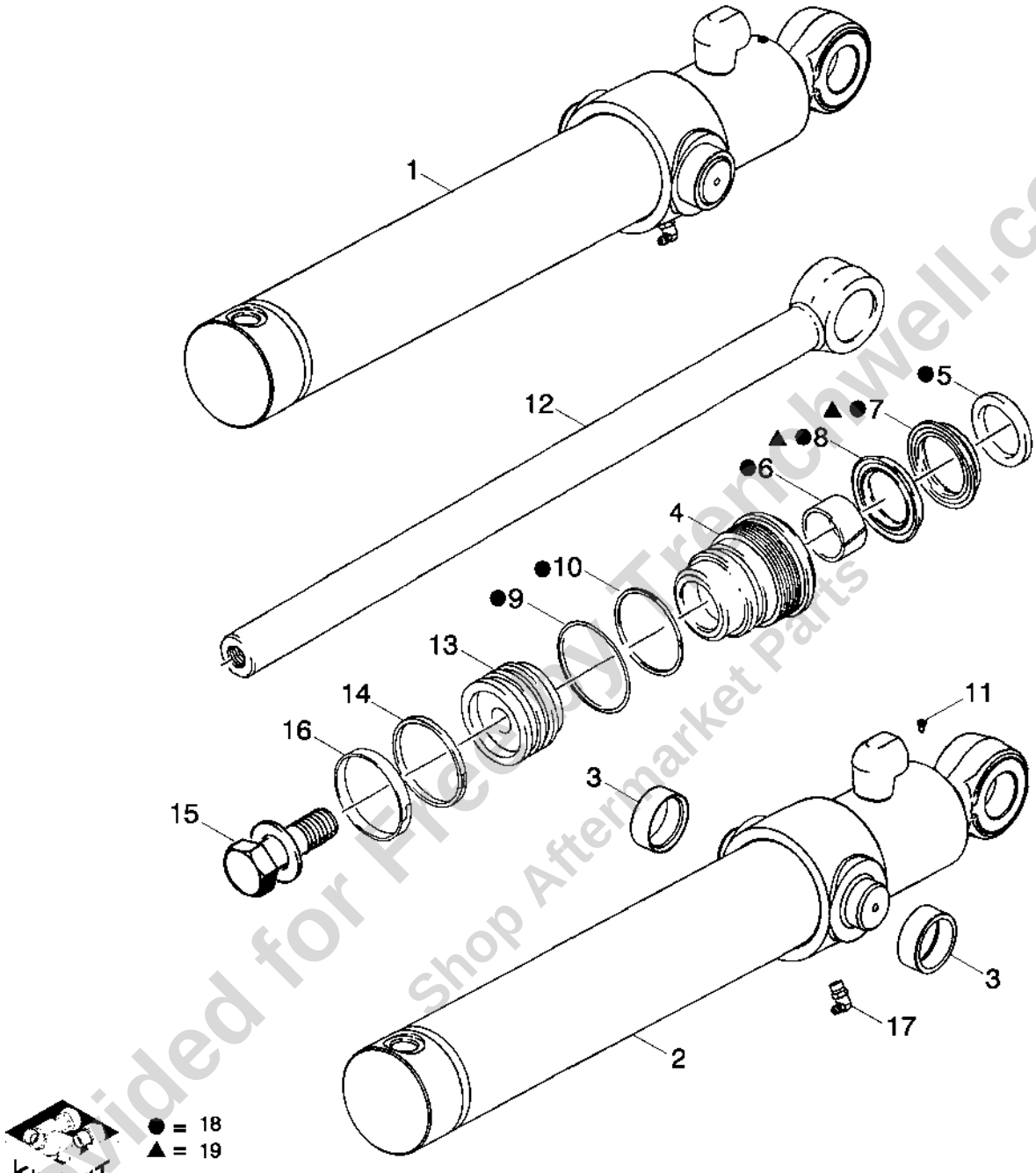
35.738.01	02	p1	06/11

CYLINDER - LOADER BUCKET (580SN, 580SN WT)



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CYLINDER - LOADER BUCKET (580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210943		1	HYDRAULIC CYLINDER, 76 ID x 522 mm strk; Loader Bucket; Inc 2- 17
2		84237939		1	TUBE, Inc 3
3		G108512		2	BUSHING
4		84237948		1	GLAND
5		D95142		1	SEAL, Wiper
6		G102424		1	BUSHING
7		NSS		1	NOT SERVICED SEPARATELY, SEAL Rod; Order 1542874C1
8		NSS		1	NOT SERVICED SEPARATELY, SEAL Buffer; Order 1542874C1
9		238-5231		1	O-RING, -231, 70 Duro, 2.609" ID x .139" Thk
10		G109298		1	RING, Backup
11		G109395		1	SELF-TAP SCREW
12		84237943		1	ROD
13		84237950		1	PISTON
14		364376A1		1	RING, Cast Iron
15		86982435		1	SPECIAL BOLT, 3/4 x 2.5 in, Includes Washer
16		G100449		1	WEAR RING
17		219-55		1	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
18		84257772		1	SEAL KIT, Complete, Inc 5 - 10, 14, 16, 20
19		1542874C1		1	SEAL KIT, Rod and Buffer; Inc 7, 8
20		87715781		1	SEAL, Kit, 4 Piece Piston; Does Not Inc. 14,16 (Not Shown)

580SN WT
580SN

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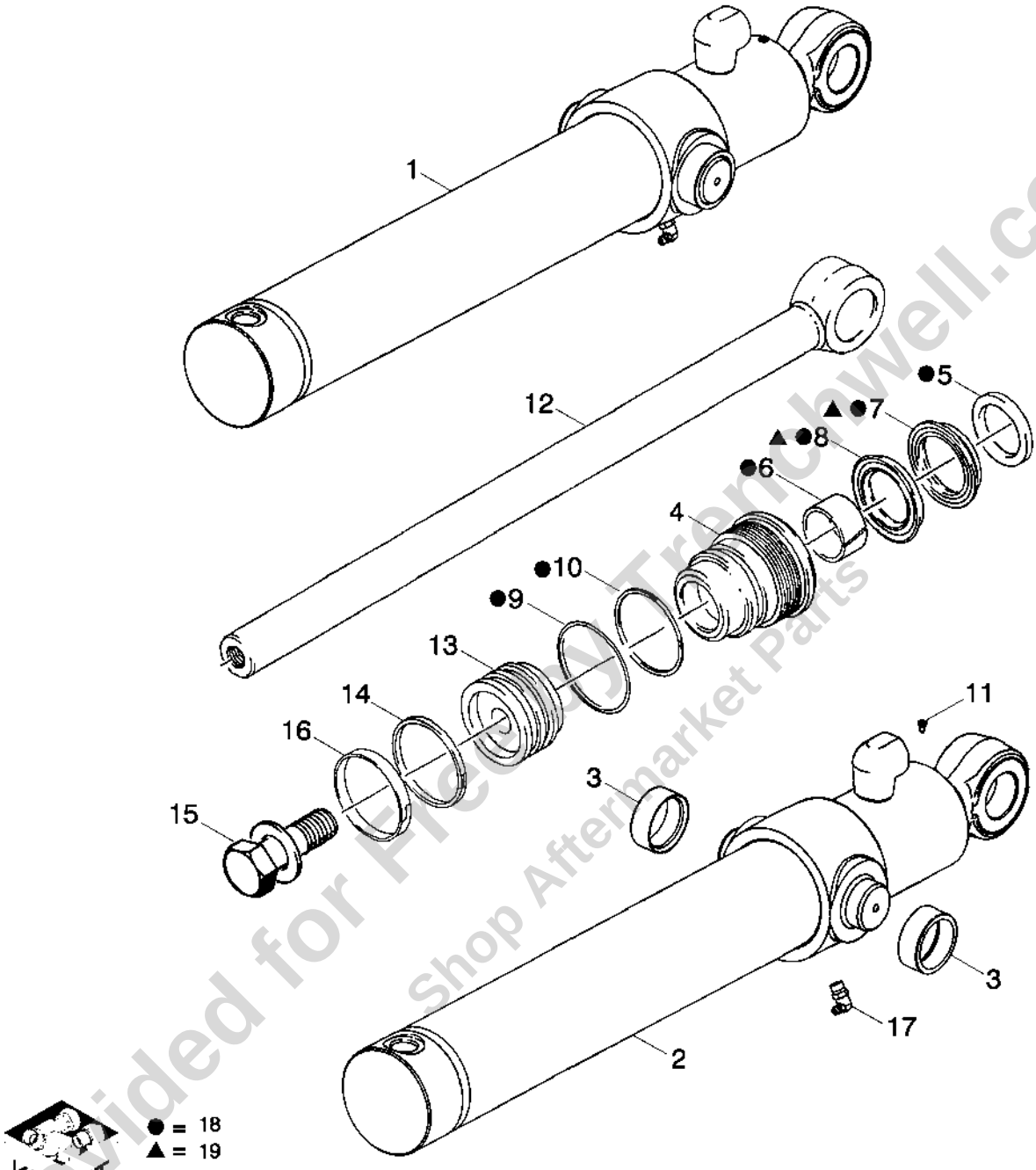
CYLINDER - LOADER BUCKET (590SN)



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CYLINDER - LOADER BUCKET (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210944		1	HYDRAULIC CYLINDER, 76 ID x 522 mm strk; Loader Bucket; Inc 2- 17
2		84208503		1	TUBE, Inc 3
3		G108512		2	BUSHING
4		84208516		1	GLAND
5		D95143		1	SEAL, Wiper
6		G102425		1	BUSHING
7		NSS		1	NOT SERVICED SEPARATELY, SEAL Rod
8		NSS		1	NOT SERVICED SEPARATELY, SEAL Buffer
9		238-5233		1	O-RING, -233, 70 Duro, 2.859" ID x .139" Thk
10		G32122		1	RING
11		G109395		1	SELF-TAP SCREW
12		84208508		1	ROD
13		84208518		1	PISTON ROD/GLAND
14		87715782		1	SEAL
15		86982438		1	SPECIAL BOLT, 3/4 x 2.5 in, Includes Washer
16		S109445		1	RING
17		219-55		1	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
18		84257323		1	SEAL KIT, Incl Ref 5, 6, 9, 10, 14, 16, 19
19		1542875C1		1	SEAL KIT, Rod and Buffer; Inc 7, 8

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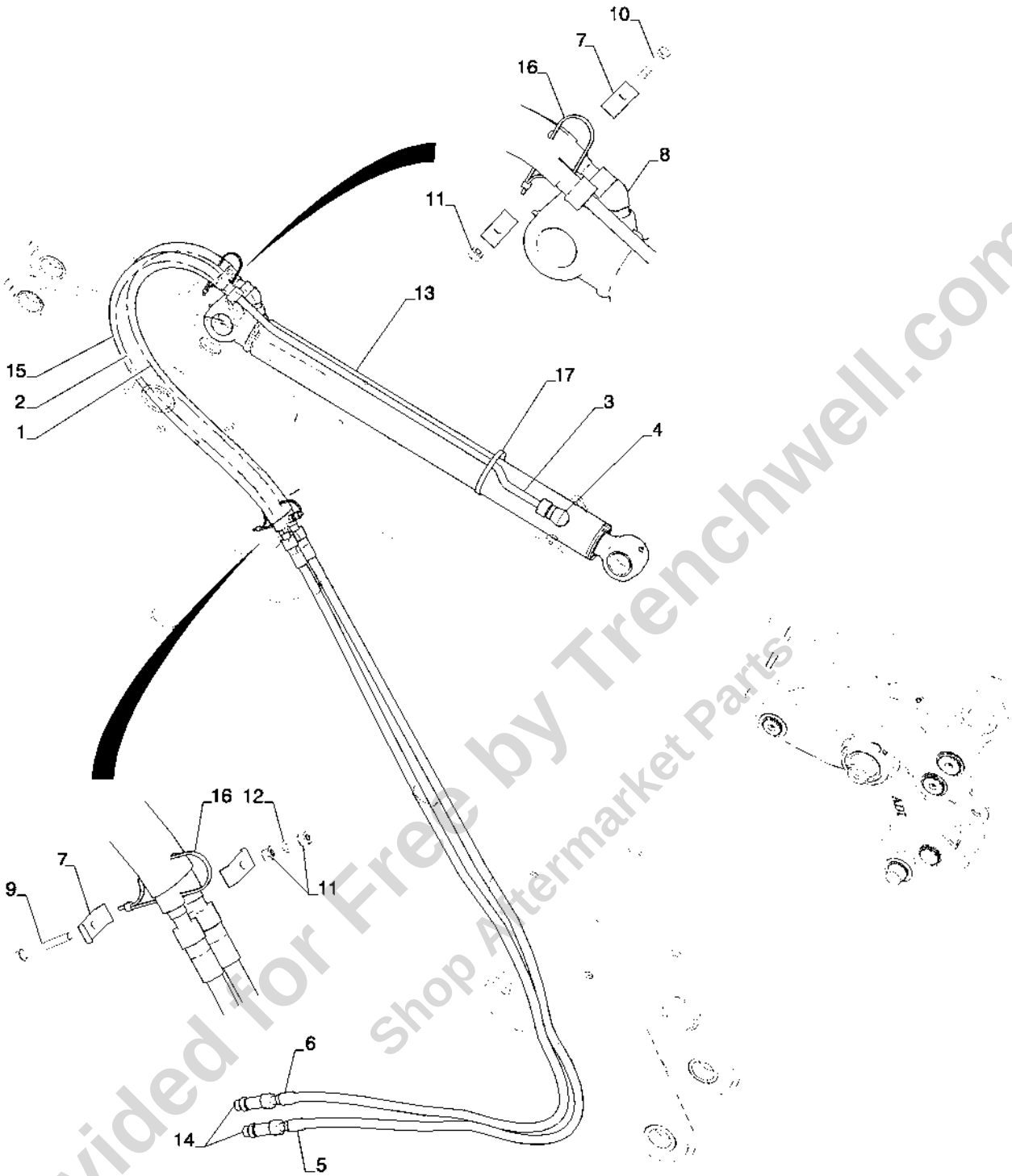
35.738.02	01	p1	08/11

HYDRAULICS - BACKHOE (580SN, 580SN WT) (W/O EXTENDABLE DIPPER)



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HYDRAULICS - BACKHOE (580SN, 580SN WT) (W/O EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84258633		1	HYDRAULIC HOSE, Bucket Head
2		84258634		1	HYDRAULIC HOSE, Bucket Rod
3		84305540		1	TUBE, Bucket Cylinder Rod
4		201-104		1	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
5		84257611		1	HYDRAULIC HOSE, Valve to Bucket Cylinder Head
6		84281616		1	HOSE ASSY., Valve to Bucket Cylinder Rod
7		D143846		4	CLAMP
8		201-317		1	ELBOW, 45º, 1 3/16"-12 x 1 1/16"-12. Adj, ORFS
9		120116		1	SCREW
10		120070		1	BOLT, Hex, M10 x 60, 8.8
11		412141		3	LOCK NUT, M10 x 1.5, Cl 8
12		87655042		1	SPECIAL WASHER
13		84210935		1	HYDRAULIC CYLINDER, Bucket
14		87393627		2	HYD CONNECTOR
15		84321337		1	SLEEVE
16		L18331		2	CABLE STRAP
17		214-1472		1	HOSE CLAMP, #72, 4.06/5.00 Type F Worm

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580SN WT
580SN

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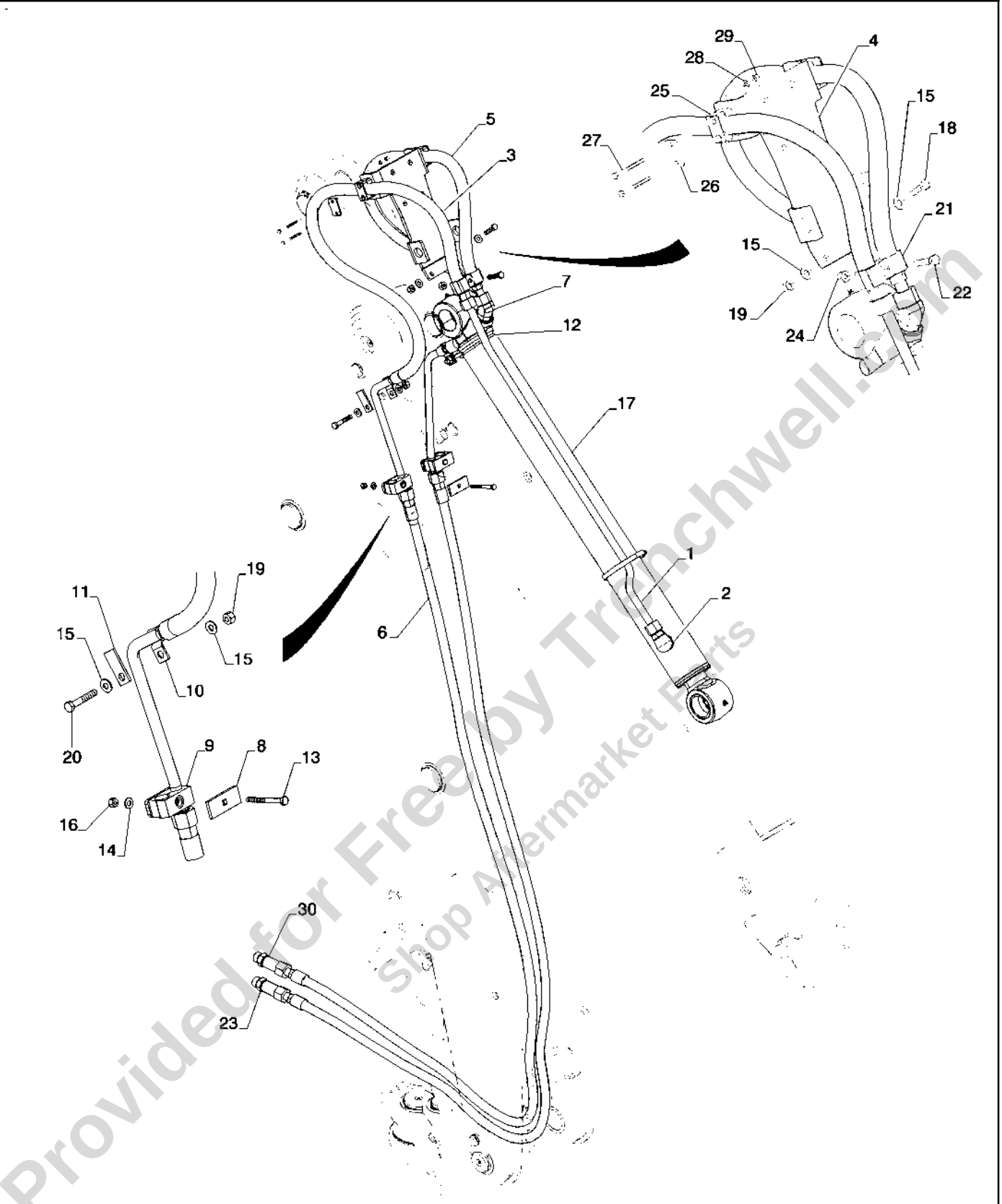
35.738.02	02	p1	02/11

HYDRAULICS - BACKHOE (580SN, 580SN WT) (W/ EXTENDABLE DIPPER)



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HYDRAULICS - BACKHOE (580SN, 580SN WT) (W/ EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84305540		1	TUBE
2		201-104		1	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
3		84283822		1	HYD. TUBE
4		84181871		1	CLAMP BRACKET
5		84283823		1	HYD. TUBE
6		84281616		1	HOSE ASSY.
7		201-317		1	ELBOW, 45º, 1 3/16"-12 x 1 1/16"-12. Adj, ORFS
8		84283495		4	SECURING STRAP
9		87000146		2	CLAMP
10		84259029		2	CLAMP
11		84259030		2	SPACER
12		214-3180		2	HOSE CLAMP, 4.25/5.125 HD Worm
13		366046		2	CARRIAGE BOLT
14		87655042		6	SPECIAL WASHER
15		87655046		7	SPECIAL WASHER
16		824-1408		2	NUT, M8 x 1.25, Cl 10
17		84210935		1	HYDRAULIC CYLINDER
18		9706704		2	BOLT, Hex, M10 x 35, 8.8, Full Thd
19		100016		4	NUT, M10, Cl 8
20		86508619		2	BOLT, Hex, M10 x 60, 10.9
21		221525A1		2	CLAMP
22		120112		1	BOLT, Hex, M10 x 40, 8.8, Full Thd
23		9840535		2	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
24		86500689		3	NUT, M10, Cl 10
25		87022323		2	CLAMP
26		1541537C1		2	PLATE
27		338413		4	SCREW, Hex, M6 x 60, 8.8
28		87655041		4	SPECIAL WASHER
29		9706755		4	NUT, M6, Cl 8
30		87393627		2	HYD CONNECTOR

580SN WT
580SN

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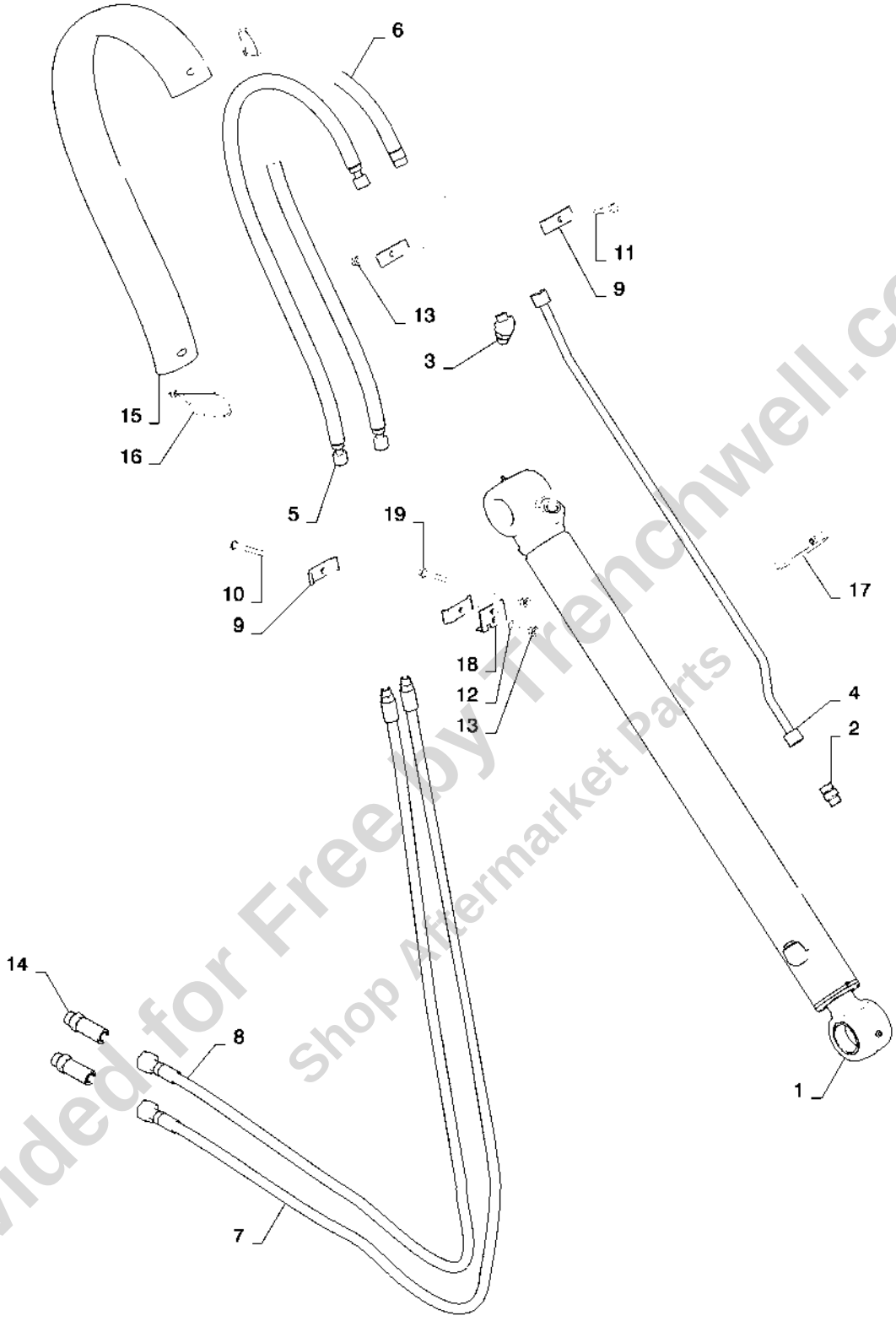
HYDRAULICS - BACKHOE (580N) (W/O EXTENDABLE DIPPER)



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HYDRAULICS - BACKHOE (580N) (W/O EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210934		1	HYDRAULIC CYLINDER, Bucket
2		201-103		1	HYD CONNECTOR, 1"-14 ORFS x 7/8"-14 ORB
3		201-377		1	ELBOW, 45º, 13/16"-16 x 7/8"-14, Adj, ORFS
4		84319950		2	TUBE
5		84266069		1	HOSE ASSY.
6		84266070		2	HOSE ASSY.
7		84319552		3	HOSE
8		84319555		3	HOSE
9		D143846		1	CLAMP
10		43144		1	BOLT, Hex, M10 x 70, 8.8
11		120070		3	BOLT, Hex, M10 x 60, 8.8
12		87655046		1	SPECIAL WASHER
13		412141		1	LOCK NUT, M10 x 1.5, Cl 8
14		87393627		1	HYD CONNECTOR
15		84321337		1	SLEEVE
16		L18331		1	CABLE STRAP
17		214-1472		1	HOSE CLAMP, #72, 4.06/5.00 Type F Worm
18		84408246		1	HOSE CLAMP
19		43140		1	BOLT, Hex, M10 x 30, 8.8, Full Thd

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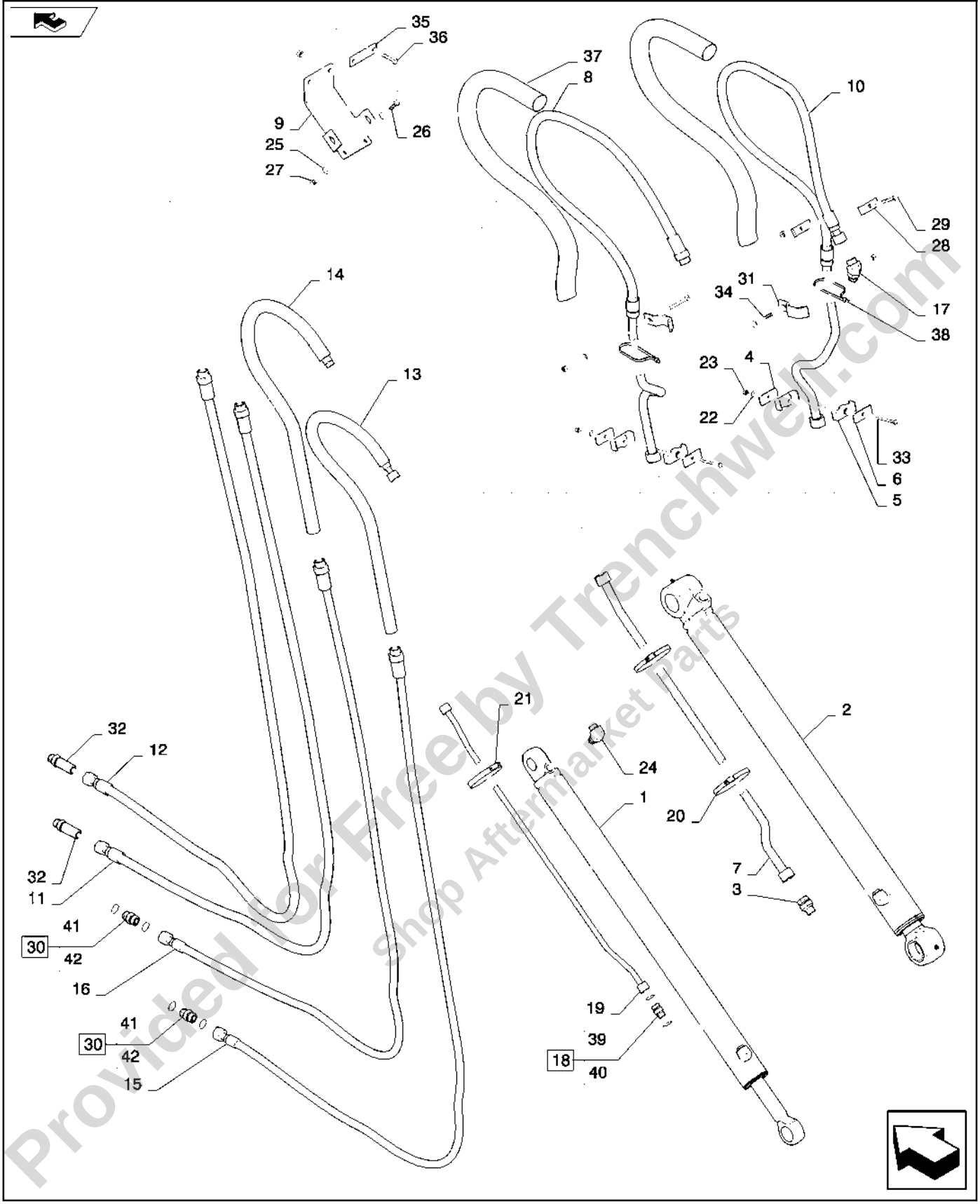
35.738.03	02	p1	03/12

HYDRAULICS - BACKHOE (580N) (W/EXTENDABLE DIPPER)



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HYDRAULICS - BACKHOE (580N) (W/EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84421678		1	HYDRAULIC CYLINDER, Extendable Dipper
2		84421594		1	HYDRAULIC CYLINDER, Bucket
3		9840534		1	HYD CONNECTOR, 1 3/16"-12 ORFS x 7/8"-14 ORB
4		84342644		2	PLATE
5		87000146		2	CLAMP
6		84283495		2	SECURING STRAP
7		84305540		1	TUBE, Bucket Cylinder Rod
8		84283822		1	HYD. TUBE, Bucket Cylinder Rod
9		84359870		1	BRACKET
10		84283823		1	HYD. TUBE, Bucker Cylinder Head
11		84257611		1	HYDRAULIC HOSE, Valve to Bucket Cylinder Head
12		84281616		1	HOSE ASSY., Valve to Bucket Cylinder Rod
13		84343076		1	HOSE, EHOE Cylinder Head
14		84343074		1	HOSE, EHOE Cylinder Rod
15		84263639		1	HOSE ASSY., Valve to EHOE Cylinder Head
16		84257618		1	HYDRAULIC HOSE, Vavle to EHOE Cylinder Rod
17		201-352		1	ELBOW, 45º, 1 3/16"-12 x 7/8"-14. Adj, ORFS
18		201-103		1	HYD CONNECTOR, 1"-14 ORFS x 7/8"-14 ORB
19		84295701		1	HYD. TUBE, EHOE Cylinder Rod
20		214-1472		2	HOSE CLAMP, #72, 4.06/5.00 Type F Worm
21		214-3172		1	HOSE CLAMP, 3.75/4.625 HD Worm
22		87655042		4	SPECIAL WASHER
23		412250		4	LOCK NUT, M8 x 1.25, Cl 8
24		87675522		1	ELBOW
25		87655046		4	SPECIAL WASHER
26		120112		2	BOLT, Hex, M10 x 40, 8.8, Full Thd
27		412141		5	LOCK NUT, M10 x 1.5, Cl 8
28		D143846		2	CLAMP
29		120071		1	BOLT, Hex, M10 x 65, 8.8
30		9840535		2	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
31		84367726		2	CLAMP
32		87393627		2	HYD CONNECTOR
33		120108		2	BOLT, Hex, M8 x 80, 8.8, Full Thd
34		120070		2	BOLT, Hex, M10 x 60, 8.8

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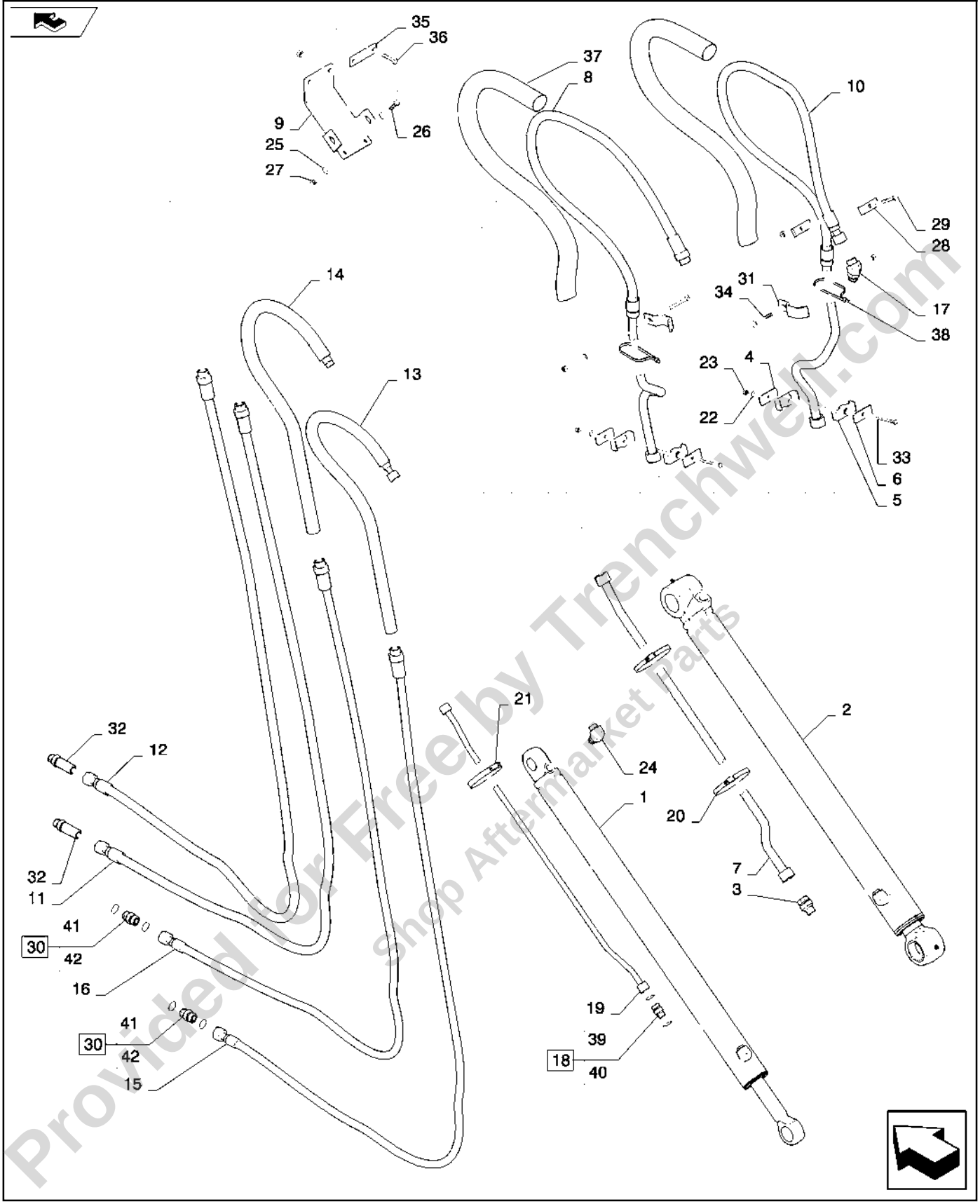
HYDRAULICS - BACKHOE (580N) (W/EXTENDABLE DIPPER)



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HYDRAULICS - BACKHOE (580N) (W/EXTENDABLE DIPPER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
35		101479A1		1	SUPPORT
36		120113		2	BOLT, Hex, M10 x 50, 8.8, Full Thd
37		84373395		2	PROTECTIVE SLEEVE, Protective Sleeve
38		L18331		2	CABLE STRAP
39		101479A1		1	SUPPORT
40		167266		1	O-RING, 0.924" ID x 0.116" Width
41		9991976		1	O-RING, 0.739" ID x 0.879" OD x 0.07", Protective Sleeve
42		238-6016		1	O-RING, -016, 90 Duro, .614" ID x .070" Thk

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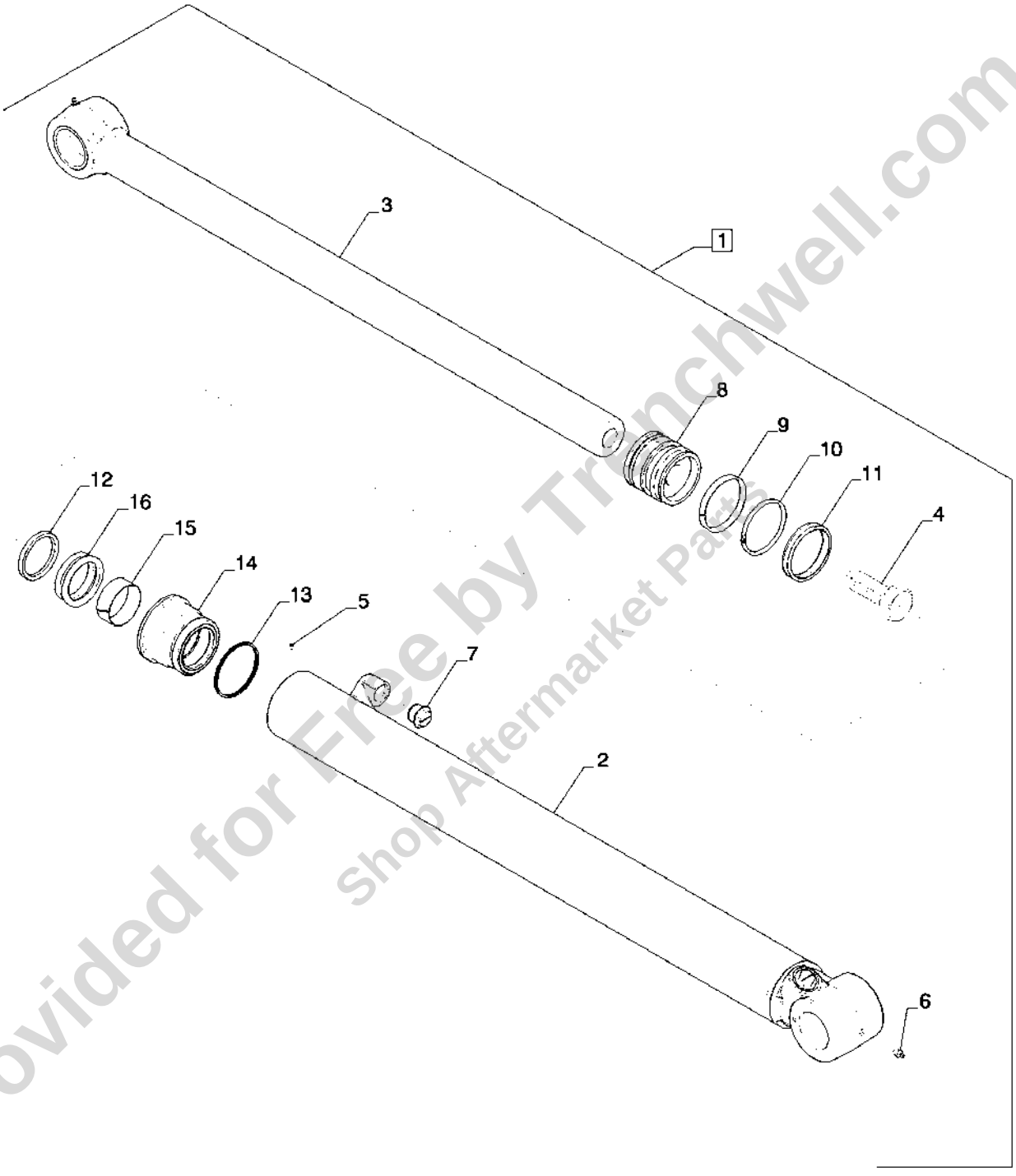
CYLINDER - BACKHOE BUCKET (580SN, 580SN WT)



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CYLINDER - BACKHOE BUCKET (580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210935		1	HYDRAULIC CYLINDER
2		84233448		1	BARREL
3		84323183		1	ROD
4		86982442		1	SPECIAL BOLT
5		G109395		2	SELF-TAP SCREW
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
7		353-782		1	PLUG, Slotted, 1 1/16"-12
8		84232661		1	PISTON ROD/GLAND
9		G100711		1	WEAR RING
10		238799A1		1	SEAL
11		87715783		1	SEAL
12		D95146		1	WIPER SEAL
13		84130482		1	SEAL
14		84190554		1	GLAND, Inc. 12,13,15,16
15		G109908		1	BUSHING
16		1542879C1		1	SEAL KIT, Rod and Buffer
17		84259225		1	SEAL KIT, (Not Shown)

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580SN WT
580SN

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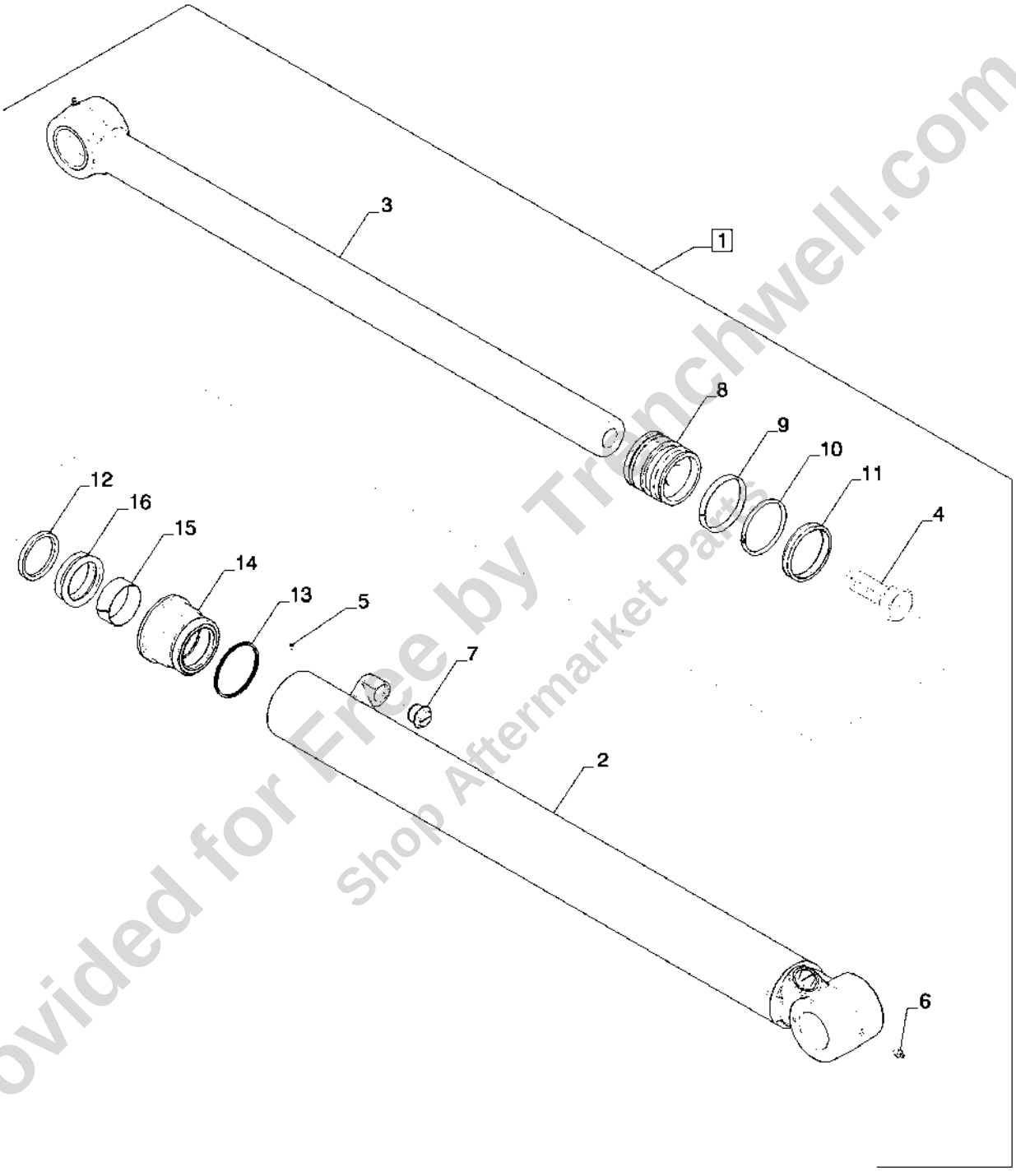
CYLINDER - BACKHOE BUCKET (590SN)



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CYLINDER - BACKHOE BUCKET (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210936		1	HYDRAULIC CYLINDER
2		84232667		1	BARREL
3		84323190		1	ROD
4		86982442		1	SPECIAL BOLT
5		G109395		1	SELF-TAP SCREW
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
7		353-782		2	PLUG, Slotted, 1 1/16"-12
8		84232661		1	PISTON ROD/GLAND
9		G100711		1	WEAR RING
10		238799A1		1	SEAL
11		87715783		1	SEAL
12		D95146		1	WIPER SEAL
13		84130482		1	SEAL
14		NS		1	NOT SERVICED
15		G109908		1	BUSHING
16		1542879C1		1	SEAL KIT

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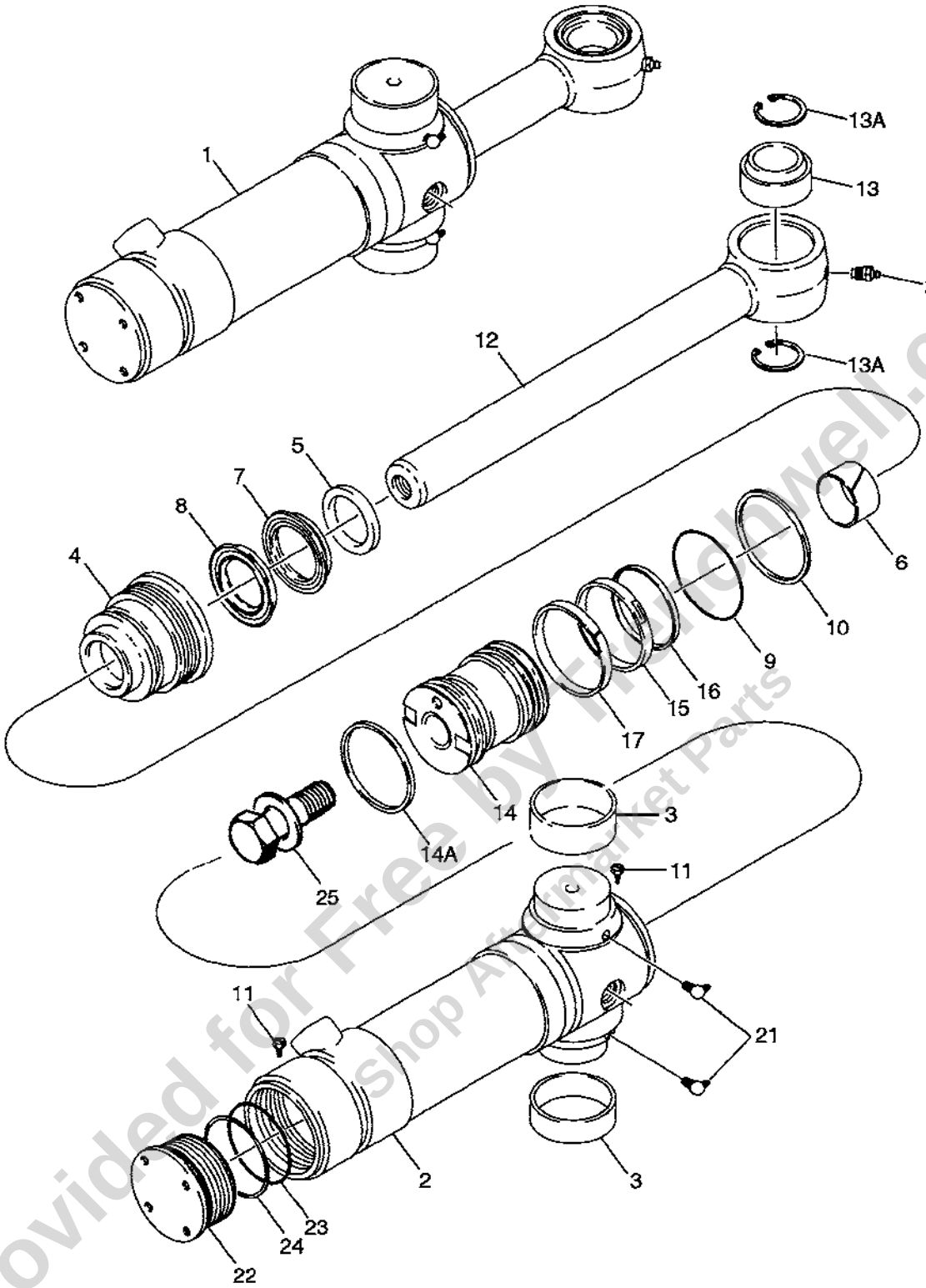
CYLINDER - BACKHOE SWING (580N)



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CYLINDER - BACKHOE SWING (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		188027A2		2	CYLINDER ASSY., 95 ID x 292 mm strk, Incl. Ref 2 - 25
2		220165A2		1	TUBE, Incl. Ref 2, 3, 11, 22 - 24; Not Available As An Assembly; Order Components
2		188028A2		1	TUBE, 527.7 mm Length, Incl. Ref 3
3		124568A2		2	RING, Bushing
4		188032A2		1	GLAND
		191747A1		1	SEAL, KIT, Incl. Ref 5 - 10, 14A - 17, 23, 24
5		D95144		1	SEAL PROTECTION, Wiper
6		G101533		1	WEAR RING
		1542876C1		1	SEAL KIT, Rod and Buffer; Incl Ref 7, 8; Not Serviced Separately; Order 191747A1 Seal Kit
7		NSS		1	NOT SERVICED SEPARATELY, SEAL Rod; Order 191747A1 Seal Kit
8		NSS		1	NOT SERVICED SEPARATELY, SEAL Buffer; Order 191747A1 Seal Kit
9		238-5237		1	O-RING, -237, 70 Duro, 3.359" ID x .139" Thk
10		G32126		1	RING, Backup
11		86642312		2	SELF-TAP SCREW, Hex Hd, #8 x 3/8"
12		87413722		1	PISTON ROD, 51 mm (2 in) dia, Incl. Ref 13, 13A
13		137248A1		1	RING
13A		100-21315		2	SNAP RING, 3.156", Int, #315
14		188034A3		1	PISTON
14A		191252A1		1	OIL SEAL, Cast Iron
15		1340764C1		1	GASKET
16		1340763C1		1	RING
17		1980245C1		1	OIL SEAL
20		219-1		1	LUBE NIPPLE, 1/8"-27 x .66 lg
21		219-55		2	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
		188035A1		1	CYLINDER END CAP, Incl. Ref 22 - 24; Not Available As An Assembly, Order Components
22		188036A1		1	CAP, End
23		238-5239		1	O-RING, -239, 70 Duro, 3.609" ID x .139" Thk
24		G109299		1	BACK-UP RING
25		86982439		1	SPECIAL BOLT, 1 x 4,0; Incl. Washer

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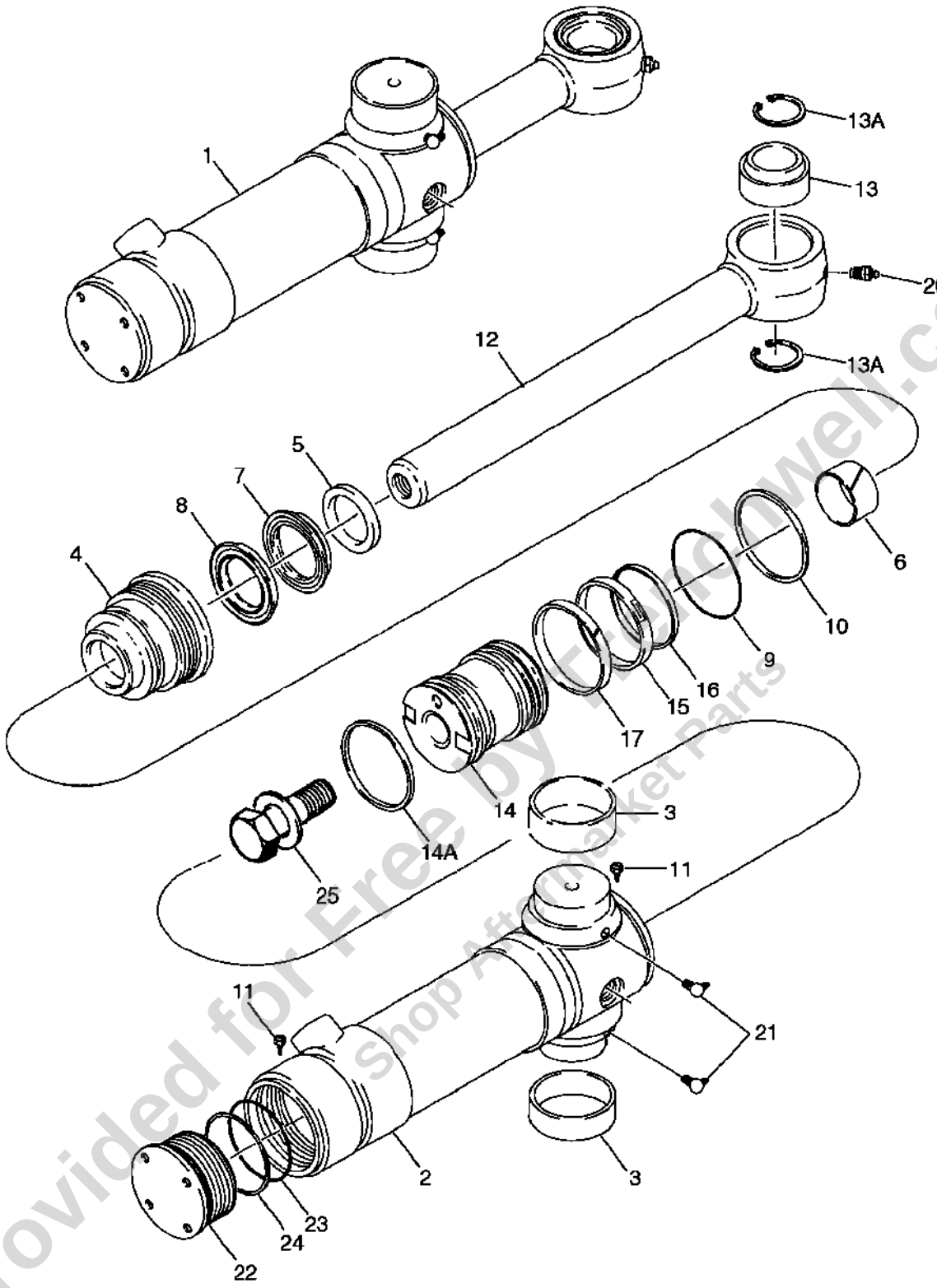
35.739.03		p1	06/11

CYLINDER - BACKHOE SWING (580SN, 580SN WT, 590SN)



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CYLINDER - BACKHOE SWING (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		139808A2R		AR	REMAN-HYD CYLINDER, REMANUFACTURED HYD CYLINDER - for N.A. Only
		139808A2C		AR	CORE-HYD CYLINDER, Return Number, HYD CYLINDER - for N.A. Only
		199953A2		1	BARREL, Incl Ref 2, 3, 11, 22 - 24; Not Available as an Assembly; Order Components
2		139810A2		1	TUBE, 527.71, 216 mm Length, Incl. Ref 3
3		124568A2		2	RING, Bushing
4		297283A1		1	GLAND
		122535A1		1	SEAL KIT, Repair, Incl Ref 5 - 10, 14A - 17, 23, 24
5		D95144		1	SEAL PROTECTION, Wiper
6		G101533		1	WEAR RING
		1542876C1		1	SEAL KIT, Rod and Buffer; Incl Ref 7, 8; Not Serviced Separately; Order 122535A1 Seal Kit
7		NSS		1	NOT SERVICED SEPARATELY, SEAL Rod; Order 122535A1 Seal Kit
8		NSS		1	NOT SERVICED SEPARATELY, SEAL Buffer; Order 122535A1 Seal Kit
9		238-5239		1	O-RING, -239, 70 Duro, 3.609" ID x .139" Thk
10		G109299		1	BACK-UP RING
11		86642312		2	SELF-TAP SCREW, Hex Hd, #8 x 3/8"
12		87413722		1	PISTON ROD, 51 mm (2 in) dia; Incl. 13, 13A
13		137248A1		1	RING
13A		100-21315		2	SNAP RING, 3.156", Int, #315
14		112370A3		1	PISTON
14A		121478A1		1	RING, 4 in OD, Cast Iron
15		G102285		1	SEAL
16		G100440		1	RING
17		G100448		1	RING
20		219-1		1	LUBE NIPPLE, 1/8"-27 x .66 lg
21		219-55		2	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
		124462A1		1	CYLINDER END CAP, Incl. Ref 22 - 24; Not Available As An Assembly, Order Components
22		124463A1		1	CYLINDER END CAP
23		238-5242		1	O-RING, -242, 70 Duro, 3.984" ID x .139" Thk

580SN WT 580SN 590SN

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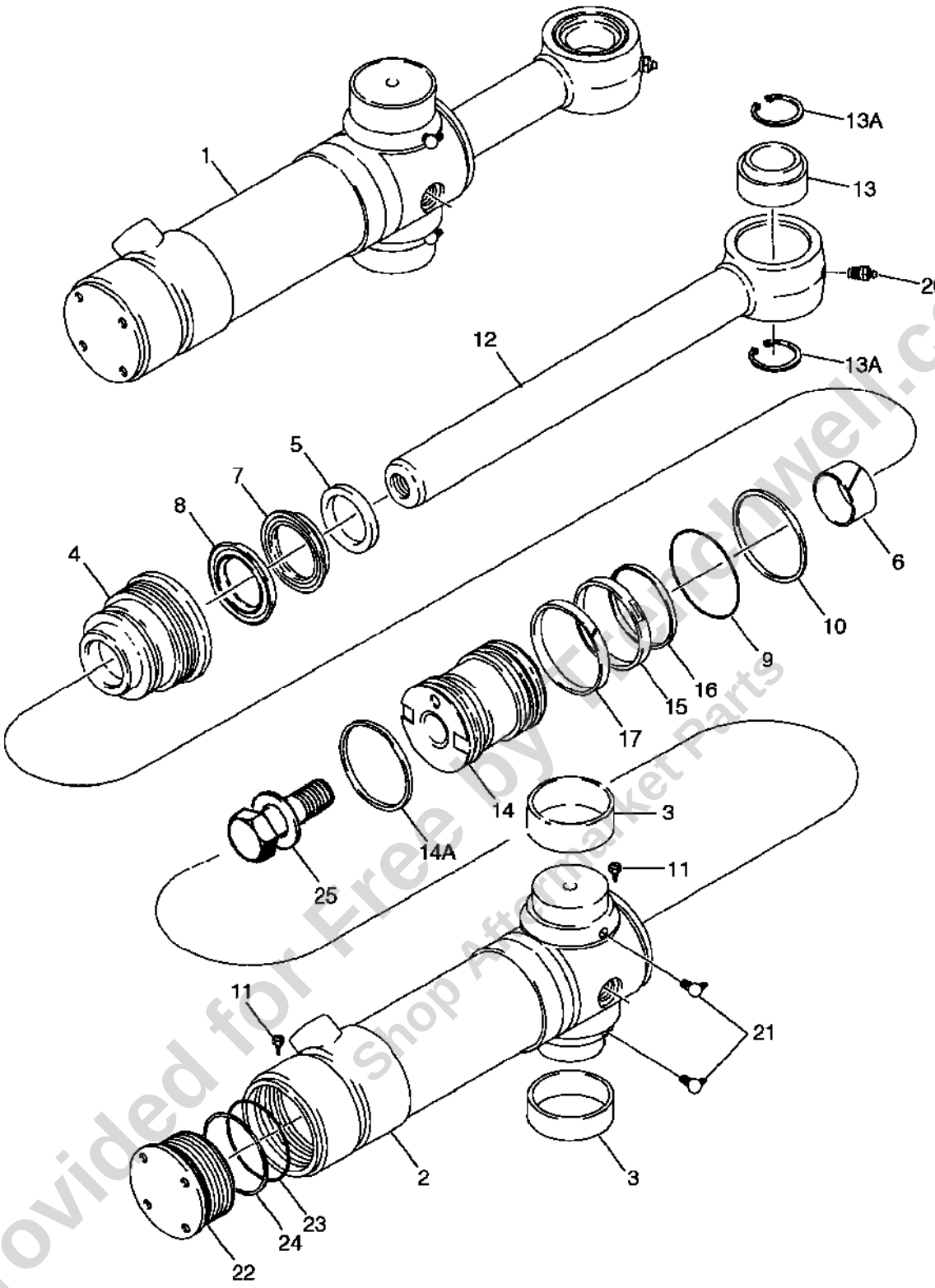
35.739.03		p2	06/11

CYLINDER - BACKHOE SWING (580SN, 580SN WT, 590SN)



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CYLINDER - BACKHOE SWING (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
24		G32176		1	BACK-UP RING
25		86982439		1	SPECIAL BOLT, 1 x 4,00 in, Includes Washer

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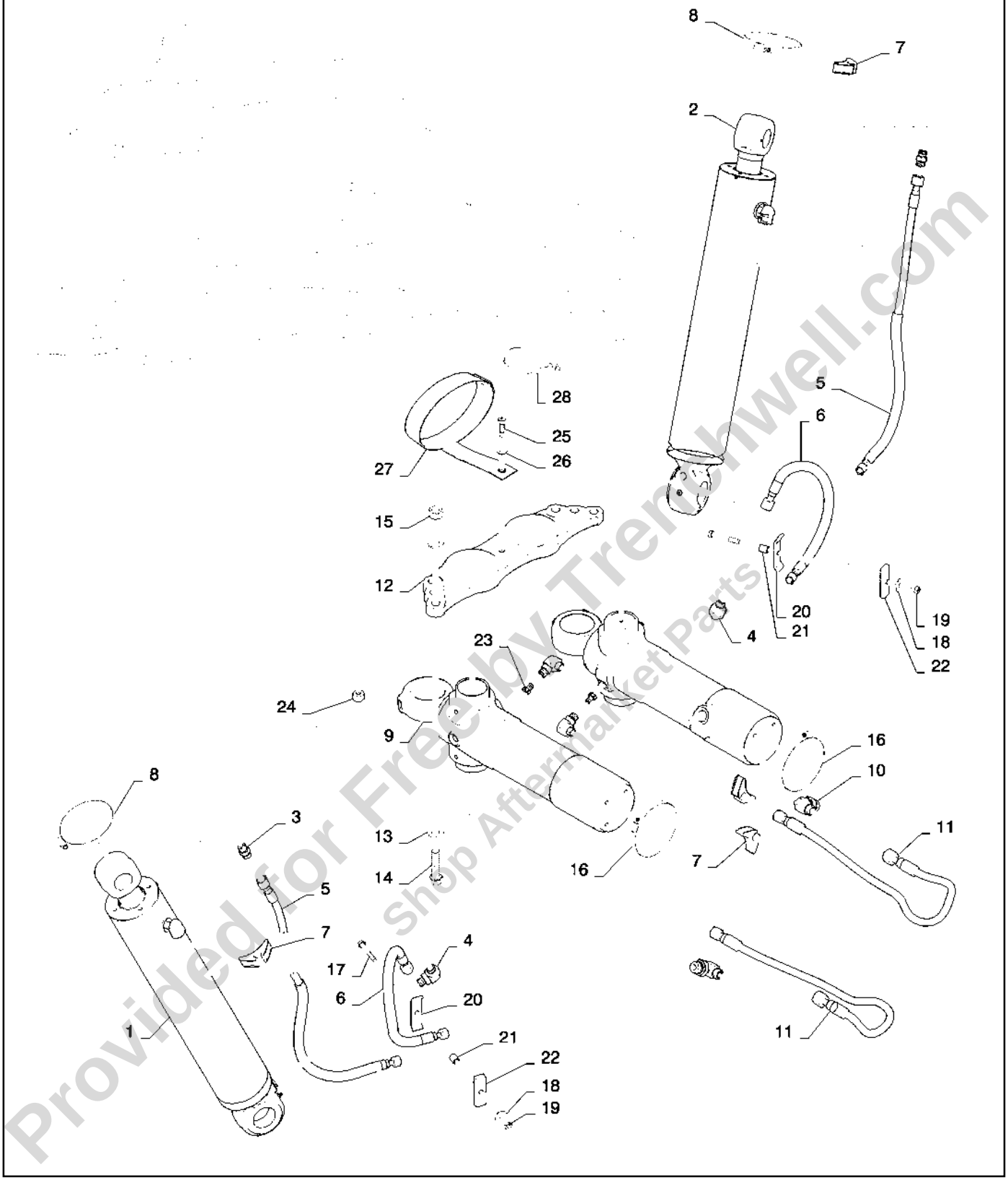
35.739.04		p1	12/11

HYDRAULICS - CYLINDER BACKHOE SWING / STABILIZER (580SN, 580SN WT, 590SN)



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HYDRAULICS - CYLINDER BACKHOE SWING / STABILIZER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210938		1	CYLINDER, Left Hand 580SN
1		84212184		1	CYLINDER, Left Hand 580SN WT, 590SN
2		84210947		1	CYLINDER, Right hand 580SN
2		84210948		1	CYLINDER, Right Hand 580SN WT, 590SN
3		9992305		2	HYD CONNECTOR, 13/16"-16 ORFS x 3/4"-16 ORB
3		9992298		2	O-RING, 0.489" ID x 0.629" OD x 0.07"
3		128825		2	O-RING, 0.644" ID x 0.087" Width
4		9992307		4	ELBOW, 90º, 13/16"-16 x 3/4"-16 Adj, ORFS
4		9992298		4	O-RING, 0.489" ID x 0.629" OD x 0.07"
4		128825		4	O-RING, 0.644" ID x 0.087" Width
5		84257155		2	HYDRAULIC HOSE
6		84280780		2	HOSE ASSY.
7		D142787		4	SPACER
8		84333574		2	HOSE CLAMP, 580SN
8		214-14100		2	HOSE CLAMP, #100, 5.88/6.75 Type F Worm, 580SN WT, 590SN
9		139808A2		2	HYDRAULIC CYLINDER
10		9991973		2	ELBOW
10		9992069		2	O-RING, 0.614" ID x 0.754" OD x 0.07"
10		167266		2	O-RING, 0.924" ID x 0.116" Width
11		84318337		2	HYDRAULIC HOSE
12		84336208		1	BEAM
13		87655047		12	SPECIAL WASHER
14		827-20075		6	BOLT, Hex, M20 x 75, 10.9, Full Thd
15		829-1420		6	NUT, M20, Cl 10
16		214-1492		2	HOSE CLAMP, #92, 5.38/6.25 Type F Worm, W/liner
17		814-10070		2	BOLT, Hex, M10 x 70, 8.8
18		87687101		2	WASHER
19		829-1410		2	NUT, M10, Cl 10
20		87420673		2	HOSE CLAMP
21		87439665		2	SPACER
22		87420672		2	SPACER
23		124690A1		2	RESTRICTOR
24		84348221		1	SPACER
25		84348245		1	SCREW

580SN WT 580SN 590SN

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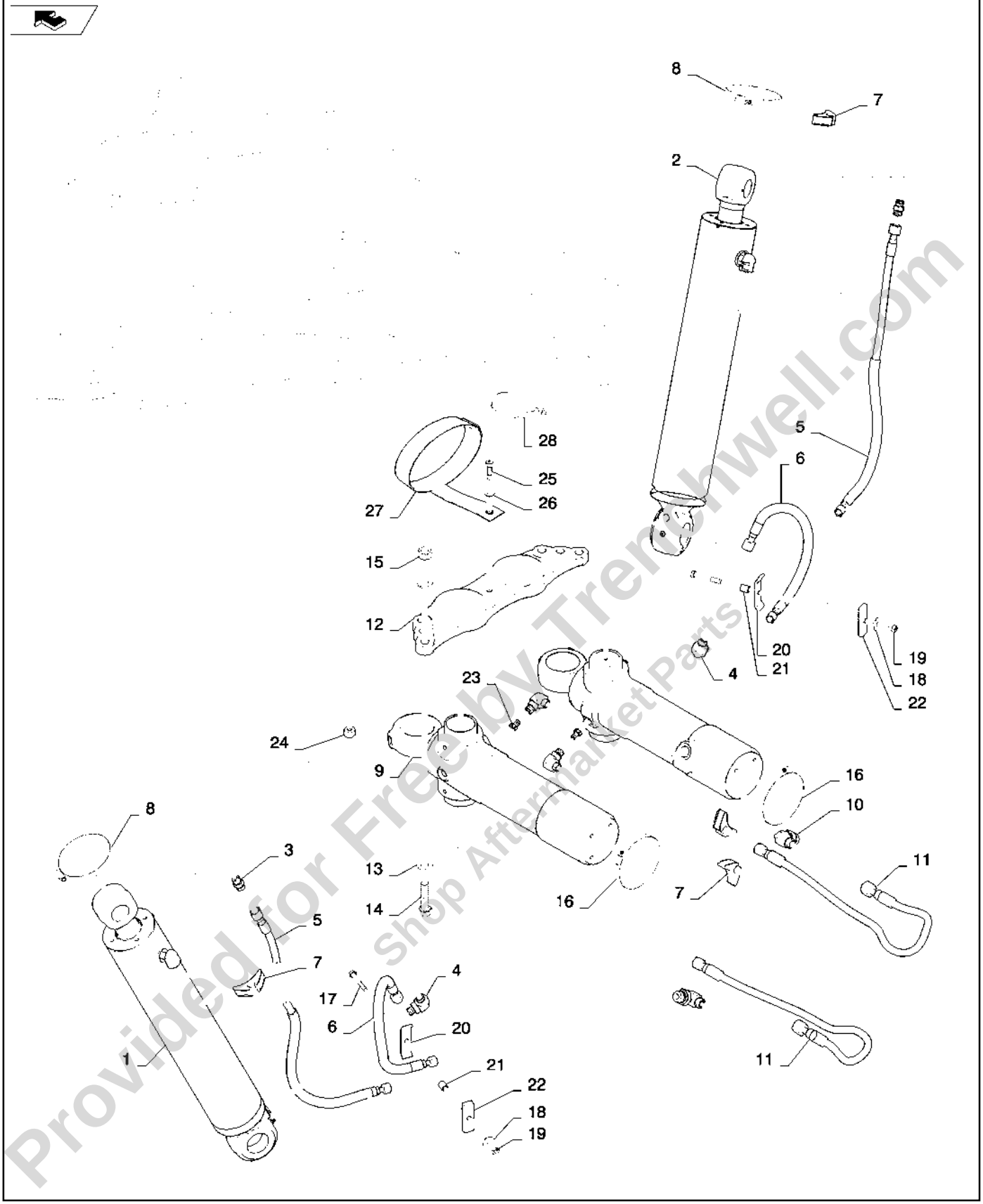
35.739.04		p2	12/11

HYDRAULICS - CYLINDER BACKHOE SWING / STABILIZER (580SN, 580SN WT, 590SN)



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HYDRAULICS - CYLINDER BACKHOE SWING / STABILIZER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
26		896-11012		1	WASHER, M13.5 x 24.5 x 3, HT
27		84348263		1	SECURING STRAP
28		L18331		1	CABLE STRAP

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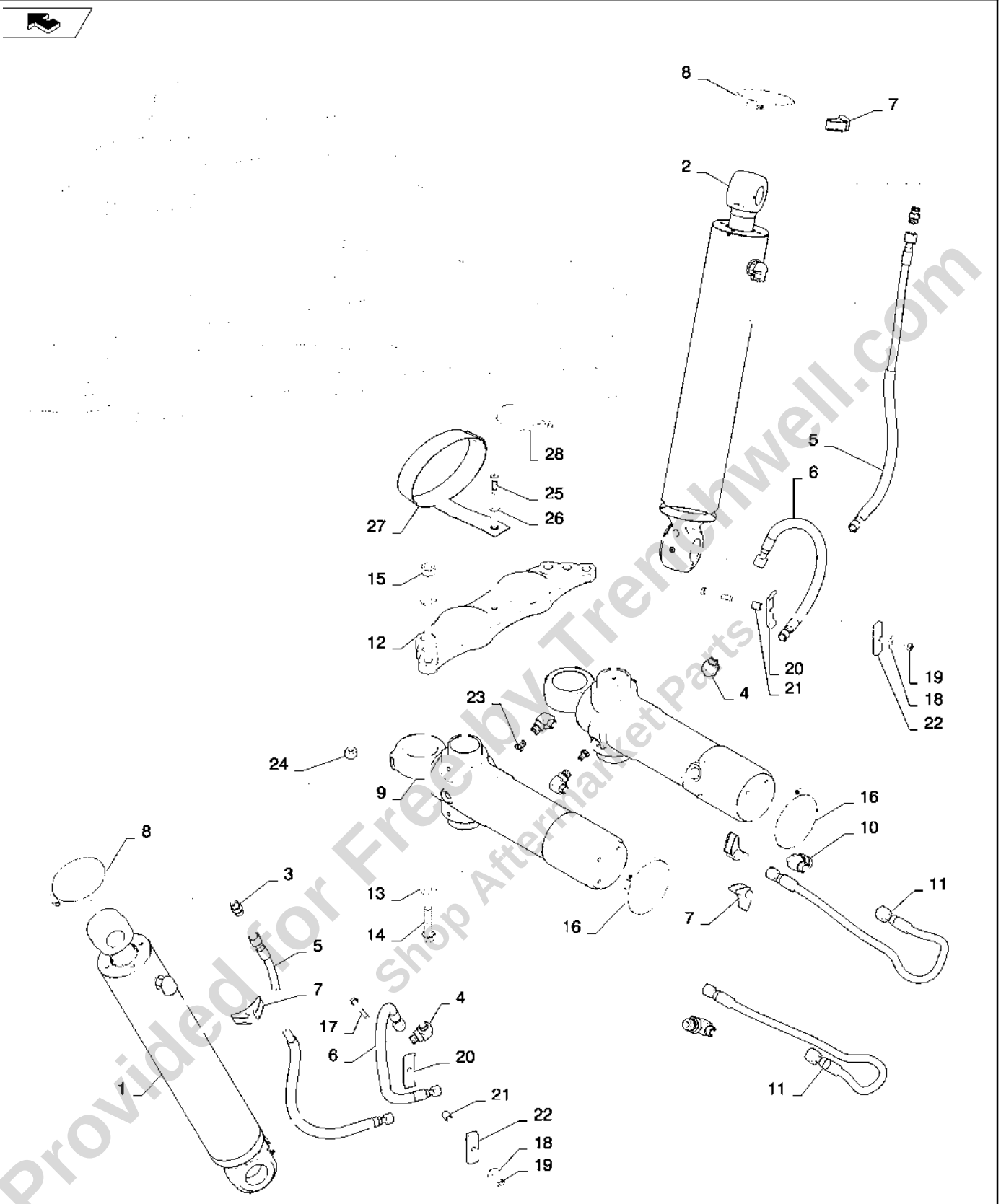
HYDRAULICS - CYLINDER BACKHOE SWING / STABILIZER (580N)



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HYDRAULICS - CYLINDER BACKHOE SWING / STABILIZER (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210937		1	CYLINDER, Left Hand
2		84210946		1	CYLINDER, Right Hand
3		9992305		2	HYD CONNECTOR, 13/16"-16 ORFS x 3/4"-16 ORB
4		9992307		4	ELBOW, 90º, 13/16"-16 x 3/4"-16 Adj, ORFS
5		84257155		2	HYDRAULIC HOSE
6		84280780		2	HOSE ASSY.
7		D142787		4	SPACER
8		214-3196		2	HOSE CLAMP, 5.25/6.125 HD Worm
9		188027A2		2	CYLINDER ASSY.
10		9991973		2	ELBOW
11		84318337		2	HYDRAULIC HOSE
12		84336208		1	BEAM
13		87655047		12	SPECIAL WASHER
14		827-20075		6	BOLT, Hex, M20 x 75, 10.9, Full Thd
15		829-1420		6	NUT, M20, Cl 10
16		214-1492		2	HOSE CLAMP, #92, 5.38/6.25 Type F Worm, W/liner
17		814-10070		2	BOLT, Hex, M10 x 70, 8.8
18		87687101		2	WASHER
19		829-1410		2	NUT, M10, Cl 10
20		87420673		2	HOSE CLAMP
21		87439665		2	SPACER
22		87420672		2	SPACER
23		192971A1		2	ORIFICE
24		84348221		1	SPACER
25		84348245		1	SCREW
26		896-11012		1	WASHER, M13.5 x 24.5 x 3, HT
27		84348263		1	SECURING STRAP
28		L18331		1	CABLE STRAP

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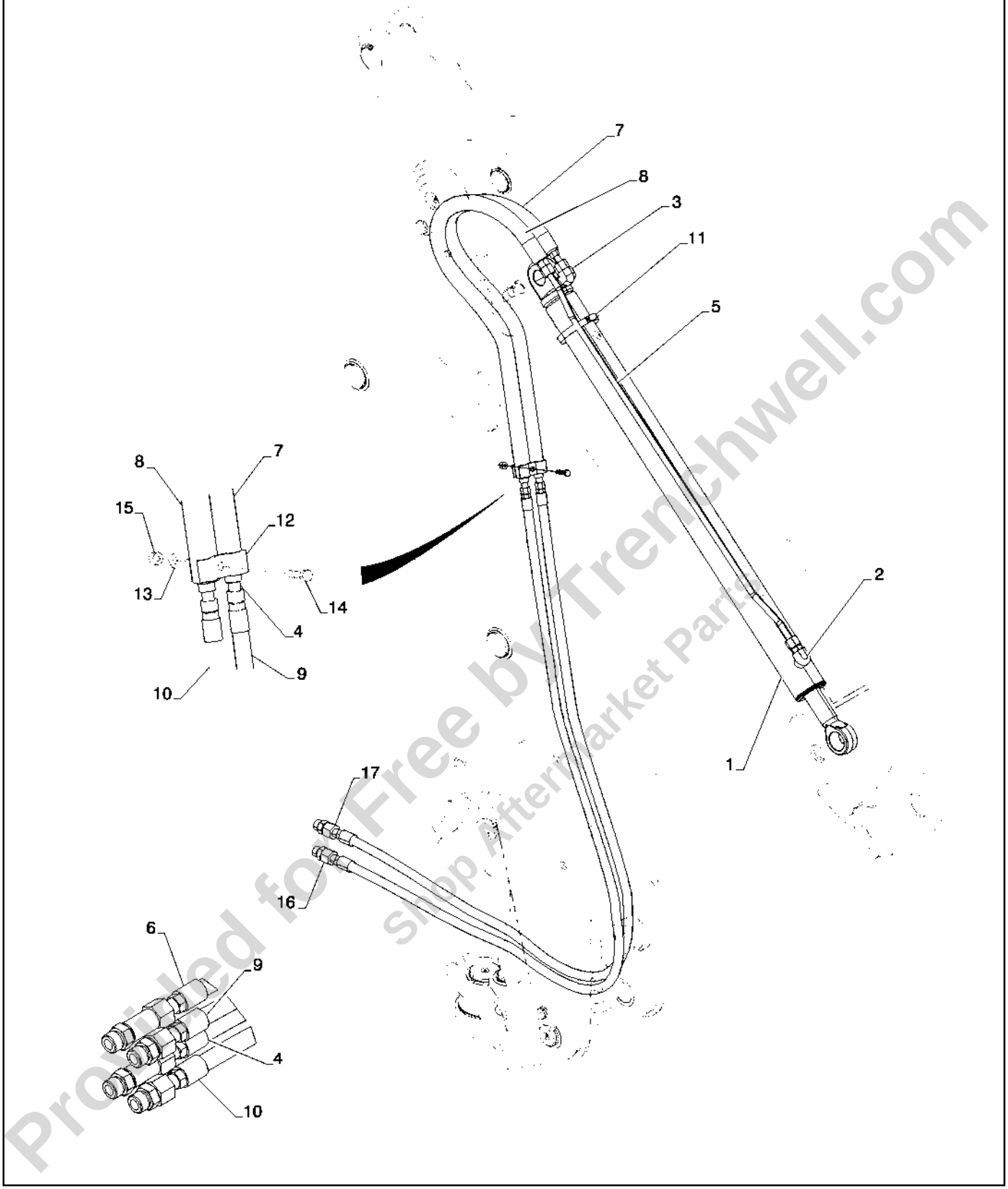
HYDRAULICS - BACKHOE EXTENDABLE DIPPER (580N,580SN, 580SN WT)



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HYDRAULICS - BACKHOE EXTENDABLE DIPPER (580N,580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84159675		1	CYLINDER
2		201-103		1	HYD CONNECTOR, 1"-14 ORFS x 7/8"-14 ORB
3		87675522		1	ELBOW
4		84257611		1	HYDRAULIC HOSE
5		84295701		1	HYD. TUBE
6		84281616		1	HOSE ASSY.
7		84283459		1	HOSE ASSY.
8		84283458		1	HOSE ASSY.
9		84257618		1	HYDRAULIC HOSE, Uses oring 9991976 (female end) and oring 9992069 (male end)
10		84263639		1	HOSE ASSY.
11		214-3172		1	HOSE CLAMP, 3.75/4.625 HD Worm
12		221525A1		4	CLAMP
13		87655046		7	SPECIAL WASHER
14		120114		1	FUSE
15		86500689		3	NUT, M10, Cl 10
16		9840535		2	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
17		87393627		2	HYD CONNECTOR
18		86982377		1	SEAL KIT, Complete (Not Shown)

580N 580SN WT
580SN

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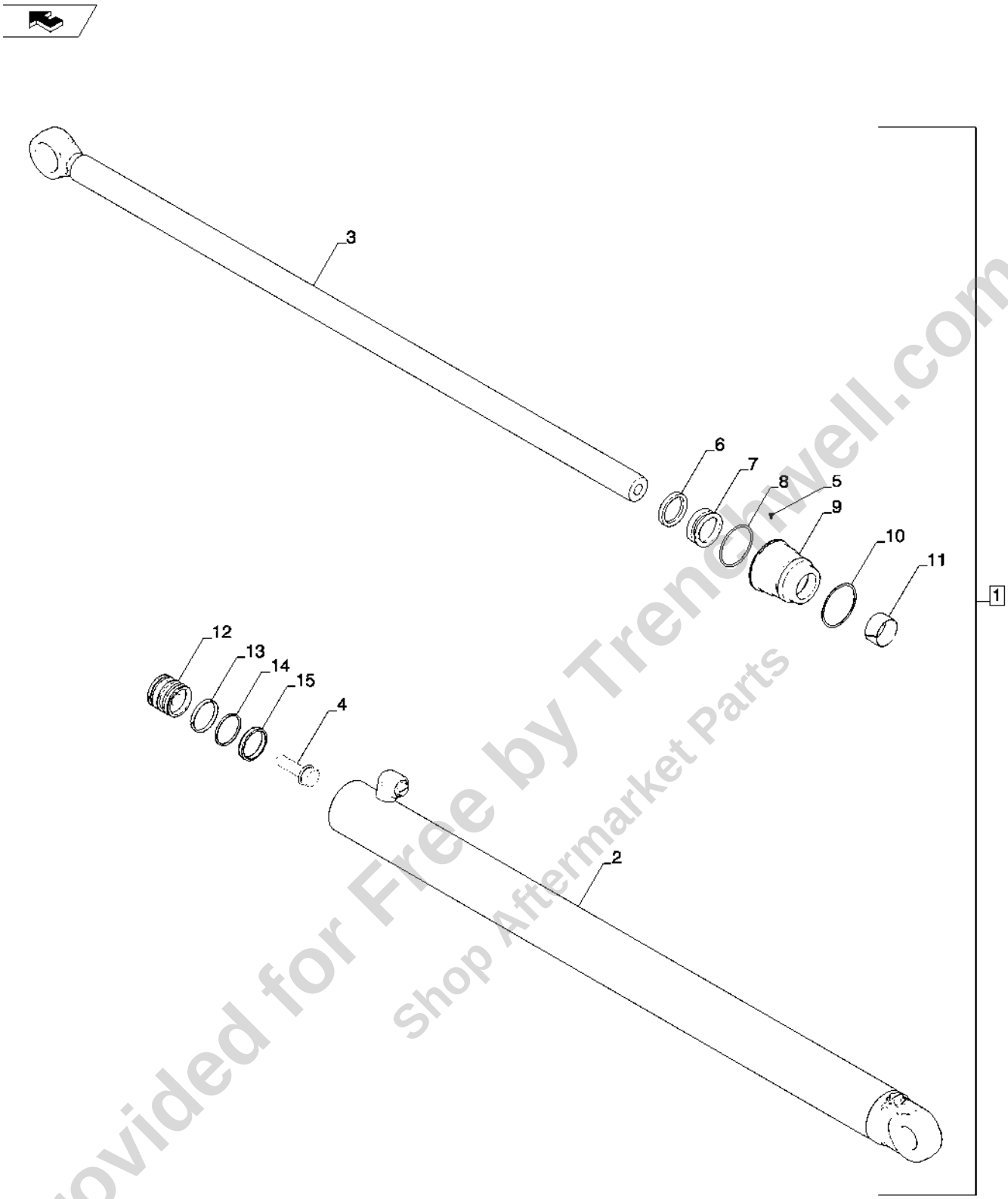
CYLINDER - BACKHOE EXTENDABLE DIPPER (580N,580SN, 580SN WT)



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CYLINDER - BACKHOE EXTENDABLE DIPPER (580N,580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84159675		1	CYLINDER
2		1340970C1		1	TUBE
3		84159680		1	ROD
4		86982435		1	SPECIAL BOLT
5		G109395		1	SELF-TAP SCREW
6		D95143		1	SEAL
7		1542875C1		1	SEAL KIT
8		238-5231		1	O-RING, -231, 70 Duro, 2.609" ID x .139" Thk
9		297281A1		1	GLAND
10		G109298		1	RING
11		G102425		1	BUSHING
12		G107277		1	PISTON
13		G100443		1	GASKET
14		G100444		1	SEAL
15		G100449		1	WEAR RING

580SN WT
580SN

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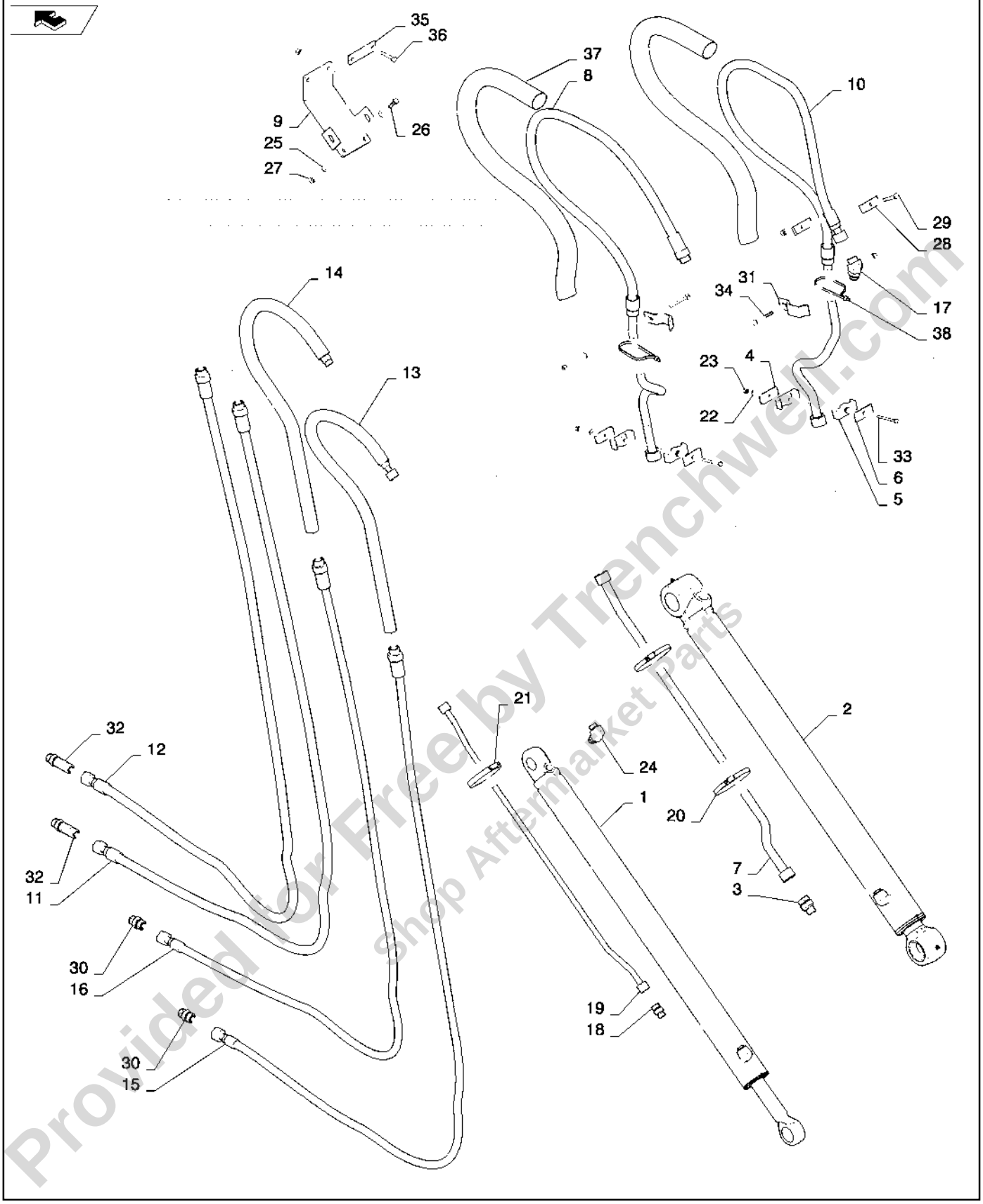
HYDRAULICS - BACKHOE EXTENDABLE DIPPER (590SN)



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HYDRAULICS - BACKHOE EXTENDABLE DIPPER (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84182292		1	HYDRAULIC CYLINDER, Extendable Dipper
2		84210936		1	HYDRAULIC CYLINDER, Bucket
3		201-130		1	HYD CONNECTOR, 1 7/16"-12 ORFS x 1 1/16"-12 ORB
4		84342644		2	PLATE
5		87000152		2	CLAMP
6		84283495		2	SECURING STRAP
7		84305542		1	TUBE, Bucket Cylinder Rod
8		84280711		1	HYD. TUBE, Bucket Cylinder Rod
9		84371413		1	BRACKET
10		84283817		1	HYD. TUBE, Bucker Cylinder Head
11		84264049		1	HOSE ASSY., Valve to Bucket Cylinder Head
12		84264050		1	HOSE ASSY., Valve to Bucket Cylinder Rod
13		84343076		1	HOSE, EHOE Cylinder Head
14		84343074		1	HOSE, EHOE Cylinder Rod
15		84264054		1	HOSE ASSY., Valve to EHOE Cylinder Head
16		84264055		1	HOSE ASSY., Vavle to EHOE Cylinder Rod
17		201-317		1	ELBOW, 45º, 1 3/16"-12 x 1 1/16"-12. Adj, ORFS
18		201-103		1	HYD CONNECTOR, 1"-14 ORFS x 7/8"-14 ORB
19		84295705		1	RIGID TUBE, EHOE Cylinder Rod
20		214-1472		2	HOSE CLAMP, #72, 4.06/5.00 Type F Worm
21		214-3172		1	HOSE CLAMP, 3.75/4.625 HD Worm
22		87655042		4	SPECIAL WASHER
23		412250		4	LOCK NUT, M8 x 1.25, Cl 8
24		87675522		1	ELBOW
25		87655046		4	SPECIAL WASHER
26		120112		2	BOLT, Hex, M10 x 40, 8.8, Full Thd
27		412141		5	LOCK NUT, M10 x 1.5, Cl 8
28		D143846		2	CLAMP
29		120071		1	BOLT, Hex, M10 x 65, 8.8
30		9840535		2	HYD CONNECTOR, 1 3/16"-12 ORFS x 1 1/16"-12 ORB
31		84284084		2	CLAMP
32		87393627		2	HYD CONNECTOR
33		120108		2	BOLT, Hex, M8 x 80, 8.8, Full Thd

590SN

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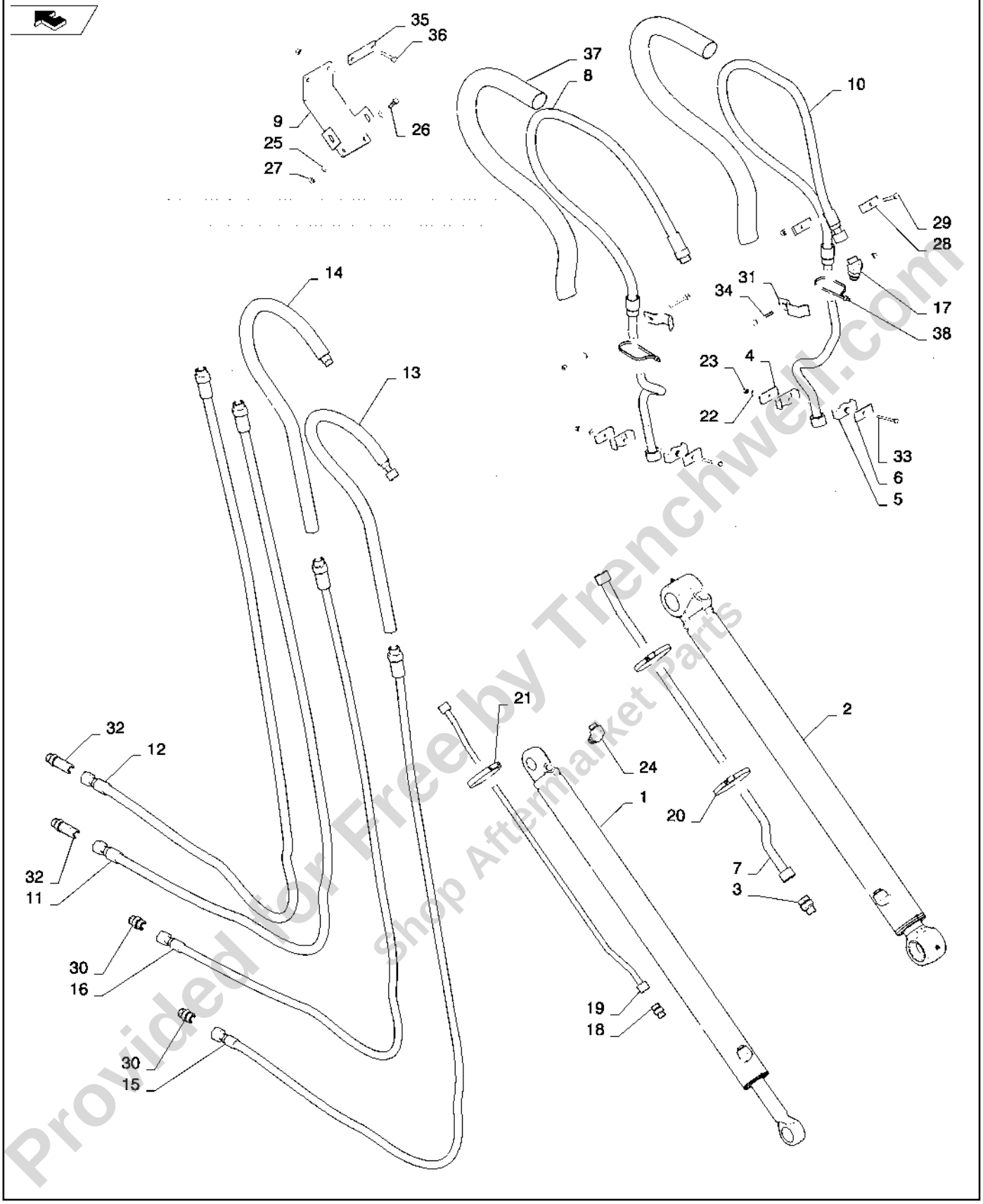
HYDRAULICS - BACKHOE EXTENDABLE DIPPER (590SN)



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HYDRAULICS - BACKHOE EXTENDABLE DIPPER (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
34		300660		2	CARRIAGE BOLT, Short NK, M8 x 70, Cl8.8
35		101479A1		1	SUPPORT
36		120113		2	BOLT, Hex, M10 x 50, 8.8, Full Thd
37		NS		2	NOT SERVICED, Protective Sleeve
38		L18331		2	CABLE STRAP

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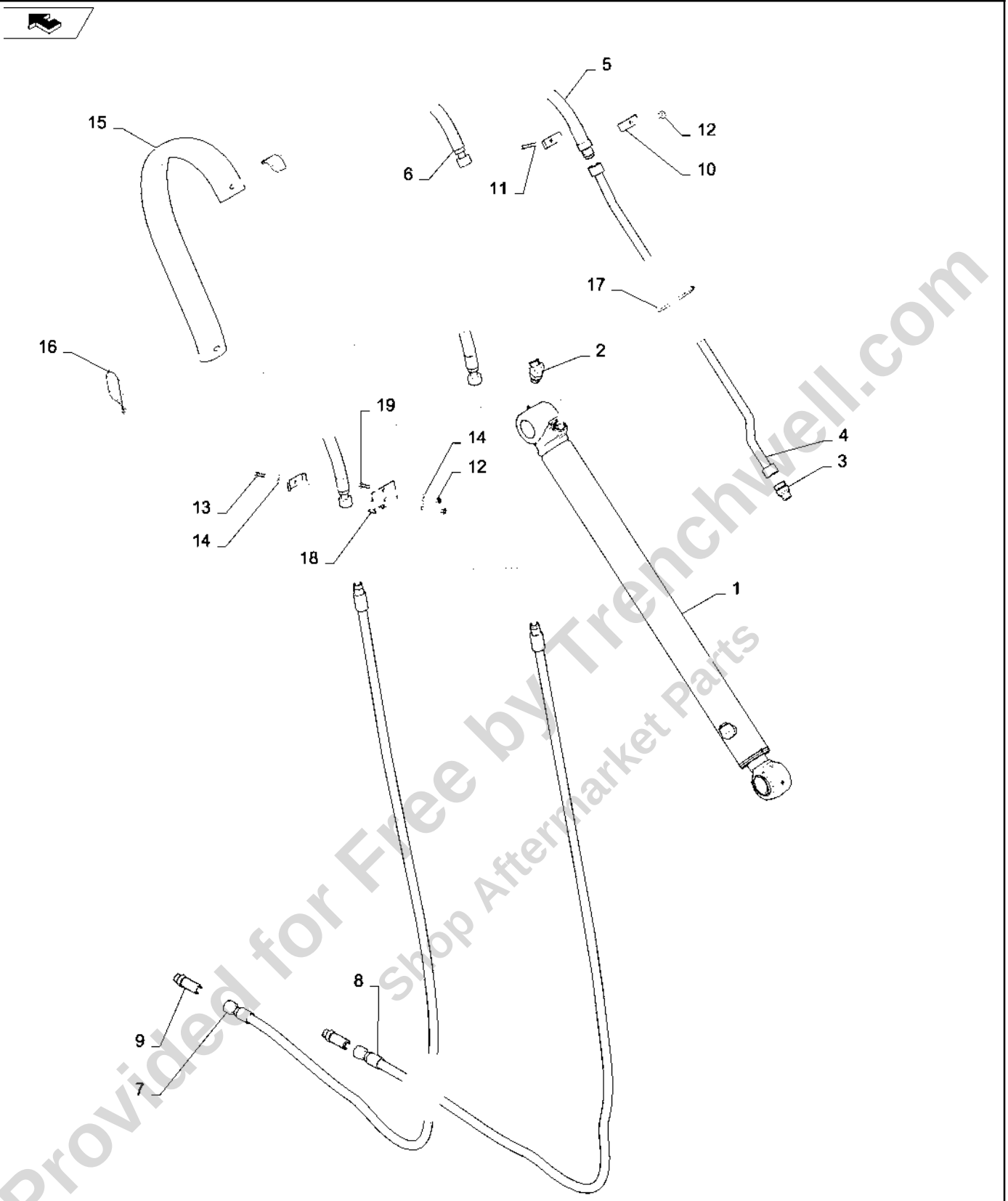
HYDRAULICS - BACKHOE STANDARD DIPPER (590SN)



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HYDRAULICS - BACKHOE STANDARD DIPPER (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84210936		1	HYDRAULIC CYLINDER
2		201-317		1	ELBOW, 45º, 1 3/16"-12 x 1 1/16"-12. Adj, ORFS
3		201-130		1	HYD CONNECTOR, 1 7/16"-12 ORFS x 1 1/16"-12 ORB
4		84305542		1	TUBE
5		84399341		1	HOSE ASSY.
6		84399343		1	HOSE ASSY.
7		84262450		1	HOSE ASSY.
8		84264059		1	HOSE ASSY.
9		87393627		2	HYD CONNECTOR
10		D143846		3	CLAMP
11		120070		1	BOLT, Hex, M10 x 60, 8.8
12		412141		3	LOCK NUT, M10 x 1.5, Cl 8
13		43144		1	BOLT, Hex, M10 x 70, 8.8
14		87655046		3	SPECIAL WASHER
15		84321337		1	SLEEVE
16		L18331		2	CABLE STRAP
17		214-1472		1	HOSE CLAMP, #72, 4.06/5.00 Type F Worm
18		84408244		1	HOSE CLAMP
19		43140		1	BOLT, Hex, M10 x 30, 8.8, Full Thd

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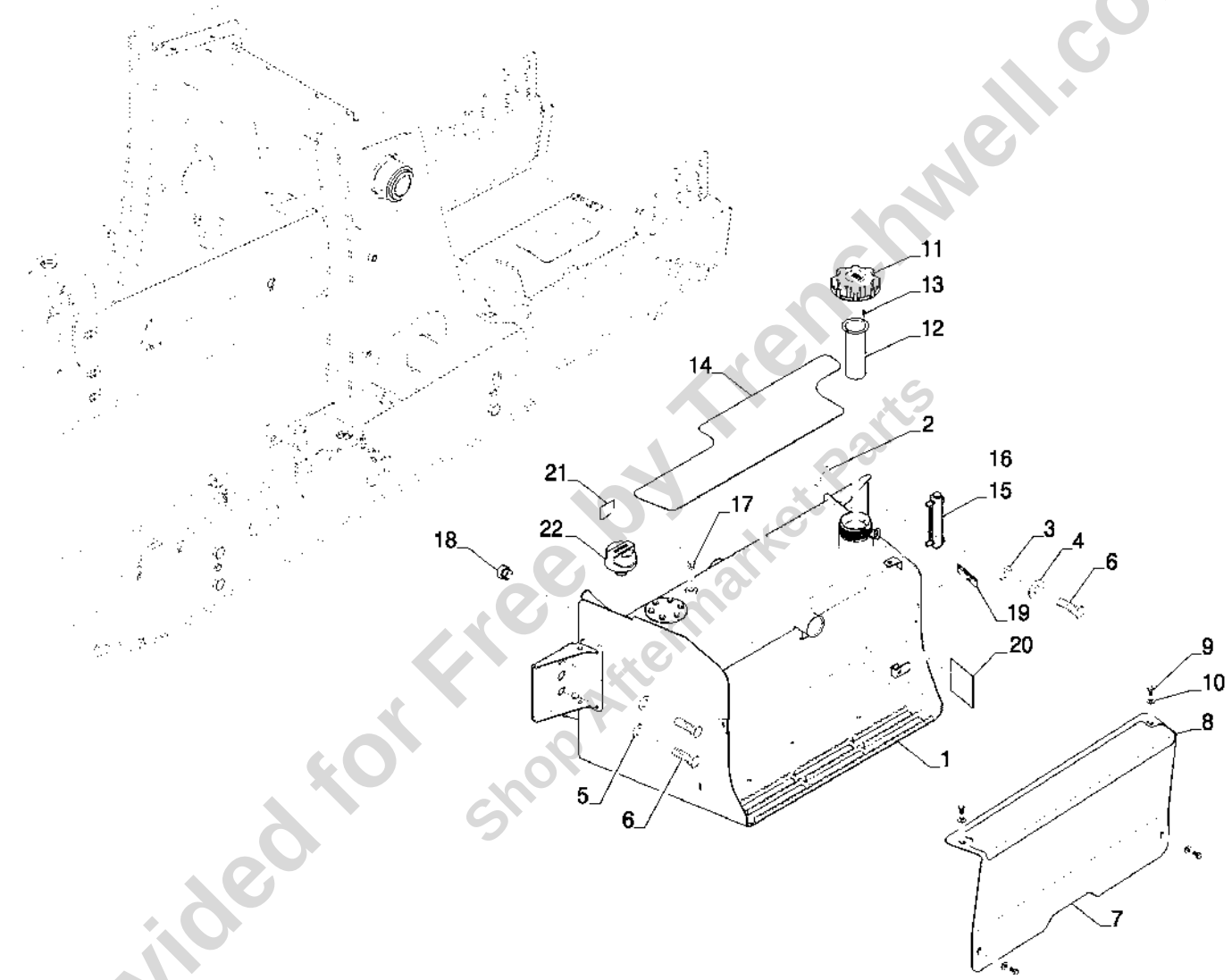
HYDRAULICS - TANK



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HYDRAULICS - TANK

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84323511		1	HYDRAULIC OIL RESERVOIR
2		87360280		1	SPACER
3		185926A1		2	SPACER
4		302358A1		2	WASHER
5		NS		2	NOT SERVICED
6		627-20060		4	BOLT, Hex, M20 x 60, 10.9
7		84281665		1	COVER, Battery
8		87719444		1	ANTI-SKID STRIP
9		614-8016		4	BOLT, Hex, M8 x 16, 8.8
10		895-15008		4	WASHER, M8 x 20 x 1.6
11		84298013		1	CAP
12		230857A1		1	FILTER SCREEN
13		NS		2	NOT SERVICED
14		84295099		1	ANTI-SKID STRIP
15		226456A1		1	LEVEL GAUGE
16		345-49		1	LOCTITE
17		218-5155		1	PLUG, Hex Hd, 9/16"-18 ORB
18		218-5158		1	PLUG, Hex Hd, 1 1/16"-12 ORB
19		321-229		1	DECAL
20		87673270		1	ADHESIVE STRIP
21		NS		1	NOT SERVICED, Tank Identification Label
22		84329587		1	BREATHER
23		87666894		1	COVER, Top of tank (Not Shown)
24		87666896		1	GASKET, Top of tank (Not Shown)

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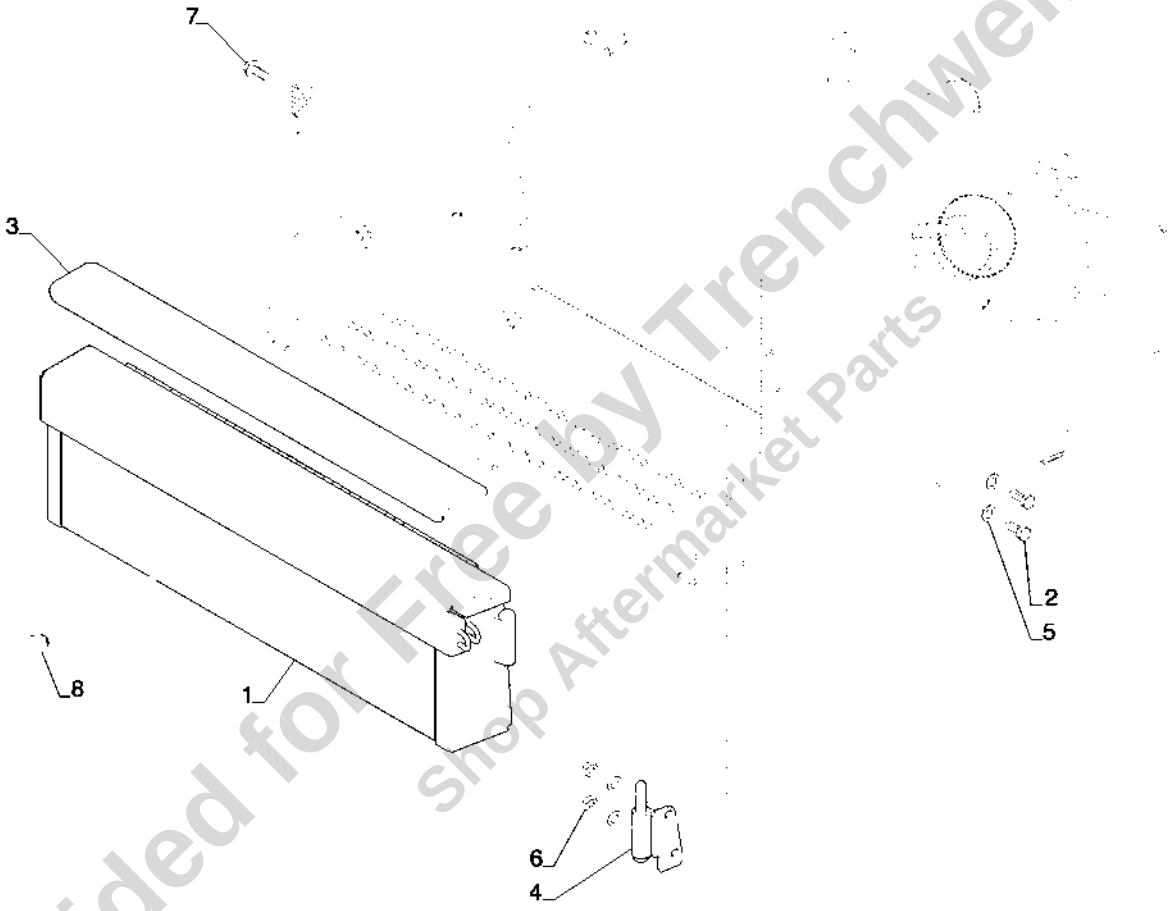
HYDRAULICS - TANK, TOOL BOX



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HYDRAULICS - TANK, TOOL BOX

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		380807A4		1	BOX, TOOL
2		614-10025		2	BOLT, Hex, M10 x 25, 8.8, Full Thd
3		87694065		1	ANTI-SKID STRIP
4		382202A2		1	HINGE
5		895-11010		4	WASHER, M10 x 20 x 2
6		829-1410		2	NUT, M10, Cl 10
7		121856A1		1	SCREW, Hex Wash Hd, M10 x 1.5 x 30, 10.9
8		L60224		1	BUMPER

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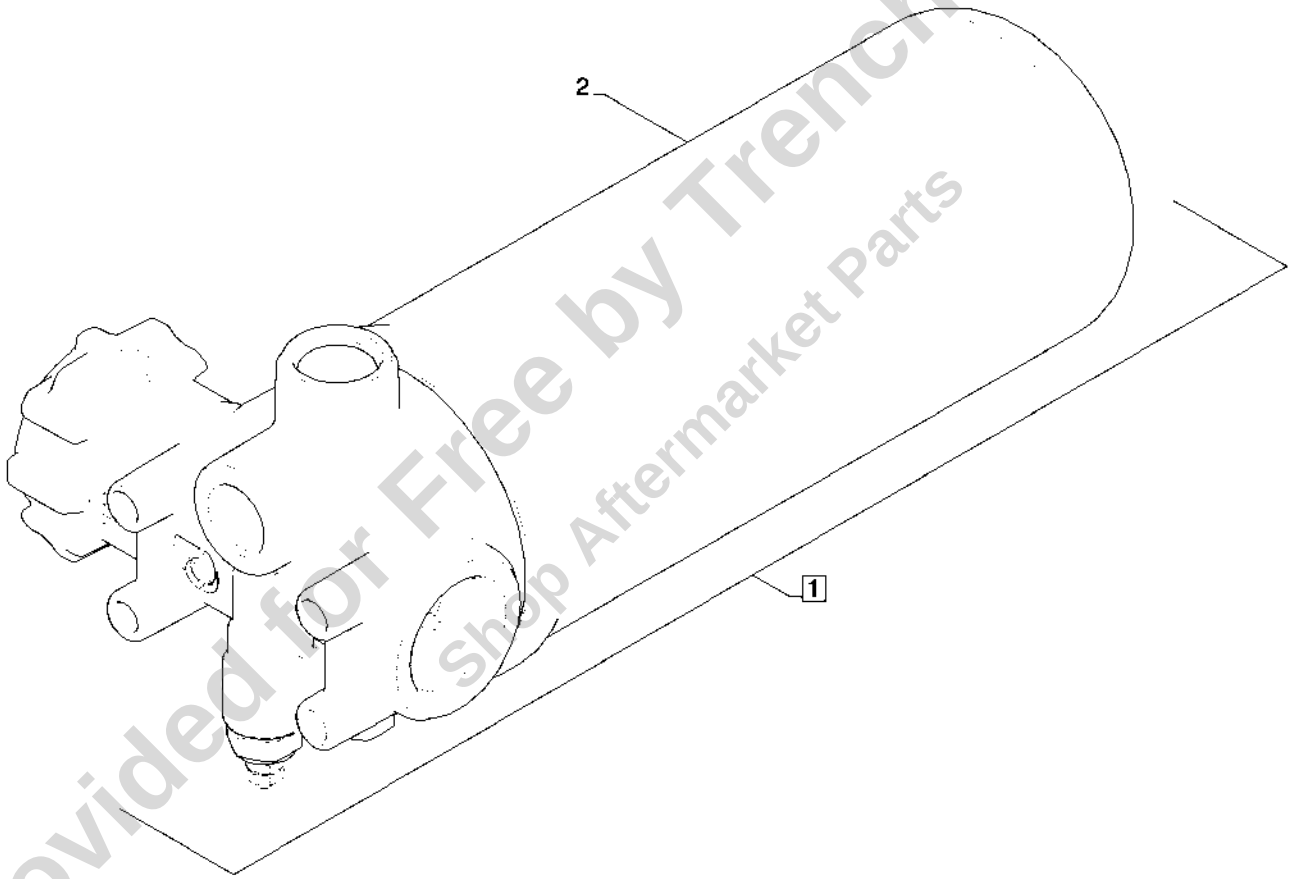
35.750.03		p1	07/11

HYDRAULICS - FILTER



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HYDRAULICS - FILTER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84248499		1	FILTER ASSY, Hydraulic, bypass
2		84255607		1	ELEMENT, Spin-on
3		84274694		1	WEAR RING, (Not Shown)

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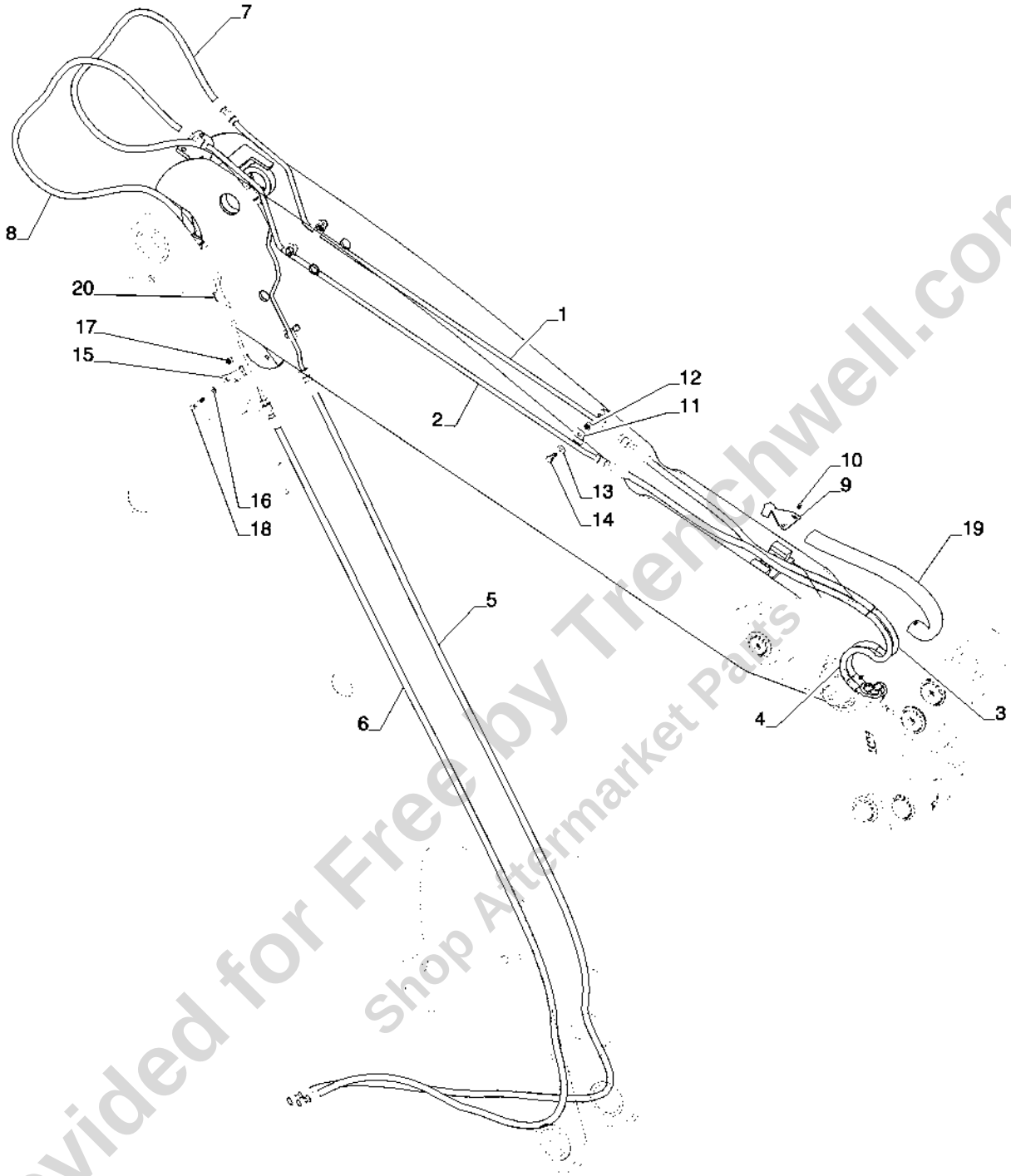
35.936.01		p1	03/11

HYDRAULICS - EXTENDABLE DIPPER COUPLER (590SN)



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HYDRAULICS - EXTENDABLE DIPPER COUPLER (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84263539		1	HYD. TUBE
2		84263543		1	HYD. TUBE
3		84338030		1	HYD. TUBE
4		84338027		1	HYD. TUBE
5		84329636		1	HOSE ASSY.
6		84329637		1	HOSE ASSY.
7		84263545		1	HYD. TUBE
8		84263547		1	HYD. TUBE
9		87418551		1	CLAMP
10		407975A1		2	HEX SOC SCREW
11		84261209		4	CLAMP
12		412141		4	LOCK NUT, M10 x 1.5, Cl 8
13		87655046		4	SPECIAL WASHER
14		935388		4	BOLT, Hex, M10 x 28, 8.8, Full Thd
15		84269591		2	CLAMP
16		87655042		2	SPECIAL WASHER
17		412250		2	LOCK NUT, M8 x 1.25, Cl 8
18		86625003		2	BOLT, Hex, M8 x 50, 10.9
19		84355976		1	PROTECTIVE SLEEVE
20		84372989		2	GUARD

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SECTION INDEX

37 - Hitches, **D**rawbars and **I**mplement **C**ouplings

37.000.00	PICTORIAL INDEX - TOWING HOOKS & BALLASTING
37.140.01	COUNTERWEIGHT, FRONT

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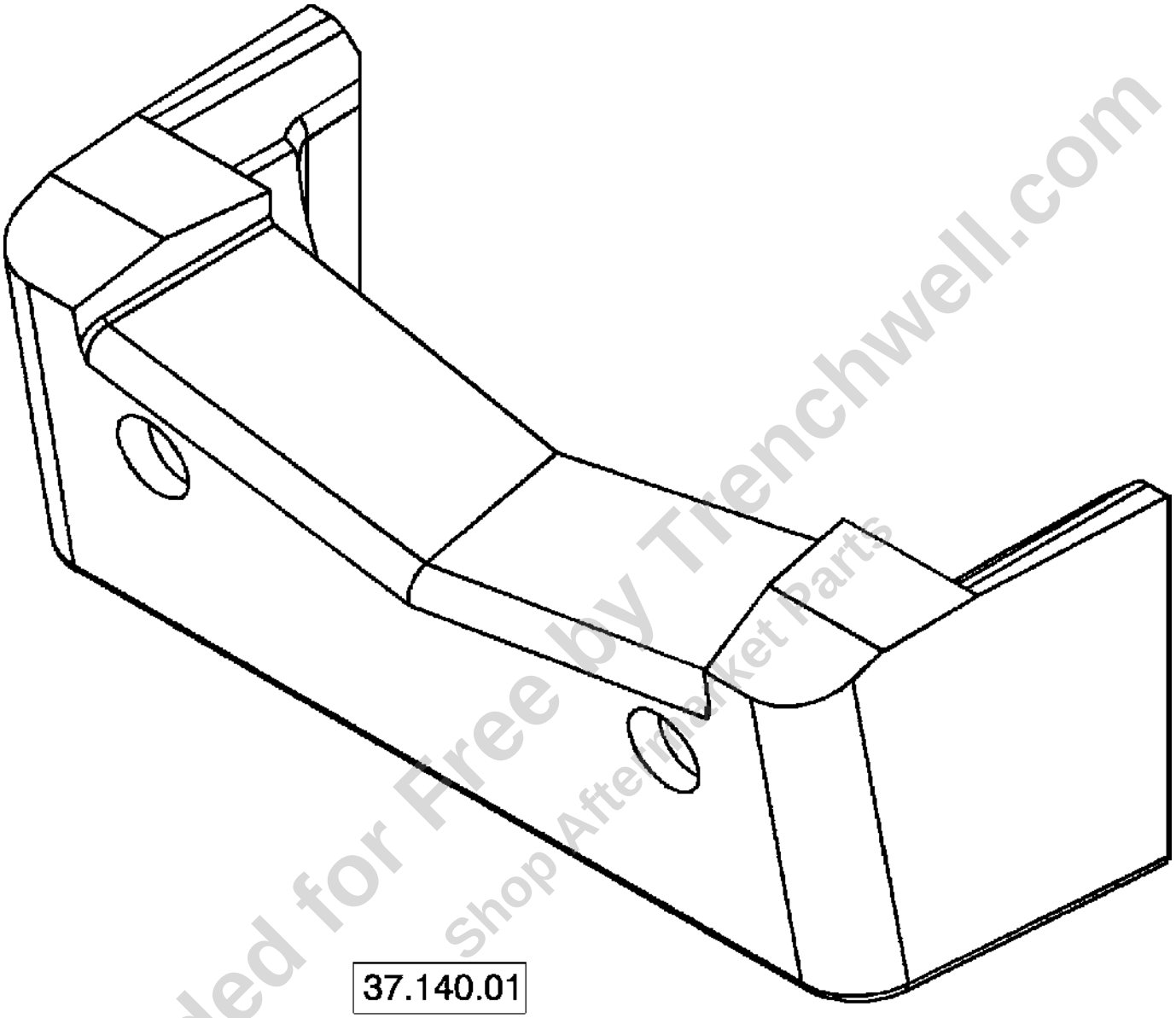
37.000.00		p1	09/10

PICTORIAL INDEX - TOWING HOOKS & BALLASTING



37.140.01

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PICTORIAL INDEX - TOWING HOOKS & BALLASTING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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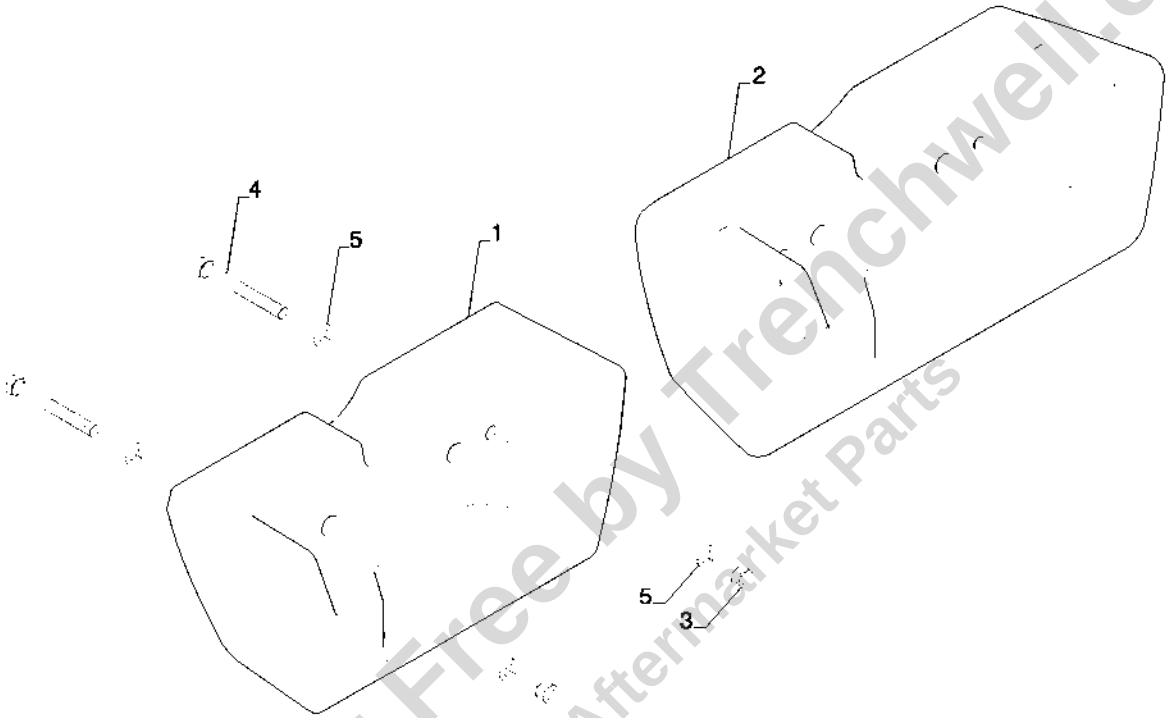
580N 590SN
580SN WT 580SN

http://www.minnparbackhoeparts.com/

37.140.01		p1	01/11

COUNTERWEIGHT, FRONT



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COUNTERWEIGHT, FRONT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84254687		1	COUNTERWEIGHT, 700lb
2		84254688		1	COUNTERWEIGHT, 1100lb
3		827-20170		2	BOLT, Hex, M20 x 170, 10.9
4		829-1420		2	NUT, M20, Cl 10
5		NS		4	NOT SERVICED

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SECTION INDEX

39 - Frames and **B**allasting

39.000.00		PICTORIAL INDEX - FRAME COMPONENTS
39.100.01		CHASSIS - FRAME BUSHINGS (580N, 580SN, 580SN WT)
39.100.02		CHASSIS - FRAME BUSHINGS (590SN)
39.100.03		CHASSIS - CAB MOUNTS, BARRIER CURTAIN, AND AIR INTAKE SCREEN
39.105.06		BACKHOE - SWING TOWER (580N)
39.105.07		BACKHOE - BOOM AND SWING TOWER (580N)
39.105.08		BACKHOE - BOOM AND SWING TOWER, 14' HEAVY (580SN, 580SN WT)
39.105.09		BACKHOE - BOOM AND SWING TOWER (590SN)
39.121.01	01	BACKHOE - DIPPER, EXTENDABLE (OUTER) (580N, 580SN, 580SN WT)
39.121.01	02	BACKHOE - DIPPER, EXTENDABLE (INNER) (580N, 580SN, 580SN WT)
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39.121.03		BACKHOE - COUPLER AND BUCKET PINS (580N, 580SN, 580SN WT)
39.121.04		BACKHOE - COUPLER AND BUCKET PINS (590SN)
39.121.05		BACKHOE - LINK, STRAIGHT (580N, 580SN, 580SN WT)
39.121.06	01	BACKHOE - HYDRAULIC COUPLER (580SN, 580SN WT, 590SN)
39.121.06	02	BACKHOE - HYDRAULIC COUPLER LINK AND BUCKET PIN (580SN, 580SN WT, 590SN)
39.121.07		BACKHOE - DIPPER, STANDARD (580SN, 580SN WT)
39.121.08		BACKHOE - DIPPER, STANDARD CYLINDER PIN
39.121.09		BACKHOE - DIPPER, STANDARD WITH HYDRAULIC COUPLER(590SN)
39.121.10		BACKHOE - DIPPER, STANDARD (590SN)
39.121.11		BACKHOE - DIPPER, STANDARD (580N)
39.125.01		FRAME - LOADER LIFT
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39.125.03		COUPLER, TOOL QUICK

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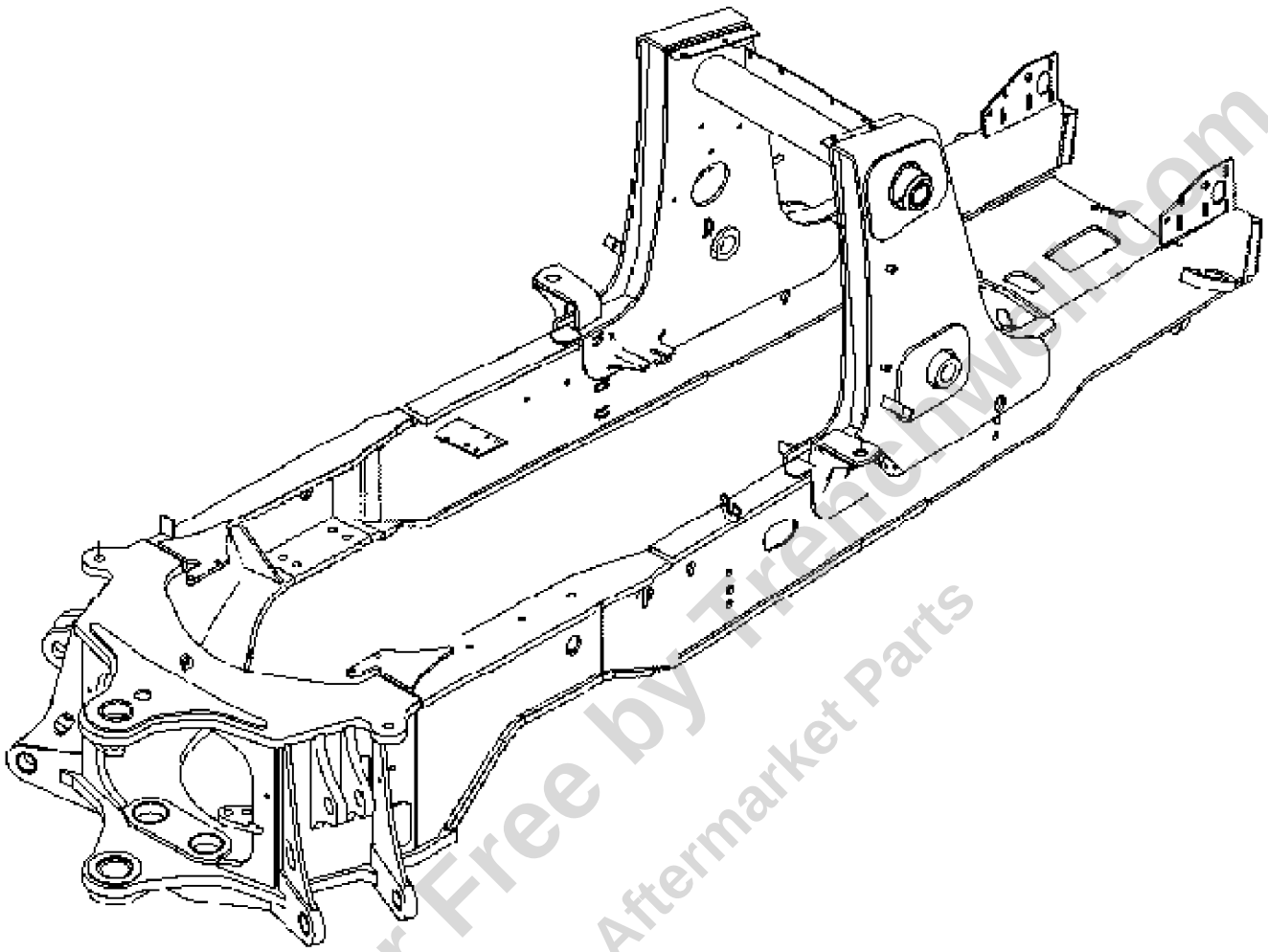
39.000.00		p1	09/10

PICTORIAL INDEX - FRAME COMPONENTS



39.100.02

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PICTORIAL INDEX - FRAME COMPONENTS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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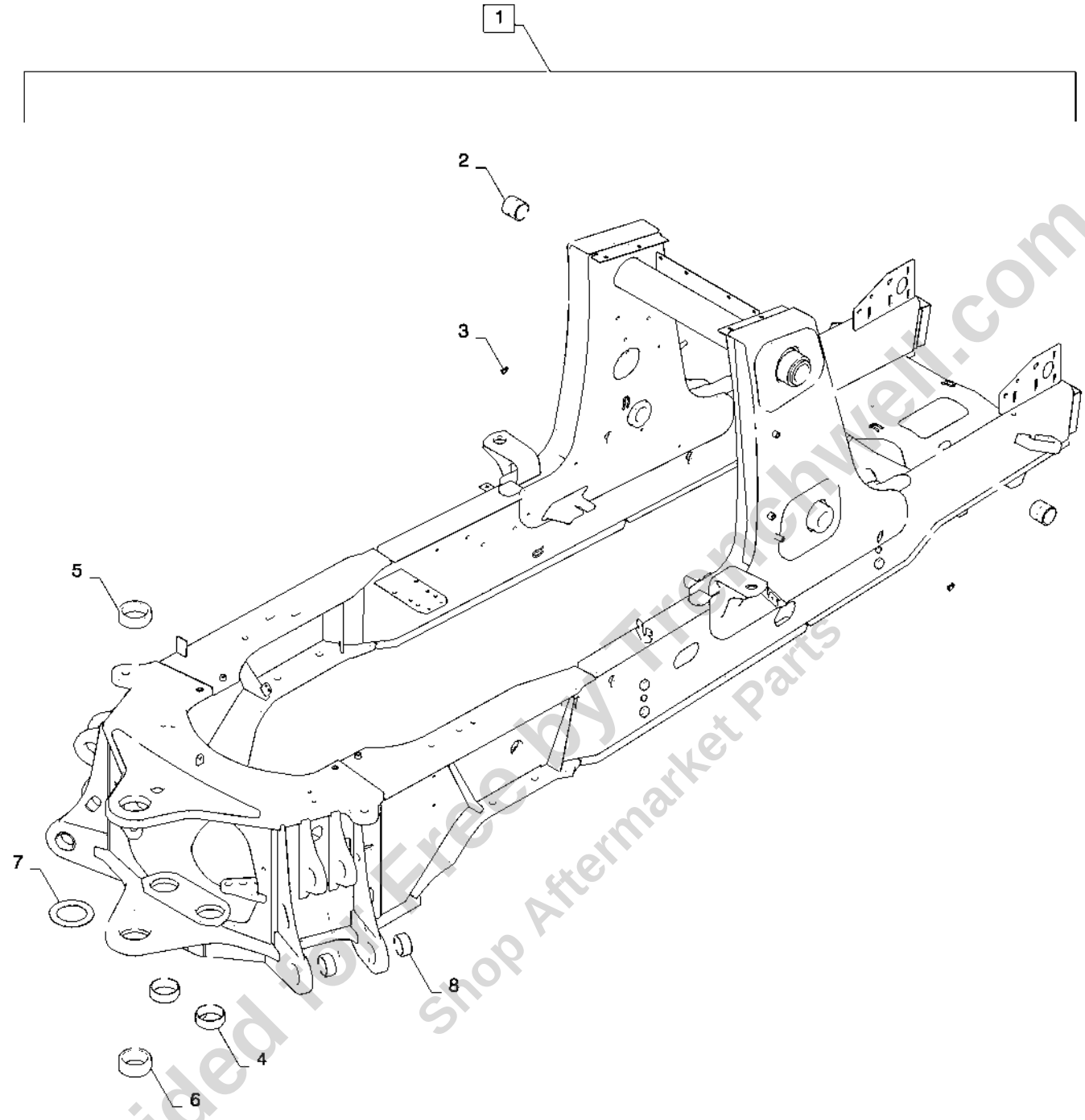
580N 590SN
580SN WT 580SN

http://www.minnparbackhoeparts.com/

39.100.01		p1	11/11

CHASSIS - FRAME BUSHINGS (580N, 580SN, 580SN WT)



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http://www.minnparbackhoeparts.com/

CHASSIS - FRAME BUSHINGS (580N, 580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		NS		1	NOT SERVICED, CHASSIS; Main Frame; Inc 2 - 8
2		84217542		2	BUSHING, Cross Tube
3		219-55		2	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
4		114318A1		2	BUSHING, 80 x 5 x 28.8
5		84226809		1	BUSHING, Backhoe Pivot Top
6		84226810		1	BUSHING, Backhoe Pivot Bottom
7		220413A1		1	SPACER, 93 x 135 x 5 mm; Welded-On
8		84326305		4	BUSHING, Stabilizer

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580SN WT 580SN
580N

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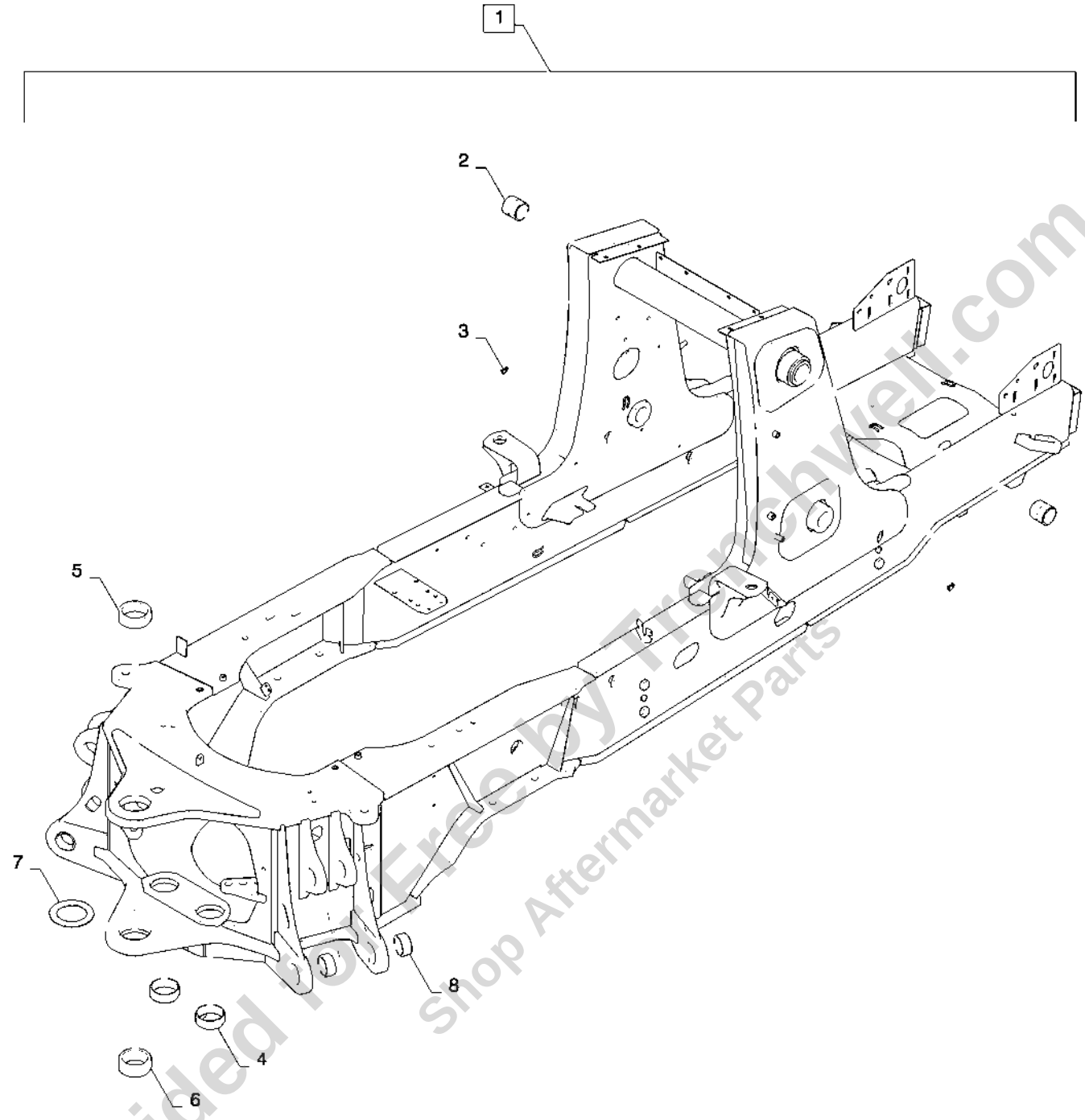
39.100.02		p1	11/11

CHASSIS - FRAME BUSHINGS (590SN)



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CHASSIS - FRAME BUSHINGS (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		NS		1	NOT SERVICED, CHASSIS; Main Frame; Inc 2 - 8
2		84217542		2	BUSHING, Cross Tube
3		219-55		2	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
4		114318A1		2	BUSHING, 80 x 5 x 28.8
5		84226811		1	BUSHING, Backhoe Pivot Top
6		84226811		1	BUSHING, Backhoe Pivot Bottom
7		220413A1		1	SPACER, 93 x 135 x 5 mm; Welded-On
8		84326305		4	BUSHING, Stabilizer

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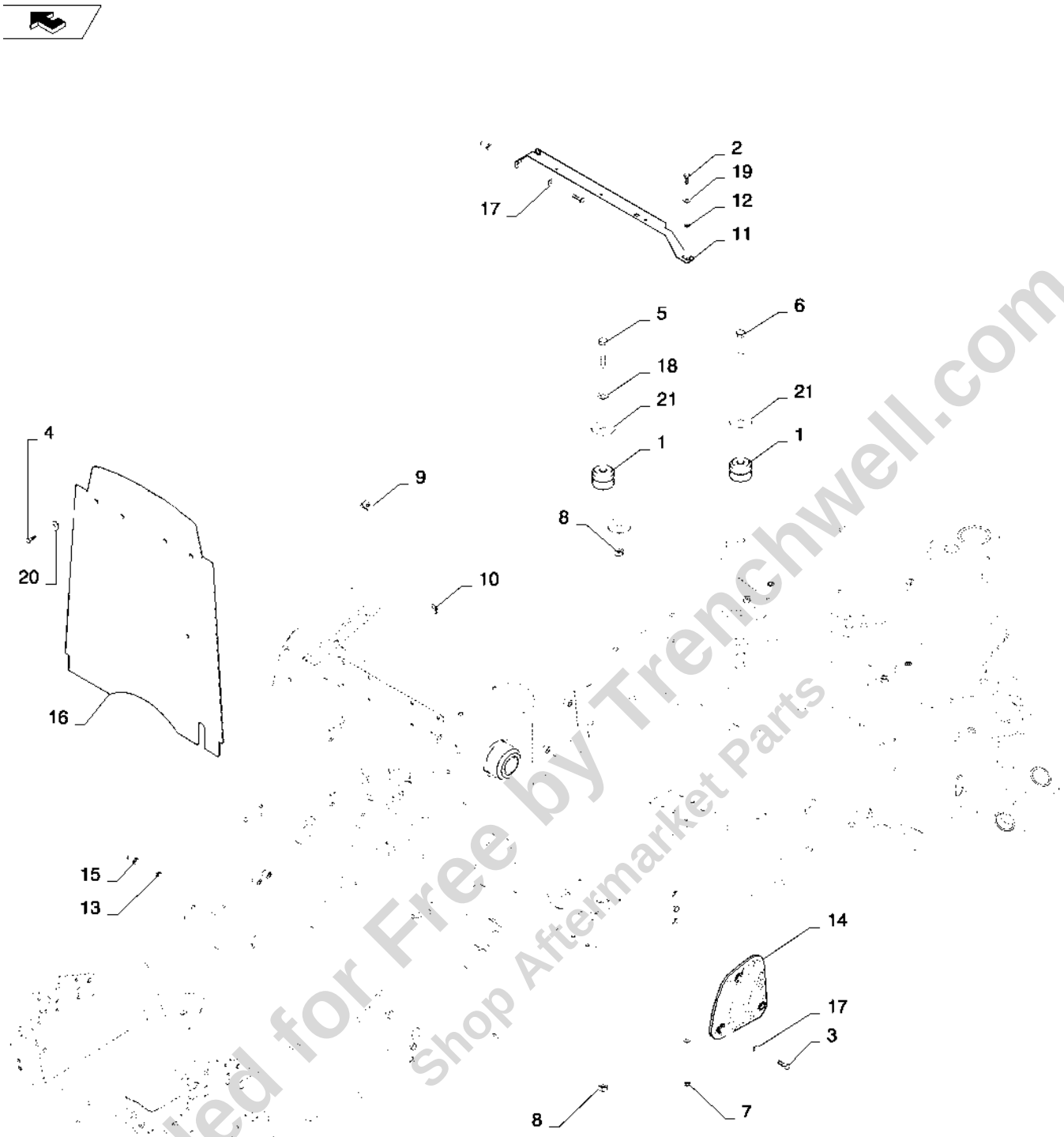
39.100.03		p1	11/11

CHASSIS - CAB MOUNTS, BARRIER CURTAIN, AND AIR INTAKE SCREEN



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CHASSIS - CAB MOUNTS, BARRIER CURTAIN, AND AIR INTAKE SCREEN

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		411892A1		4	RUBBER MOUNTING, Isolator
2		614-10025		1	BOLT, Hex, M10 x 25, 8.8, Full Thd
3		614-8030		4	BOLT, Hex, M8 x 30, 8.8
4		806-8025		4	BOLT, Hex, Lock, M8 x 25, Cl 10.9
5		827-16085		2	BOLT, Hex, M16 x 85, 10.9
6		827-16100		2	BOLT, Hex, M16 x 100, 10.9
7		829-1410		1	NUT, M10, Cl 10
8		829-1416		4	NUT, M16, Cl 10
9		833-40310		4	NUT, M10, U
10		833-40408		4	NUT, M8, U
11		84254110		1	BRACKET, SUPPORTING, C Channel
12		84342280		1	SPACER
13		87310109		3	SPACER
14		87324160		1	SCREEN, Air Intake
15		87417383		4	THREADED INSERT
16		87652272		1	CURTAIN, Hanging Barrier
17		87655042		4	SPECIAL WASHER
18		87655044		2	SPECIAL WASHER
19		87655046		2	SPECIAL WASHER
20		87687101		4	WASHER
21		186977A1		6	WASHER

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39.105.06		p1	03/12

BACKHOE - SWING TOWER (580N)

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BACKHOE - SWING TOWER (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84304025		1	TOWER, Assy; Incl Ref 2 - 5
2		84230813		2	BUSHING
3		84326989		4	BUSHING
4		135249A1		4	BUSHING
5		84235607		4	BUSHING

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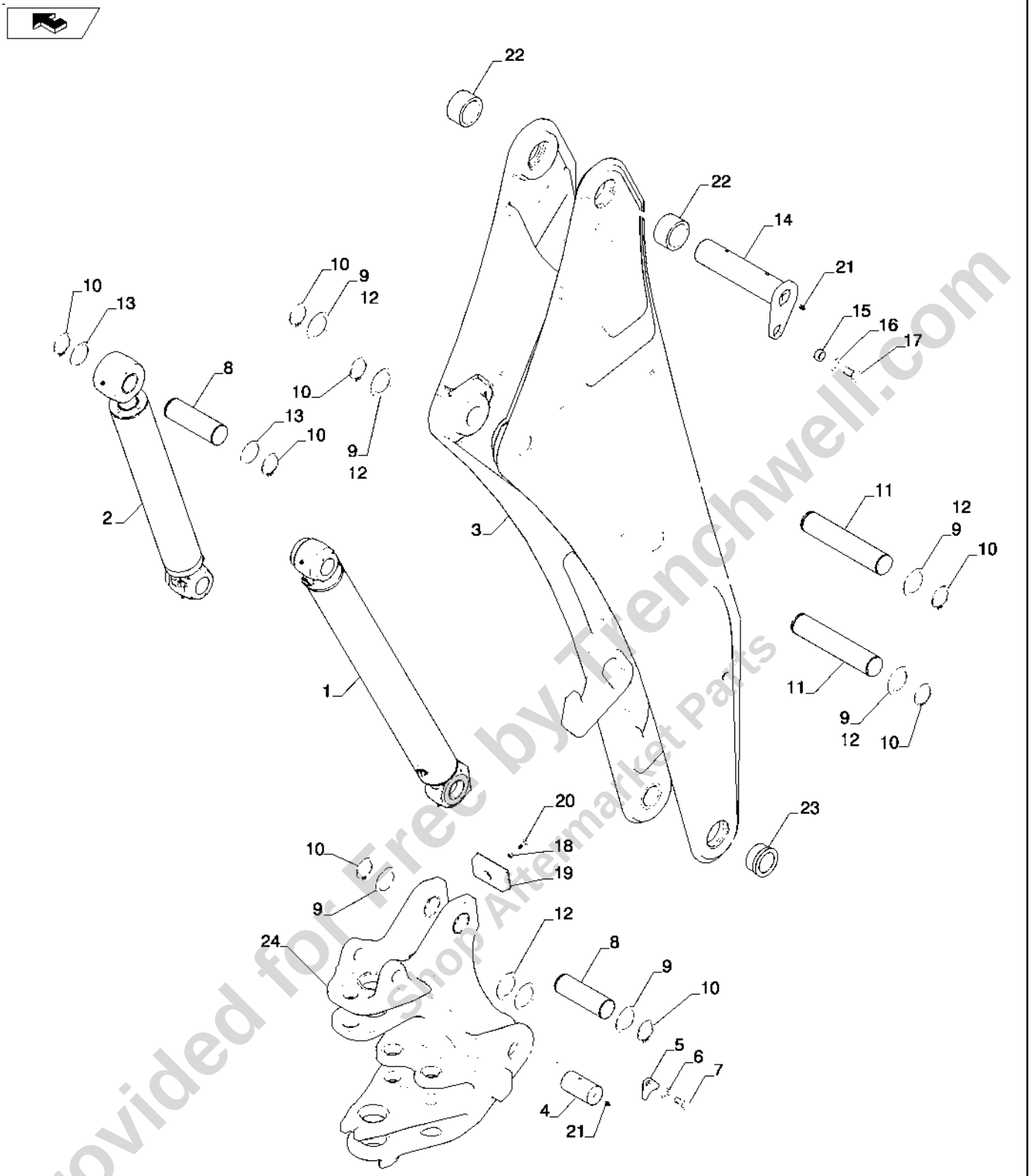
39.105.07		p1	03/12

BACKHOE - BOOM AND SWING TOWER (580N)



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BACKHOE - BOOM AND SWING TOWER (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84300143		1	CYLINDER, Boom
2		84290402		1	CYLINDER, Dipper
3		84245855		1	BOOM, With Bushings
4		84248744		2	PIN
5		84246323		2	RETAINER
6		NS		2	NOT SERVICED, Washer
7		84246776		2	PREV TORQUE BOLT
8		84217317		2	PIN
9		123318A1		6	WASHER
10		84224886		8	RING
11		84248656		2	PIN
12		84255579		3	SHIM
13		84224845		2	SPACER
14		84217319		1	PIN
15		122897A1		1	SPACER
16		NS		1	NOT SERVICED, Washer
17		604-20040		1	BOLT, Hex, Lock, M20 x 40, Cl 8.8
18		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
19		84245639		1	BUMPER
20		711-10040		1	CARRIAGE BOLT, Short NK, M10 x 40, Cl8.8, Full Thd
21		219-1		5	LUBE NIPPLE, 1/8"-27 x .66 lg
22		84240578		2	BUSHING
23		84246051		2	BUSHING
24		84304025		1	TOWER, See Fig. 39.105.06

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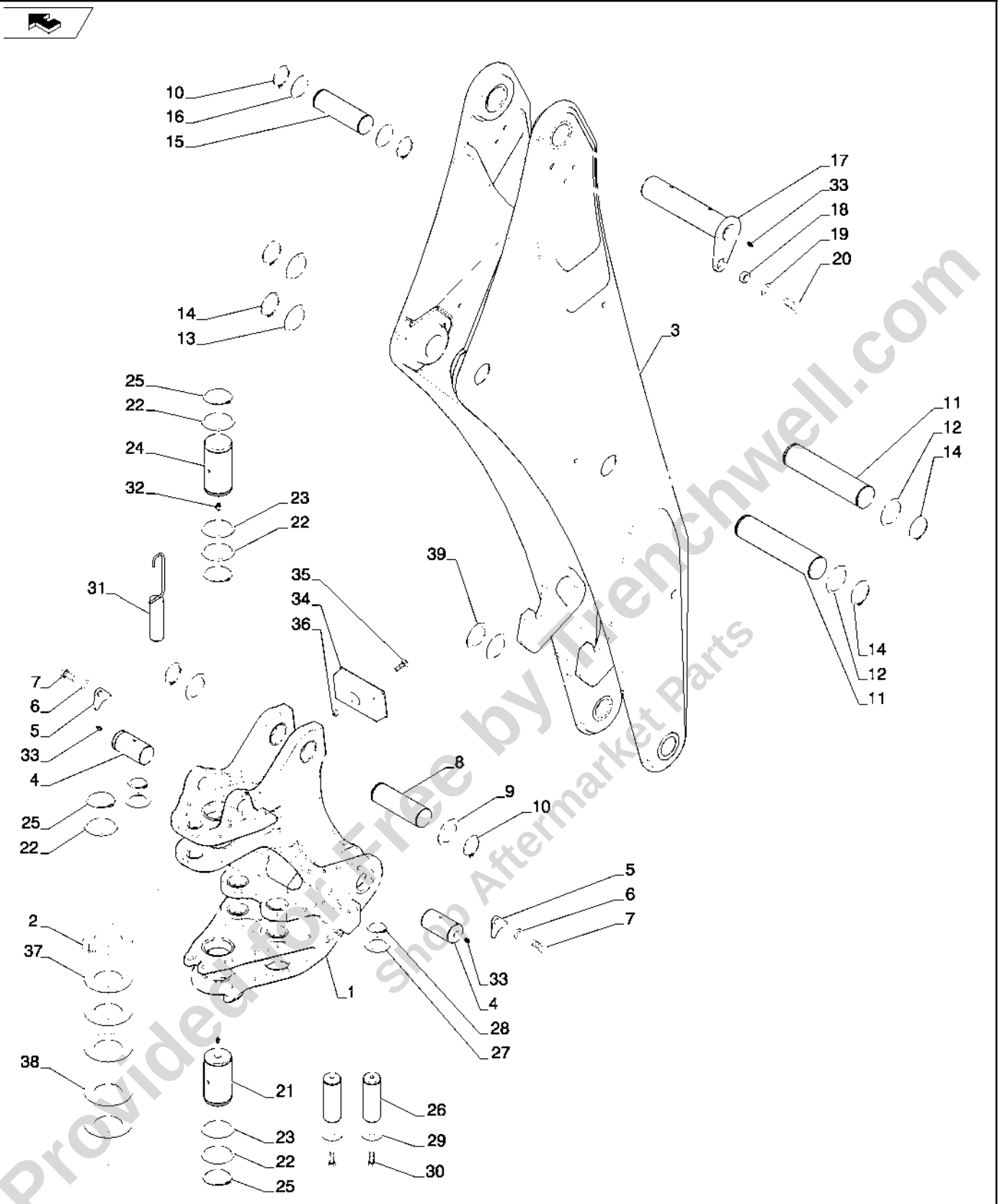
39.105.08		p1	05/11

BACKHOE - BOOM AND SWING TOWER, 14' HEAVY (580SN, 580SN WT)



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BACKHOE - BOOM AND SWING TOWER, 14' HEAVY (580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84304025		1	TOWER
2		84246814		1	SPECIAL WASHER
3		84238460		1	BOOM
4		84248744		2	PIN
5		84246323		2	RETAINER
6		NS		2	NOT SERVICED
7		84246776		2	PREV TORQUE BOLT
8		84217316		1	PIN
9		84255579		3	SHIM
10		84224886		4	RING
11		84230833		2	PIN
12		D136392		2	SHIM, 3.05mm Thk
13		D136391		2	SHIM, 1.57mm Thk
14		800-40070		4	SNAP RING, M70 Ext
15		84217317		1	PIN
16		84224845		2	SPACER
17		84217319		1	PIN
18		122897A1		1	SPACER
19		NS		1	NOT SERVICED
20		604-20040		1	BOLT, Hex, Lock, M20 x 40, Cl 8.8
21		84249274		1	PIN
22		D144485		4	SHIM, 3.05mm Thk
23		D144486		2	SHIM, 1.57mm Thk
24		84249275		1	PIN
25		800-40080		4	SNAP RING, M80, Ext
26		84261887		2	PIN
27		495-81227		2	WASHER, 2 1/16" x 2 15/16" x .060"
28		103-16200		2	SNAP RING, #200, Ext
29		84265979		2	SPECIAL WASHER
30		86566268		2	LOCK BOLT
31		84412541		1	PIN ASSY.
32		219-55		1	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
33		219-1		5	LUBE NIPPLE, 1/8"-27 x .66 lg
34		84245639		1	BUMPER

580SN WT
580SN

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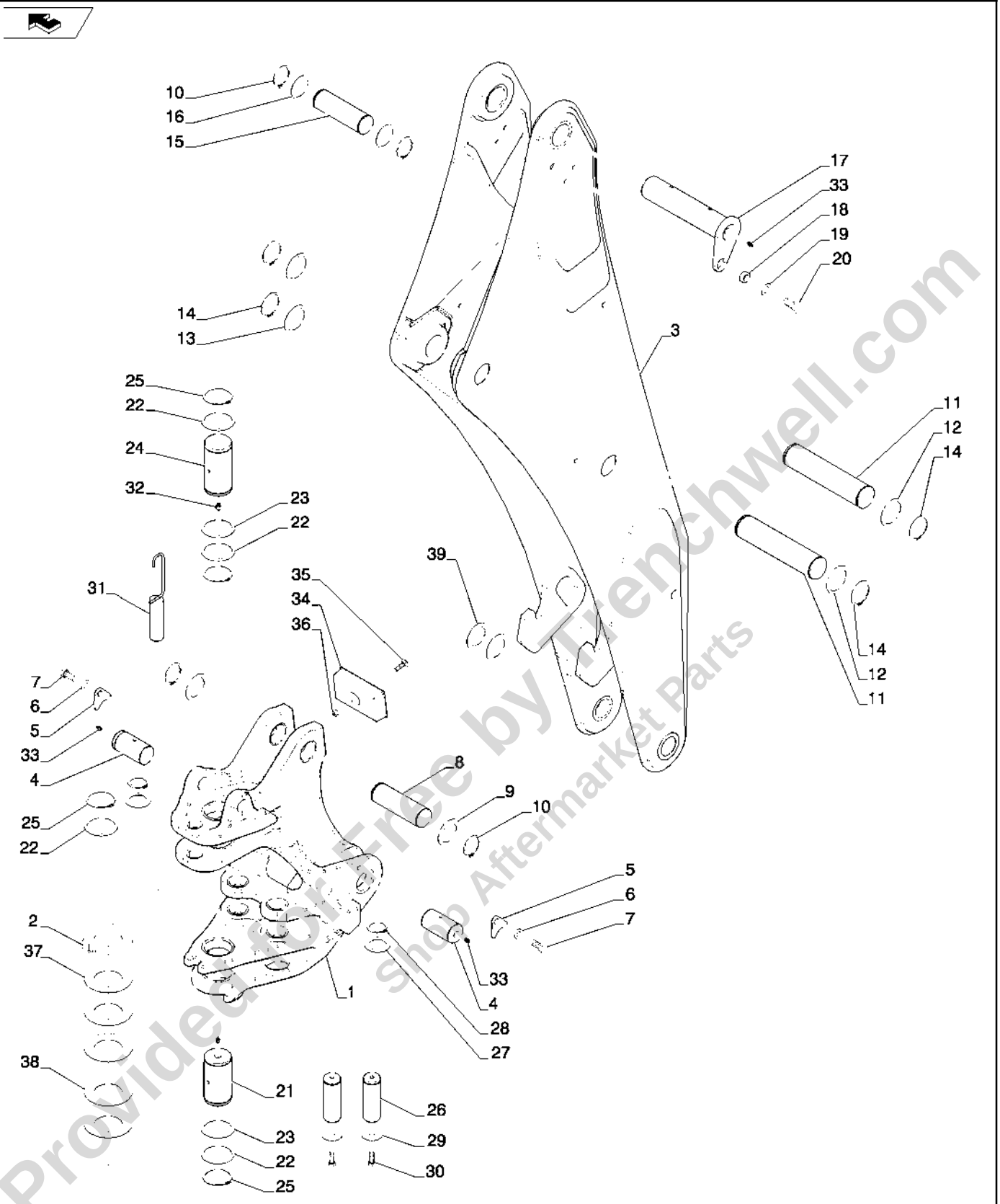
39.105.08		p2	05/11

BACKHOE - BOOM AND SWING TOWER, 14' HEAVY (580SN, 580SN WT)



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BACKHOE - BOOM AND SWING TOWER, 14' HEAVY (580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
35		711-10040		1	CARRIAGE BOLT, Short NK, M10 x 40, Cl8.8, Full Thd
36		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
37		84261891		3	SHIM
38		84261890		2	SHIM
39		123318A1		2	WASHER
40		84240578		2	BUSHING, 70 x 10 x 50 Used with Ref 17 (Not Shown)
41		84246051		2	BUSHING, (Not Shown)

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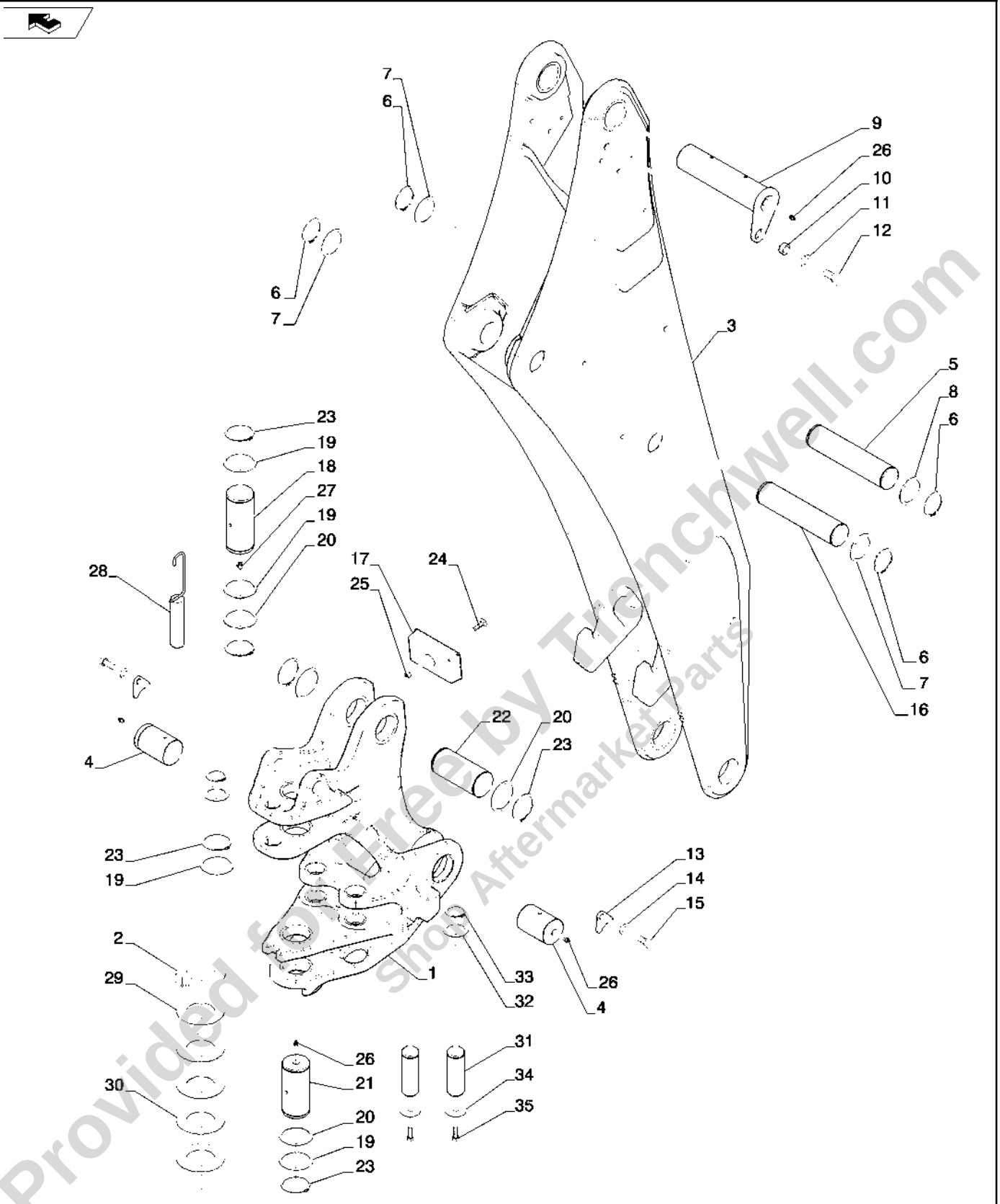
39.105.09		p1	02/12

BACKHOE - BOOM AND SWING TOWER (590SN)



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BACKHOE - BOOM AND SWING TOWER (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84304072		1	TOWER, Swing
2		84246814		1	SPECIAL WASHER
3		84238031		1	BOOM, 15 Foot
4		84230831		2	PIN, Boom To Tower
5		84230833		2	PIN, Cylinders To Boom
6		800-40070		6	SNAP RING, M70 Ext
7		D136391		3	SHIM, 1.57mm Thk
8		D136392		3	SHIM, 3.05mm Thk
9		84230834		1	PIN, Boom To Dipper
10		122897A1		1	SPACER
11		84230833		1	PIN
12		604-20040		1	BOLT, Hex, Lock, M20 x 40, Cl 8.8
13		84246323		2	RETAINER, Boom To Tower Pin
14		87655044		2	SPECIAL WASHER
15		84246776		2	PREV TORQUE BOLT
16		84230835		1	PIN, Dipper Cylinder To Dipper
17		84245639		1	BUMPER
18		84246817		1	PIN, Upper Tower
19		D144485		4	SHIM, 3.05mm Thk
20		D144486		6	SHIM, 1.57mm Thk
21		84246816		1	PIN, Lower Tower
22		84247078		1	PIN, Boom Cylinder To Tower
23		800-40080		6	SNAP RING, M80, Ext
24		711-10040		1	CARRIAGE BOLT, Short NK, M10 x 40, Cl8.8, Full Thd
25		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
26		219-1		5	LUBE NIPPLE, 1/8"-27 x .66 lg
27		219-55		1	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
28		84249358		1	PIN, Swing Lock
29		84261891		3	SHIM, 3.00mm Thk; Swing Tower
30		84261890		2	SHIM, 2.00mm Thk; Swing Tower
31		84261887		2	PIN, Swing Cylinder Eye
32		495-81227		2	WASHER, 2 1/16" x 2 15/16" x .060"
33		103-16200		2	SNAP RING, #200, Ext
34		84265979		2	SPECIAL WASHER, Pin Retainer

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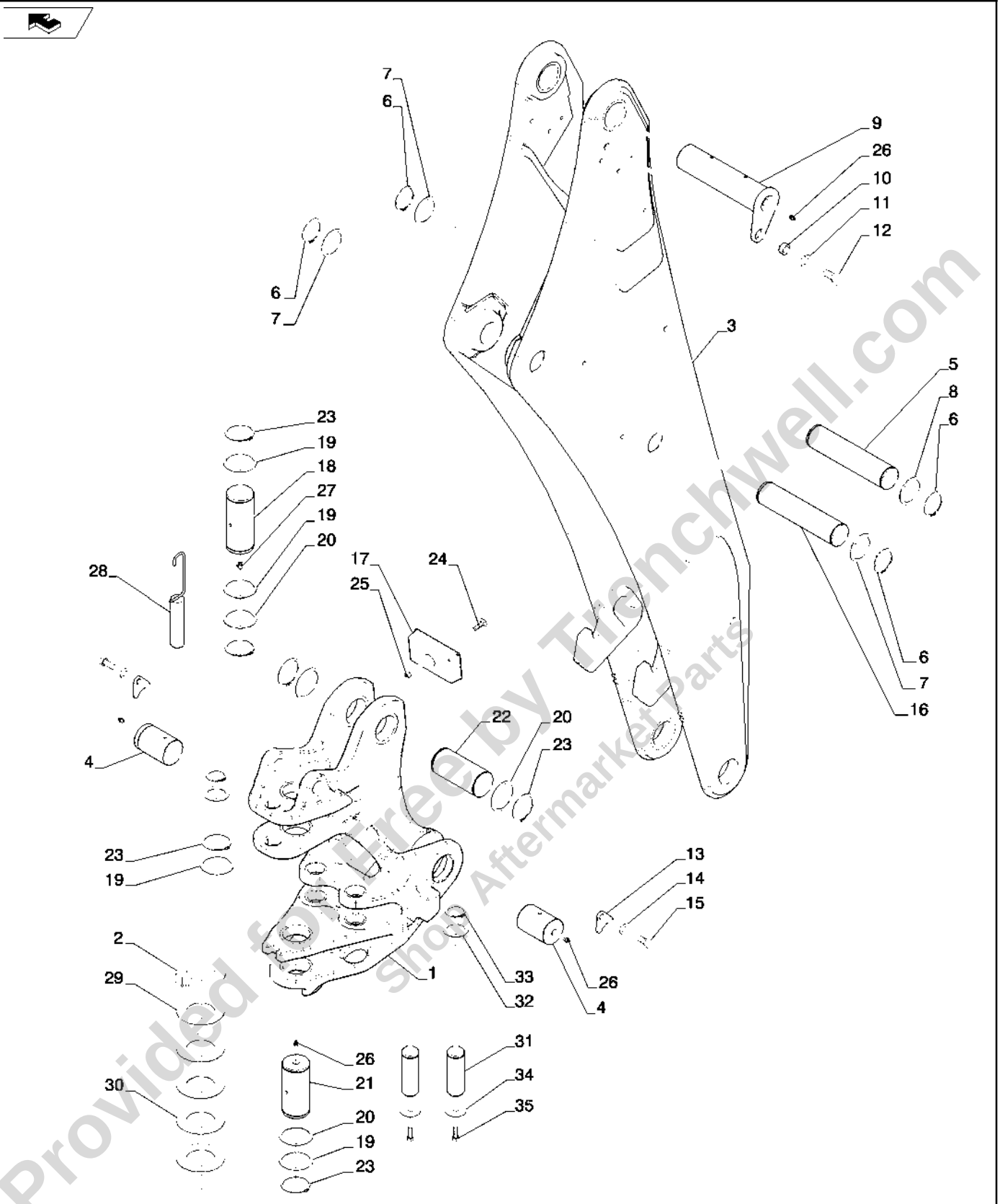
39.105.09		p2	02/12

BACKHOE - BOOM AND SWING TOWER (590SN)



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BACKHOE - BOOM AND SWING TOWER (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
35		86566268		2	LOCK BOLT

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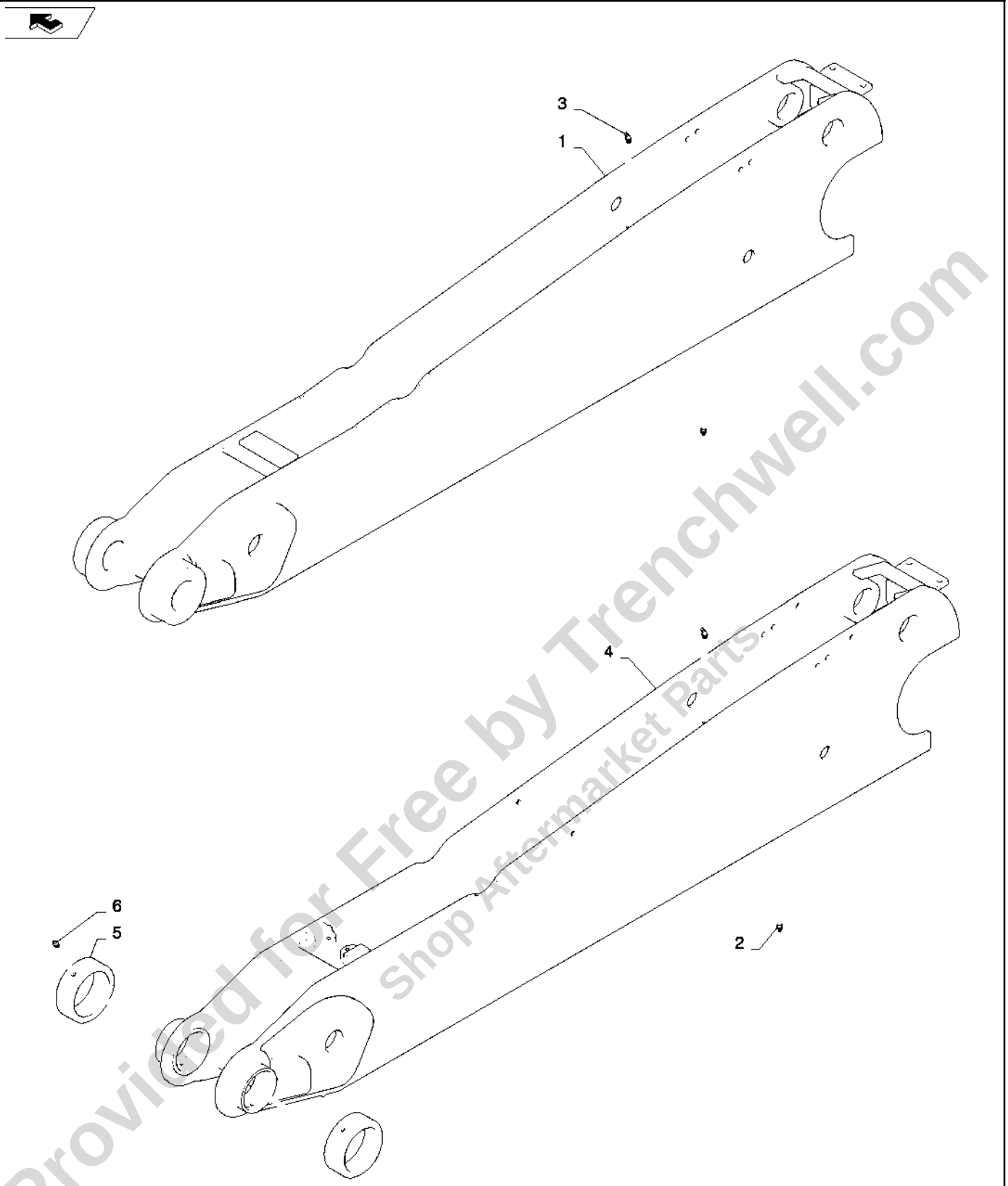
39.121.01	01	p1	10/11

BACKHOE - DIPPER, EXTENDABLE (OUTER) (580N, 580SN, 580SN WT)



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BACKHOE - DIPPER, EXTENDABLE (OUTER) (580N, 580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84247079		1	DIPPER, 580N; Includes Ref 2 and 3
1		84234506		1	DIPPER, DIPPER; 580SN, 580SN WT Without Hydraulic Coupler; Includes Ref 2 and 3
2		219-86		1	LUBE NIPPLE, 1/8" x .62" lg, Drive
3		219-89		1	LUBE NIPPLE, 45º, 1/8" NPT x .78" lg, Drive
4		84234672		1	DIPPER, DIPPER; 580SN, 580SN WT With Hydraulic Coupler; Includes Ref 2, 3, 5 and 6
5		400934A2		2	BUSHING
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg

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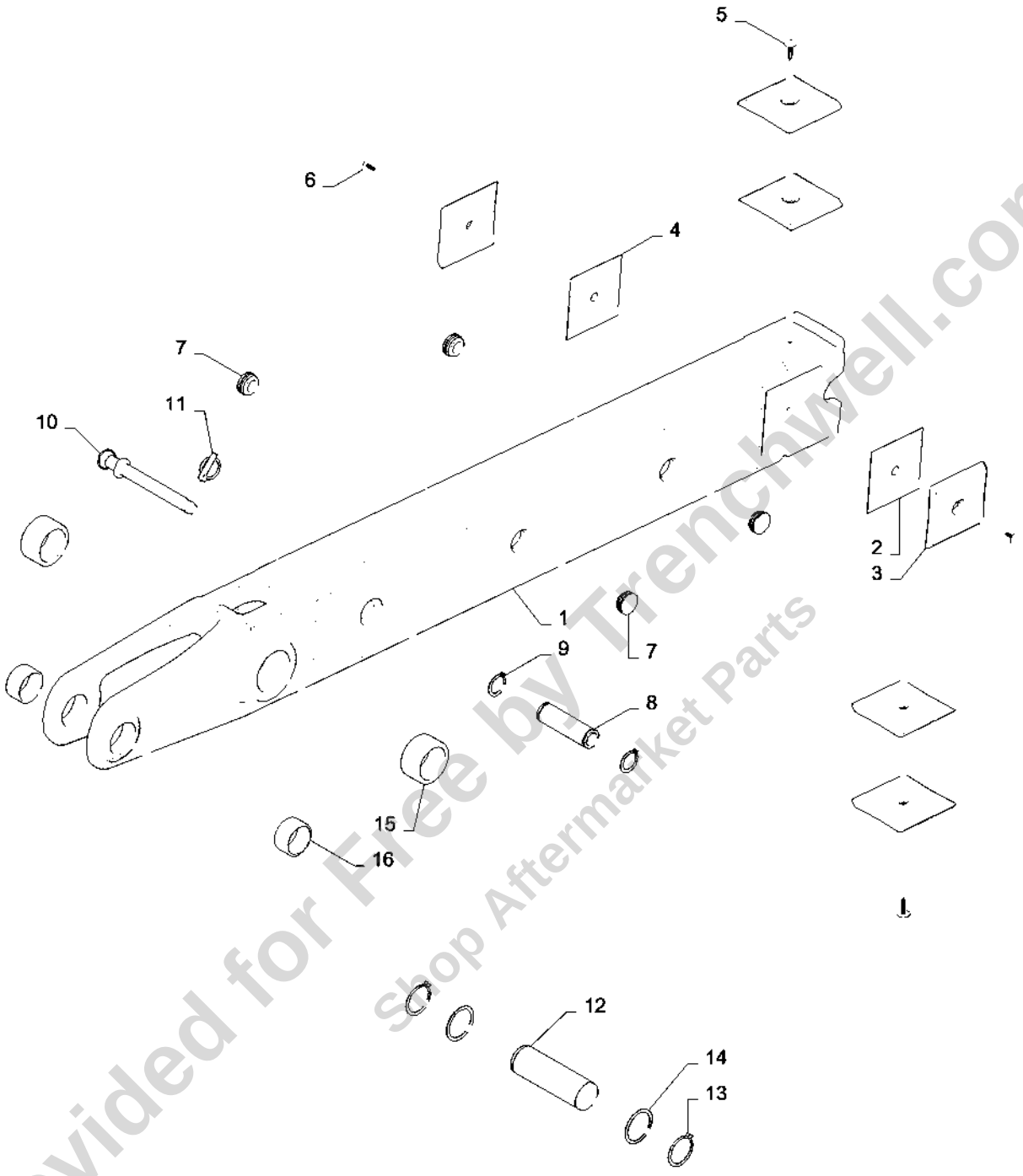
39.121.01	02	p1	12/11

BACKHOE - DIPPER, EXTENDABLE (INNER) (580N, 580SN, 580SN WT)



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BACKHOE - DIPPER, EXTENDABLE (INNER) (580N, 580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84234832		1	DIPPER, Inner
2		132844A1		1	SHIM
3		451384A1		4	WEAR PLATE
4		132842A1		1	SHIM
5		183443A1		2	PIN
6		183509A1		2	PIN
7		D133865		4	PLUG
8		300588A1		1	PIN
9		800-44040		2	SNAP RING, M40, Ext
10		D140247		1	LOCK PIN
11		A33509		1	PIN
12		84225660		1	PIN
13		84224886		2	RING
14		84224845		2	SPACER
15		D137218		2	BUSHING, 70 x 10 x 44
16		84229925		2	BUSHING, BUSHING; 60 x 70 x 34

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580SN WT 580SN
580N

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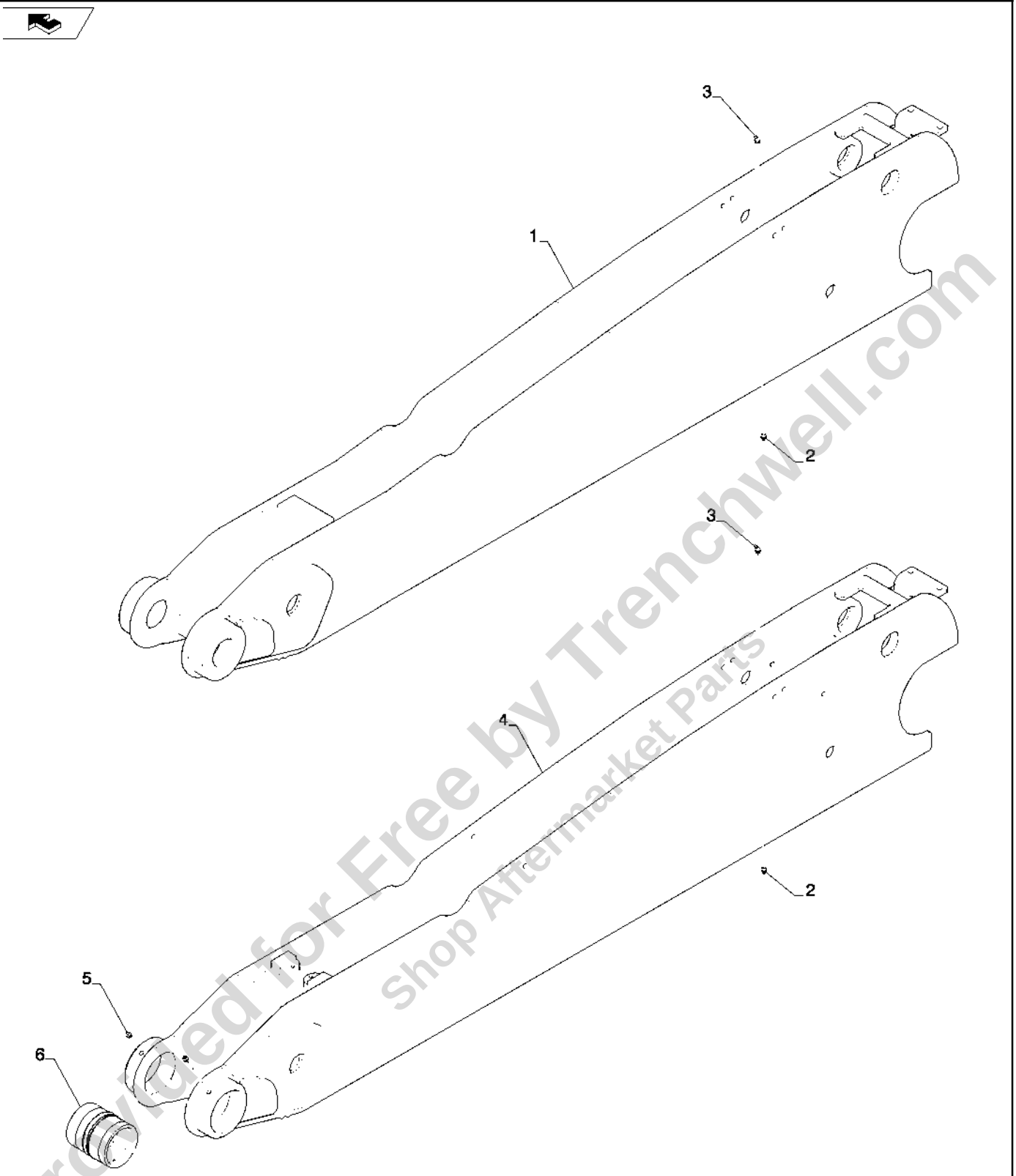
39.121.02	01	p1	04/11

BACKHOE - DIPPER, EXTENDABLE (OUTER) (590SN)



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BACKHOE - DIPPER, EXTENDABLE (OUTER) (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84234351		1	DIPPER
2		219-86		1	LUBE NIPPLE, 1/8" x .62" lg, Drive
3		219-89		1	LUBE NIPPLE, 45º, 1/8" NPT x .78" lg, Drive
4		84234330		1	DIPPER
5		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
6		400934A2		2	BUSHING

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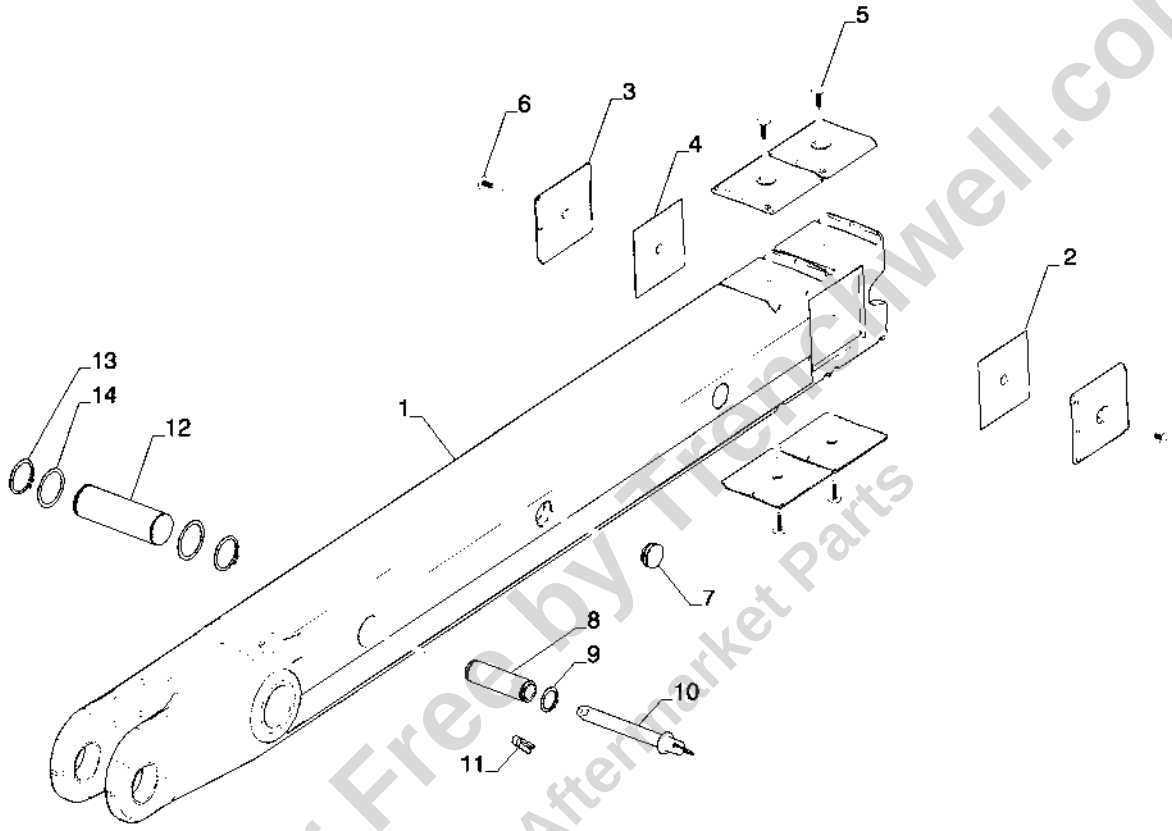
39.121.02	02	p1	04/11

BACKHOE - DIPPER, EXTENDABLE (INNER) (590SN)



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BACKHOE - DIPPER, EXTENDABLE (INNER) (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84298779		1	DIPPER, 15 Foot
2		132844A1		1	SHIM
3		451384A1		6	WEAR PLATE
4		132842A1		1	SHIM
5		183443A1		4	PIN
6		183509A1		2	PIN
7		D133865		4	PLUG
8		300588A1		1	PIN
9		800-44040		2	SNAP RING, M40, Ext
10		D140247		1	LOCK PIN
11		A33509		1	PIN
12		84225660		1	PIN
13		84224886		2	RING
14		84224845		2	SPACER

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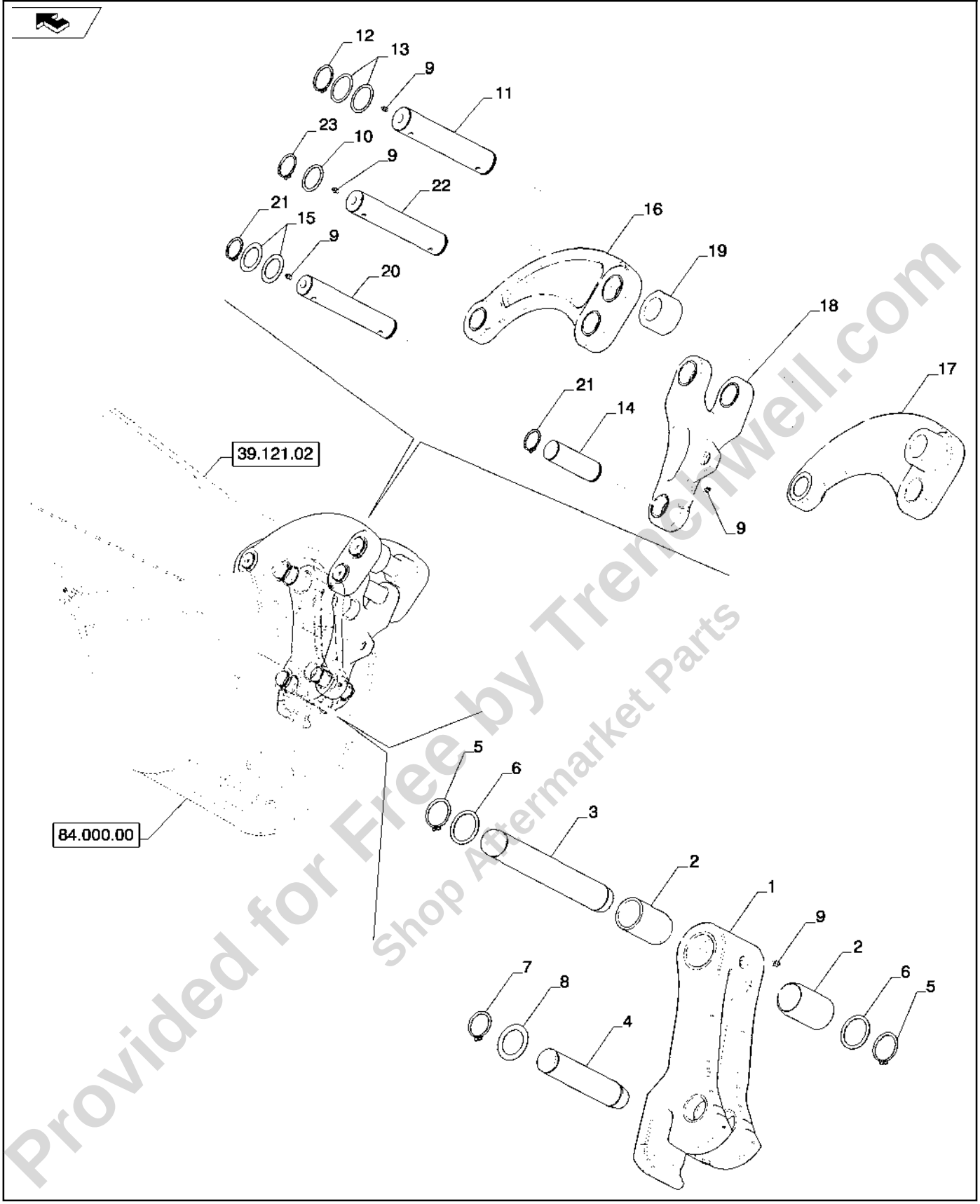
39.121.03		p1	08/11

BACKHOE - COUPLER AND BUCKET PINS (580N, 580SN, 580SN WT)



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BACKHOE - COUPLER AND BUCKET PINS (580N, 580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84229979		1	LINK ASSY., Inc. Ref 24 and 25
2		84224880		2	BUSHING
3		84223654		1	PIN
3		84409739		1	PIN, 12" Bucket Only
4		84223653		1	PIN
5		84233536		2	RING
6		84231927		2	SPACER
7		87016943		2	RING SNAP
8		495-81227		2	WASHER, 2 1/16" x 2 15/16" x .060"
9		219-1		1	LUBE NIPPLE, 1/8"-27 x .66 lg
10		84231927		2	SPACER
11		84171217		1	PIN
12		84224886		2	RING
13		84224845		4	SPACER
14		84223652		1	PIN
15		495-81227		6	WASHER, 2 1/16" x 2 15/16" x .060"
16		84229982		1	LINK ASSY.
17		84229983		1	LINK ASSY.
18		84303417		1	LINK ASSY.
19		84170641		2	SPACER
20		84171343		1	PIN
21		87016943		4	RING SNAP
22		84231908		1	PIN
23		84233536		2	RING
24		84227018		2	BUSHING, 50 x 5 x 29 (Not Shown) Use with Ref 4
25		84227023		2	BUSHING, 80 x 6 x 30 (Not Shown) Use with Ref 2

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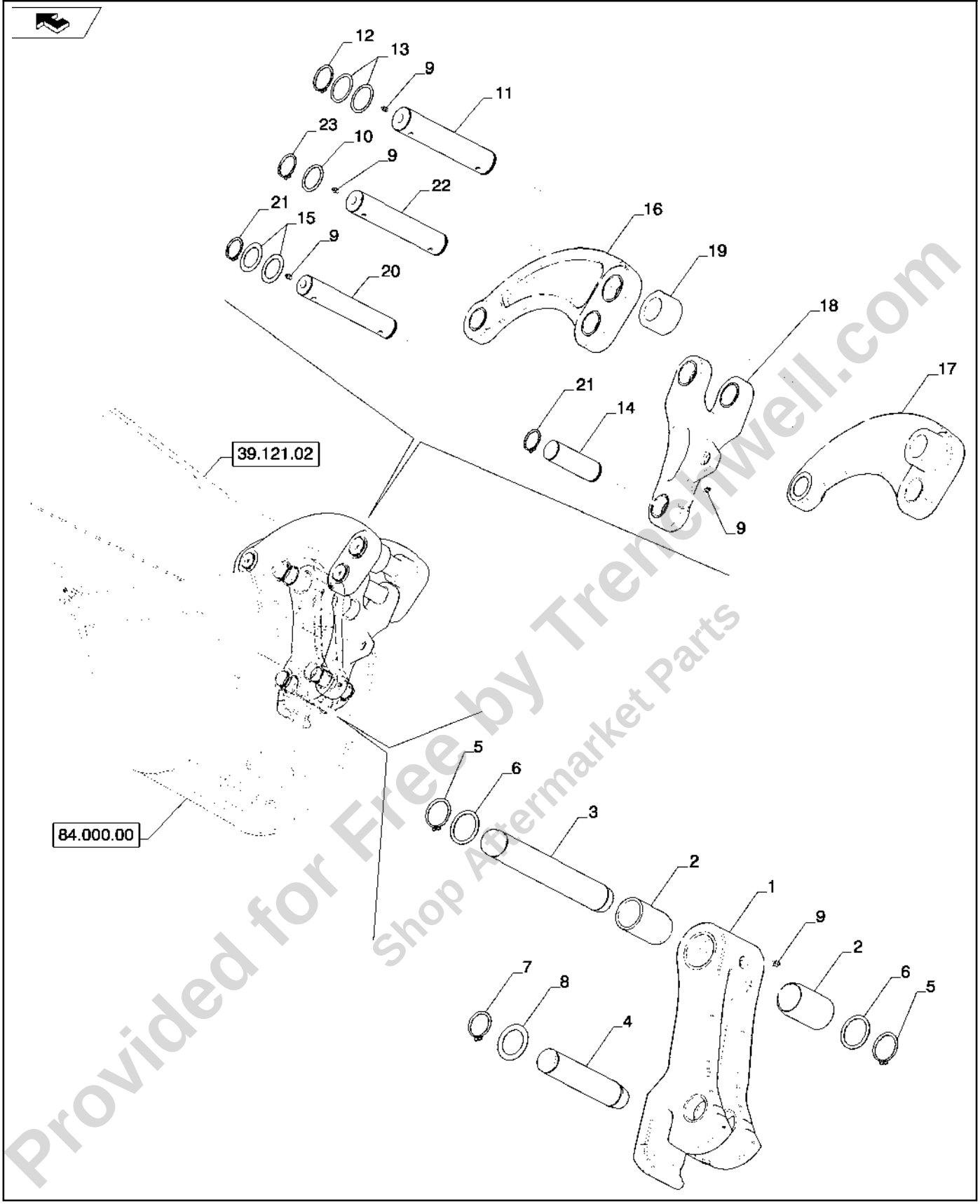
39.121.04		p1	01/12

BACKHOE - COUPLER AND BUCKET PINS (590SN)



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BACKHOE - COUPLER AND BUCKET PINS (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84229978		1	LINK ASSY., Inc. Ref 24 and 25
2		84224880		2	BUSHING
3		84223654		1	PIN
3		84409739		1	PIN, 12" Bucket Only
4		84223653		1	PIN
5		84233536		2	RING
6		84231927		2	SPACER
7		87016943		2	RING SNAP
8		495-81227		2	WASHER, 2 1/16" x 2 15/16" x .060"
9		219-1		7	LUBE NIPPLE, 1/8"-27 x .66 lg
10		84224845		12	SPACER
11		84171217		1	PIN
12		84224886		2	RING
13		84224845		4	SPACER
14		84231817		1	PIN
15		495-81227		4	WASHER, 2 1/16" x 2 15/16" x .060"
16		84230435		1	LINK ASSY.
17		84230436		1	LINK ASSY.
18		84303420		1	LINK ASSY.
19		84170641		2	SPACER
20		84171343		1	PIN
21		84233536		2	RING
22		84171217		1	PIN
23		84224886		2	RING
24		84229923		2	BUSHING, 55 x 5 x 29 (Not Shown) Used on Ref 1
25		84227023		2	BUSHING, 80 x 6 x 30 (Not Shown) Used on Ref 1

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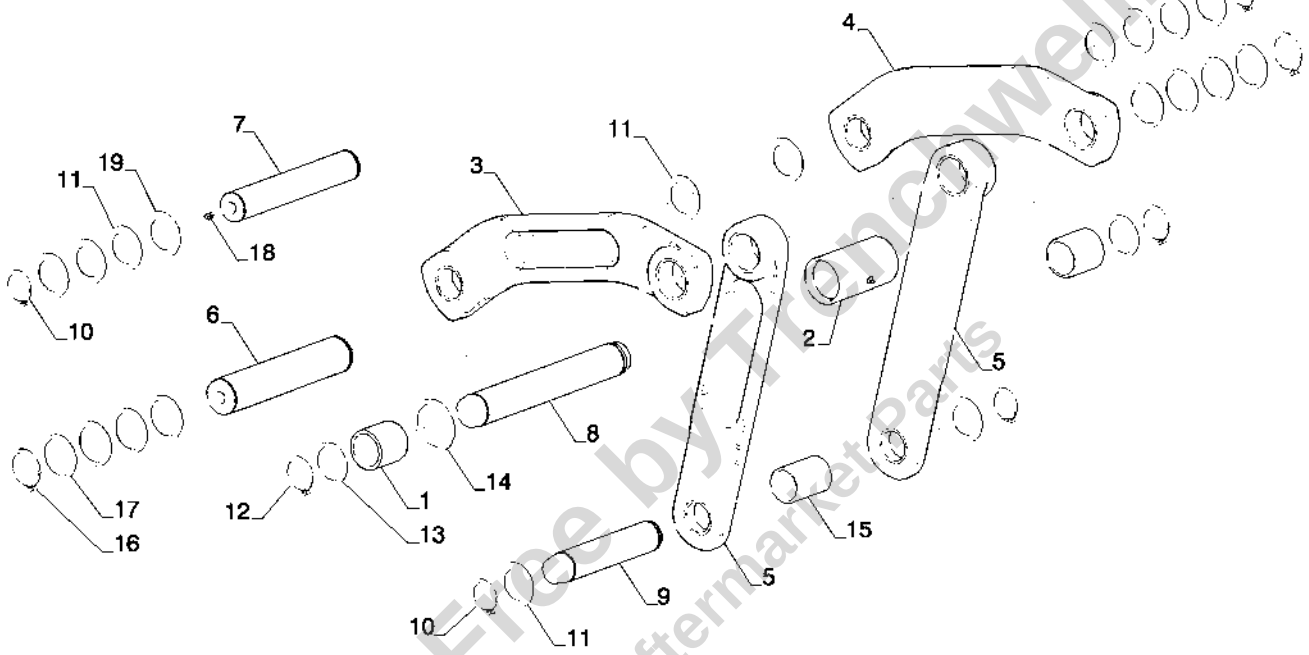
39.121.05		p1	05/11

BACKHOE - LINK, STRAIGHT (580N, 580SN, 580SN WT)



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BACKHOE - LINK, STRAIGHT (580N, 580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84247142		2	BUSHING
2		84247140		1	SPACER
3		84230684		1	LINK ASSY.
4		84230685		1	LINK ASSY.
5		84230693		2	LINK ASSY.
6		84171217		1	PIN
7		84171343		1	PIN
8		84223654		1	PIN
9		84223653		1	PIN
10		87016943		4	RING SNAP
11		495-81227		10	WASHER, 2 1/16" x 2 15/16" x .060"
12		84233536		2	RING
13		84231927		2	SPACER
14		D136392		1	SHIM, 3.05mm Thk
15		84333098		1	SPACER
15		84425442		2	SPACER, Use with lift hook
16		84224886		2	RING
17		84224845		8	SPACER
18		219-1		5	LUBE NIPPLE, 1/8"-27 x .66 lg
19		495-81282		2	WASHER, 2 1/16" x 3" x .109"
20		84425437		1	LIFT HOOK, (Not Shown)

580N 580SN WT
580SN

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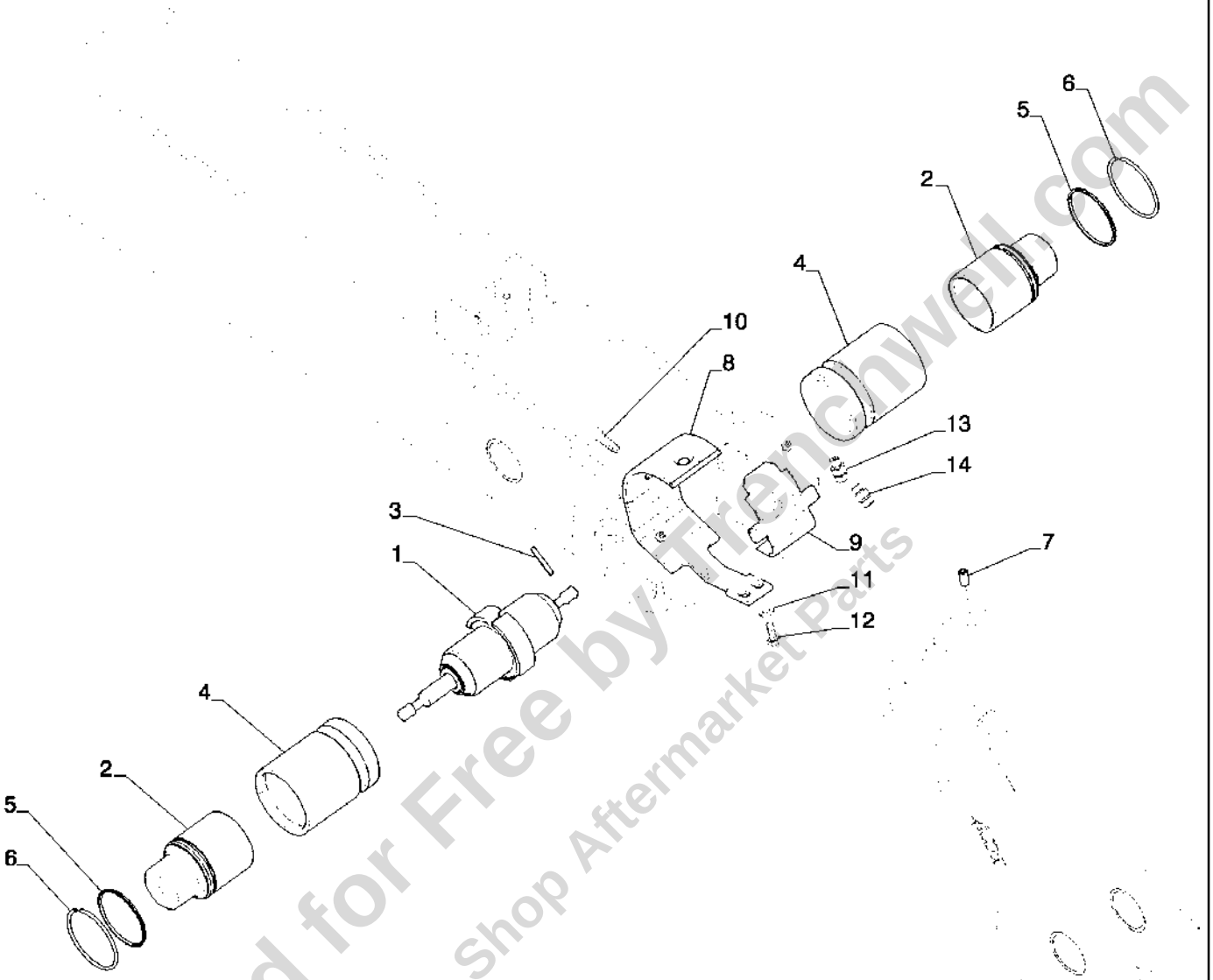
39.121.06	01	p1	09/11

BACKHOE - HYDRAULIC COUPLER (580SN, 580SN WT, 590SN)



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BACKHOE - HYDRAULIC COUPLER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84270939		1	HYDRAULIC CYLINDER
2		84249377		2	PIN
3		135-1233		2	GROOVED PIN, 7/32" x 1 1/2", Hardened
4		448676A1		2	HYD CYL SLEEVE
5		434891A1		2	WIPER SEAL
6		406624A1		2	RING
7		418070A1		4	SET SCREW
8		84288091		1	GUARD
9		84300757		1	GUARD
10		84317837		2	COUNTERSUNK SCREW
11		87655042		2	SPECIAL WASHER
12		607-8020		2	BOLT, Hex, Lock, M8 x 20, Cl 10.9
13		87681202		1	HYD CONNECTOR
14		84265115		1	REDUCER FITTING
15		84300173		1	LINK ASSY., 580SN, 580SN WT
15		84300169		1	LINK ASSY., 590SN

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580SN WT 590SN
580SN

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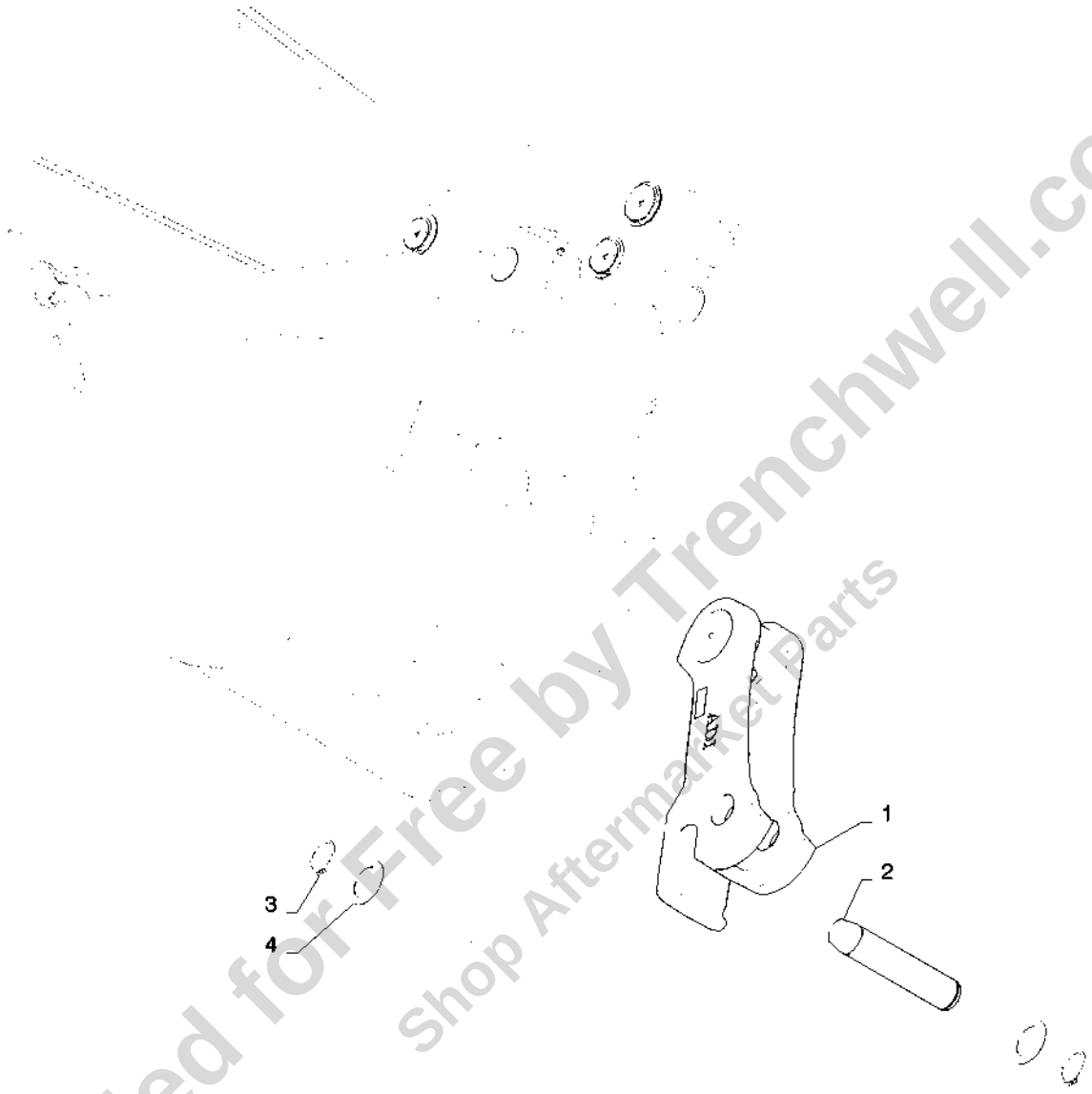
39.121.06	02	p1	09/11

BACKHOE - HYDRAULIC COUPLER LINK AND BUCKET PIN (580SN, 580SN WT, 590SN)



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BACKHOE - HYDRAULIC COUPLER LINK AND BUCKET PIN (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84300173		1	LINK ASSY., 580SN, 580SN WT
1		84300169		1	LINK ASSY., 590SN
2		84223653		1	PIN
3		87016943		2	RING SNAP
4		495-81227		2	WASHER, 2 1/16" x 2 15/16" x .060"

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580SN WT 580SN
590SN

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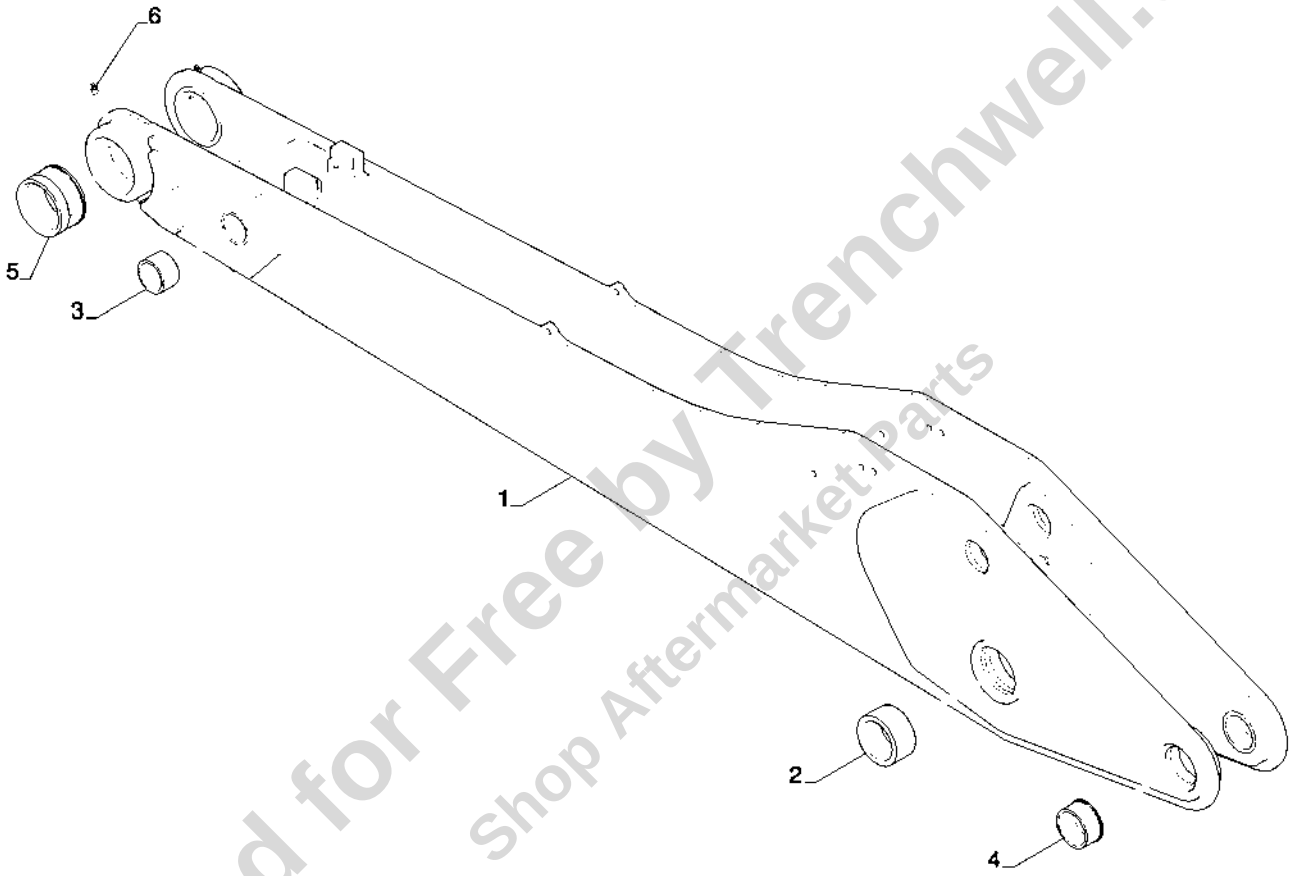
39.121.07		p1	03/11

BACKHOE - DIPPER, STANDARD (580SN, 580SN WT)



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BACKHOE - DIPPER, STANDARD (580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84246495		1	DIPPER, Inc. 2-6
2		D137218		2	BUSHING
3		84170645		2	BUSHING
4		84223633		2	BUSHING
5		400934A2		2	BUSHING
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg

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580SN WT
580SN

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39.121.08		p1	08/11

BACKHOE - DIPPER, STANDARD CYLINDER PIN

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BACKHOE - DIPPER, STANDARD CYLINDER PIN

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84217320		1	PIN
2		84224886		2	RING
3		84224845		2	SPACER, (580SN, 580SN WT, 590SN)
3		84224845		4	SPACER, (580N)

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580N 580SN WT
580SN 590SN

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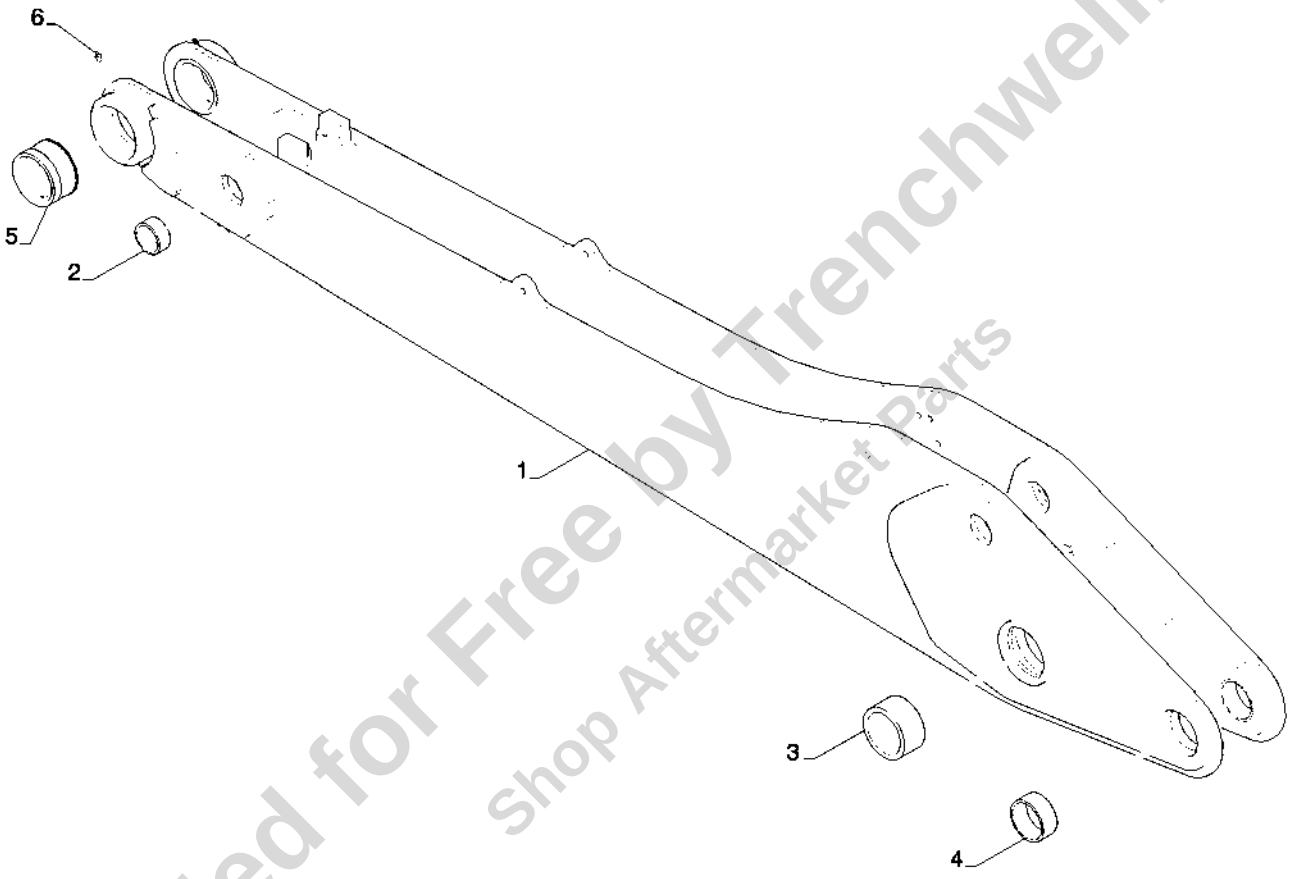
39.121.09		p1	03/11

BACKHOE - DIPPER, STANDARD WITH HYDRAULIC COUPLER(590SN)



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BACKHOE - DIPPER, STANDARD WITH HYDRAULIC COUPLER(590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84246688		1	DIPPER, Inc. 2-6
2		84169285		2	BUSHING
3		84234854		2	BUSHING
4		84229926		2	BUSHING
5		84246711		2	BUSHING
6		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg

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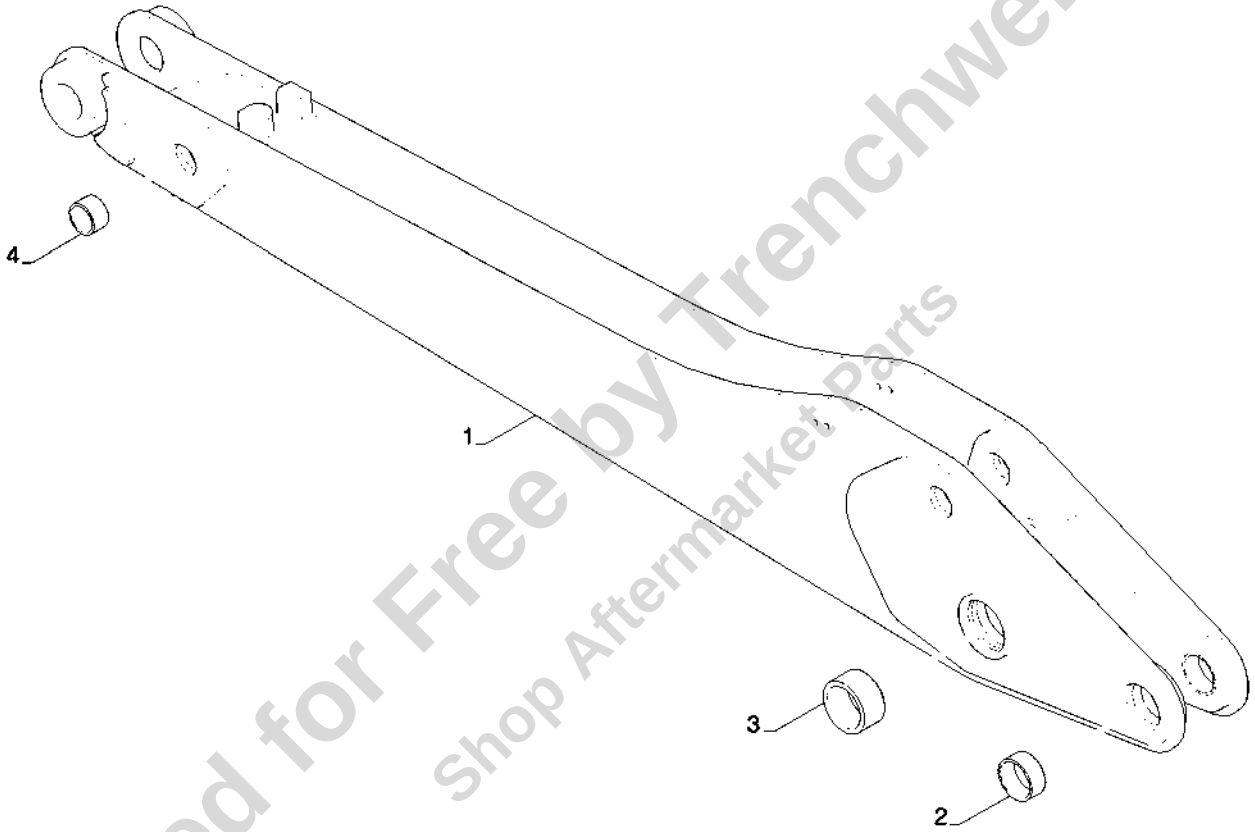
39.121.10		p1	03/11

BACKHOE - DIPPER, STANDARD (590SN)



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BACKHOE - DIPPER, STANDARD (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84246514		1	DIPPER
2		84229926		2	BUSHING
3		84234854		2	BUSHING
4		84170645		2	BUSHING

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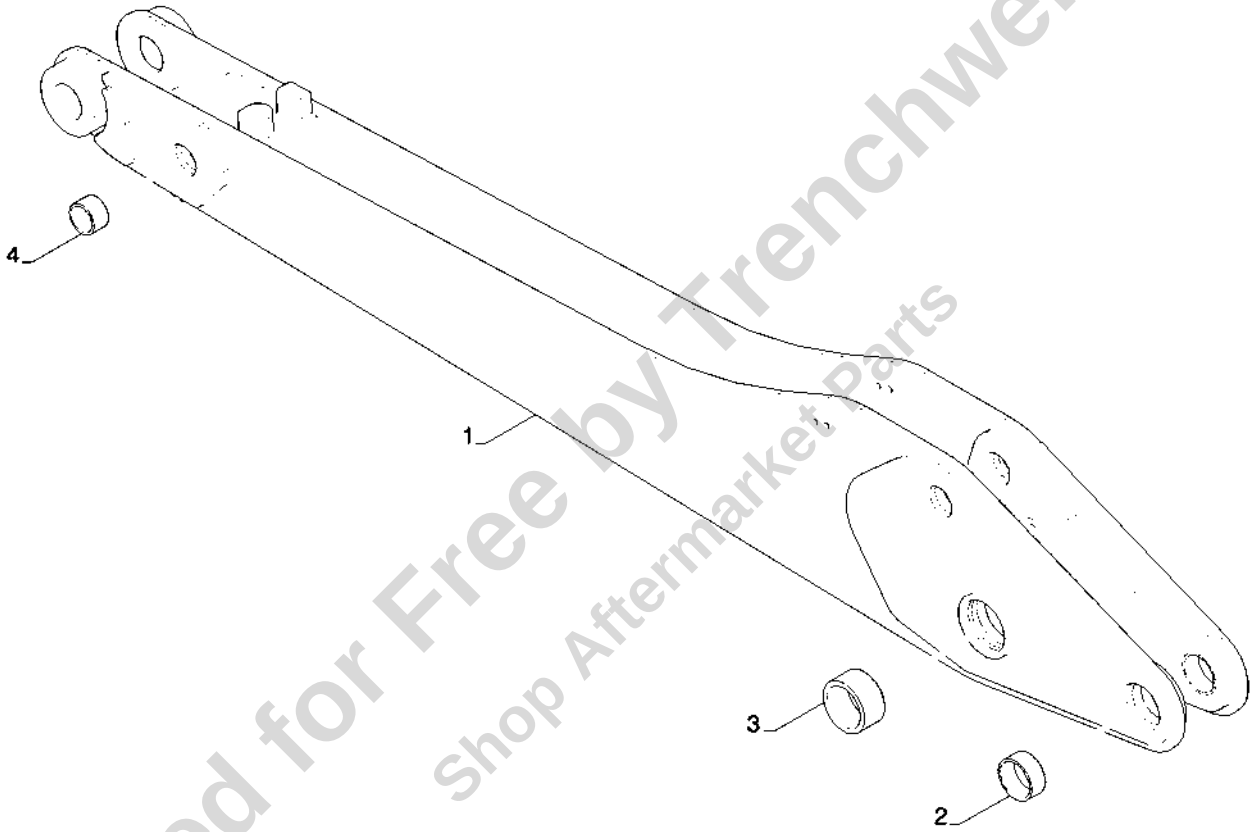
39.121.11		p1	09/11

BACKHOE - DIPPER, STANDARD (580N)



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BACKHOE - DIPPER, STANDARD (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84247050		1	DIPPER, Includes Ref 2, 3, 4
2		84223633		2	BUSHING
3		D137218		2	BUSHING
4		84170645		2	BUSHING

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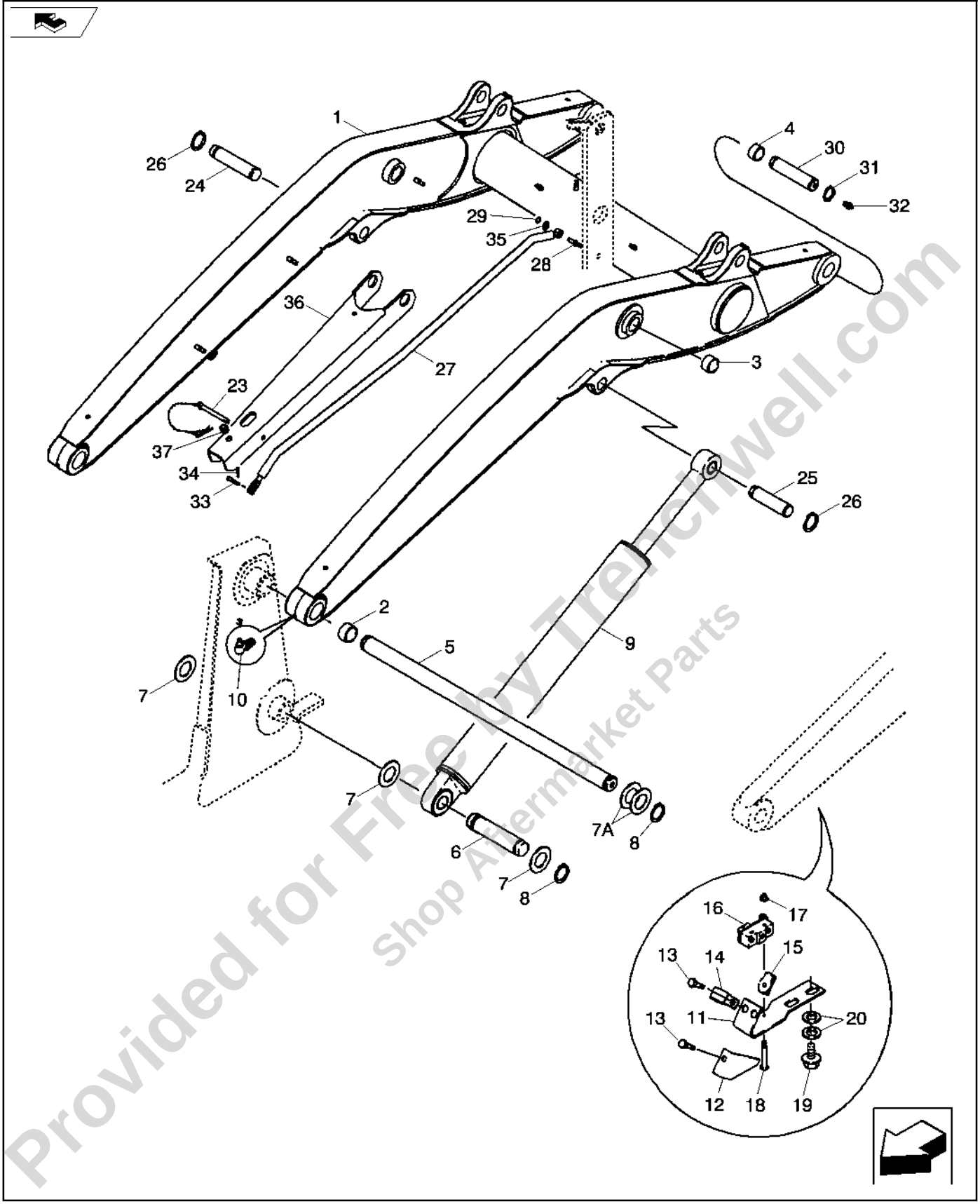
39.125.01		p1	08/11

FRAME - LOADER LIFT



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FRAME - LOADER LIFT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		REF			INSTRUCTION, Lift Cylinder, Support Strut, Return-To-Dig And Anti-Rollback
1		84330466		1	LOADER ARM, 580N, 580SN
1		84296186		1	LOADER ARM, 580SN WT, 590SN
2		D127542		4	BUSHING
3		100696A1		4	BUSHING, Bucket Cylinder Link Pivot; Not Included with Frame; Purchase Separately
4		109268A1		4	BUSHING
5		D145767		1	SHAFT, SHAFT
6		335177A1		2	PIN
7		495-81282		6	WASHER, 2 1/16" x 3" x .109"
7A		181842A1		AR	WASHER
8		800-44050		6	SNAP RING, M50, Ext
9		84210939		2	HYDRAULIC CYLINDER, 580N
9		84224057		2	HYDRAULIC CYLINDER, 580SN
9		84210940		2	CYLINDER, 580SN WT, 590SN
10		219-55		2	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
11		128818A1		1	SUPPORT, Return-To-Dig
12		142524A1		1	PROTECTOR
13		614-6016		2	BOLT, Hex, M6 x 16, 8.8
14		515-2179		1	CLAMP, 5/16", Insul, 1/4" Bolt
15		833-40406		2	NUT, M6, U
16		D137363		1	SWITCH, Return-To-Dig
17		193-1003		2	NUT, Keps, w/LW,#6-32
18		440-10616		2	SCREW, Cross Pan Hd, #6-32 x 1"
19		128312A1		2	BOLT, M10 x 15
20		87655046		4	SPECIAL WASHER
23		104824A1		1	PIN
24		84216891		1	PIN
25		84216892		1	PIN
26		86625149		4	SNAP RING, #175, Ext
27		84280257		1	ROD, Anti-Rollback
28		192815A1		1	PIN
29		103-3350		1	LOCKING RING, #50, .392" Dia, E-Type
30		84367828		2	PIN

580N 580SN WT
590SN 580SN

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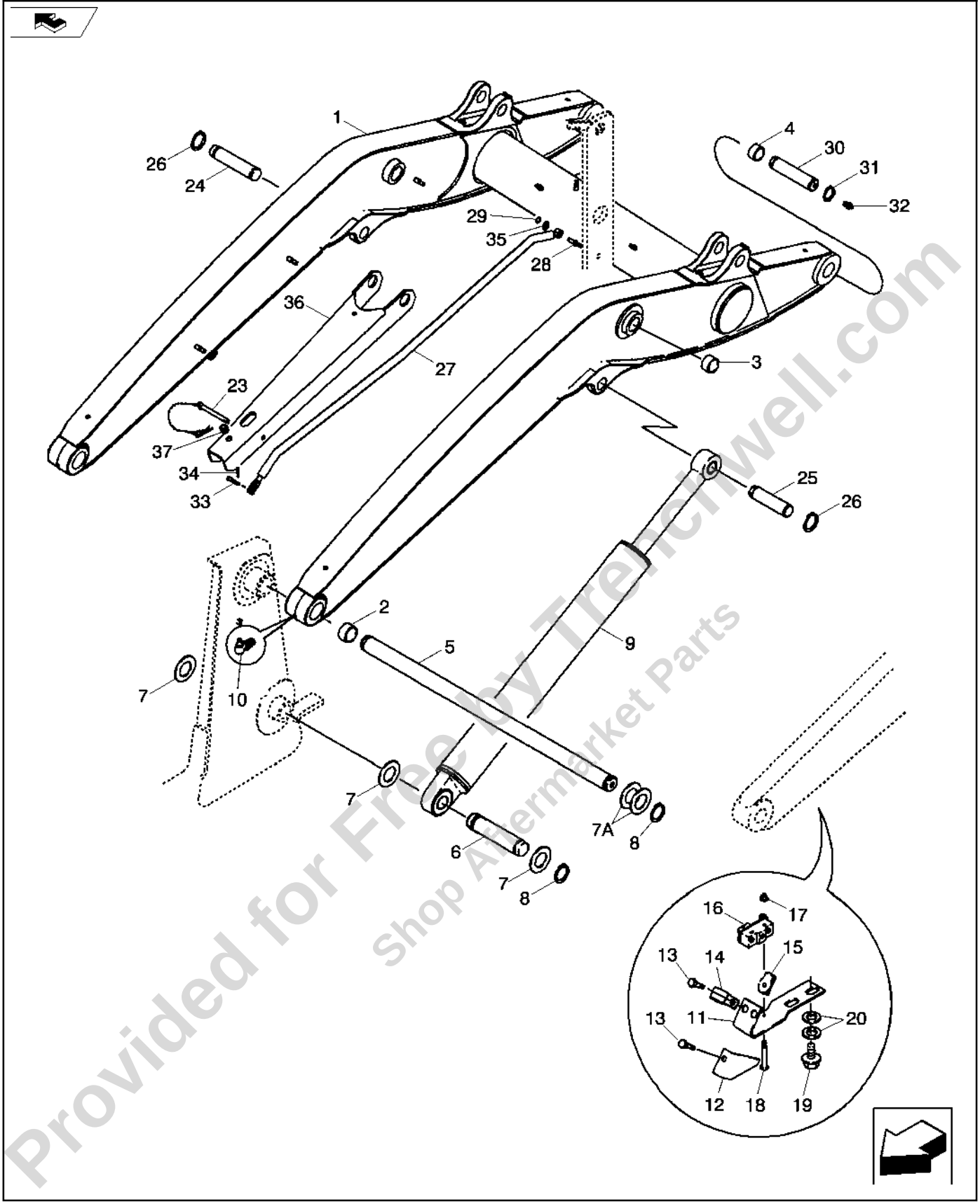
39.125.01		p2	08/11

FRAME - LOADER LIFT



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FRAME - LOADER LIFT

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
31		800-44040		4	SNAP RING, M40, Ext
32		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
33		87548980		1	CLEVIS PIN
34		432-612		1	COTTER PIN, 3/32" x 3/4"
35		87655043		1	SPECIAL WASHER
36		84280275		1	STRUT
37		344892A1		1	GROMMET

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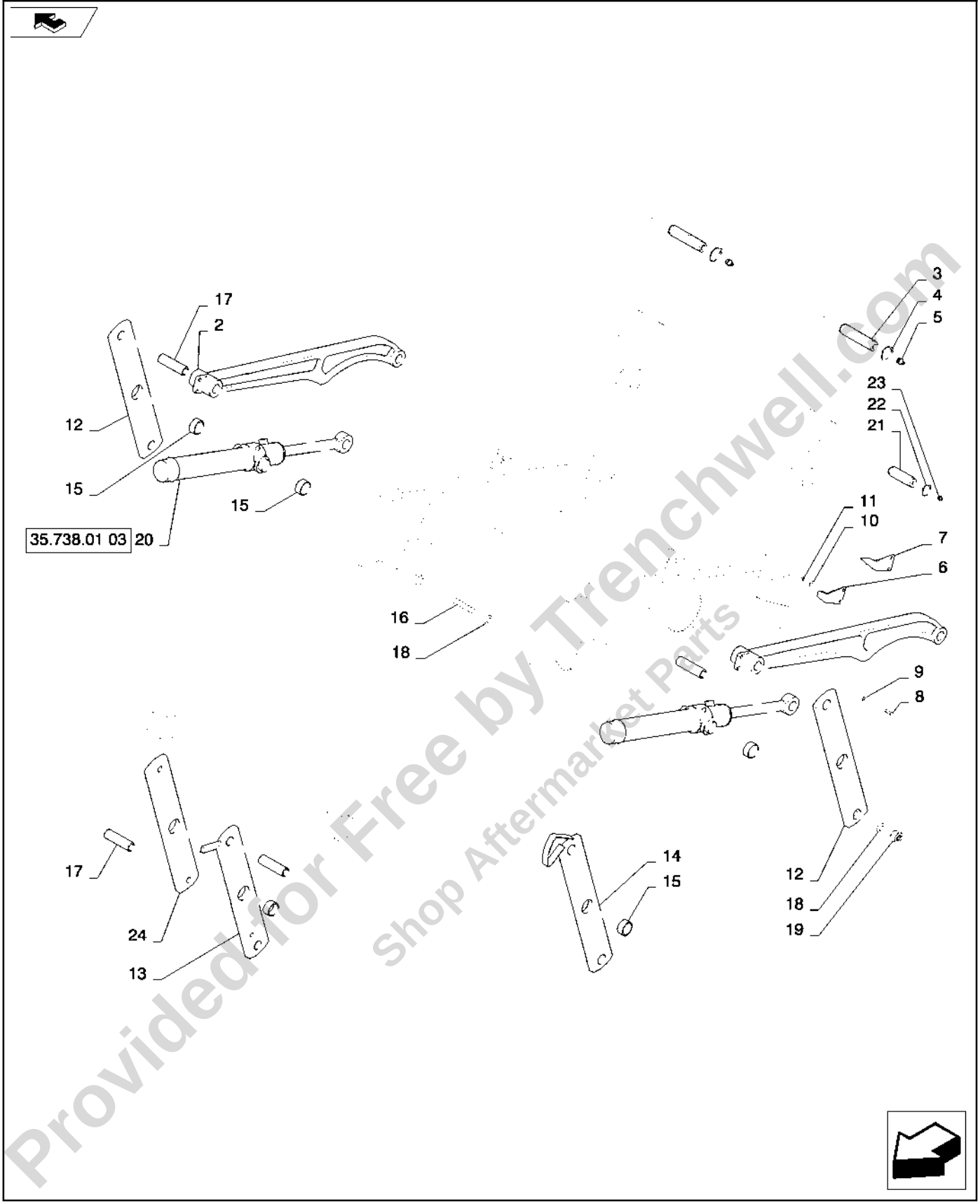
FRAME - LOADER LINKAGE



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FRAME - LOADER LINKAGE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
2		84216090		2	LINK
3		84367828		2	PIN
4		800-44040		4	SNAP RING, M40, Ext
5		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
6		D121194		1	POINTER, Models Without Clam Bucket
7		250851A1		1	POINTER, Models With Clam Bucket
8		614-8030		2	BOLT, Hex, M8 x 30, 8.8
9		895-11008		2	WASHER, M8 x 16 x 1.6
10		892-11008		2	LOCK WASHER, M8
11		829-1408		2	NUT, M8, Cl 10
12		84296113		2	LINK, Outer, (580N, 580SN, 580SN WT)
12		84281219		2	LINK BLOCK, Outer, (590SN)
13		84301390		1	LINK BLOCK, Inner, Right Hand - Without 4-in-1 (580N, 580SN, 580SN WT)
13		84301383		1	LINK BLOCK, Inner, Right Hand - Without 4-in-1 (590SN)
14		84301392		1	LINK BLOCK, Inner, Right Hand - 4-in-1 (580N, 580SN, 580SN WT)
14		84301385		1	LINK BLOCK, Inner, Right Hand - 4-in-1 (590SN)
15		D151034		1	BUSHING
16		827-20190		4	BOLT, Hex, M20 x 190, 10.9
17		84270815		4	PIN
18		896-11020		8	WASHER, M20 x 37.5 x 4, HT
19		829-1420		4	NUT, M20, Cl 10
20		87609669		2	HYDRAULIC CYLINDER, 76 ID x 522 mm strk; Loader Bucket
21		84216893		2	PIN
22		86625149		4	SNAP RING, #175, Ext
23		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
24		84301388		1	LINK BLOCK, Inner, Left Hand (580N, 580SN, 580SN WT)
24		84301381		1	LINK, Inner, Left Hand (590SN)

580N 580SN WT
590SN 580SN

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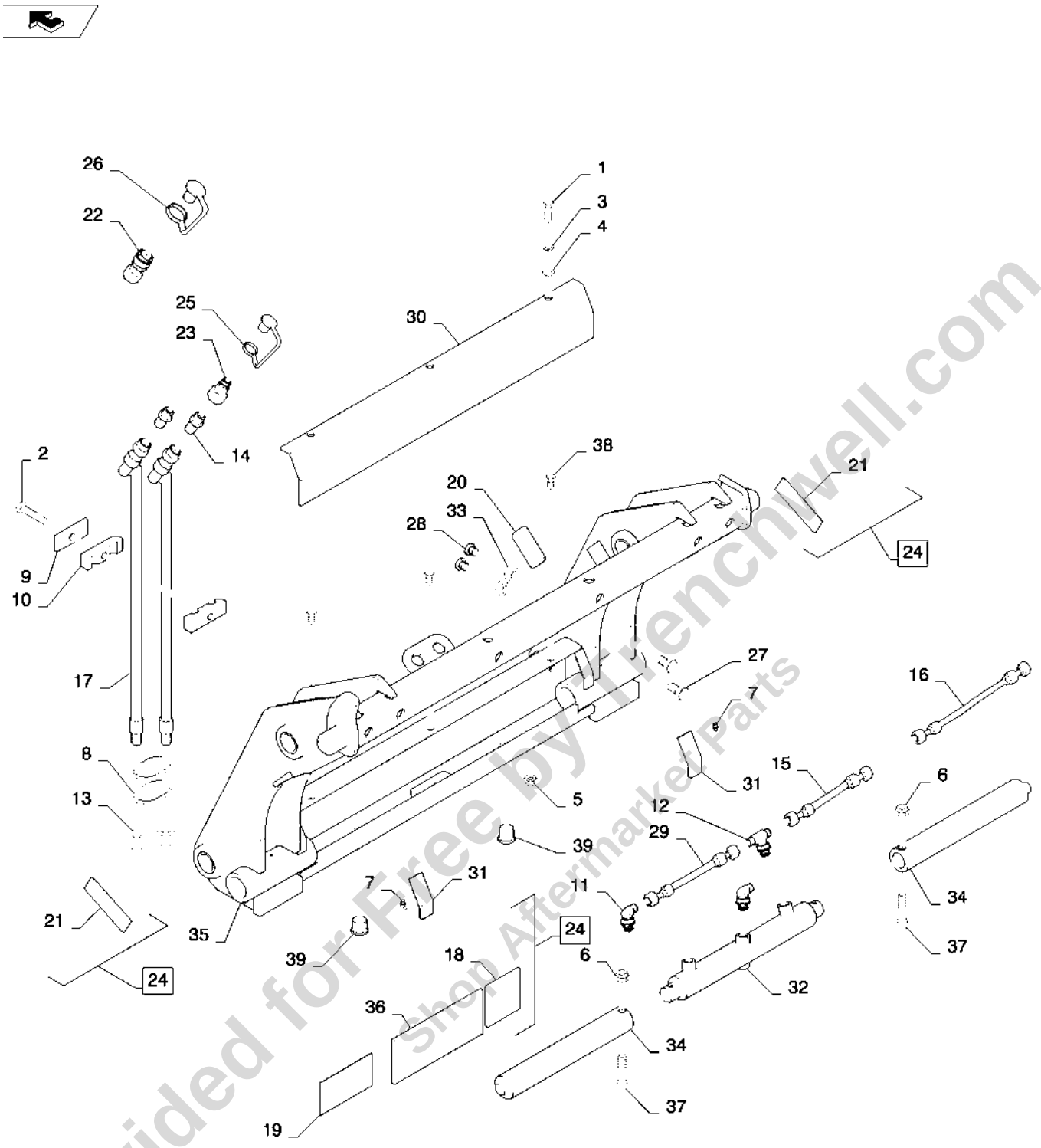
COUPLER, TOOL QUICK



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COUPLER, TOOL QUICK

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84265982		1	COUPLING, QUICK COUPLER; Incl. Ref 1 - 39
1		9635884		1	BOLT, Hex, 5/16"-18 x 1", G5, Full Thd
2		87626		3	BOLT, Hex, 5/16"-18 x 2 3/4", G5
3		80681		1	LOCK WASHER, 5/16"
4		83918746		3	WASHER, 5/16", .354" x .688" x .08" Thk
5		86050277		1	LOCK NUT, 5/16"-18, GB
6		87034524		2	LOCK NUT, 3/8"-16,GA
7		80714		2	LUBE NIPPLE, 1/4"-28 NPT x .54" lg
8		NSS		2	NOT SERVICED SEPARATELY, Tie Strap
9		87493782		1	PLATE
10		87483067		1	CLAMP
11		9840543		2	ELBOW, 90º, 11/16"-16 x 9/16"-18 Adj, ORFS
12		84368922		1	BRANCH TEE, Branch Tee; 11/16"-16 ORFS x 9/16"-18 ORB Adj
13		NSS		2	NOT SERVICED SEPARATELY, Cap, FF, 10FF
14		84523391		2	FITTING, Bulkhead Fitting With Nut; 1"-14 ORFS x 1-1/16"-12 ORB
15		84518946		1	HYDRAULIC HOSE, Bulkhead to Tee
16		84518948		1	HYDRAULIC HOSE, Bulkhead to Cyliinder Center
17		84518949		2	HYDRAULIC HOSE, Aux
18		NSS		1	NOT SERVICED SEPARATELY, Decal, Warning High Pressure; Order 305508A1
19		NSS		1	NOT SERVICED SEPARATELY, Decal, Read Operator's Manual; Order 305508A1
20		NSS		1	NOT SERVICED SEPARATELY, Serial Plate
21		NSS		2	NOT SERVICED SEPARATELY, Decal, Case Logo; Order 305508A1
22		86537745		1	QUICK FEMALE COUPLING
23		86537746		1	QUICK MALE COUPLING
24		305508A1		1	DECAL KIT, Includes Ref. 18, 19, 21, 36
25		NSS		1	NOT SERVICED SEPARATELY, Dust Cap, Male
26		NSS		1	NOT SERVICED SEPARATELY, Dust Cap, Female
27		84326219		2	90 ELBOW, Bulkhead Union Elbow; 90 deg. 9/16"-18 x 9/16"-18 ORFS
28		87668376		2	CAP

580SN WT 580SN
590SN 580N

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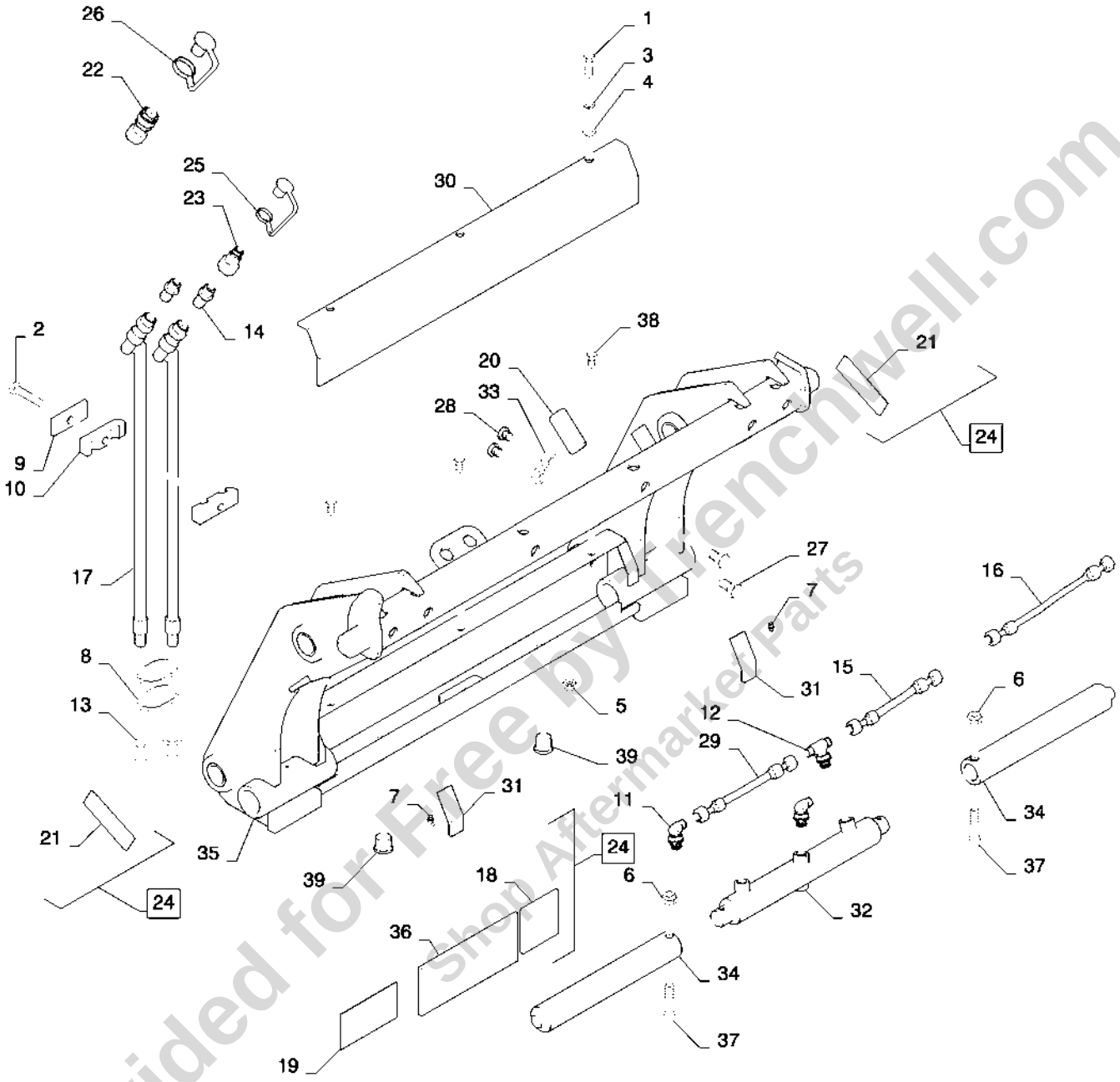
COUPLER, TOOL QUICK



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COUPLER, TOOL QUICK

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
29		84519649		1	HYDRAULIC HOSE, Tee to RH Cylinder Rod End
30		84189105		1	COVER, Plate, Cover
31		NSS		2	NOT SERVICED SEPARATELY, Foam Seal
32		305499A1		1	HYDRAULIC CYLINDER, Double Acting
33		87310		2	NUT, Jam, 9/16"-18, G2
34		305496A1		2	PIN
35		NSS		1	NOT SERVICED SEPARATELY, Main Frame
36		NSS		1	NOT SERVICED SEPARATELY, Label, Warning-Engage Latch Pins (Large); Order 305508A1
37		280259		2	BOLT, Hex, 3/8"-16 x 2 1/2", G8
38		87472321		3	FASTENER, Threaded Insert, 5/16-18
39		305497A1		2	PLUG

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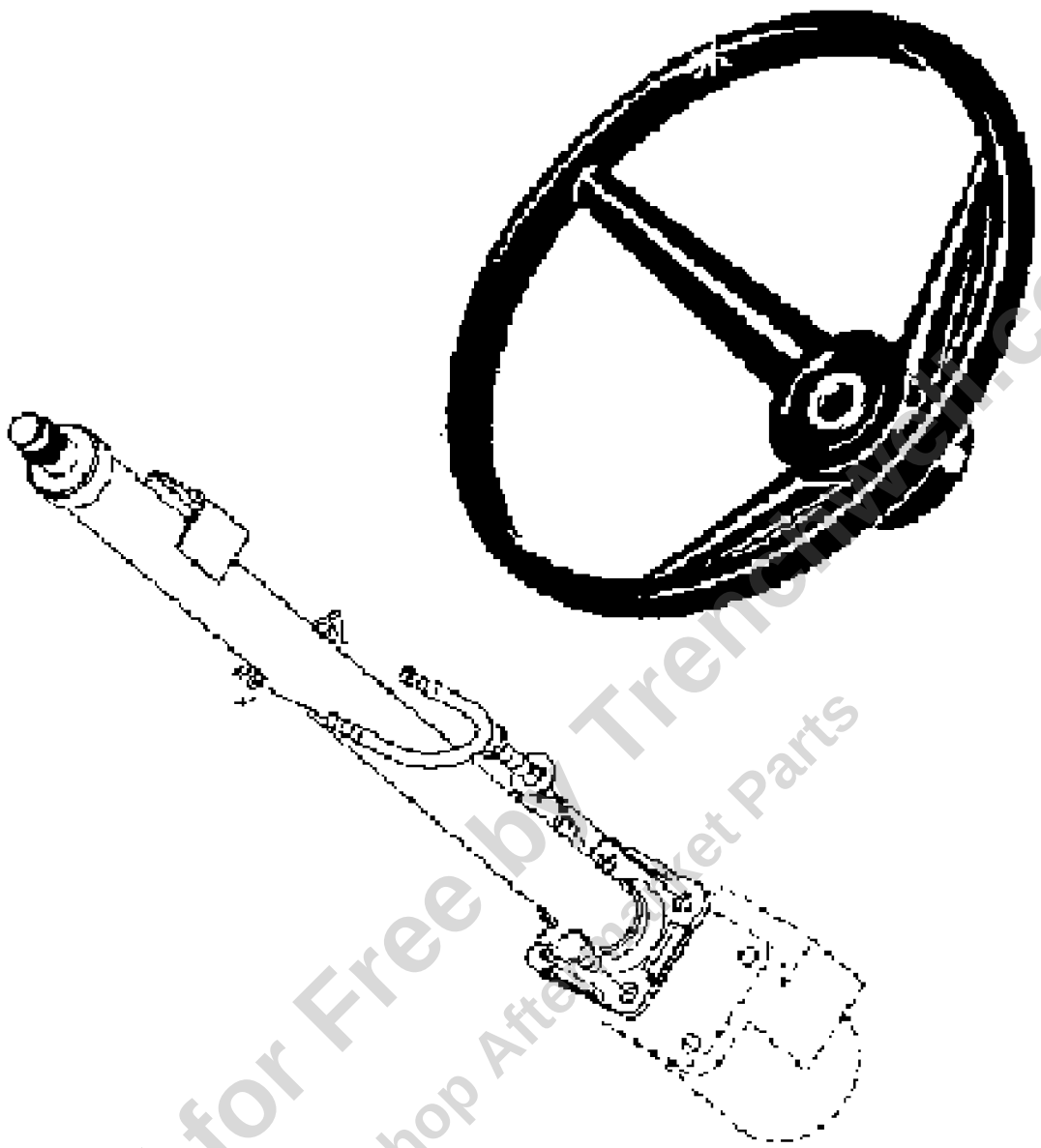

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PICTORIAL INDEX - STEERING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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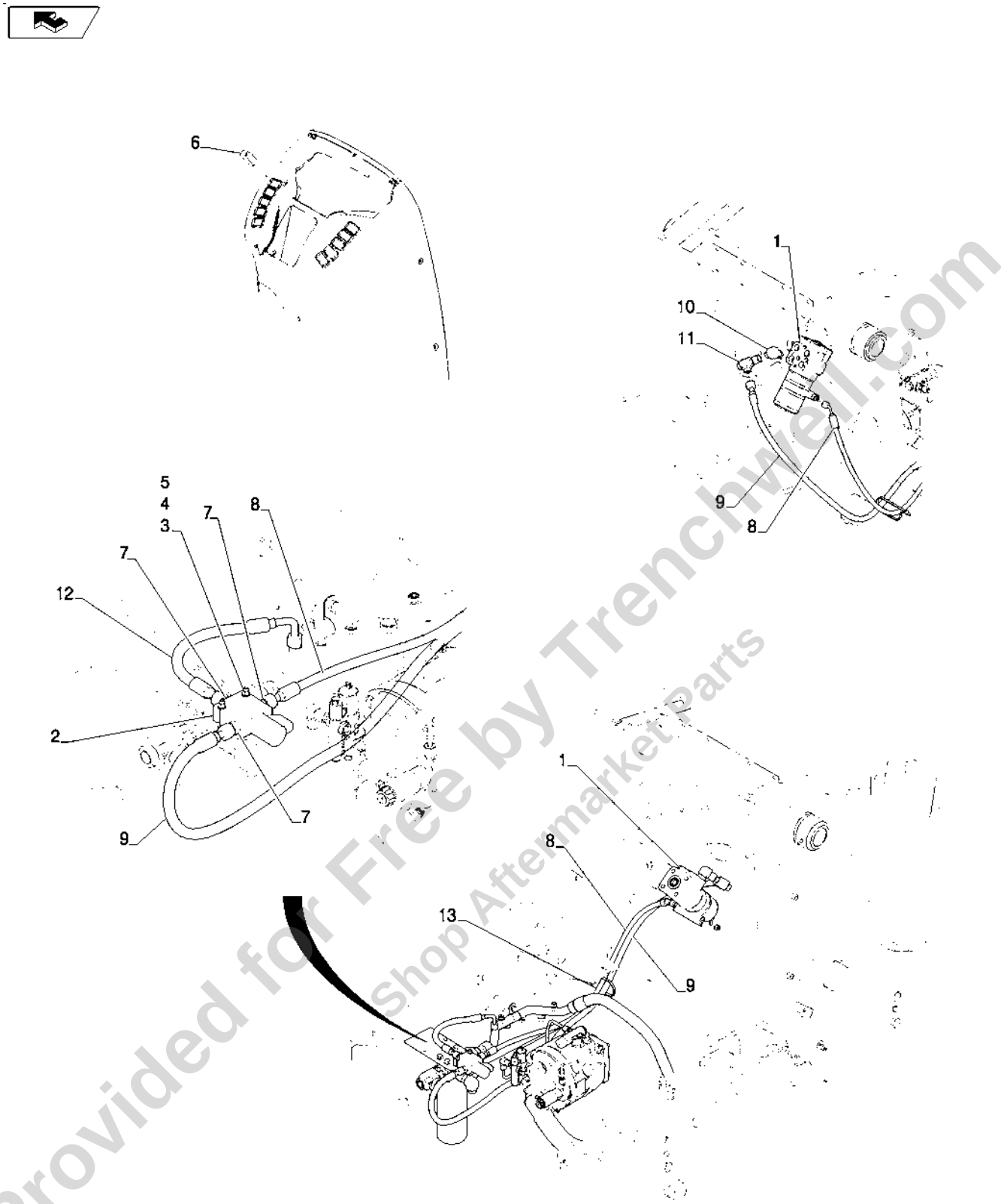
STEERING - COMFORT STEER (580N)



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STEERING - COMFORT STEER (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87579286		1	HYDRAULIC PUMP
2		87382811		1	SOLENOID VALVE
3		814-6050		2	BOLT, Hex, M6 x 50, 8.8
4		832-10406		2	NUT, M6 x 1, Cl 8
5		87655041		4	SPECIAL WASHER
6		87585817		1	SWITCH
7		9993143		3	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
8		84251296		1	HOSE ASSY.
9		84251282		1	HOSE ASSY.
10		9992307		1	ELBOW, 90º, 13/16"-16 x 3/4"-16 Adj, ORFS
11		86624132		1	TEE, 13/16"-16 ORFS x 13/16"-16 Sw Run
12		84286202		1	HOSE ASSY.
13		L18331		1	CABLE STRAP

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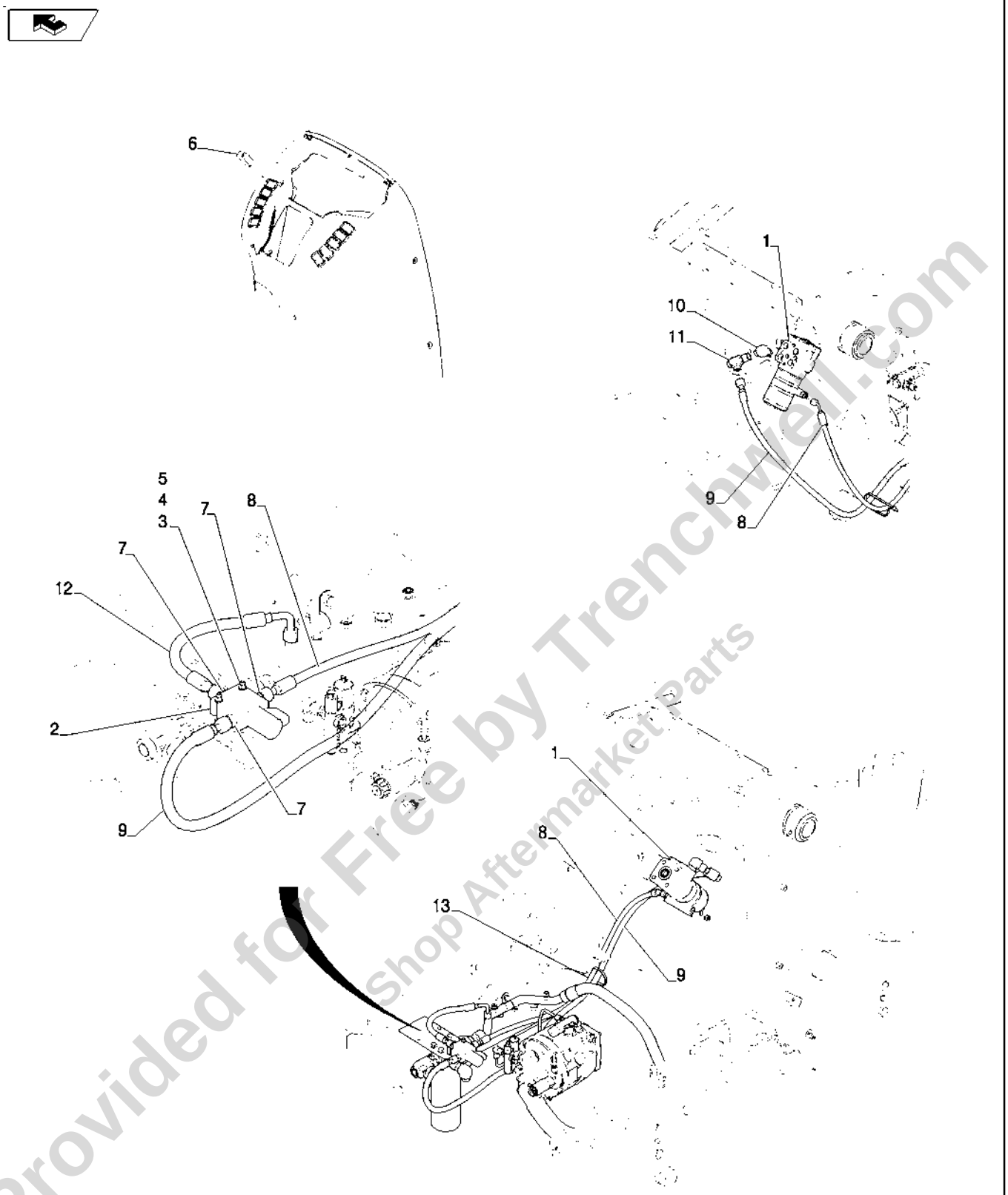
STEERING - COMFORT STEER (580SN, 580SN WT, 590SN)



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STEERING - COMFORT STEER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87579286		1	HYDRAULIC PUMP, 580N, 580SN
1		87665116		1	HYDRAULIC PUMP, 580SN WT, 590SN
2		87382811		1	SOLENOID VALVE
3		814-6050		2	BOLT, Hex, M6 x 50, 8.8
4		832-10406		2	NUT, M6 x 1, Cl 8
5		87655041		4	SPECIAL WASHER
6		87585817		1	SWITCH
7		9993143		3	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
8		84251296		1	HOSE ASSY.
9		84252231		1	HOSE ASSY.
10		9992307		1	ELBOW, 90º, 13/16"-16 x 3/4"-16 Adj, ORFS
11		86624132		1	TEE, 13/16"-16 ORFS x 13/16"-16 Sw Run
12		84286202		1	HOSE ASSY.
13		L18331		1	CABLE STRAP

580SN WT 590SN
580SN

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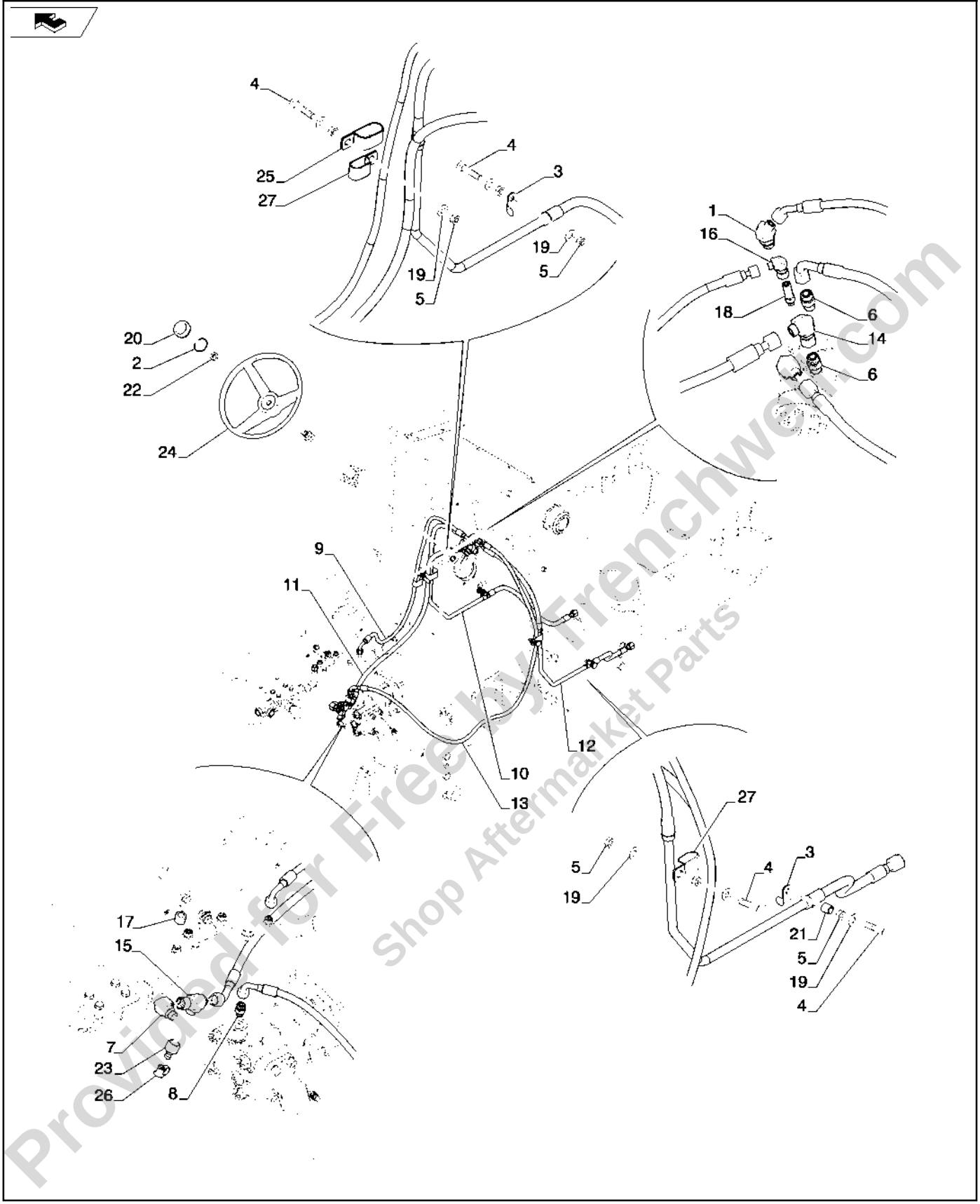
HYDRAULICS - STEERING (580N)



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HYDRAULICS - STEERING (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		201-344		1	ELBOW, 45º, 11/16"-16 x 3/14"-16, Adj, ORFS
2		238-5227		1	O-RING, -227, 70 Duro, 2.109" ID x .139" Thk
3		515-23159		2	CLAMP, 5/8", Insul, 3/8" Bolt
4		711-10050		4	CARRIAGE BOLT, Short NK, M10 x 50, Cl8.8
5		829-1410		7	NUT, M10, Cl 10
6		9992305		2	HYD CONNECTOR, 13/16"-16 ORFS x 3/4"-16 ORB
7		9992307		1	ELBOW, 90º, 13/16"-16 x 3/4"-16 Adj, ORFS
8		9993143		1	HYD CONNECTOR, 11/16"-16 ORFS x 9/16"-18 ORB
9		84279129		1	HOSE
10		84284727		1	HYD. TUBE
11		84358586		1	HOSE
12		84386030		1	HYD. TUBE
13		84386222		1	HOSE
14		84989383		1	ELBOW, 90º, 13/16"-16 ORFS x 13/16"-16 Fem Sw
15		86624132		1	TEE, 13/16"-16 ORFS x 13/16"-16 Sw Run
16		87017578		1	ELBOW, 90º, 9/16"-18 x 9/16"-18 Fem Sw ORFS
17		87331950		1	CAP ASSY.
18		87530057		1	FITTING
19		87655046		7	SPECIAL WASHER
20		114882A2		1	CAP
21		120303A1		1	SPACER
22		1959509C1		1	NUT
23		322529A1		1	COUPLING
24		A65544		1	STEERING WHEEL
25		D39696		1	CLAMP
26		H434163		1	DUST CAP
27		L302731		2	CLAMP

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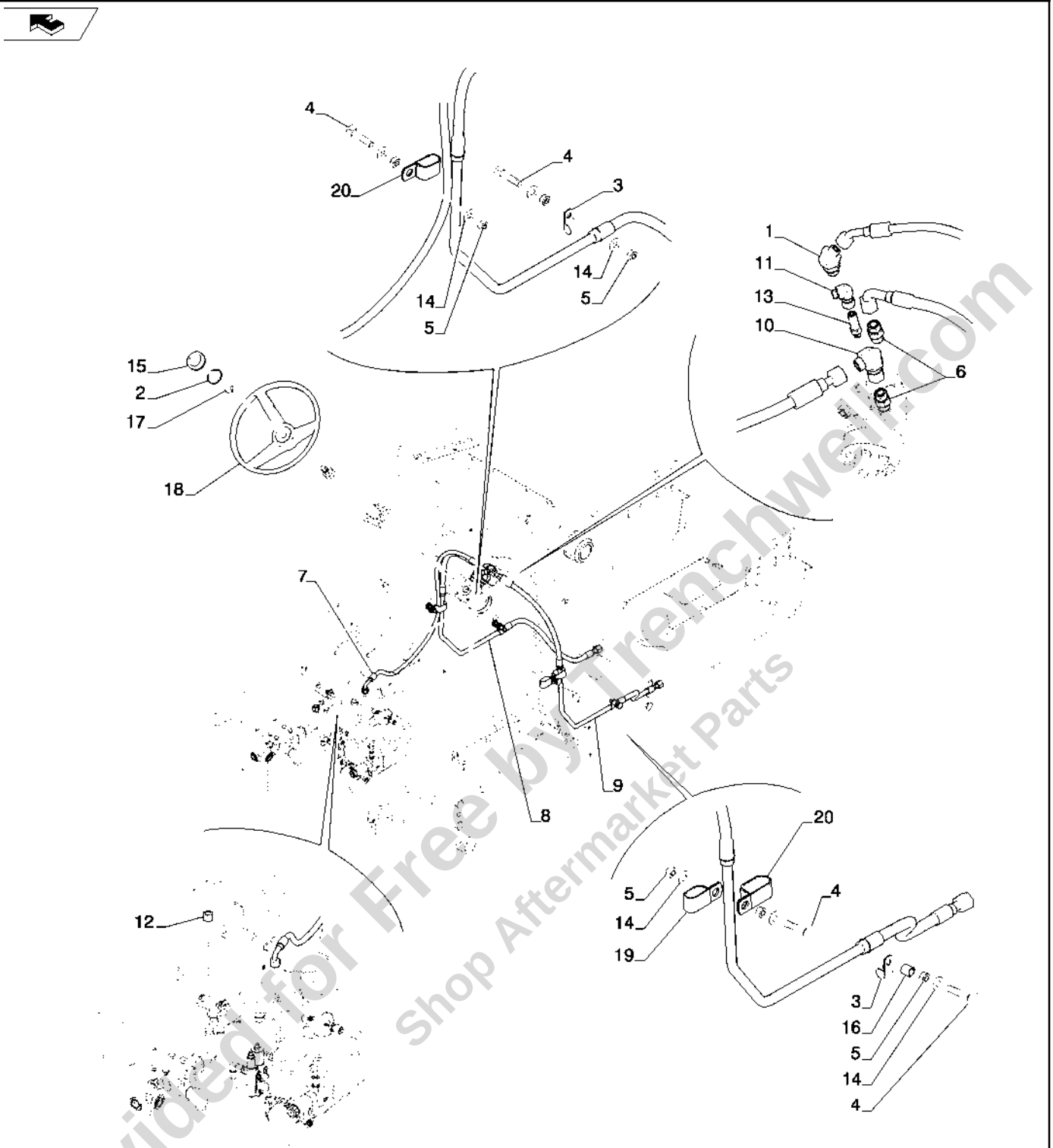
HYDRAULICS - STEERING (580SN, 580SN WT, 590SN)



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HYDRAULICS - STEERING (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		201-344		1	ELBOW, 45º, 11/16"-16 x 3/14"-16, Adj, ORFS
2		238-5227		1	O-RING, -227, 70 Duro, 2.109" ID x .139" Thk
3		515-23159		2	CLAMP, 5/8", Insul, 3/8" Bolt
4		711-10050		4	CARRIAGE BOLT, Short NK, M10 x 50, Cl8.8
5		829-1410		7	NUT, M10, Cl 10
6		9992305		2	HYD CONNECTOR, 13/16"-16 ORFS x 3/4"-16 ORB
7		84279129		1	HOSE
8		84284727		1	HYD. TUBE
9		84386030		1	HYD. TUBE
10		84989383		1	ELBOW, 90º, 13/16"-16 ORFS x 13/16"-16 Fem Sw
11		87017578		1	ELBOW, 90º, 9/16"-18 x 9/16"-18 Fem Sw ORFS
12		87331950		1	CAP ASSY.
13		87530057		1	FITTING
14		87655046		7	SPECIAL WASHER
15		114882A2		1	CAP
16		120303A1		1	SPACER
17		1959509C1		1	NUT
18		A65544		1	STEERING WHEEL
19		D39696		1	CLAMP
20		L302731		2	CLAMP

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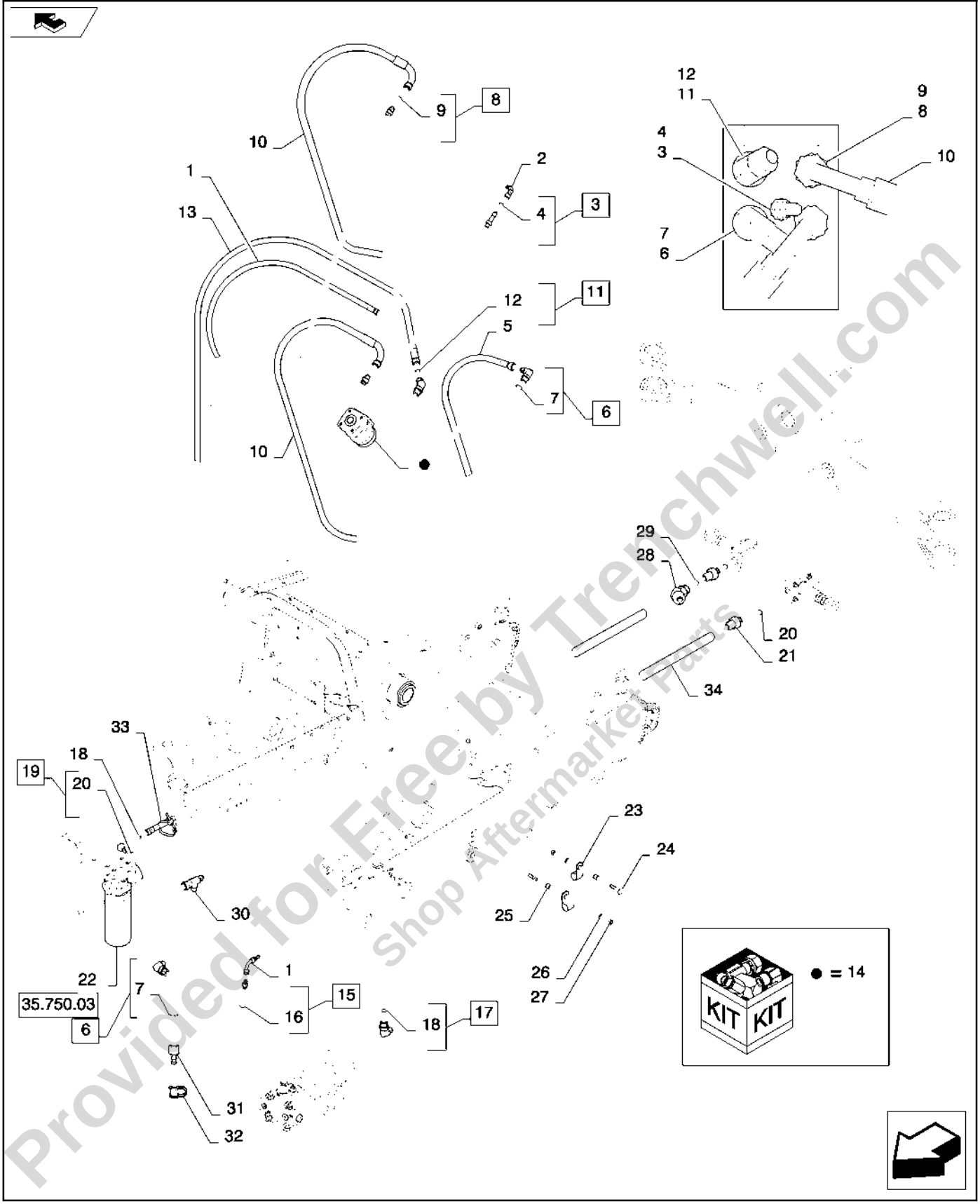
HYDRAULICS - STEERING



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HYDRAULICS - STEERING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87439137		1	HYDRAULIC HOSE, 1675 mm (66 in), Steering Pilot Hose
2		218-5228		1	ELBOW, 90º, 7/16"-20, 37º x 7/16"-20, 37º Fem Sw
3		218-5027		1	HYD CONNECTOR, 1/4", Tube x 1/4", NPTF, 37º, Incl. Ref 4
4		237-6004		1	O-RING, 0.351" ID
5		87439138		1	HYDRAULIC HOSE, 1600 mm (63 in), Steering Pressure
6		218-5106		2	ELBOW, 90º, 3/4"-16, 37º x 3/4"-16, O-Ring, Incl. Ref 7; For Tee Used Between This Elbow and Hose On Models With Comfort Steer
7		237-6008		1	O-RING, 0.176" ID x 0.316" OD x 0.07"
8		218-5059		2	HYD CONNECTOR, 3/4"-16, 37º x 3/4"-16, O-Ring, Incl. Ref 9
9		237-6008		1	O-RING, 0.176" ID x 0.316" OD x 0.07"
10		87429382		2	HYDRAULIC HOSE, 1520 mm (59-7/8 in), To Steering Cylinder
11		218-5136		1	ELBOW, 45º, 3/4"-16, 37º x 3/4"-16, O-Ring, Incl. Ref 12
12		237-6008		1	O-RING, 0.176" ID x 0.316" OD x 0.07"
13		87439136		1	HOSE ASSY., 1550 mm (61-1/16 in), Return
14		87419636		1	HYDRAULIC STEERING, Control Valve; Includes 87454545 Seal Kit, 396592A1 Anti-Cavitation Valve Kit, 396593A1 Bolt Kit; No Longer Available, For Service Order 87751598
		87454545		1	SEAL KIT, Includes (2) Seals, (8) O-Rings
		396592A1		1	KIT, Anti-Cavitation Valve; Includes (2) Balls, (4) Springs, (2) Retainers
		396593A1		1	KIT, Bolt; Includes (7) Bolts
14		87751598		1	HYDRAULIC STEERING, VALVE Control; Includes 87661956 Seal Kit, 87661957 Anti-Cavitation Valve Kit, 87661958 Bolt Kit
		87661956		1	SEAL KIT, Includes (3) Seals, (9) O-Rings
		87661957		1	HYD PUMP REPAIR KIT, Anti-Cavitation Valve; Includes (2) Balls, (4) Springs, (2) Plugs

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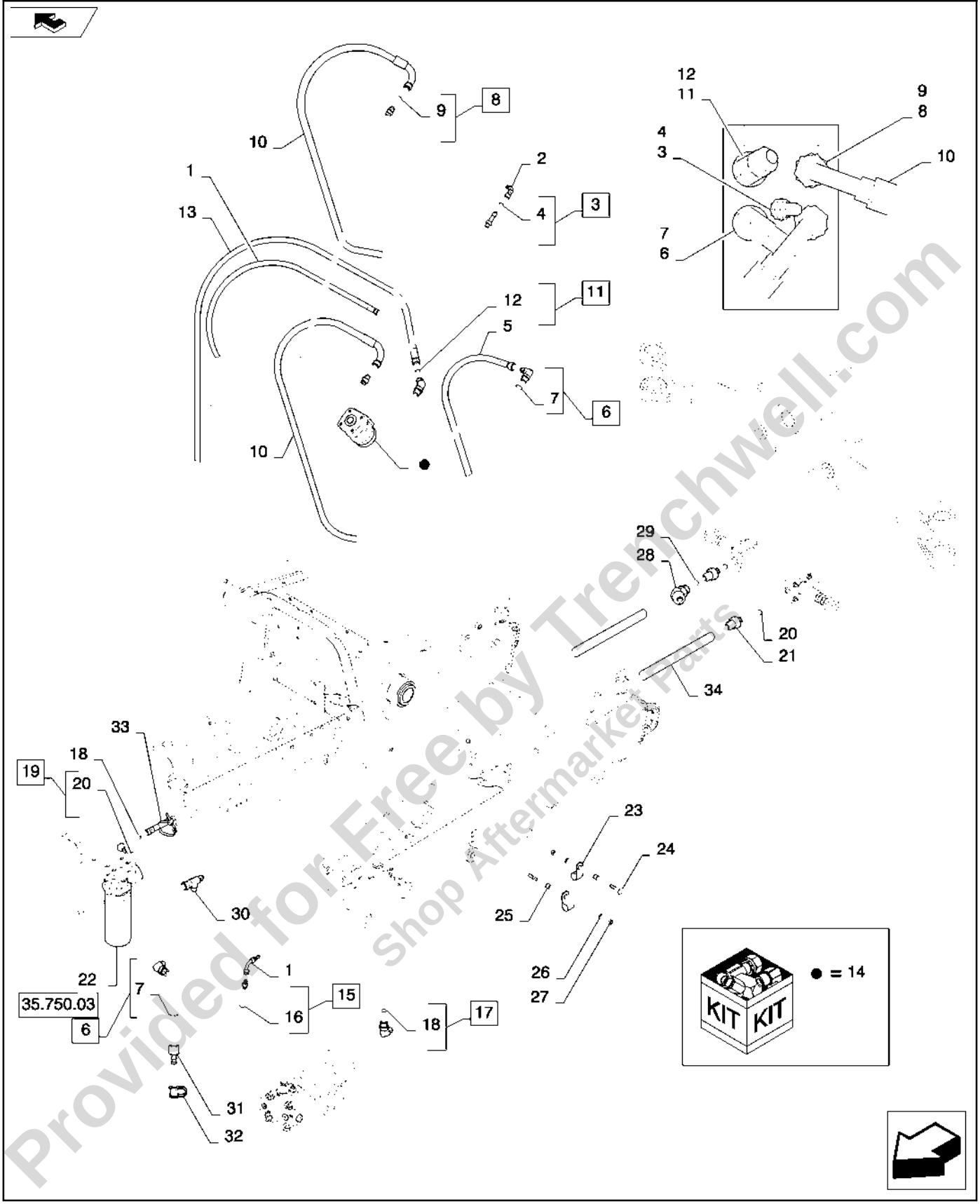
HYDRAULICS - STEERING



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HYDRAULICS - STEERING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87661958		1	HYD PUMP REPAIR KIT, Bolt Kit; Includes (7) Bolts
15		218-5057		1	HYD CONNECTOR, 9/16"-18, 37º x 9/16"-18, O-Ring, Incl. Ref 16, Standard Equipment, Models Without Auxiliary Hydraulics
16		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07"
17		282428A1		1	PRESSURE RELIEF VALVE, Check, Tee, 9/16; Incl. Ref 18; Models with Auxiliary Hydraulics
18		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07"
19		218-5280		1	ELBOW, 90º, 3/4"-16, 37º x 9/16"-18, O-Ring, Incl. Ref 20; 580N, 580SN, 580SN WT
19		218-5230		1	ELBOW, 90º, 3/4"-16, 37º x 3/4"-16, 37º Fem Sw, 590SN
		218-5351			HYD CONNECTOR, 3/4"-16, 37º x 9/16"-18, O-Ring, 590SN
20		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07"
21		218-5351		2	HYD CONNECTOR, 3/4"-16, 37º x 9/16"-18, O-Ring
22		84248499		1	FILTER ASSY, Hydraulic Oil; See Fig. 35.750.03
23		515-23159		2	CLAMP, 5/8", Insul, 3/8" Bolt, P-Type
24		711-10050		2	CARRIAGE BOLT, Short NK, M10 x 50, Cl8.8
25		120303A1		2	SPACER
26		892-11010		2	LOCK WASHER, M10
27		829-1410		2	NUT, M10, Cl 10
28		218-5529		1	ELBOW, 45º, 3/4"-16, 37º x 9/16"-18, O-Ring, 4WD
29		237-6006		1	O-RING, 0.114" ID x 0.254" OD x 0.07"
30		218-845		1	TEE, 37º, 3/4"-16 x 3/4"-16, Fem Sw Run
31		192834A1		1	COUPLING, Diagnostic
32		H434163		1	DUST CAP
33		L11541		1	CABLE STRAP
34		191704A1		2	HOSE PROTECTION, Running From Pump To Cylinder

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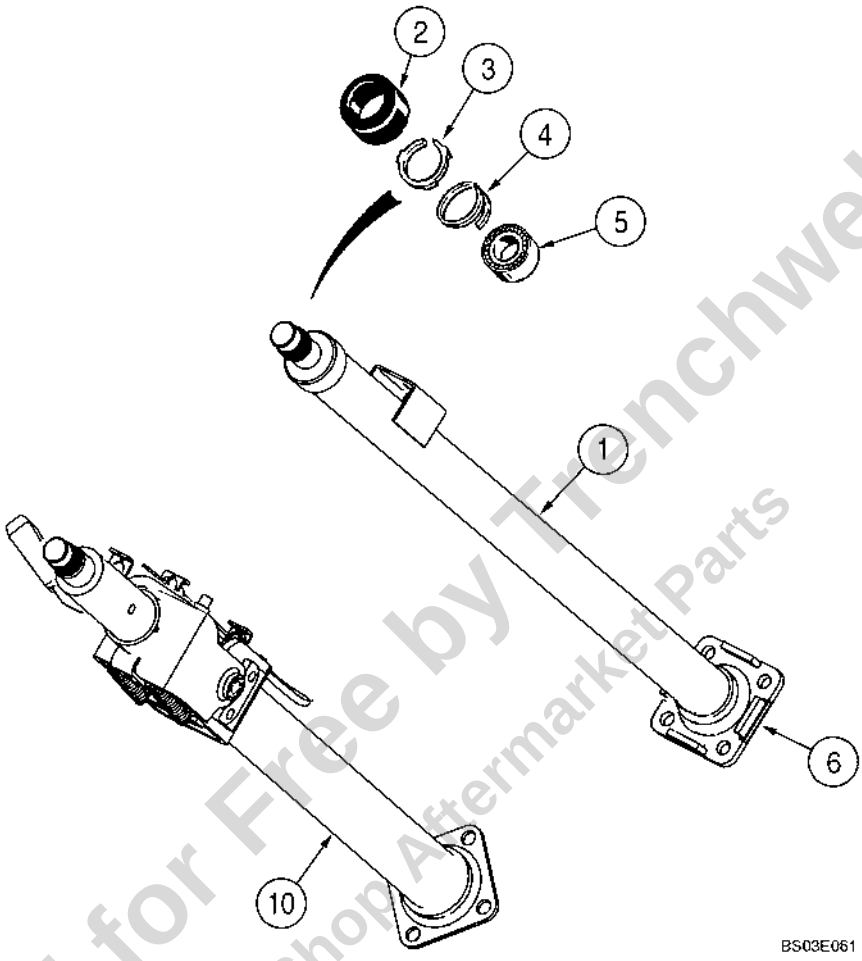
41.204.05		p1	09/10

STEERING - COLUMN, TILT (580N)



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STEERING - COLUMN, TILT (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		348794A1		1	COLUMN-STEERING, Canopy Models, Incl. Ref 1 - 6
		352568A1		1	COLUMN-STEERING, Cab Models; Without Tilt Steering; Incl. Ref 1 - 6
1		NSS		1	NOT SERVICED SEPARATELY, Column
2		S115351		1	CAP
3		NSS		1	NOT SERVICED SEPARATELY, Retainer
4		102-1387		1	SNAP RING, #87, Ext, Spiral
5		NSS		1	NOT SERVICED SEPARATELY, Bearing
6		NSS		1	NOT SERVICED SEPARATELY, Flange
10		352569A4		1	STEERING COLUMN, 712 mm Long, Cab Models, With Tilt Steering, Includes 87659610, 87659611, 87659612, 87659616
		87659610		1	KIT, Spring Set, Tilt Column, SVC
		87659611		1	KIT, Segment Set, Tilt Column SVC
		87659612		1	KIT, Lever Set, Tilt Column SVC
		87659616		1	KIT, Cable, Tilt Column SVC

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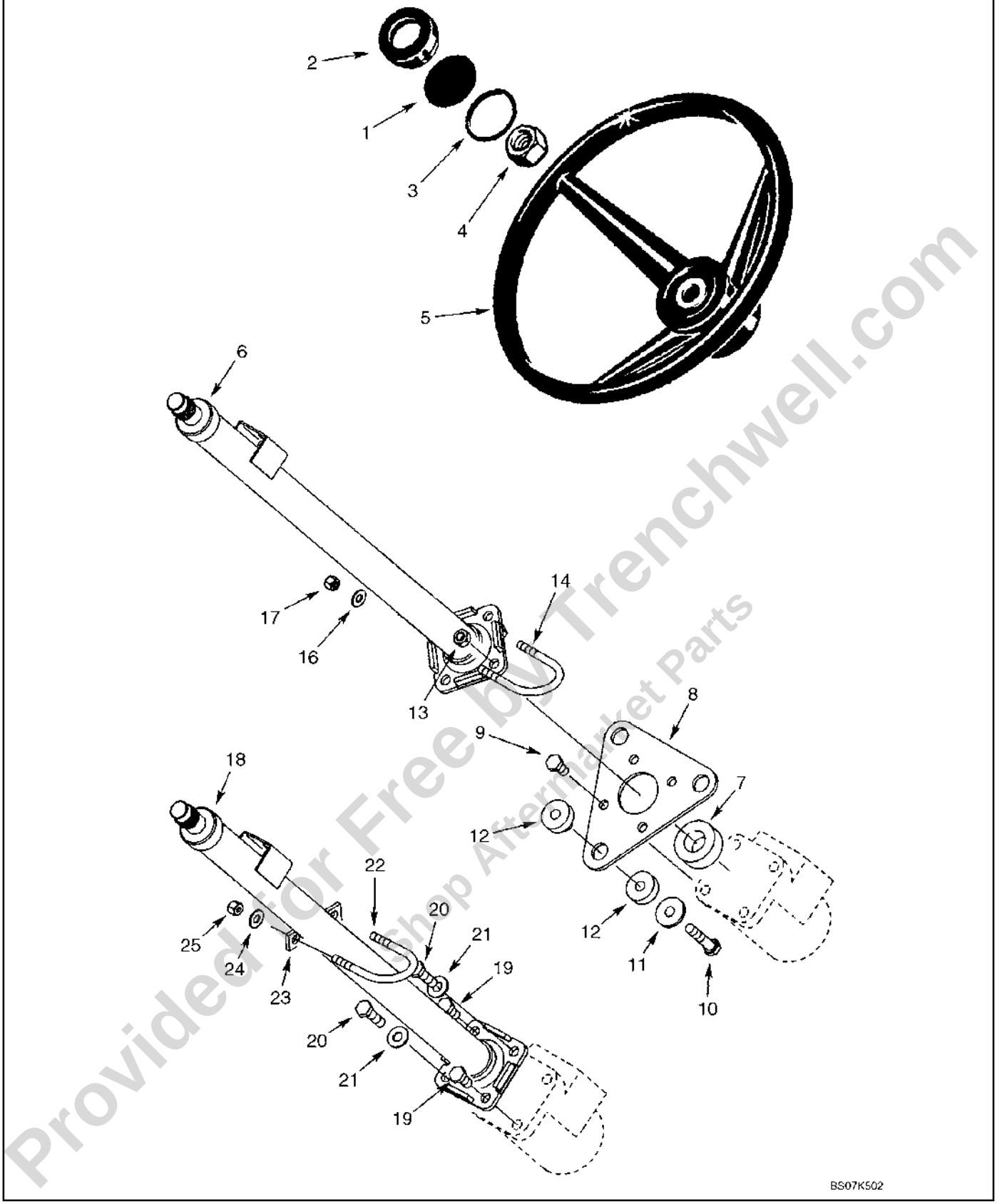
41.204.08		p1	09/10

STEERING - COLUMN (580N)



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STEERING - COLUMN (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87435569		1	EMBLEM, Insert, Case
2		114882A2		1	CAP
3		238-5227		1	O-RING, -227, 70 Duro, 2.109" ID x .139" Thk
4		1959509C1		1	NUT
5		A65544		1	STEERING WHEEL
6		352568A1		1	COLUMN-STEERING, Cab Models, Without Tilt Steering
6		352569A4		1	STEERING COLUMN, Cab Models, With Tilt Steering, 712 mm Long
7		352401A1		1	SEAL, 25 x 40 x 19 mm, Sound Insulation
8		388116A2		1	PLATE
9		614-10020		4	BOLT, Hex, M10 x 20, 8.8, Full Thd
10		814-10050		3	BOLT, Hex, M10 x 50, 8.8
11		496-81028		3	WASHER, 13/32" x 1 1/4" x .134", HDN
12		87447450		3	ISOLATOR, 10 mm Hole
13		832-10410		2	LOCK NUT, M10 x 1.5, Cl 8
14		379846A1		1	BOLT "U"
16		895-15008		2	WASHER, M8 x 20 x 1.6
17		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
18		348794A1		1	COLUMN-STEERING, Canopy Models
19		614-10020		2	BOLT, Hex, M10 x 20, 8.8, Full Thd
20		614-10035		2	BOLT, Hex, M10 x 35, 8.8, Full Thd
21		895-15010		2	WASHER, M11 x 24 x 2
22		379846A1		1	BOLT "U"
23		352727A1		1	SPACER
24		895-15008		2	WASHER, M8 x 20 x 1.6
25		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8

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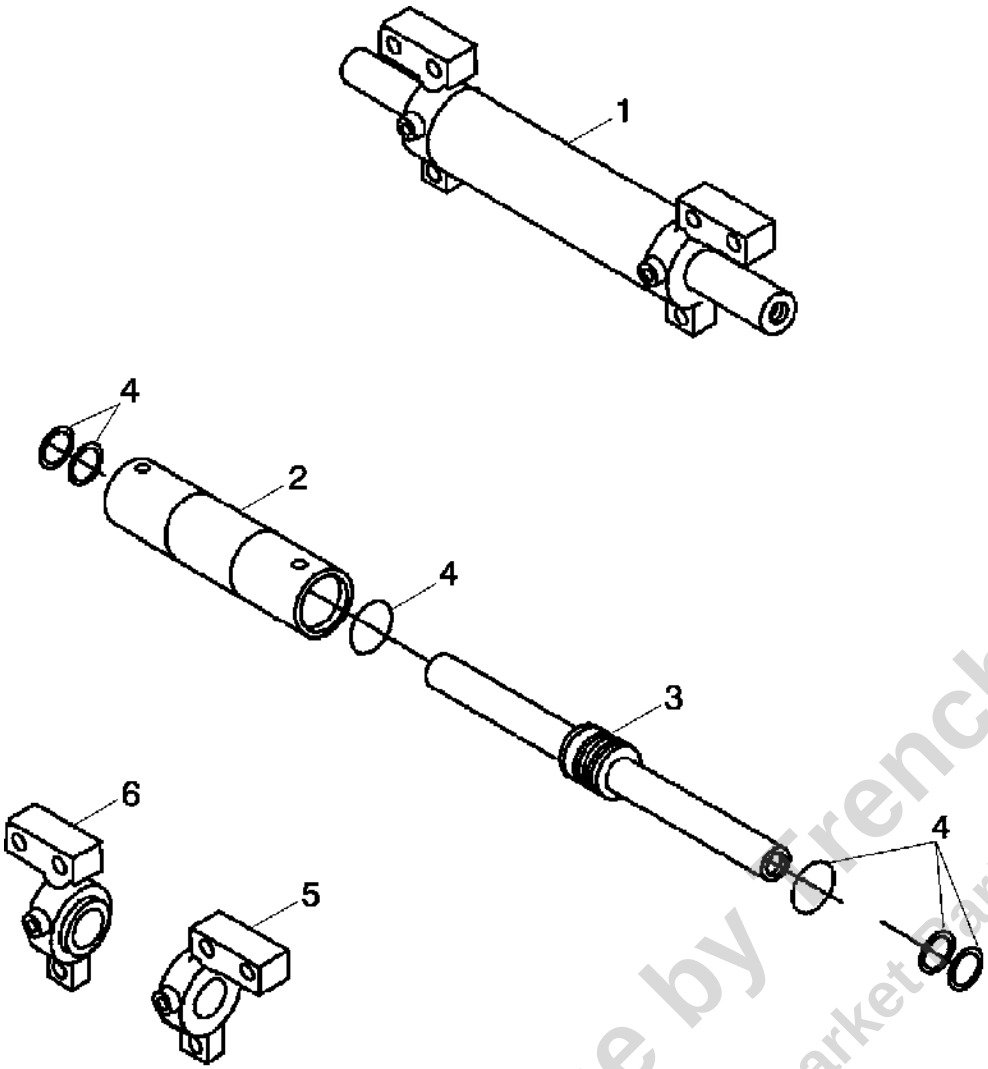
41.216.05	01	p1	10/10

AXLE, FRONT - CYLINDER, STEERING (580SN, 580SN WT)



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AXLE, FRONT - CYLINDER, STEERING (580SN, 580SN WT)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		86990837		1	STEERING AXLE, Front, Two Wheel Drive, Inc 1 - 6
1		401055A1		1	STEERING CYLINDER, Inc Ref 2 - 6
2		NSS		1	NOT SERVICED SEPARATELY, TUBE Cylinder
3		401062A1		1	PISTON ROD
4		401061A1		1	SEAL KIT, Component Parts Not Serviced Separately
5		401063A1		1	HEAD ASSY., Right-Hand
6		401064A1		1	HEAD ASSY., Left-Hand

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580SN WT
590SN

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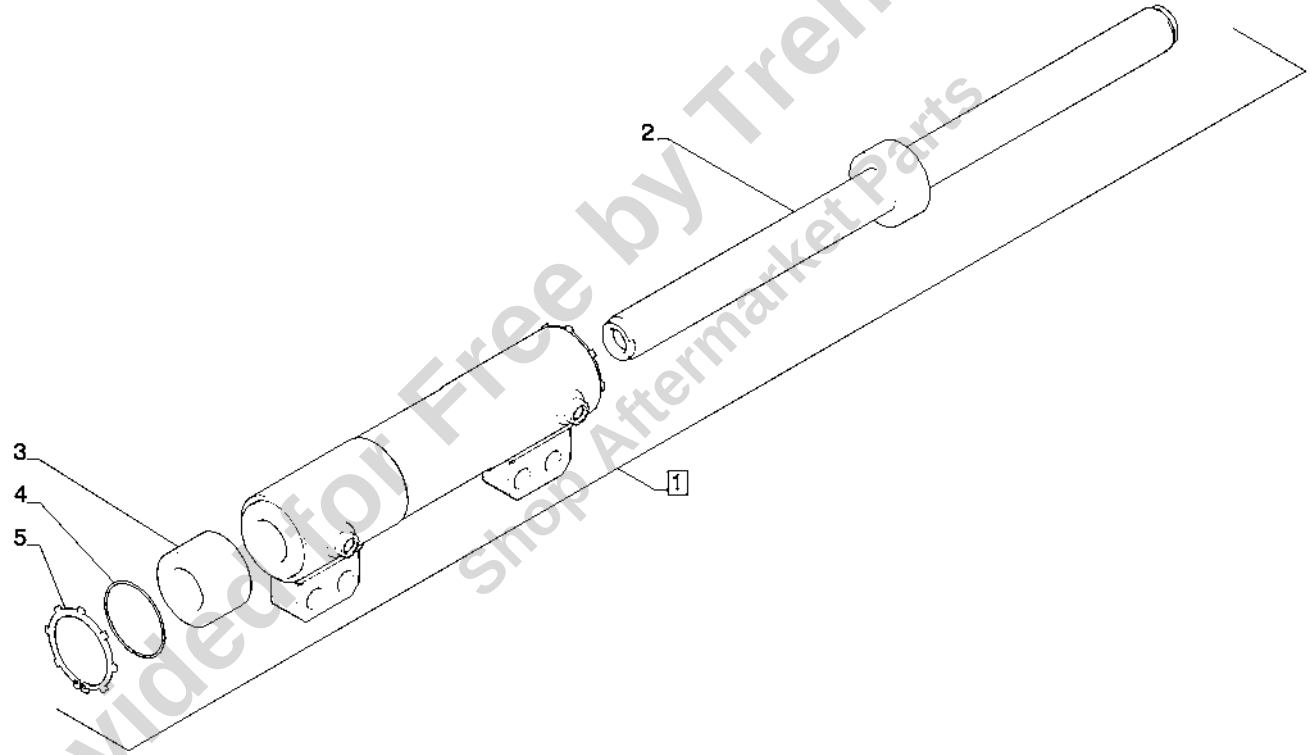
41.216.05	02	p1	10/10

AXLE, FRONT - CYLINDER, STEERING HD ACP (580SN WT, 590SN)



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AXLE, FRONT - CYLINDER, STEERING HD ACP (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84264406		1	STEERING CYLINDER
2		84276953		1	ROD
3		84276994		2	CYLINDER END CAP
4		84276996		2	SNAP RING
5		84276995		2	CIRCLIP
6		84331720		1	SEAL KIT, (Not Shown)

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580SN WT
590SN

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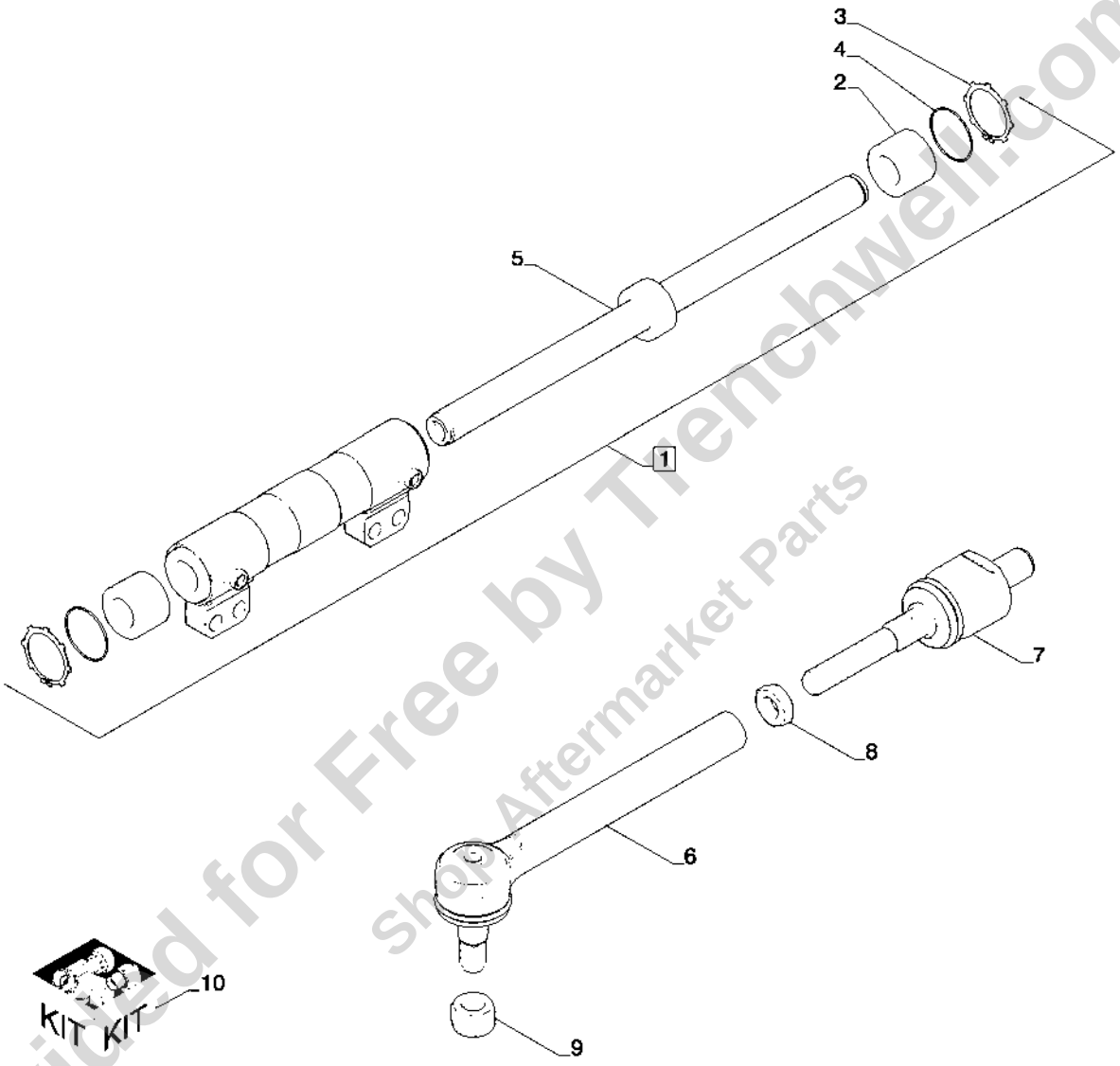
41.216.06		p1	02/12

AXLE, FRONT DRIVE - CYLINDER, STEERING STD ACP (580N,580SN)



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AXLE, FRONT DRIVE - CYLINDER, STEERING STD ACP (580N,580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84264405		1	STEERING CYLINDER
2		84276991		2	CYLINDER END CAP
3		84276993		2	SNAP RING
4		84276992		2	CIRCLIP
5		84276950		1	ROD
6		84276564		2	BALL JOINT, Tie Rod
7		87489981		2	BALL JOINT
8		10726611		2	NUT, Thin, M18, 1.5mm Pitch, Cl 04, ZND
9		87489980		2	NUT
10		84330972		1	SEAL KIT

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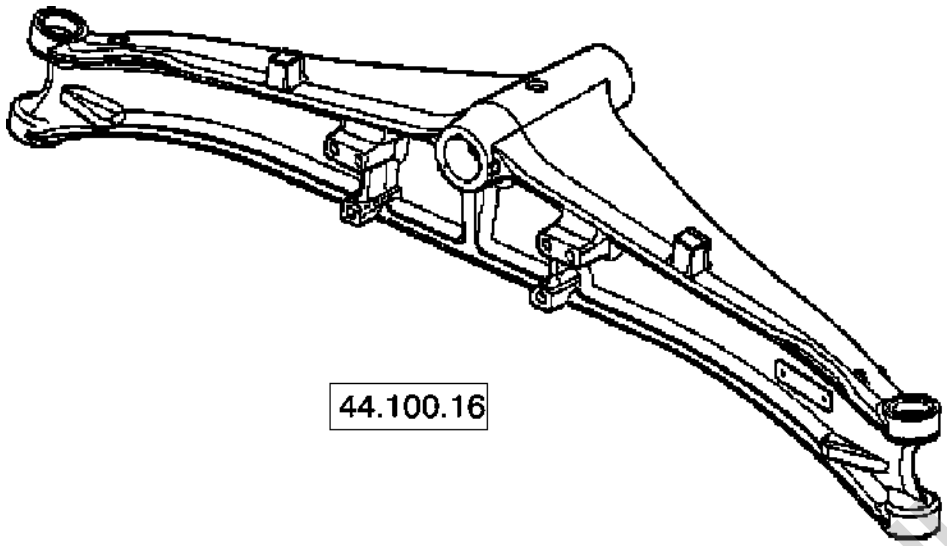
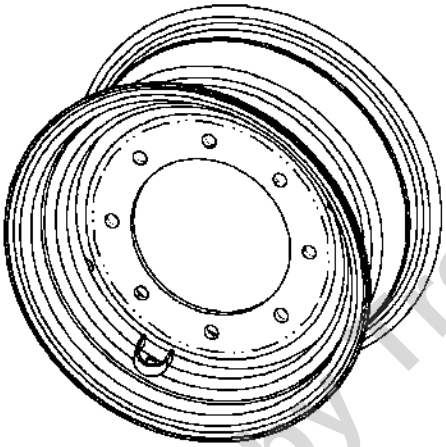
44.000.00		p1	09/10

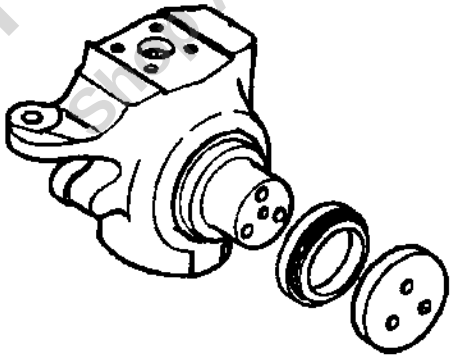
PICTORIAL INDEX - AXLE & WHEELS



44.100.16



44.511.08



44.100.17

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PICTORIAL INDEX - AXLE & WHEELS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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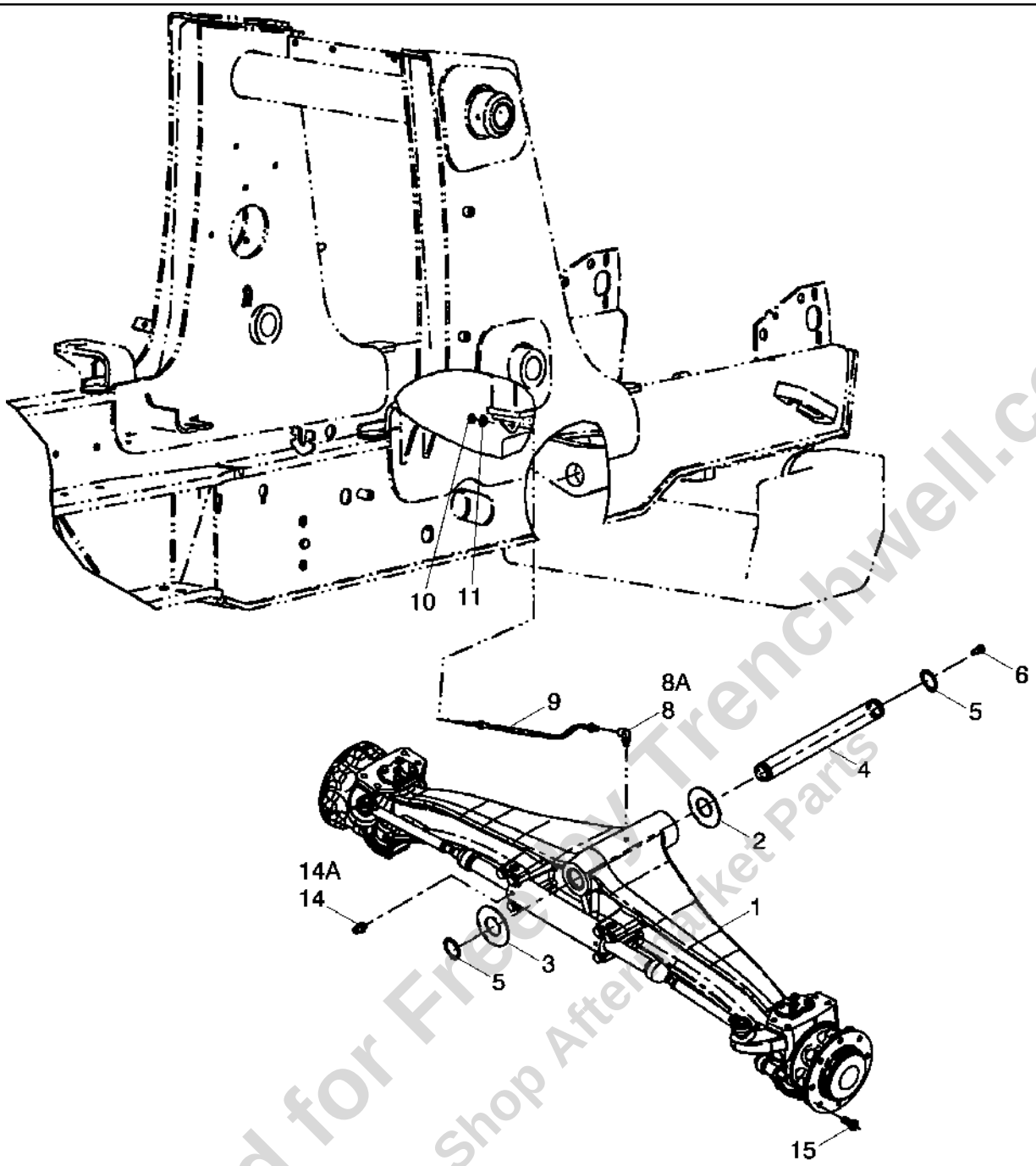
44.100.15	01	p1	03/11

AXLE, FRONT - MOUNTING (580N, 580SN)



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AXLE, FRONT - MOUNTING (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		86990837		1	STEERING AXLE, Front, Two Wheel Drive
1		86990837R		1	REMAN-AXLE
1		86990837C		1	CORE-AXLE
2		191796A1		AR	WASHER, 2 x 4 x 1/16
3		D123684		1	WASHER, Thrust, 2-1/2 x 4-1/2 x 3/16
4		87404197		1	PIVOT PIN
5		800-44050		2	SNAP RING, M50, Ext
6		300388		1	BOLT, Hex, M12 x 25, 8.8
8		218-5103		1	ELBOW, 90º, 7/16"-20, 37º x 7/16"-20, O-Ring, Incl. Ref 8A
8A		237-6004		1	O-RING, 0.351" ID
9		87572760		1	HOSE ASSY., 533 mm (21 in), Lubrication Line
10		F53473		1	NUT
11		495-11047		1	WASHER, 7/16", SAE
14		9992342		2	HYD CONNECTOR
14A		9992298		1	O-RING, 0.489" ID x 0.629" OD x 0.07"
15		A38208		16	WHEEL BOLT

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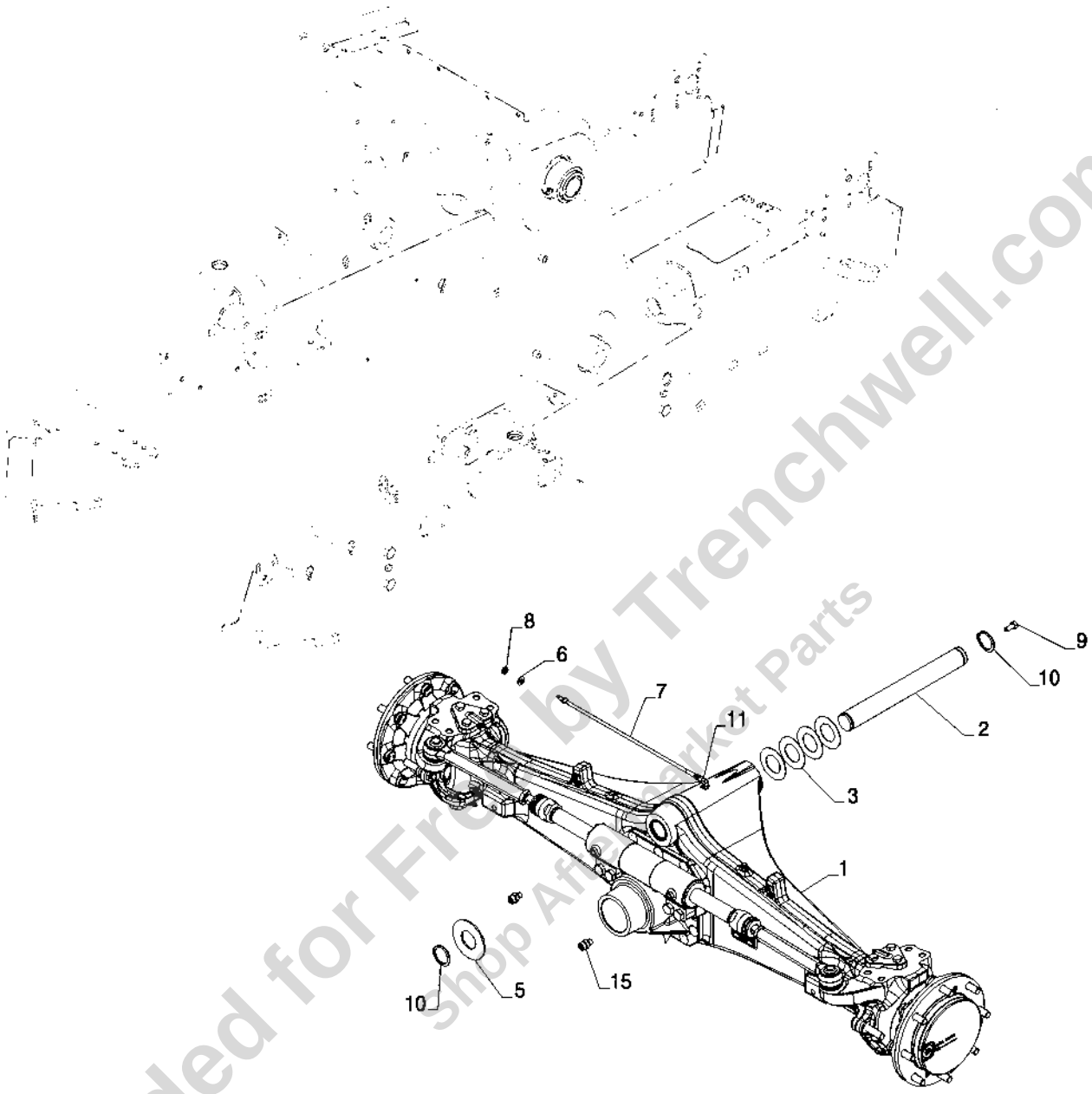
44.100.15	02	p1	03/11

AXLE, FRONT - MOUNTING (590SN)



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AXLE, FRONT - MOUNTING (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84221138		1	STEERING AXLE, HD ACP 2WD
1		84221138R		1	STEERING AXLE
1		84221138C		1	STEERING AXLE
2		87404197		1	PIVOT PIN
3		191796A1		4	WASHER
4		9992342		2	HYD CONNECTOR
5		D123684		1	WASHER
6		87655046		1	SPECIAL WASHER
7		87572760		1	HOSE ASSY.
8		F53473		1	NUT
9		614-12025		1	BOLT, Hex, M12 x 25, 8.8
10		800-44050		2	SNAP RING, M50, Ext
11		218-5103		1	ELBOW, 90º, 7/16"-20, 37º x 7/16"-20, O-Ring

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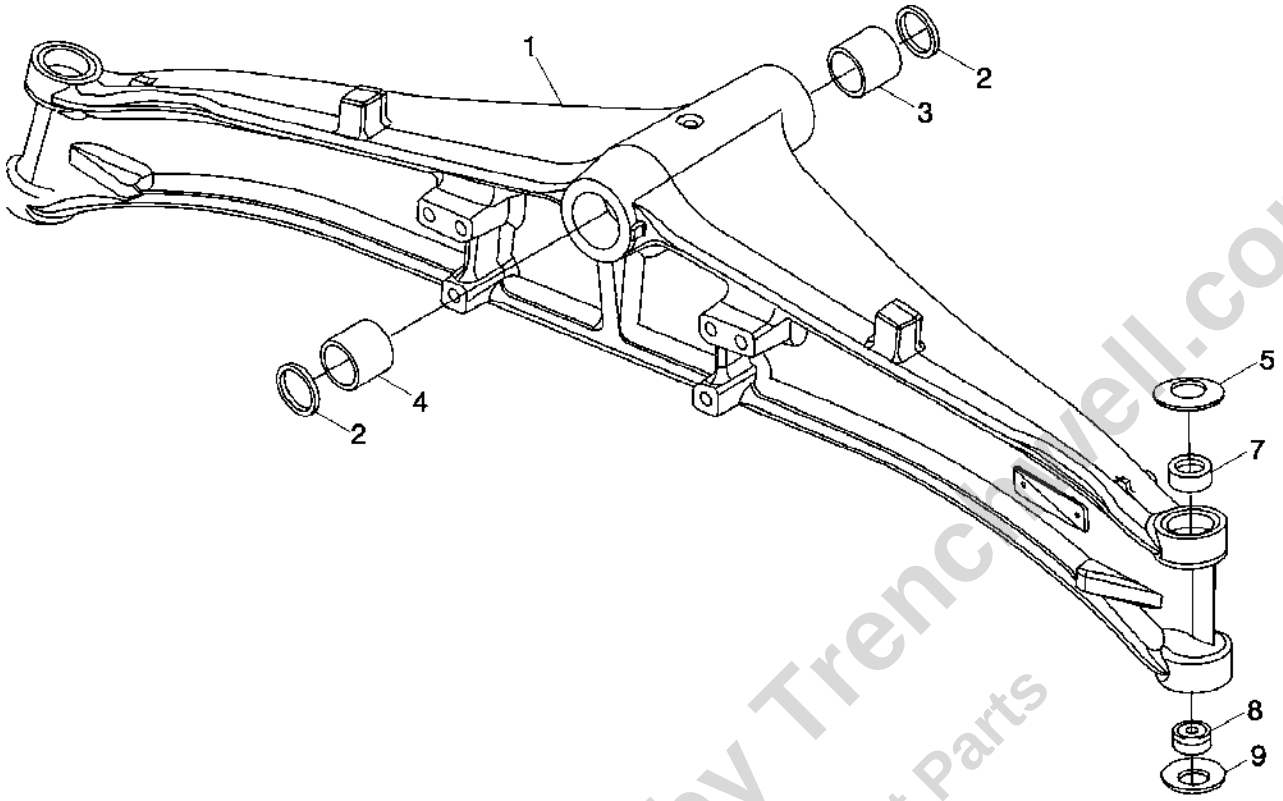
44.100.16	01	p1	03/11

AXLE, FRONT - HOUSING (580N, 580SN)



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AXLE, FRONT - HOUSING (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		86990837		1	STEERING AXLE, Front, Two Wheel Drive, Incl. 1 - 9
1		429230A1		1	AXLE HOUSING
2		N14367		2	SEAL
3		D149726		1	BUSHING, Front
4		D149725		1	BUSHING, Rear
5		122270A1		2	WASHER, Belleville
7		87400286		2	BUSHING
8		N14373		2	SPHERICAL BEARING, 28mm ID x 52mm OD x 16mm, Bushing; Two Piece; 28 ID x 50 OD x 16
9		122261A1		2	WASHER, Belleville

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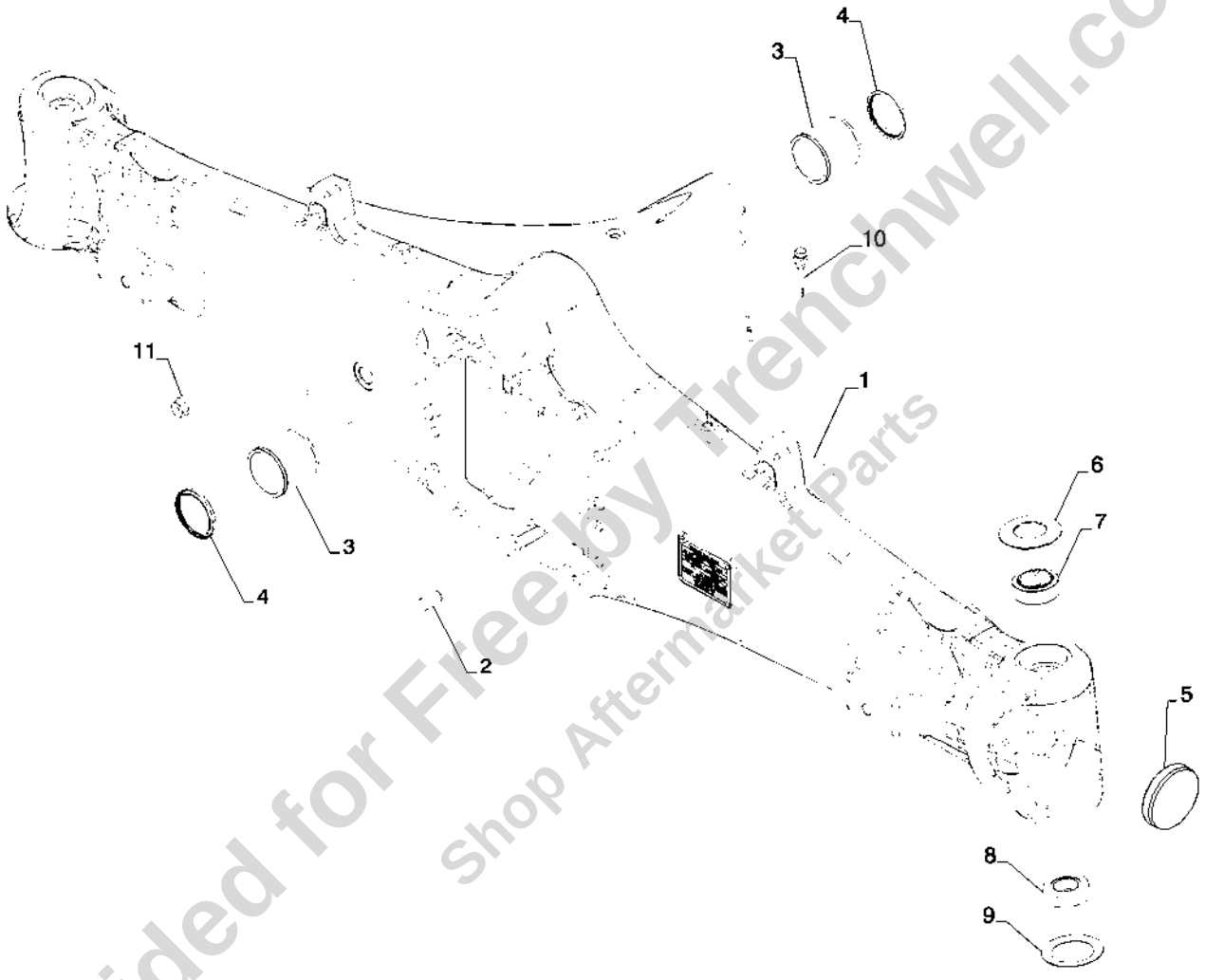
44.100.16	02	p1	03/11

AXLE, FRONT - HOUSING (580SN WT, 590SN)



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AXLE, FRONT - HOUSING (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84310708		1	AXLE
2		4985062		2	DOWEL, M15 x 25.00mm
3		87748946		2	BUSHING
4		D123655		2	SEAL
5		8421102		2	SPARE PART

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580SN WT
590SN

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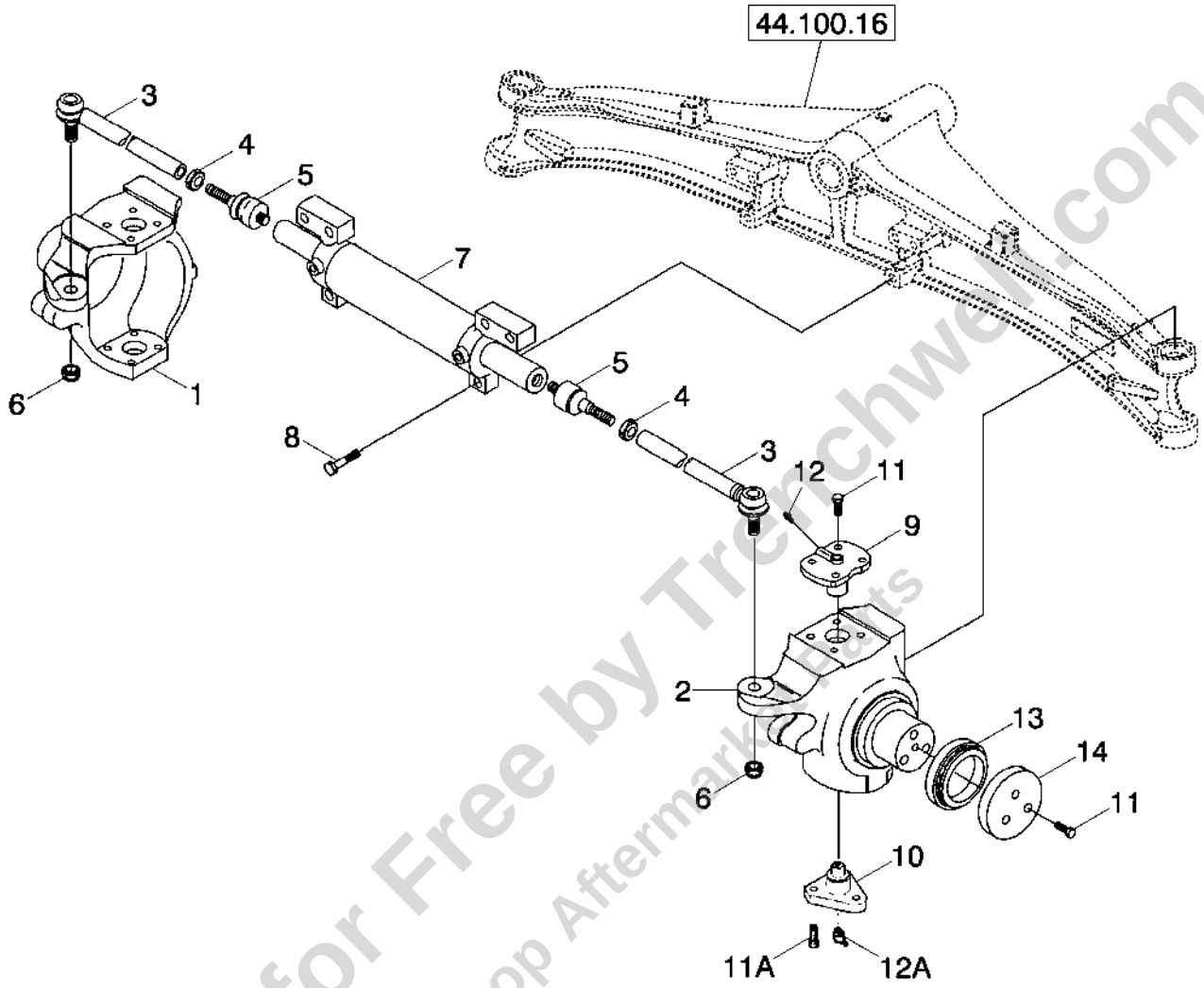
44.100.17	01	p1	03/11

AXLE, FRONT - HOUSING, SWIVEL (580N, 580SN)



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AXLE, FRONT - HOUSING, SWIVEL (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		86990837		1	STEERING AXLE, Front, Two Wheel Drive, Incl. 1 - 14
1		429231A1		1	STEERING KNUCKLE, Swivel, Left-Hand
2		429232A1		1	STEERING KNUCKLE, Swivel, Right-Hand
		401052A1		2	STEERING ASSY, Arm, Incl. Ref 3 - 5
3		401054A1		1	TIE ROD
4		934727R1		1	NUT, Thin, M18 x 1.5, Cl 04
5		112509A1		1	BALL JOINT
6		905839R1		2	LOCK NUT, M18 x 1.5, Thin
7		401055A1		1	STEERING CYLINDER
8		863-16070		6	HEX SOC SCREW, Hex Soc Hd, M16 x 70, 12.9
9		122265A1		2	PIN, King, Upper
10		122259A1		2	PIVOT, King Pin, Lower; Triangular Shape
11		100533A1		14	BOLT, Lock, M12 x 30
11A		D150214		6	SCREW, Lock, M14 x 35; Lower King Pin
12		321204		2	LUBE NIPPLE, M6 x 1, 16mm lg
12A		N13505		2	LUBE NIPPLE, 45°, M6 x 1, Lower King Pin
13		401059A1		2	BEARING, ROLLER, Thrust
14		401060A1		2	WASHER, THRUST

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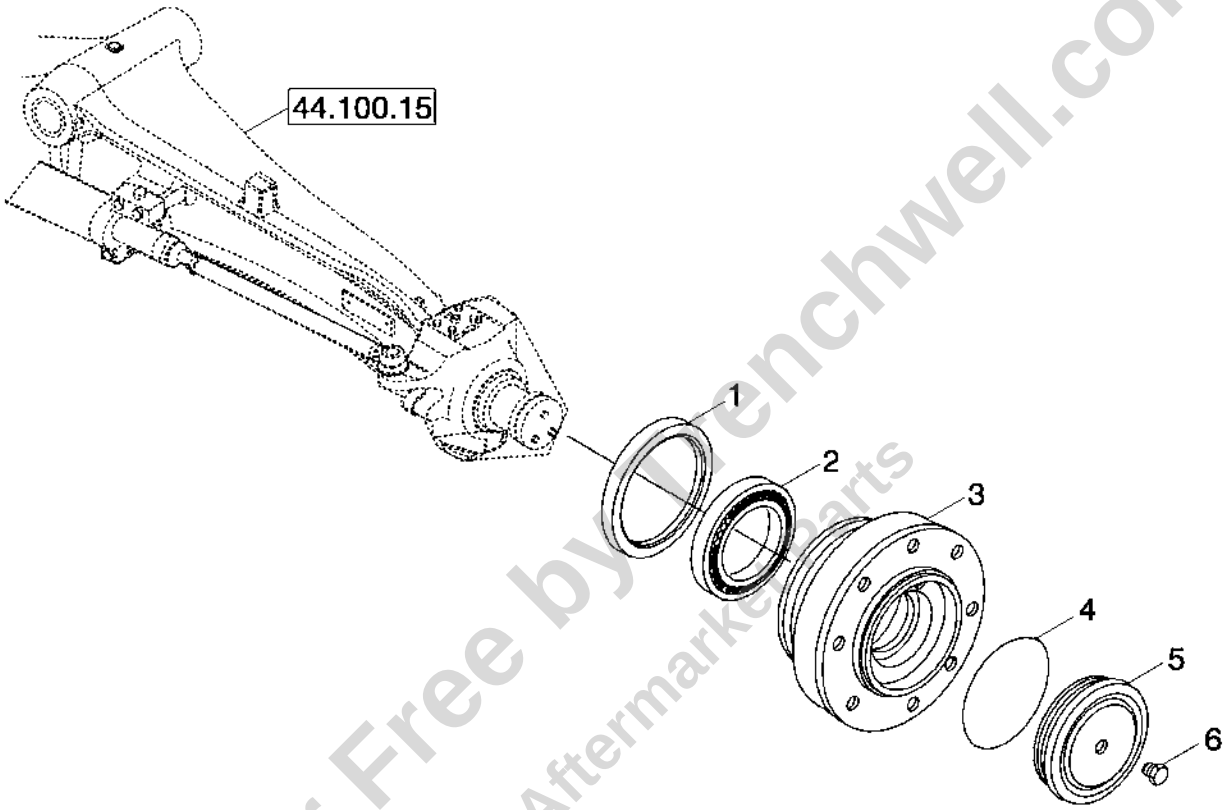
44.101.04	01	p1	03/11

AXLE, FRONT - HUB AND BEARINGS (580N, 580SN)



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AXLE, FRONT - HUB AND BEARINGS (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		86990837		1	STEERING AXLE, Front, Two Wheel Drive; Incl. 1 - 6
1		311569A1		2	OIL SEAL
2		324213A1		2	BEARING
3		401065A1		2	HUB
4		401066A1		2	O-RING
5		401067A1		2	COVER
6		D142898		2	PLUG, 10 x 1 mm

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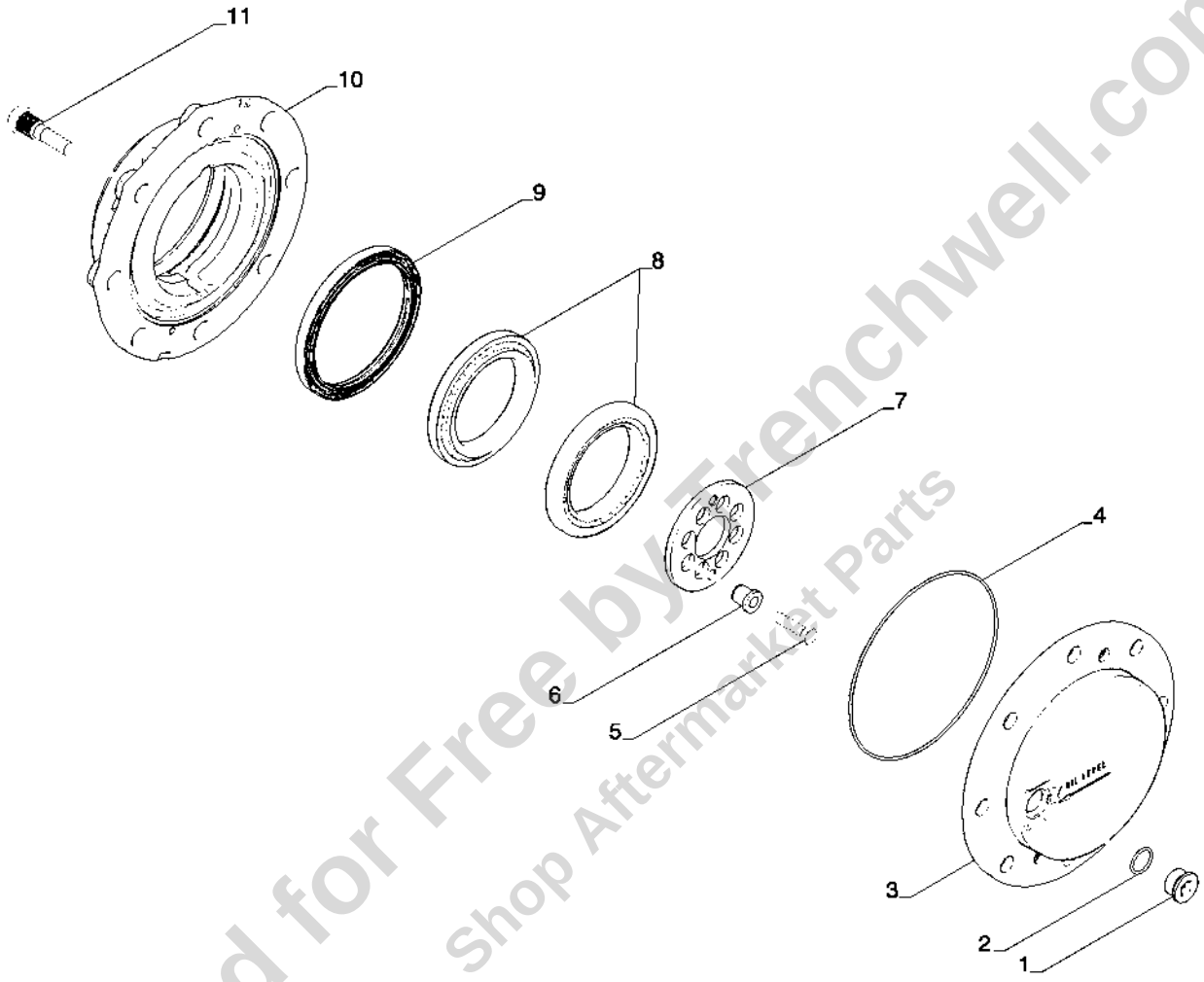
44.101.04	02	p1	05/11

AXLE, FRONT - HUB AND BEARINGS (590SN)



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AXLE, FRONT - HUB AND BEARINGS (590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84272055		1	PLUG
2		9626929		1	O-RING, 1.048" ID x 0.116" Width
3		84210797		1	COVER
4		14468780		1	O-RING, 8.734" ID x 9.012" OD x 0.139"
5		84273747		8	LOCK BOLT
6		84252637		8	SLEEVE
7		84211140		1	FLANGE
8		5133737		2	ROLLER BEARING, 109.53mm x 158.75mm x 23.02mm
9		87349641		1	OIL SEAL, 150.00mm x 180.00mm x 15.50-16.00mm
10		84297567		1	HUB
11		84264323		8	STUD

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44.511.08		p1	01/12

WHEELS, FRONT - TIRES

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WHEELS, FRONT - TIRES

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		D125223		2	WHEEL, 580N, 580SN 11L x 16 - 10 PR F3 Tires
1		197771A1		2	WHEEL, 580N, 580SN 11L x 16 - 10PR R3 Tires
2		NS		2	NOT SERVICED, TIRE Purchase Locally
3		387897R91		2	VALVE STEM
4		84210060		2	WHEEL, 580N, 580SN 12 x 16.5 - 10 PR Tires; Replaces 119243A1 This Application
4		87699875		2	WHEEL, 580SN WT 12.5/80 x 18 - 10 PR SG
4		87599084		2	WHEEL ASSY, 590SN 14 x 17.5 Tires
5		NS		2	NOT SERVICED, TIRE Purchase Locally
6		387897R91		2	VALVE STEM
7		A38208		16	WHEEL BOLT, 2WD Models
8		100092		16	NUT, M18 x 1.5, Cl 8, Wheel; Four Wheel Drive Models
9		496-81000		16	WASHER, 25/32" x 1 3/8" x .134", HDN, 4WD Models

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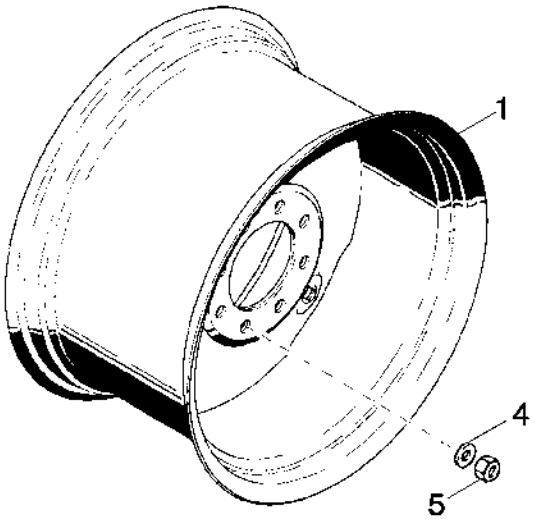
44.520.03		p1	08/10

WHEELS, REAR - TIRES



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WHEELS, REAR - TIRES

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		104907A1		2	WHEEL, 580N, 580SN, 580SN WT Models; 19.5L x 24 Tires - 10 Ply R4
2		27549R1		2	VALVE STEM
3		REF		2	INSTRUCTION, TIRE Purchase Locally
1		119241A1		2	WHEEL, 580N, 580SN Models; 17.5L x 24 Tires - 10 Ply
2		27549R1		2	VALVE STEM
3		REF		2	INSTRUCTION, TIRE Purchase Locally
1		132953A1		2	WHEEL, 580SN WT, 590SN Models; 21L x 24 - 10 Ply
2		A20058		2	VALVE STEM
3		REF		2	INSTRUCTION, TIRE Purchase Locally
1		119242A2		2	WHEEL, 580N, 580SN Models; 16.9 x 28 - 10 Ply
2		27549R1		2	VALVE STEM
3		REF		2	INSTRUCTION, TIRE Purchase Locally
4		87313544		20	WASHER
5		D138492		20	NUT, M22; Wheel

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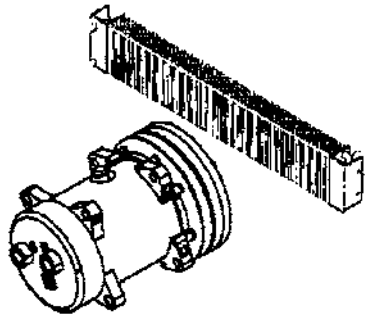
PICTORIAL INDEX - CAB CLIMATE CONTROL



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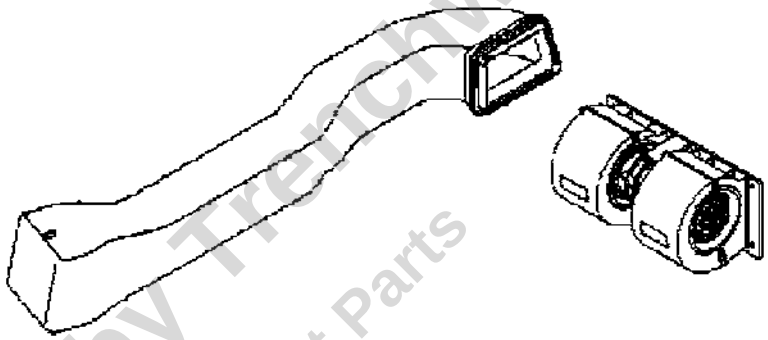

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PICTORIAL INDEX - CAB CLIMATE CONTROL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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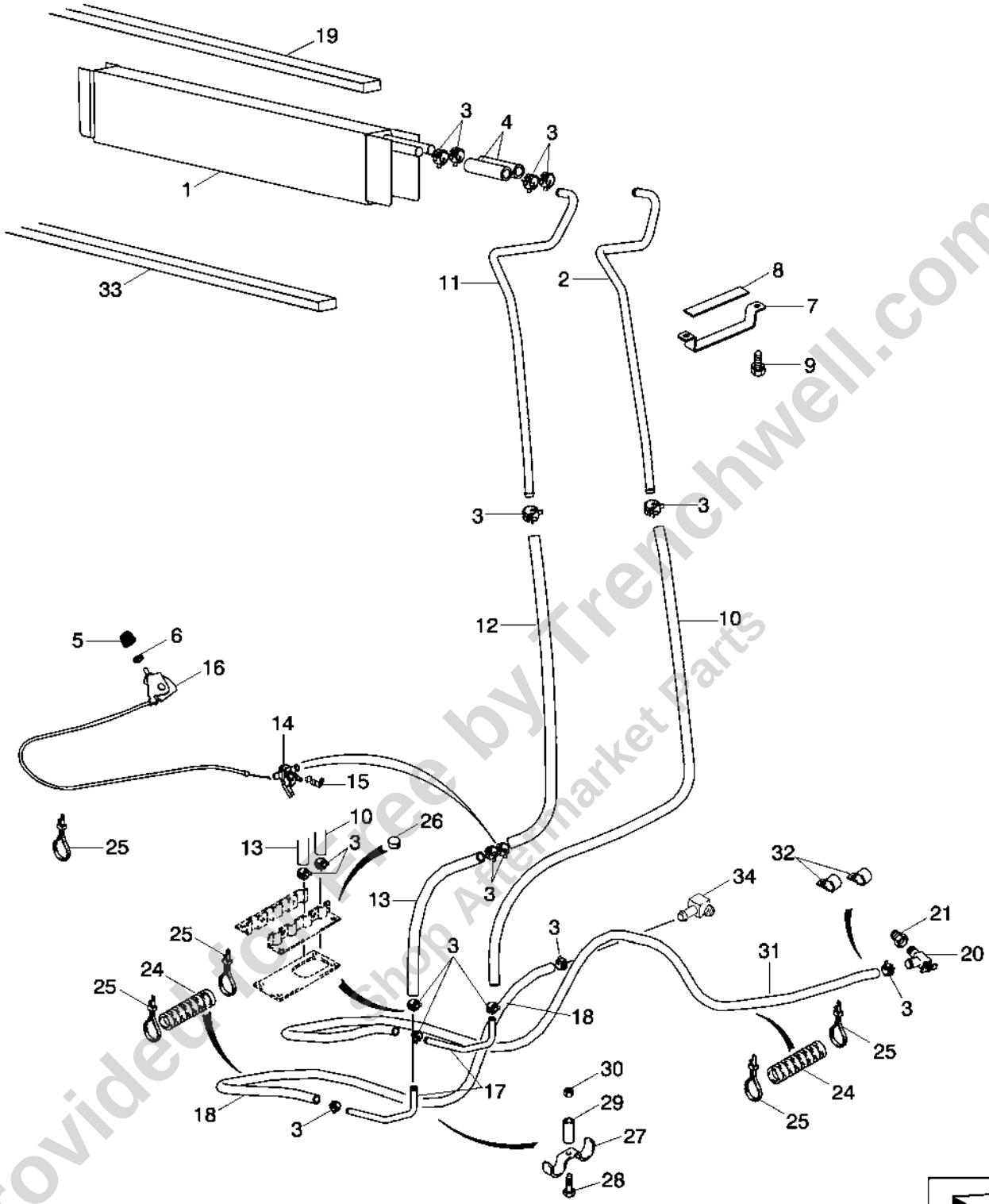
CAB - HEATER



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CAB - HEATER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		360262A2		1	CORE, Mounts In Blower Housing Box; Seal Mounts On Top Of Core On Models With Heat Only
2		400282A1		1	HEATER TUBE, Front
3		1954736C1		14	HOSE CLAMP, #24
4		377222A1		2	HEATER HOSE, 100 mm; Cut from 97252CX
5		400379A1		1	KNOB, 23 mm
6		A42561		1	NUT
7		388762A1		1	BRACKET
8		389402A1		1	SEAL
9		281-14520		2	SELF-TAP SCREW, Hex Wash Hd, #10 x 1/4"
10		368801A2		1	HEATER HOSE, 1361 mm; Cut from 97252CX
11		400280A1		1	HEATER TUBE, Rear
12		448428A1		1	HEATER HOSE, 1175 mm (46-1/4 in); Heater Valve To Core; Cut From 97252CX
13		448429A1		1	HEATER HOSE, 150 mm (5-29/32 in) Floor To Valve; Cut From 97252CX
14		1331087C1		1	VALVE SECTION, Heater
15		1954626C1		1	CLAMP
16		1999666C1		1	CONTROL, Heater; Includes 1999667C1, 1999668C1
		1999667C1		1	CONTROL
		1999668C1		1	CABLE
17		190675A1		2	TUBE, 15.88 mm OD, 295 mm Length
18		377232A2		1	HEATER HOSE, 2650 mm (104-21/64"); Heater; Return to Water Pump; Cut from 97252CX
19		406287A1		1	SEAL, 19 x 19 x 736 mm; Location Of Seal On Models With Heat Only; On Models With Air Conditioning, Seal Is Located On Evaporator Core
20		87686604		1	SHUT-OFF VALVE
21		221-89		1	REDUCER, Hex, 1/2" x 3/8" NPT
24		D132982		7	PADDLE, Sleeve, 400 mm (15-3/4 in)
25		L18337		6	CABLE STRAP, 9.95"-12.1" lg
26		353-410		2	PLUG, Dome, .875" hole, Nylon, Models with Heat Only
27		D143427		1	CLAMP
28		614-8030		1	BOLT, Hex, M8 x 30, 8.8

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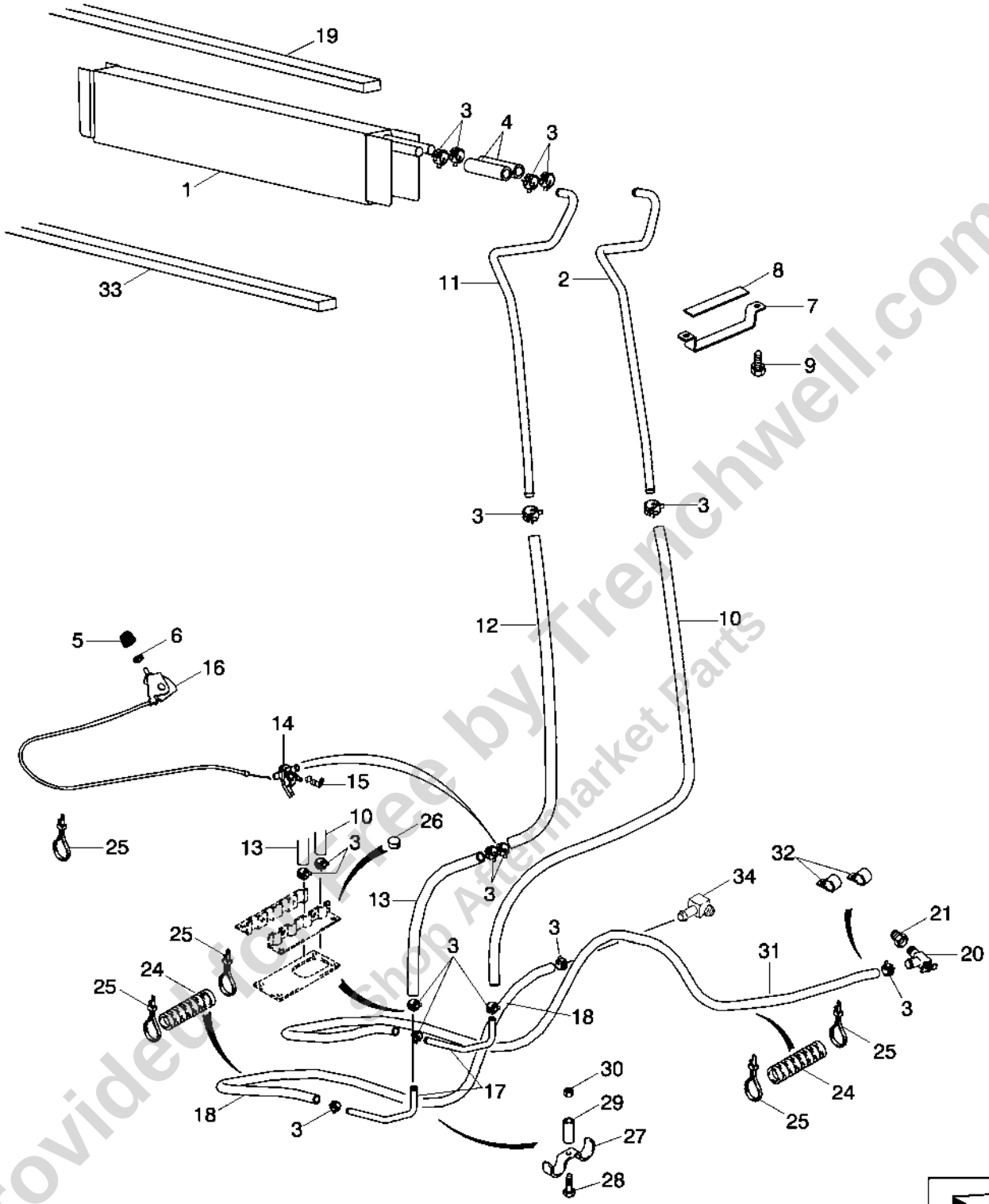
CAB - HEATER



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CAB - HEATER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
29		D143417		1	SPACER
30		825-2408		1	NUT, M8 x 1.25, Flg, Cl 8
31		377233A2		1	HEATER HOSE, 1830 mm (72-3/64"); Heater; Inlet from Engine; Cut from 97252CX
32		D88052		2	CLAMP
33		1987096C1		1	PLATE, (Seal), Below Heater Core; Location of Seal on Models with Heat Only; On Models with Air Conditioning, Seal is Located at Rear of Housing
34		217-425		1	FITTING, 45º, 5/8" Hose x 3/4" NPTF Beaded

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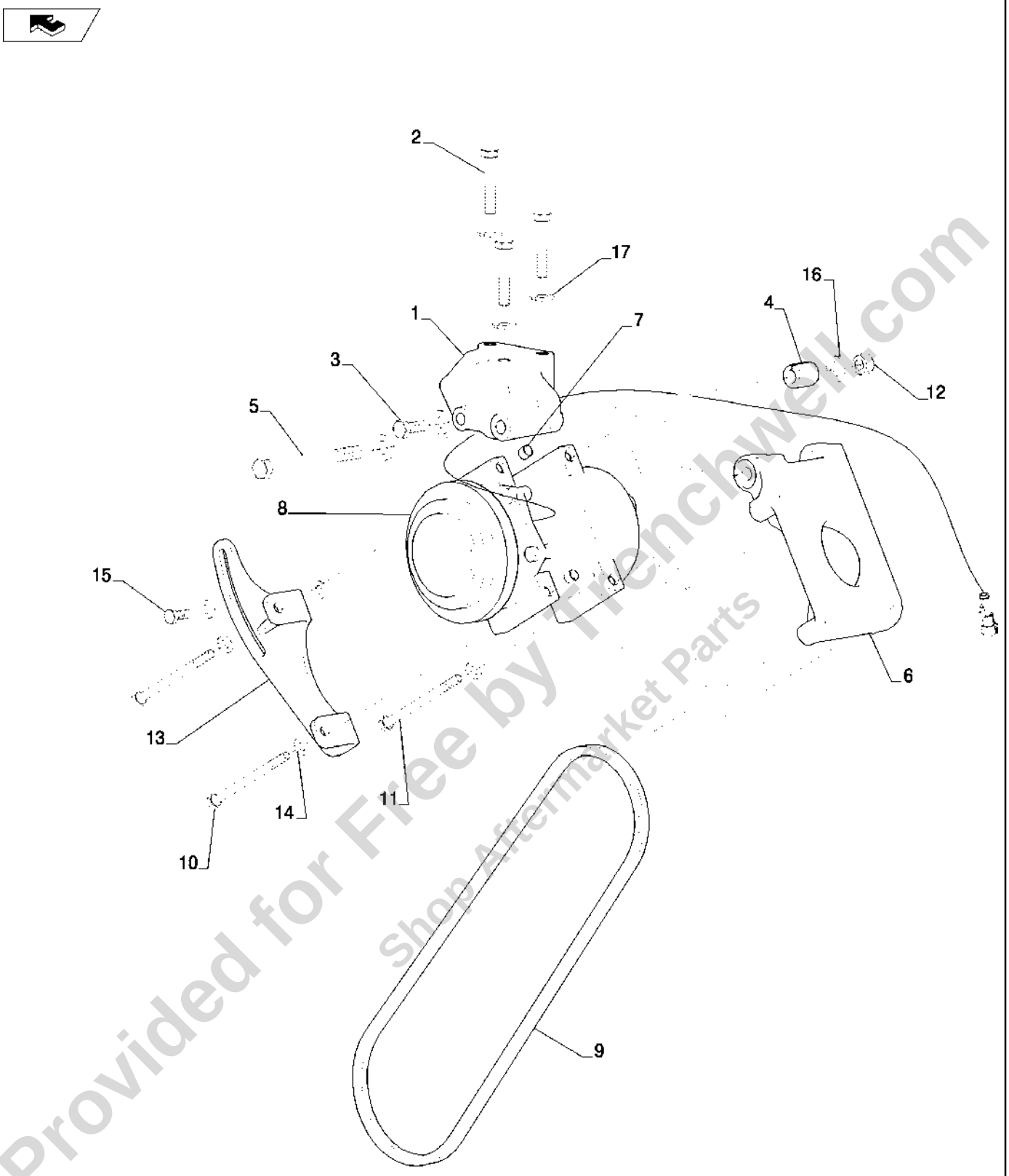
CAB - AIR CONDITIONING, COMPRESSOR (580N)



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CAB - AIR CONDITIONING, COMPRESSOR (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87429950		1	SUPPORT
2		814-10055		3	BOLT, Hex, M10 x 55, 8.8
3		614-10030		1	BOLT, Hex, M10 x 30, 8.8
4		87429951		1	SPACER
5		814-12130		1	BOLT, Hex, M12 x 130, 8.8
6		87429948		1	SUPPORT
7		87429952		2	RING
8		84159489		1	AIRCOND. COMPRESSOR
9		87393292		1	V-BELT, 13.50 mm W
10		814-8110		2	BOLT, Hex, M8 x 110, 8.8
11		814-8100		2	BOLT, Hex, M8 x 100, 8.8
12		829-1412		1	NUT, M12, Cl 10
13		87429949		1	BRACKET, SUPPORTING
14		87655042		6	SPECIAL WASHER
15		614-8020		1	BOLT, Hex, M8 x 20, 8.8
16		87655043		2	SPECIAL WASHER
17		87655046		4	SPECIAL WASHER

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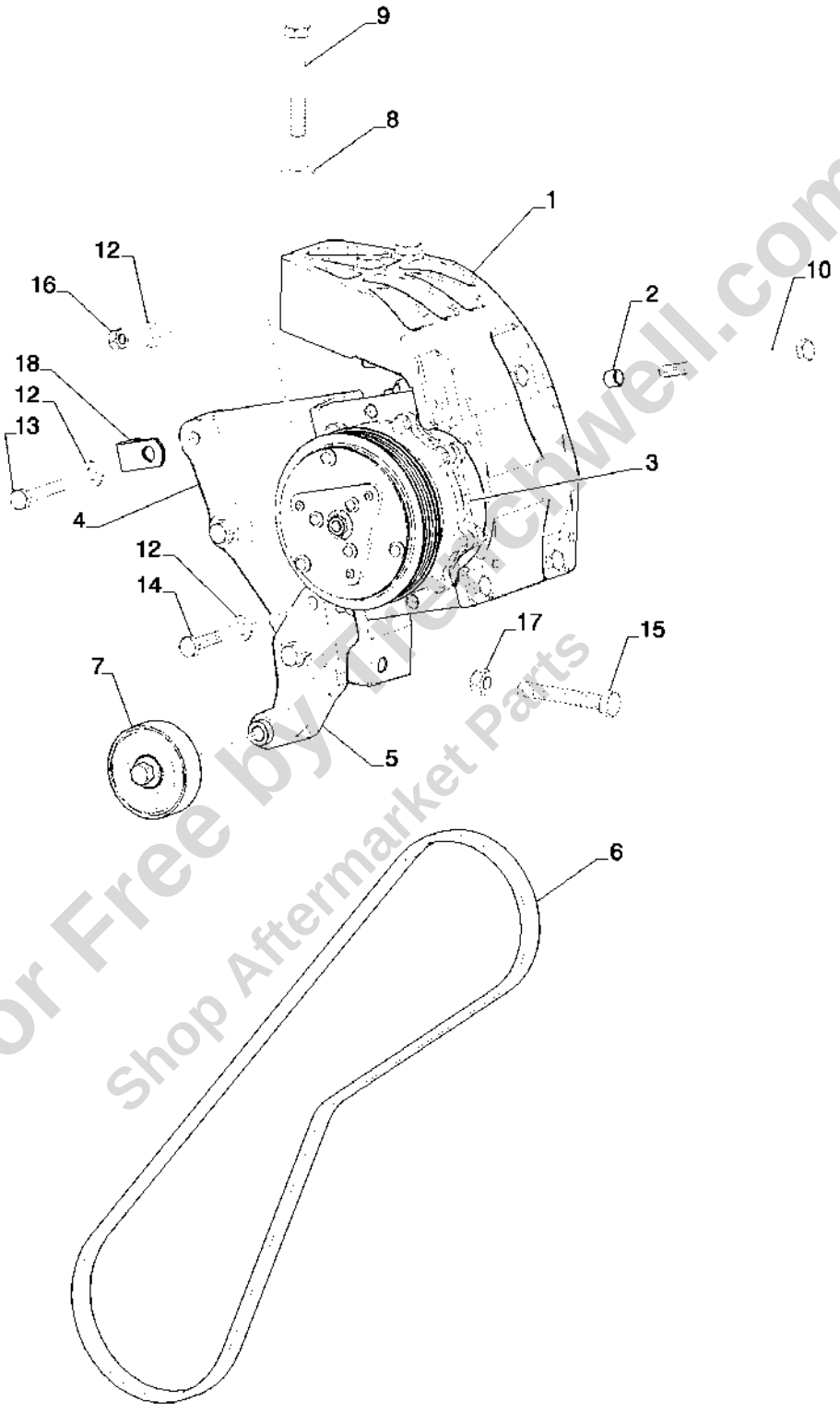
CAB - AIR CONDITIONING, COMPRESSOR (580SN, 580SN WT, 590SN)



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CAB - AIR CONDITIONING, COMPRESSOR (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87551296		1	BRACKET
2		87429952		2	RING
3		84159488		1	AIRCOND. COMPRESSOR
4		87551297		1	SUPPORT
5		87551299		1	SUPPORT
6		87548076		1	BELT, 0.55" W x 47.95" L, 4 Ribs
7		87548073		1	IDLER
8		87655046		3	SPECIAL WASHER
9		814-10070		3	BOLT, Hex, M10 x 70, 8.8
10		814-8120		2	BOLT, Hex, M8 x 120, 8.8
11		814-8110		2	BOLT, Hex, M8 x 110, 8.8
12		87655042		8	SPECIAL WASHER
13		814-8050		2	BOLT, Hex, M8 x 50, 8.8
14		814-8035		2	BOLT, Hex, M8 x 35, 8.8
15		614-10070		1	BOLT, Hex, M10 x 70, 8.8, Full Thd
16		829-1408		4	NUT, M8, Cl 10
17		829-1410		1	NUT, M10, Cl 10
18		515-23143		1	CLAMP, 9/16", Insul, 3/8" Bolt

580SN WT 590SN
580SN

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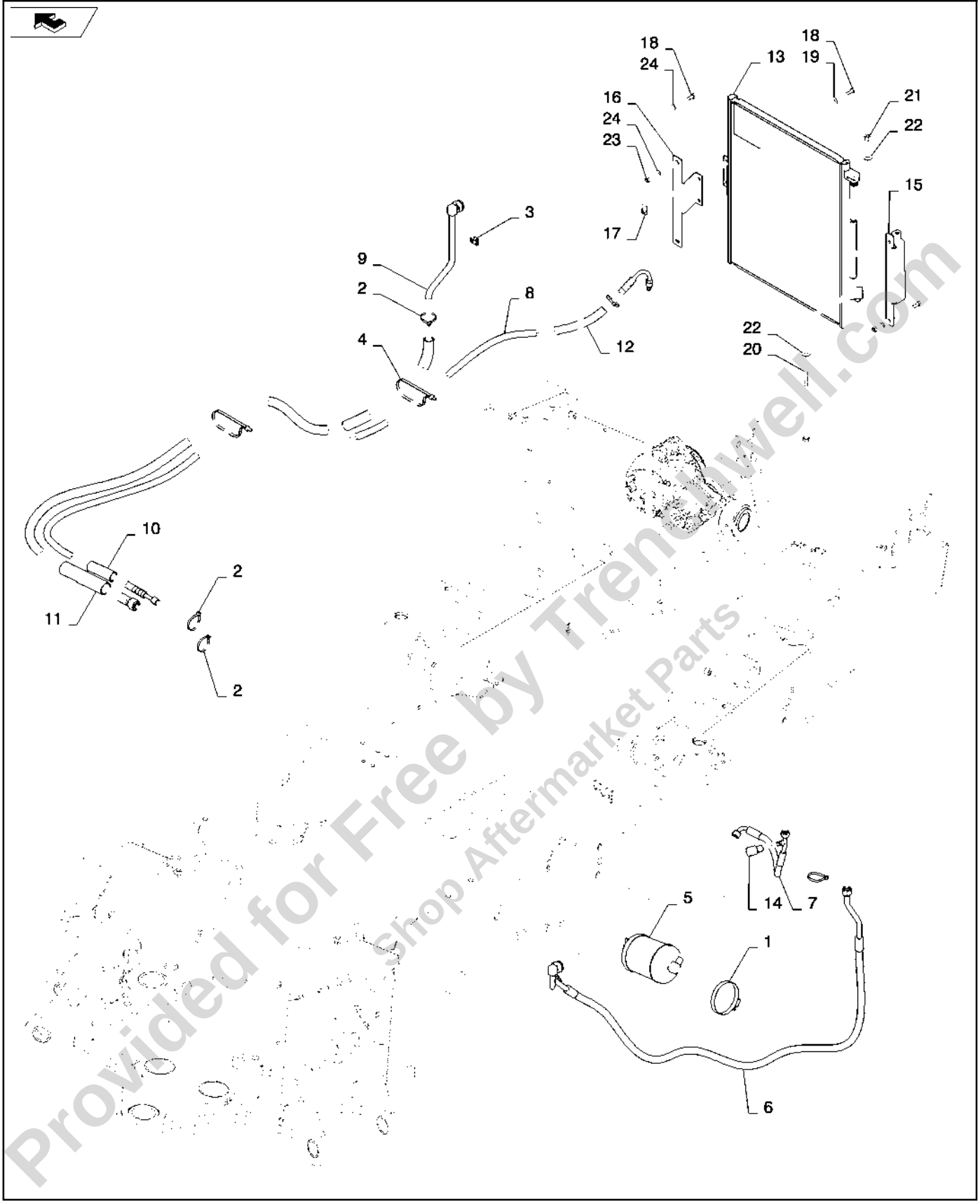
CAB - AIR CONDITIONING, CONDENSER AND RECEIVER DRYER (580N)



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CAB - AIR CONDITIONING, CONDENSER AND RECEIVER DRYER (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		214-1464		2	HOSE CLAMP, #64, 3.56/4.50 Type F Worm
2		232948A1		7	A/C HIGH PRESSURE SWITCH
3		84292413		1	MOUNTING CLIP
4		L18331		2	CABLE STRAP
5		86984155		1	RECEIVER-DRYER
6		87590156		1	A/C HOSE, Compressor to Condenser
7		87630218		1	A/C HOSE, Condenser to Dryer
8		87630219		1	A/C HOSE, Dryer to Cab
9		87630220		1	HOSE ASSY., Cab to Compressor
10		87726950		1	HOSE PROTECTION
11		87726951		1	HOSE PROTECTION
12		191703A1		1	HOSE PROTECTION
13		87546291		1	CONDENSER
14		232948A1		1	A/C HIGH PRESSURE SWITCH
15		87589025		1	BRACKET, SUPPORTING, L.H. Condenser Support
16		87598501		1	PIVOT BRACKET, Condenser
17		833-40408		2	NUT, M8, U
18		614-8020		6	BOLT, Hex, M8 x 20, 8.8
19		895-15008		2	WASHER, M8 x 20 x 1.6
20		814-10220		1	BOLT, Hex, M10 x 220, 8.8
21		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
22		895-15010		2	WASHER, M11 x 24 x 2
23		829-1408		4	NUT, M8, Cl 10
24		895-11008		6	WASHER, M8 x 16 x 1.6

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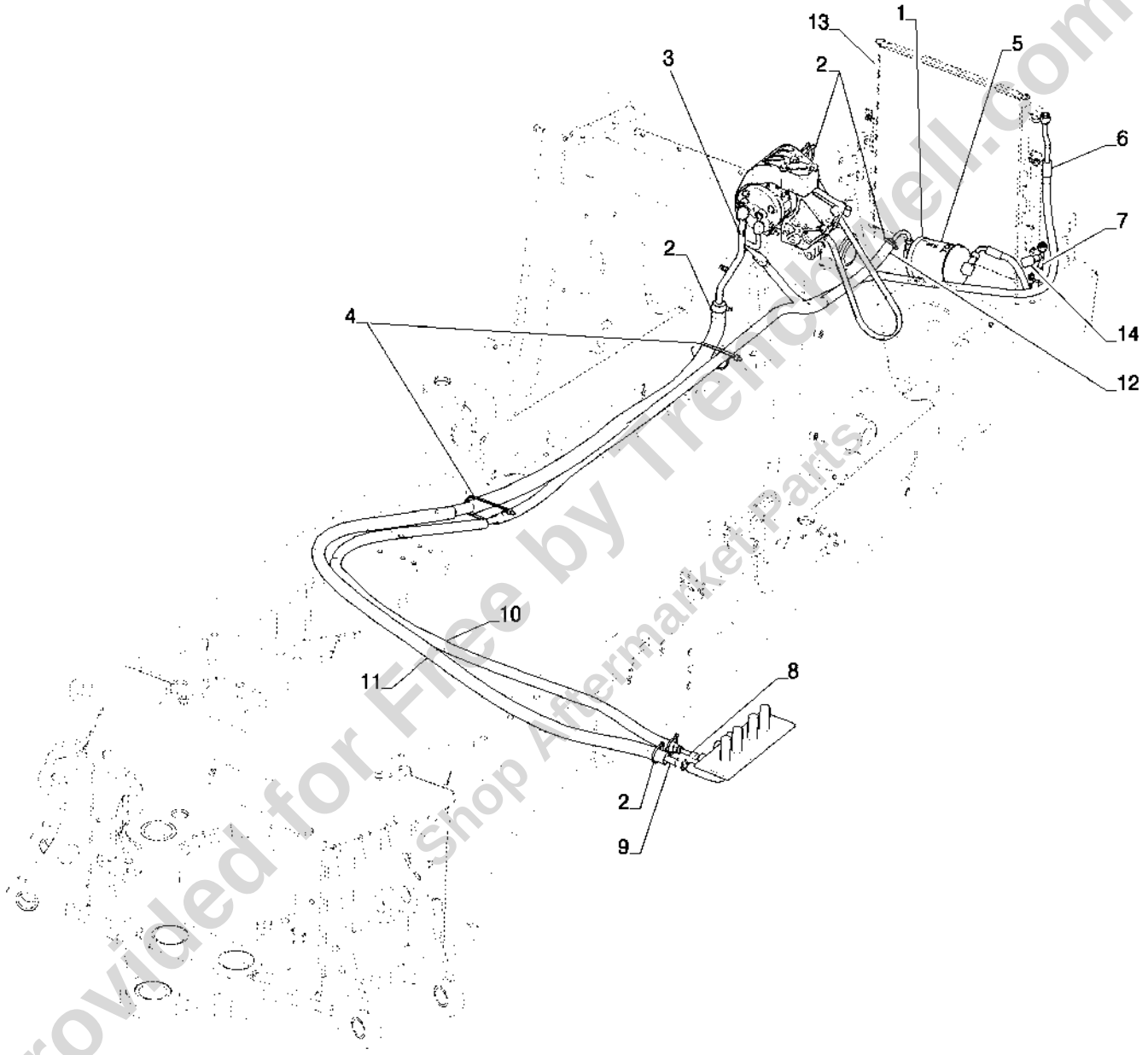
50.200.17	02	p1	03/12

CAB - AIR CONDITIONING, CONDENSER AND RECEIVER DRYER (580SN, 580SN WT, 590SN)



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CAB - AIR CONDITIONING, CONDENSER AND RECEIVER DRYER (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		214-1464		2	HOSE CLAMP, #64, 3.56/4.50 Type F Worm
2		232948A1		7	A/C HIGH PRESSURE SWITCH
3		84292413		1	MOUNTING CLIP
4		L18331		2	CABLE STRAP
5		86984155		1	RECEIVER-DRYER
6		87590156		1	A/C HOSE, Compressor to Condenser; Incl. Ref 27, 28, 30, 32
7		87630218		1	A/C HOSE, Condenser to Dryer; Incl. Ref 26, 30
8		87630219		1	A/C HOSE, Dryer to Cab; Incl. Ref 25
9		87630220		1	HOSE ASSY., Cab to Compressor; Incl. Ref 29, 30, 31
10		87726950		1	HOSE PROTECTION
11		87726951		1	HOSE PROTECTION
12		191703A1		1	HOSE PROTECTION
13		87546291		1	CONDENSER
14		232948A1		1	A/C HIGH PRESSURE SWITCH
15		87589025		1	BRACKET, SUPPORTING, L.H. Condenser Support
16		87598501		1	PIVOT BRACKET, Condenser
17		833-40408		2	NUT, M8, U
18		614-8020		6	BOLT, Hex, M8 x 20, 8.8
19		895-15008		2	WASHER, M8 x 20 x 1.6
20		814-10220		1	BOLT, Hex, M10 x 220, 8.8
21		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8
22		895-15010		2	WASHER, M11 x 24 x 2
23		829-1408		4	NUT, M8, Cl 10
24		895-11008		6	WASHER, M8 x 16 x 1.6
25		128483A1		2	O-RING, 7.65mm ID x 1.78mm Width
26		128483A1		3	O-RING, 7.65mm ID x 1.78mm Width
27		128484A1		1	O-RING, 10.82mm ID x 1.78mm Width, Condenser End
28		128485A1		1	O-RING, 14mm ID x 1.78mm Width, Compressor End
29		128485A1		2	O-RING, 14mm ID x 1.78mm Width
30		1250594C2		1	CORE, Valve
31		122553A1		1	CAP, Service Port
32		122554A1		1	CAP, Service Port

580SN WT 580SN
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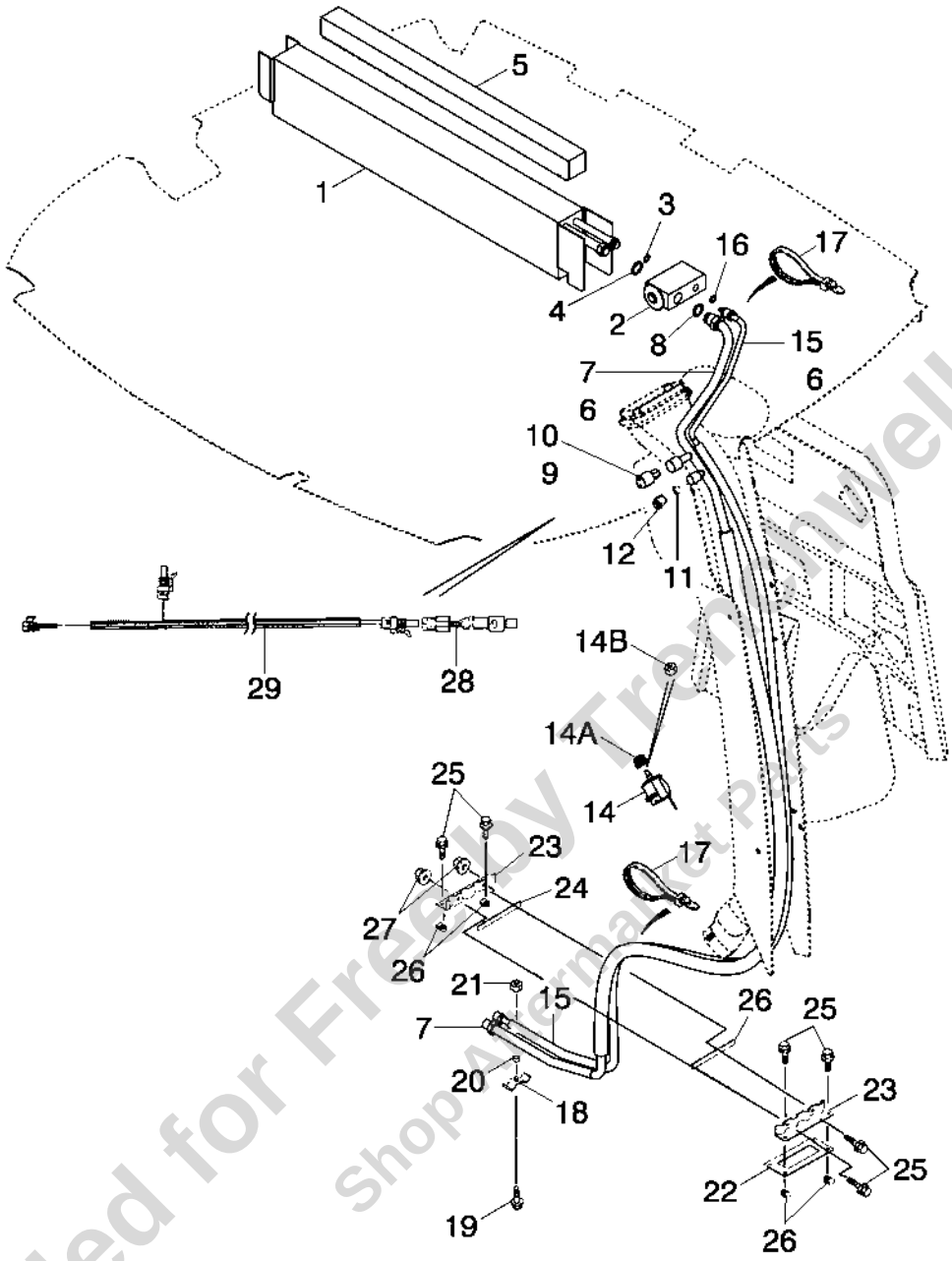
CAB - AIR CONDITIONING LINES, EVAPORATOR CORE



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CAB - AIR CONDITIONING LINES, EVAPORATOR CORE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		363832A5		1	EVAPORATOR, Incl. Ref 1 - 4; Not Available as An Assembly; Order Components
1		360263A4		1	EVAPORATOR, Core
2		386535A1		1	VALVE
3		128484A1		1	O-RING, 10.82mm ID x 1.78mm Width, 7/16 ID x 1/16
4		128485A1		1	O-RING, 14mm ID x 1.78mm Width, 9/16 ID x 1/16
		83822C1		3	TAPE, Insulation; 63,5 (2-1/2 in) x 610 mm (24-1/64 in)
5		406287A1		1	SEAL, 19 x 19 x 736 mm; Adhesive Back; Models With Heat and Air, Locate Seal On Top Of Core
		345-621		2	TAPE, 2 x 6 in
7		360257A1		1	A/C HOSE, Suction; Incl. Ref 8 - 12
8		128485A1		1	O-RING, 14mm ID x 1.78mm Width, 9/16 ID x 1/16
9		128483A1		1	O-RING, 7.65mm ID x 1.78mm Width, 5/16 ID x 1/16; Valve Core
10		1250594C1		1	CORE, Low Pressure Switch
11		1250594C1		1	CORE, Low Side Service Port
12		122553A1		1	CAP
14		370381A1		1	SWITCH, A/C Thermostat; Temperature Control; Air Conditioning
14A		400379A1		1	KNOB, 23 mm
14B		A42561		1	NUT, 7/16
15		360256A1		1	A/C HOSE, Pressure; Incl. Ref 16
16		128483A1		1	O-RING, 7.65mm ID x 1.78mm Width, 5/16 ID x 1/16
17		L18337		4	CABLE STRAP, 9.95"-12.1" lg
18		D143427		1	CLAMP
19		614-8030		1	BOLT, Hex, M8 x 30, 8.8
20		D143417		1	SPACER
21		825-2408		1	NUT, M8 x 1.25, Flg, Cl 8
22		124011A1		1	GASKET
23		123980A1		2	SHIN, CLAMP, Heater and Air Conditioning Hoses
24		181979A1		2	SEALING STRIP
25		845-6020		6	BOLT, Hex Flg, M6 x 20, 8.8, Full Thd
26		833-40406		4	NUT, M6, U
27		825-2406		2	NUT, M6 x 1, Flg, Cl 8

580N 580SN WT
590SN 580SN

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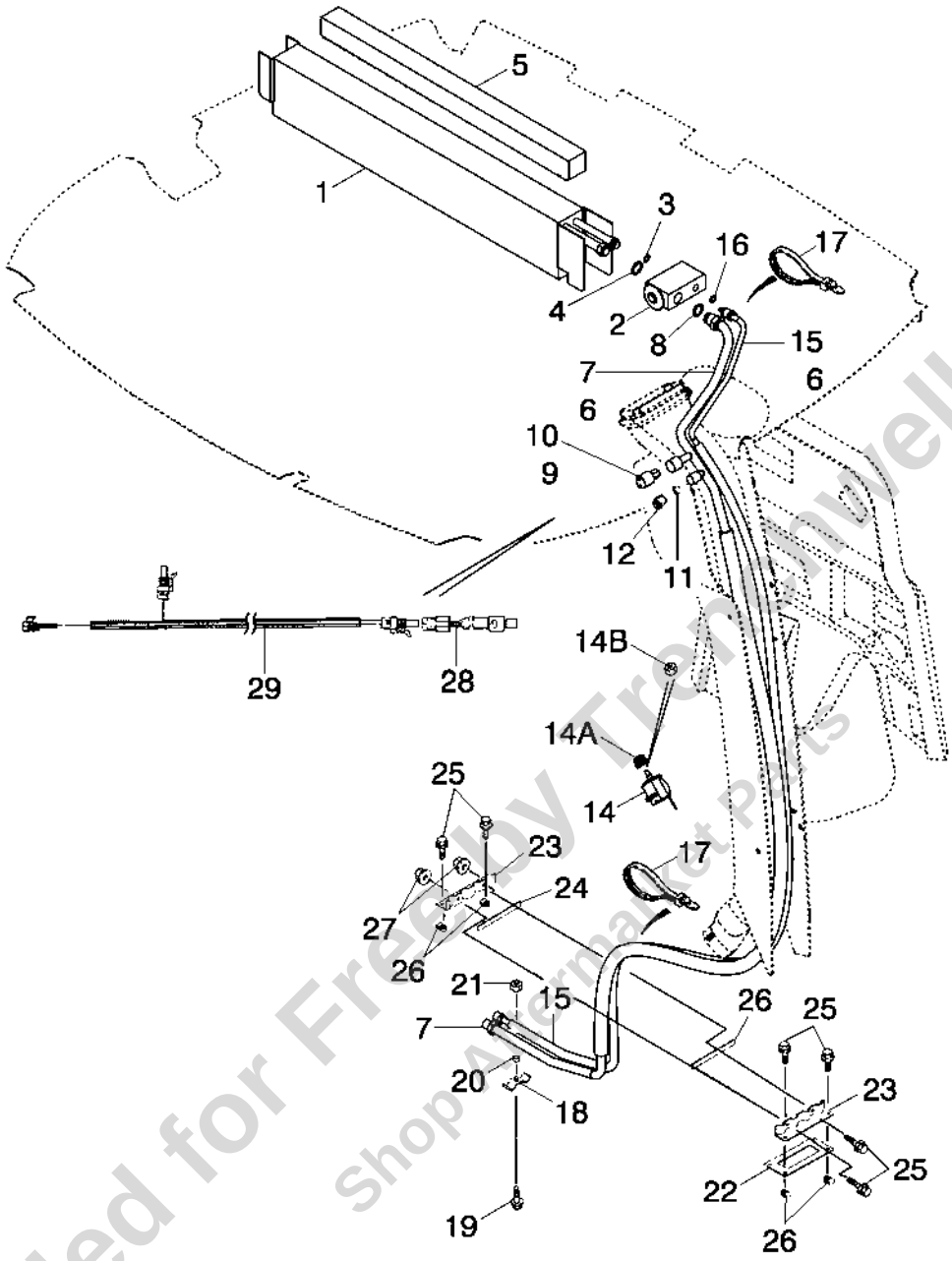
CAB - AIR CONDITIONING LINES, EVAPORATOR CORE



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CAB - AIR CONDITIONING LINES, EVAPORATOR CORE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
28		87000228		1	A/C LOW PRESSURE SWITCH, Blue Wire
29		87538167		1	WIRE HARNESS, Service; A/C Low Pressure Switch; Connects to A/C Compressor and A/C Relay
30		401949A1		5	FASTENER, Xmas Tree Clips; B Post Cover; Not Illustrated
31		L11541		10	CABLE STRAP, Tie; Not Illustrated

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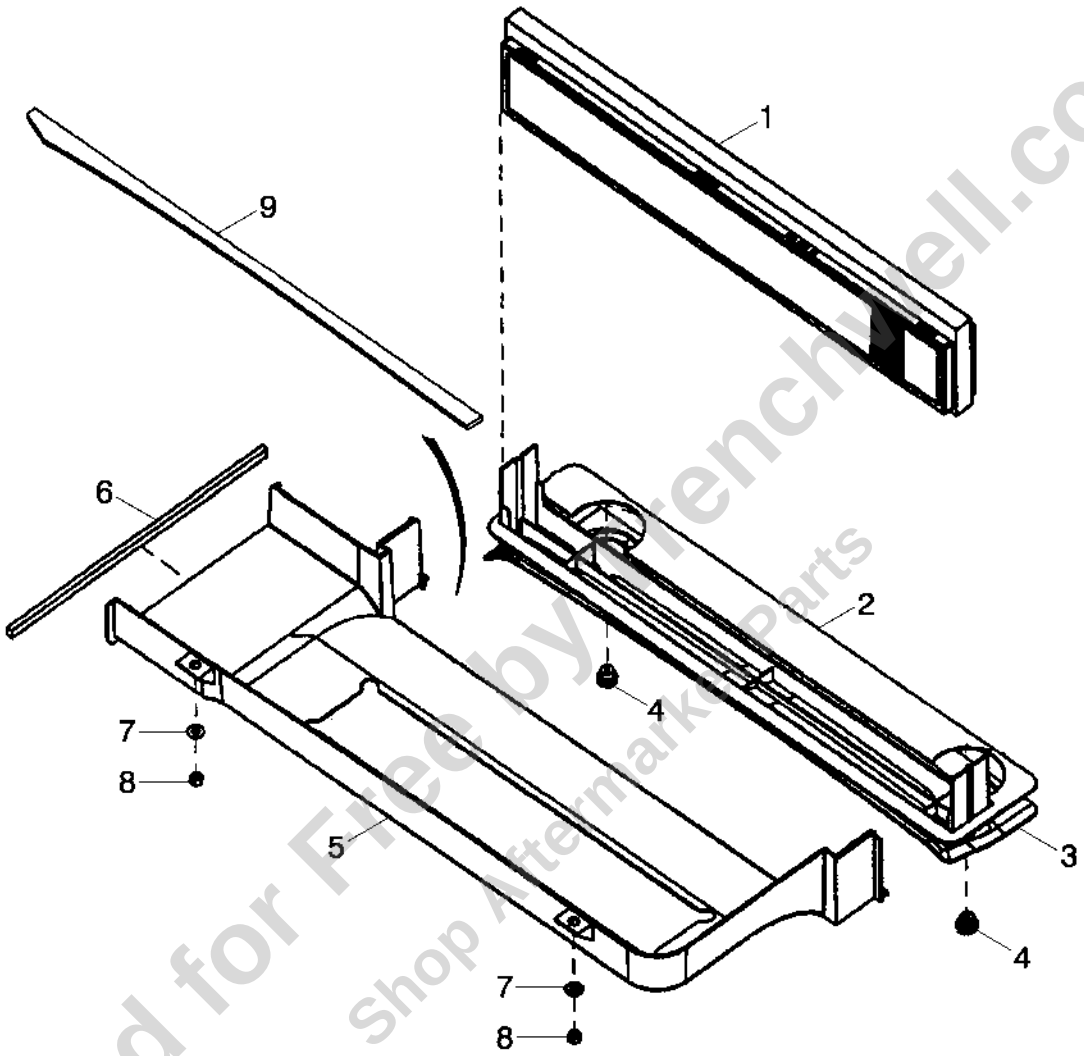
CAB - FILTER, AIR



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CAB - FILTER, AIR

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		360260A2		1	CAB FILTER, Incl. Foam Seal
2		382770A2		1	SEAL
3		360261A1		1	TRAY
4		398738A1		2	KNOB, Fresh Air Duct Retainer
5		360252A2		1	DUCT, Fresh Air Intake
6		368990A1		1	SEAL
7		895-15008		2	WASHER, M8 x 20 x 1.6
8		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
9		403271A1		1	SEAL, 882 mm; Adhesive Back

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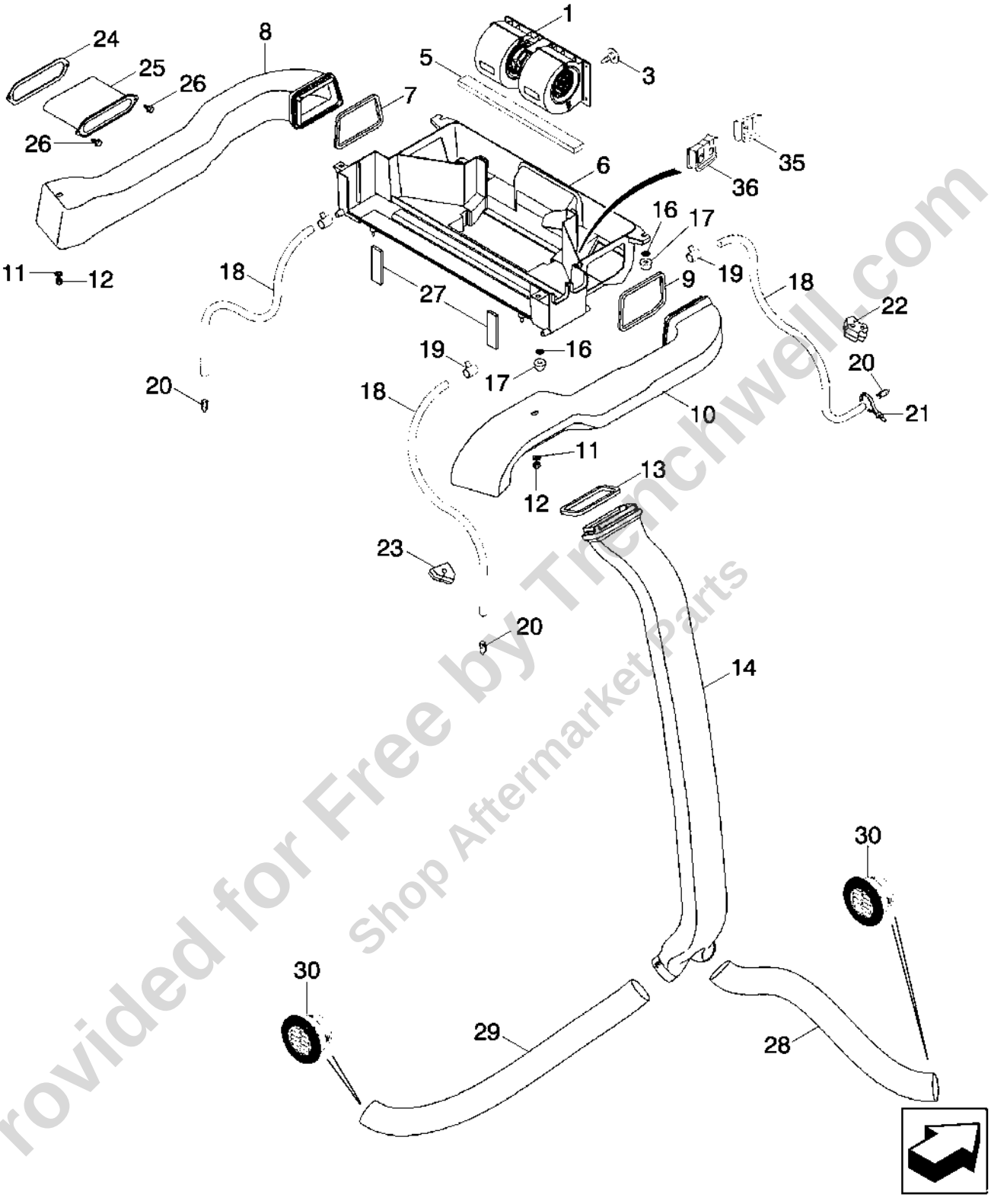
CAB - BLOWER HOUSING, VENTILATION DUCTS, DRAIN LINES



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CAB - BLOWER HOUSING, VENTILATION DUCTS, DRAIN LINES

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		377220A2		1	BLOWER ASSY., Component Parts Not Serviced Separately; Kysor/Westran Brand; If Used; For Blower Switch
		359504A1		1	RESISTOR, Blower Motor, Consists Of A Multi-Tapped Ceramic Resistor And A Thermal Fuse (kysor number 222979)
1		377241A2		1	BLOWER ASSY., Component Parts Not Serviced Separately; Aurora Brand; If Used; For Blower Switch
3		182697A1		1	FASTENER
5		181981A1		1	SEALING STRIP, 6 x 20 x 355 mm; Adhesive Back; Under Blower
6		360251A3		1	HOUSING, Heat & Air; Inc 6A
6A		373995A1		2	INSERT
7		368805A1		1	SEAL, Left-Hand Duct
8		360253A3		1	AIR DUCT, LH
9		369249A1		1	SEAL, Right-Hand Duct
10		360254A3		1	AIR DUCT, RH
11		895-15010		2	WASHER, M11 x 24 x 2
12		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
13		368807A1		1	SEAL
14		360255A1		1	DUCT
16		895-15008		4	WASHER, M8 x 20 x 1.6
17		832-10408		4	LOCK NUT, M8 x 1.25, Cl 8
18		87615800		4	HOSE, 16.88 mm ID x 549.00 mm, ; Drain
19		214-1406		4	HOSE CLAMP, #06, .44/.78 Type F Worm
20		365789A1		4	DRAIN VALVE, Drain
21		L18337		2	CABLE STRAP, 9.95"-12.1" lg
22		383794A2		2	PLUG, If Used
23		383795A2		2	PLUG, If Used
23		395470A1		2	PLUG, If Used
24		381113A2		1	SEAL
25		381111A2		1	SLEEVE
26		281-18712		2	SELF-TAP SCREW, Hex Wash Hd, 1/4" x 3/4"
27		377230A3		2	SEAL, 16 mm thk; Fresh Air Duct To Ventilation Housing

580N 580SN WT
590SN 580SN

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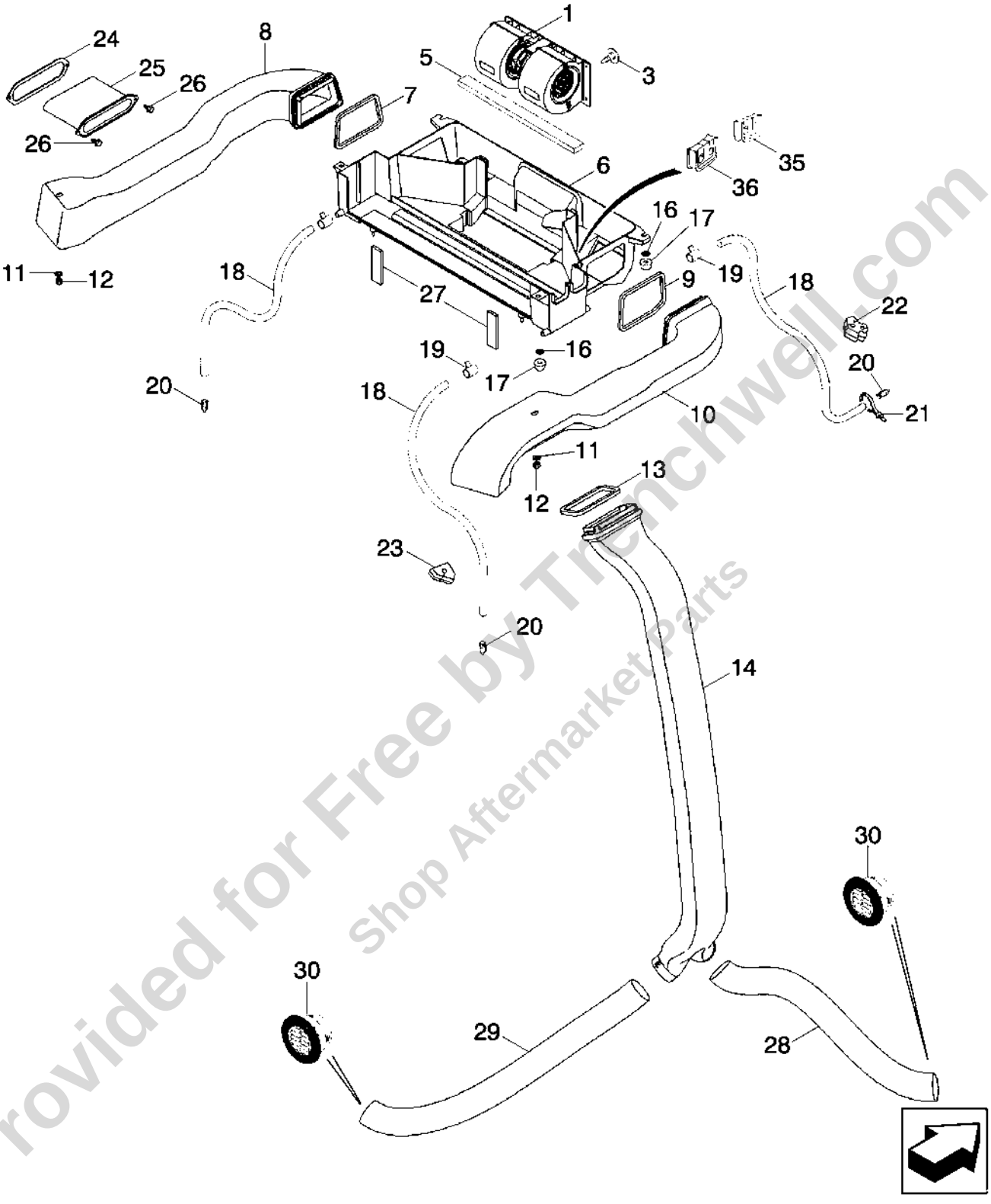
CAB - BLOWER HOUSING, VENTILATION DUCTS, DRAIN LINES



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CAB - BLOWER HOUSING, VENTILATION DUCTS, DRAIN LINES

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
28		375392A1		1	AIR DUCT, 750 mm; Cut from 236559A1
29		368818A1		1	AIR DUCT, 1015 mm; Cut from 236559A1
30		398986A1		2	VENT
35		403225A1		1	SEAL, Heater Tubes At Housing
36		403193A1		1	SEAL, Air Conditioning Tubes At Housing

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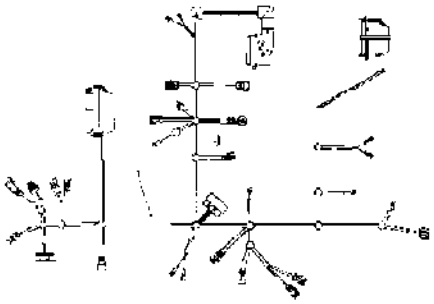
PICTORIAL INDEX - ELECTRICAL SYSTEM



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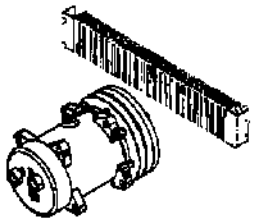

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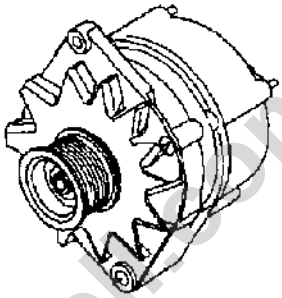

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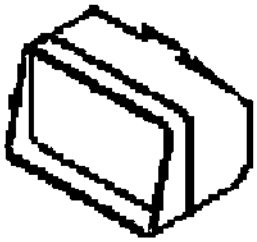
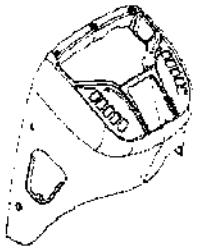


55.404.48

55.408.09



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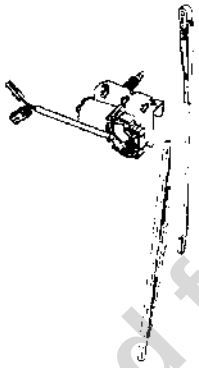

55.518.06

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PICTORIAL INDEX - ELECTRICAL SYSTEM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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HARNESS, INSTALL - CHASSIS

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HARNESS, INSTALL - CHASSIS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84342276		1	HARNESS

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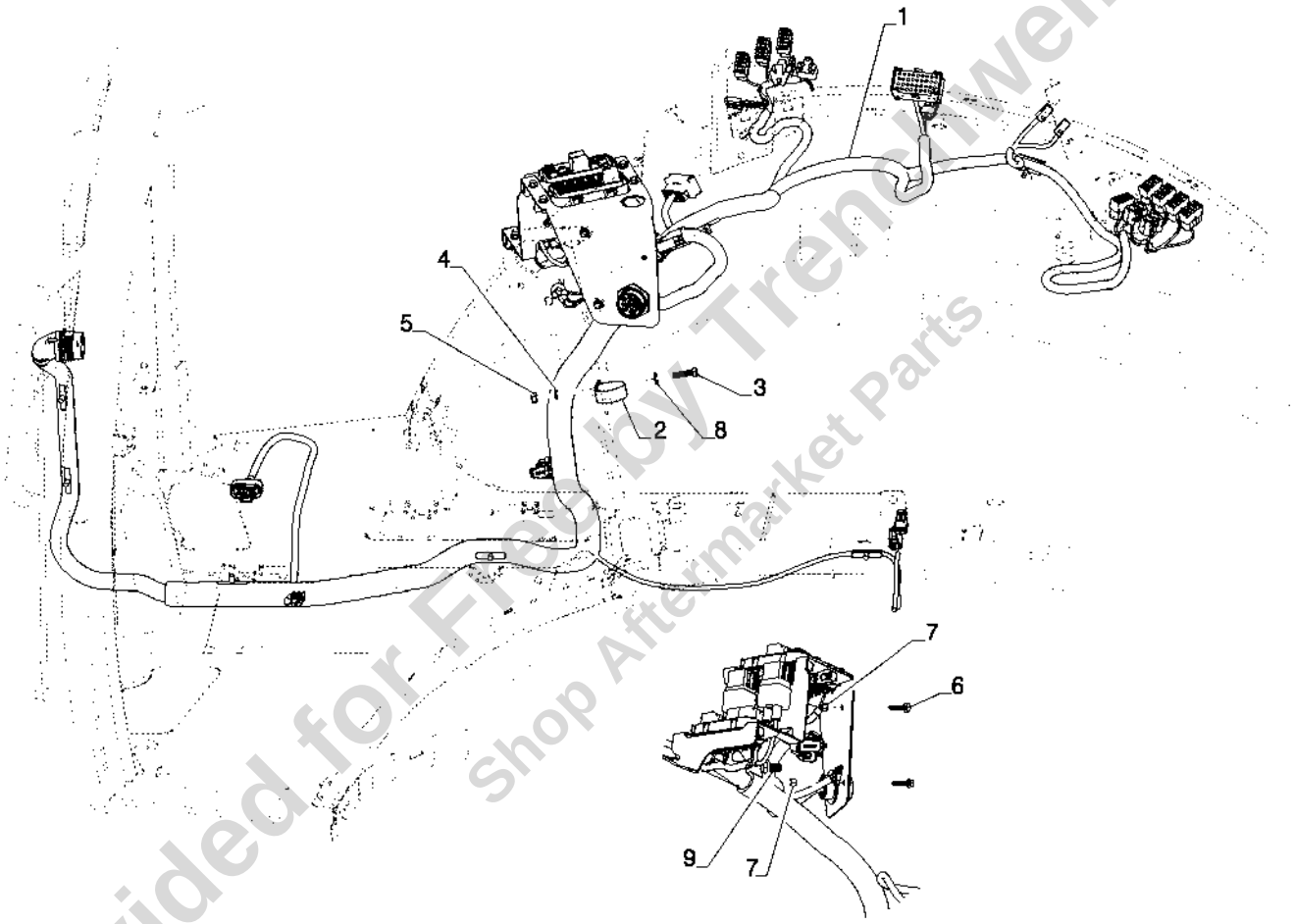
55.100.02	01	p1	02/11

HARNESS, INSTALL - TRANSMISSION



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HARNESS, INSTALL - TRANSMISSION

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84292416		1	HARNESS, Standard (580N)
1		84292424		1	WIRE HARNESS, SPS / PS (580SN, 580SN WT, 590SN)
2		515-23444		1	CLAMP, 1 3/4", Insul, 3/8" Bolt
3		614-8030		1	BOLT, Hex, M8 x 30, 8.8
4		892-11008		1	LOCK WASHER, M8
5		824-1408		1	NUT, M8 x 1.25, Cl 10
6		844-6025		2	BOLT, Hex Flg, M6 x 25, 8.8
7		832-10406		2	NUT, M6 x 1, Cl 8
8		87655042		1	SPECIAL WASHER
9		844-10020		1	BOLT, Hex Flg, M10 x 20, 8.8

580N 580SN WT
590SN 580SN

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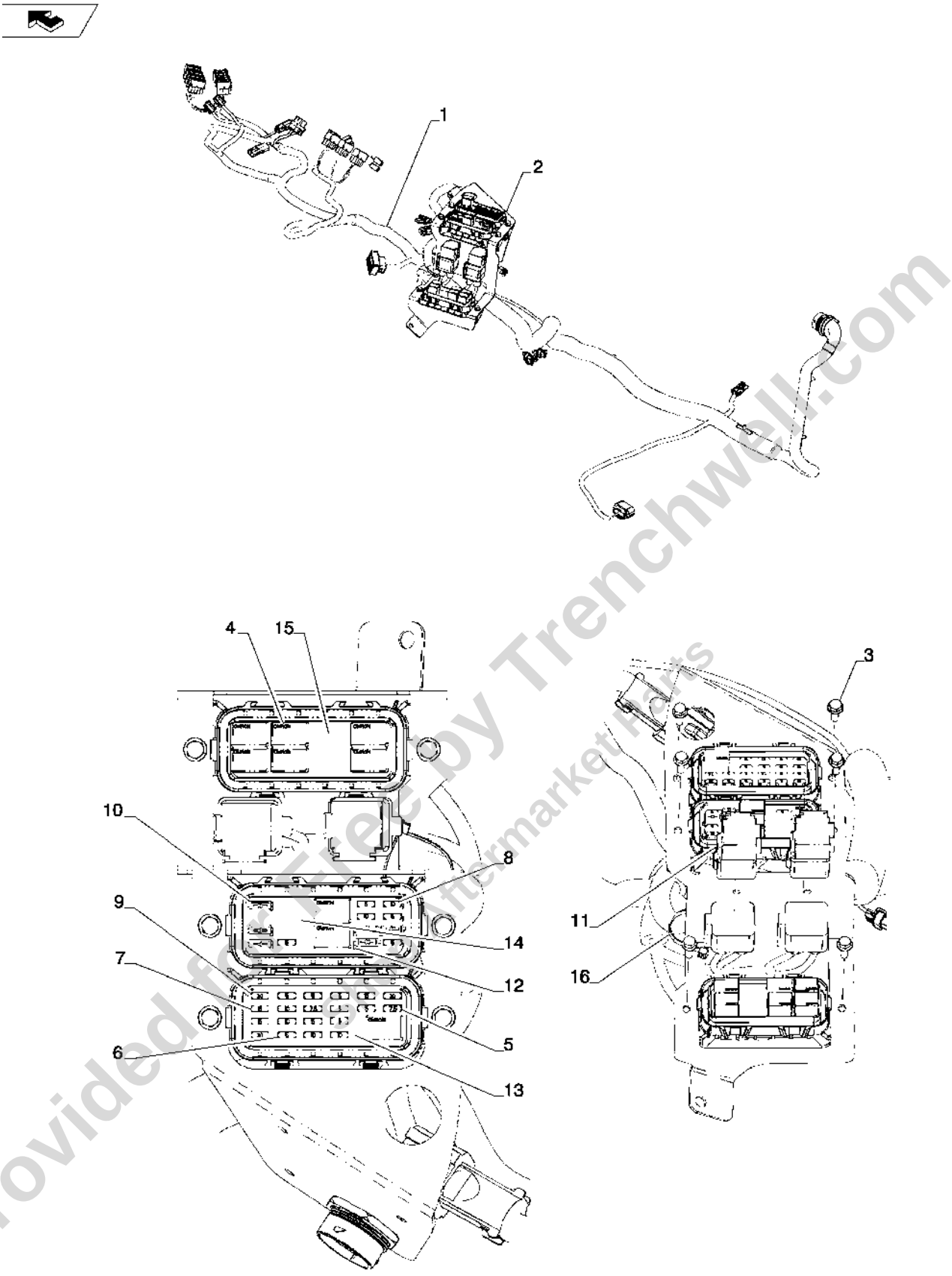
HARNESS - STANDARD TRANSMISSION (580N)



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HARNESS - STANDARD TRANSMISSION (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84292416		1	HARNESS
2		84292270		1	BRACKET
3		845-6020		6	BOLT, Hex Flg, M6 x 20, 8.8, Full Thd
4		87655334		9	RELAY
5		121411A1		2	FUSE, 7.5 Amp, Mini
6		121410A1		12	FUSE, 5 Amp, Mini
7		121413A1		3	FUSE, 15 Amp, Mini
8		121412A1		6	FUSE, 10 Amp, Mini
9		121416A1		3	FUSE, 30 Amp, Mini
10		416569A1		6	DIODE ELEMENT
11		84271717		2	RELAY
12		84292399		6	DIODE
13		84290788		1	DECAL
14		84290786		1	DECAL
15		84290787		1	DECAL
16		L11541		1	CABLE STRAP

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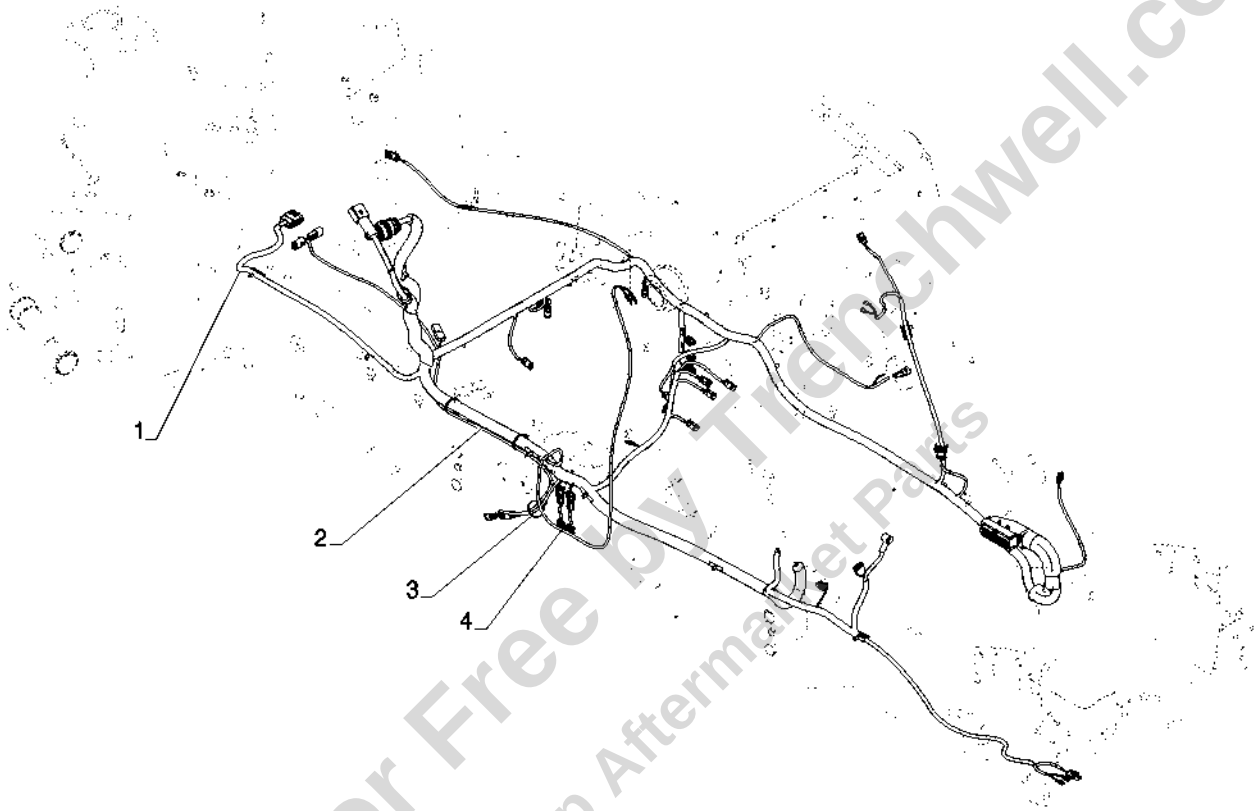
55.100.03		p1	07/11

HARNESS - CHASSIS



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HARNESS - CHASSIS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84342272		1	HARNESS, Chassis, SPS / PWR Transmission, With OPT (580SN, 580SN WT, 590SN
1		84342273		1	HARNESS, Chassis, STD Transmission, HPCR Engine, With OPT (580SN, 580SN WT, 590SN)
1		84342274		1	HARNESS, Chassis, SPS / PWRTransmission With OPT (580N)
1		84342275		1	HARNESS, Chassis, SPS / PWRTransmission, STD (580N)
1		84342276		1	HARNESS, Chassis, STD Transmission, With OPT (580N)
1		84342277		1	HARNESS, Chassis, STD Transmission, STD (580N)
2		84342281		1	HARNESS, RTD Lockout With Power Lift
2		84342282		1	HARNESS, RTD Lockout Without Power Lift
3		L11541		3	CABLE STRAP
4		84386573		2	WIRE HARNESS, Rexroth Jumper

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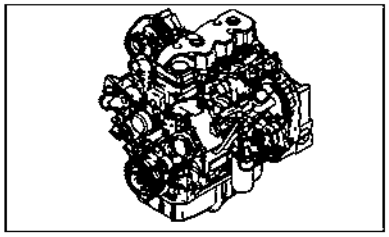
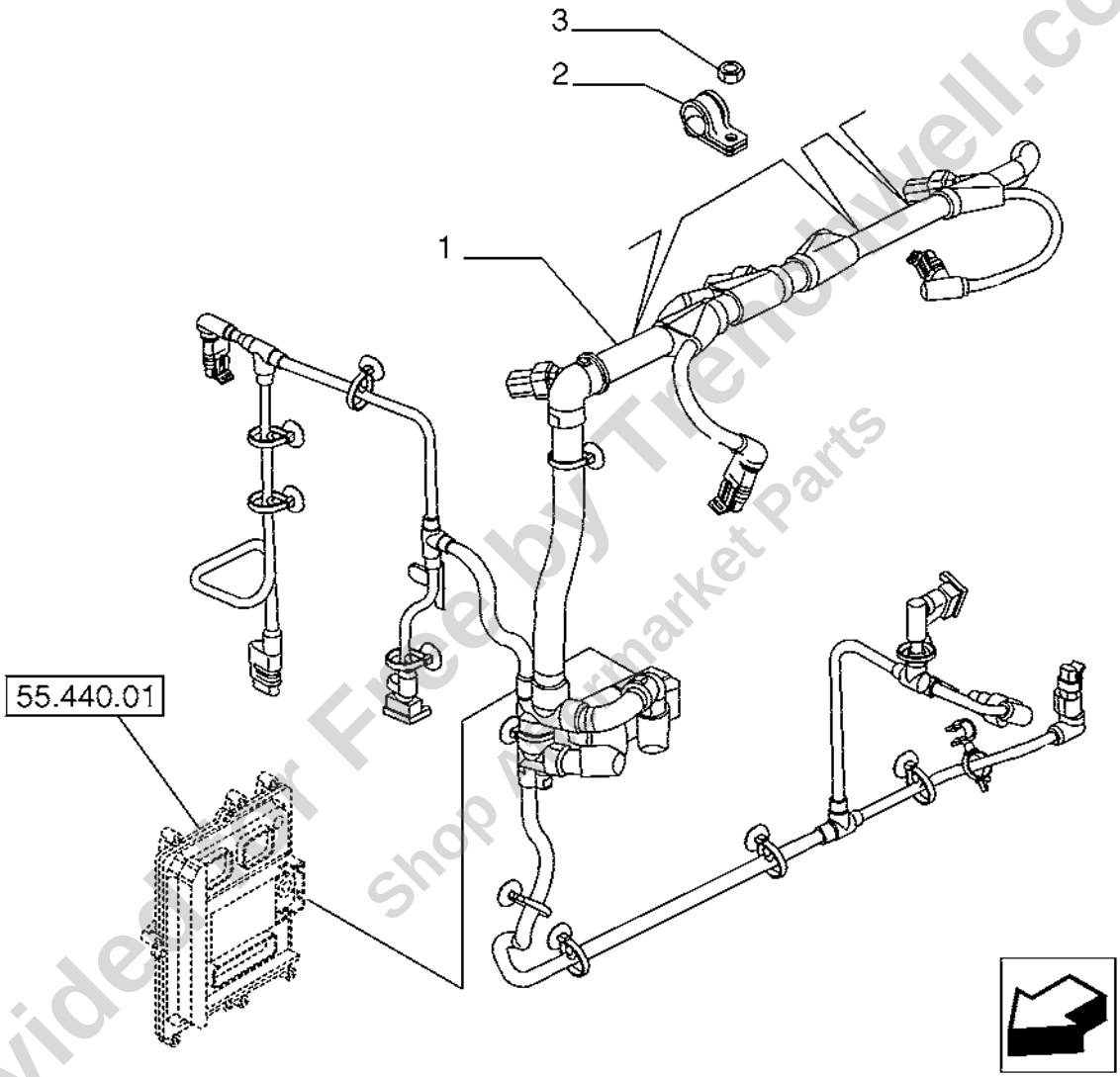
55.100.06		p1	10/10

HARNESS, INSTALL - ENGINE (580SN, 580SN WT, 590SN)





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HARNESS, INSTALL - ENGINE (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2855886		1	WIRE HARNESS
2		4899815		2	CLAMP
2		2852500		1	CLAMP
3		2852484		3	NUT, M6

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580SN WT 590SN
580SN

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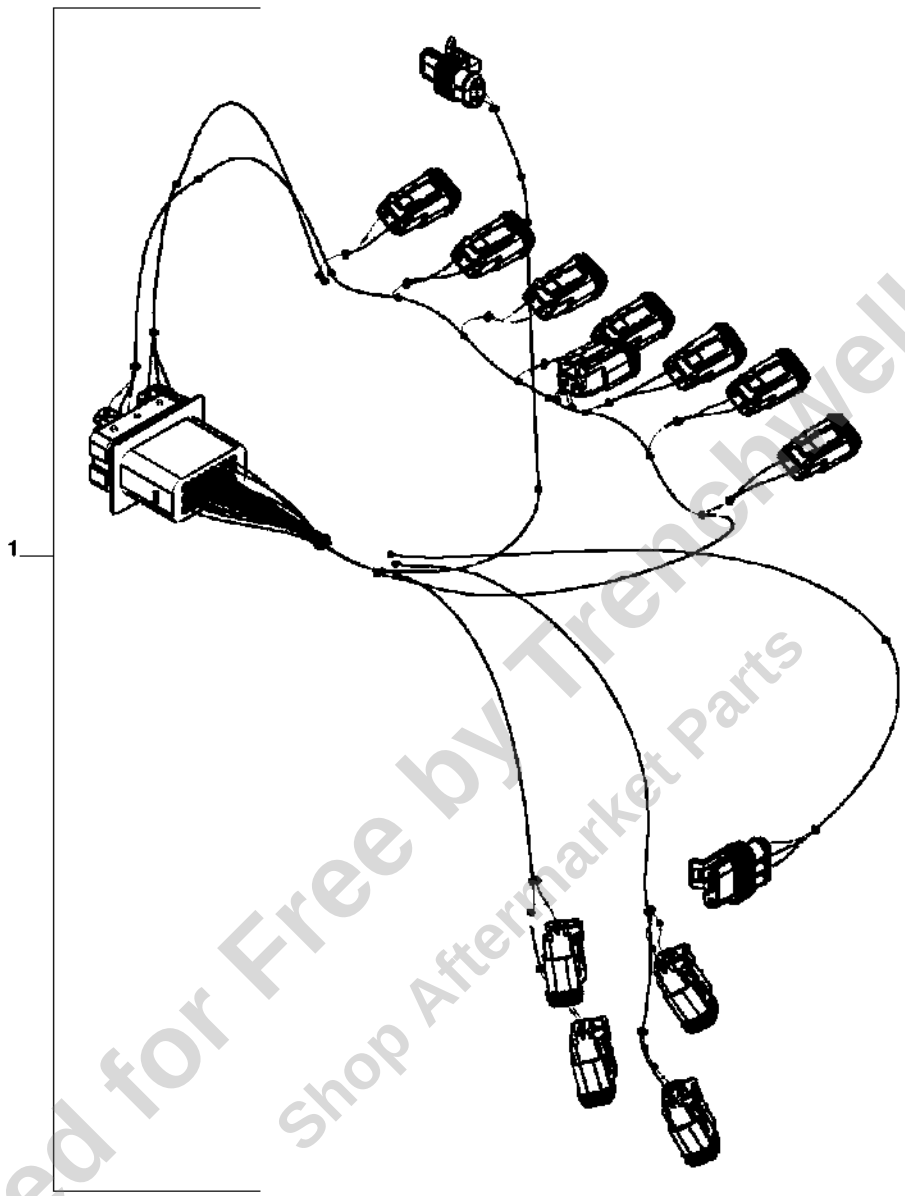
HARNESS, TRANSMISSION 2WD / 4WD POWERSHIFT - CONTROL VALVE



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HARNESS, TRANSMISSION 2WD / 4WD POWERSHIFT - CONTROL VALVE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84336838		1	HARNESS

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580N 580SN WT
590SN 580SN

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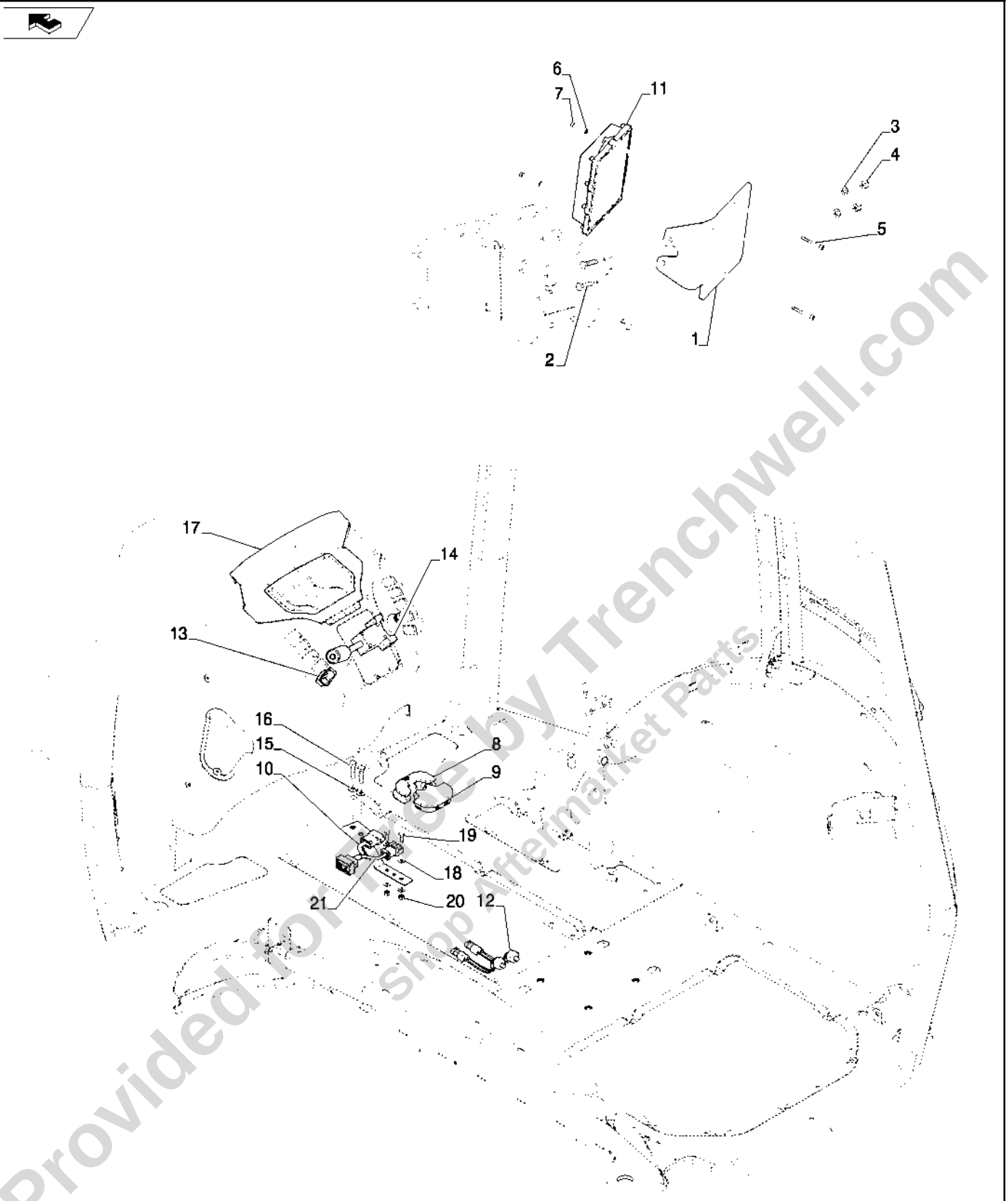
ELECTRICAL - TRANSMISSION, POWERSHIFT (580SN, 580SN WT, 590SN)



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ELECTRICAL - TRANSMISSION, POWERSHIFT (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87644491		1	BRACKET
2		614-8030		2	BOLT, Hex, M8 x 30, 8.8
3		895-11008		2	WASHER, M8 x 16 x 1.6
4		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
5		864-5040		2	HEX SOC SCREW, Hex Soc Hd, M5 x 40, 8.8
6		895-11005		2	WASHER, M5 x 10 x 1
7		824-1405		2	NUT, M5, Cl 5
8		397443A2		1	SEAL, Shift Lever Hole Plug
9		397493A2		1	SEAL, Shift Lever Hole Plug
10		87712564		1	BRACKET
11		84278195		1	ELECTRONIC CONTROL UNIT
12		D138955		2	SWITCH
13		87654515		1	SWITCH
14		231520A2		1	SWITCH
15		87655046		2	SPECIAL WASHER
16		614-10040		2	BOLT, Hex, M10 x 40, 8.8, Full Thd
17		360245A2		1	COVER
18		87655042		4	SPECIAL WASHER
19		614-8020		2	BOLT, Hex, M8 x 20, 8.8
20		829-1408		2	NUT, M8, Cl 10
21		84292225		1	HARNESS

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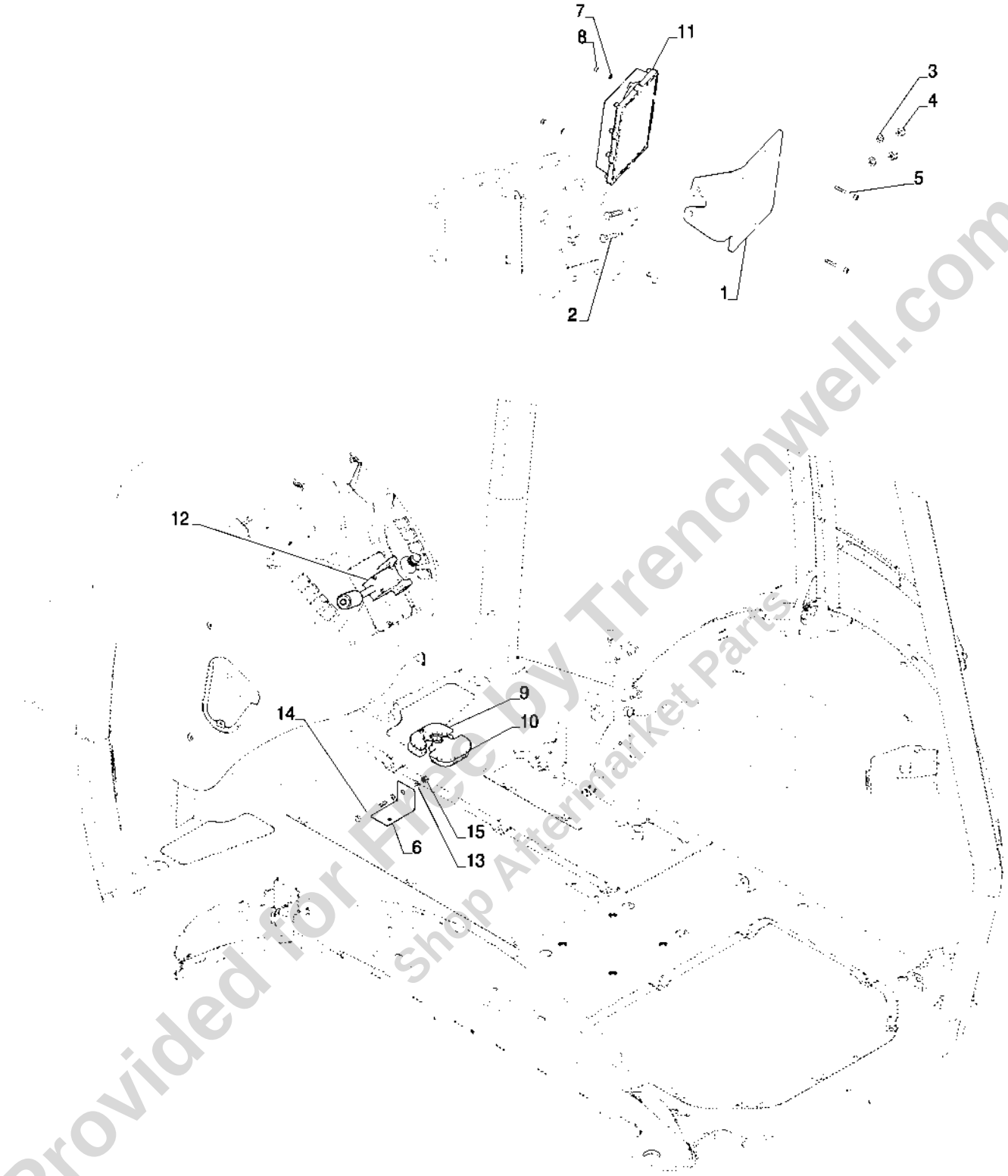
55.100.40		p1	03/12

ELECTRICAL - TRANSMISSION, POWERSHIFT S TYPE (580SN, 580SN WT, 590SN)



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ELECTRICAL - TRANSMISSION, POWERSHIFT S TYPE (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87644491		1	BRACKET
2		614-8030		2	BOLT, Hex, M8 x 30, 8.8
3		895-11008		2	WASHER, M8 x 16 x 1.6
4		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
5		864-5040		2	HEX SOC SCREW, Hex Soc Hd, M5 x 40, 8.8
6		84328358		1	BRACKET
7		895-11005		2	WASHER, M5 x 10 x 1
8		824-1405		2	NUT, M5, Cl 5
9		397443A2		1	SEAL, Shift Lever Hole Plug
10		397493A2		1	SEAL, Shift Lever Hole Plug
11		84278195		1	ELECTRONIC CONTROL UNIT
12		231520A2		1	SWITCH
13		87655042		2	SPECIAL WASHER
14		86508571		1	BOLT, Hex, M8 x 90, 8.8
15		412250		1	LOCK NUT, M8 x 1.25, Cl 8

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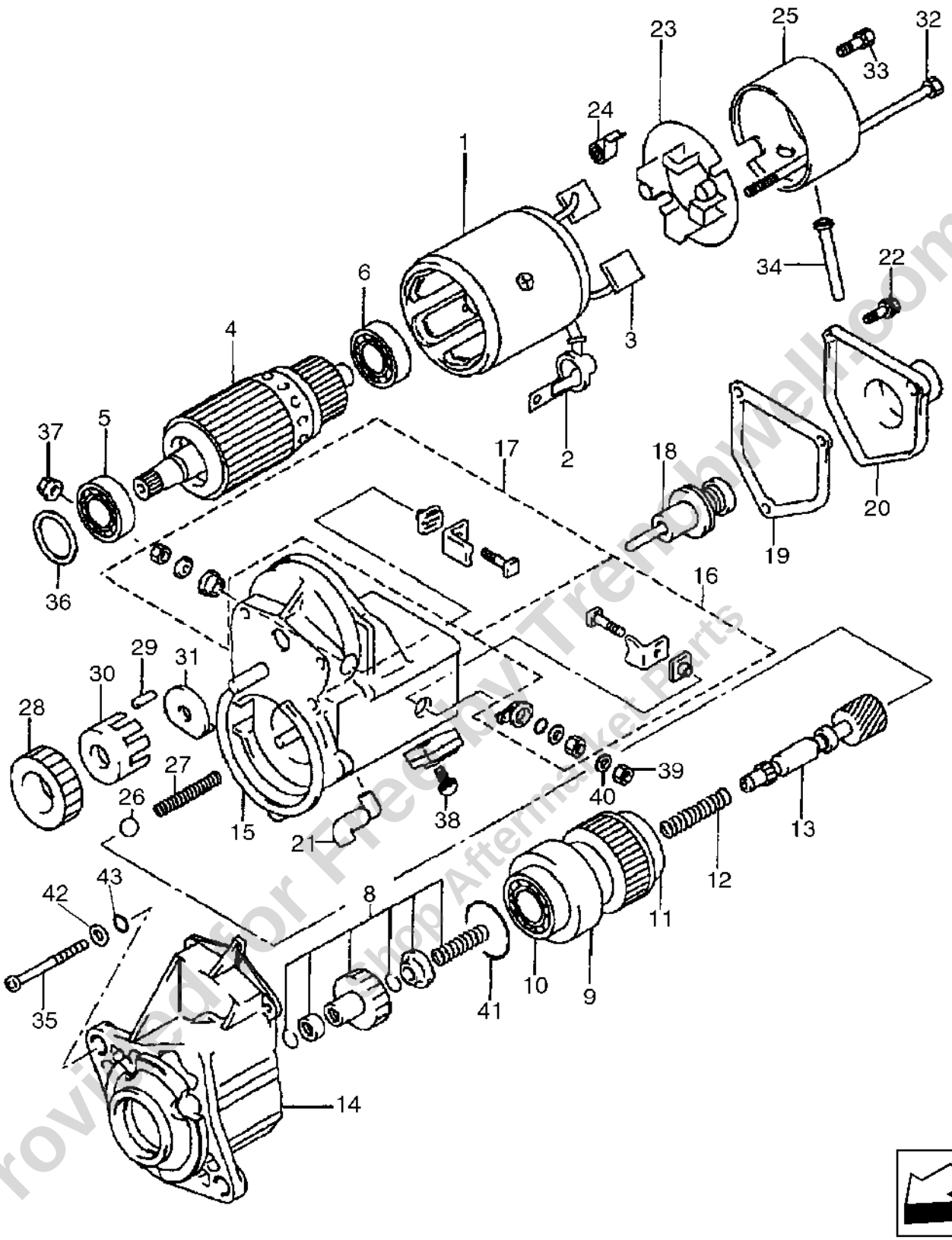
STARTER



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STARTER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		86992395		1	STARTER MOTOR, 12 V, 2.7 kw; Inc 1 - 43
1		87438992		1	STATOR, Housing, Yoke; Inc 2, 3
2		87438993		1	COVER
3		87438925		2	COMMUTATOR BRUSH
4		87438926		1	ARMATURE, Inc 5, 6
5		87438927		1	BALL BEARING, 35 mm OD
6		87438928		1	BALL BEARING, 30 mm OD
		87438994		1	CLUTCH ASSEMBLY, Inc 8 - 13
8		87438929		1	STARTER MTR REPAIR KIT, Clutch Pinion
9		87438930		1	STARTER MTR REPAIR KIT, Clutch Assembly; Inc 10, 11
10		87438931		1	BALL BEARING, 47 mm OD
11		87438932		1	BALL BEARING, 47 mm OD
12		87438933		1	COMPRESSION SPRING
13		87438935		1	SHAFT, Clutch
14		87438937		1	HOUSING
15		87438940		1	SOLENOID, Magnetic; Inc 16 - 22
16		87438941		1	STARTER MTR REPAIR KIT, Terminal M
17		87438942		1	STARTER MTR REPAIR KIT, Terminal C
18		87438944		1	PLUNGER ASSY.
19		87438946		1	GASKET, Solenoid Switch
20		87438948		1	COVER, Solenoid
21		87438995		1	BUSHING, Drain
22		87438950		3	BOLT, With Washer; M5 x 14
23		87438996		1	HOLDER, Brush; Inc 24
24		87438997		4	SPRING, Brush Tension
25		87438999		1	FRAME
26		87439000		1	BALL
27		87439001		1	COMPRESSION SPRING
28		87439002		1	GEAR
29		87439003		5	ROLLER, Clutch
30		87439004		1	RETAINER
31		87439005		1	RETAINER
32		87438951		2	BOLT
33		87439006		2	CAPTIVE WASHER SCREW, M5 x 9.4

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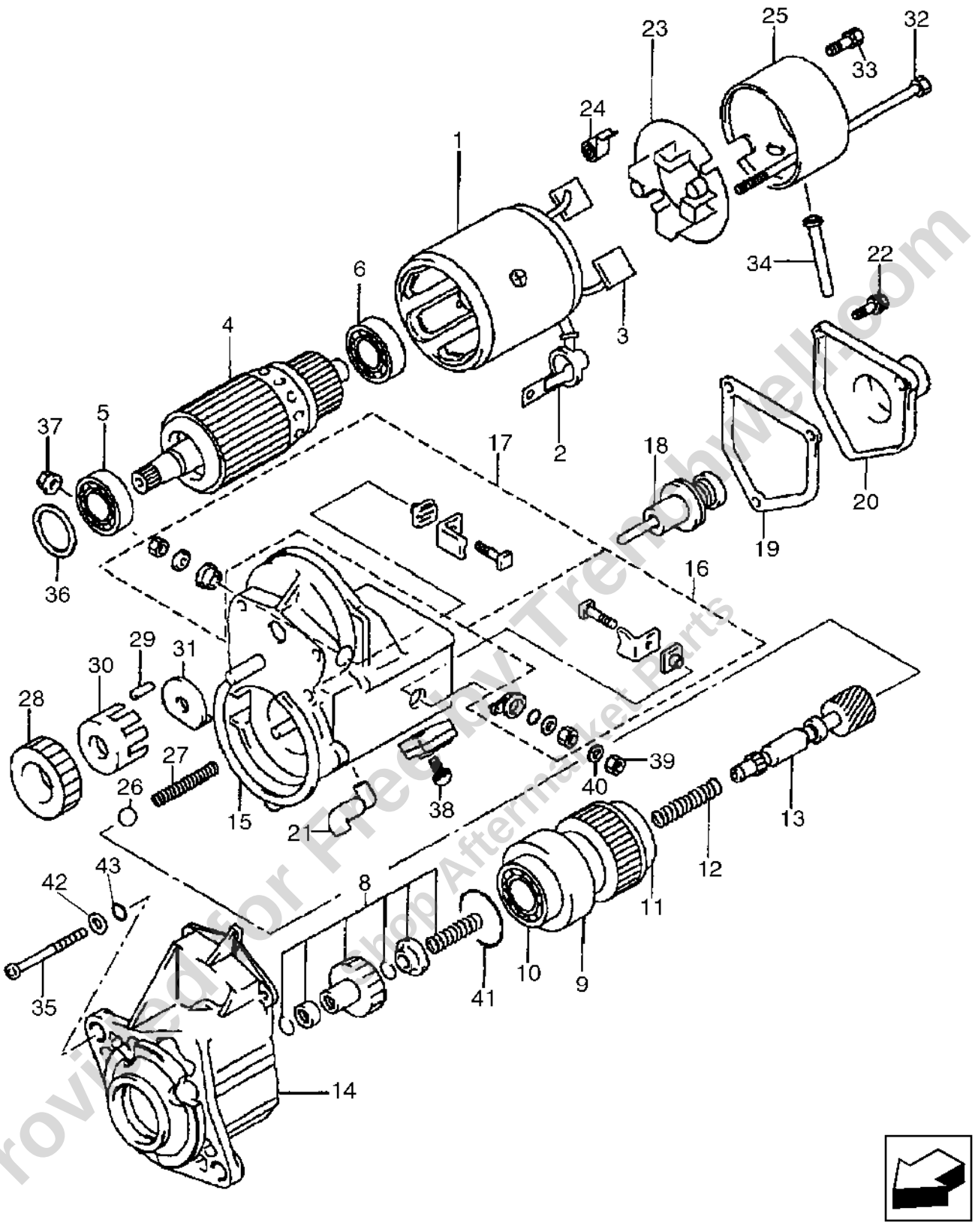
55.201.03		p2	09/10

STARTER



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STARTER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
34		87439007		1	BUSHING, Drain
35		87439008		3	SCREW, M6 x 70
36		87438954		1	WASHER, Felt
37		87439009		1	NUT, M10
38		87438956		1	BOLT, M5 x 10
39		100016		1	NUT, M10, Cl 8
40		892-11010		1	LOCK WASHER, M10
41		87439010		1	SEAL
42		87439061		3	WASHER, 9/32 x 1/2 x 3/64
43		87439011		3	O-RING, 4.8 ID

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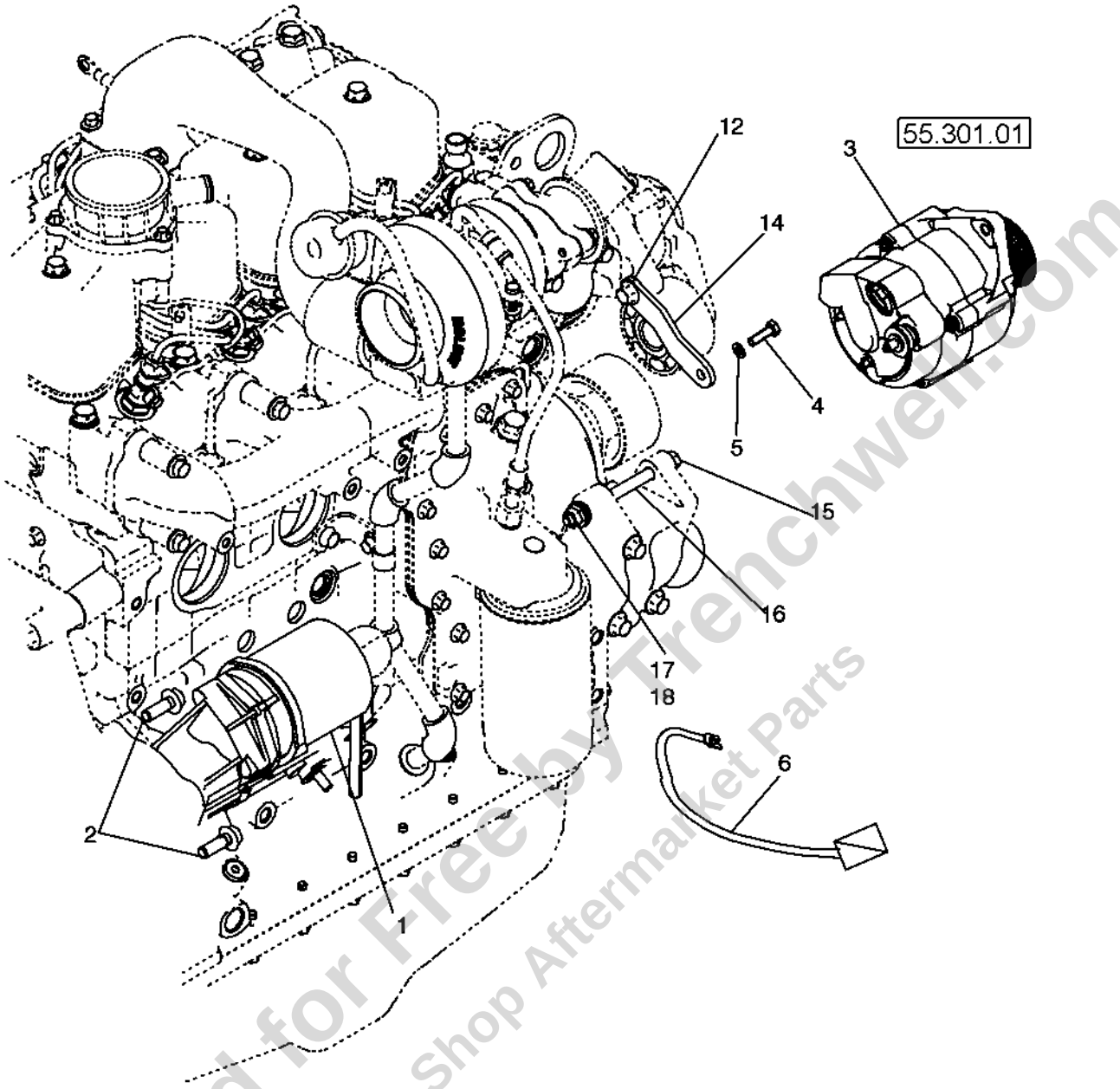
55.201.09		p1	06/11

STARTER / ALTERNATOR MOUNTING



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STARTER / ALTERNATOR MOUNTING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		86992395		1	STARTER MOTOR
2		844-10035		2	BOLT, Hex Flg, M10 x 35, 8.8
3		84254289		1	ALTERNATOR, Mounting Hardware Included With 87584965 Engine Assembly; See Ref. 12, 14, 16
4		614-8025		1	BOLT, Hex, M8 x 25, 8.8
5		892-11008		1	LOCK WASHER, M8
6		87433401		1	ELECTRIC CABLE, Starter Solenoid Jumper
12		614-8025		1	BOLT, Hex, M8 x 25, 8.8, Included With 87584965 Engine Assy
14		84228475		1	SECURING STRAP, Included With 87584965 Engine Assy
15		827-10130		1	BOLT, Hex, M10 x 130, 10.9
16		2852181		1	SPACER, Included With 87584965 Engine Assy
17		87655046		2	SPECIAL WASHER
18		832-10410		1	LOCK NUT, M10 x 1.5, Cl 8

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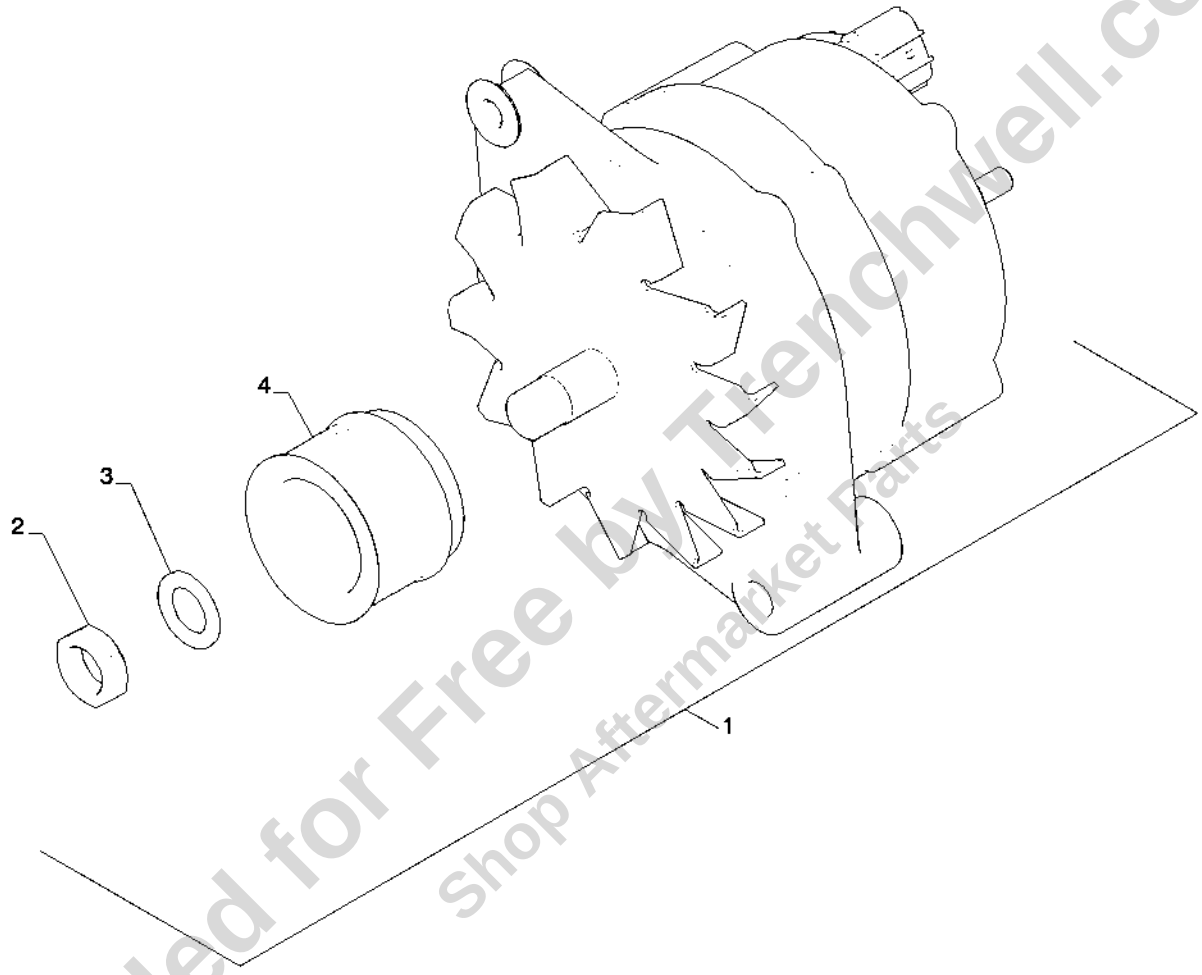
55.301.01		p1	10/10

ALTERNATOR



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ALTERNATOR

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84254289		1	ALTERNATOR, Inc 2-4
2		NSS		1	NOT SERVICED SEPARATELY
3		NSS		1	NOT SERVICED SEPARATELY
4		NSS		1	NOT SERVICED SEPARATELY

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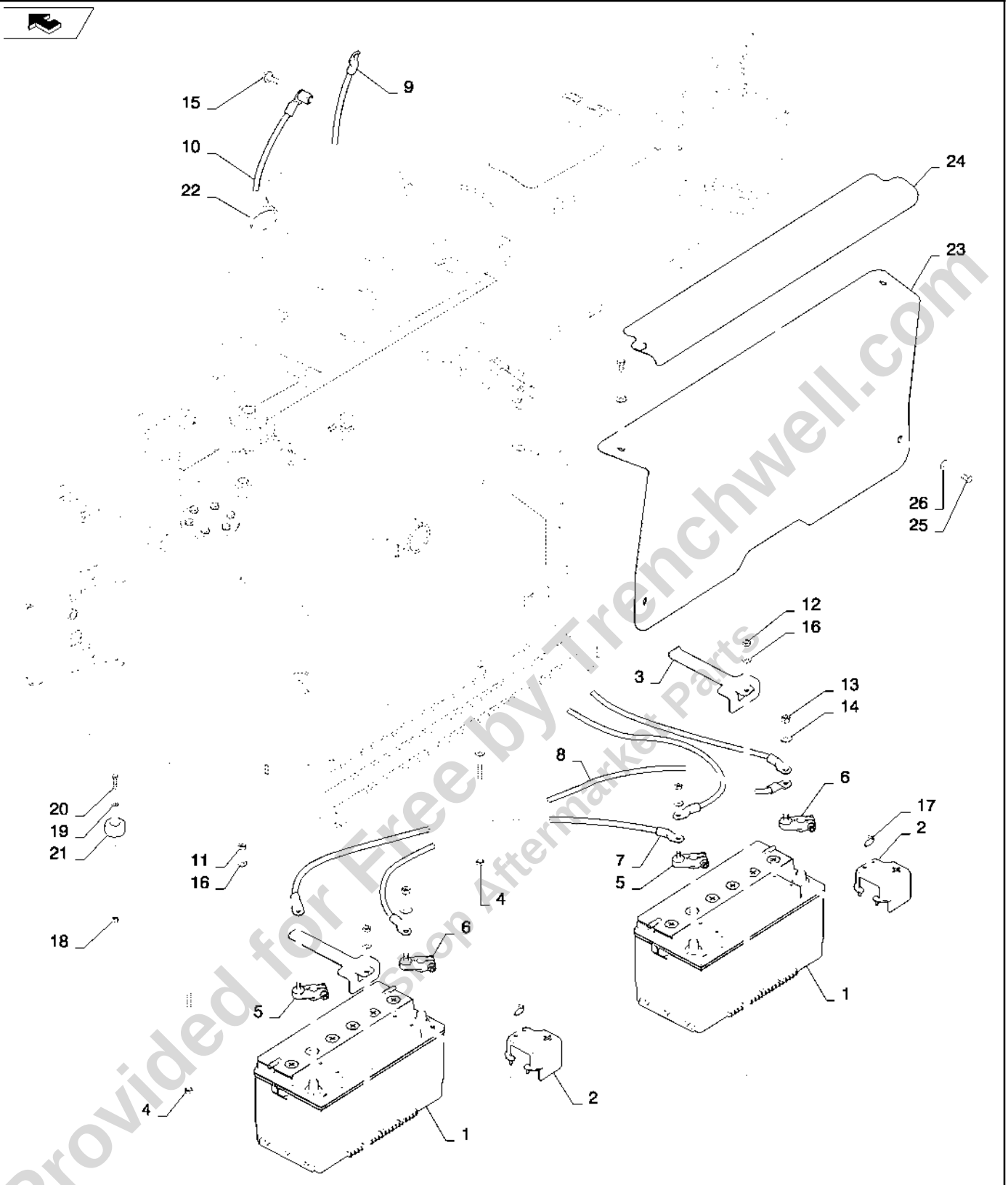
55.301.07		p1	09/11

BATTERY, DUAL - COLD START



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Division Aftermarket Parts

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BATTERY, DUAL - COLD START

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87403835		2	WET BATTERY, 12V; 850 CCA; 95 AH
2		87664021		2	COVER
3		87653377		2	BRACKET
4		87522766		2	BOLT
5		87735578		2	TERMINAL CONNECTOR
6		87735577		2	TERMINAL CONNECTOR
7		87610682		1	NEG BATTERY CABLE
8		87610681		1	POS BATTERY CABLE
9		87610680		1	NEG BATTERY CABLE
10		87610679		1	POS BATTERY CABLE
11		425-105		2	NUT, 5/16"-18, G5
12		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
13		425-106		2	NUT, 3/8"-16, G5
14		87655046		2	SPECIAL WASHER
15		844-10025		AR	BOLT, Hex Flg, M10 x 25, 8.8, Full Thd
16		87655042		6	SPECIAL WASHER
17		87486703		2	CABLE STRAP
18		832-10406		1	NUT, M6 x 1, Cl 8
19		87655041		1	SPECIAL WASHER
20		614-6025		1	BOLT, Hex, M6 x 25, 8.8, Full Thd
21		87671746		1	BUMPER
22		L18331		1	CABLE STRAP
23		84281665		1	COVER, Battery
24		87719444		1	ANTI-SKID STRIP
25		614-8016		4	BOLT, Hex, M8 x 16, 8.8
26		895-15008		4	WASHER, M8 x 20 x 1.6

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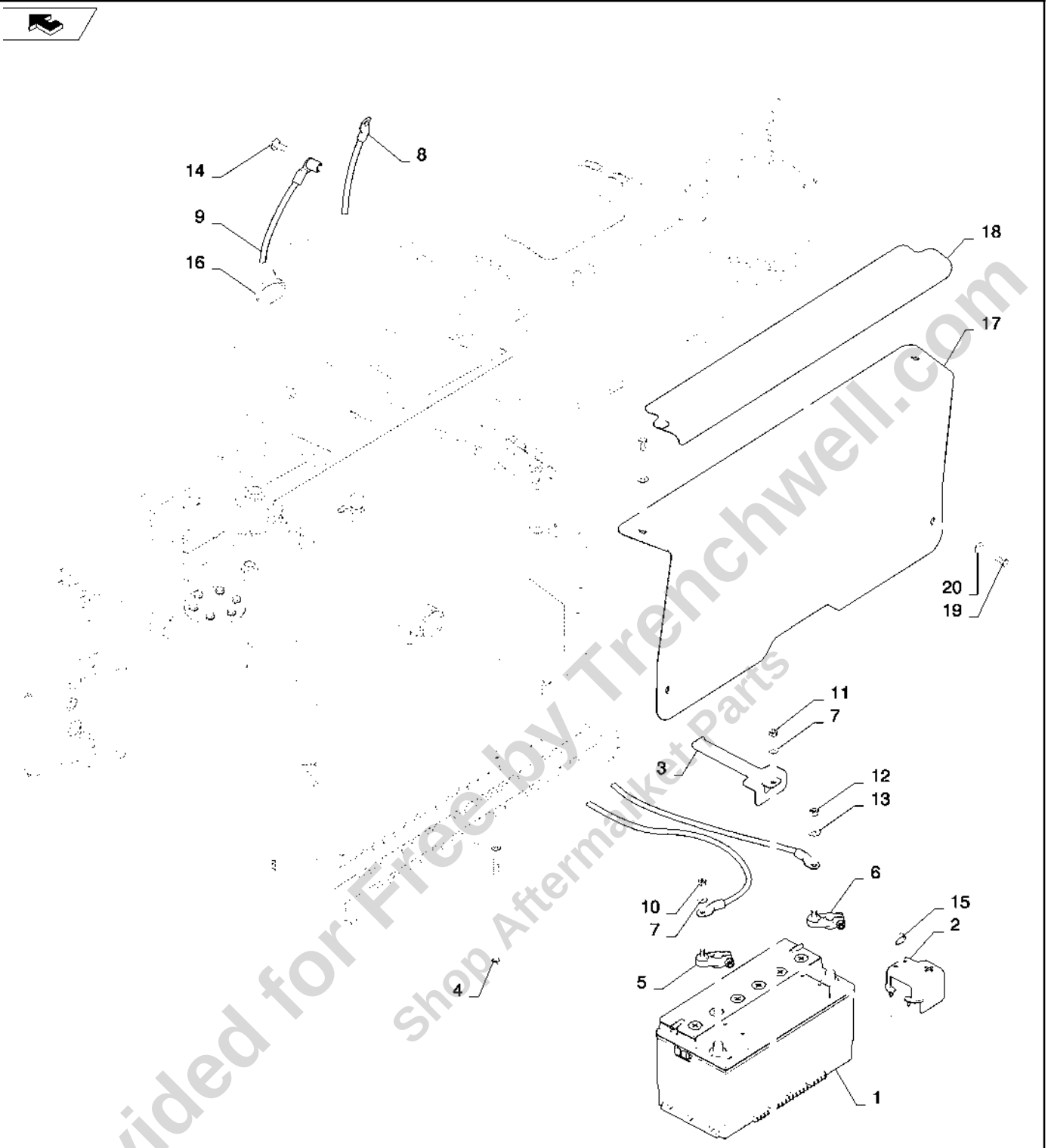
55.301.08		p1	09/11

BATTERY, SINGLE



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BATTERY, SINGLE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87403835		1	WET BATTERY, 12V; 850 CCA; 95 AH
2		87664021		1	COVER
3		87653377		1	BRACKET
4		87522766		1	BOLT
5		87735578		1	TERMINAL CONNECTOR
6		87735577		1	TERMINAL CONNECTOR
7		87655042		3	SPECIAL WASHER
8		87610680		1	NEG BATTERY CABLE
9		87610679		1	POS BATTERY CABLE
10		425-105		1	NUT, 5/16"-18, G5
11		832-10408		1	LOCK NUT, M8 x 1.25, Cl 8
12		425-106		1	NUT, 3/8"-16, G5
13		87655046		1	SPECIAL WASHER
14		844-10025		AR	BOLT, Hex Flg, M10 x 25, 8.8, Full Thd
15		87486703		1	CABLE STRAP
16		L18331		1	CABLE STRAP
17		84281665		1	COVER, Battery
18		87719444		1	ANTI-SKID STRIP
19		614-8016		4	BOLT, Hex, M8 x 16, 8.8
20		895-15008		4	WASHER, M8 x 20 x 1.6

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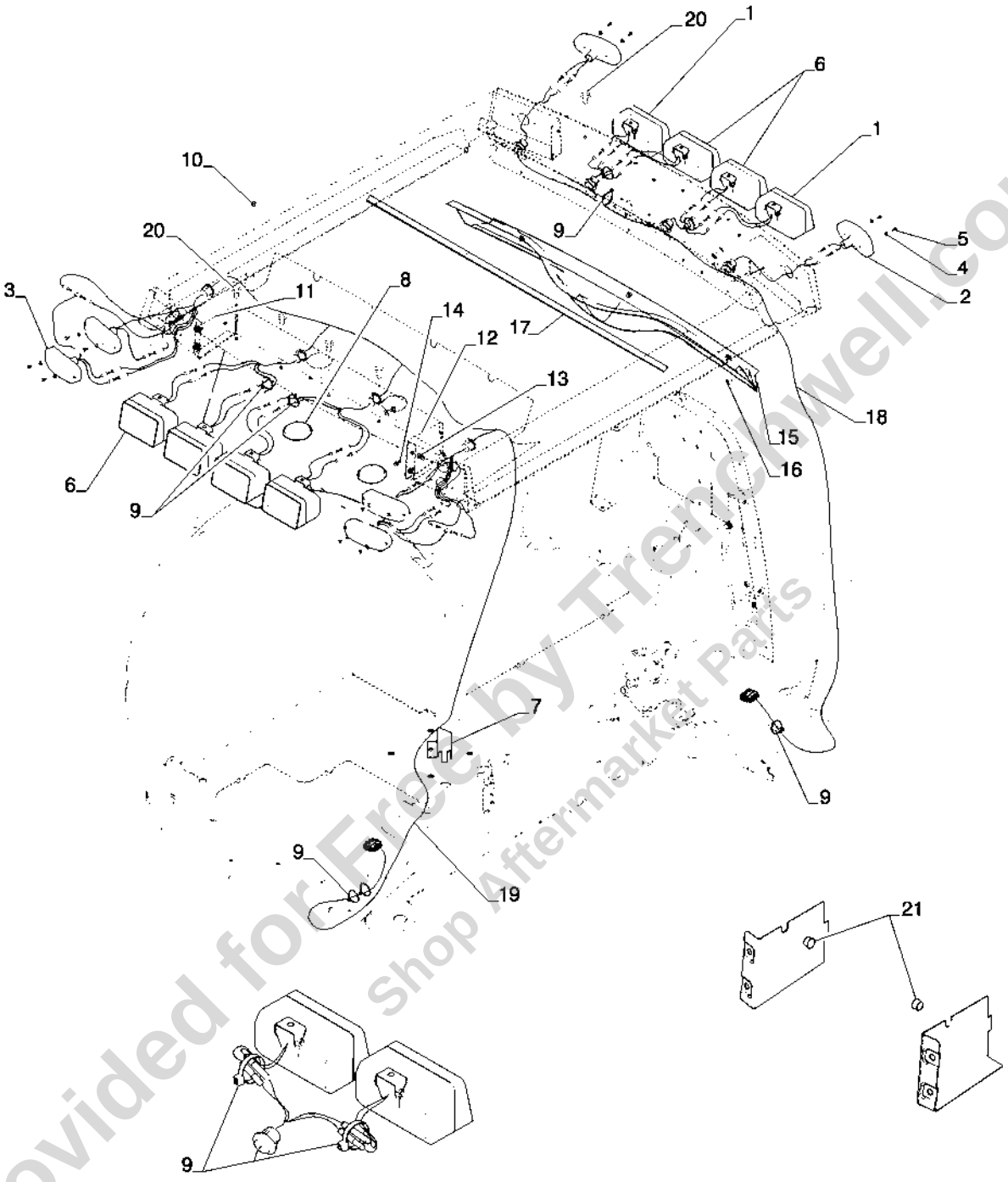
55.404.01	01	p1	01/11

ELECTRICAL - LAMPS, ROPS CANOPY



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ELECTRICAL - LAMPS, ROPS CANOPY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87343247		2	FRONT LAMP
2		D135384		4	LAMP
3		D121152		2	LAMP
4		495-31022		12	WASHER, #10
5		329032A1		12	SCREW
6		87443081		6	LIGHT
7		186351A1		1	GUARD
8		D93716		2	PLUG
9		L11541		10	CABLE STRAP
10		353-402		4	PLUG, Dome, .375" hole, Nylon
11		84286660		1	COVER
12		84286659		1	COVER
13		833-40406		4	NUT, M6, U
14		87310098		4	BOLT
15		367712A3		1	COVER
16		F64519		5	SELF-TAP SCREW, Cross Wash Hd, #10-16 x 3/4"
17		385506A1		1	PROTECTION STRIP
18		404617A1		1	WIRE HARNESS
19		396023A2		1	WIRE HARNESS
20		128312A1		8	BOLT
21		86625128		2	PLUG, Dome, .562" hole, Nylon

580N 580SN WT
590SN 580SN

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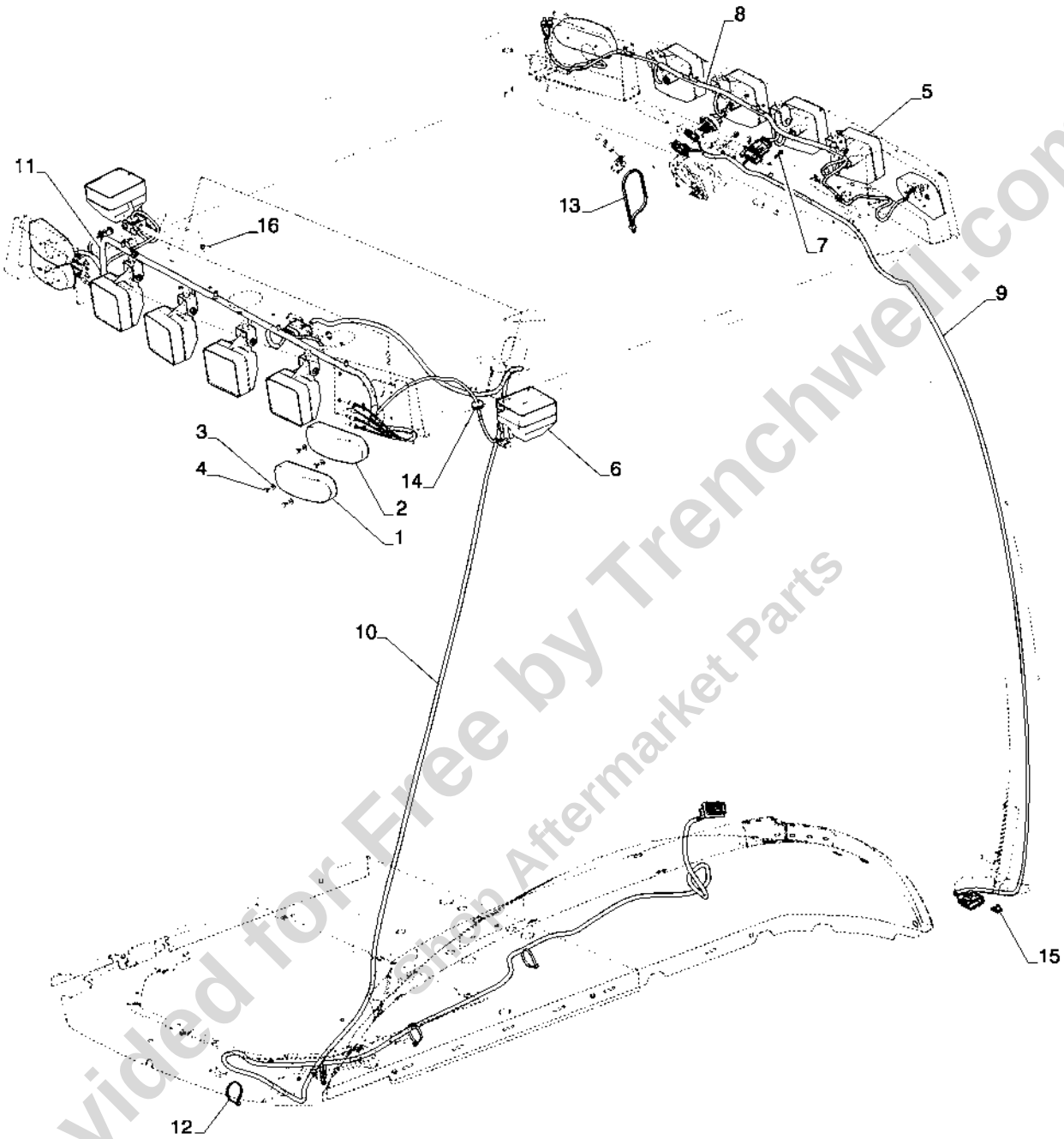
55.404.01	02	p1	03/11

ELECTRICAL - LAMPS, ROPS CANOPY



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ELECTRICAL - LAMPS, ROPS CANOPY

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		D121152		2	LAMP
2		D135384		4	LAMP
3		495-31022		12	WASHER, #10
4		329032A1		12	SCREW
5		84236850		2	LIGHT
6		87584890		8	LIGHT ASSY.
7		280-14512		4	SELF-TAP SCREW, Hex Wash Hd, #10 x 3/4"
8		84292401		1	HARNESS
9		84292405		1	HARNESS
10		84292409		1	HARNESS
11		84292414		1	HARNESS
12		L11541		4	CABLE STRAP
13		L18331		1	CABLE STRAP
14		87370966		2	GROMMET
15		87707841		1	CLIP
16		128312A1		12	BOLT

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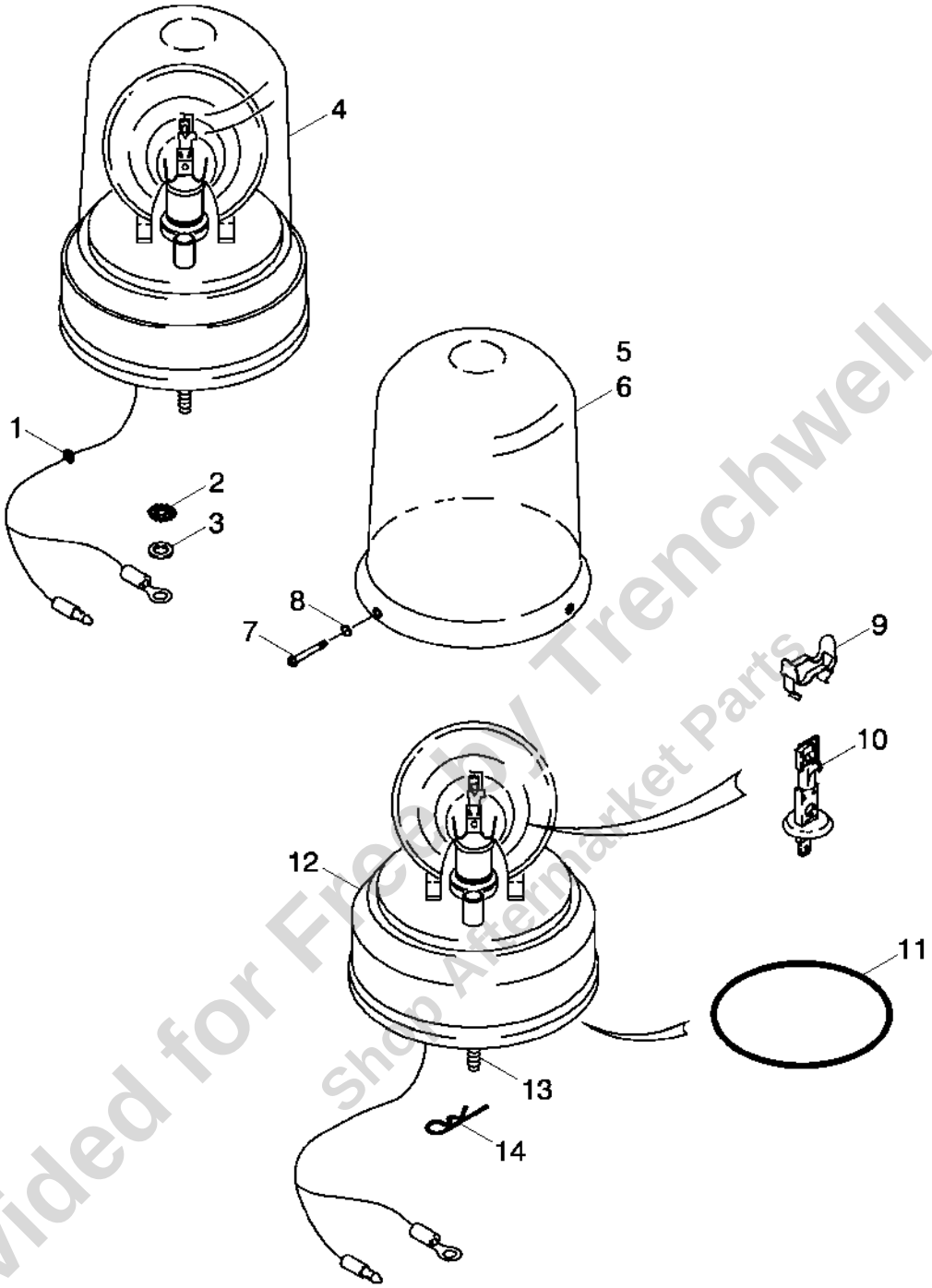
55.408.01		p1	12/10

BEACON, ROTATING (CAB OR CANOPY MODELS)



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BEACON, ROTATING (CAB OR CANOPY MODELS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84292396		1	SERVICE KIT, Rotating Beacon; Amber, 12V; Inc 1 - 5, 7 - 16 and Instructions
1		A23870		1	GROMMET
2		493-11026		1	LOCK WASHER, Ext-Int Tooth, 1/4", Ground
3		495-21031		1	WASHER, 1/4"
4		108366A1		1	BEACON, Rotating; Amber, 12V; Inc 5, 7 - 14
5		A187542		1	LENS, Amber; If Used
6		127158A1		1	LENS, Blue; Optional; Not Included In Kit, Purchase Separately; If Used
7		168-71		3	SCREW, Drive, #8 x 1/2"
8		238-5005		3	O-RING, 0.094" ID x 0.062" Width
9		101531A1		1	CLIP
10		86616248		1	BULB, #HI, 55w
11		A187575		1	BELT, Drive Motor
12		NSS		1	NOT SERVICED SEPARATELY, BASE With Drive Motor
13		614-6020		3	BOLT, Hex, M6 x 20, 8.8
14		136-54		3	PIN, 1/4 x 11/16
15		84222284		1	BEACON SWITCH, Rotating, (Not Shown)
16		121412A1		1	FUSE, 10 Amp, Mini, (Not Shown)
17		84292398		1	WIRE HARNESS, (Not Shown)

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55.408.09		p1	03/11

HORN - ALARM, BACKUP

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HORN - ALARM, BACKUP

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87470931		1	HORN, 107db, 12v-36v
2		895-11008		4	WASHER, M8 x 16 x 1.6
3		43127		2	SCREW, Hex, M8 x 25, 8.8
4		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8

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580N 580SN WT
590SN 580SN

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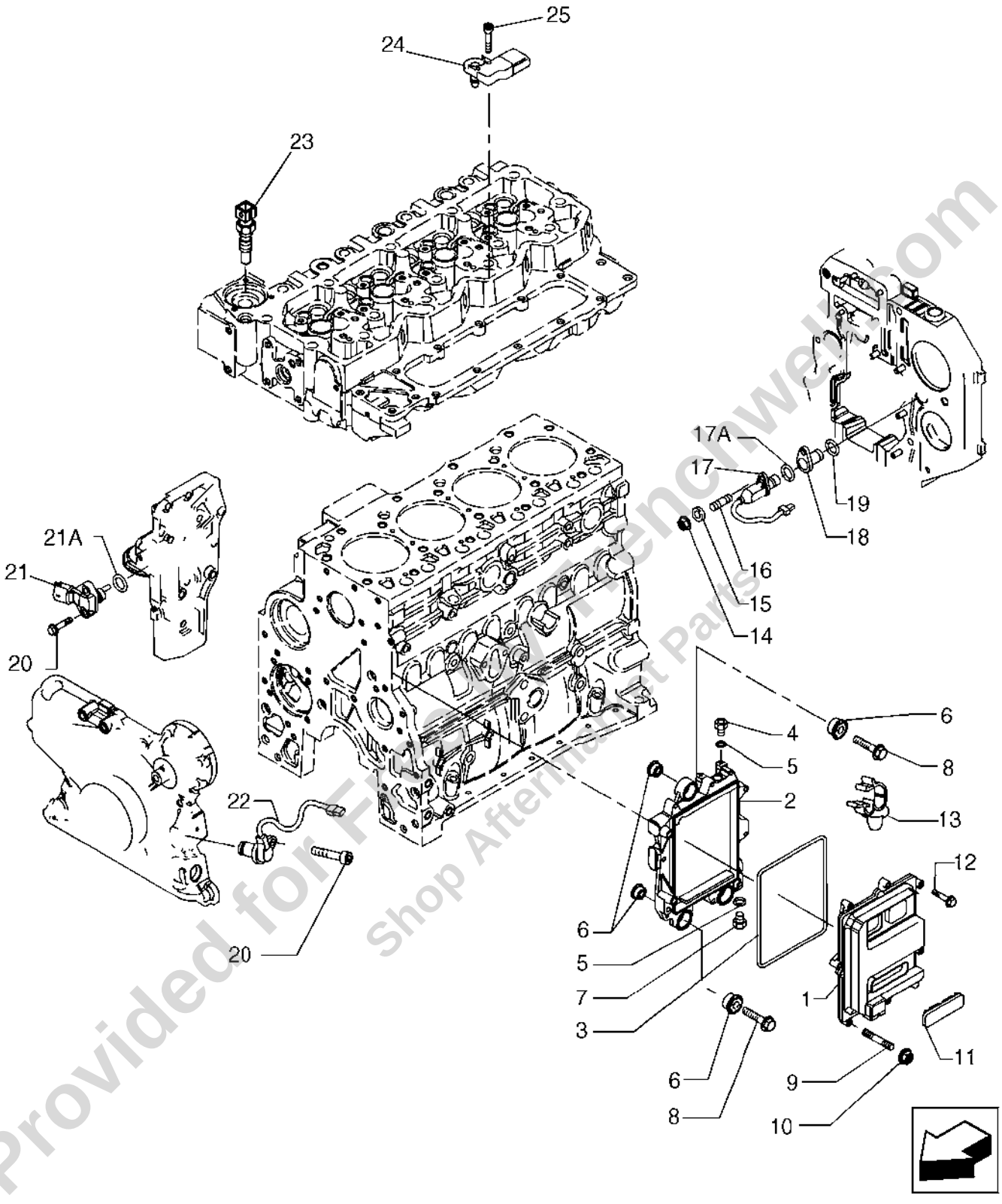
55.440.01		p1	03/12

FUEL INJECTION SYSTEM - MODULE, ENGINE CONTROL (580SN, 580SN WT, 590SN)



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FUEL INJECTION SYSTEM - MODULE, ENGINE CONTROL (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		2854594		1	ELECTRONIC CONTROL UNIT
1		2854594R		AR	REMAN-MODULE, Remanufactured Electronic Control Unit; For N.A. only
1		2854594C		AR	CORE-MODUL, Return Number, ELECTRONIC CONTROL UNIT - for N.A. Only
		2854595		1	BRACKET, Incl. Refs. 2 - 7
2		2854596		1	BRACKET, Support, Electronic Unit
3		2854079		1	GASKET
4		4896542		1	HYD CONNECTOR, M12 x 1.5
5		2854292		2	SEAL WASHER
6		2855150		6	INSULATOR BLOCK, Stop
7		4890964		1	FITTING, M12 x 1.5
8		4899078		3	SCREW, Hex Flg, M8 x 1.25 x 45
9		2854593		1	STUD
10		4899057		1	FLANGE NUT, M6
11		2852825		1	PLUG
12		2852818		7	SCREW, M6 x 30
13		2852486		2	CABLE CLIP
14		2854282		1	NUT, Hex, M6 x 1
15		4899124		1	WASHER
16		4895157		1	STUD
17		4890190		1	SENSOR, Camshaft Position/Speed; Incl. Ref. 17A
17A		2852820		1	O-RING, 17.17 x 1.78 mm
18		4892255		1	HOUSING, Sender Unit
19		14453881		1	O-RING, 23.52mm ID x 1.78" Width
20		4899110		3	SCREW, Hex Flg, M6 x 1 x 20
21		4890193		1	SENSOR, Oil Pressure & Temp. Incl. Ref, 21A
21A		4895477		1	O-RING, 0.549mm ID x 0.103mm Width
22		4890189		1	SENSOR, Crankshaft Position/Speed
23		4897224		1	SENSOR, Temperature, Two Wire
23A		A166057		1	TEMPERATURE SENDER, One wire (Not shown)
24		2852821		1	SENSOR, ECM; Boost/Air Temperature
25		4895817		1	SCREW, Hex Flg, M6 x 1 x 20

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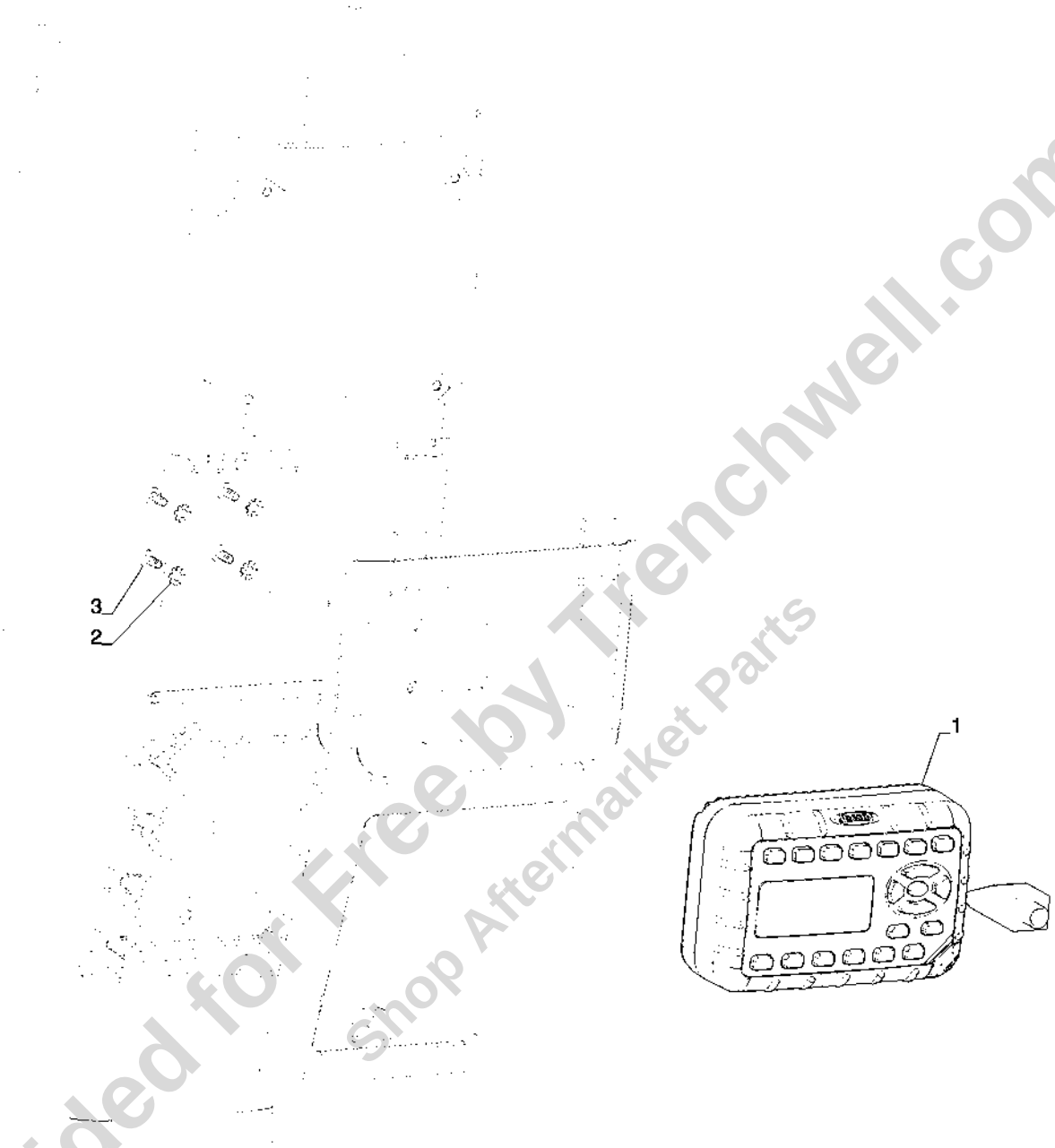
RADIO



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RADIO

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87672223		1	RADIO
2		893-11004		4	LOCK WASHER, Ext Tooth, M4
3		840-1410		4	SCREW, Cross Pan Hd, M4 x 10, 4.8

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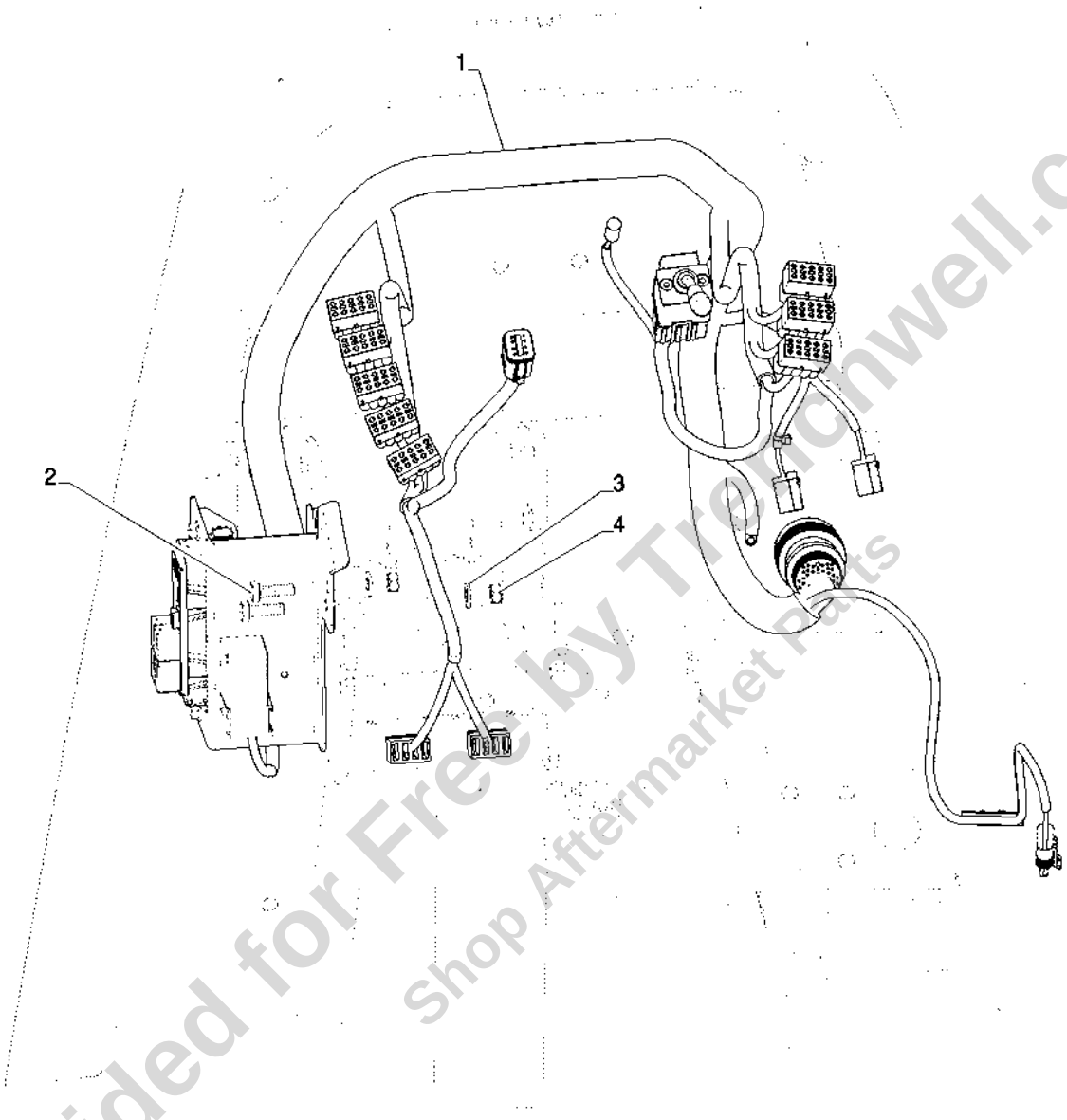
55.512.13		p1	03/11

HARNESS INSTALL - FRONT CONSOLE, S AND H TYPE TRANSMISSION (580SN, 580SN WT, 590SN)



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HARNESS INSTALL - FRONT CONSOLE, S AND H TYPE TRANSMISSION (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84342261		1	WIRE HARNESS, S Type Transmission
1		84342267		1	WIRE HARNESS, H Type Transmission
2		614-8025		2	BOLT, Hex, M8 x 25, 8.8
3		87655042		2	SPECIAL WASHER
4		829-1408		2	NUT, M8, Cl 10

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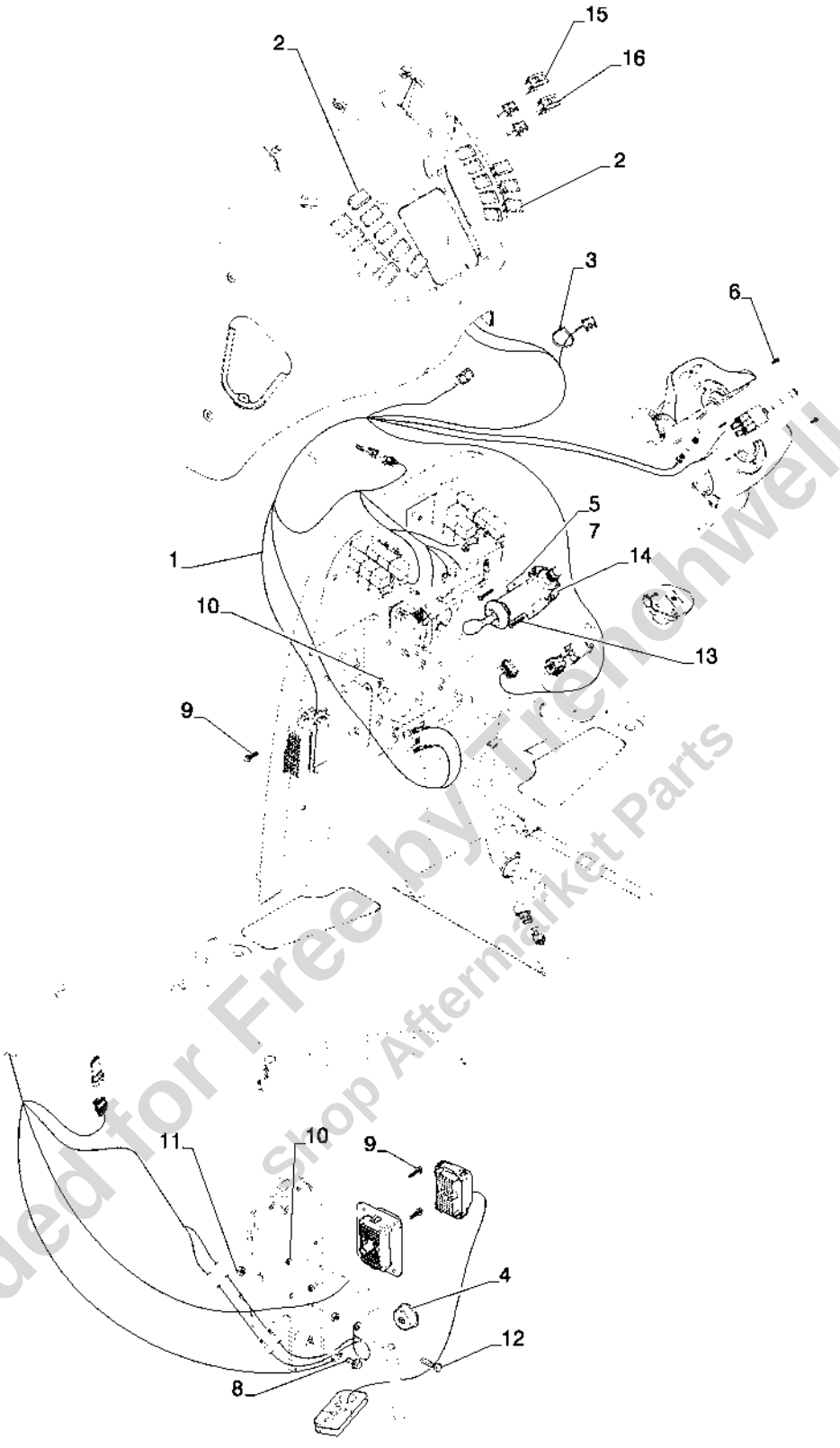
55.512.14	01	p1	01/11

HARNESS - FRONT CONSOLE, SWITCHES



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HARNESS - FRONT CONSOLE, SWITCHES

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87584546		1	WIRE HARNESS
2		126844A1		18	PLUG
3		L11541		3	CABLE STRAP
4		D137468		1	BUZZER
5		231520A2		1	SWITCH
6		84178909		2	SCREW
7		278328A1		1	SWITCH
8		844-10020		1	BOLT, Hex Flg, M10 x 20, 8.8
9		844-6025		3	BOLT, Hex Flg, M6 x 25, 8.8
10		832-10406		3	NUT, M6 x 1, Cl 8
11		829-1410		2	NUT, M10, Cl 10
12		614-10030		1	BOLT, Hex, M10 x 30, 8.8
13		397990A1		2	SCREW
14		366889A2		1	HALF COLLAR
15		386849A1		1	SWITCH
16		386850A1		1	SWITCH

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580N 580SN WT
590SN 580SN

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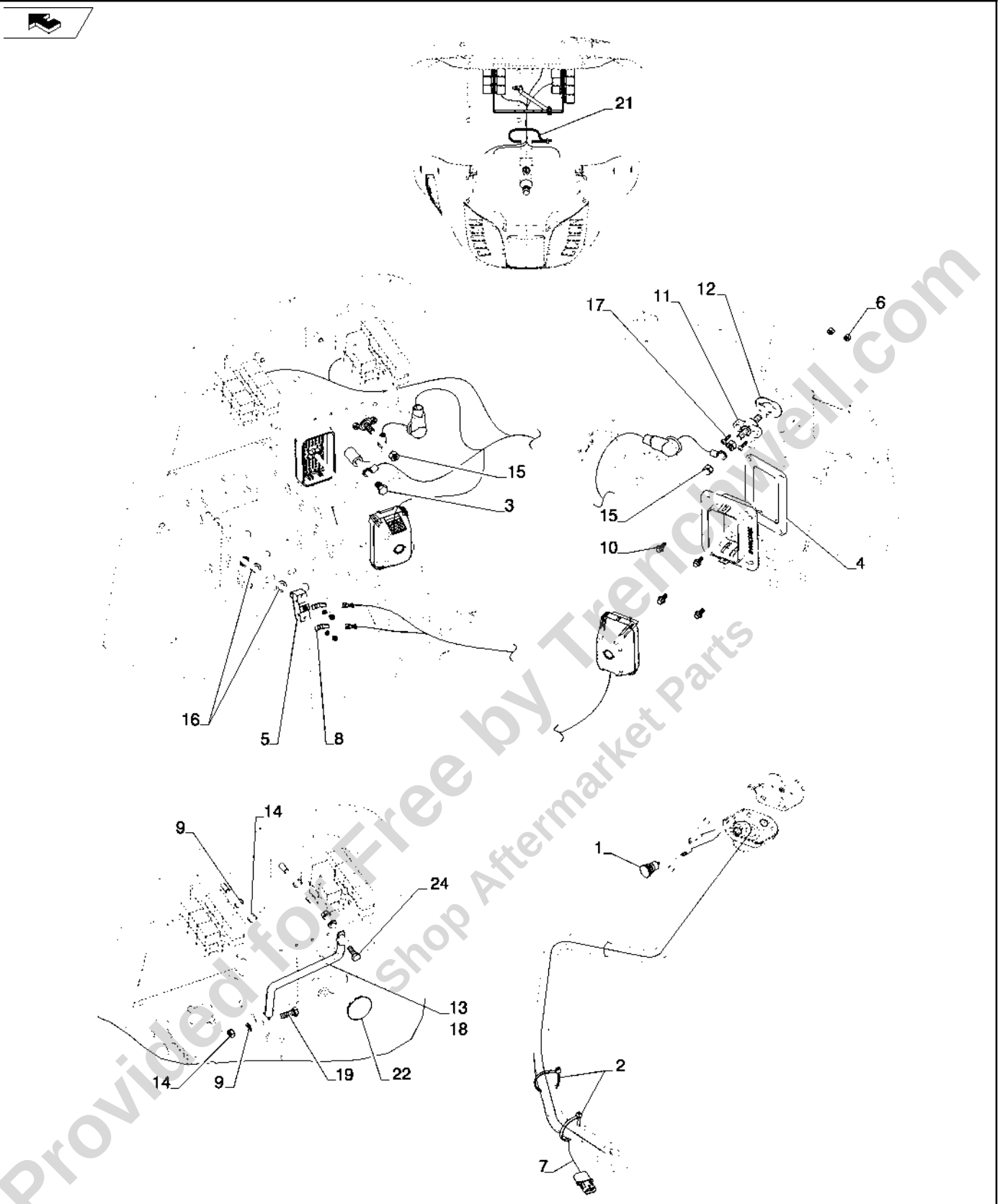
55.512.14	02	p1	01/11

HARNESS - FRONT CONSOLE, MOUNTING



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HARNESS - FRONT CONSOLE, MOUNTING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87312712		1	SWITCH
2		L11541		3	CABLE STRAP
3		128312A1		1	BOLT
4		414174A1		1	GASKET
5		D148108		1	SWITCH
6		231-24409		2	LOCK NUT, #10-32
7		123809A2		1	WIRE HARNESS
8		A187990		2	TERMINAL CONNECTOR, Male
9		87655042		4	SPECIAL WASHER
10		781-24613		4	SELF-TAP SCREW, Hex Flg Hd, M6 x 13
11		357278A1		1	ISOLATOR
12		357966A1		1	GASKET
13		362930A2		1	BRACKET
14		829-1408		4	NUT, M8, Cl 10
15		425-106		3	NUT, 3/8"-16, G5
16		87655046		2	SPECIAL WASHER
17		490-11012		2	SCREW, Cross Pan Hd, #10-32 x 3/4", 12
18		392353A1		1	CONDUIT
19		614-8025		1	BOLT, Hex, M8 x 25, 8.8
20		614-8020		1	BOLT, Hex, M8 x 20, 8.8
21		L18331		1	CABLE STRAP
22		397876A1		1	PLUG

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580N 580SN WT
590SN 580SN

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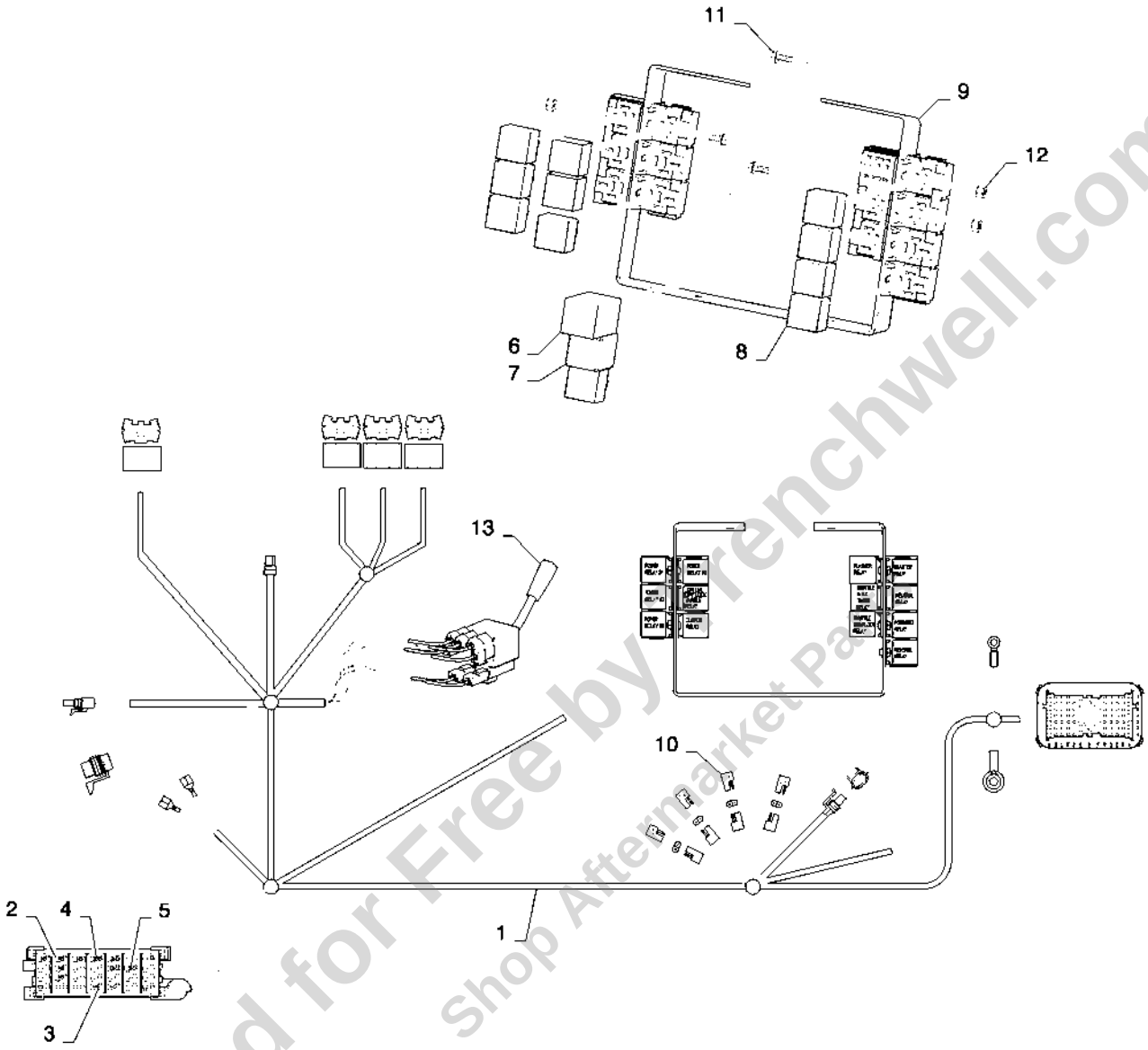
55.512.14	03	p1	08/11

HARNESS - FRONT CONSOLE



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HARNESS - FRONT CONSOLE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87584546		1	WIRE HARNESS, Front Console
2		121412A1		5	FUSE, 10 Amp, Mini, Red
3		121413A1		2	FUSE, 15 Amp, Mini, Blue
4		121414A1		2	FUSE, 20 Amp, Mini, Yellow
5		121416A1		2	FUSE, 30 Amp, Mini, Green
6		87578455		1	FLASHER UNIT
7		347706A3		1	RELAY, Time delay 12V 5A
8		87436836		11	RELAY, Mini 12V 40A
9		361900A1		1	BRACKET, Relay Mounting
10		L71879		4	DIODE ELEMENT, isolation
11		87301687		7	SCREW, Hex Wash Hd, #10-32 x 1/2"
12		231-24409		7	LOCK NUT, #10-32
13		389487A1		1	LIGHT SWITCH, Turn Signal, Driving Lights, Horn

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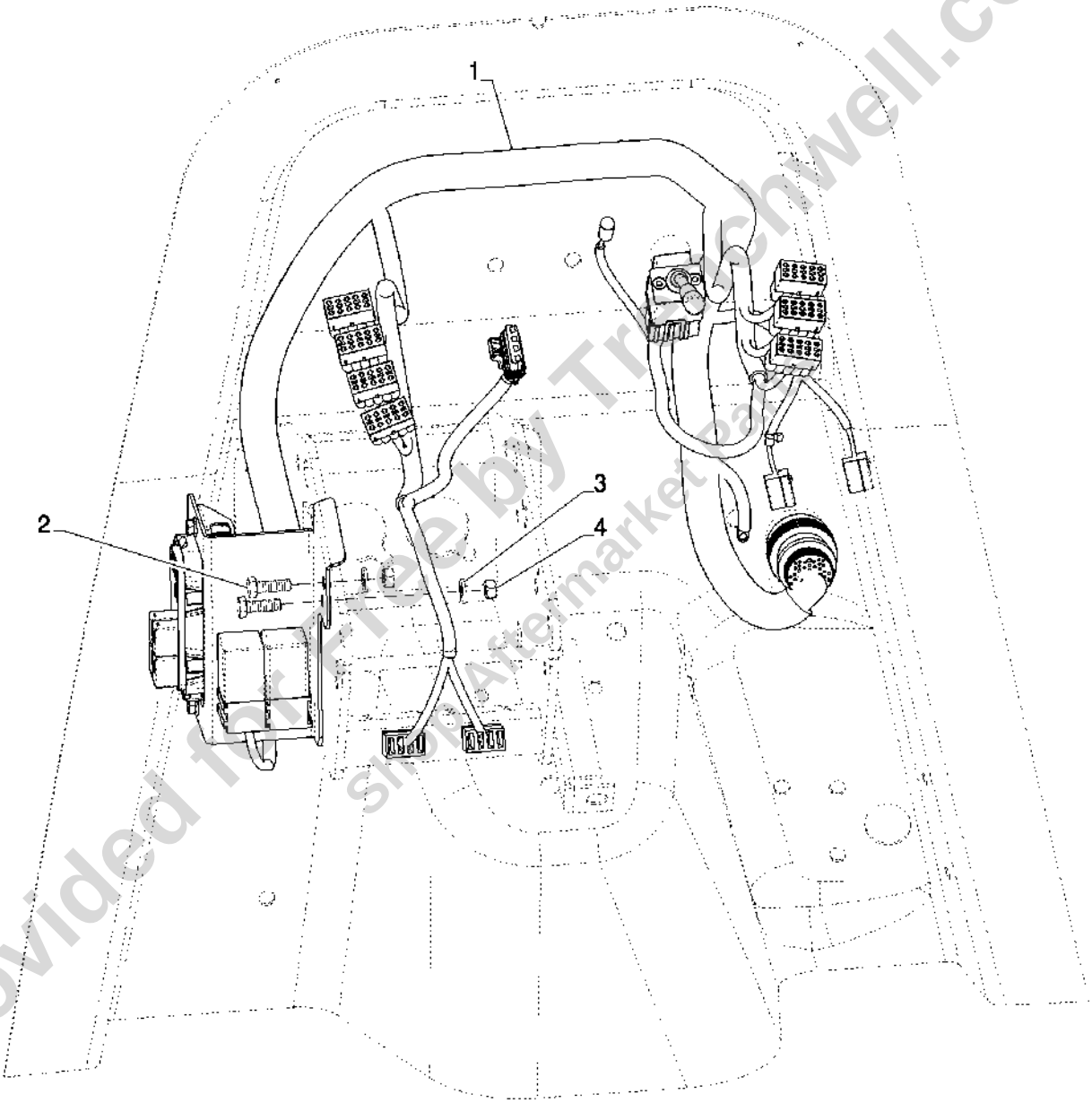
55.512.15	01	p1	04/11

HARNESS, INSTALL - FRONT CONSOLE, STANDARD TRANSMISSION



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HARNESS, INSTALL - FRONT CONSOLE, STANDARD TRANSMISSION

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84342262		1	WIRE HARNESS
2		614-8025		2	BOLT, Hex, M8 x 25, 8.8
3		87655042		2	SPECIAL WASHER
4		829-1408		2	NUT, M8, Cl 10

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580N 580SN WT
590SN 580SN

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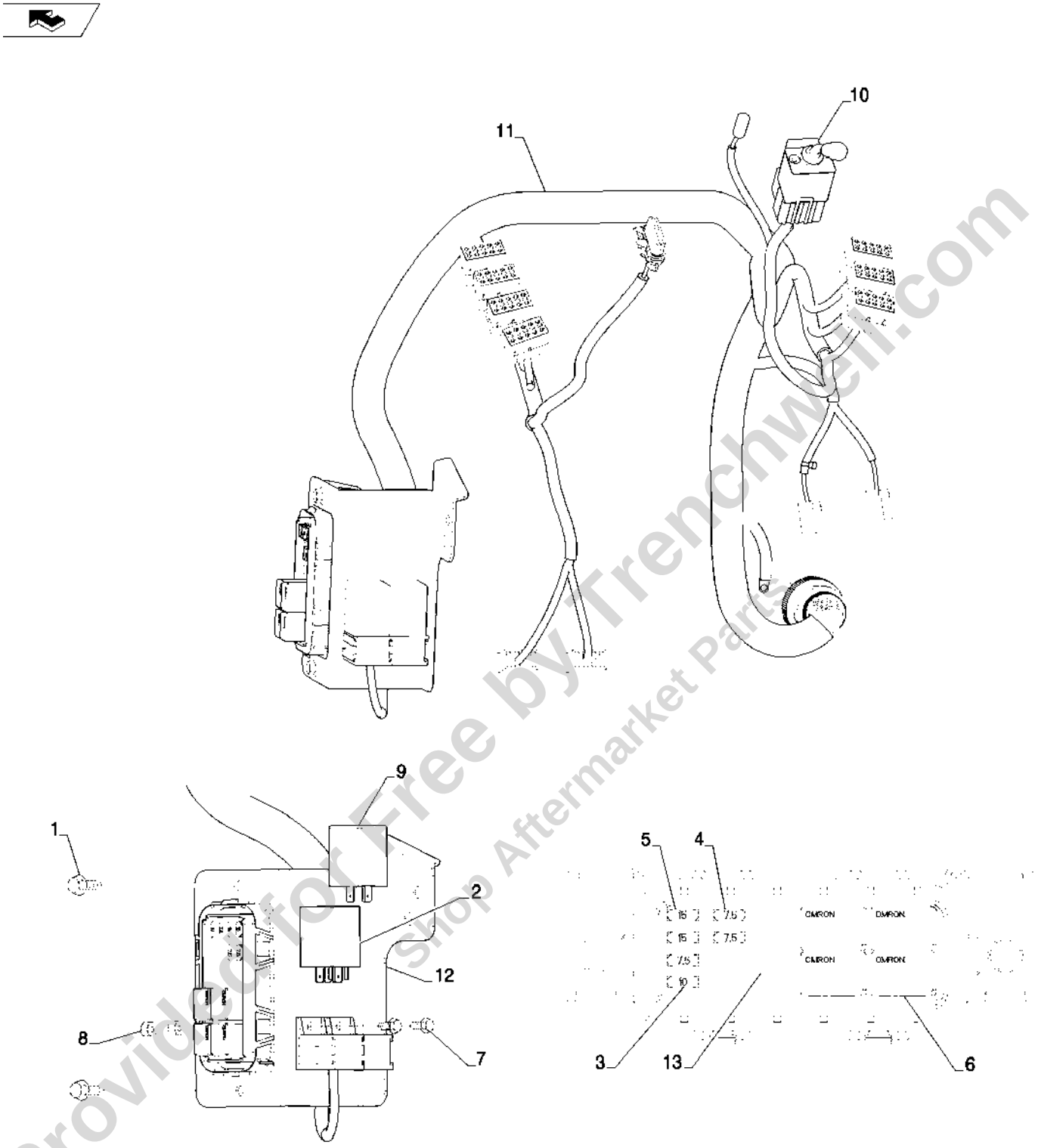
55.512.15	02	p1	04/11

HARNESS - FRONT CONSOLE, STANDARD TRANSMISSION



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HARNESS - FRONT CONSOLE, STANDARD TRANSMISSION

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		845-6020		2	BOLT, Hex Flg, M6 x 20, 8.8, Full Thd
2		87578455		1	FLASHER UNIT
3		121412A1		1	FUSE, 10 Amp, Mini
4		121411A1		3	FUSE, 7.5 Amp, Mini
5		121413A1		2	FUSE, 15 Amp, Mini
6		87655334		4	RELAY
7		87301687		2	SCREW, Hex Wash Hd, #10-32 x 1/2"
8		231-24409		2	LOCK NUT, #10-32
9		347706A3		1	RELAY
10		389487A1		1	LIGHT SWITCH
11		84342262		1	WIRE HARNESS
12		84238043		1	BRACKET
13		84290789		1	DECAL

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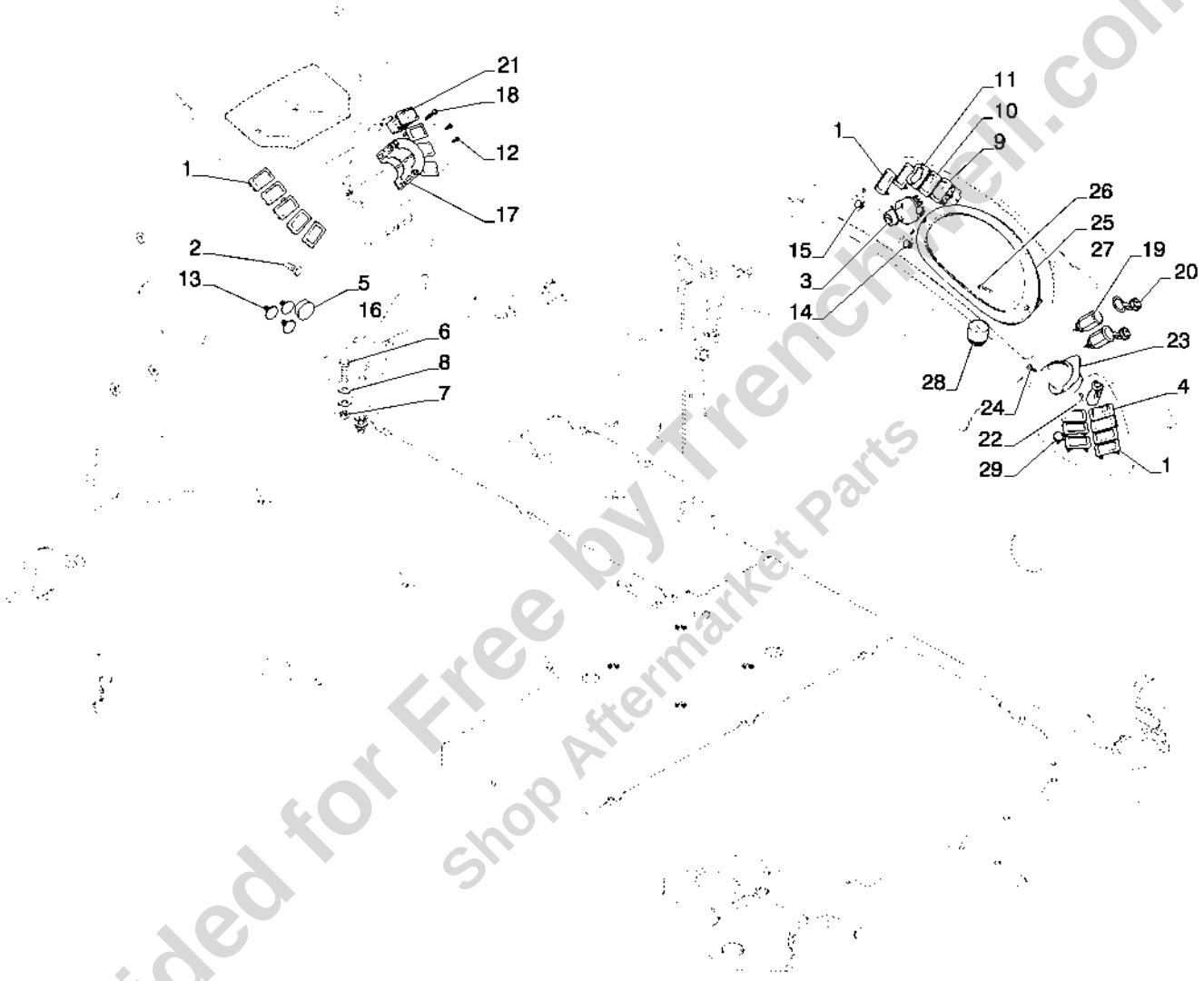
55.512.16	01	p1	11/11

ELECTRICAL - SIDE CONSOLE, S AND H TYPE TRANSMISSION (580SN, 580SN WT, 590SN)



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ELECTRICAL - SIDE CONSOLE, S AND H TYPE TRANSMISSION (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		126844A1		16	PLUG
2		128312A1		1	BOLT
3		282775A1		1	IGNITION SWITCH
4		84228038		1	SWITCH, Rear Work Lights
5		87695421		1	PLASTIC PLUG
6		614-10035		2	BOLT, Hex, M10 x 35, 8.8, Full Thd
7		829-1410		2	NUT, M10, Cl 10
8		87655046		4	SPECIAL WASHER
9		84222272		1	SWITCH, Up-Down
10		84222273		1	SWITCH, Display - Enter
11		87614808		1	SWITCH, SAHR Brake Switch
12		84178909		2	SCREW
13		D143242		3	PLUG
14		397570A1		1	PLUG
15		397569A1		2	PLUG
16		345-158		1	SEALANT
17		366889A2		1	HALF COLLAR
18		397990A1		2	SCREW
19		283779A1		2	POWER SOCKET
20		283781A1		2	CAP
21		84222283		1	SWITCH, Hazards
22		87565604		2	NUT
23		87528964		1	THROTTLE CONTROL
24		87675764		2	SELF-TAP SCREW
25		84268612		1	INSTRUMENT CLUSTER
26		140-119		2	SCREW, Cross Pan Hd, #10-24 x 1 1/4"
27		NS		1	NOT SERVICED, Software
28		87527167		1	HORN
29		84270800		1	SWITCH, Horn
30		84222275		1	RIDE CONTROL/AUTO HITCH LATCH SWITCH, (Not Shown) Between Ref 1 and 11
31		84222287		1	SWITCH, (Not Shown) 4WD (If Used)

580SN WT 580SN
590SN

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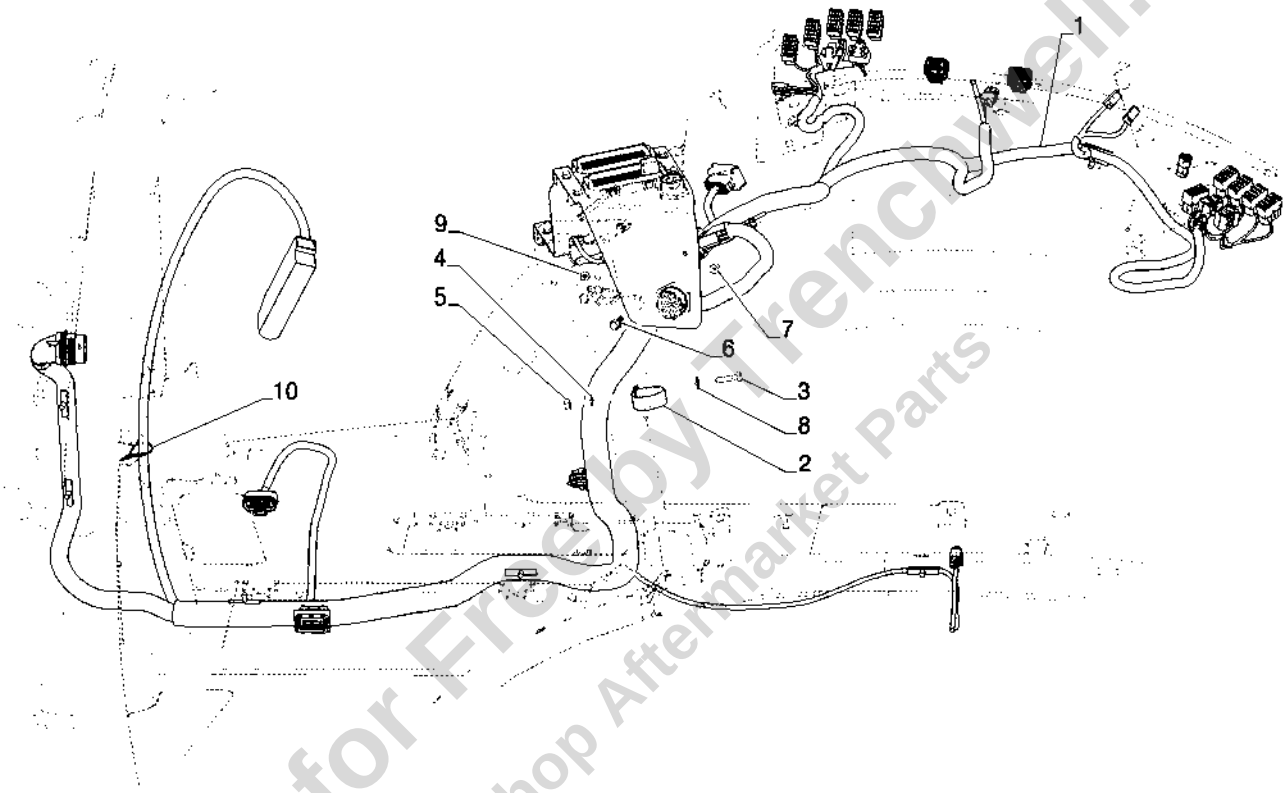
55.512.16	02	p1	11/11

HARNESS INSTALL - SIDE CONSOLE, STANDARD TRANSMISSION



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HARNESS INSTALL - SIDE CONSOLE, STANDARD TRANSMISSION

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84292421		1	WIRE HARNESS
2		515-23444		1	CLAMP, 1 3/4", Insul, 3/8" Bolt
3		614-8030		1	BOLT, Hex, M8 x 30, 8.8
4		892-11008		1	LOCK WASHER, M8
5		824-1408		1	NUT, M8 x 1.25, Cl 10
6		844-6025		2	BOLT, Hex Flg, M6 x 25, 8.8
7		832-10406		2	NUT, M6 x 1, Cl 8
8		87655042		1	SPECIAL WASHER
9		844-10020		1	BOLT, Hex Flg, M10 x 20, 8.8
10		L11541		1	CABLE STRAP

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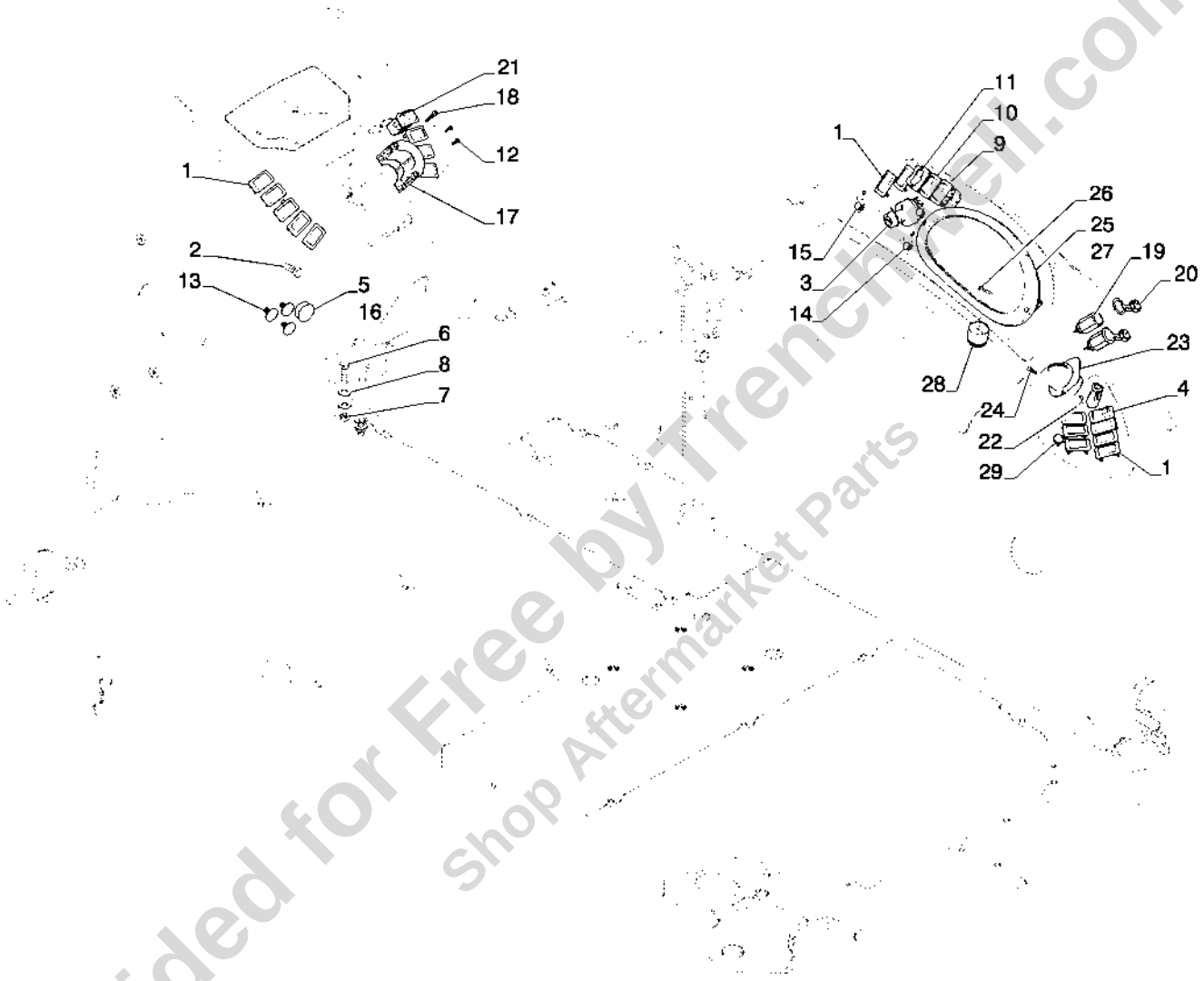
55.512.16	03	p1	01/12

ELECTRICAL - SIDE CONSOLE, STANDARD TRANSMISSION (580N)



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ELECTRICAL - SIDE CONSOLE, STANDARD TRANSMISSION (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		126844A1		16	PLUG
1		84238391		1	SWITCH, (Not Shown) Power Lift (If Used)
2		128312A1		1	BOLT
3		282775A1		1	IGNITION SWITCH
4		84228038		1	SWITCH, Rear Work Lights
5		87695421		1	PLASTIC PLUG
6		614-10035		2	BOLT, Hex, M10 x 35, 8.8, Full Thd
7		829-1410		2	NUT, M10, Cl 10
8		87655046		4	SPECIAL WASHER
9		84222272		1	SWITCH, Up-Down
10		84222273		1	SWITCH, Display - Enter
11		87614808		1	SWITCH, SAHR Brake Switch
12		84178909		2	SCREW
13		D143242		3	PLUG
14		397570A1		1	PLUG
15		397569A1		2	PLUG
16		345-158		1	SEALANT
17		366889A2		1	HALF COLLAR
18		397990A1		2	SCREW
19		283779A1		2	POWER SOCKET
20		283781A1		2	CAP
21		84222283		1	SWITCH, Hazards
22		87565604		2	NUT
23		87528964		1	THROTTLE CONTROL
24		87675764		2	SELF-TAP SCREW
25		87521766		1	MILES INSTRUMENT CLUSTER
26		140-119		2	SCREW, Cross Pan Hd, #10-24 x 1 1/4"
27		NS		1	NOT SERVICED, Software
28		87527167		1	HORN
29		84270800		1	SWITCH, Horn
30		84222275		1	RIDE CONTROL/AUTO HITCH LATCH SWITCH, (Not Shown) Between Ref 1 and 11
31		84222287		1	SWITCH, (Not Shown) 4WD (If Used)

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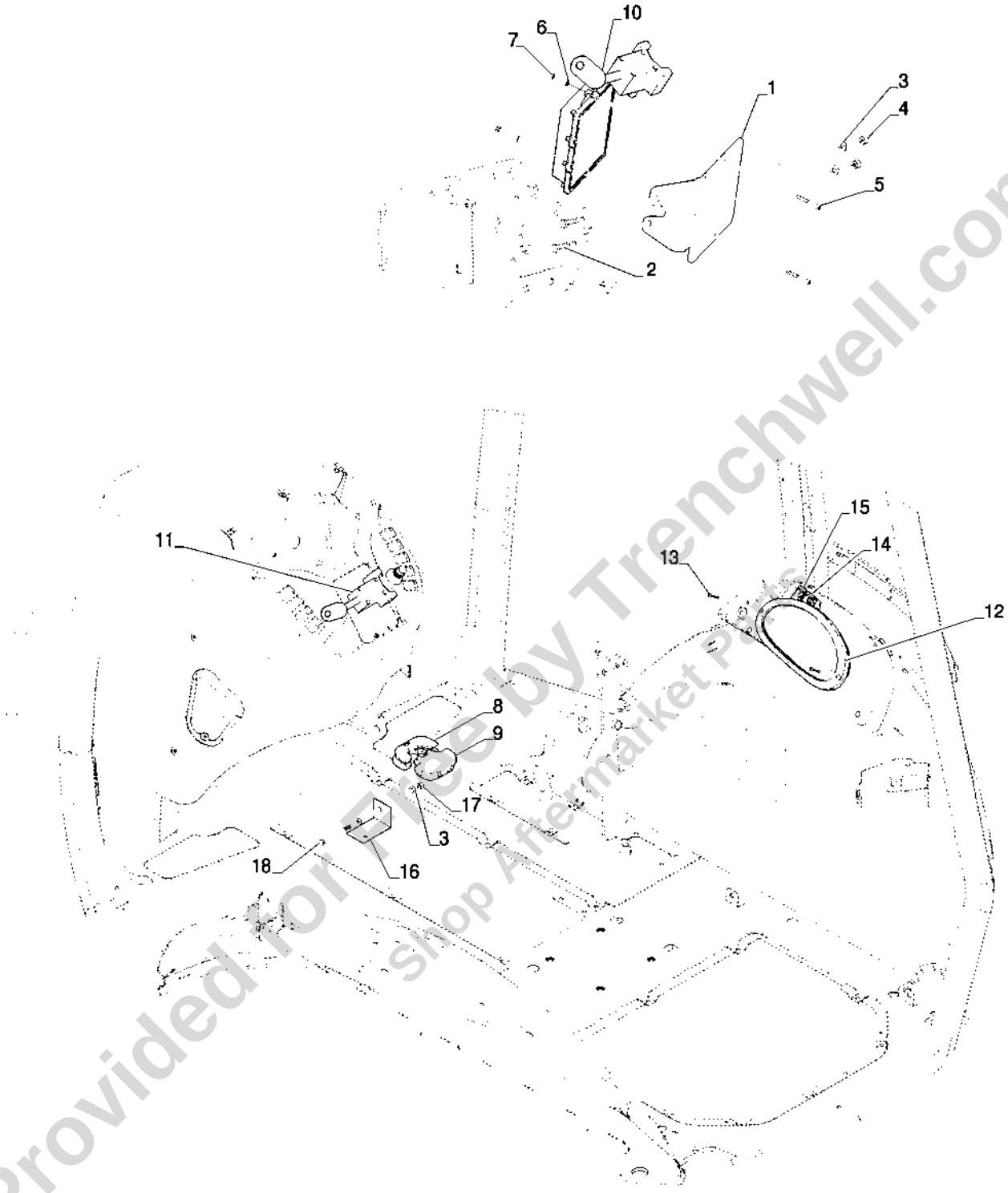
55.512.17	01	p1	03/12

ELECTRICAL - SIDE CONSOLE, S-TYPE TRANSMISSION (580N)



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ELECTRICAL - SIDE CONSOLE, S-TYPE TRANSMISSION (580N)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87644491		1	BRACKET
2		614-8030		2	BOLT, Hex, M8 x 30, 8.8
3		87655042		4	SPECIAL WASHER
4		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
5		864-5040		2	HEX SOC SCREW, Hex Soc Hd, M5 x 40, 8.8
6		895-11005		2	WASHER, M5 x 10 x 1
7		824-1405		2	NUT, M5, Cl 5
8		397443A2		1	SEAL, Shift Lever Hole Plug
9		397493A2		1	SEAL, Shift Lever Hole Plug
10		84278195		1	ELECTRONIC CONTROL UNIT
11		84342285		1	SWITCH, Power Shift
12		84268612		1	INSTRUMENT CLUSTER
13		140-119		2	SCREW, Cross Pan Hd, #10-24 x 1 1/4"
14		84222272		1	SWITCH, Up-Down
15		84222273		1	SWITCH
16		84328358		1	BRACKET
17		412250		1	LOCK NUT, M8 x 1.25, Cl 8
18		86508571		1	BOLT, Hex, M8 x 90, 8.8

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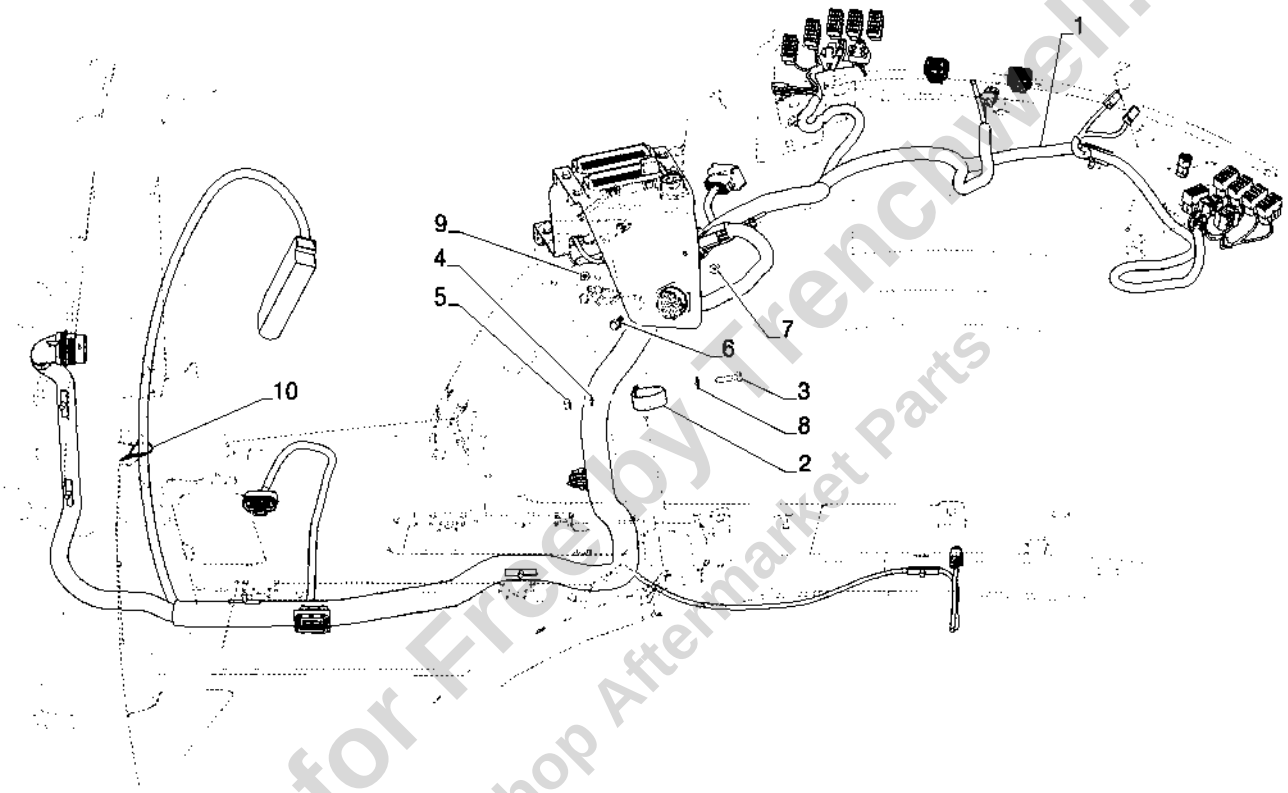
55.512.17	02	p1	11/11

HARNESS INSTALL - SIDE CONSOLE, S AND H TYPE TRANSMISSION



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HARNESS INSTALL - SIDE CONSOLE, S AND H TYPE TRANSMISSION

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84292424		1	WIRE HARNESS
2		515-23444		1	CLAMP, 1 3/4", Insul, 3/8" Bolt
3		614-8030		1	BOLT, Hex, M8 x 30, 8.8
4		892-11008		1	LOCK WASHER, M8
5		824-1408		1	NUT, M8 x 1.25, Cl 10
6		844-6025		2	BOLT, Hex Flg, M6 x 25, 8.8
7		832-10406		2	NUT, M6 x 1, Cl 8
8		87655042		1	SPECIAL WASHER
9		844-10020		1	BOLT, Hex Flg, M10 x 20, 8.8
10		L11541		1	CABLE STRAP

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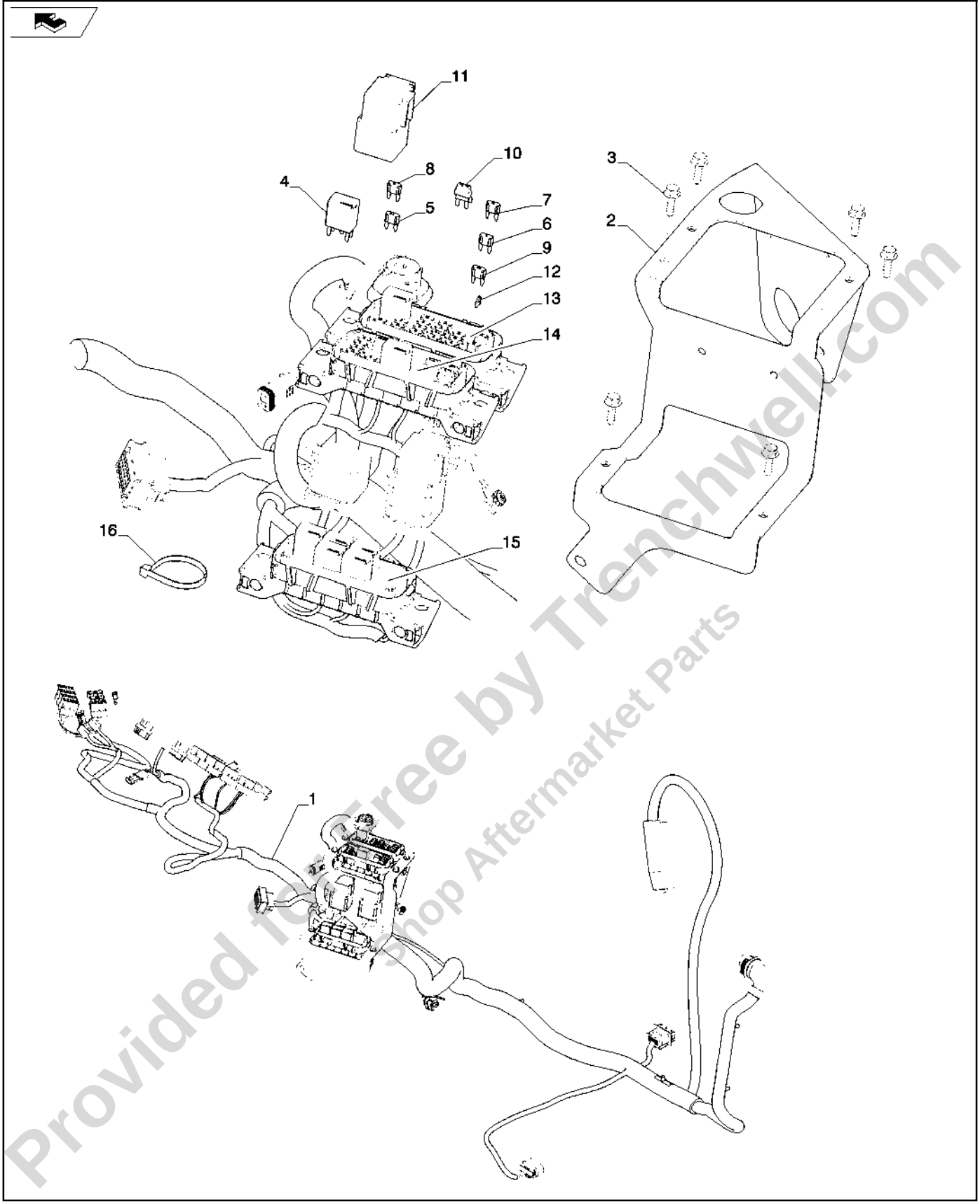
55.512.17	03	p1	04/11

HARNESS - SIDE CONSOLE, S AND H TYPE TRANSMISSION (580SN, 580SN WT, 590SN)



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HARNESS - SIDE CONSOLE, S AND H TYPE TRANSMISSION (580SN, 580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84292424		1	WIRE HARNESS
2		84292270		1	BRACKET
3		845-6020		6	BOLT, Hex Flg, M6 x 20, 8.8, Full Thd
4		87655334		8	RELAY
5		121411A1		2	FUSE, 7.5 Amp, Mini
6		121410A1		13	FUSE, 5 Amp, Mini
7		121413A1		3	FUSE, 15 Amp, Mini
8		121412A1		6	FUSE, 10 Amp, Mini
9		121416A1		3	FUSE, 30 Amp, Mini
10		416569A1		6	DIODE ELEMENT
11		84271717		2	RELAY
12		84292399		6	DIODE
13		84290788		1	DECAL
14		84290785		1	DECAL
15		84290787		1	DECAL
16		L11541		1	CABLE STRAP

580SN WT 580SN
590SN

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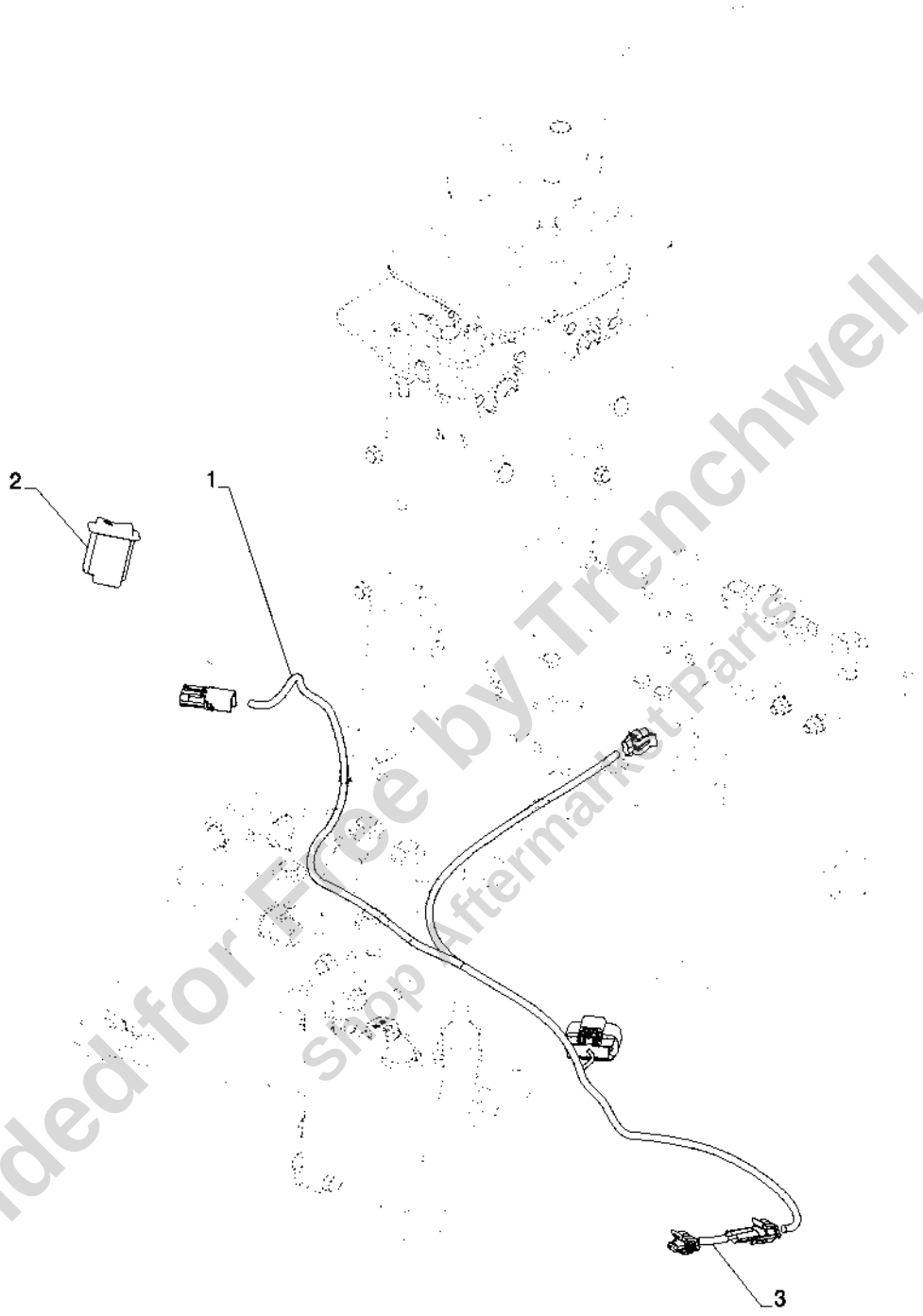
55.512.18		p1	01/11

HARNESS - BACKHOE DUAL AUXILLIARY HYDRAULIC WITH MECHANICAL CONTROLS



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HARNESS - BACKHOE DUAL AUXILLIARY HYDRAULIC WITH MECHANICAL CONTROLS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84292391		1	WIRE HARNESS
2		84241093		1	SWITCH, Bi-Dir / Uni-Dir Selector
3		84386573		1	WIRE HARNESS

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HARNESS - BACKHOE SINGLE AUXILLIARY HYDRAULIC, WITH PILOT CONTROLS

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HARNESS - BACKHOE SINGLE AUXILLIARY HYDRAULIC, WITH PILOT CONTROLS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84292392		1	WIRE HARNESS
2		84386573		1	WIRE HARNESS, Jumper

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HARNESS - BACKHOE DUAL AUXILLIARY HYDRAULIC, WITH PILOT CONTROLS

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HARNESS - BACKHOE DUAL AUXILLIARY HYDRAULIC, WITH PILOT CONTROLS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84292393		1	WIRE HARNESS, Jumper, Hammer or Bi-Dir
2		84241093		1	SWITCH, Bi-Dir Uni-Dir Selector
3		84386573		1	WIRE HARNESS, Rexroth Jumper
4		87423802		1	SWITCH, Pilot ON/OFF Momentary (Not Shown)

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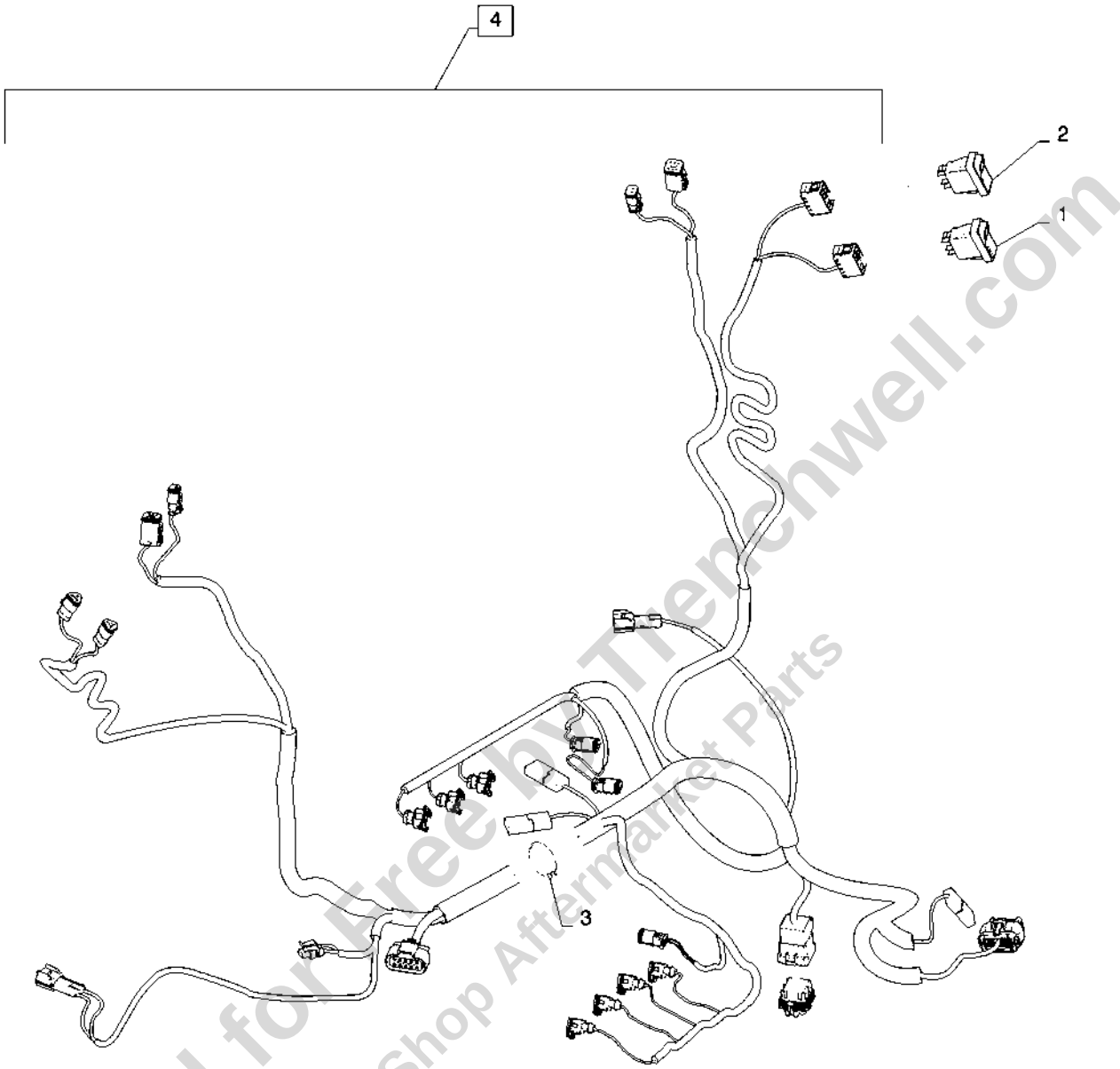
55.512.21		p1	03/11

HARNESS - BACKHOE, WITH PILOT CONTROLS



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HARNESS - BACKHOE, WITH PILOT CONTROLS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87410105		1	TOGGLE SWITCH, Pattern Select
2		87423802		1	SWITCH, On / Off
3		L11541		1	CABLE STRAP
4		84342284		1	HARNESS

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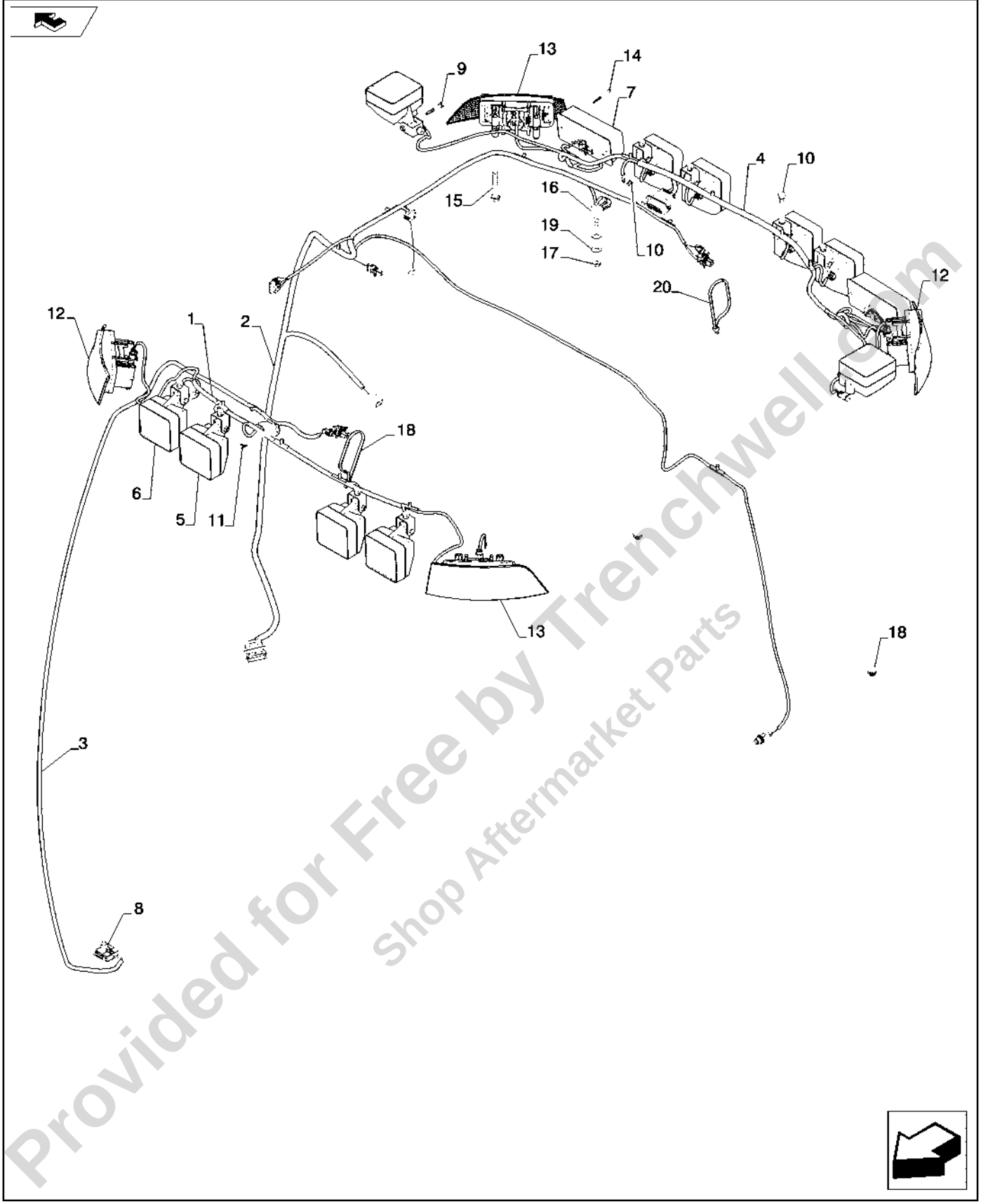
55.514.01		p1	02/12

LAMPS - ROPS CAB



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LAMPS - ROPS CAB

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84292406		1	HARNESS, Front Lights, Driving and Work
2		84292408		1	HARNESS, B-post With Wiper
3		84292405		1	HARNESS, A-post with Wiper
4		84292407		1	HARNESS, Rear Lights
5		87584890		8	LIGHT ASSY., For Replacement Bulb see Ref 21
6		84236850		2	LIGHT, For Replacement Bulb see Ref 21
7		92260C1		2	LAMP
8		87707841		1	CLIP
9		864-10014		2	HEX SOC SCREW, Hex Soc Hd, M10 x 14, 8.8
10		128312A1		10	BOLT
11		280-14512		4	SELF-TAP SCREW, Hex Wash Hd, #10 x 3/4"
12		87301973		2	FLASHER LAMP
13		87301972		2	FLASHER LAMP
14		440-11036		4	SCREW, Cross Pan Hd, #10-24 x 2 1/4"
15		43118		8	BOLT, Hex, M6 x 40, 8.8
16		A187714		1	SWITCH
17		425-157		1	NUT, Jam, 7/16"-20, G5
18		382298A1		2	PLUG
19		87655046		2	SPECIAL WASHER
20		L18331		2	CABLE STRAP
21		1312210C2		1	BULB
		279265A2		1	SWITCH, Dome Light (Not Shown)

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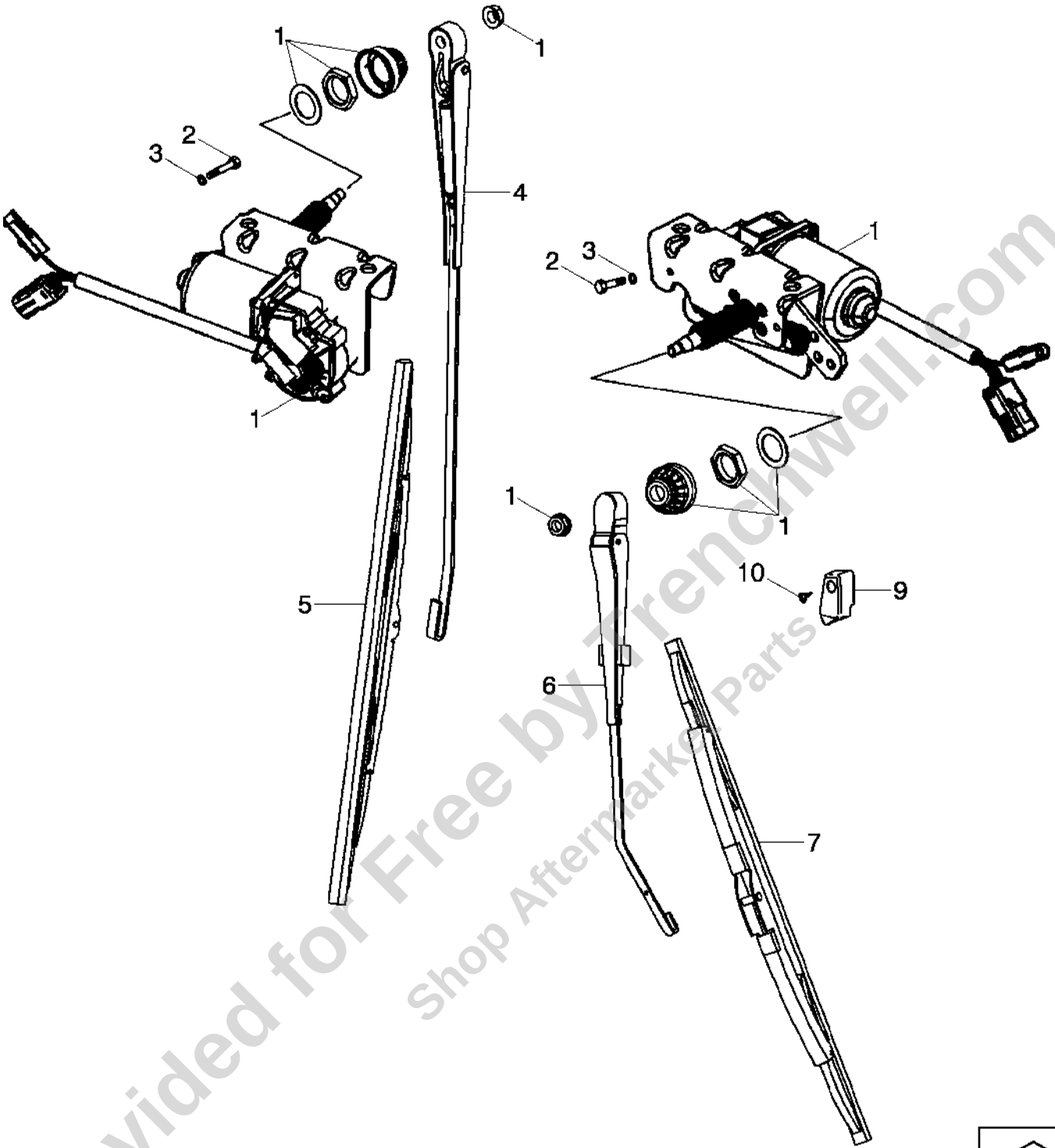
55.518.06		p1	03/11

CAB - WIPERS



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CAB - WIPERS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87669381		2	WIPER MOTOR, 12V
		404617A1		1	WIRE HARNESS, Front Lamps and Wiper
		84168581		1	WIRE HARNESS, Cab, B-Post, Rear Wiper, Radio, Blower, Dome Lamp; Replaces 396018A3
		84222278		1	SWITCH, Rear
		84222277		1	SWITCH, Front
		A187714		1	SWITCH, Rear Wiper Cutout
		495-11047		2	WASHER, 7/16", SAE
		425-147		1	NUT, Jam, 7/16"-14, G5
2		814-6050		4	BOLT, Hex, M6 x 50, 8.8
3		892-11006		4	LOCK WASHER, M6
4		87669391		1	WIPER ARM, Front
5		87669761		1	WIPER BLADE, Front
6		87669712		1	WIPER ARM, Rear
7		87669401		1	WIPER BLADE, Rear
9		395026A1		1	RAMP, Block
10		395389A1		1	SCREW, M6

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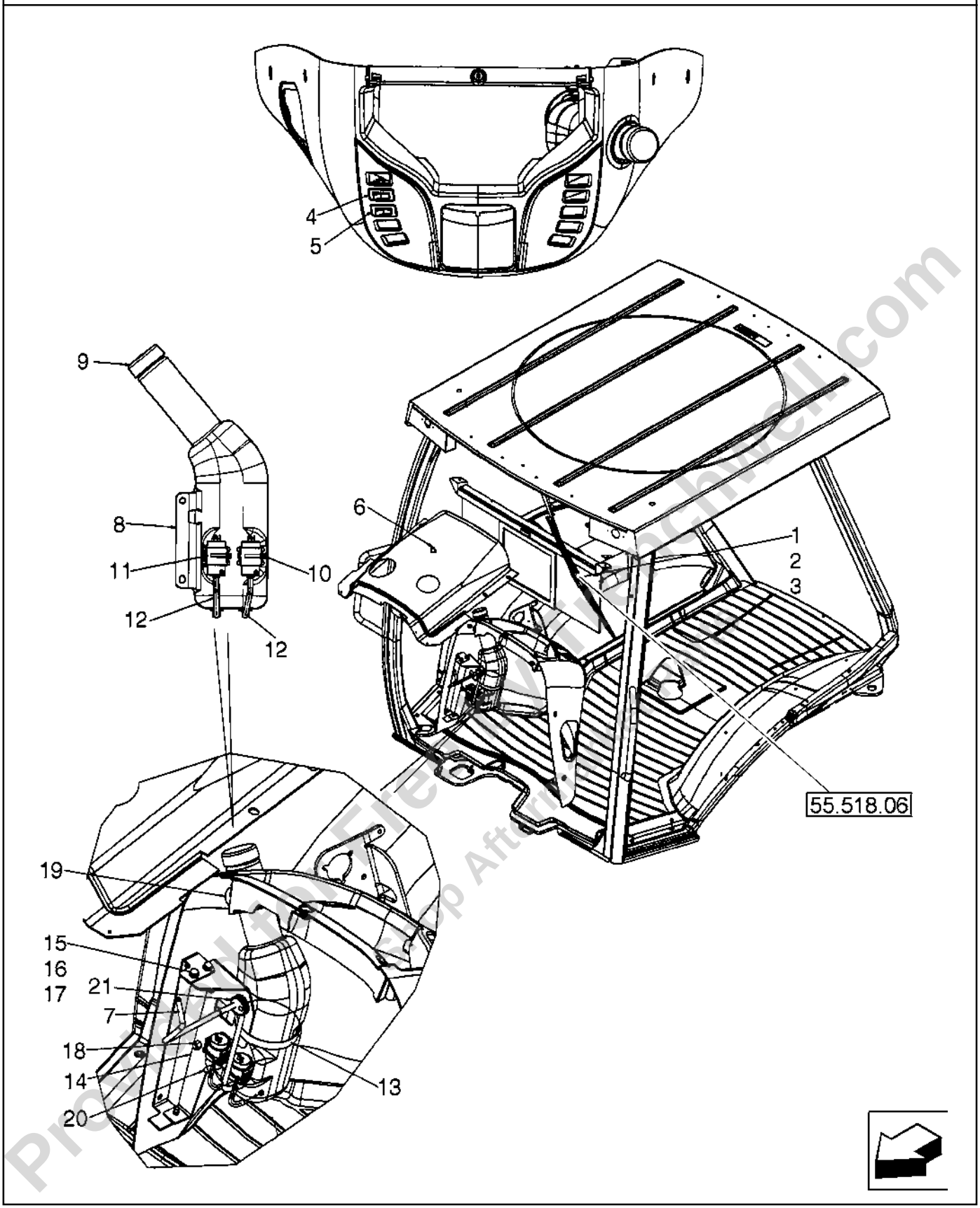
55.518.07		p1	04/11

CANOPY, ROPS - WIPER, FRONT AND WINDSHIELD WASHER



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CANOPY, ROPS - WIPER, FRONT AND WINDSHIELD WASHER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87669381		1	WIPER MOTOR, 12V
		814-6050		2	BOLT, Hex, M6 x 50, 8.8, Wiper Motor Mounting
		892-11006		2	LOCK WASHER, M6
2		87669391		1	WIPER ARM
3		87669761		1	WIPER BLADE, 600 mm
4		386785A1		1	WINDSHIELD WIPER SWITCH, Front
5		386787A1		1	WINDSHIELD WASHER SWITCH
6		E43769		1	SPRAY, NOZZLE; Front; Includes Rubber Gasket; Plastic
7		87699640		1	HOSE WASHER, 3.56 mm ID, 4.37 mm ID x 700.00 mm, SAE J1037, Cut From 87282056
8		87675208		1	WINDSHIELD WASH RESERVOIR
9		87711985		1	FILLER CAP, Washer Bottle
10		L11541		2	CABLE STRAP
11		86507198		2	WASHER PUMP, Window
12		87700794		2	HOSE WASHER, 4.76 mm ID x 135.00 mm, Bottle
13		214-3180		1	HOSE CLAMP, 4.25/5.125 HD Worm
14		87491347		2	BRACKET, Replaces 87676276
15		614-8020		5	BOLT, Hex, M8 x 20, 8.8
16		895-11008		5	WASHER, M8 x 16 x 1.6
17		833-40408		3	NUT, M8, U
18		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
19		87748047		1	RUBBER SEAL
20		87441758		1	CAP, Reservoir
21		87637384		1	GROMMET, Washer Hose
		404617A1		1	WIRE HARNESS, Front Lamps and Wiper
		87726574		1	WIRE HARNESS, Front Console Options; Includes (1) L71879 Diode
		87726573		1	WIRE HARNESS, Chassis Options; Includes (4) L71879 Diodes; Not Illustrated

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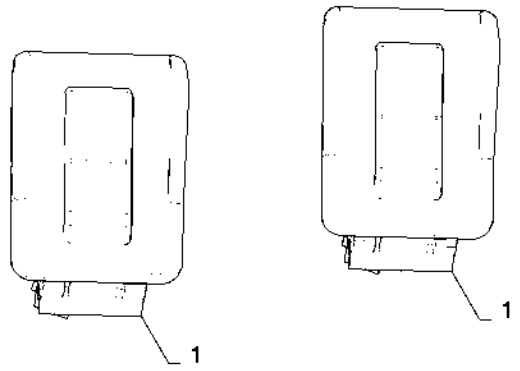
55.524.01		p1	02/12

BACKHOE HYDRAULIC COUPLER CONTROL SWITCHES



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BACKHOE HYDRAULIC COUPLER CONTROL SWITCHES

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		386789A2		2	SWITCH, Quick Coupler

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82.100.02	01	BUCKET, LOADER 4-IN-1 (82 IN)

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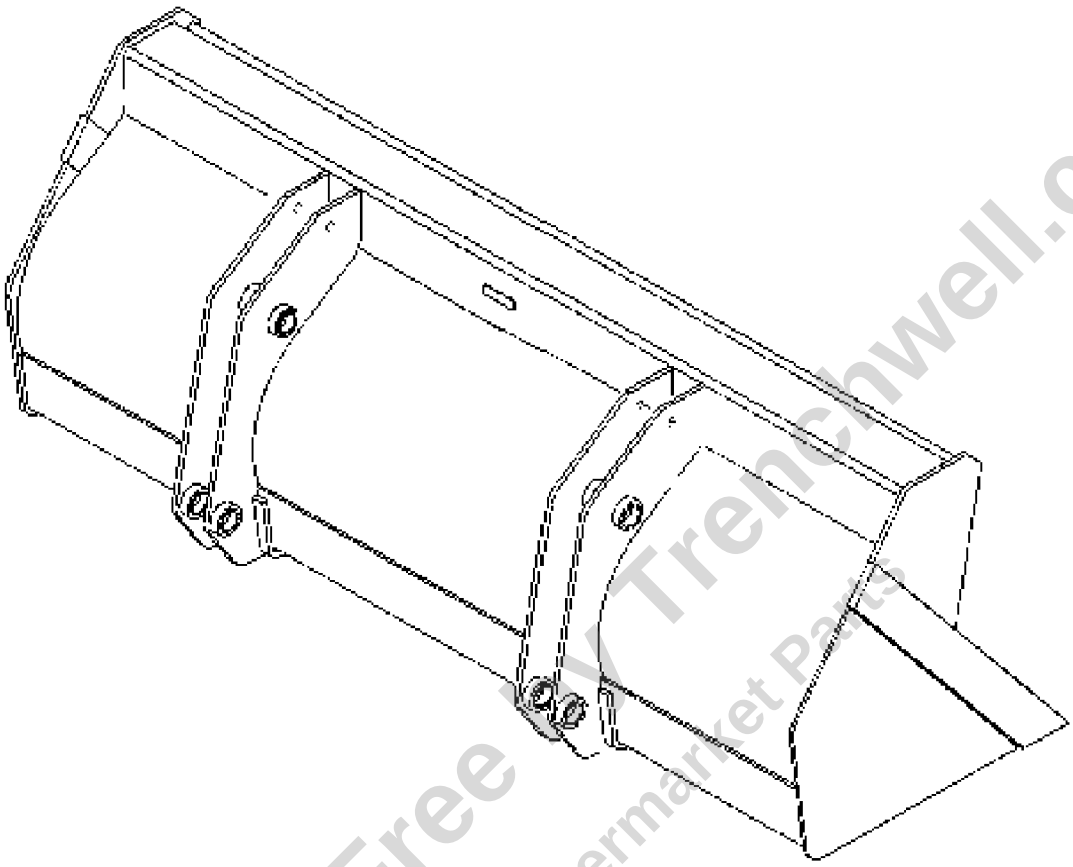
PICTORIAL INDEX - FRONT LOADER



82.100.01(01)

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PICTORIAL INDEX - FRONT LOADER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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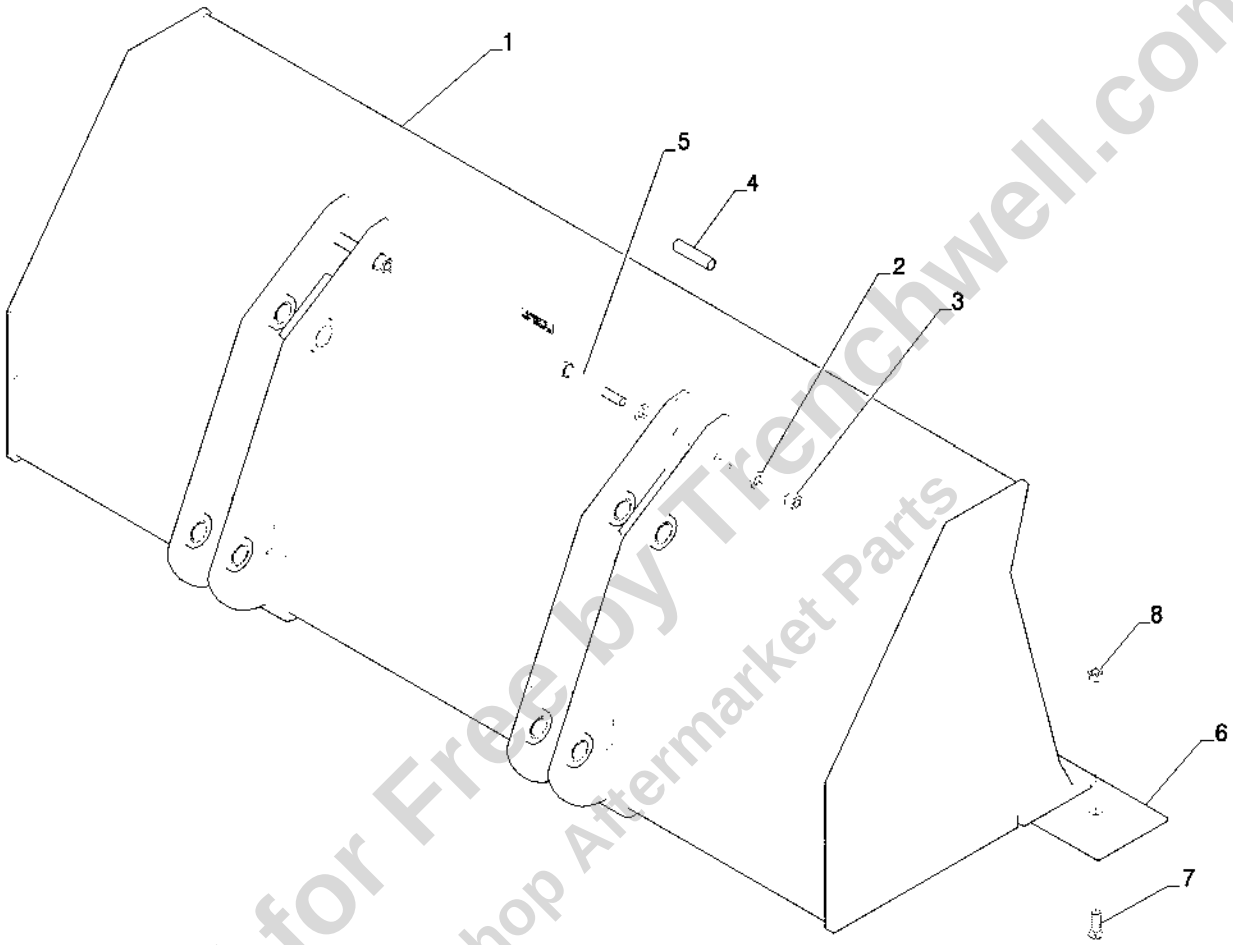
BUCKET, LOADER LONG LIP (93 IN)



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BUCKET, LOADER LONG LIP (93 IN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84235066		1	BUCKET
2		86625260		4	WASHER, M20 x 37.5 x 4, HT
3		412180		2	LOCK NUT, M20 x 2.5, Cl 8
4		84235628		2	SPACER
5		84334022		2	SCREW, Hex, M20 x 180, 10.9
6		185506A1		1	CUTTING EDGE, Replaces 87375240 Unpainted Cutting Edge
7		20-21232		10	PLOW BOLT, 3/4"-10 x 2", G8, Full Thd
8		29-1012		10	NUT, 3/4"-10, G8
9		D129264		8	BUSHING, Not Shown

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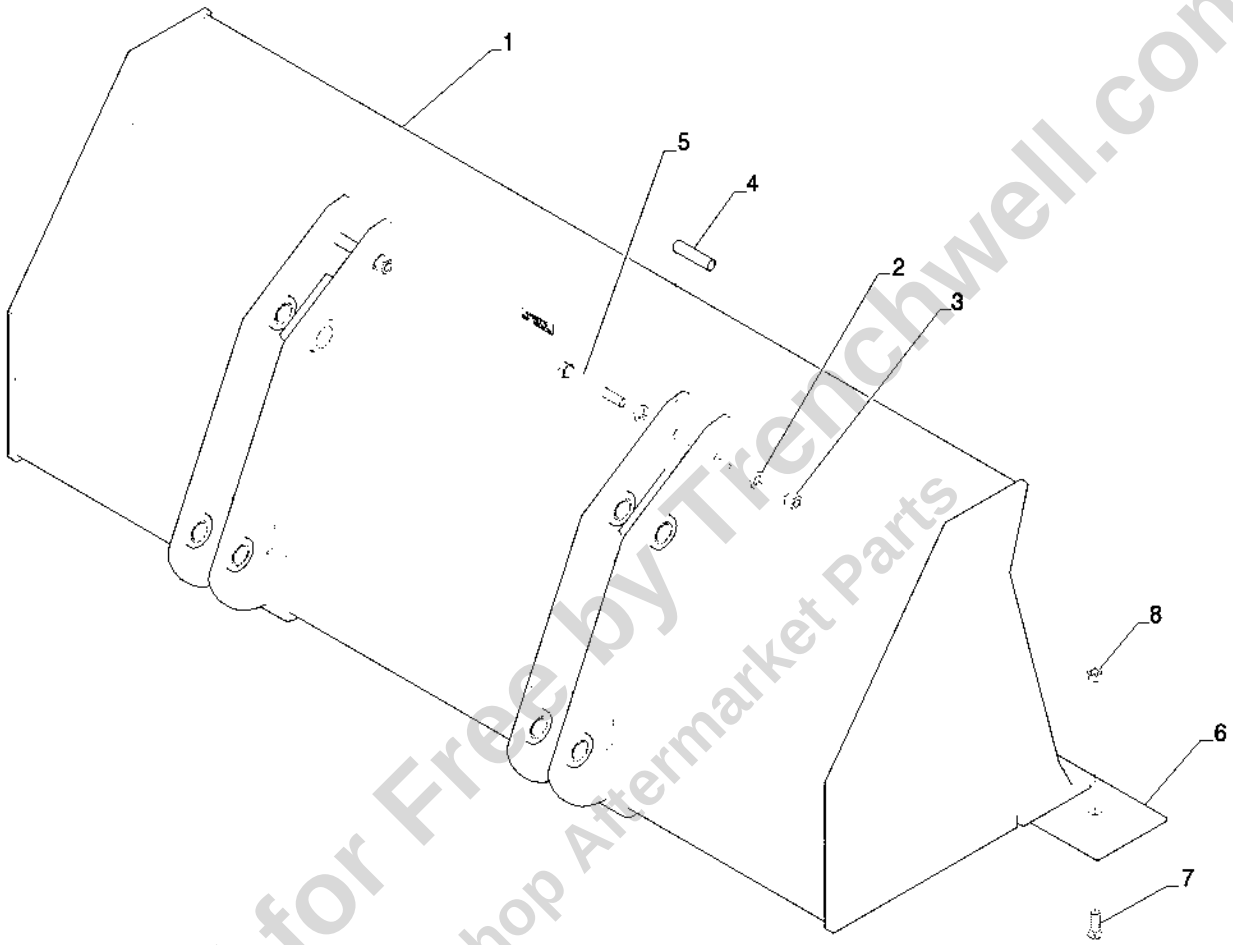
82.100.01	02	p1	08/10

BUCKET, LOADER LONG LIP (96 IN)



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BUCKET, LOADER LONG LIP (96 IN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84189277		1	BUCKET
2		896-11020		4	WASHER, M20 x 37.5 x 4, HT
3		832-10420		2	LOCK NUT, M20 x 2.5, Cl 8
4		84235628		2	SPACER
5		828-20160		2	BOLT, Hex, M20 x 160, 10.9
6		87375241		1	EDGE
7		420-21236		10	CARRIAGE BOLT, 3/4"-10 x 2 1/4", G8
8		429-1012		10	NUT, 3/4"-10, G8

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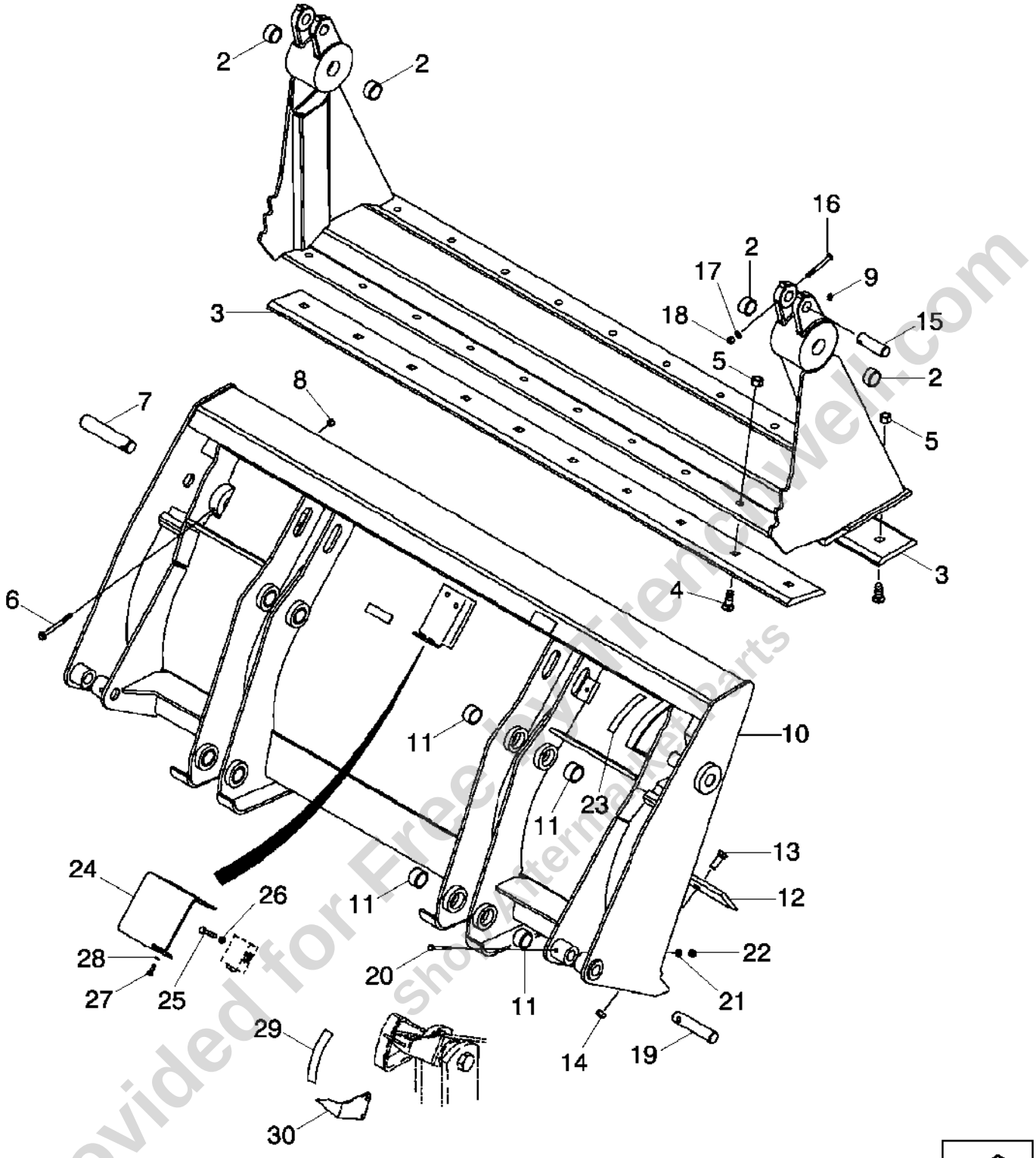
BUCKET, LOADER 4-IN-1 (82 IN)



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BUCKET, LOADER 4-IN-1 (82 IN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		87455509		1	BUCKET, 2083 mm (82 in); With Hydraulics; Includes 376288A2 Bucket Assembly, Ref 1 - 28, Ref 1 - 29; Order Through Parts Marketing
		NSS		1	NOT SERVICED SEPARATELY, BUCKET ASSEMBLY 376288A2; 2083 mm (82 in); Without Hydraulics; Includes 411668A1 Bucket and (2) Ref 7 Pins; Order Through Parts Marketing
		411668A1		1	BUCKET, 2083 mm (82 in; Without Hydraulics; Incl. Ref 1 - 6, 8 - 14
		175156A1		1	CLAMSHELL BUCKET, Incl Ref 1, 2
1		NSS		1	NOT SERVICED SEPARATELY, CLAM ASSY
2		D31140		4	BUSHING
3		142300A1		2	CUTTING EDGE
4		20-21232		20	PLOW BOLT, 3/4"-10 x 2", G8, Full Thd
5		29-1012		20	NUT, 3/4"-10, G8
6		844-10110		2	BOLT, Hex Flg, M10 x 110, 8.8
7		D51391		2	PIN
8		832-10410		2	LOCK NUT, M10 x 1.5, Cl 8
9		219-1		2	LUBE NIPPLE, 1/8"-27 x .66 lg
		376286A2		1	BUCKET, BLADE, Incl. Ref 10, 11
10		NSS		1	NOT SERVICED SEPARATELY, BLADE ASSY Dozer
11		D129264		8	BUSHING
12		121920A1		1	CUTTING EDGE
13		20-21032		10	PLOW BOLT, 5/8"-11 x 2", G8, Full Thd
14		29-1010		10	NUT, 5/8"-11, G8
15		D51392		2	PIN
16		814-10090		2	BOLT, Hex, M10 x 90, 8.8
17		895-11010		2	WASHER, M10 x 20 x 2, 11 x 21 x 2 mm
18		832-10410		2	LOCK NUT, M10 x 1.5, Cl 8
19		D51393		2	PIN
20		814-10080		2	BOLT, Hex, M10 x 80, 8.8
21		895-11010		2	WASHER, M10 x 20 x 2, 11 x 21 x 2 mm
22		832-10410		2	LOCK NUT, M10 x 1.5, Cl 8
23		321-1708		1	DECAL

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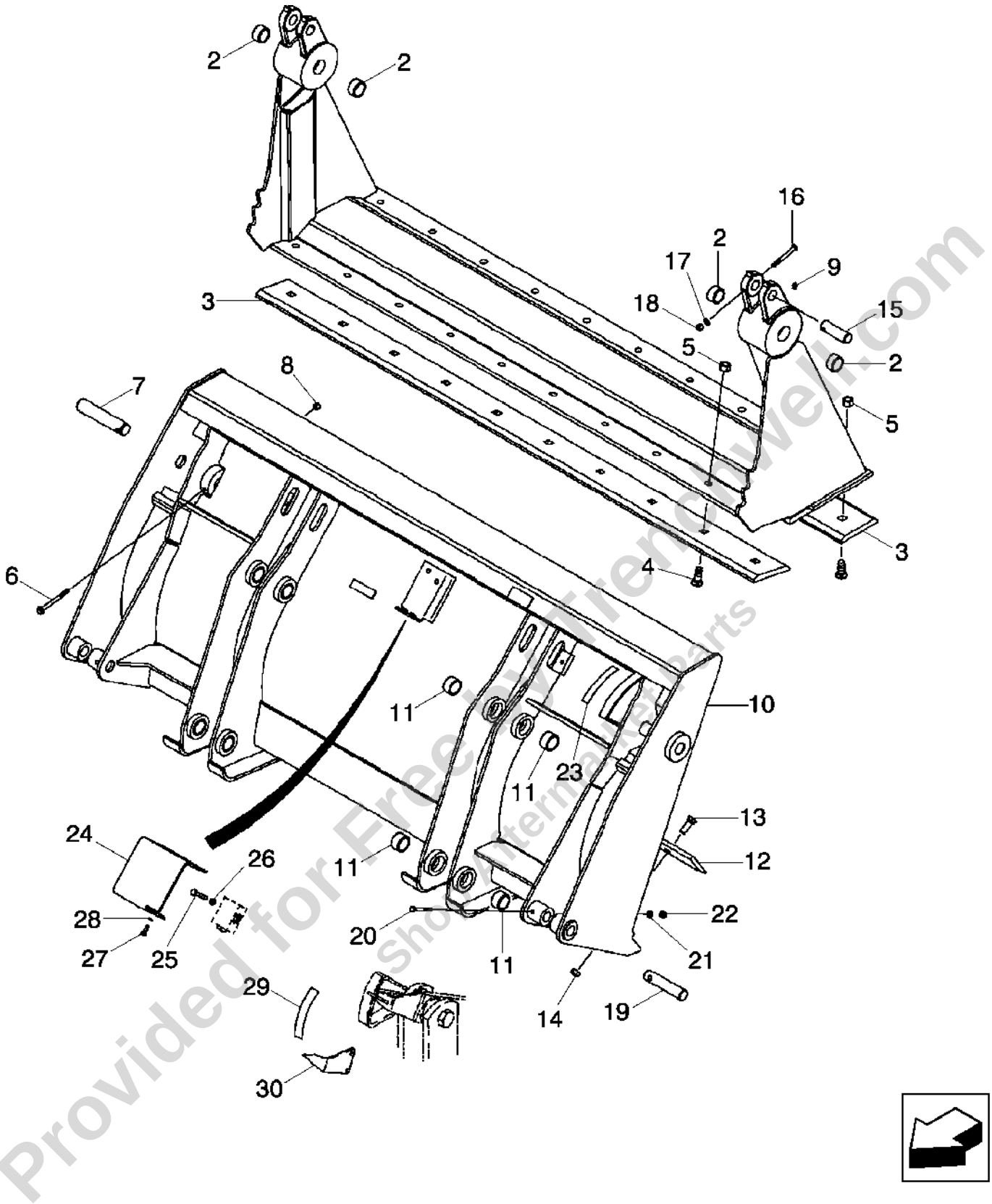
BUCKET, LOADER 4-IN-1 (82 IN)



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BUCKET, LOADER 4-IN-1 (82 IN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
24		388848A1		1	GUARD, Pilot Operated Check Valve
25		814-10060		2	BOLT, Hex, M10 x 60, 8.8
26		892-11010		2	LOCK WASHER, M10
27		614-8025		2	BOLT, Hex, M8 x 25, 8.8
28		892-11008		2	LOCK WASHER, M8
29		321-1707		1	DECAL
30		250851A1		1	POINTER

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84.100.01	03	BUCKET, BACKHOE (457 MM (18 INCH) WIDE)
84.100.01	04	BUCKET, BACKHOE (610 MM (24 INCH) / 762 MM (30 INCH) WIDE)
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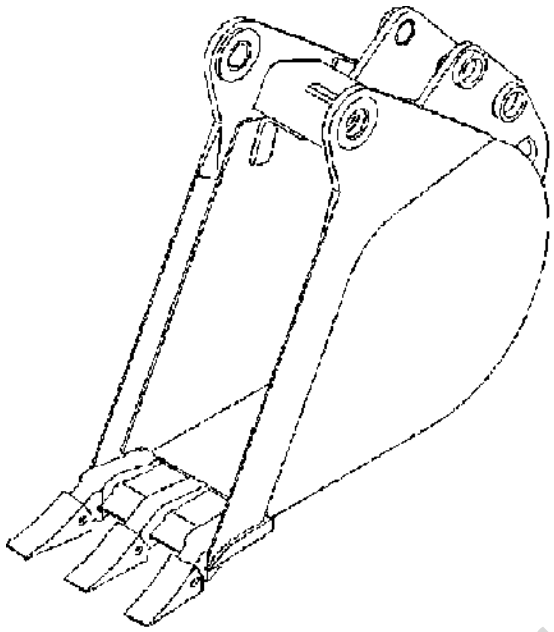

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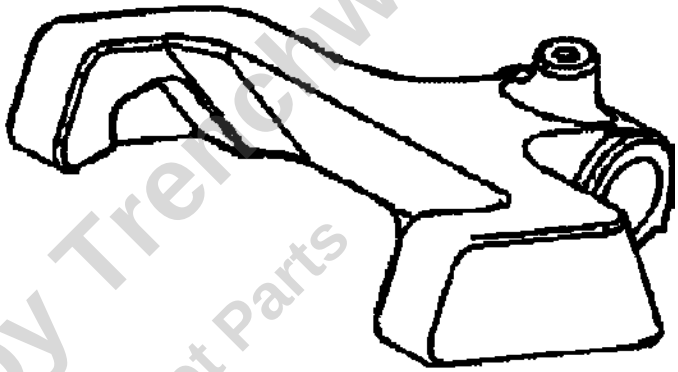

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PICTORIAL INDEX - BACKHOE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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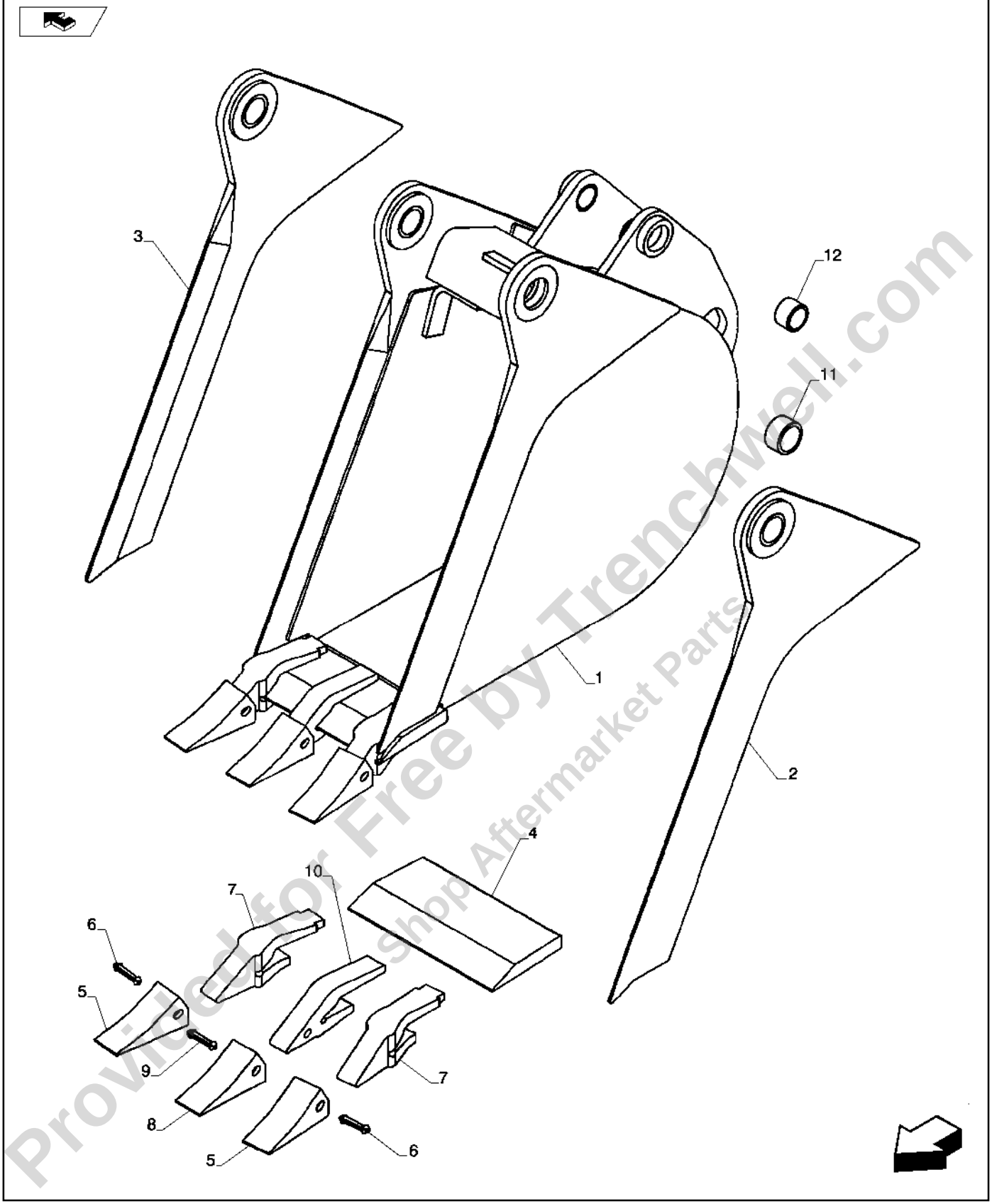
BUCKET, BACKHOE (305 MM (12 INCH) WIDE)



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BUCKET, BACKHOE (305 MM (12 INCH) WIDE)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84228955		1	BUCKET
2		NSS		1	NOT SERVICED SEPARATELY
3		NSS		1	NOT SERVICED SEPARATELY
4		D147409		1	EDGE, CUTTING
		D139851		2	BUCKET TOOTH, Outer; Inc. Ref 5 - 7
5		D51750		1	BUCKET TOOTH POINT
6		245466A1		1	RETAINER
7		D138157		1	SHANK
		D139849		1	BUCKET TOOTH, Center; Inc. Ref 8 - 10; Order Ref 8 - 10
8		D51750		1	BUCKET TOOTH POINT
9		245466A1		1	RETAINER
10		D48212		1	SHANK
11		84244078		2	BUSHING
12		84244076		2	BUSHING

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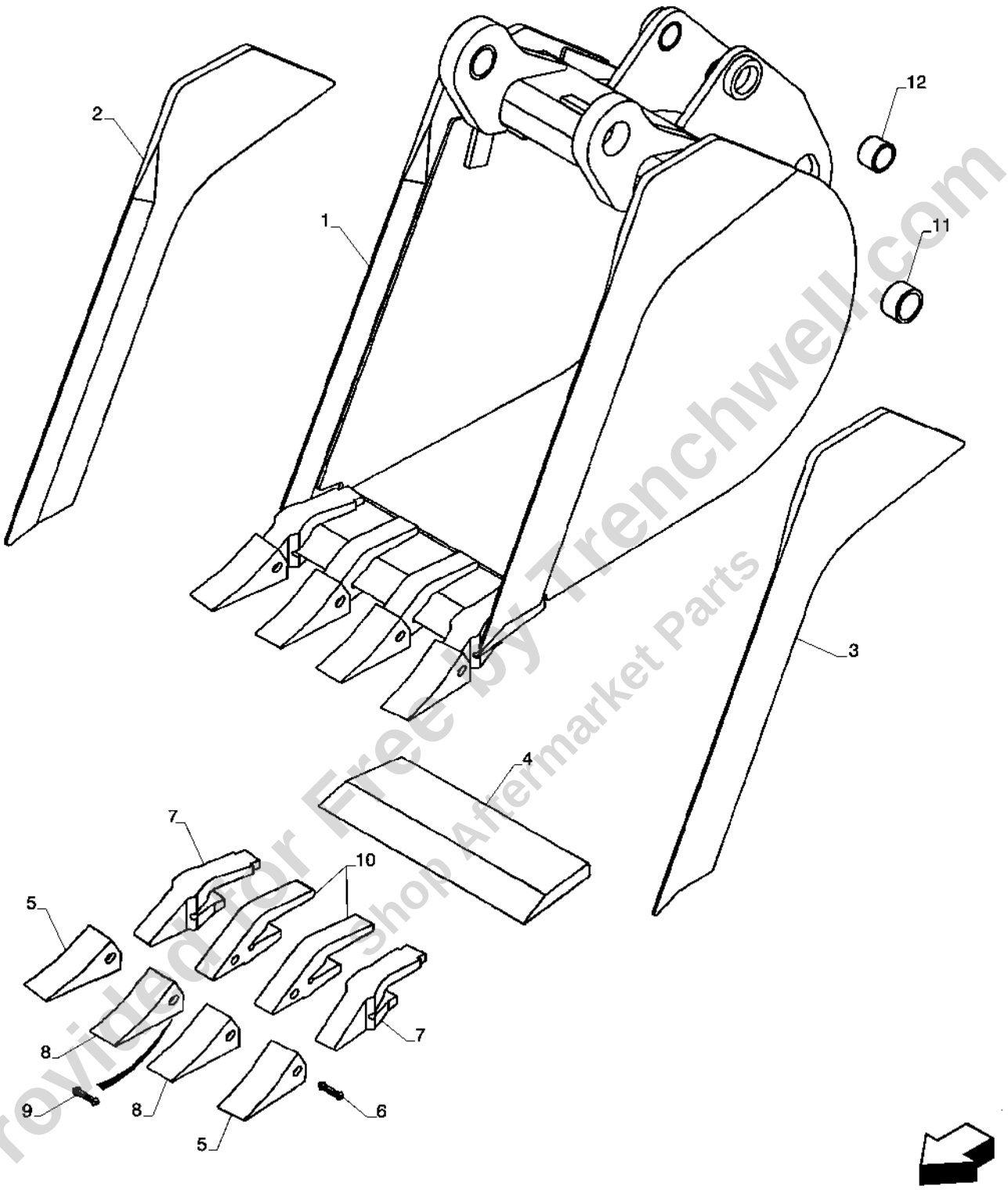
BUCKET, BACKHOE (457 MM (18 INCH) WIDE)



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BUCKET, BACKHOE (457 MM (18 INCH) WIDE)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84228960		1	BUCKET, 457 mm (18 in), With 4 Teeth; Order Through Parts Marketing; Inc. Ref 2 - 12
2		NSS		1	NOT SERVICED SEPARATELY, EDGE Right-Hand
3		NSS		1	NOT SERVICED SEPARATELY, EDGE Left-Hand
4		NSS		1	NOT SERVICED SEPARATELY, EDGE
		D139851		2	BUCKET TOOTH, Outer; Inc. Ref 5 - 7
5		D51750		1	BUCKET TOOTH POINT
6		245466A1		1	RETAINER
7		D138157		1	SHANK
		D139849		2	BUCKET TOOTH, Center; Inc. Ref 8 - 10; Order Ref 8 - 10
8		D51750		1	BUCKET TOOTH POINT
9		245466A1		1	RETAINER
10		D48212		1	SHANK
11		84244076		2	BUSHING
12		84244078		2	BUSHING

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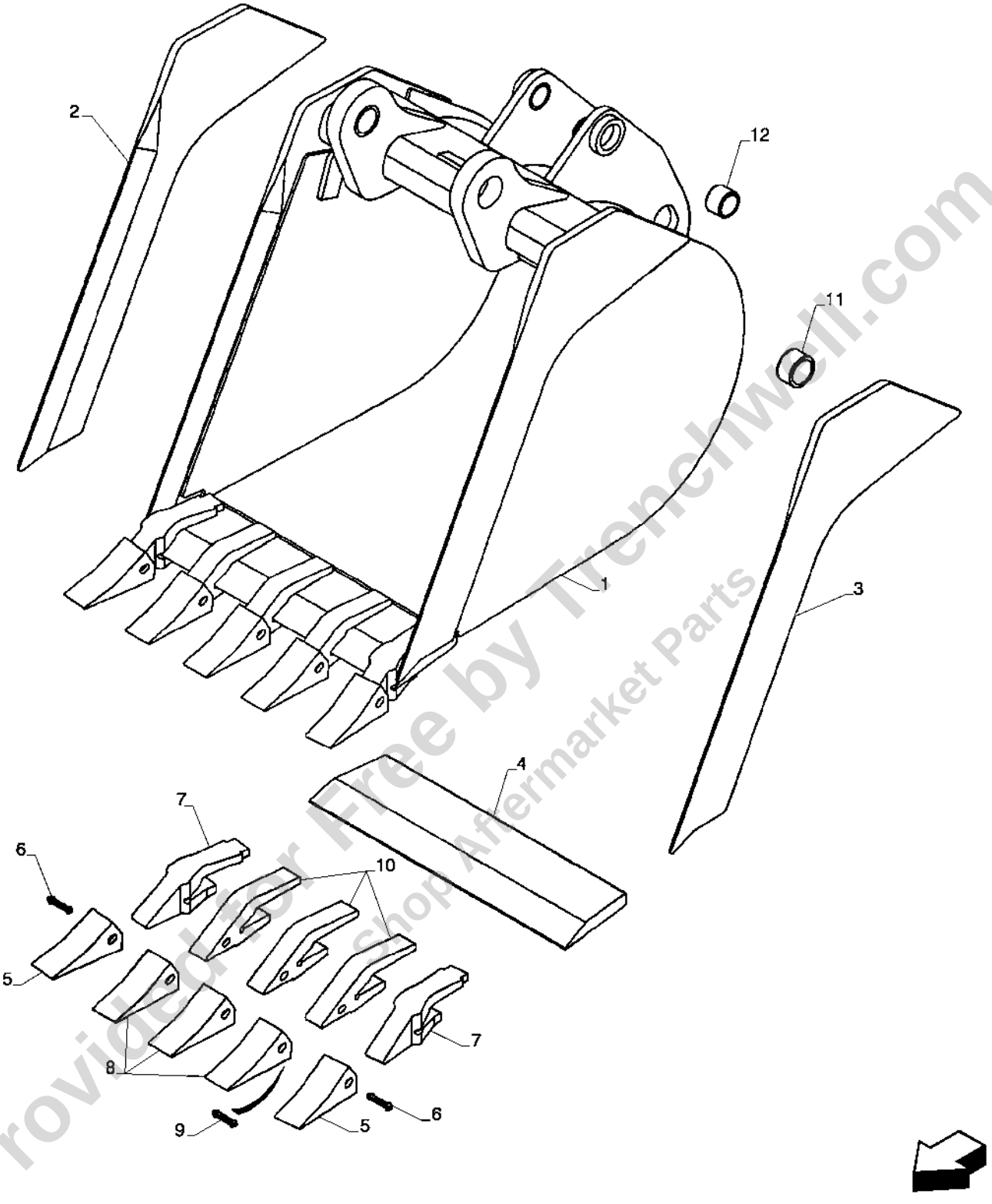
BUCKET, BACKHOE (610 MM (24 INCH) / 762 MM (30 INCH) WIDE)



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BUCKET, BACKHOE (610 MM (24 INCH) / 762 MM (30 INCH) WIDE)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84228962		1	BUCKET, 610 mm (24 in), With 5 Teeth, Inc 2 - 12
2		NSS		1	NOT SERVICED SEPARATELY, EDGE Right-Hand
3		NSS		1	NOT SERVICED SEPARATELY, EDGE Left-Hand
4		NSS		1	NOT SERVICED SEPARATELY, EDGE
		D139851		2	BUCKET TOOTH, Outer; Inc 5 - 7
5		D51750		1	BUCKET TOOTH POINT
6		245466A1		1	RETAINER
7		D138157		1	SHANK
		D139849		3	BUCKET TOOTH, Center; Inc 8 - 10
8		D51750		1	BUCKET TOOTH POINT
9		245466A1		1	RETAINER
10		D48212		1	SHANK
11		84244076		2	BUSHING
12		84244078		2	BUSHING
		REF			INSTRUCTION, 610 mm (24 Inch) and 762 mm (30 Inch) Wide
1		84228964		1	BUCKET, 762 mm (30 in), With 6 Teeth, Inc 2 - 12 (Not Shown)
2		NSS		1	NOT SERVICED SEPARATELY, EDGE Right-Hand
3		NSS		1	NOT SERVICED SEPARATELY, EDGE Left-Hand
4		NSS		1	NOT SERVICED SEPARATELY, EDGE
		D139851		2	BUCKET TOOTH, Outer; Inc 5 - 7
5		D51750		1	BUCKET TOOTH POINT
6		245466A1		1	RETAINER
7		D138157		1	SHANK
		D139849		4	BUCKET TOOTH, Center; Incl. Ref 8 - 10; Order Ref 8 - 10
8		D51750		1	BUCKET TOOTH POINT
9		245466A1		1	RETAINER
10		D48212		1	SHANK
11		D37495		2	BUSHING
12		D30933		4	BUSHING

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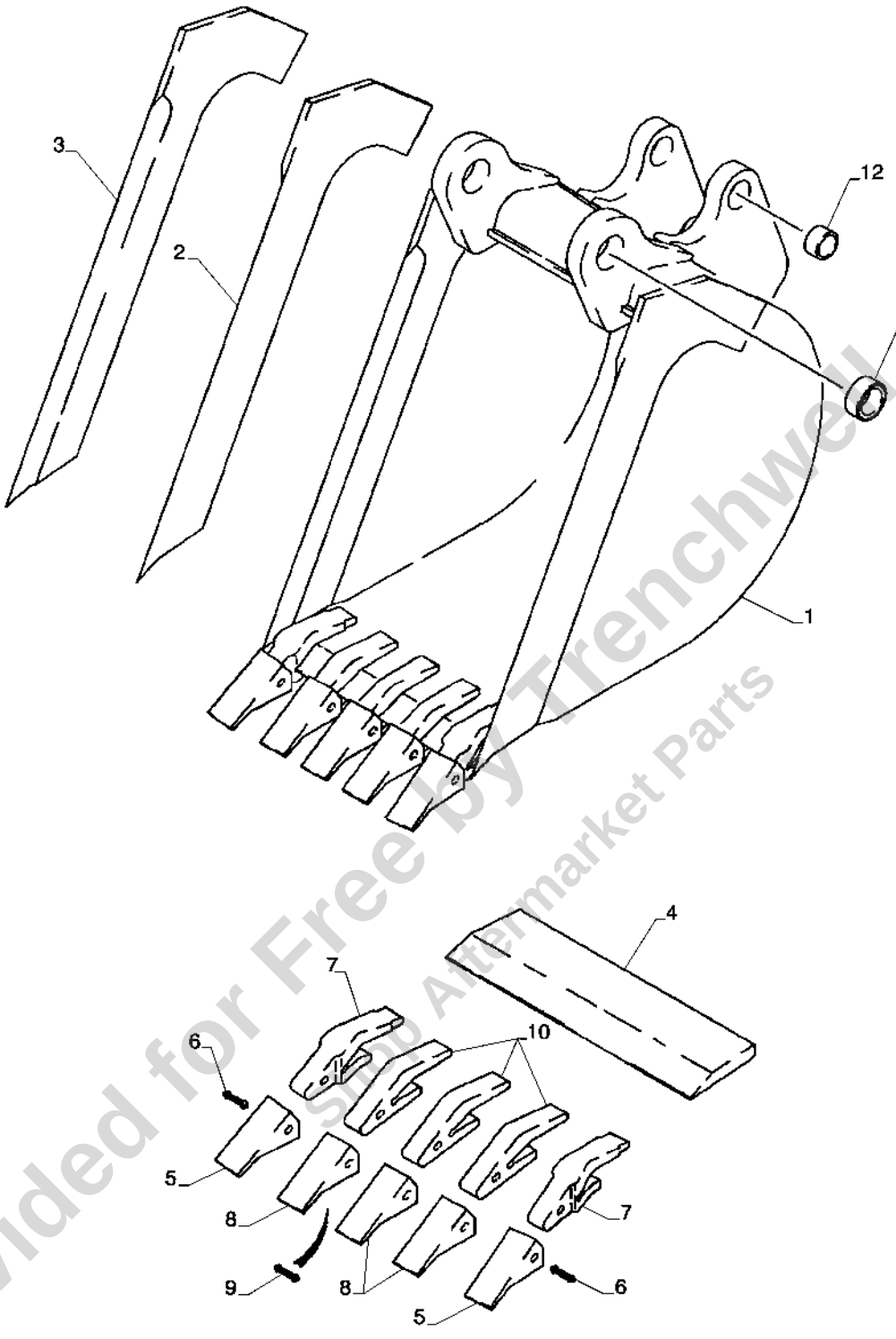
BUCKET, BACKHOE- HIGH CAPACITY (610 MM (24 INCH) / 762 MM (30 INCH) WIDE)



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BUCKET, BACKHOE- HIGH CAPACITY (610 MM (24 INCH) / 762 MM (30 INCH) WIDE)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84228967		1	BUCKET, 610 mm (24 in), With 5 Teeth; Inc 2 - 12
2		141234A1		1	EDGE, CUTTING, Right-Hand
3		141233A1		1	EDGE, CUTTING, Left-Hand
4		D142012		1	EDGE, CUTTING
		D139851		2	BUCKET TOOTH, Outer; Inc 5 - 7
5		D51750		1	BUCKET TOOTH POINT
6		245466A1		1	RETAINER
7		D138157		1	SHANK
		D139849		3	BUCKET TOOTH, Center; Inc 8 - 10
8		D51750		1	BUCKET TOOTH POINT
9		245466A1		1	RETAINER
10		D48212		1	SHANK
11		84244076		2	BUSHING
12		84244078		2	BUSHING
1		84228964		1	BUCKET, 762 mm (30 in), With 5 Teeth; Inc 2 - 12 (Not Shown)
2		141234A1		1	EDGE, CUTTING, Right-Hand
3		141233A1		1	EDGE, CUTTING, Left-Hand
4		D145061		1	EDGE, CUTTING
		D139851		2	BUCKET TOOTH, Outer; Inc 5 - 7
5		D51750		1	BUCKET TOOTH POINT
6		245466A1		1	RETAINER
7		D138157		1	SHANK
		D139849		3	BUCKET TOOTH, Center; Inc 8 - 10
8		D51750		1	BUCKET TOOTH POINT
9		245466A1		1	RETAINER
10		D48212		1	SHANK
11		84244076		2	BUSHING
12		84244078		2	BUSHING

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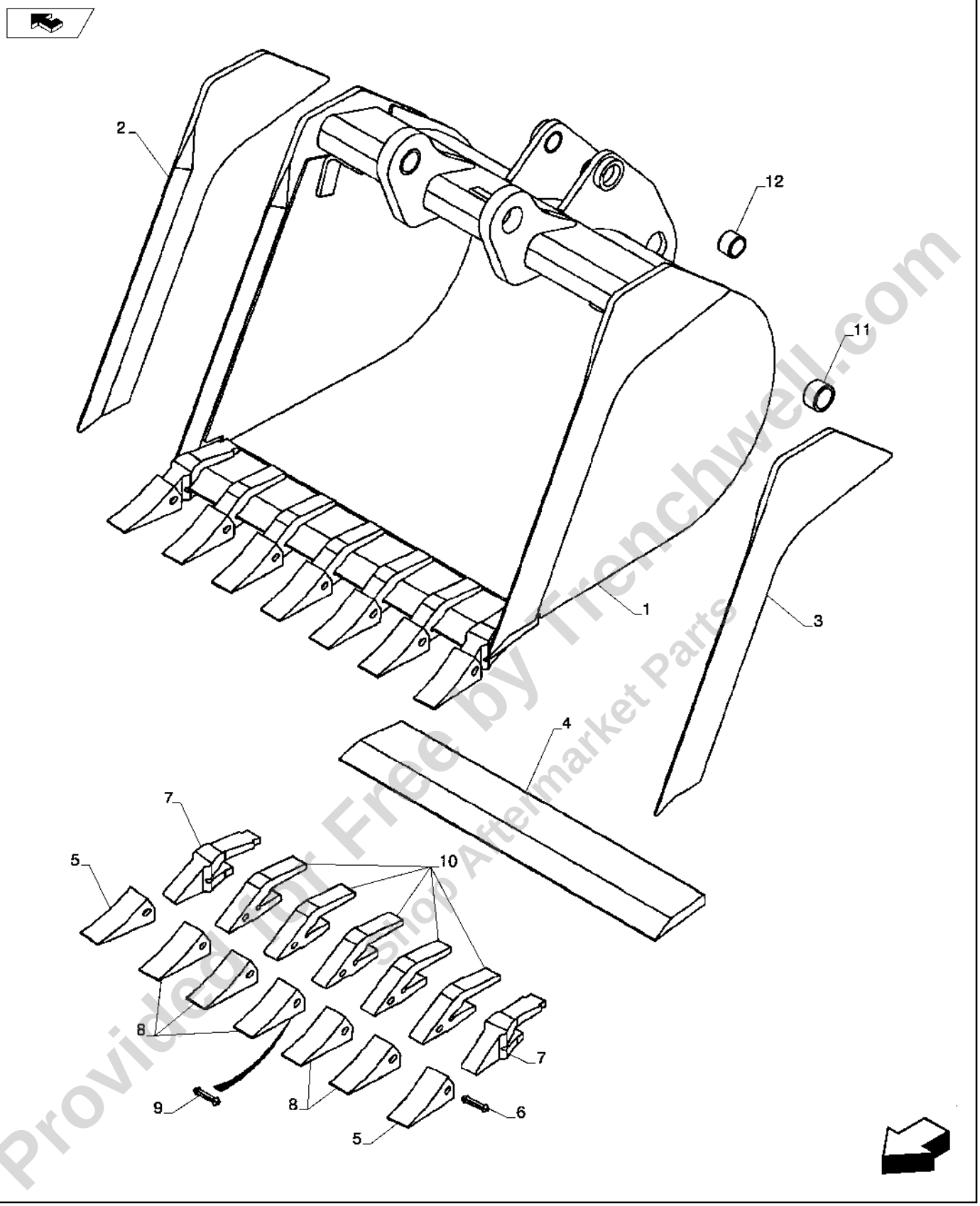
BUCKET, BACKHOE (914 MM (36 INCH) WIDE)



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BUCKET, BACKHOE (914 MM (36 INCH) WIDE)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84228965		1	BUCKET, 914 mm (36 in), With 7 Teeth; Order Through Parts Marketing; Inc 2 - 12
2		365941A1		1	CUTTING EDGE, Left-Hand
3		365942A1		1	CUTTING EDGE, Right-Hand
		370747A1		1	BUCKET TOOTH, EDGE ASSEMBLY; Cutting With Teeth; Inc 4 - 10
4		NSS		1	NOT SERVICED SEPARATELY, EDGE
		D139851		2	BUCKET TOOTH, Outer; Inc 5 - 7
5		D51750		1	BUCKET TOOTH POINT
6		245466A1		1	RETAINER
7		D138157		1	SHANK
		D139849		5	BUCKET TOOTH, Center; Inc 8 - 10; Order 8 - 10
8		D51750		1	BUCKET TOOTH POINT
9		245466A1		1	RETAINER
10		D48212		1	SHANK
11		84244078		2	BUSHING
12		84244076		2	BUSHING

580N 580SN WT
590SN 580SN

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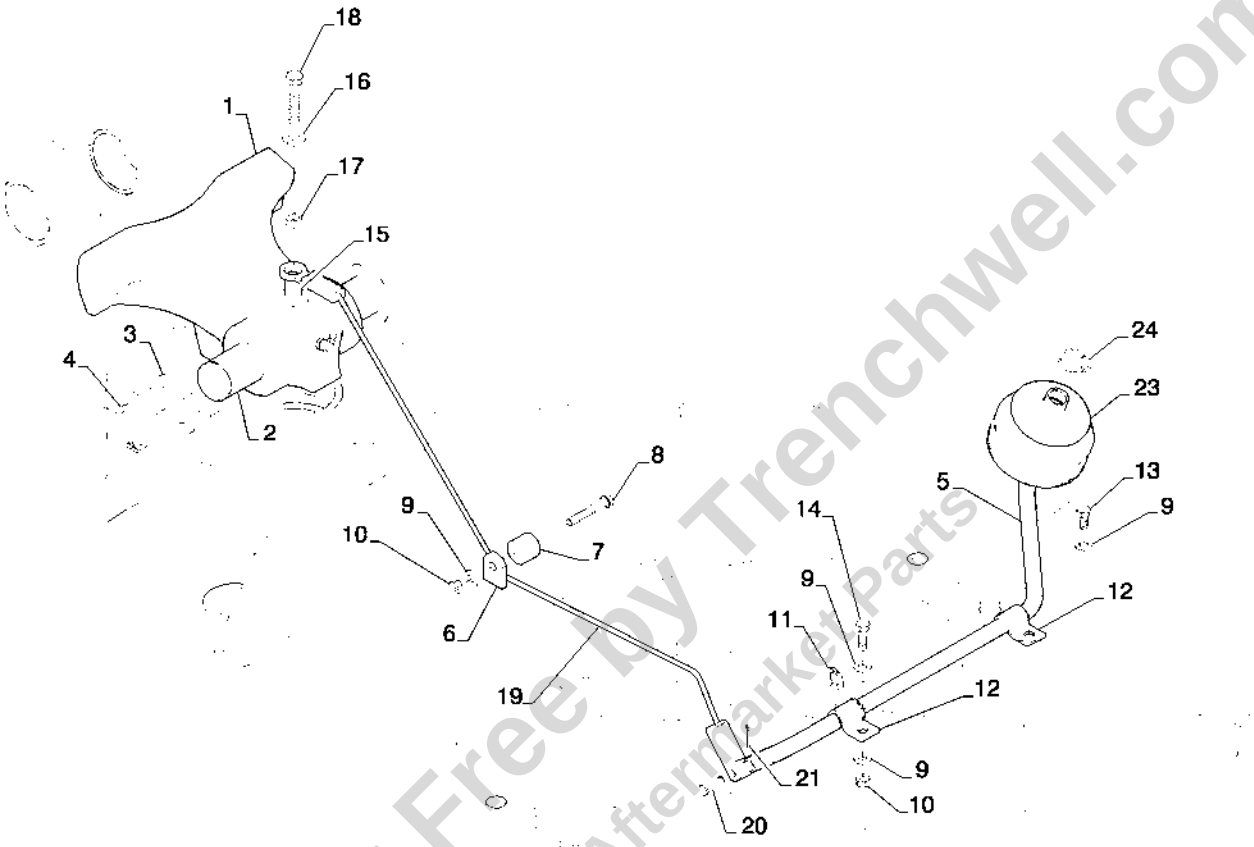
BOOM LATCH



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BOOM LATCH

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84246414		1	LATCH HOOK
2		84247279		1	PIN
3		D144592		2	WASHER
4		800-44040		2	SNAP RING, M40, Ext
5		87441850		1	ROD
6		87432811		1	BRACKET
7		86984547		1	GUIDE
8		814-8050		1	BOLT, Hex, M8 x 50, 8.8
9		87655042		4	SPECIAL WASHER
10		829-1408		2	NUT, M8, Cl 10
11		D143591		2	RING SNAP
12		D143723		2	SHIN
13		614-8016		1	BOLT, Hex, M8 x 16, 8.8
14		43127		1	SCREW, Hex, M8 x 25, 8.8
15		396092A1		1	SPACER
16		87655046		2	SPECIAL WASHER
17		87445245		1	SPACER
18		614-10050		1	BOLT, Hex, M10 x 50, 8.8, Full Thd
19		84271200		1	CABLE
20		427-5094		1	CLEVIS PIN, 5/16" x .940", HDN
21		432-612		1	COTTER PIN, 3/32" x 3/4"
22		219-55		1	LUBE NIPPLE, 90º, 1/8" NPT x .84" lg
23		D86664		1	BOOT
24		D143735		1	CLAMP

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580N 590SN
580SN WT 580SN

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SECTION INDEX

88 - Accessories

88.084.01 DIA - BOOM LATCH

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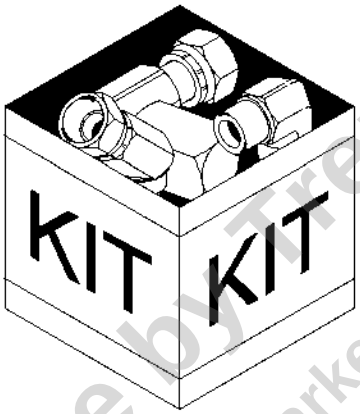
DIA - BOOM LATCH



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DIA - BOOM LATCH

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84376464		1	KIT, Boom Lock

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90.150.01	02	CAB - FLOOR MATS AND PLATES 580SN WT AND 590SN
90.150.02	01	CAB - FRAME
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90.154.07		CAB - DOOR MOUNTING
90.156.02		CANOPY, ROPS - GLASS
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90.160.01		CAB - STANDARD INTERIOR TRIM
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PICTORIAL INDEX - PLATFORM, CAB, BODYWORK AND DECALS

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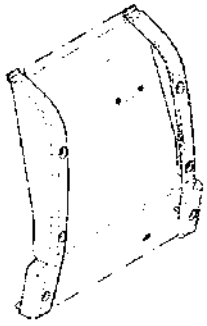

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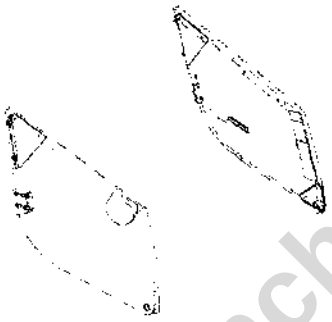
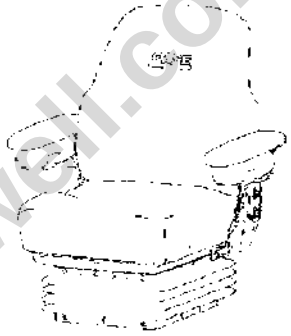
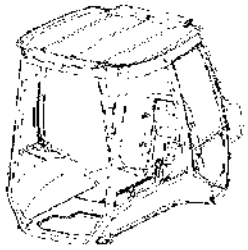


90.116.01



90.120.01(01)
90.124.11



90.150.02

90.154.02

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PICTORIAL INDEX - PLATFORM, CAB, BODYWORK AND DECALS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION

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580N 590SN
580SN WT 580SN

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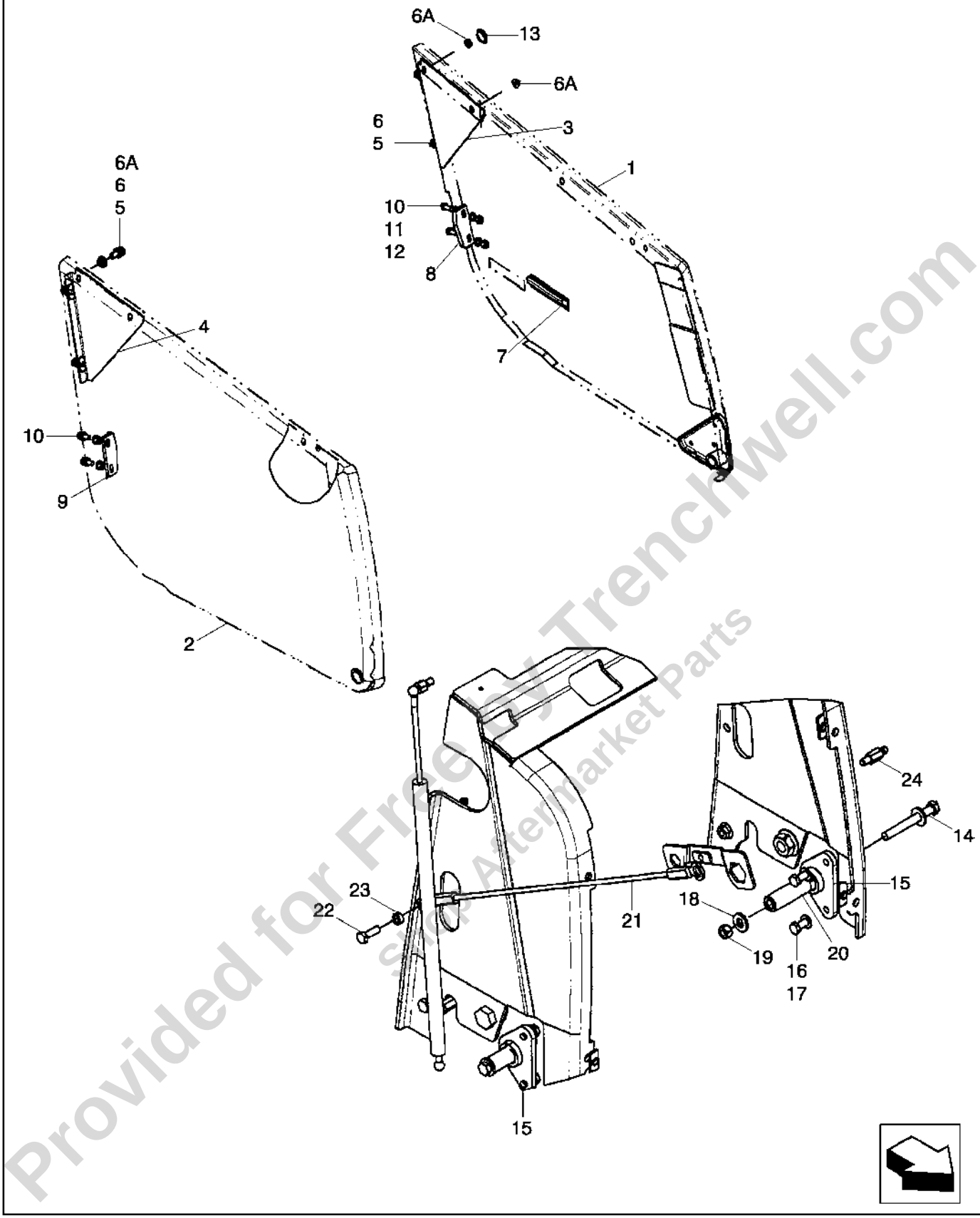
90.100.02		p1	10/10

HOOD - PANELS, SIDE



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HOOD - PANELS, SIDE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87444148		1	PANEL, SIDE, Left-Hand
2		87444147		1	PANEL, SIDE, Right-Hand
3		362609A1		1	SUPPORT, LH
4		362607A1		1	SUPPORT, RH
5		614-10025		8	BOLT, Hex, M10 x 25, 8.8, Full Thd
6		895-11010		8	WASHER, M10 x 20 x 2
6A		825-2410		4	NUT, M10 x 1.5, Flg, Cl 8
7		183168A1		1	HANDLE, Left-Hand
8		D143715		1	SUPPORT, Guide, Left-Hand
9		D143714		1	SUPPORT, Guide, Right-Hand
10		614-10025		4	BOLT, Hex, M10 x 25, 8.8, Full Thd
11		895-11010		8	WASHER, M10 x 20 x 2
12		832-10410		4	LOCK NUT, M10 x 1.5, Cl 8
13		D140267		2	PLUG
14		814-12100		2	BOLT, Hex, M12 x 100, 8.8
15		87606502		2	PIVOT
16		614-10020		4	BOLT, Hex, M10 x 20, 8.8, Full Thd
17		895-11010		4	WASHER, M10 x 20 x 2
18		896-15012		4	WASHER, M12 x 28.5 x 4, HT
19		829-1412		2	NUT, M12, Cl 10
20		87412060		2	TUBE, 13.5 mm ID x 25.36 mm OD x 76 mm L
21		144908A2		1	CABLE
22		614-10030		1	BOLT, Hex, M10 x 30, 8.8
23		D143417		1	SPACER
24		87561131		2	BALL JOINT

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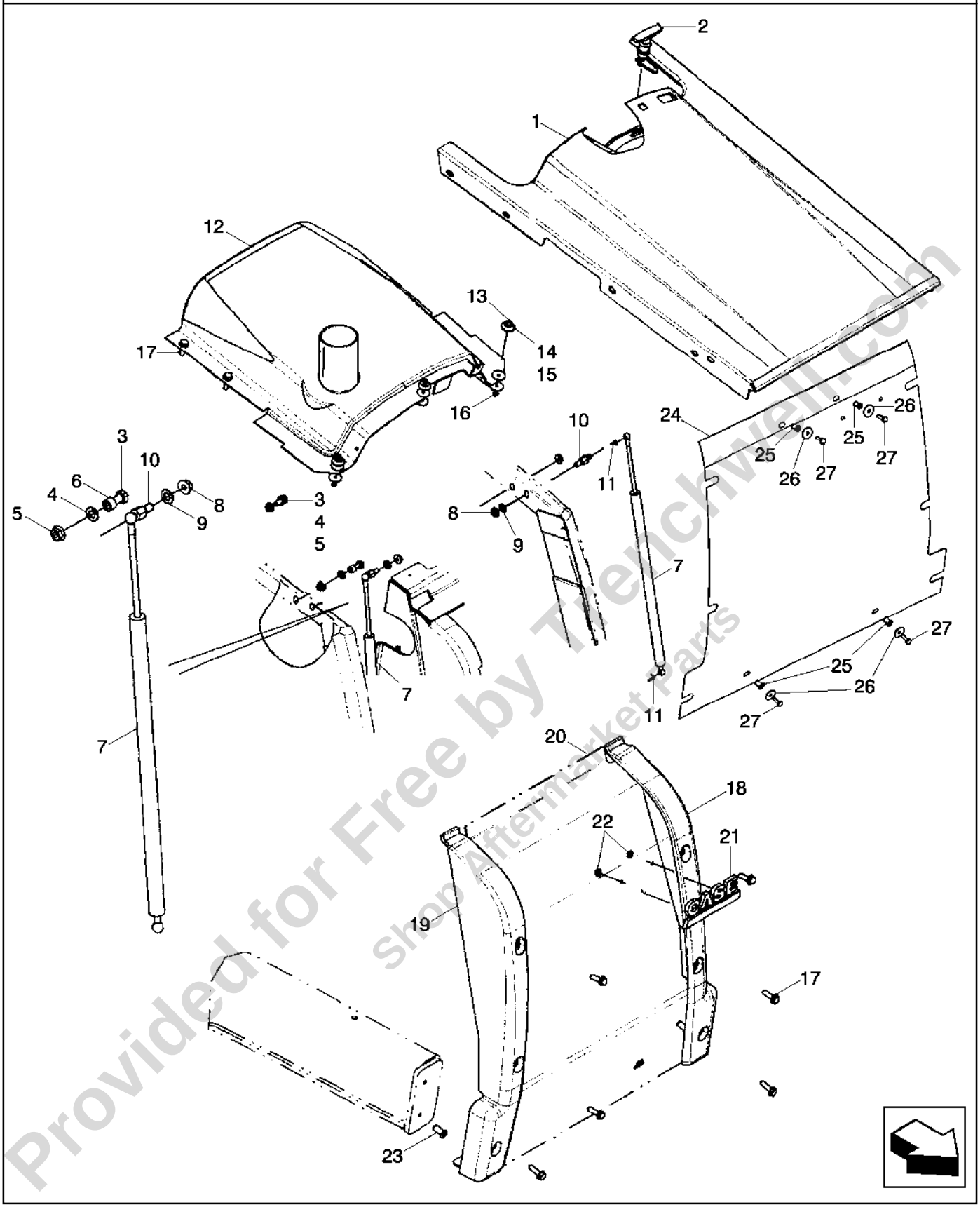
90.100.04		p1	10/10

HOOD - GRILL



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HOOD - GRILL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87594903		1	ENGINE HOOD, Tilt
2		175599A1		1	LATCH
3		614-10025		4	BOLT, Hex, M10 x 25, 8.8, Full Thd
4		895-11010		4	WASHER, M10 x 20 x 2
5		825-2410		4	NUT, M10 x 1.5, Flg, Cl 8
6		396605A1		1	SPACER
7		114980A1		2	GAS STRUT, Spring; Counterbalance
8		825-2410		2	NUT, M10 x 1.5, Flg, Cl 8
9		895-11010		2	WASHER, M10 x 20 x 2
10		139363A1		2	BALL JOINT, Stud
11		F44883		4	CLIP
12		87545557		1	ENGINE HOOD, Fixed
13		440-11012		3	SCREW, Cross Pan Hd, #10-24 x 3/4"
14		109879A1		3	SPACER
15		185325A1		8	SPACER
16		231-14109		3	LOCK NUT, #10-24, GB
17		392828A2		10	BOLT, With Washer, M10 x 40
18		87719497		1	BUMPER, LH Front
19		87719495		1	BUMPER, RH Front
20		87585167		1	RADIATOR GRILLE, Front
21		186989A1		1	EMBLEM, CASE Medallion
22		131-431		2	LOCK NUT, Self, Threading, 1/4"
23		87417721		2	THREADED INSERT
24		87726055		1	SCREEN, Chaff
25		255447A1		4	THREADED INSERT
26		257382A1		4	WASHER, 6.6 x 25 x 1.6 mm
27		257381A1		4	SCREW, 1/4 NF x 3/4

580N 580SN WT
590SN 580SN

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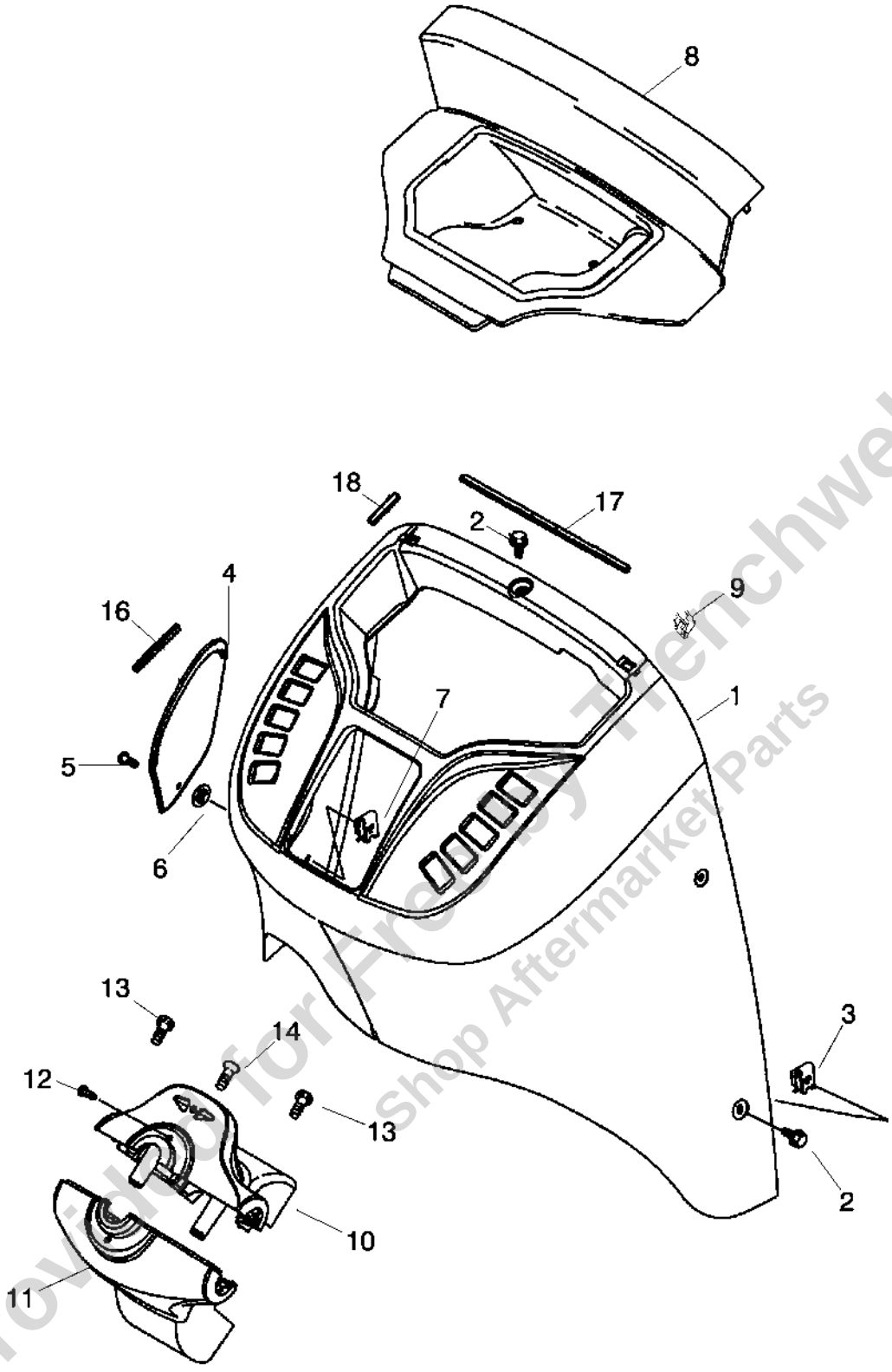
90.100.09		p1	10/10

INSTRUMENT PANEL, FRONT - COVERS



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INSTRUMENT PANEL, FRONT - COVERS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		355827A2		1	CONSOLE, Front; Standard; If Used
1		87694305		1	CONSOLE, Front; Deluxe Cab; If Used
2		87310152		6	BOLT, Hex Flange, M6 x 16, Stainless Steel
3		833-40406		6	NUT, M6, U
4		360244A1		1	COVER, Fuse Access
5		87310086		1	CAPTIVE WASHER SCREW, Includes Washer, Stainless Steel
6		127009A1		1	CLIP,ELECTRICAL
7		131-861		1	NUT, Tinn, U, #10-24
8		360245A2		1	COVER, Relay Access; Models Without Powershift Transmission
8A		363227A2		1	COVER, Relay Access; Models With Powershift Transmission; Not Illustrated
9		278316A2		2	CLIP
10		373689A2		1	COVER, Steering Column, Upper; Incl. Ref 10A - 10E; Components Not Illustrated
10A		360242A2		1	COVER
10B		303465A2		1	LAMP, Blinker
10C		303466A1		1	SYMBOL, RH Flasher
10D		303467A1		1	SYMBOL, LH Flasher
10E		373693A1		1	SCREW, Flat Head, No. 8 x 7/16
11		360243A2		1	COVER, Steering Column, Lower
12		87310124		2	SCREW, No. 10 x 1/2, Stainless Steel
13		87310124		2	SCREW, No. 10 x 1/2, Stainless Steel
14		87540980		1	SCREW, No. 10-16 x 1/2, High Grade Stainless Steel
15		131-121		1	NUT, Tinn, U, #10-24, (Not Shown)
16		414572A1		1	STRIP, 100 mm, Adhesive Back
17		414034A1		1	STRIP, 330 mm, Adhesive Back
18		414033A1		4	STRIP, 60 mm, Adhesive Back

580N 580SN WT
590SN 580SN

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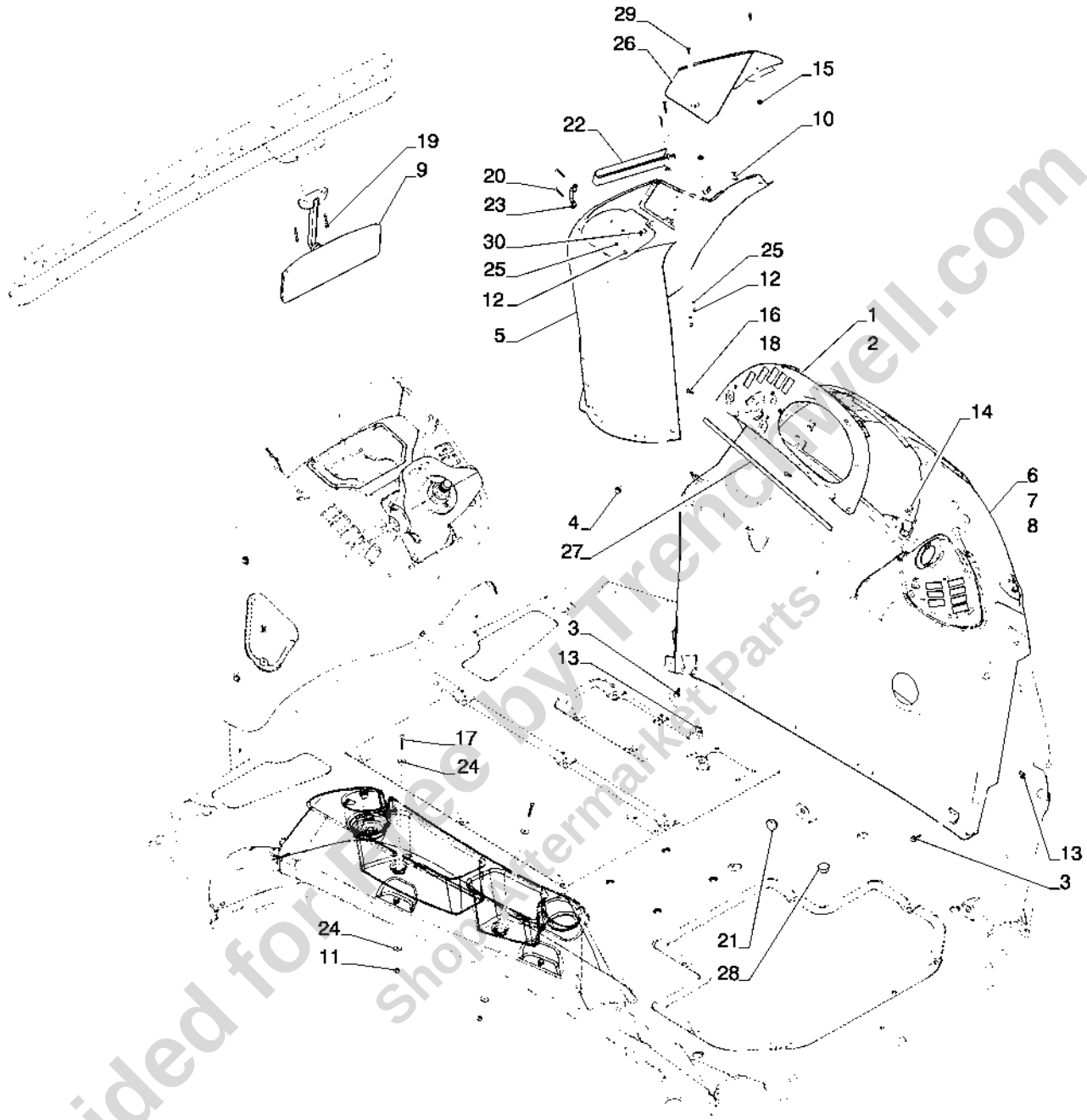
INSTRUMENT PANEL, SIDE - COVERS (RIGHT-HAND SIDE)



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INSTRUMENT PANEL, SIDE - COVERS (RIGHT-HAND SIDE)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		390255A2		1	BEZEL
2		391818A2		1	BEZEL
3		87310098		1	BOLT
4		87310152		11	BOLT
5		84328907		9	CONSOLE
6		355198A2		1	CONSOLE, Single-Door Cab
7		360250A2		1	CONSOLE, Canopy
8		372167A1		1	CONSOLE, 2-Door Cab
9		87406924		1	REAR VIEW MIRROR
10		131-861		4	NUT, Tinn, U, #10-24
11		231-14109		2	LOCK NUT, #10-24, GB
12		832-10404		4	LOCK NUT, M4 x .7, Cl 8
13		833-40406		18	NUT, M6, U
14		131-619		2	NUT, J, Ret, #10-24
15		127009A1		3	CLIP,ELECTRICAL
16		87310126		4	SCREW
17		87310127		2	SCREW
18		87310128		2	SCREW
19		286-56520		2	SCREW, Cross Fil Hd, #10-24 x 1 1/4"
20		87310184		4	SCREW
21		L60224		1	BUMPER
22		184726A1		1	FIXING STRIP, Fire Extinguisher Retaining Strap
23		182594A1		2	HANDLE
24		87310146		4	WASHER
25		895-11004		4	WASHER, M4
26		84328909		1	CONSOLE
27		414071A1		1	SEALING STRIP
28		353-411		1	PLUG, Dome, 1.000" hole, Nylon
29		87399709		2	THUMB SCREW
30		131-121		1	NUT, Tinn, U, #10-24

580N 580SN WT
590SN 580SN

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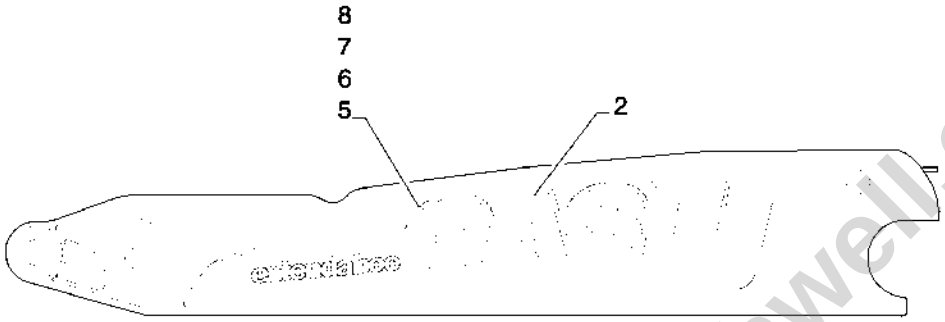
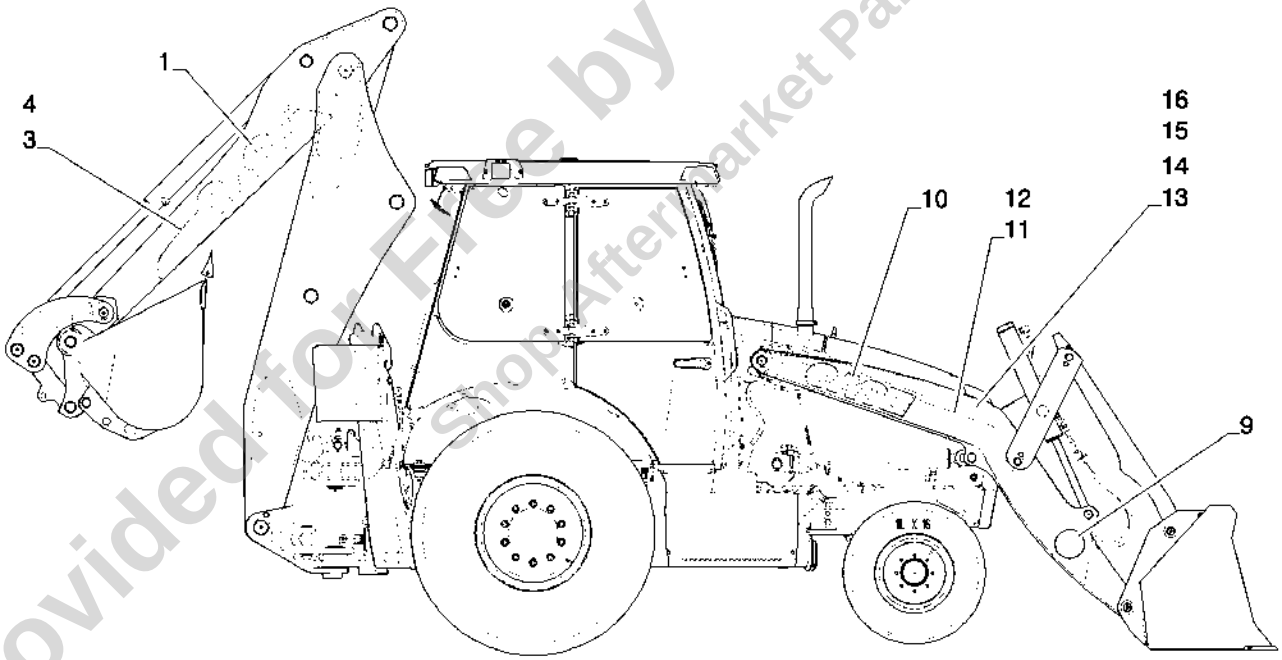
DECALS





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DECALS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87379158		2	DECAL, Case logo standard dipper
2		409828A1		2	DECAL, Case logo extendable dipper
3		84271576		1	DECAL, Standard dipper, Left hand
4		84271578		1	DECAL, Standard dipper, Right hand
5		84271581		1	DECAL, Extendable dipper, Left hand, (580N, 580SN, 580SN WT)
6		84271585		1	DECAL, Extendable dipper, Right hand, (580N, 580SN, 580SN WT)
7		84271583		1	DECAL, Extendable dipper, Left hand, (590SN)
8		84271586		1	DECAL, Extendable dipper, Right hand, (590SN)
9		304083A1		2	DECAL, Ride control
10		87479118		2	DECAL, Case logo loader arm
11		87751884		1	DECAL, Loader arm, Left hand
12		87751885		1	DECAL, Loader arm, Right hand
13		84261062		2	DECAL, 580SN
14		84261055		2	DECAL, 580N
15		84261087		2	DECAL, 590SN
16		84261082		2	DECAL, 580SN WT

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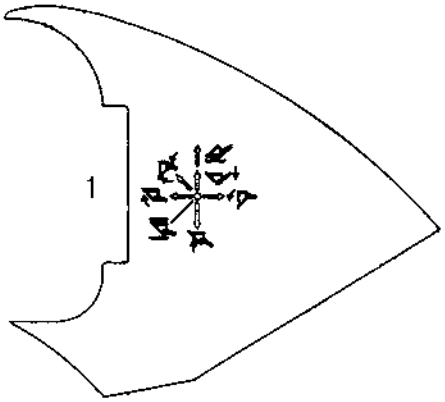
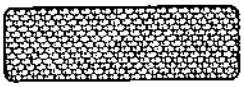
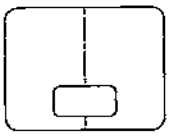
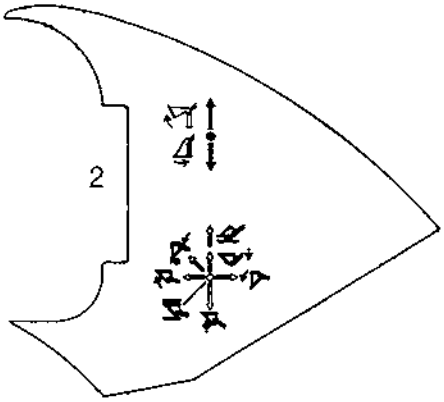
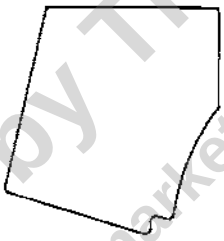
DECALS

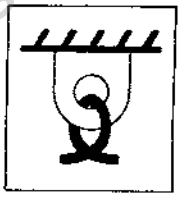


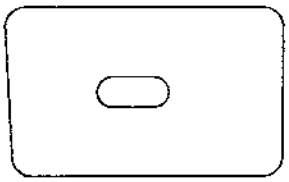


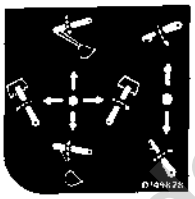


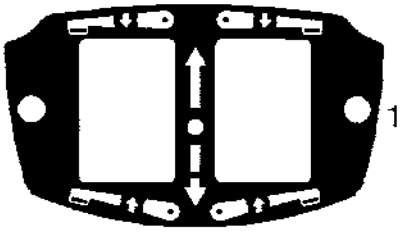












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DECALS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84237467		1	DECAL, Two Function Loader Control
2		84237478		1	DECAL, Three Function Loader Control
3		D149824		1	DECAL, Upper; Standard Backhoe Control Pattern
4		D149825		1	DECAL, Upper; Extendahoe Control Pattern; With Foot Swing
5		D149828		1	DECAL, Upper; Standard Backhoe Control Pattern; With Hand Swing; Left-Hand Side Of Console
6		D149829		1	DECAL, Upper; Standard Backhoe Control Pattern; With Hand Swing; Right-Hand Side Of Console
7		304083A1		2	DECAL, Ride Control
8		449842A1		2	DECAL, 2 x 6-5/16 in; Red, Reflector
9		192450A1		1	DECAL, Clear Vinyl; Hood
10		D55216		2-11	ANTI-SKID STRIP, 2 x 9 in
11		D80270		3-4	ANTI-SKID STRIP, 635 mm (25 in); Canopy
11		87694065		1	ANTI-SKID STRIP, 676 mm (26.61 in); Toolbox
12		87419444		1	HOSE ASSY., Cab and Canopy
13		367848A2		1	PAD, Anti-Skid; Canopy Models
14		87626017		4	DECAL, Tie Down
15		406723A1		1	DECAL, Poly Film; Lockup Cover; Canopy Models
16		87423812		1	DECAL, Stabilizer Switch; Models With Pilot Controls

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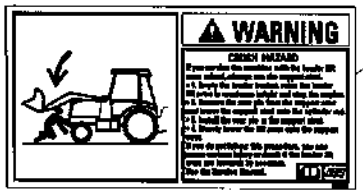
DECALS - ENGLISH



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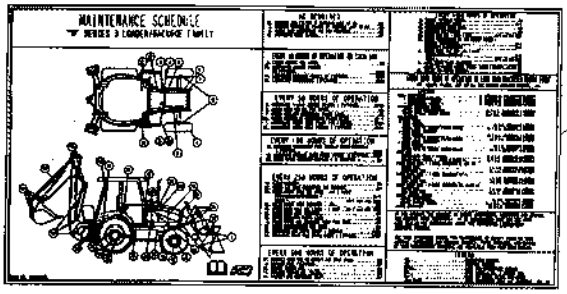

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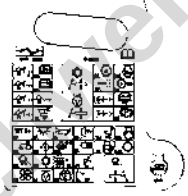

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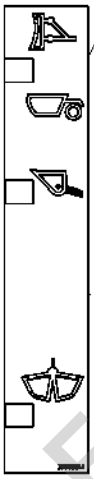
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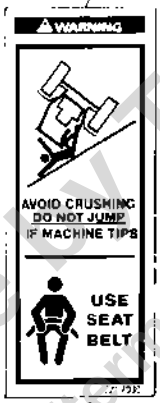

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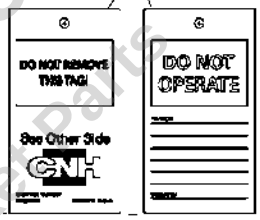

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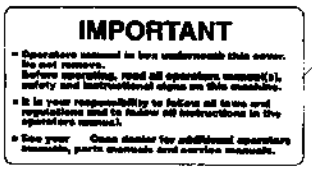

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DECALS - ENGLISH

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		384264A1		1	WARNING DECAL, Crush Hazard; Loader Arm Support Strut
2		84261061		1	DECAL, Maintenance Schedule
3		8603092		1	WARNING DECAL, Explosion Hazard, Do Not Use Ether
4		86992976		1	DANGER DECAL, Crush Hazard
5		398658A1		1	DECAL, Clam Bucket Position
6		383972A1		1	WARNING DECAL
7		144193A3		1	IMPORTANT DECAL, Operator's Manual In Box Underneath This Cover; Glove Box Lid
8		84262076		1	DECAL, Fuse and Relay Standard Transmisson
9		84262074		1	DECAL, Fuse and Relay Mechanical Standard Transmission
10		321-7030		2	WARNING DECAL, Avoid Crushing; Do Not Jump / Use Seat Belt
11		87358697		1	TAG, Do Not Operate
12		86992975		2	WARNING DECAL, No Step/Not An Exit; Canopy
13		392374A1		1	WARNING DECAL, /Danger; Read the Operator's Manual
14		87702297		1	DECAL, Parking Brake

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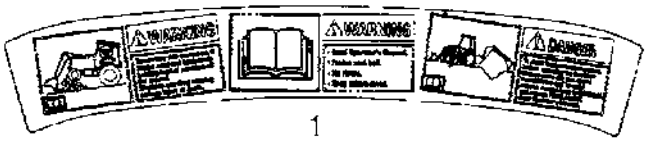
DECALS - ENGLISH



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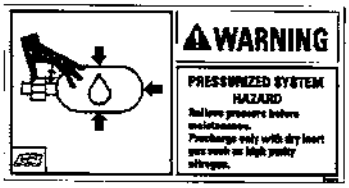

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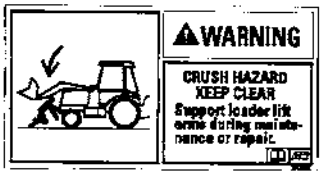

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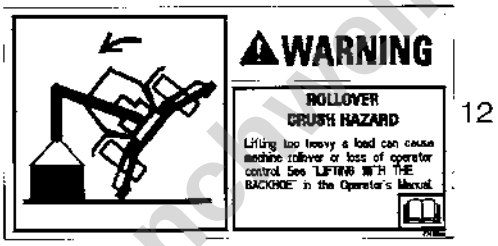

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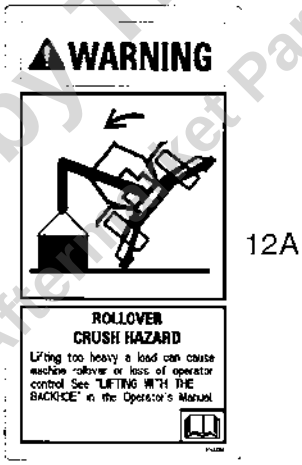

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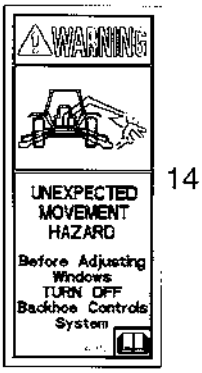

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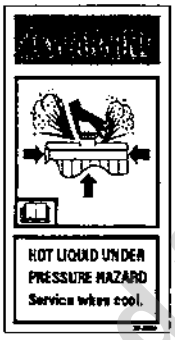

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DECALS - ENGLISH

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		392375A1		1	WARNING DECAL, /Danger; Front, With Ride Control; Do Not Turn Ride Control On/Read Operator's Manual/To Avoid Inadvertent Movement
2		384265A1		1	WARNING DECAL, Crush Hazard; Keep Clear; Support Loader Lift Arms During Maintenance
3		384267A1		2	WARNING DECAL, Entanglement Hazard, Fan; Keep Clear or Stop Engine Before Servicing
4		321-7040		1	DANGER DECAL, Starting in gear
5		384269A1		2	DANGER DECAL, Jump Start
6		384258A1		1	DANGER DECAL, Warning; Hot Liquid Under Pressure
7		321-230		1	DECAL, Diesel Fuel
8		321-229		1	DECAL, Hydraulic Fluid; English Decal Only
9		384260A1		1	WARNING DECAL, Ride Control Accumulator
10		D149826		1	IMPORTANT DECAL, Caution; For All Models With Foot Swing Backhoe Controls and Standard Backhoe Models With Hand Swing
11		D149827		1	IMPORTANT DECAL, Caution; Extendahoe Backhoe Models With Hand Swing
12		87435938		1	WARNING DECAL, Rollover Crush Hazard; Lifting Too Heavy A Load; Models Without Pilot Controls
12A		87433209		1	WARNING DECAL, Rollover Crush Hazard; Lifting Too Heavy A Load; Models With Pilot Controls
13		321-6774		1	WARNING DECAL, Seat Spring
14		87423813		2	WARNING DECAL, Unexpected Movement Hazard; Before Adjusting Windows
15		87581010		2	WARNING DECAL, Pressurized System Hazard

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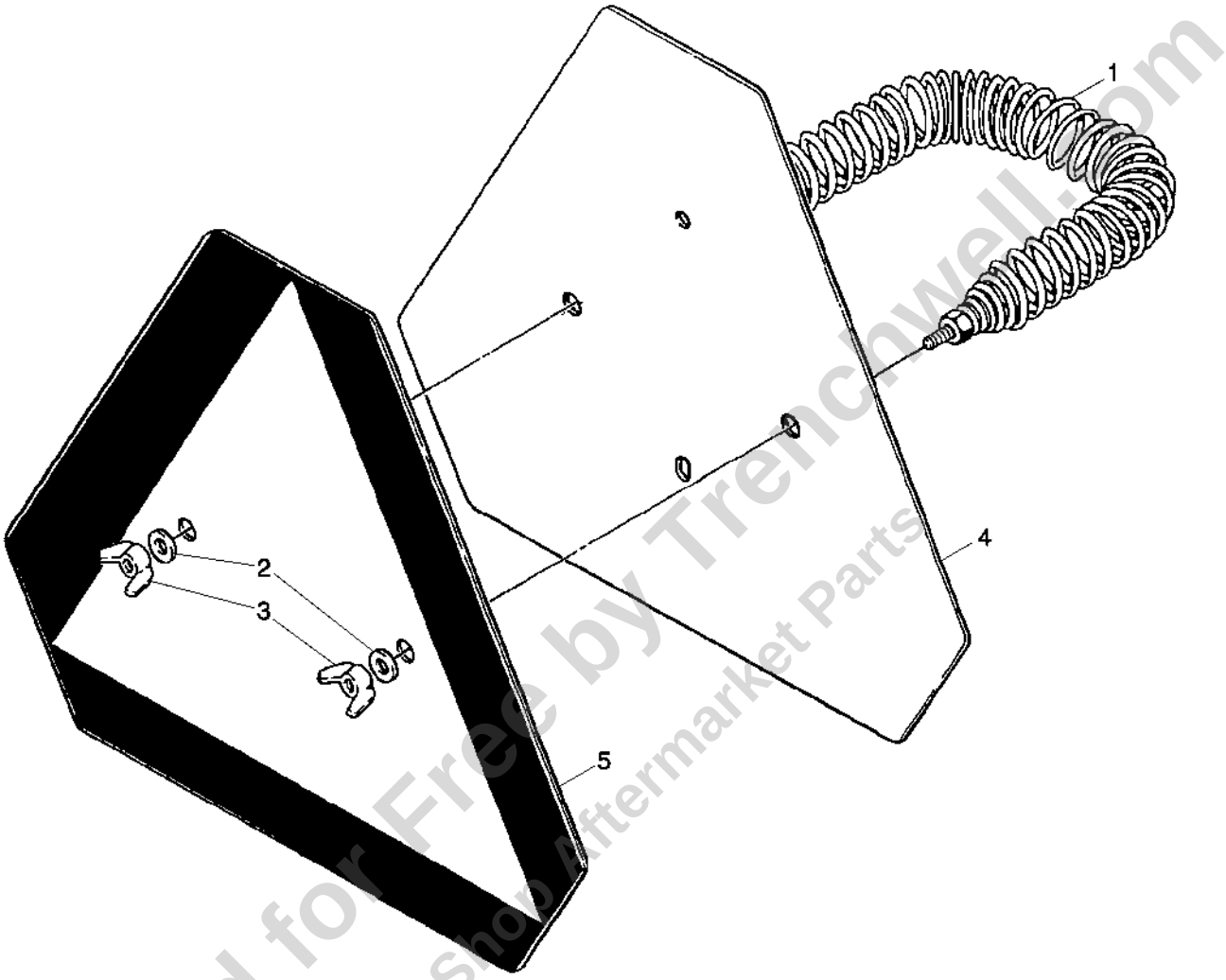
SLOW MOVING VEHICLE EMBLEM



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SLOW MOVING VEHICLE EMBLEM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		D52564		1	SPRING
2		495-11028		2	WASHER, 1/4", SAE, (9/32 x 5/8 x 1/16")
3		126177		2	DISC, 1/4
4		86547710		1	KIT, Incl. Ref 5
5		321-4311		1	DECAL, Slow Moving Vehicle

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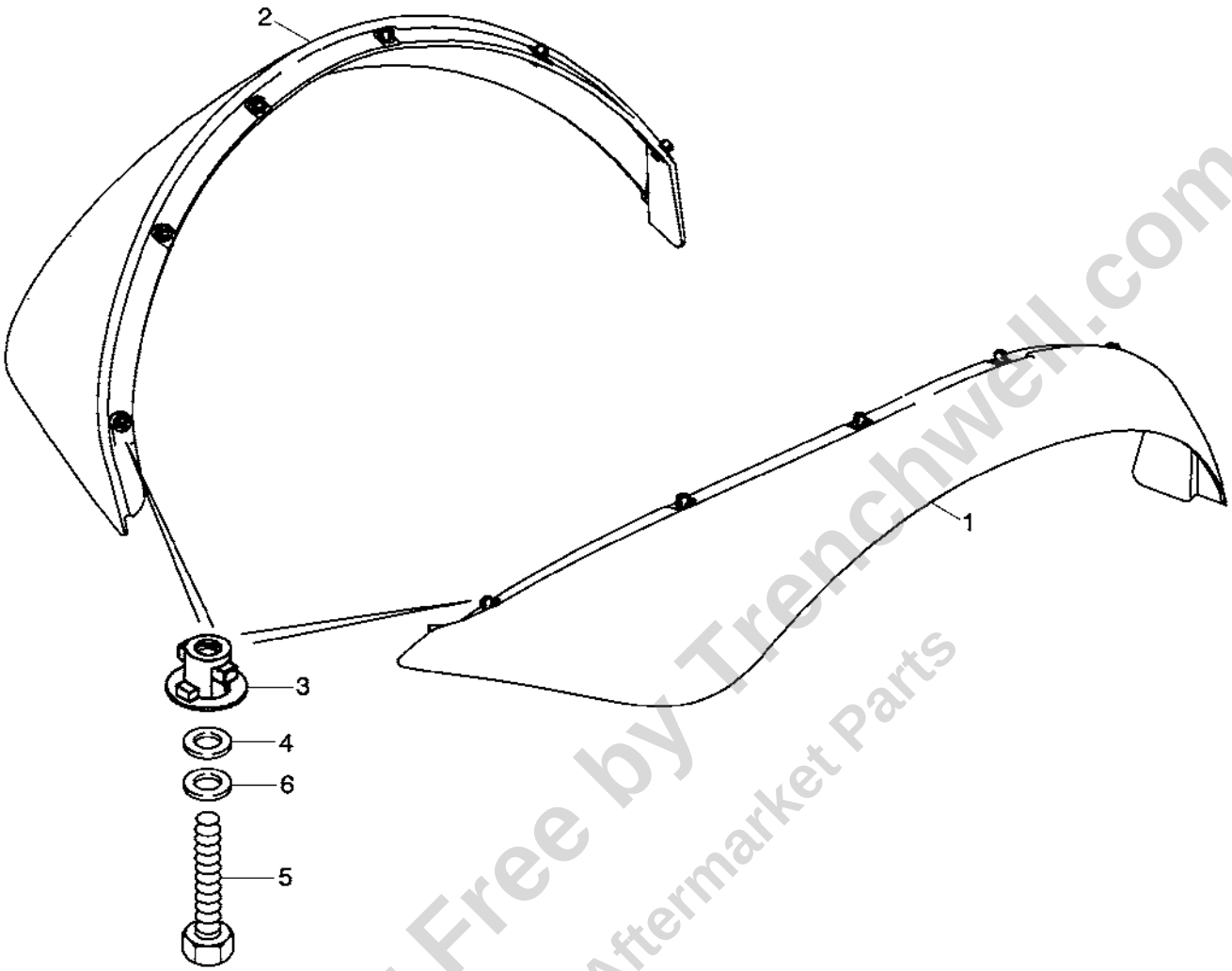
90.116.08		p1	02/11

FENDER EXTENSIONS



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FENDER EXTENSIONS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		340998A3		1	FENDER, Right-Hand
2		340997A3		1	FENDER, Left-Hand
3		345231A1		12	FASTENER
4		496-41041		12	WASHER, 13/32" x 1 1/8" x .134"
5		614-8030		12	BOLT, Hex, M8 x 30, 8.8
6		892-11008		12	LOCK WASHER, M8

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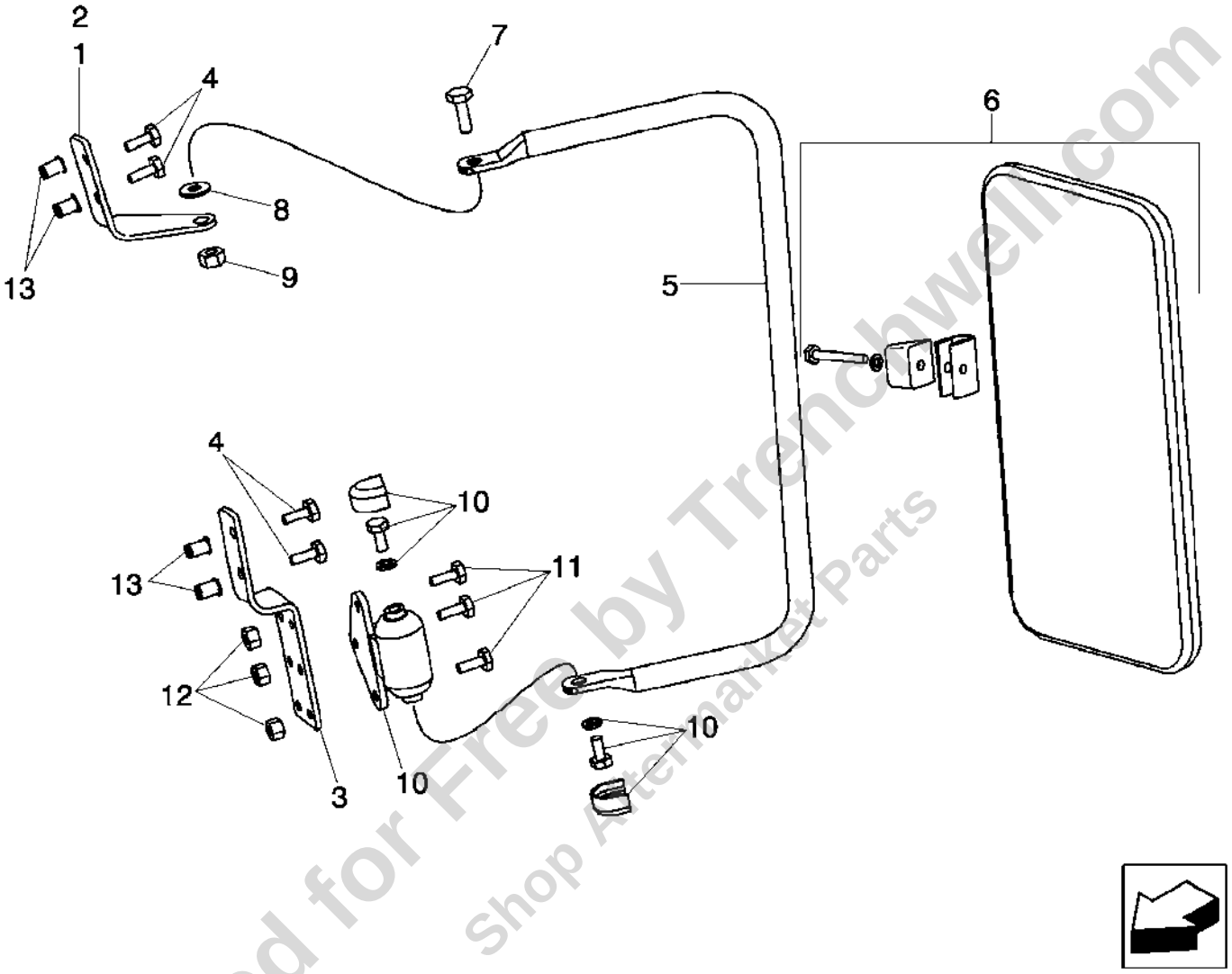
MIRROR, REAR VIEW - MOUNTING, CAB MODELS



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MIRROR, REAR VIEW - MOUNTING, CAB MODELS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		397974A1		1	KIT, Outside Mirror; Incl. Ref 1 - 14 and Instructions
1		402933A1		1	BRACKET, Upper; Right-Hand
2		402934A1		1	BRACKET, Upper; Left-Hand; Not Illustrated
3		402936A1		2	BRACKET, Lower
4		413-412		8	BOLT, Hex, 1/4"-20 x 3/4", G5, Full Thd
5		402935A1		2	SUPPORT TUBE
6		R54682		2	MIRROR, Exterior
7		413-516		2	BOLT, Hex, 5/16"-18 x 1", G5, Full Thd
8		A167037		2	WASHER
9		231-4115		2	LOCK NUT, 5/16"-18, GB
10		D142144		2	HINGE, Includes Hardware
11		413-412		6	BOLT, Hex, 1/4"-20 x 3/4", G5, Full Thd
12		231-1444		6	LOCK NUT, 1/4"-20, GB
13		255447A1		10	THREADED INSERT, Cab Front ROPS Post
14		NSS		1	NOT SERVICED SEPARATELY, Tool, Insert Nut; Not Illustrated

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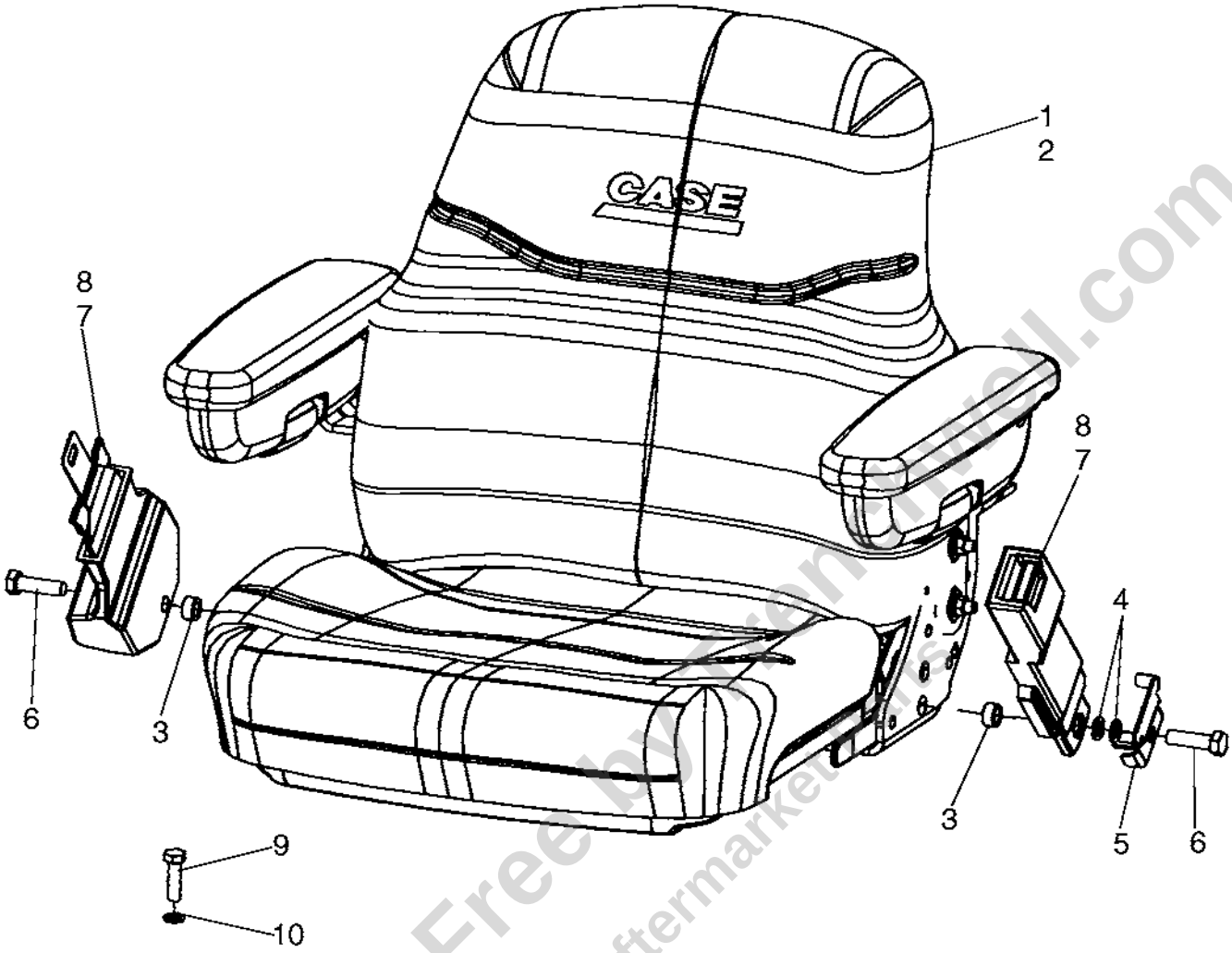
SEAT - MOUNTING (MECHANICAL SUSPENSION)



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SEAT - MOUNTING (MECHANICAL SUSPENSION)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84276094	BSN xxxxxx	1	DRIVER SEAT, Vinyl; Mechanical Suspension
1		84557475	ASN xxxxxx	1	SEAT, SEAT; Vinyl; Mechanical Suspension
2		84276105	BSN xxxxxx	1	DRIVER SEAT, Cloth; Mechanical Suspension
2		84557472	ASN xxxxxx	1	SEAT, SEAT; Cloth; Mechanical Suspension
3		87311572		2	SPACER
4		895-18012		2	WASHER, M12 x 20 x 2, Left-Hand Side
5		87310149		1	BRACKET, Belt Mounting
6		614-12040		2	BOLT, Hex, M12 x 40, 8.8, Full Thd
7		87408888		1	SAFETY BELT, 76.20 mm W, Retractable, If used
8		87408889		1	SAFETY BELT, 50.80 mm W, If used
9		604-12030		4	BOLT, Hex, Lock, M10 x 30, Cl 8.8, Seat Pedestal to Floor
10		896-15012		4	WASHER, M12 x 28.5 x 4, HT

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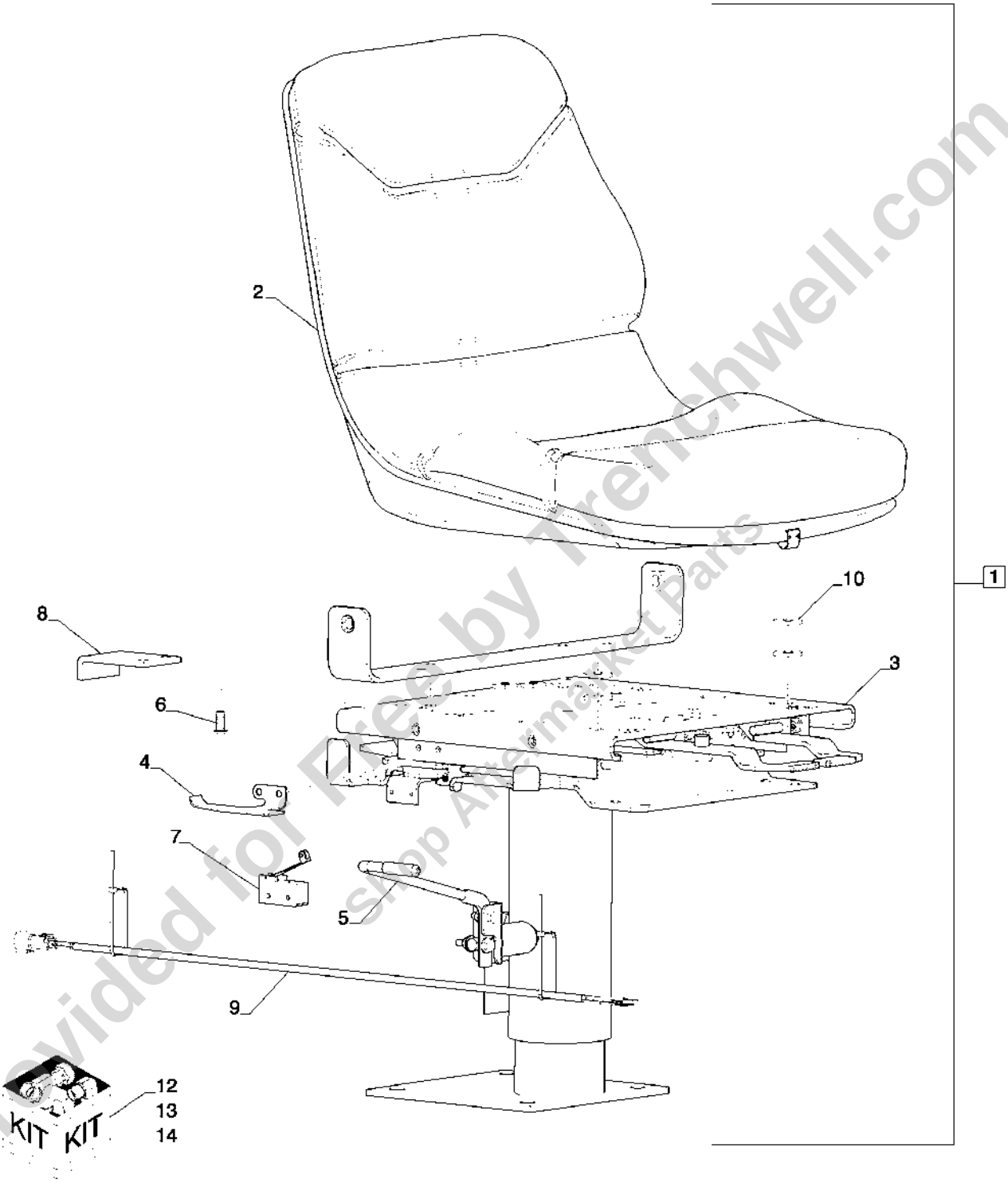
SEAT - ADJUSTABLE HEIGHT PEDESTAL



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SEAT - ADJUSTABLE HEIGHT PEDESTAL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84276092		1	SEAT ASSY.
2		87338681		1	SEAT BACK
3		87346606		1	SEAT ACCESSORY, Swivel and Pedestal
4		87346607		1	SEAT ACCESSORY, Lever Switch Actuator
5		87346611		1	SEAT ACCESSORY, Height Adjustment Handle
6		87346612		4	SEAT ACCESSORY, bolt, 5/16 x 18UNC
7		84276130		1	SEAT ACCESSORY, Switch and Harness
8		84174986		1	BRACKET
9		84276124		1	WIRE HARNESS
10		84191654		4	WASHER
11		87346615		1	SEAT ACCESSORY, Height Adjusment Handle (Not Shown)
12		87308132		1	KIT, Swivel Bearing (Not Shown)
13		87346633		1	SEAT ACCESSORY, Pedestal
14		87346634		1	SEAT ACCESSORY, Slide Swivel

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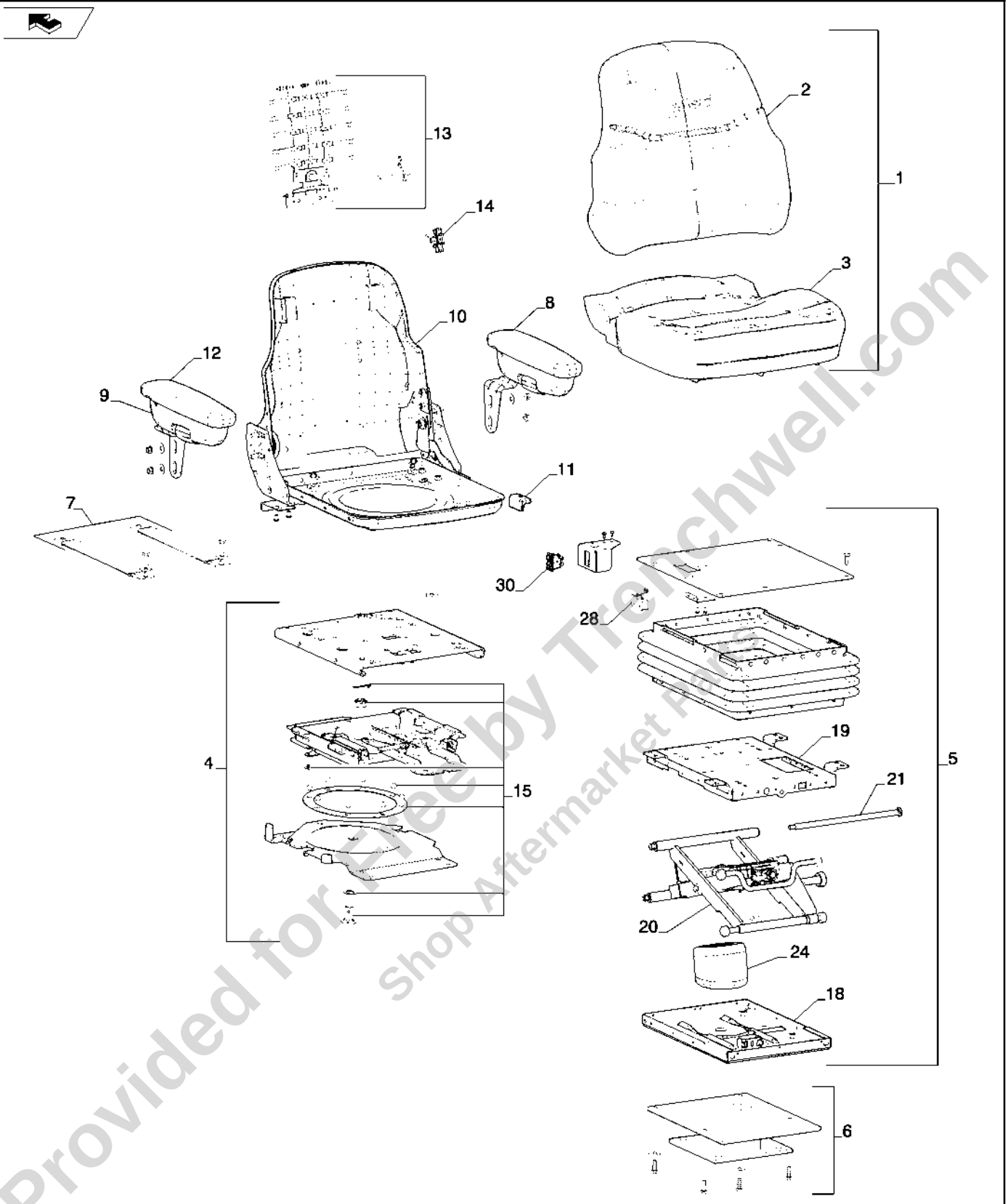
SEAT - MOUNTING (AIR SUSPENSION)



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SEAT - MOUNTING (AIR SUSPENSION)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87308118		1	SEAT, Wheat Vinyl
1		87308157		1	SEAT, Wheat Fabric
2		87308127		1	SEAT BACK, Wheat Vinyl
2		87308159		1	SEAT BACK, Wheat Fabric
3		87308119		1	SEAT CUSHION, Wheat Vinyl
3		87308158		1	SEAT CUSHION, Wheat Fabric
4		87308131		1	SEAT ACCESSORY
5		84276127		1	SERVICE KIT, LPA Suspension
6		87475833		1	SERVICE KIT, Pedestal
7		87475826		1	SERVICE KIT, Tether Belt
8		87308153		1	ARMREST, Left Hand
9		87308152		1	ARMREST, Right Hand
10		86994165		1	SEAT ACCESSORY, Recliner
11		87339800		1	KNOB
12		87308154		1	SEAT ACCESSORY, Arm Pad Kit (Contains both Pads and Screws)
13		87308130		1	SEAT BACK ADJUST DEVICE
14		87037462		1	SEAT BACK ADJUST DEVICE, Knob
15		87308132		1	KIT, Swivel Bearing
16		300680A1		1	KIT, Slide Puck (Not Shown)
17		87475827		1	SERVICE KIT, Compressor (Not Shown)
18		86556264		1	HOUSING, Lower Housing
19		87475830		1	SERVICE KIT, Upper Housing
20		87475831		1	SERVICE KIT, Support Arm
21		143786A1		1	SHAFT, Bearing
22		87475834		1	SERVICE KIT, Air Line and Fitting (Not Shown)
23		333279A2		1	KIT, Air Spring (Not Shown)
24		9845760		1	SPRING, Air
25		87475837		1	SERVICE KIT, Shock (Not Shown)
26		87475838		1	SERVICE KIT, Bumper (Not Shown)
27		84276128		1	SERVICE KIT, Harness (Not Shown)
28		84276125		1	SWITCH
29		87475841		1	SERVICE KIT, Bearing and Roller (Not Shown)
30		87475861		1	SERVICE KIT, Air Valve

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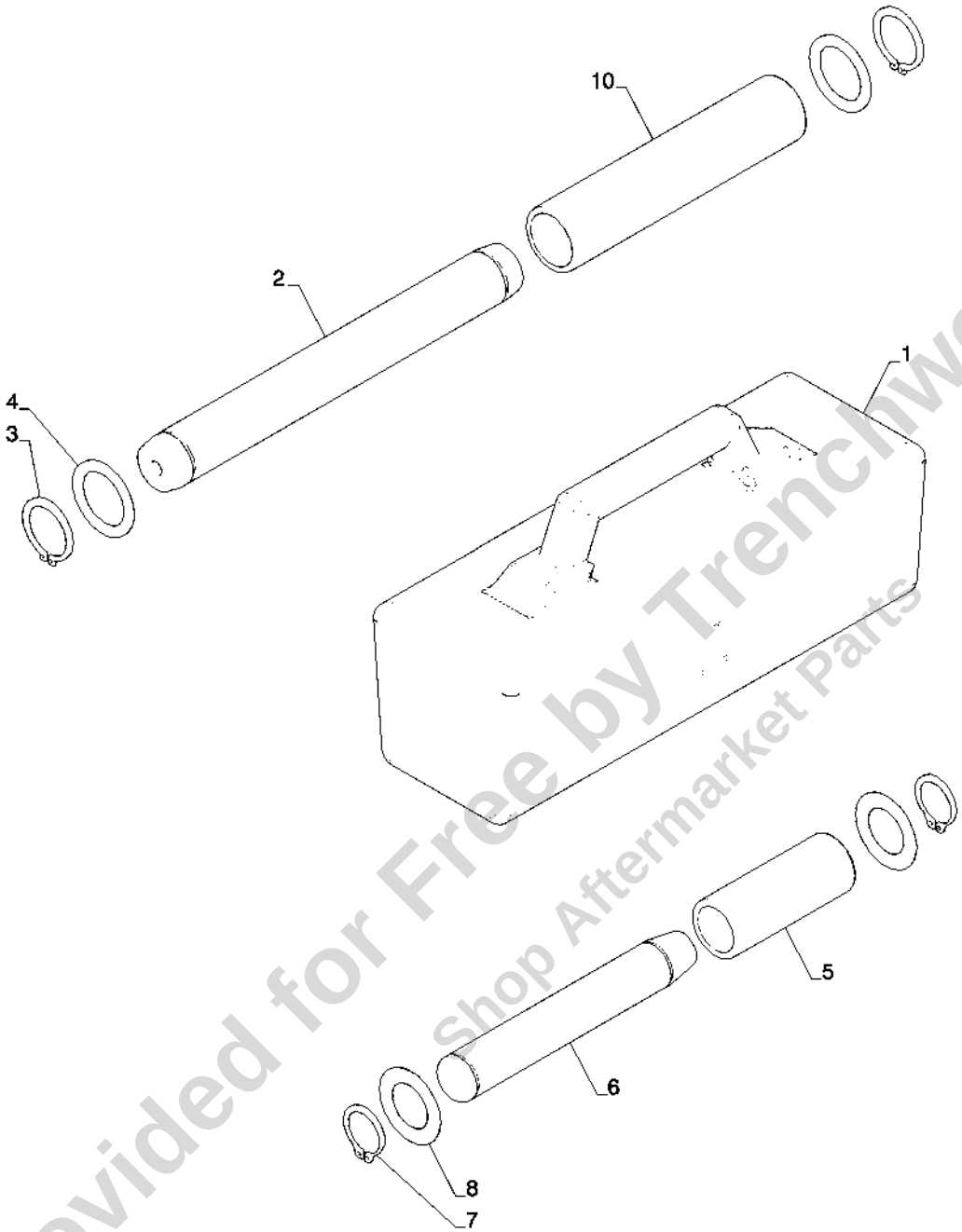
TOOL BOX - RETRO FIT KIT (MECHANICAL COUPLER)



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TOOL BOX - RETRO FIT KIT (MECHANICAL COUPLER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87590309		1	TOOL BOX
2		84306037		1	PIN
3		103-16175		2	SNAP RING, #175, Ext
4		495-81226		2	WASHER, 1 13/16" x 2 1/2" x .109"
5		84300835		1	SLEEVE
6		D37614		1	PIN
7		D25279		2	SNAP RING
8		D143324		2	WASHER
9		84305928		1	INSTRUCTION
10		84305919		1	SLEEVE

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580SN 590SN

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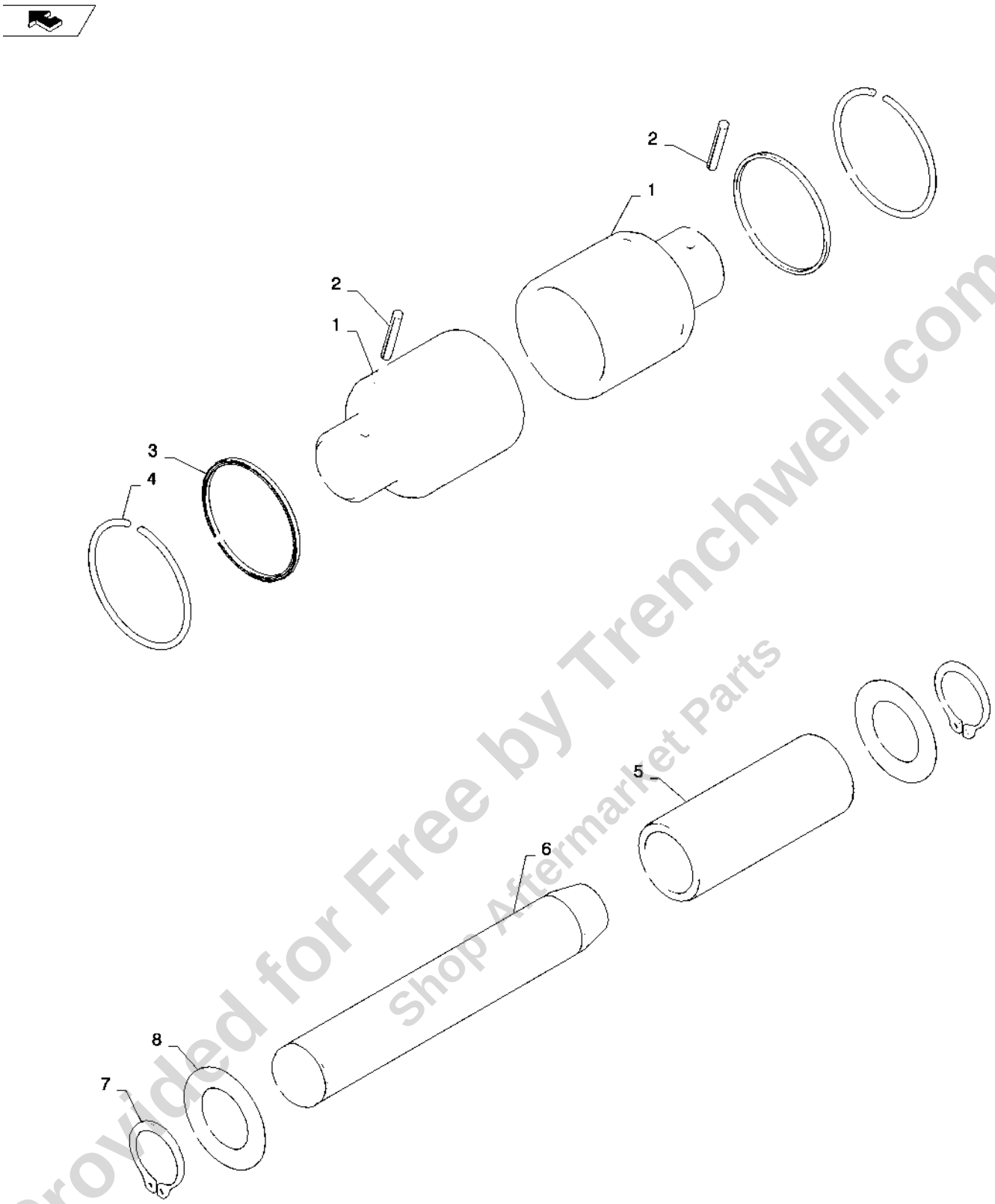
90.120.11		p1	07/11

TOOL BOX - RETRO FIT KIT (HYDRAULIC COUPLER)



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TOOL BOX - RETRO FIT KIT (HYDRAULIC COUPLER)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		400932A4		2	PIN
2		135-1233		2	GROOVED PIN, 7/32" x 1 1/2", Hardened
3		434891A1		2	WIPER SEAL
4		406624A1		2	RING
5		84300835		1	SLEEVE
6		D37614		1	PIN
7		D25279		2	SNAP RING
8		D143324		2	WASHER

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580SN WT 580SN
590SN

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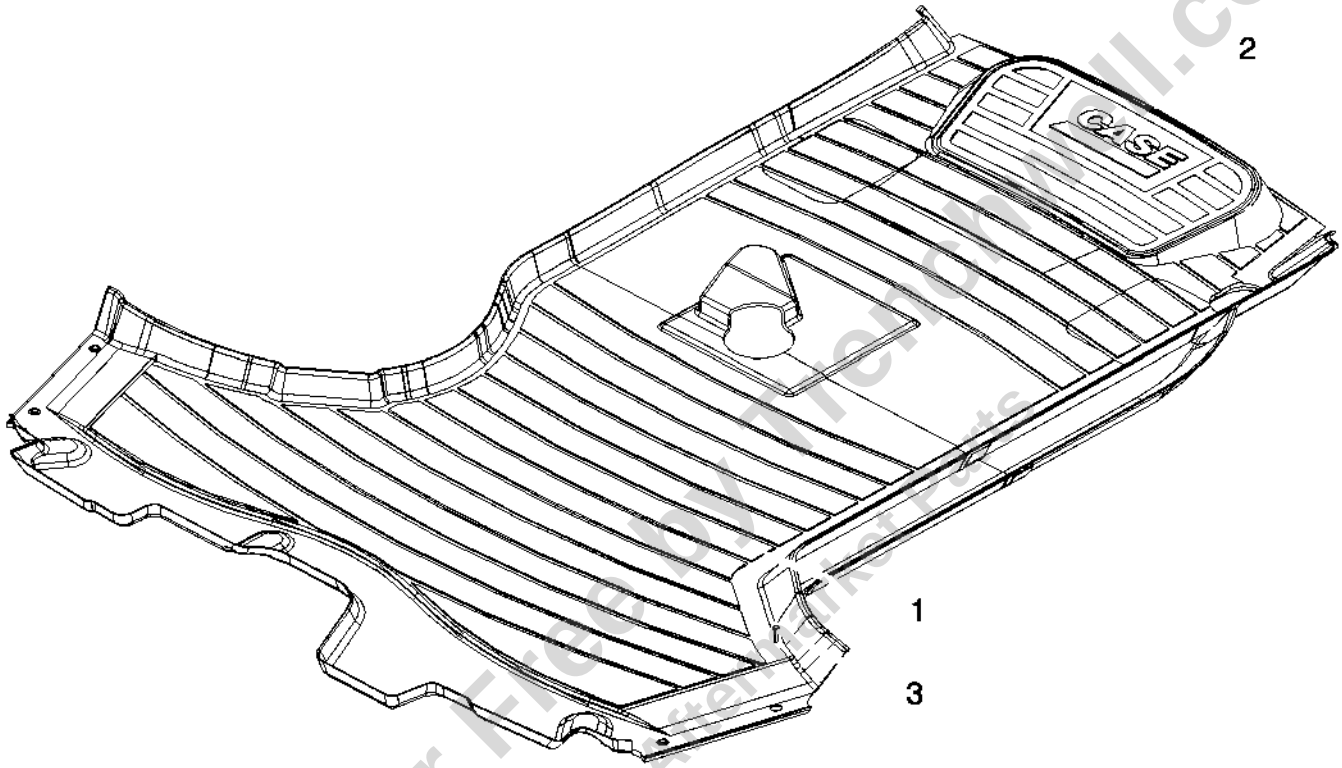
90.150.01	01	p1	10/10

CAB - FLOOR MATS AND PLATES 580N AND 580SN



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CAB - FLOOR MATS AND PLATES 580N AND 580SN

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		390551A2		1	FLOOR MAT
2		86983325		1	FLOOR MAT, With Mechanical Controls
2		84224307		1	FLOOR MAT, With Pilot Controls
3		280-16516		4	SELF-TAP SCREW, Hex Wash Hd, #10 x 1"

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580N 590SN
580SN WT 580SN

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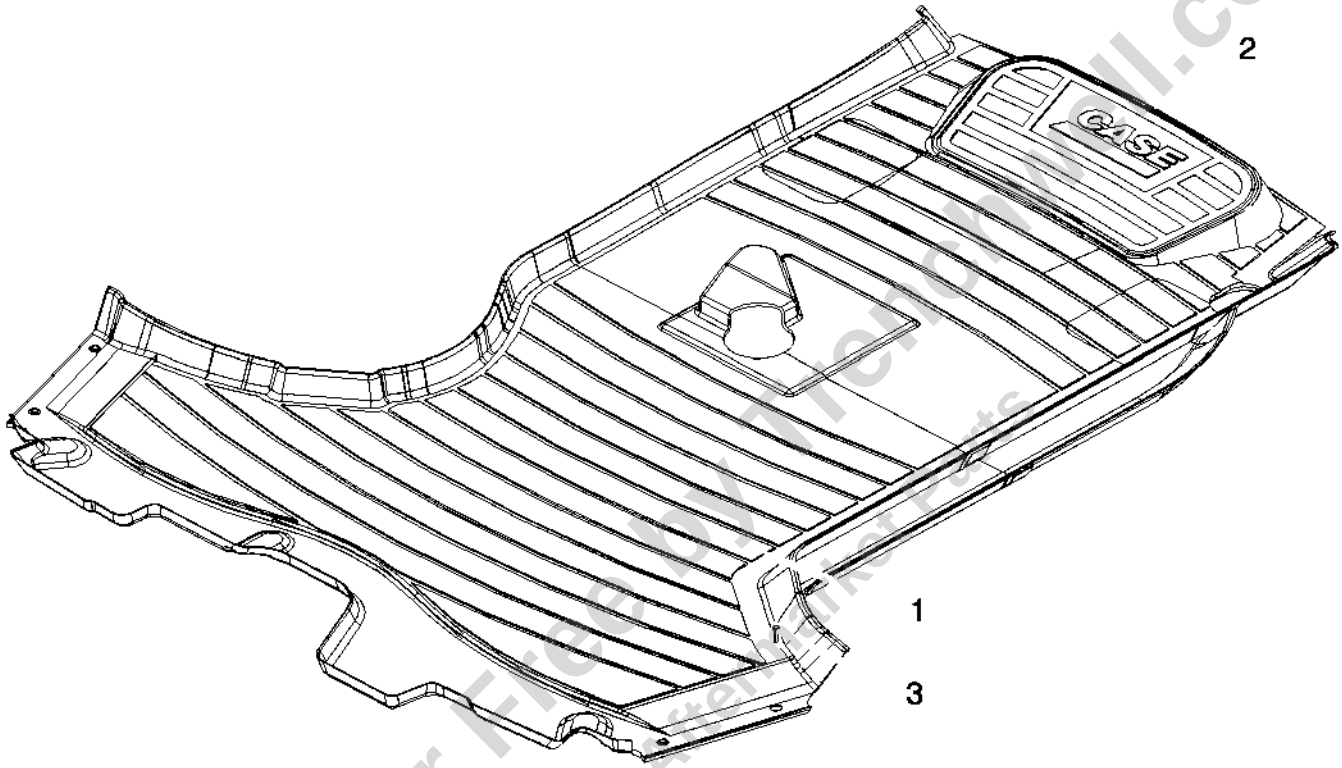
90.150.01	02	p1	10/10

CAB - FLOOR MATS AND PLATES 580SN WT AND 590SN



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CAB - FLOOR MATS AND PLATES 580SN WT AND 590SN

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		391625A2		1	FLOOR MAT
2		86993773		1	FLOOR MAT, With Mechanical Controls
2		84224308		1	FLOOR MAT, With Pilot Controls
3		280-16516		4	SELF-TAP SCREW, Hex Wash Hd, #10 x 1"

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590SN
580SN WT

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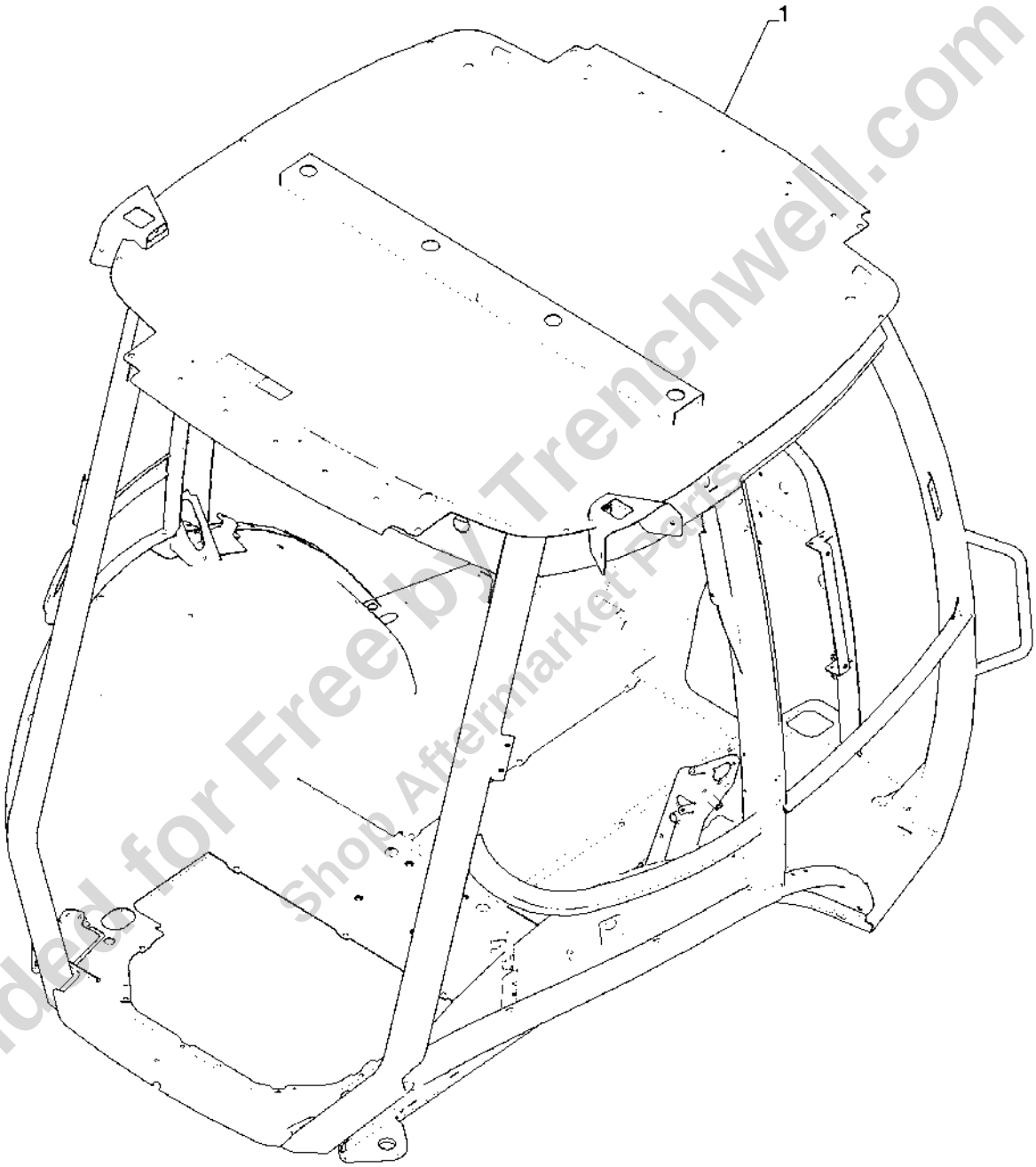
90.150.02	01	p1	10/10

CAB - FRAME



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CAB - FRAME

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84222541		1	CAB, Narrow One Door
1		84222542		1	CAB, Narrow Two Door
1		84222543		1	CAB, Wide One Door
1		84222544		1	CAB, Wide Two Door

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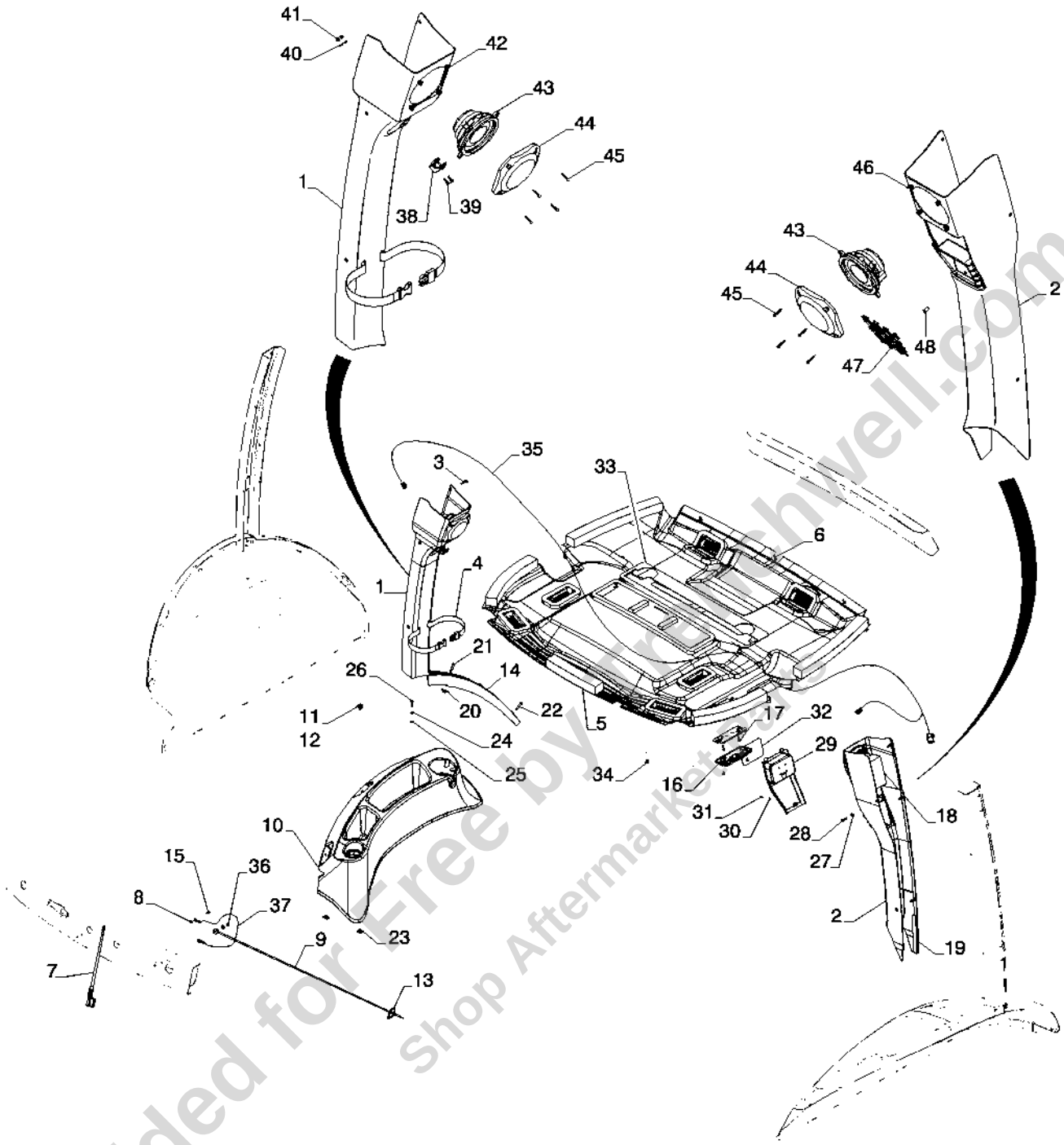
90.150.02	02	p1	10/10

CAB - TRIM AND COVERS



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CAB - TRIM AND COVERS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87657148		1	COVER
2		84224374		1	COVER ASSY
3		401949A1		9	FASTENER
4		378227A1		1	STRAP
5		84224379		1	HEADLINER
6		396516A1		3	SCREW,POINTED
7		197745A1		1	ANTENNA
8		893-11005		1	LOCK WASHER, Ext Tooth, M5
9		381659A1		1	ELECTRIC CABLE
10		86992247		1	TRAY
11		87310186		2	WASHER
12		87310098		2	BOLT
13		L11541		1	CABLE STRAP
14		397026A3		1	TRIM
15		282-17512		1	SCREW, Hex Wash Hd, #10-16 x 3/4"
16		380719A2		1	INTERIOR LIGHT
17		281-54512		2	SCREW, Hex Wash Hd, #10-24 x 3/4"
18		412285A1		1	STRIP
19		414939A1		2	SEALING STRIP
20		131-869		3	NUT, Ret, J, #10-24
21		87534992		2	SELF-TAP SCREW
22		87310126		1	SCREW
23		833-40406		2	NUT, M6, U
24		87310146		4	WASHER
25		231-14109		2	LOCK NUT, #10-24, GB
26		87310127		2	SCREW
27		87713130		1	WASHER
28		840-1625		1	SCREW, Cross Pan Hd, M6 x 25
29		84224376		1	BEZEL
30		895-11004		1	WASHER, M4
31		840-1412		1	SCREW, Cross Pan Hd, M4 x 12
32		84224378		1	DECAL
33		382770A2		1	SEAL, Filter Tray, Headliner
34		353-403		1	PLUG, Dome, .437" hole, Nylon
35		382664A2		1	WIRE HARNESS

580N 580SN WT
590SN 580SN

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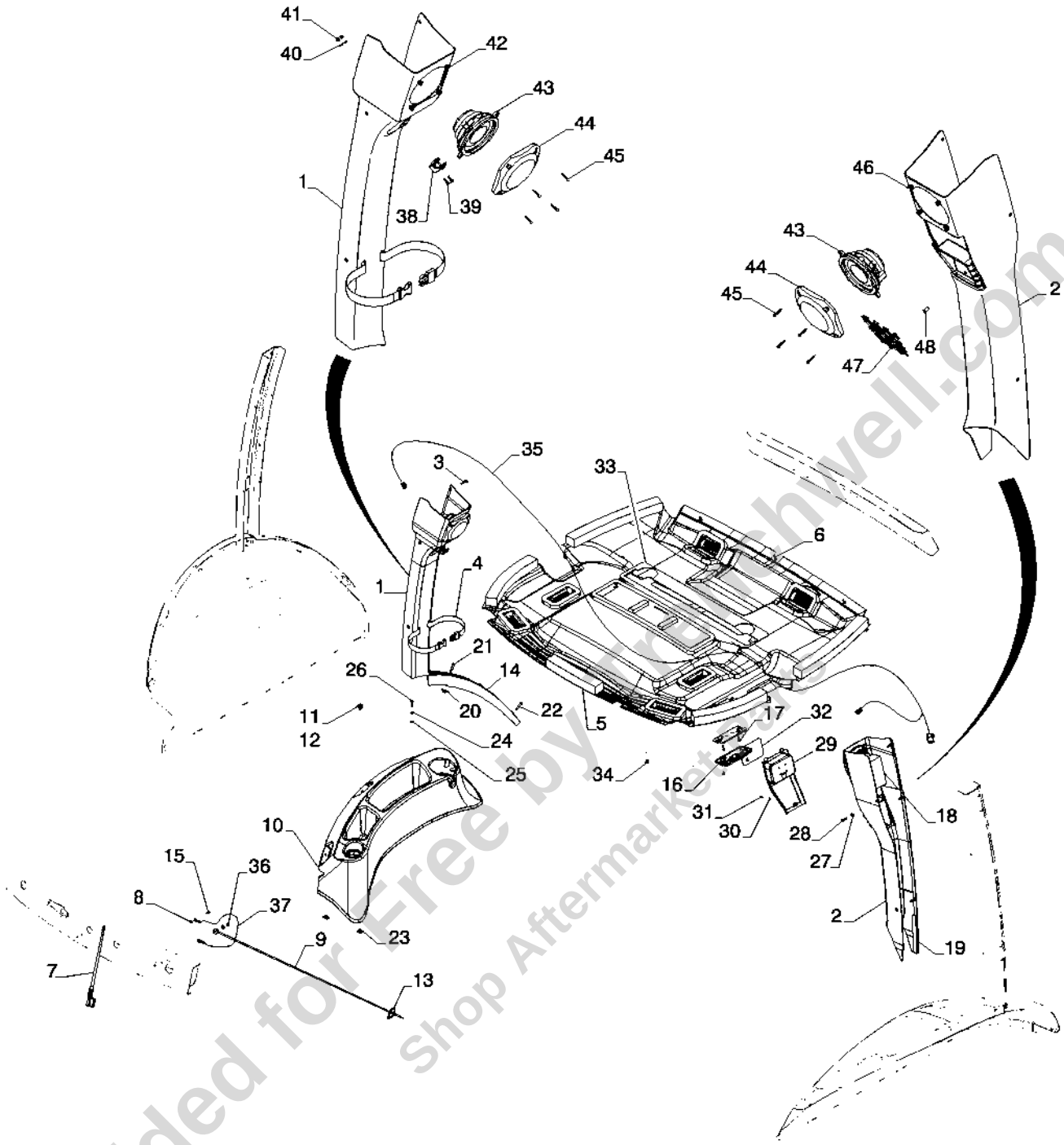
90.150.02	02	p2	10/10

CAB - TRIM AND COVERS



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CAB - TRIM AND COVERS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
36		825-2405		1	NUT, M5 x .8, Flg, Cl 8
37		291010A1		1	WIRE
38		114549A1		1	COAT HOOK
39		87310147		2	SCREW
40		895-11004		2	WASHER, M4
41		832-10404		2	LOCK NUT, M4 x .7, Cl 8
42		177269A1		4	NUT, M4.2
43		182721A2		2	SPEAKER
44		187281A1		2	COVER
45		761-17325		8	SELF-TAP SCREW, Pan Hd, M4.2 x 25
46		177269A1		4	NUT, M4.2
47		84224377		1	NET
48		87603595		1	NUT

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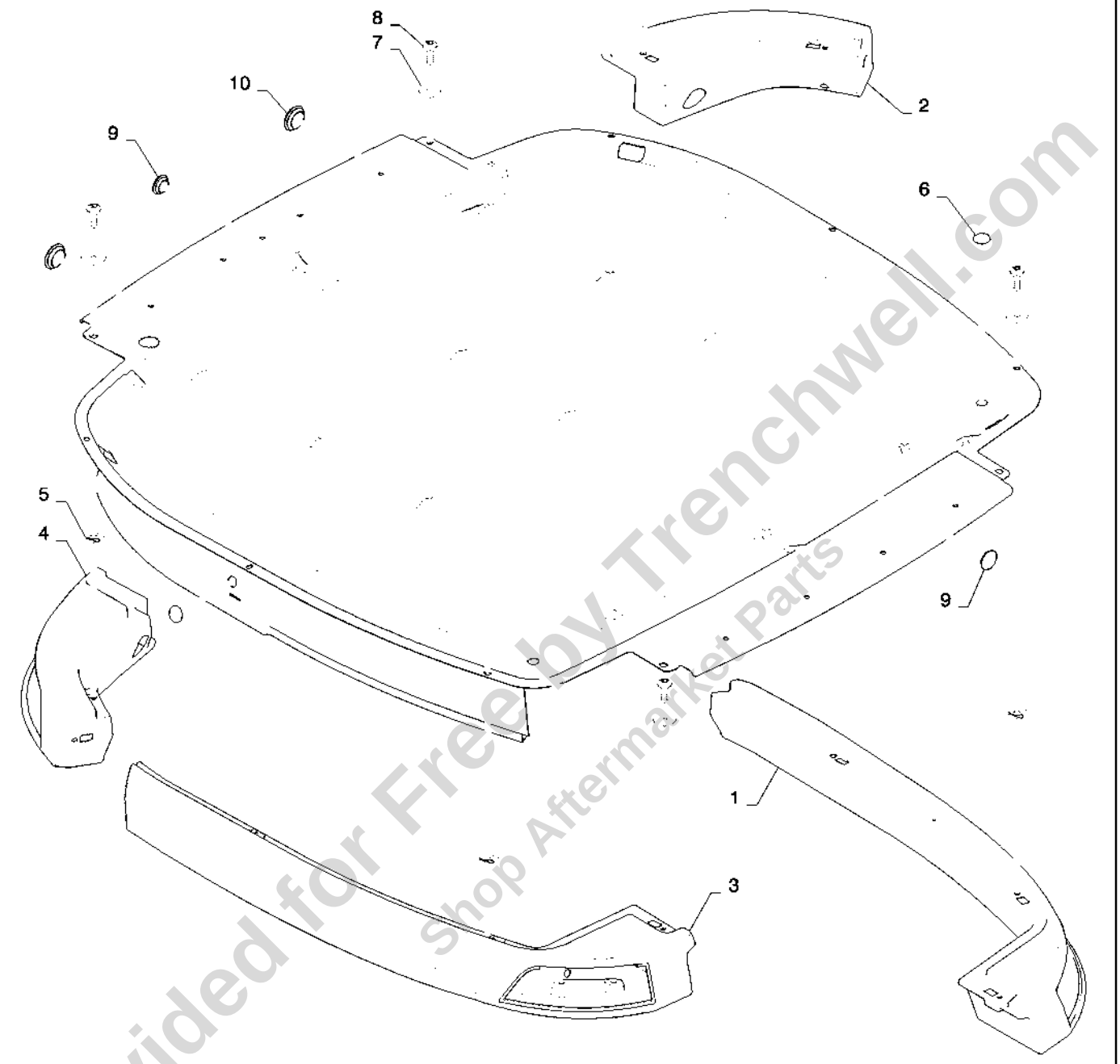
90.150.03		p1	01/12

CAB ROOF LIGHT PODS



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CAB ROOF LIGHT PODS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84327783		1	HOUSING, LH Front
2		84327782		1	HOUSING, LH Rear
3		84327784		1	HOUSING, RH Front
4		84327785		1	HOUSING, RH Rear
5		833-40406		14	NUT, M6, U
6		395388A1		3	PLUG, Liquid Tight
7		395387A1		14	WASHER
8		84270430		14	SCREW
9		14507887		2	PLUG, M30
10		14508087		2	PLUG, M40

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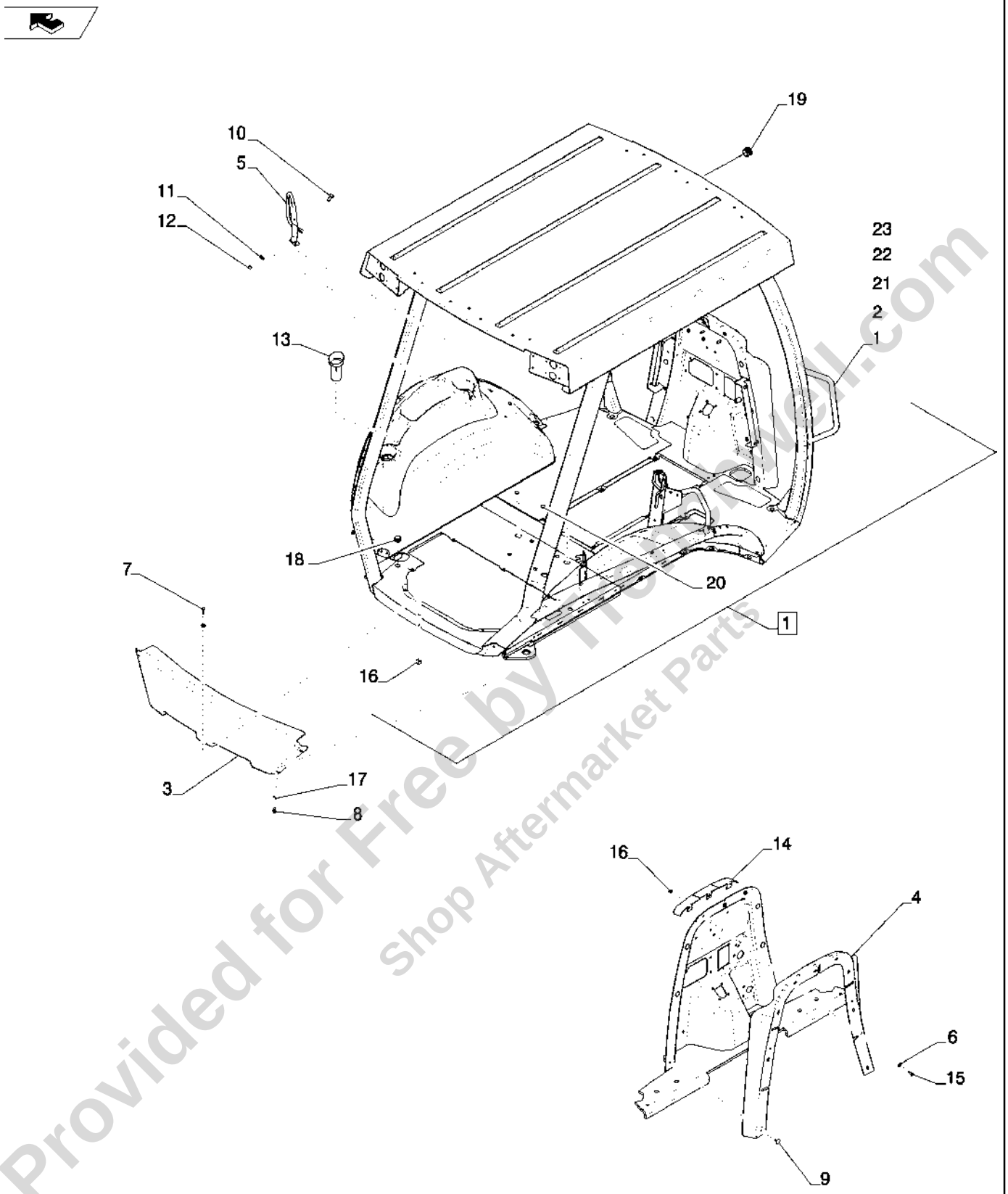
90.150.09		p1	02/12

CANOPY, ROPS - FRAME, COVERS, MIRROR, VISOR



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CANOPY, ROPS - FRAME, COVERS, MIRROR, VISOR

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84242860		1	CANOPY, 580N, 580SN
1		84242861		1	CANOPY, 580SN WT, 590SN
2		84190161		1	CANOPY, Weldment; Narrow Painted
2		84190159		1	CANOPY, Weldment; Wide Painted
3		86992977		1	PANEL, Rear Closure
4		396938A3		1	MOLDING, Firewall
5		87627072		1	GRAB RAIL
6		495-81001		3	WASHER, 5/16"
7		87310154		1	BOLT
8		781-24820		4	SELF-TAP SCREW, Hex Flg Hd, M8 x 20
9		D143242		6	PLUG
10		87310177		2	BOLT
11		495-81267		2	WASHER, .469" x 1 1/2" x .134"
12		832-10410		2	LOCK NUT, M10 x 1.5, Cl 8
13		378742A3		1	INSERT
14		395478A3		1	BRACKET, Firewall Molding
15		614-8020		3	BOLT, Hex, M8 x 20, 8.8
16		832-10408		4	LOCK NUT, M8 x 1.25, Cl 8
17		895-15008		4	WASHER, M8 x 20 x 1.6
18		382298A1		2	PLUG
19		411549A1		1	PLUG
20		353-413		2	PLUG, Dome, 1.187" hole, Nylon
21		84190157		1	CANOPY, Deluxe Narrow
22		84190158		1	CANOPY, Deluxe Wide
23		84190163		1	CANOPY, Malaysian Painted
24		87310185		1	WASHER, (Not Shown); Use With Ref 7

580N 580SN WT
590SN 580SN

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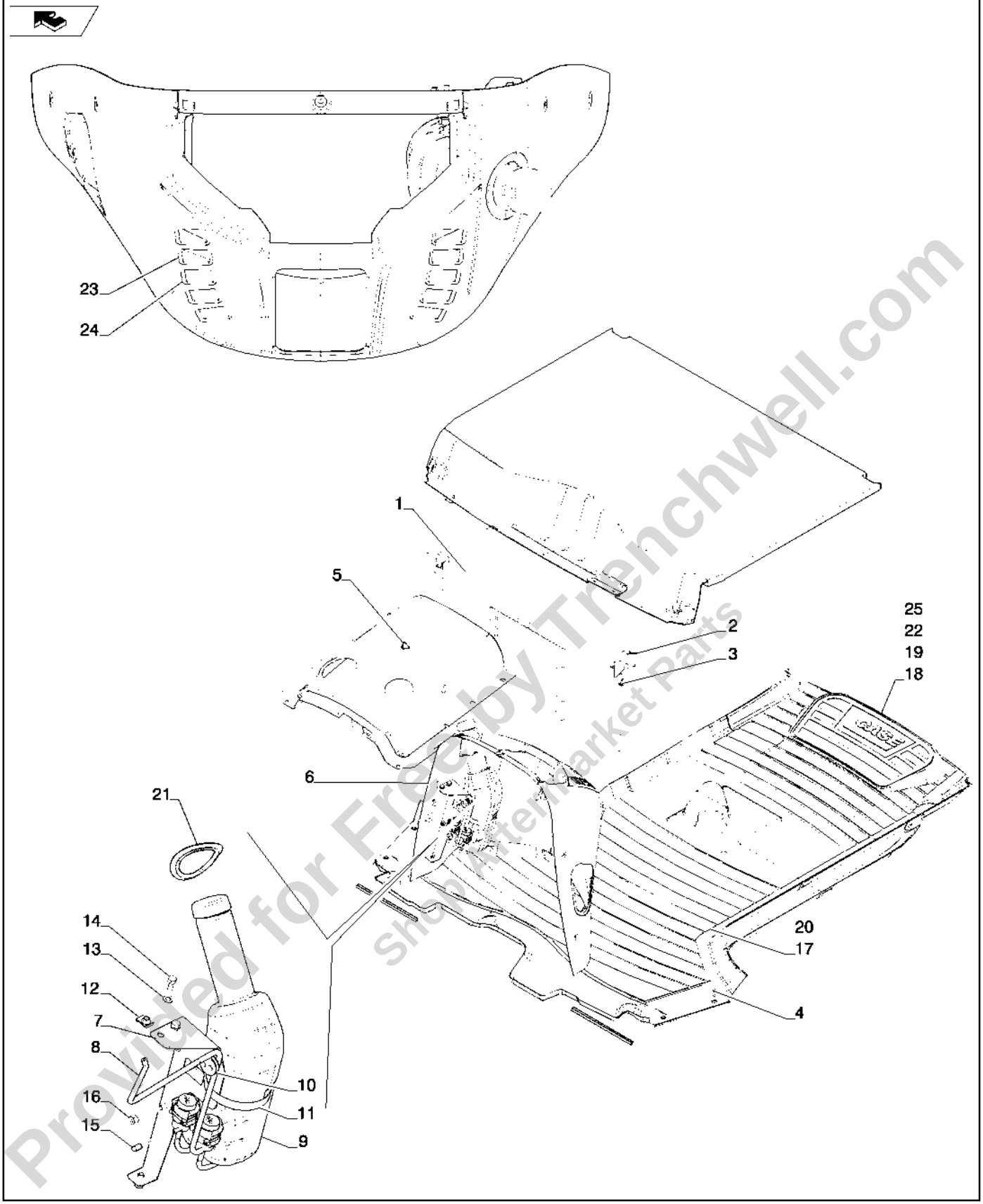
90.150.10		p1	08/11

CANOPY, ROPS - DELUXE



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CANOPY, ROPS - DELUXE

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84242867		1	CANOPY, Deluxe; 580N, 580SN
		84242868		1	CANOPY, Deluxe; 580SN WT, 590SN
1		364180A1		1	VISOR, SUN
2		409618A1		2	PLATE, Visor mounting
3		396516A1		2	SCREW,POINTED
4		280-16516		4	SELF-TAP SCREW, Hex Wash Hd, #10 x 1"
5		E43769		1	SPRAY, Nozzle windshield
6		87694305		1	CONSOLE
7		87491347		1	BRACKET
8		87699640		1	HOSE WASHER, 3.56 mm ID, 4.37 mm ID x 700.00 mm, SAE J1037
9		87675209		1	WINDSHIELD WASH RESERVOIR
10		87637384		1	GROMMET
11		214-3180		1	HOSE CLAMP, 4.25/5.125 HD Worm
12		833-40408		3	NUT, M8, U
13		895-11008		5	WASHER, M8 x 16 x 1.6
14		614-8020		5	BOLT, Hex, M8 x 20, 8.8
15		87441758		1	CAP
16		832-10408		2	LOCK NUT, M8 x 1.25, Cl 8
17		391625A2		1	FLOOR MAT, Front, wide- two piece (580sn wt, 590sn)
18		86983325		1	FLOOR MAT, Rear, two piece w/ mechanical controls (580n, 580sn)
19		86993773		1	FLOOR MAT, Rear, wide- two piece w/ mechanical controls (580sn wt, 590sn)
20		390551A2		1	FLOOR MAT, Front two piece (580n, 580sn)
21		87748047		1	RUBBER SEAL
22		84224308		1	FLOOR MAT, Rear, wide w/ pilot (580sn wt, 590sn)
23		84222277		1	SWITCH, Windshield wiper
24		84222279		1	WINDSHIELD WASHER SWITCH
25		84224307		1	FLOOR MAT, Rear, narrow w/ pilot (580n, 580sn)

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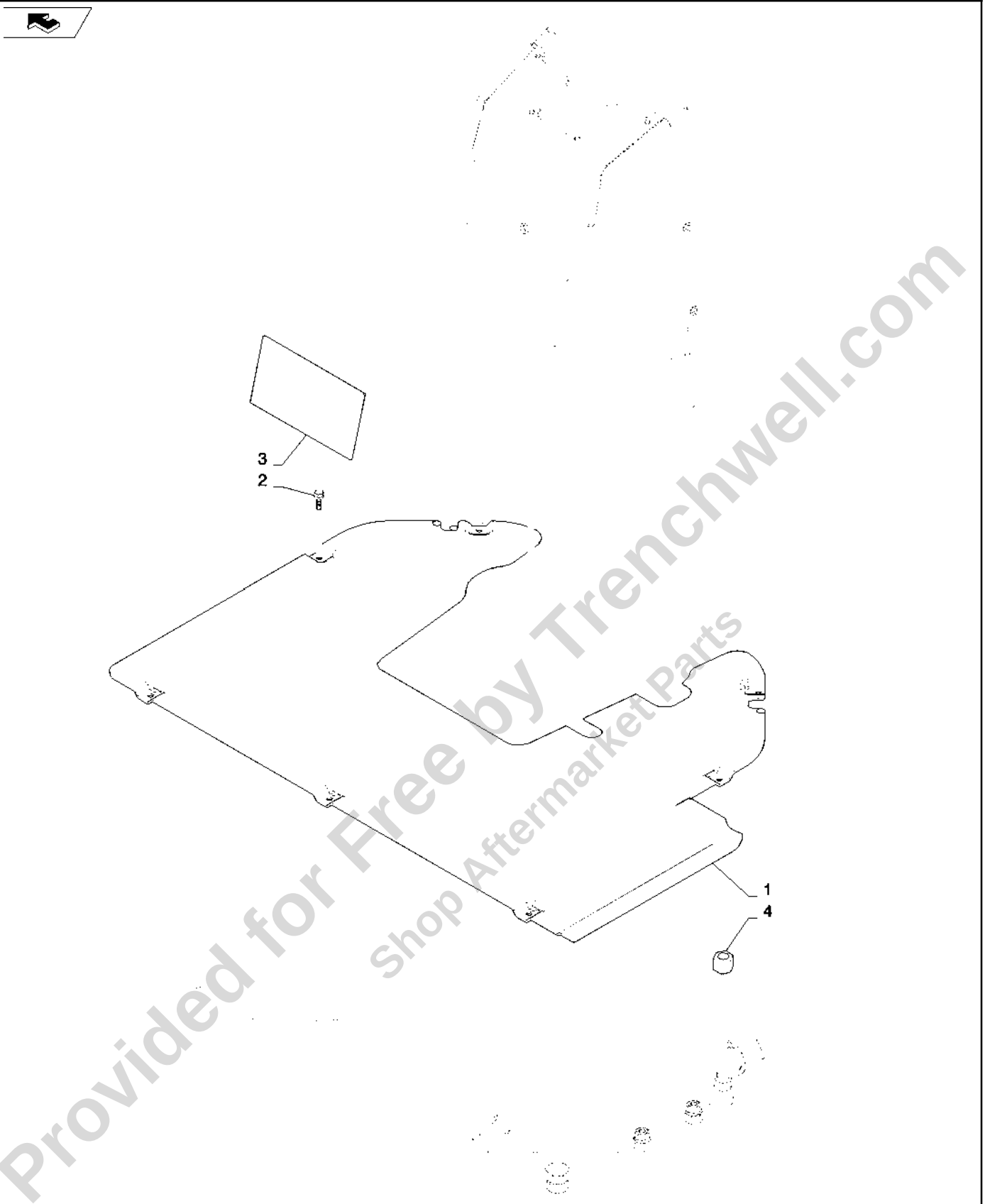
90.150.11		p1	10/11

REAR ACCESS PANEL (WITH MECHANICAL CONTROLS)



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REAR ACCESS PANEL (WITH MECHANICAL CONTROLS)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84399303		1	COVER, Rear Access Panel
2		87310096		7	BOLT
3		87435938		1	WARNING DECAL, Tipping
4		87331950		1	CAP ASSY., Hydraulic Return Manifold Tube

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90.154.02		p1	03/11

CAB - DOORS

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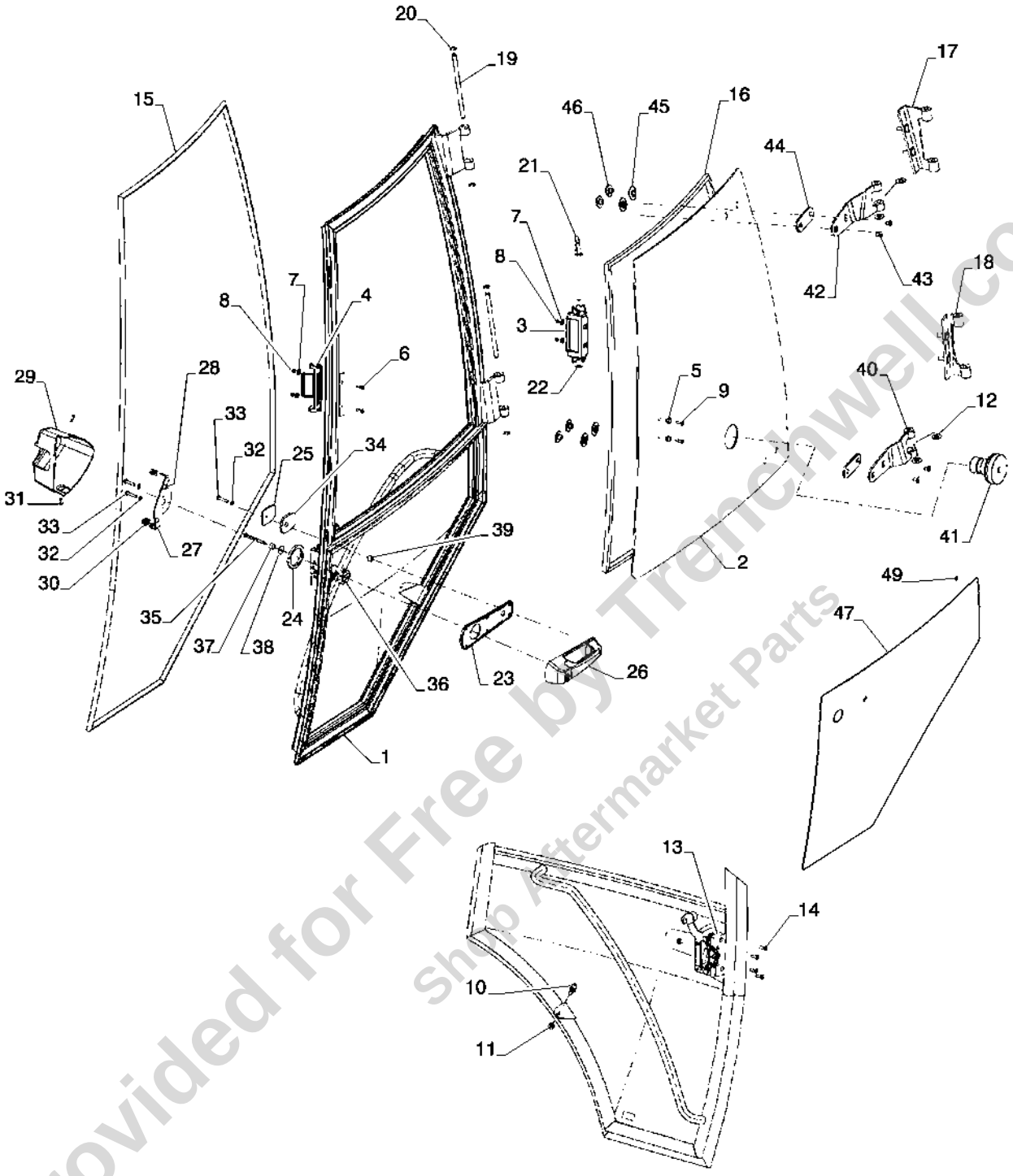

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CAB - DOORS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84224312		1	FRAME, Left Hand Door
1		84224327		1	FRAME, Right Hand Door (Not Shown)
2		84261868		1	GLASS, Left Hand Door
2		84261869		1	GLASS, Right Hand Door (Not Shown)
3		87344860		1	HANDLE
4		87344859		1	LATCH
5		F64198		2	SPACER
6		140-107		2	SCREW, Cross Pan Hd, #10-24 x 3/4"
7		195-81023		4	WASHER, #12
8		F45165		4	SAFETY NUT
9		142-103		2	SCREW, Cross Oval Hd, #10-24 x 3/4"
10		432431A1		1	STUD
11		832-10408		1	LOCK NUT, M8 x 1.25, Cl 8
12		391845A1		6	WASHER
13		84224348		1	LATCH, Left Hand Door
13		84224349		1	LATCH, Right Hand Door (Not Shown)
14		569-4		4	SCREW, Hex Soc Flat Hd, M6 x 20, 8.8
15		390838A1		1	RUBBER STRIP, Left Hand Door
15		394707A1		1	RUBBER STRIP, Right Hand Door (Not Shown)
16		391850A1		1	SEAL, GLASS, Left Hand Door
16		394708A1		1	SEAL, GLASS, Right Hand Door (Not Shown)
17		84282063		1	HINGE, Left Hand Door, B Pillar Upper
17		84282074		1	HINGE, Right Hand Door, B Pillar Upper (Not Shown)
18		84282068		1	HINGE, Left Hand Door, B Pillar Lower
18		84282079		1	HINGE, Right Hand Door, B Pillar Lower (Not Shown)
19		84282083		2	PIN
20		442773A1		4	CIRCLIP
21		87534372		1	ROD
22		87534717		1	ROUND NUT
23		84224344		1	GASKET
24		391838A1		1	GASKET
25		391848A1		1	BACK PLATE
26		84224317		1	HANDLE
27		84224347		1	BRACKET, SUPPORTING, Left Hand Door

580N 580SN WT
590SN 580SN

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90.154.02		p2	03/11

CAB - DOORS

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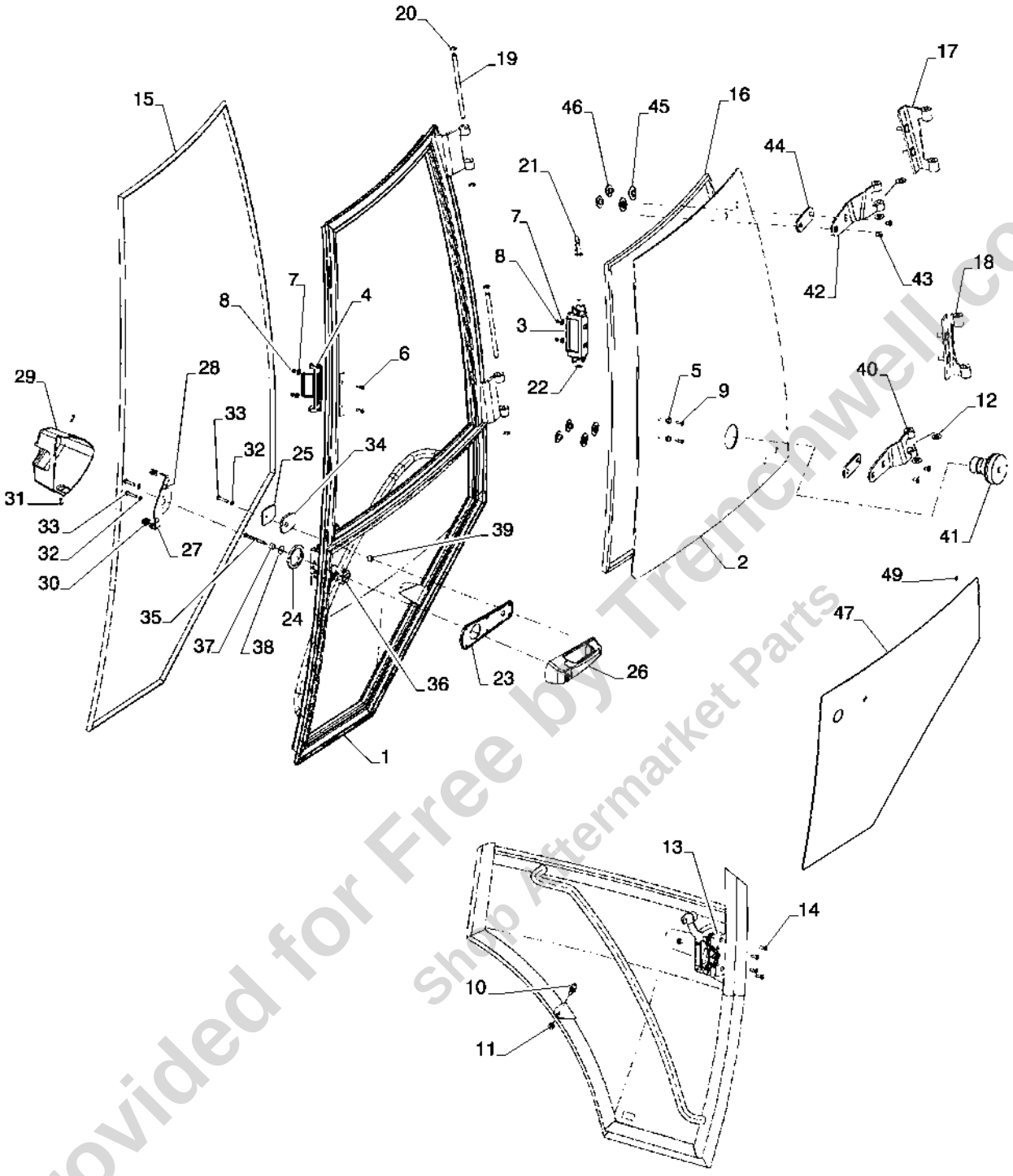

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CAB - DOORS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
27		84224391		1	BRACKET, SUPPORTING, Right Hand Door (Not Shown)
28		391827A1		2	SPACER
29		84224346		1	COVER, Left Hand Door
29		84224390		1	COVER, Right Hand Door (Not Shown)
30		393209A1		2	SPECIAL NUT
31		390-100		2	SCREW, Cross Pan Hd, #10-32 x 5/8"
32		892-11006		3	LOCK WASHER, M6
33		84129691		3	SCREW
34		391847A1		1	GASKET
35		10903921		1	BOLT, Hex, M6 x 65, 8.8
36		84224389		1	SPACER
37		84224345		1	BUTTON
38		395387A1		1	WASHER
39		84224388		1	SPACER
40		84282069		1	HINGE
41		84224358		1	LATCH
42		84282064		1	HINGE, Left Hand Door, Upper
42		84282075		1	HINGE, Right Hand Door, Upper (Not Shown)
43		89509420		4	SCREW
44		84224336		2	SPACER
45		83961985		4	SPACER
46		84249588		4	SPECIAL NUT
47		84224316		1	GLASS,CAB, Left Hand Door Lower
48		84224331		1	GLASS,CAB, Right Hand Door lower (Not Shown)
49		391827A1		8	SPACER

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90.154.07		p1	09/11

CAB - DOOR MOUNTING

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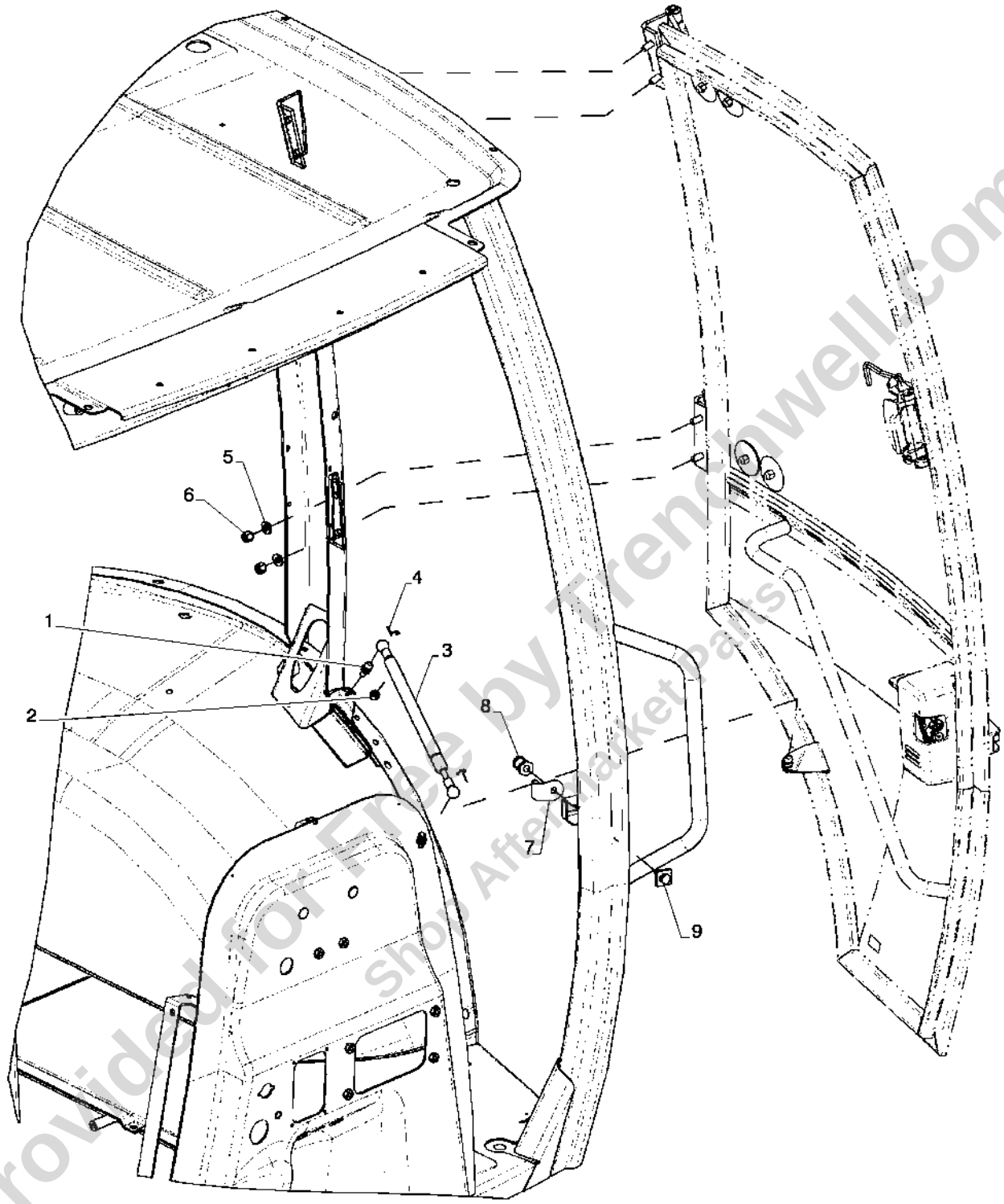

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CAB - DOOR MOUNTING

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		432431A1		1	STUD
2		832-10408		1	LOCK NUT, M8 x 1.25, Cl 8
3		394800A1		1	GAS STRUT
4		3233348R1		2	CLIP
5		87039401		4	WASHER, 13/32" x 13/16" x .134", HDN
6		232-1446		4	LOCK NUT, 3/8"-16, GC
7		393211A1	BSN NBC541095	1	GUARD
7		84405935	ASN NBC541096	1	GUARD
8		87411108	BSN NBC541095	1	SPECIAL BOLT, Female Thread
8		84405934	ASN NBC541096	1	BOLT, Male Thread
9		87753157	BSN NBC541095	1	STRIKER, Male Thread
9		84497747	ASN NBC541096	1	STRIKER PLATE, Female Thread

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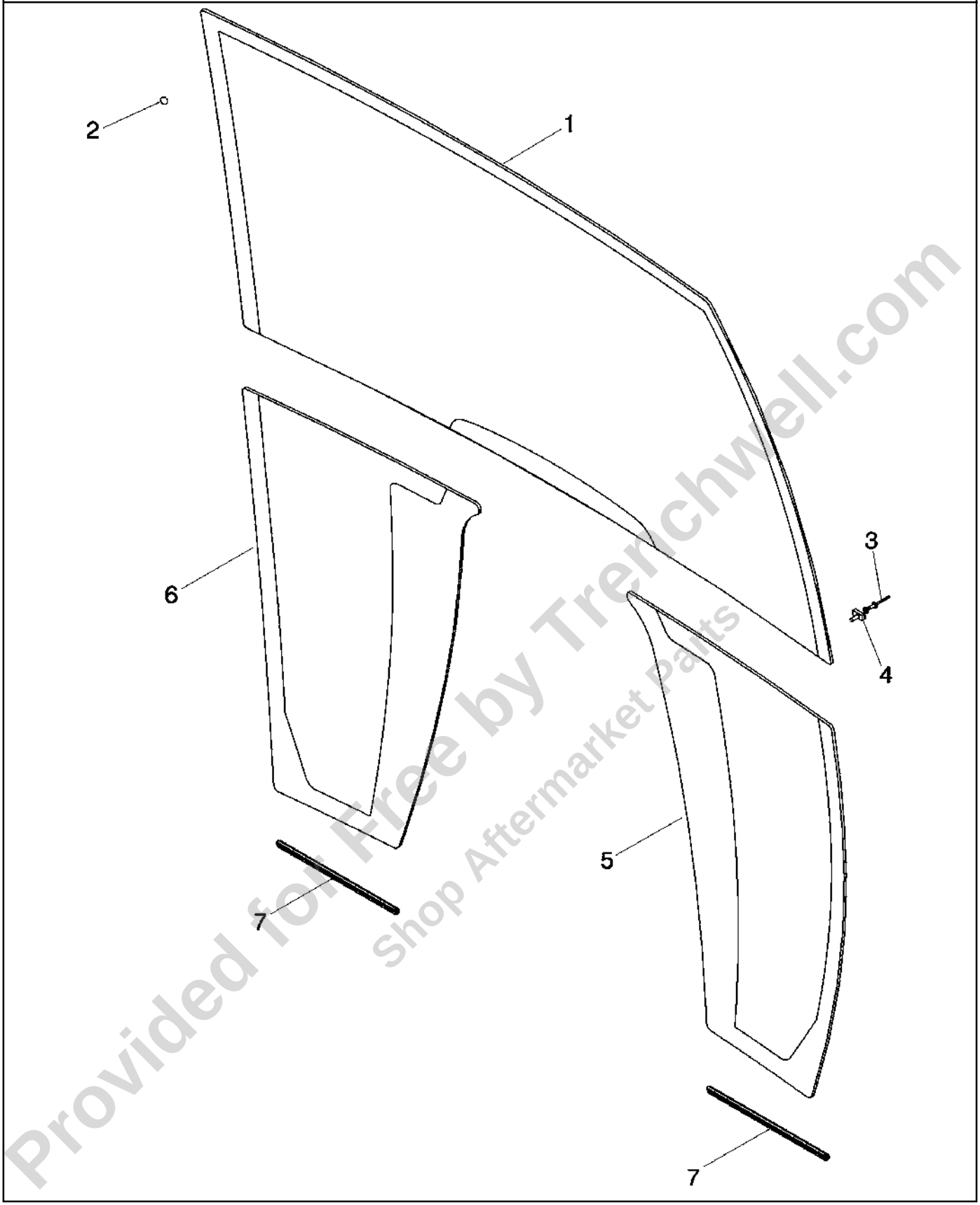
90.156.02		p1	08/10

CANOPY, ROPS - GLASS



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CANOPY, ROPS - GLASS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		448607A1		1	GLASS
2		391827A1		28	SPACER
3		151-516		2	RIVET, Pop, 1/8" x .775"
4		279482A1		2	CLAMP
5		448609A1		1	GLASS, Lower; Right-Hand
6		448608A1		1	GLASS, Lower; Left-Hand
7		395793A1		2	PROTECTION STRIP, Lower Glass Trim

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580N 580SN WT
590SN 580SN

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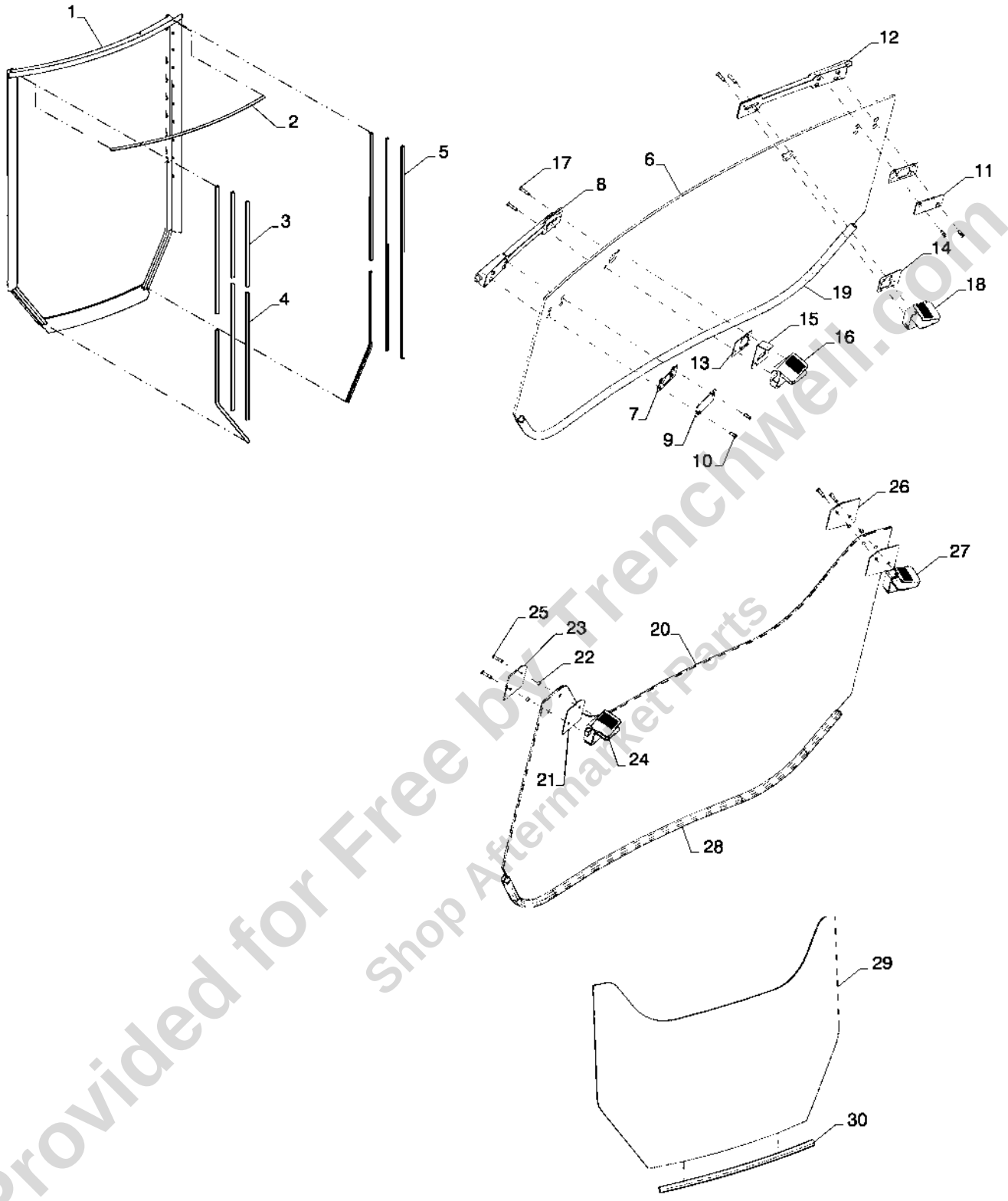
90.156.03		p1	06/11

CAB - WINDOW, REAR

-



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CAB - WINDOW, REAR

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87435929		1	WINDOW FRAME
2		400494A1		1	SEAL
3		404229A1		2	SEAL
4		404228A1		6	SEAL
5		404227A1		2	SEAL
6		352208A1		1	GLASS,CAB
7		402843A1		2	PLATE
8		411910A1		1	LATCH
9		87423503		1	BACK PLATE
10		87445051		4	HEX SOC SCREW
11		87423502		1	BACK PLATE
12		411911A1		1	LATCH
13		402844A1		1	PLATE
14		402845A1		1	PLATE
15		402836A1		1	BRACKET
16		411914A1		1	LATCH
17		87435453		4	HEX SOC SCREW
18		411912A1		1	LATCH
19		395348A1		1	SEAL
20		352209A1		1	GLASS,CAB
21		NS		2	NOT SERVICED
22		NS		4	NOT SERVICED
23		NS		1	NOT SERVICED
24		411909A1		1	LATCH
25		87435453		4	HEX SOC SCREW
26		87426969		1	BACKING PLATE, Left Hand
27		411908A1		1	LATCH
28		395348A1		1	SEAL
29		352210A1		1	GLASS,CAB
30		410867A1		1	GASKET

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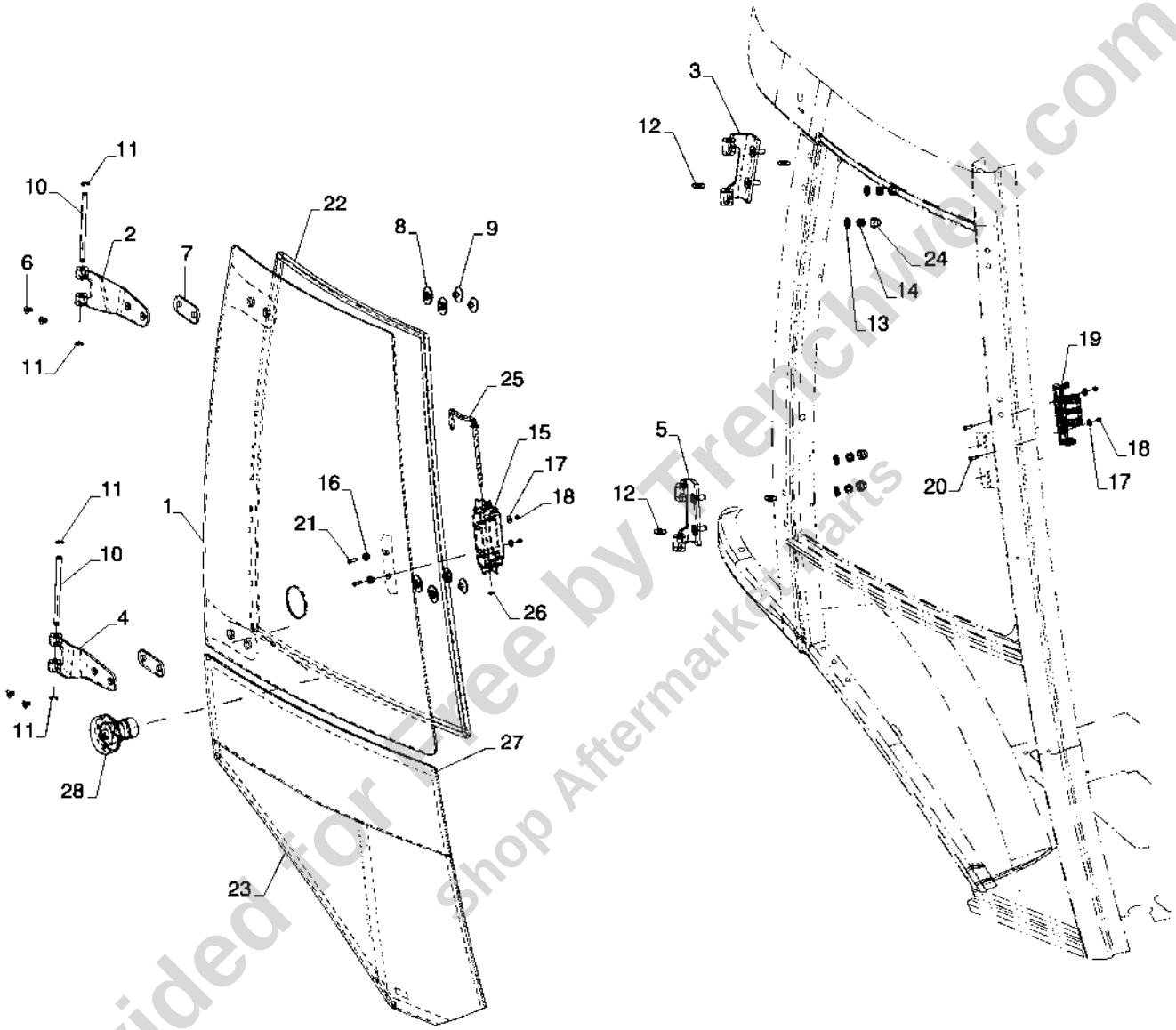
CAB - WINDOW, RIGHT HAND, FOR SINGLE DOOR CAB FRAMES

-



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CAB - WINDOW, RIGHT HAND, FOR SINGLE DOOR CAB FRAMES

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84261870		1	GLASS
2		84282075		1	HINGE
3		84224394		1	HINGE
4		84282080		1	HINGE
5		84224396		1	HINGE
6		89509420		4	SCREW
7		84224336		2	SPACER
8		83961985		4	SPACER
9		84249588		4	SPECIAL NUT
10		84282086		2	PIN
11		442773A1		4	CIRCLIP
12		391845A1		4	WASHER
13		87039401		4	WASHER, 13/32" x 13/16" x .134", HDN
14		232-1446		4	LOCK NUT, 3/8"-16, GC
15		87344860		1	HANDLE
16		F64198		2	SPACER
17		195-81023		4	WASHER, #12
18		F45165		4	SAFETY NUT
19		87344859		1	LATCH
20		140-107		2	SCREW, Cross Pan Hd, #10-24 x 3/4"
21		142-103		2	SCREW, Cross Oval Hd, #10-24 x 3/4"
22		394864A1		1	SEAL, GLASS
23		84246309		1	GLASS
24		396841A1		4	CAP
25		87534372		1	ROD
26		87534717		1	ROUND NUT
27		391827A1		5	SPACER
28		84224358		1	LATCH

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590SN 580SN

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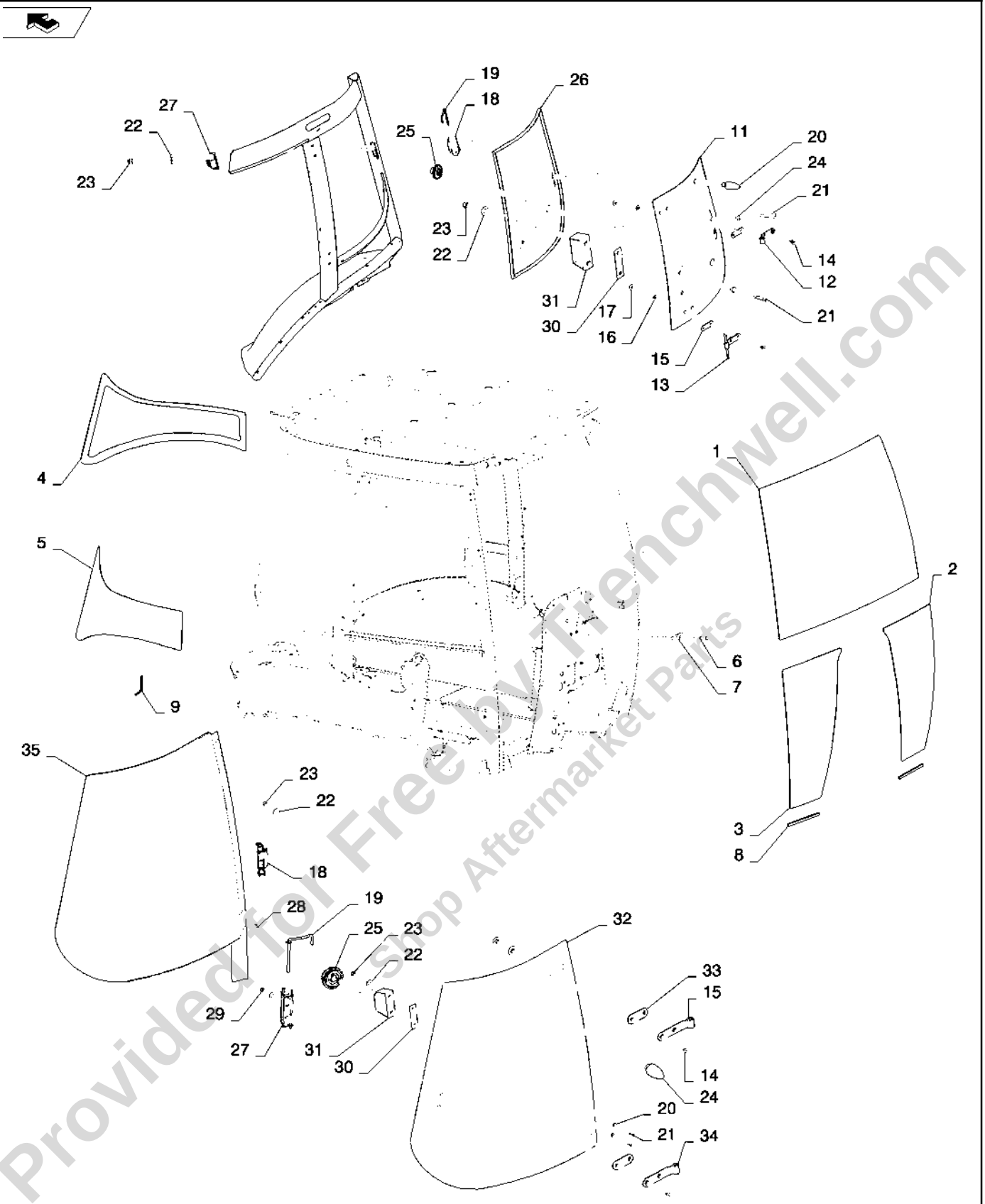
CAB - GLASS, MIRROR AND HOLD OPEN



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CAB - GLASS, MIRROR AND HOLD OPEN

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84246306		1	GLASS, Front
2		84246307		1	GLASS, Left Hand Front
3		84246308		1	GLASS, Right Hand Front
4		84224342		1	GLASS, Left Hand Rear Lower
5		84224343		1	GLASS, Right Hand Rear Lower
6		279482A1		2	CLAMP
7		151-516		2	RIVET, Pop, 1/8" x .775"
8		395793A1		2	PROTECTION STRIP
9		87753087		2	PROTECTOR
10		391827A1		33	SPACER, (Not Shown)
11		84261871		1	GLASS, Left Hand Rear Quarter
12		84282065		1	HINGE, Left Hand Upper
13		84282071		1	HINGE, Left Hand Lower
14		89509420		8	SCREW
15		84224336		4	SPACER
16		83961985		8	SPACER
17		84249588		8	SPECIAL NUT
18		87344860		2	HANDLE
19		87534372		2	ROD
20		F64198		8	SPACER
21		142-103		8	SCREW, Cross Oval Hd, #10-24 x 3/4"
22		195-81023		12	WASHER, #12
23		F45165		12	SAFETY NUT
24		84224398		2	BUMPER
25		84224399		2	LATCH
26		84224360		1	RUBBER SEAL, Left Hand Rear Quarter
27		87344859		2	LATCH
28		140-107		4	SCREW, Cross Pan Hd, #10-24 x 3/4"
29		87534717		2	ROUND NUT
30		R54047		2	PAD
31		97399C1		2	HANDLE
32		84261872		1	GLASS, Right Hand Rear Quarter
33		84282077		1	HINGE, Right Hand Upper
34		84282081		1	HINGE, Right Hand Lower
35		84224361		1	RUBBER SEAL, Right Hand Rear Quarter

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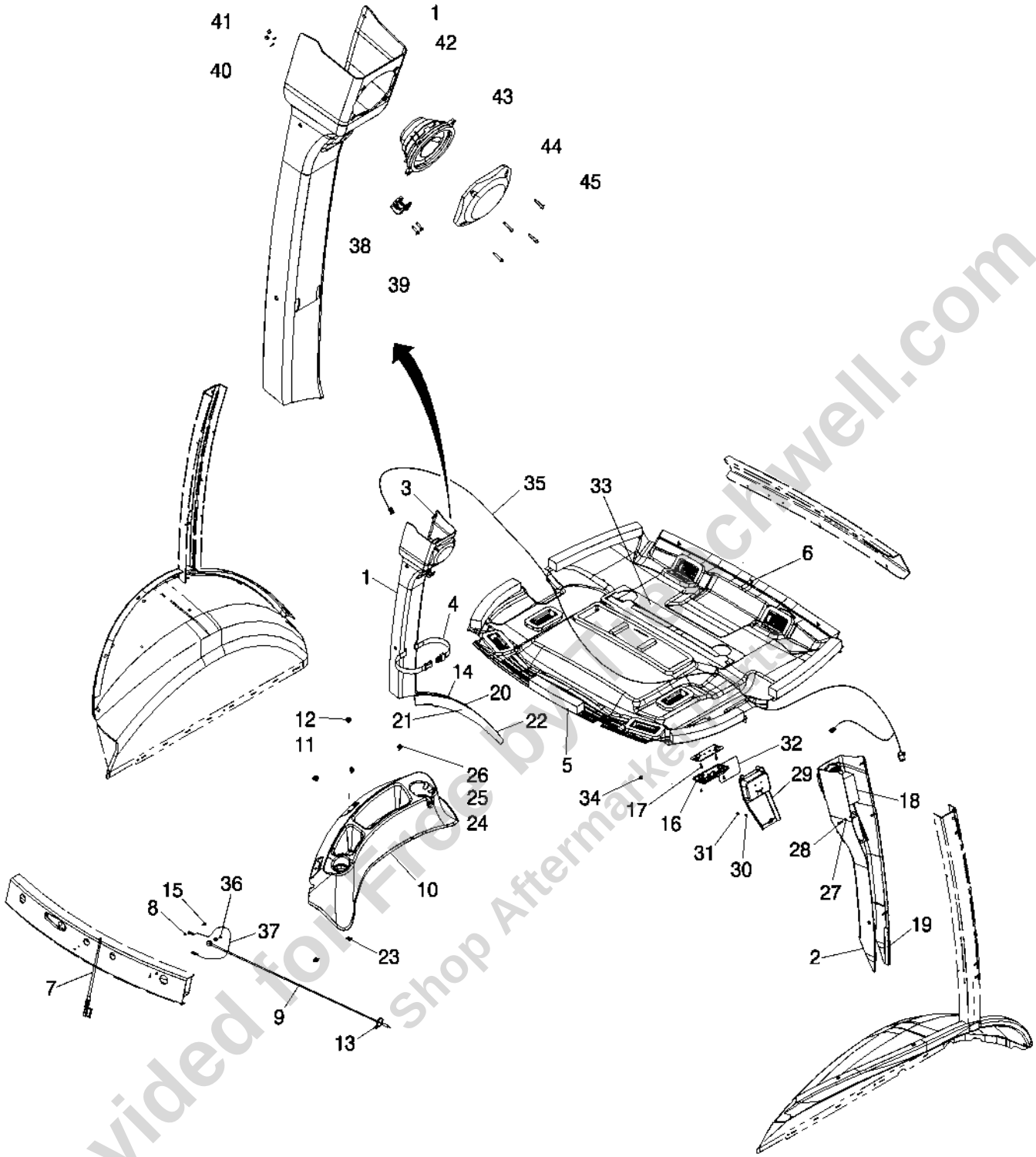
CAB - STANDARD INTERIOR TRIM



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CAB - STANDARD INTERIOR TRIM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87657148		1	COVER
2		84224372		1	COVER
3		401949A1		9	FASTENER
4		378227A1		1	STRAP
5		84224379		1	HEADLINER
6		396516A1		3	SCREW,POINTED
7		197745A1		1	ANTENNA
8		893-11005		1	LOCK WASHER, Ext Tooth, M5
9		381659A1		1	ELECTRIC CABLE
10		86992247		1	TRAY
11		87310186		2	WASHER
12		87310098		2	BOLT
13		L11541		1	CABLE STRAP
14		397026A3		1	TRIM
15		282-17512		1	SCREW, Hex Wash Hd, #10-16 x 3/4"
16		380719A2		1	INTERIOR LIGHT
17		281-54512		2	SCREW, Hex Wash Hd, #10-24 x 3/4"
18		412285A1		1	STRIP
19		414939A1		2	SEALING STRIP
20		131-869		3	NUT, Ret, J, #10-24
21		87534992		2	SELF-TAP SCREW
22		87310126		1	SCREW
23		833-40406		2	NUT, M6, U
24		87310146		4	WASHER
25		231-14109		2	LOCK NUT, #10-24, GB
26		87310127		2	SCREW
27		87713130		1	WASHER
28		840-1625		1	SCREW, Cross Pan Hd, M6 x 25
29		84224376		1	BEZEL
30		895-11004		1	WASHER, M4
31		840-1412		1	SCREW, Cross Pan Hd, M4 x 12
32		84224378		1	DECAL
33		382770A2		1	SEAL
34		353-403		1	PLUG, Dome, .437" hole, Nylon
35		382664A2		1	WIRE HARNESS

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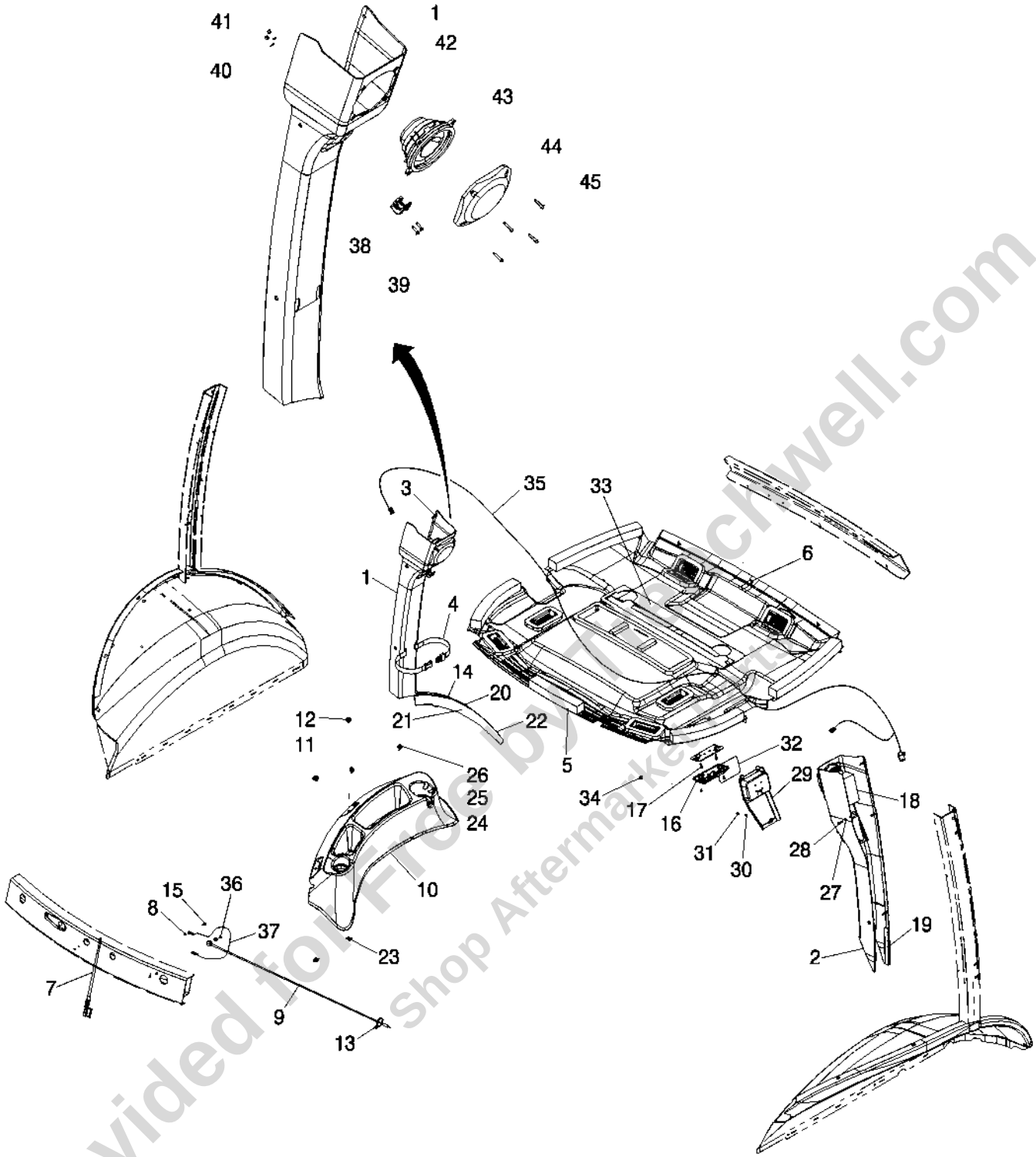
CAB - STANDARD INTERIOR TRIM



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CAB - STANDARD INTERIOR TRIM

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
36		825-2405		1	NUT, M5 x .8, Flg, Cl 8
37		291010A1		1	WIRE
38		114549A1		1	COAT HOOK
39		87310147		2	SCREW
40		895-11004		2	WASHER, M4
41		832-10404		2	LOCK NUT, M4 x .7, Cl 8
42		177269A1		4	NUT, M4.2
43		182721A1		1	SPEAKER
44		187281A1		1	COVER
45		761-17325		4	SELF-TAP SCREW, Pan Hd, M4.2 x 25

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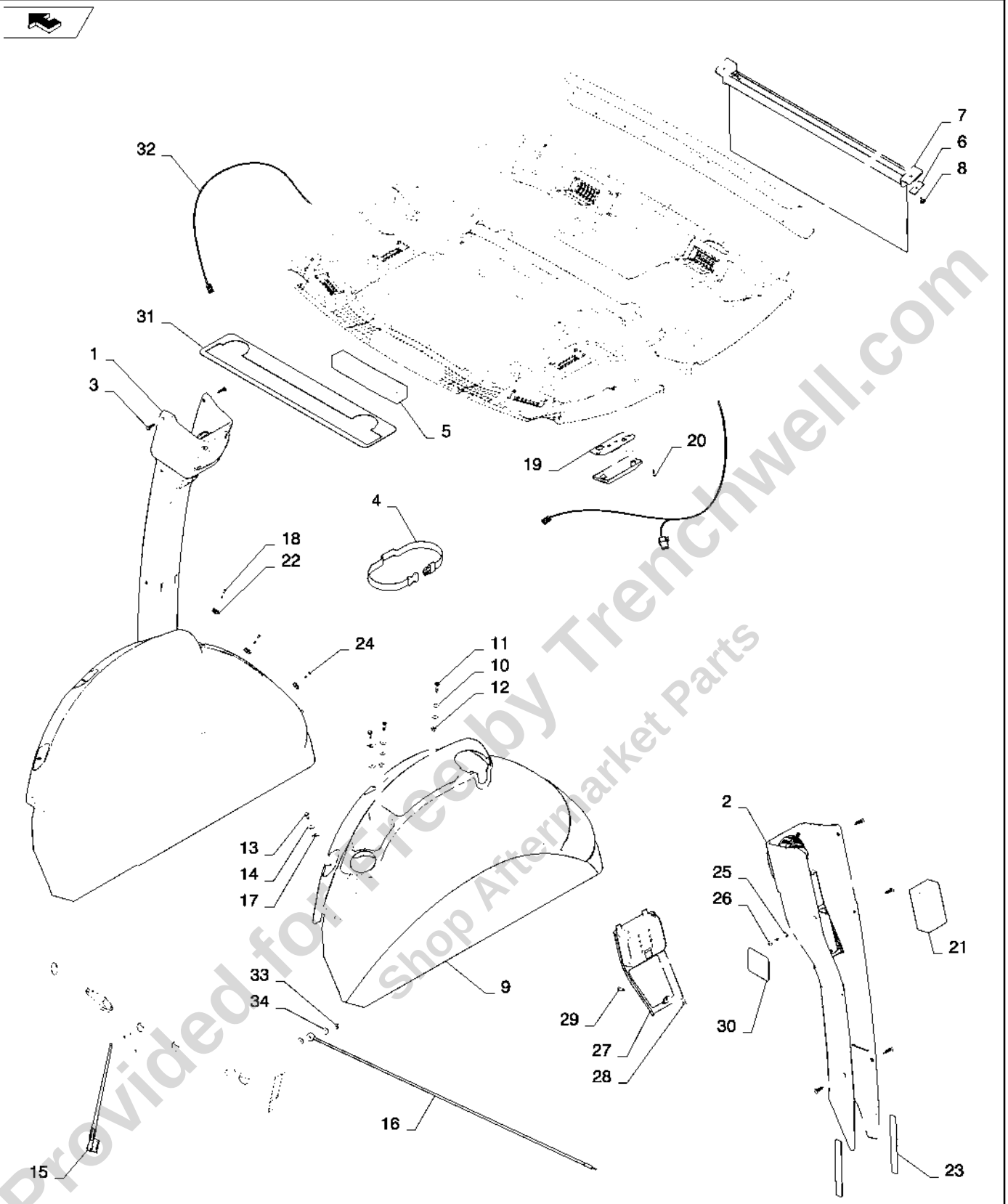
CAB - DELUXE INTERIOR TRIM (580N, 580SN)



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CAB - DELUXE INTERIOR TRIM (580N, 580SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		NS		1	NOT SERVICED, COVER ASSY; LH; See Figure 90.160.04
2		84224373		1	COVER ASSY, RH; See Figure 90.160.04
3		401949A1		10	FASTENER
4		378227A1		1	STRAP, Garment
5		84224380		1	HEADLINER
6		409618A1		2	PLATE, Visor Mounting
7		364180A1		1	VISOR, SUN
8		396516A1		3	SCREW,POINTED
9		86992245		1	COVER
10		87310146		4	WASHER
11		87310127		2	SCREW
12		231-14109		2	LOCK NUT, #10-24, GB
13		87310098		2	BOLT
14		833-40406		2	NUT, M6, U
15		197745A1		1	ANTENNA
16		381659A1		1	ELECTRIC CABLE, Antenna
17		87310186		2	WASHER
18		87534992		2	SELF-TAP SCREW
19		380719A2		1	INTERIOR LIGHT, Dome Light
20		281-54512		2	SCREW, Hex Wash Hd, #10-24 x 3/4"
21		412285A1		1	STRIP
22		397774A3		1	STRIP, LH Trim
23		414939A1		2	SEALING STRIP
24		87310126		1	SCREW
25		87713130		1	WASHER
26		840-1625		1	SCREW, Cross Pan Hd, M6 x 25
27		84224376		1	BEZEL, Radio
28		895-11004		1	WASHER, M4
29		87310147		1	SCREW
30		84224378		1	DECAL, No Radio
31		382770A2		1	SEAL, Headliner Filter Tray
32		382664A2		1	WIRE HARNESS, Cab Speaker
33		825-1405		1	NUT, M5, Cl 8
34		84292403		1	WASHER

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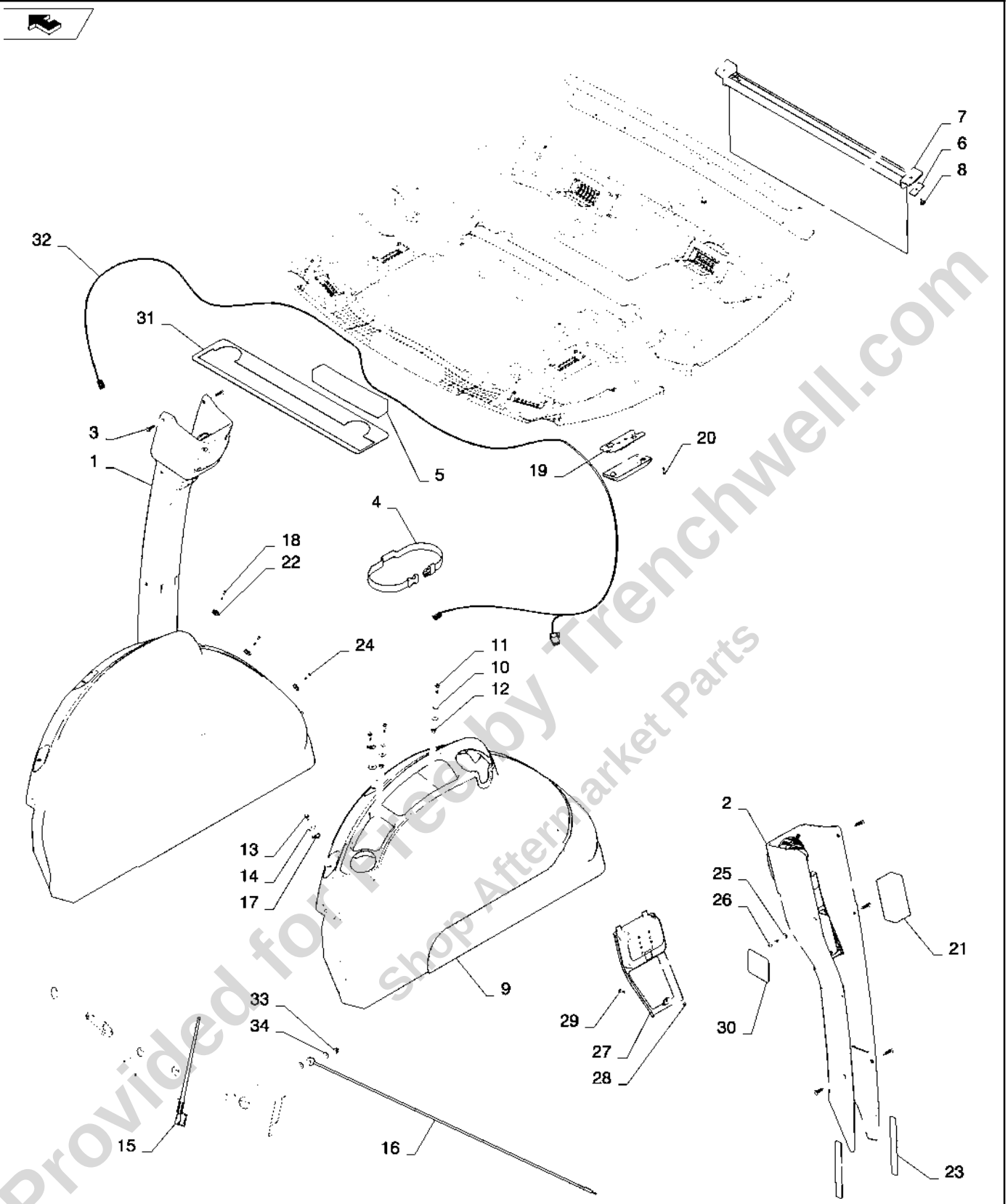
CAB - DELUXE INTERIOR TRIM (580SN WT, 590SN)



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CAB - DELUXE INTERIOR TRIM (580SN WT, 590SN)

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		NS		1	NOT SERVICED, COVER ASSY; LH; See Figure 90.160.04
2		84224373		1	COVER ASSY, RH; See Figure 90.160.04
3		401949A1		10	FASTENER
4		378227A1		1	STRAP, Garment
5		84224380		1	HEADLINER
6		409618A1		2	PLATE, Visor Mounting
7		364180A1		1	VISOR, SUN
8		396516A1		3	SCREW,POINTED
9		86992248		1	COVER, Wide Fender
10		87310146		4	WASHER
11		87310127		2	SCREW
12		231-14109		2	LOCK NUT, #10-24, GB
13		87310098		2	BOLT
14		833-40406		2	NUT, M6, U
15		197745A1		1	ANTENNA
16		381659A1		1	ELECTRIC CABLE, Antenna
17		87310186		2	WASHER
18		87534992		2	SELF-TAP SCREW
19		380719A2		1	INTERIOR LIGHT, Dome Light
20		281-54512		2	SCREW, Hex Wash Hd, #10-24 x 3/4"
21		412285A1		1	STRIP
22		397774A3		1	STRIP, LH Trim
23		414939A1		2	SEALING STRIP
24		87310126		1	SCREW
25		87713130		1	WASHER
26		840-1625		1	SCREW, Cross Pan Hd, M6 x 25
27		84224376		1	BEZEL, Radio
28		895-11004		1	WASHER, M4
29		87310147		1	SCREW
30		84224378		1	DECAL, No Radio
31		382770A2		1	SEAL, Headliner Filter Tray
32		382664A2		1	WIRE HARNESS, Cab Speaker
33		825-1405		1	NUT, M5, Cl 8
34		84292403		1	WASHER

580SN WT
590SN

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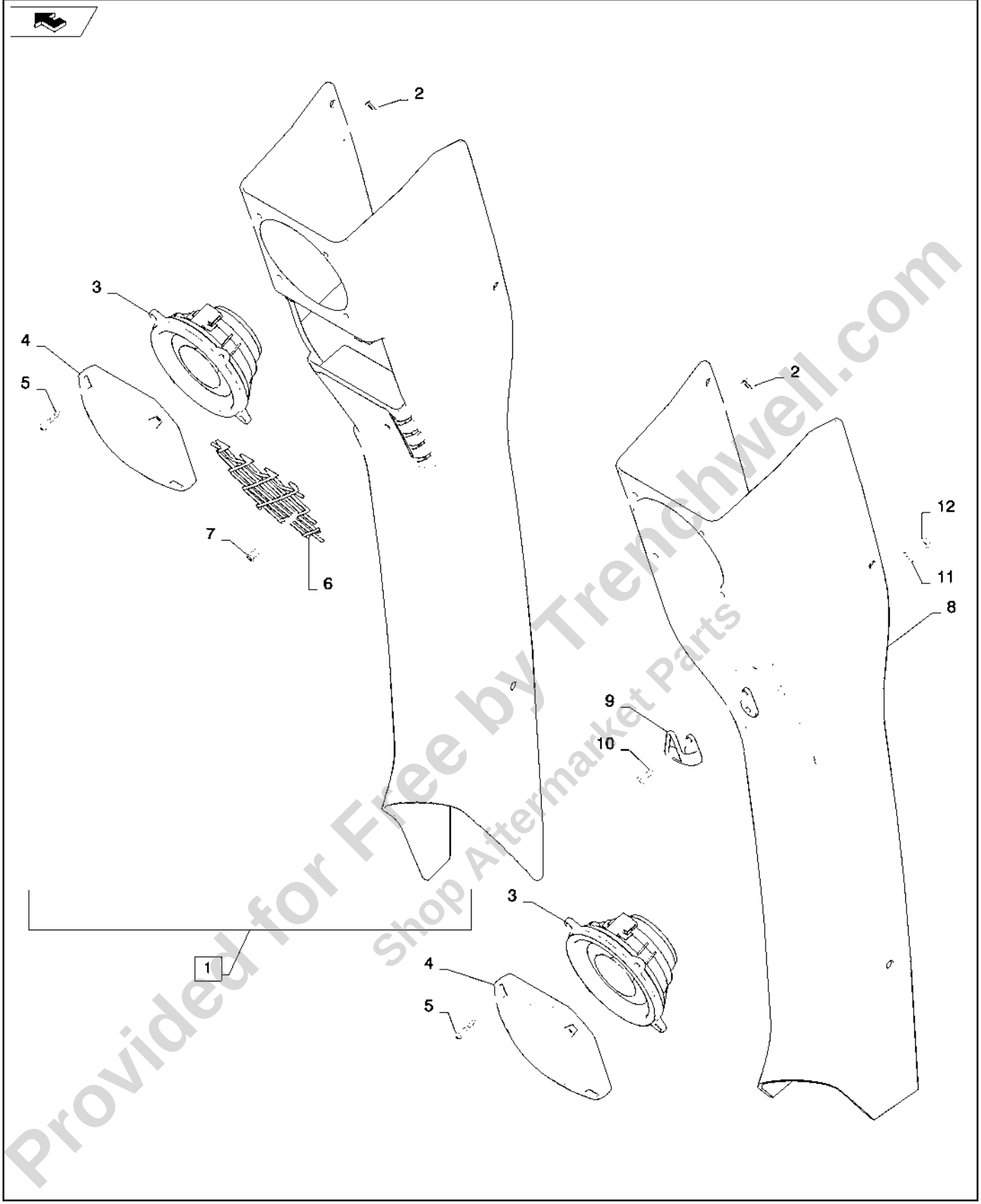
CAB - DELUXE POST COVERS



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CAB - DELUXE POST COVERS

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84224373		1	COVER ASSY, RH; Includes Ref 1 - 7
1		84224375		1	COVER ASSY, RH
2		177269A1		8	NUT, M4.2
3		182721A2		2	SPEAKER, 4 Ohm
4		187281A1		2	COVER, Speaker Grille
5		761-17325		8	SELF-TAP SCREW, Pan Hd, M4.2 x 25
6		84224377		1	NET, Cargo
7		87603595		1	NUT
8		84397644		1	COVER, LH
9		114549A1		1	COAT HOOK
10		87310147		2	SCREW
11		895-11004		2	WASHER, M4
12		832-10404		2	LOCK NUT, M4 x .7, Cl 8

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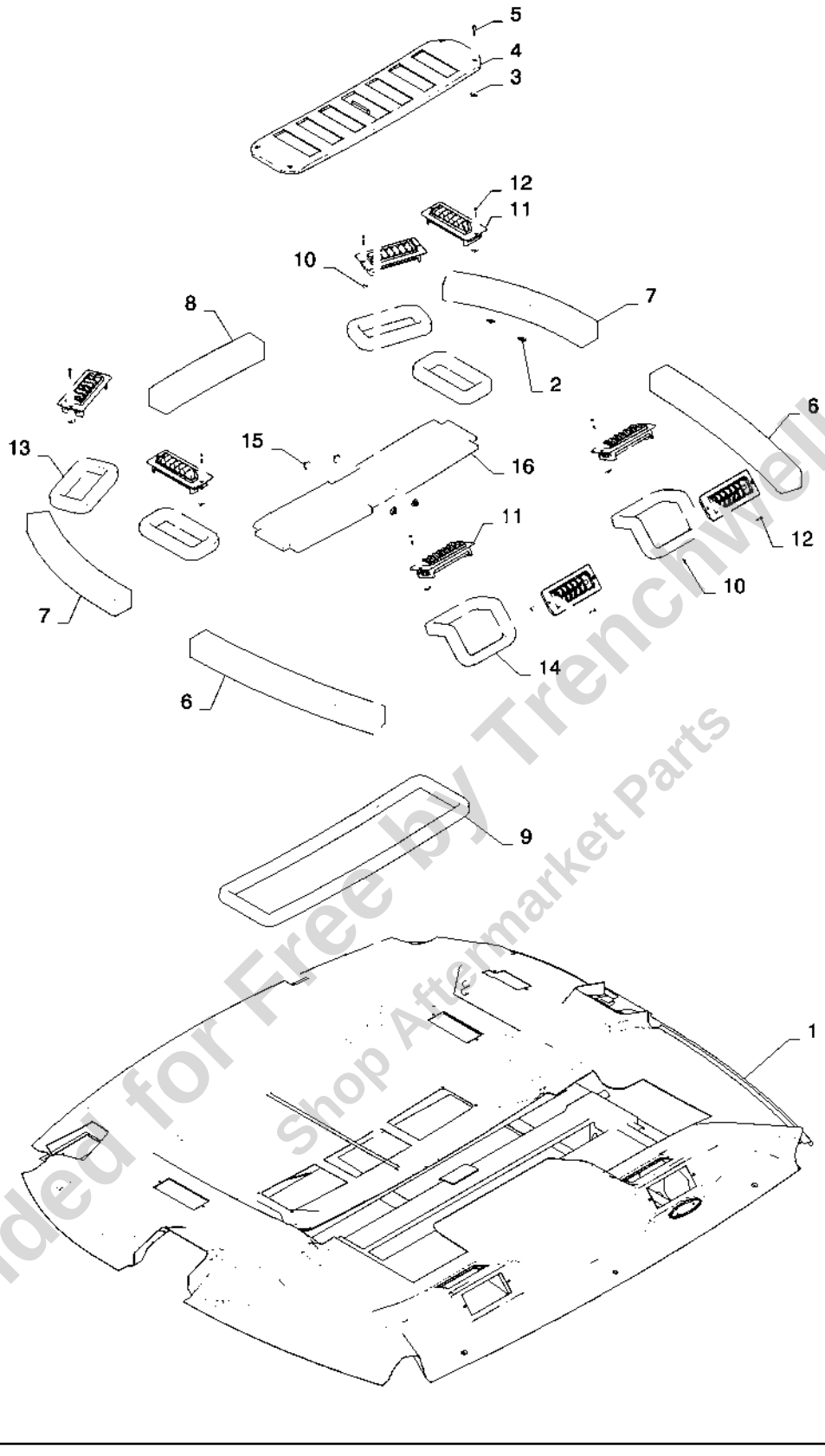
HEADLINER



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HEADLINER

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
		84224379		1	HEADLINER, Standard; Includes 84224381 and Ref 2 - 16
		84224380		1	HEADLINER, Deluxe; Includes 84224382 and Ref 2 - 16
1		84224381		1	HEADLINER, Standard
1		84224382		1	HEADLINER, Deluxe; With Foam (Not Shown)
2		131-861		2	NUT, Tinn, U, #10-24
3		177269A1		4	NUT, M4.2
4		369450A1		1	GRILLE
5		414600A1		4	SCREW
6		379160A1		2	SEAL
7		379161A1		2	SEAL, Rear
8		379209A1		1	SEAL, Rear Center
9		381972A1		1	SEAL, Recirc. To FA Duct
10		125749A1		16	NUT
11		363883A1		8	GRILLE
12		140-103		16	SCREW, Cross Pan Hd, #6-32 x 3/4"
13		84499076		4	SEAL, SEAL; Duct
14		368813A2		2	SEAL, Defrost
15		409723A1		4	PLUG
16		377594A5		1	FILTER, Recirculation

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
{}	05.100.01			103-1518	10.220.03		12
	05.100.01			103-16175	35.732.01	05	28
	05.100.01				90.120.10		3
	05.100.01			103-16200	35.730.04	01	15
	05.100.01				35.730.04	02	20
	05.100.01				35.730.04	03	6
	05.100.01				39.105.08		28
	05.100.01				39.105.09		33
	05.100.01			103-3350	39.125.01		29
	05.100.01			10401190	05.500.01	03	31
	05.100.01			10401290	05.500.01	03	32
	05.100.01			104824A1	39.125.01		23
	05.100.01			104907A1	44.520.03		1
	05.100.01			10717624	25.108.01	01	7
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	05.100.01				44.100.17	02	7
	05.100.01			10726611	41.216.06		8
	05.100.01			108088A1	35.724.03	01	11
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	05.100.01				35.724.07	02	8
	05.100.01			108366A1	55.408.01		4
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	05.100.01		8	10903921	90.154.02		35
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	35.726.16	01		112370A3	35.739.03		14
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{84574143}	21.134.01		11		39.100.02		4
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	35.739.03		13A		90.160.01		38
100016	35.726.13	02	18		90.160.04		9
	35.726.23		14	114882A2	41.200.02		20
	35.726.24		12		41.200.03		15
	35.738.02	02	19		41.204.08		2
	55.201.03		39	114980A1	90.100.04		7
100092	44.511.08		8	117395A1	35.726.13	02	21
100533A1	44.100.17	01	11	119241A1	44.520.03		1
100557A1	21.112.01	01	3	119242A2	44.520.03		1
	21.112.01	02	3	120062	35.701.05	01	25
	21.113.01	02	3		35.701.06	02	10
	21.113.01	04	3		35.726.23		5
	27.100.09		6		35.726.24		5
	27.100.10		6	120070	35.726.10	01	6
100696A1	39.125.01		3		35.738.02	01	10
100748A1	21.104.02		4		35.738.03	01	11
	21.104.03	01	9		35.738.03	02	34
	21.104.03	02	9		35.740.02	02	11
	21.113.01	01	2	120071	35.737.01	01	18
	21.155.15		3		35.737.01	02	23
100753A1	21.154.03		17		35.738.03	02	29
	21.154.03		17		35.740.02	01	29
100760A1	21.134.01		18	120073	35.701.16		1
	33.110.04		22		35.737.01	03	25
	33.110.05		22	120075	35.106.01	01	10
	33.110.06		22		35.106.01	04	10
101479A1	35.738.03	02	35	120104	21.104.02		6
	35.738.03	02	39		21.133.01		1
	35.740.02	01	35	120108	35.726.10	01	13
101531A1	55.408.01		9		35.726.11	01	15
102-12125	35.726.15		7		35.738.03	02	33
102-1387	41.204.05		4		35.740.02	01	33
102-23150	35.726.15		4	120112	35.738.02	02	22
102-23206	35.106.01	05	5		35.738.03	02	26
102761A1	35.724.03	01	12		35.740.02	01	26
	35.724.06		11	120113	35.726.08	01	15
	35.724.07	02	11		35.738.03	02	36
103-1475	35.726.22	01	10		35.740.02	01	36
103-1518	10.220.01		7	120114	35.740.01	01	14

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
120116	35.738.02	01	9	126918A1	35.726.19	02	13
120303A1	35.350.02		19	127009A1	90.100.09		6
	35.701.04	01	13		90.100.10		15
	35.701.05	01	15	127158A1	55.408.01		6
	35.701.06	01	13	128312A1	39.125.01		19
	35.701.06	02	15		55.404.01	01	20
	35.701.16		11		55.404.01	02	16
	35.726.08	01			55.512.14	02	3
	35.726.12	02	17		55.512.16	01	2
	35.726.20	01	30		55.512.16	03	2
	35.726.20	02	25		55.514.01		10
	35.726.21	01	31	128483A1	50.200.17	02	25
	41.200.02		21		50.200.17	02	26
	41.200.03		16		50.206.03		16
	41.200.04		25		50.206.03		9
121410A1	55.100.02	02	6	128484A1	50.200.17	02	27
	55.512.17	03	6		50.206.03		3
121411A1	55.100.02	02	5	128485A1	50.200.17	02	28
	55.512.15	02	4		50.200.17	02	29
	55.512.17	03	5		50.206.03		4
121412A1	05.500.01	03	29		50.206.03		8
	55.100.02	02	8	128570A1	27.106.02	01	11
	55.408.01		16	128818A1	39.125.01		11
	55.512.14	03	2	128825	35.350.02		26
	55.512.15	02	3		35.701.07		
	55.512.17	03	8		35.701.09	02	
121413A1	55.100.02	02	7		35.724.09	03	20
	55.512.14	03	3		35.739.04		3
	55.512.15	02	5		35.739.04		4
	55.512.17	03	7	129270	35.726.12	06	
121414A1	55.512.14	03	4	13028524	25.310.01	02	
121416A1	55.100.02	02	9	131-121	35.724.03	01	4
	55.512.14	03	5		35.724.07	01	1
	55.512.17	03	9		90.100.09		15
121478A1	35.739.03		14A		90.100.10		30
121856A1	35.750.02		7	131-431	90.100.04		22
121920A1	82.100.02	01	12	131-619	90.100.10		14
122259A1	44.100.17	01	10	131-861	35.726.31	01	4
122261A1	44.100.16	01	9		90.100.09		7
122265A1	44.100.17	01	9		90.100.10		10
122270A1	44.100.16	01	5		90.160.05		2
122535A1	05.500.01	02	4	131-869	90.150.02	02	20
	35.739.03				90.160.01		20
122553A1	50.200.17	02	31	1312210C2	55.514.01		21
	50.206.03		12	132842A1	39.121.01	02	4
122554A1	50.200.17	02	32		39.121.02	02	4
122897A1	39.105.07		15	132844A1	39.121.01	02	2
	39.105.08		18		39.121.02	02	2
	39.105.09		10	132931A1	10.220.01		2
123318A1	35.730.04	01	9		35.724.03	01	25
	35.730.04	02	9		35.724.07	01	28
	39.105.07		9	132953A1	44.520.03		1
	39.105.08		39	1331087C1	50.104.01		14
123809A2	21.112.04	01	43	1340763C1	35.739.02		16
	21.112.04	02	43	1340764C1	35.739.02		15
	55.512.14	02	7	1340798C1	35.701.03		15
123980A1	50.206.03		23	1340970C1	35.740.01	02	2
124011A1	50.206.03		22	1346195C1	35.701.03		13
124462A1	35.739.03			1346476C1	35.730.01	01	15
124463A1	35.739.03		22		35.730.03	01	15
124568A2	35.739.02		3		35.732.01	01	6
	35.739.03		3		35.732.01	06	6
124690A1	35.739.04		23	1349059C1	27.106.02	01	2
124721A1	35.724.07	01	27	135-1233	39.121.06	01	3
1250594C1	50.206.03		10		90.120.11		2
	50.206.03		11	135249A1	35.730.04	03	34
1250594C2	50.200.17	02	30		39.105.06		4
125749A1	90.160.05		10	136-54	55.408.01		14
126-116	21.112.04	01	12	136261A1	35.726.30	01	20
	21.112.04	02	12		35.726.36	01	19
126177	90.108.17		3	136263A1	35.726.30	01	21
12644301	21.113.01	03	29		35.726.36	01	20
12645031	35.701.05	01	11	136267A1	35.726.30	01	4
	35.701.06	01	9		35.726.36	01	4
	35.701.06	02	11	136269A1	35.726.30	01	5
126844A1	55.512.14	01	2		35.726.36	01	5
	55.512.16	01	1	136824A1	35.726.31	01	2
	55.512.16	03	1	137219A1	35.726.35		3

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
137248A1	35.739.02		13	1542874C1	35.738.01	01	19
	35.739.03		13		35.738.01	02	19
137283A1	35.724.07	01	29	1542875C1	35.701.03		
139294A1	27.100.11		5		35.736.02		15
139312A1	21.140.01	01	20A		35.736.03		16
	21.140.01	02	20A		35.738.01	03	19
	21.155.14		20		35.740.01	02	7
	33.110.04		20	1542876C1	35.739.02		
	33.110.05		20		35.739.03		
	33.110.06		20	1542877C1	35.730.01	01	16
139363A1	90.100.04		10		35.730.03	01	16
139808A2	35.730.04	03	27		35.732.01	01	16
	35.739.04		9		35.732.01	06	16
139808A2C	35.739.03			1542879C1	35.730.01	02	16
139808A2R	35.739.03				35.730.03	02	16
139810A2	35.739.03		2		35.732.01	07	16
139865A1	35.724.07	01	30		35.738.04	01	16
140-103	90.160.05		12		35.738.04	02	16
140-107	35.724.03	01	3	1542880C1	35.730.01	03	16
	35.724.07	01	2		35.730.03	03	16
	35.726.30	02	1	1543256C1	35.738.01	01	18
	90.154.02		6	1543267C1	05.500.01	02	8
	90.156.04		20		35.701.03		
	90.156.05		28	15687475	35.150.15	01	9
140-108	35.726.09	03	21		35.150.15	02	9
140-119	55.512.16	01	26		35.150.15	03	9
	55.512.16	03	26		35.150.16	01	9
	55.512.17	01	13		35.150.16	02	7
140028	35.701.01	01	4		35.150.16	03	9
	35.701.04	01	20	16104121	35.701.04	01	11
	35.701.05	01	22		35.701.05	01	13
	35.701.06	01	20		35.701.06	01	11
	35.701.06	02	22		35.701.06	02	13
	35.701.14		4	165202	35.726.12	06	
140968A1	35.730.03	03	10	16586225	10.250.06		13
141233A1	84.100.01	05	3		10.250.06		14
	84.100.01	05	3	16588025	10.304.10		9
141234A1	84.100.01	05	2	16673635	10.102.01		1
	84.100.01	05	2		10.304.01		1
142-103	90.154.02		9	16677734	10.102.06		3
	90.156.04		21	16689121	10.106.04		20
	90.156.05		21	167266	35.106.01	01	23
142300A1	82.100.02	01	3		35.701.07		
142524A1	39.125.01		12		35.701.07		
14302921	35.150.14	01	5		35.701.09	01	11B
	35.150.14	02	5		35.701.09	02	
	35.150.14	03	6		35.701.09	02	
14304021	21.134.01		7		35.701.09	02	
	35.150.14	01	18		35.726.21	01	
143219A1	35.726.09	04			35.726.21	01	
	35.726.21	01	28		35.726.21	01	
	35.726.22	02	16		35.726.22	02	
14326211	25.100.08	01	10		35.726.38	01	2
	25.100.08	02	10		35.738.03	02	40
14358921	35.150.14	02	18		35.739.04		10
143786A1	90.120.05		21	167268	35.701.07		
144173A1	35.106.01	05	7		35.701.09	02	
144193A3	90.108.09	01	7		35.732.01	03	5A
14453181	10.304.01		17	167269	21.109.02		23
14453881	10.304.01		14		35.106.01	01	20
	55.440.01		19		35.106.01	01	28
14468780	25.310.01	01	7		35.106.01	01	29
	25.310.01	02	7	168-71	55.408.01		7
	44.101.04	02	4	16882515	10.102.03	01	4
144908A2	90.100.02		21	175156	21.113.01	04	23
14507887	90.150.03		9		35.106.01	03	2
14508087	90.150.03		10		35.106.01	04	11
151-516	90.156.02		3		35.106.02	01	2
	90.156.05		7		35.106.02	02	2
1530028C1	21.112.01	01	6	175156A1	82.100.02	01	
	21.112.01	02	6	175599A1	90.100.04		2
	21.113.01	02	7	175957A1	27.106.02	01	3
	21.113.01	04	6	175966A1	27.110.02	02	7
1541537C1	35.726.13	02	22		27.110.02	03	7
	35.726.21	02	5	176309A1	35.724.03	01	23
	35.726.21	03	5		35.724.06		5
	35.738.02	02	26		35.724.07	02	2
1542830C2	35.726.32			177269A1	90.150.02	02	42

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
177269A1	90.150.02	02	46	181144A1	21.155.08		42
	90.160.01		42	181158A1	21.140.01	01	12
	90.160.04		2		21.140.01	02	12
	90.160.05		3	181159A1	21.140.01	01	11
178051A1	35.106.01	05	8		21.140.01	02	11
179029A1	35.726.19	02	14	181161A1	21.140.01	01	14
17916280	10.408.01		6		21.140.01	02	14
179956A1	35.726.31	01	16		21.155.03		15
181100A1	21.112.01	01	8		21.155.08		10
	21.112.01	02	8		21.155.14		12
	21.113.01	01	14	181165A1	21.154.09		21
	21.133.02	01	24		21.154.09		34
	21.133.02	02	24		21.155.07		34
	21.134.05		5		21.155.08		43
181101A1	21.112.01	01	19		21.155.15		2
	21.112.01	02	23	181171A1	21.133.02	01	7
181105A1	21.112.01	01	14		21.133.02	02	7
	21.112.01	02	14	181173A1	21.133.02	01	16
	21.113.01	04	14		21.133.02	02	16
181108A1	21.140.01	01	24	181174A2	21.133.02	01	22
	21.140.01	02	24		21.133.02	02	22
	21.154.09		26	181175A1	21.133.02	01	18
	21.155.03		21		21.133.02	02	18
	21.155.07		26	181176A1	21.112.01	01	13
	21.155.08		19	181177A1	21.133.02	01	11
	21.155.14		19		21.133.02	02	11
181111A1	21.140.01	01	13	181179A1	21.112.01	01	15
	21.140.01	02	13		21.112.01	02	15
	21.155.03		14		21.113.01	04	15
	21.155.08		9	181198A1	21.154.03		3
	21.155.14		11		21.154.03		3
181116A1	21.140.01	01	9	181202A1	21.104.02		9
	21.140.01	02	9		21.104.03	01	13
	21.155.03		10		21.104.03	02	13
	21.155.08		4		21.113.01	01	8
	21.155.14		7	181203A1	21.133.02	01	21
181118A1	21.154.09		1		21.133.02	02	21
	21.154.09		4	181207A1	21.134.01	01	24
	21.155.07		1		21.134.01	02	24
181122A1	21.154.03		5	181219A1	21.104.03	01	10
	21.154.03		5		21.104.03	02	10
181123A1	21.154.09		24		21.113.01	01	3
	21.154.09		31	181232A1	21.112.01	01	16
	21.155.07		31		21.112.01	02	16
	21.155.08		40		21.113.01	04	16
	21.155.15		27	181245A2	21.133.02	01	1
181126A1	21.154.02		3		21.133.02	02	1
	21.154.03		9	181251A1	21.134.01	01	9
	21.154.03		9		21.134.01	02	9
	21.154.08		3	181274A1	21.104.03	01	3
	21.155.08		1		21.104.03	02	3
	21.155.15		24	181842A1	39.125.01		7A
181128A1	21.140.01	01	3	181979A1	50.206.03		24
	21.140.01	02	3	181981A1	50.206.05		5
	21.155.14		3	182006A1	35.726.22	01	6
181130A1	21.154.09		25		35.726.30	01	9
	21.154.09		30	182116A1	35.730.03	01	10
	21.155.07		30	182594A1	90.100.10		23
181132A1	21.154.02		5	182697A1	50.206.05		3
	21.154.08		5	182721A1	90.160.01		43
	21.154.09		2	182721A2	90.150.02	02	43
	21.154.09		5		90.160.04		3
	21.155.07		2	183168A1	90.100.02		7
181138A1	21.133.02	01	12	183443A1	39.121.01	02	5
	21.133.02	02	12		39.121.02	02	5
181139A1	21.133.02	01	5	183509A1	39.121.01	02	6
	21.133.02	02	5		39.121.02	02	6
181141A1	21.104.02		8	184726A1	90.100.10		22
	21.112.01	01	17	185325A1	90.100.04		15
	21.112.01	02	17	185377A1	10.414.01	02	2
	21.113.01	02	4	185506A1	82.100.01	01	6
	21.113.01	04	17	185926A1	10.214.01	01	9
181142A1	21.154.01	01	19		10.214.01	02	13
	21.154.01	02	19		35.750.01		3
	21.155.01		19	186351A1	55.404.01	01	7
181144A1	21.154.09		22	186977A1	39.100.03		21
	21.154.09		33	186989A1	90.100.04		21
	21.155.07		33	187281A1	90.150.02	02	44

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
187281A1	90.160.01		44	196466A1	10.254.03		4
	90.160.04		4	1964831C2	05.500.01	02	27
187714A1	21.112.04	01	1	1966138C1	27.100.09		7
	21.112.04	02	1		27.100.10		7
187715A1	21.112.04	01	2	1966149C1	27.100.09		2
	21.112.04	02	2		27.100.10		2
188027A2	35.730.04	01	27	1966993C1	21.133.02	01	4
	35.739.02		1		21.133.02	02	4
	35.739.05		9	1967581C1	21.133.02	01	10
188028A2	35.739.02		2		21.133.02	02	10
188032A2	35.739.02		4	1967585C1	21.133.02	01	9
188034A3	35.739.02		14		21.133.02	02	9
188035A1	35.739.02			1976955C1	35.726.32		2A
188036A1	35.739.02		22	197745A1	90.150.02	02	7
189109A1	10.220.01		2A		90.160.01		7
	35.724.03	01			90.160.02		15
	35.724.07	01	31		90.160.03		15
190427A1	21.154.09			197771A1	44.511.08		1
	21.155.07			1980245C1	35.739.02		17
190428A3	21.133.02	01	8	1980266C1	35.730.03	03	9
	21.133.02	02	8	1980371C1	35.730.01	03	17
190431A1	21.134.05		10	1987096C1	50.104.01		33
190442A1	21.134.01	01	3	199953A2	35.739.03		
	21.134.01	02	3	1999666C1	50.104.01		16
190506A1	27.106.02	01	6	1999667C1	50.104.01		
190508A1	27.106.02	01	6	1999668C1	50.104.01		
190509A1	27.106.02	01	6	20-21032	82.100.02	01	13
190510A1	27.106.02	01	6	20-21232	82.100.01	01	7
190511A1	27.106.02	01	6		82.100.02	01	4
190512A1	27.106.02	01	6	201-101	33.202.11		1
190513A1	27.106.02	01	6		33.202.12		1
190514A1	27.106.02	01	6		33.202.13		1
190515A1	27.106.02	01	6	201-102	35.701.02	01	3
190516A1	27.106.02	01	6	201-103	35.701.13		3
190675A1	50.104.01		17		35.738.03	01	2
191252A1	35.739.02		14A		35.738.03	02	18
191703A1	35.726.09	04			35.740.01	01	2
	35.726.09	04			35.740.02	01	18
	50.200.17	01	12	201-104	35.738.02	01	4
	50.200.17	02	12		35.738.02	02	2
191704A1	27.110.02	01	2	201-111	35.701.08		10
	33.202.11		12		35.701.09	01	10
	33.202.12		12		35.701.09	02	10
	33.202.13		12	201-115	35.350.02		13
	33.202.13		15	201-130	35.740.02	01	3
	41.200.04		34		35.740.02	02	3
191747A1	05.500.01	02	11	201-132	35.350.02		22
	35.739.02			201-140	35.726.10	01	16
191796A1	25.100.02	01	6		35.726.10	02	7
	25.100.02	02	6		35.726.11	01	8
	25.100.02	03	6		35.726.11	02	8
	44.100.15	01	2	201-304	33.202.11		4
	44.100.15	02	3		33.202.12		4
192330A1	35.736.03		10		33.202.13		4
192450A1	90.108.01	02	9	201-306	35.701.02	01	24
192815A1	39.125.01		28		35.701.11		2
192834A1	41.200.04		31		35.701.12		2
192971A1	35.739.05		23		35.701.13		2
193-1003	39.125.01		17	201-312	35.350.02		11
195-81023	90.154.02		7	201-315	35.701.01	02	8
	90.156.04		17		35.726.23		9
	90.156.05		22		35.726.24		8
1954626C1	50.104.01		15	201-316	35.701.02	01	11
1954736C1	50.104.01		3	201-317	35.726.23		6
1959509C1	41.200.02		22		35.726.24		6
	41.200.03		17		35.738.02	01	8
	41.204.08		4		35.738.02	02	7
1960667	35.726.20	01	14		35.740.02	01	17
	35.726.20	02	6		35.740.02	02	2
	35.726.21	01	14	201-321	35.732.01	02	9
	35.726.22	02	8		35.732.01	03	13
	35.726.38	01	15	201-328	35.726.27	01	1
196096A1	21.134.01	01	21A		35.726.28	01	1
	21.134.01	02	21A	201-331	35.701.01	02	9
196454A1	21.154.09		3	201-341	35.737.01	02	11
	21.154.09		3A	201-343	35.350.02		17
	21.155.07		3A	201-344	41.200.02		1
196466A1	10.254.03		4		41.200.03		1

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
201-345	35.726.28	01	2	218-5053	35.726.05		5
201-348	35.732.01	04	8		35.726.06		5
201-352	35.738.03	02	17		35.726.07		5
201-377	35.738.03	01	3		35.726.08	01	33
201-401	35.726.08	01	4	218-5057	35.726.09	04	1
201-407	35.726.20	01	26		41.200.04		15
	35.726.25		11	218-5059	41.200.04		8
201-411	35.701.02	01	13	218-5062	21.109.02		4
201-412	35.701.02	01	2	218-5089	35.726.04	01	6
201-418	35.106.01	01	25		35.726.04	02	6
	35.106.01	02	7		35.726.04	03	6
201-907	35.726.10	01	17		35.726.04	04	6
	35.726.10	02	8		35.726.05		6
	35.726.11	01	10		35.726.06		6
	35.726.11	02	10		35.726.07		6
213-123	10.220.01		17		35.726.08	01	19
	10.220.02		14		35.726.09	04	2
213-126	35.726.22	01	8	218-5103	25.100.02	01	14
	35.726.30	01	10		25.100.02	02	14
	35.726.36	01	17		25.100.02	03	14
214-1406	50.206.05		19		44.100.15	01	8
214-1410	35.732.01	02	24		44.100.15	02	11
214-14100	35.739.04		8	218-5105	27.110.02	01	4
214-1412	10.202.01		5		35.726.09	04	3
	21.109.02		7	218-5106	41.200.04		6
214-1416	10.254.11		15	218-5136	41.200.04		11
	10.406.01	01	8	218-5155	35.750.01		17
214-1420	35.106.01	04	1	218-5156	35.701.01	02	17
214-1436	10.254.11		18	218-5158	35.750.01		18
214-1440	10.406.04	01	14	218-5213	35.106.01	05	16
	10.406.04	02	29	218-5228	41.200.04		2
214-1456	10.202.01		9	218-5230	41.200.04		19
214-1464	10.202.01		8	218-5243	35.726.08	01	7
	35.701.02	01	27	218-5280	41.200.04		19
	50.200.17	01	1	218-5351	41.200.04		
	50.200.17	02	1		41.200.04		21
214-1472	35.701.11		8	218-5365	35.726.08	01	20
	35.738.02	01	17	218-5529	41.200.04		28
	35.738.03	01	17	218-593	35.726.08	01	9
	35.738.03	02	20	218-845	41.200.04		30
	35.740.02	01	20	219-1	35.701.03		21
	35.740.02	02	17		35.726.19	02	19
214-1476	35.701.12		8		35.730.01	01	6
214-1492	35.739.04		16		35.730.01	02	6
	35.739.05		16		35.730.01	03	6
214-1496	35.737.01	02	15		35.730.03	01	6
	35.737.01	03	16		35.730.03	02	6
214-1704	10.254.11		31		35.730.03	03	6
	10.406.01	01	5		35.730.04	01	25
214-31104	35.737.01	02	16		35.730.04	02	15
214-31112	35.737.01	03	17		35.730.04	03	16
214-3156	35.726.10	02	17		35.732.01	01	10
	35.726.11	02	15		35.732.01	06	10
214-3172	35.738.03	02	21		35.732.01	07	10
	35.740.01	01	11		35.736.02		6
	35.740.02	01	21		35.736.03		6
214-3180	35.738.02	02	12		35.736.04		6
	55.518.07		13		35.738.04	01	6
	90.150.10		11		35.738.04	02	6
214-3188	35.737.01	01	11		35.739.02		20
214-3196	35.737.01	01	12		35.739.03		20
	35.739.05		8		39.105.07		21
217-314	21.109.02		15		39.105.08		33
217-349	21.109.02		22		39.105.09		26
217-425	50.104.01		34		39.121.01	01	6
218-1023	21.112.01	01	2		39.121.02	01	5
	21.113.01	04	2		39.121.03		9
218-1249	35.726.10	01	18		39.121.04		9
	35.726.10	02	6		39.121.05		18
	35.726.11	01	9		39.121.07		6
	35.726.11	02	9		39.121.09		6
218-459	21.112.04	01	38		39.125.01		32
	21.112.04	02	38		39.125.02		23
218-5027	41.200.04		3		39.125.02		5
218-5053	35.726.04	01	5		82.100.02	01	9
	35.726.04	02	5	219-10	21.300.00		8
	35.726.04	03	5		21.300.00		8
	35.726.04	04	5		25.100.16	01	8

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
219-55	35.701.03		22	237-6004	41.200.04		4
	35.730.04	01	24		44.100.15	01	8A
	35.730.04	02	16	237-6006	27.110.02	01	5
	35.730.04	03	12		33.202.11		2
	35.738.01	01	17		33.202.11		6
	35.738.01	02	17		33.202.12		2
	35.738.01	03	17		33.202.12		6
	35.739.02		21		33.202.13		2
	35.739.03		21		33.202.13		6
	39.100.01		3		35.726.32		8
	39.100.02		3		41.200.04		16
	39.105.08		32		41.200.04		18
	39.105.09		27		41.200.04		20
	39.125.01		10		41.200.04		29
	84.120.01		22	237-6008	21.134.01	01	18
219-86	39.121.01	01	2		21.134.01	02	18
	39.121.02	01	2		35.726.32		6
219-89	39.121.01	01	3		41.200.04		12
	39.121.02	01	3		41.200.04		7
220165A2	35.739.02		2		41.200.04		9
220413A1	39.100.01		7	237-6010	21.109.02		16
	39.100.02		7		21.109.02		5
221-89	50.104.01		21	237-6014	35.106.01	05	11
221477A1	35.726.22	01	7		35.106.01	05	17
221525A1	35.738.02	02	21	238-5005	55.408.01		8
	35.740.01	01	12	238-5011	10.254.12		10
225-14210	10.220.01		20		35.350.02		10
	10.220.02		13	238-5013	21.134.01	01	20
225315C1	35.150.15	01	6		21.134.01	02	20
	35.150.15	02	6	238-5014	21.134.01	01	19
	35.150.15	03	6		21.134.01	02	19
	35.150.16	01	6	238-5130	21.133.01		4
225318C1	35.150.15	01	7	238-5154	27.106.02	02	11
	35.150.15	02	7	238-5227	41.200.02		2
	35.150.15	03	7		41.200.03		2
	35.150.16	01	7		41.204.08		3
225327C1	35.724.06			238-5228	35.106.01	01	26
	35.724.06				35.106.01	02	5
225350C1	35.150.15	02	14		35.106.01	04	2
	35.150.16	03	6	238-5231	35.701.03		10
225353C1	35.150.15	02	15		35.738.01	01	9
	35.150.16	03	7		35.738.01	02	9
226456A1	35.750.01		15		35.740.01	02	8
228133A2	10.414.01	02	2	238-5233	35.736.02		12
230857A1	35.750.01		12		35.736.03		13
230973A1	33.202.03		25		35.738.01	03	9
231-14109	10.406.06		8	238-5237	35.739.02		9
	90.100.04		16	238-5239	35.739.02		23
	90.100.10		11		35.739.03		9
	90.150.02	02	25	238-5242	35.739.03		23
	90.160.01		25	238-6012	33.202.11		3
	90.160.02		12		33.202.11		5
	90.160.03		12		33.202.12		3
231-14409	35.726.09	03	22		33.202.12		5
231-1444	90.118.51		12		33.202.13		3
231-1445	35.726.09	03	16		33.202.13		5
231-24409	55.512.14	02	6		33.202.14		10
	55.512.14	03	12		33.202.14		14
	55.512.15	02	8		33.202.14		16
231-4115	90.118.51		9	238-6016	35.738.03	02	42
231520A2	55.100.35		14	238-6021	35.106.01	01	25
	55.100.40		12	238-6121	21.112.01	01	
	55.512.14	01	5		21.112.01	02	
232-1446	90.154.07		6	238-8217	21.154.03		22
	90.156.04		14		21.154.03		22
232-4246	35.724.03	01	19		27.110.02	03	3
	35.724.07	01	3	238799A1	35.736.04		10
232948A1	05.500.01	03	1		35.738.04	01	10
	50.200.17	01	14		35.738.04	02	10
	50.200.17	01	2	239406A1	35.724.07	01	32
	50.200.17	02	14	239451A1	35.724.06		
	50.200.17	02	2		35.724.06		
233104A1	35.730.01	01	10	239606A1	21.112.01	01	20
233284A1	21.154.09		23		21.113.01	04	20
	21.154.09		32	242459A1	35.726.10	01	4
	21.155.07		32		35.726.10	02	1
237-6002	35.726.32		14		35.726.11	01	5
237-6004	35.726.32		11A		35.726.11	02	3

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
242459A1	35.737.01	03	22	280-16516	90.150.01	02	3
244109A1	21.154.09		6		90.150.10		4
	21.155.07		6	280259	39.125.03		37
245258A1	05.500.01	03	5	281-14520	50.104.01		9
245466A1	84.100.01	01	6	281-14716	35.726.22	01	5
	84.100.01	01	9	281-18712	50.206.05		26
	84.100.01	03	6	281-54512	90.150.02	02	17
	84.100.01	03	9		90.160.01		17
	84.100.01	04	6		90.160.02		20
	84.100.01	04	6		90.160.03		20
	84.100.01	04	9	282-17512	90.150.02	02	15
	84.100.01	04	9		90.160.01		15
	84.100.01	05	6	282242A1	10.220.01		1
	84.100.01	05	6		10.220.03		8
	84.100.01	05	9	282428A1	41.200.04		17
	84.100.01	05	9	282775A1	05.500.01	01	10
	84.100.01	06	6		55.512.16	01	3
	84.100.01	06	9		55.512.16	03	3
250851A1	39.125.02		7	2830082	10.001.02	01	1
	82.100.02	01	30		10.001.02	01	1
252790A1	35.730.01	03	15	2830156	10.210.01		2
254026A1	10.408.07		8	2830158	10.105.01		4
254686A2	05.100.01		6		10.105.01		4
	05.500.00	01	13	2830222	10.106.04		7
	21.104.02		2	2830266	05.500.01	01	18
	21.104.03	01	1		10.210.01		1
	21.104.03	02	1	2830266C	10.210.01		
255447A1	90.100.04		25	2830281	10.101.02		2
	90.118.51		13	2830411	10.206.01	01	7
256341A1	35.724.06			2830433	10.110.02		7
	35.724.06				10.110.02		7
256347A1	35.724.03	01		2830434	10.106.04		15
	35.724.03	01		2830444	10.254.10		2
	35.724.06			2830559	10.408.01		10
	35.724.06				10.408.01		10
256776A1	10.220.01		5	2830706	10.101.01		17
	10.220.03		10	2830707	10.101.01		17
257381A1	90.100.04		27	2830734	05.500.01	01	12
257382A1	90.100.04		26	2830769	10.101.02		8
258613A1	35.724.06			2830775	10.101.02		5
	35.724.06			2830784	10.101.02		7
258616A1	35.724.03	01		2830894	10.400.03		4
	35.724.03	01			10.400.03		4
	35.724.06			2830919	10.101.01		15
	35.724.06			2830920	10.101.01		15
259044A1	35.106.01	02	11	2830948	10.110.02		16
	35.106.01	04	28		10.110.03		3
260-16312	35.724.04		23	2831031	10.110.02		8
	35.724.04		8		10.110.02		8
	35.724.05		25	2831203	10.254.10		1
	35.724.05		9	2831266	10.101.01		3
272218	21.113.01	03	30	2831287	10.101.01		7
274234	25.300.02		5	2831297	10.105.02		3
27549R1	44.520.03		2		10.105.02		3
	44.520.03		2	2831298	10.105.02		1
	44.520.03		2		10.105.02		1
277678A1	35.106.01	01	19	2831302	10.110.03		6
277800A1	10.414.01	01	5	2831303	10.110.03		5
278316A2	90.100.09		9	2831305	10.110.02		14
278328A1	05.500.01	03	10		10.110.03		1
	55.512.14	01	7	2831354	10.110.02		9
278532A1	21.133.02	01	14		10.110.02		9
	21.133.02	02	14	2831473	10.101.01		8
278533A1	21.133.02	01	13	283779A1	55.512.16	01	19
	21.133.02	02	13		55.512.16	03	19
278534A1	05.500.00	01	14	283781A1	55.512.16	01	20
	21.104.02		3		55.512.16	03	20
	21.104.03	01	8	2852011	10.102.01		4
	21.104.03	02	8		10.304.01		4
	21.113.01	01	1	2852012	10.102.01		7
279039A1	21.133.02	01	15		10.304.01		7
	21.133.02	02	15	2852013	10.102.01		9
279265A2	55.514.01				10.304.01		9
279482A1	90.156.02		4	2852016	10.102.01		8
	90.156.05		6		10.304.01		8
280-14512	55.404.01	02	7	2852028	10.101.04		2
	55.514.01		11	2852029	10.254.06		3
280-16516	90.150.01	01	3	2852030	10.254.06		6

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
2852032	10.101.02		4	2852484	55.100.06		3
2852033	10.101.02		6	2852485	10.304.10		
2852037	10.105.01		4	2852486	55.440.01		13
	10.105.01		4	2852488	10.246.01		3
2852044	10.254.06		1	2852500	55.100.06		2
2852047	10.402.01		2	2852509	10.250.05		5
	10.402.01		2	2852510	10.250.05		4
2852049	10.103.03		1	2852511	10.400.03		5
	10.103.03		1		10.400.03		5
2852051	10.103.03		2	2852519	10.102.03	01	7
	10.103.03		2	2852521	10.218.05	03	4
2852057	10.246.01	02	8	2852531	10.101.04		1
2852059	10.246.01	02	5	2852594	10.218.04		2
2852062	10.106.07		2	2852741	10.246.01	01	
2852065	05.500.01	01	21	2852743	10.254.10		2
	10.218.05	03	3	2852744	10.254.10		3
2852071	10.250.05		5	2852804	10.246.01		10
2852072	10.250.05		4	2852805	10.246.01		11
2852075	10.218.05			2852818	55.440.01		12
2852088	10.246.01	01	3	2852820	55.440.01		17A
2852089	10.246.01	01	4	2852821	55.440.01		24
2852091	05.500.01	01	17	2852825	55.440.01		11
2852098	10.206.01	01	1	2852834	10.254.10		3
2852101	10.250.06		13	2852865	10.102.03	02	2
	10.250.06		14	2852866	10.106.04		3
2852102	05.500.01	01	28	2852871	10.218.05		1
	10.250.06		10	2852872	10.218.05		2
2852105	05.500.01	01	19	2852873	10.218.05		3
	10.218.04		1	2852874	10.218.05		4
2852108	05.500.01	01	20	2852875	10.218.05		5
2852111	10.218.04		3	2852876	10.218.05		6
2852114	10.402.01		1	2852877	10.218.05		7
	10.402.01		1	2852878	10.218.05		8
2852122	10.304.10		1	2852879	10.218.05		9
2852125	05.500.01	01	24	2852880	10.218.05		10
	10.304.10		2	2852881	10.218.05		11
2852127	10.304.10		6	2852882	10.218.05		12
2852134	10.304.10		9	2852883	10.218.05		13
2852135	10.304.10		8	2852884	10.218.05		14
2852136	05.500.01	01	11	2852885	10.246.01	02	2
2852145	10.400.03		3	2852889	05.500.01	01	26
2852151	10.402.09		1		10.001.02	02	3
2852153	10.402.09		2	2852894	10.101.02		11
2852154	05.500.01	01	13	2852978	10.102.01		5
2852155	10.402.09		1		10.304.01		5
2852157	10.402.09		6	2853133	10.402.09		4
2852161	10.402.05		2	2853407	10.304.10		10
	10.402.05		2	2853410	05.500.01	01	25
2852162	10.402.05		3		10.304.10		10
	10.402.05		3		10.304.10		7
2852163	10.402.05		1	2853412	10.304.10		11
2852170	10.414.02		3		10.304.10		11
	10.414.02		3	2853414	10.304.01		1
2852171	10.414.02				10.304.01		1
	10.414.02		4	2853535	10.106.04		19
2852172	10.414.02			2853537	10.218.05	02	2
	10.414.02		5	2853671	10.102.03	01	5
2852175	10.102.06		1	2853722	10.408.01		9
2852180	10.001.01		2		10.408.01		9
2852181	10.001.01		6	2853780	10.408.01		
	55.201.09		16	2853781	10.408.01		3
2852195	10.250.06		8		10.408.01		3
	10.250.06		8	2853782	10.408.01		
2852196	10.250.06		15	2853822	10.103.01		1
	10.250.06		15		10.103.01		1
2852197	10.250.06		12	2853826	10.101.04		
	10.250.06		12	2853858	10.101.02		1
2852202	10.001.02	02	10	2854072	10.400.03		2
	10.001.02	02	10		10.400.03		2
2852234	10.246.01		13	2854073	10.102.03	02	6
2852267	10.254.06		7	2854075	10.102.03	02	3
2852294	10.246.01	02	3	2854079	55.440.01		3
2852295	10.254.06		7	2854282	55.440.01		14
2852427	10.106.04		21	2854292	55.440.01		5
2852428	10.106.04		12	2854340	10.246.01	02	1
2852434	10.218.05	02	9	2854493	10.250.06		6
2852473	10.402.09			2854530	10.106.04		18
	10.402.09		4	2854542	10.218.05	02	5

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
2854543	10.218.05	02	4	2856170	10.106.07		5
2854544	10.218.05	02	7	2856238	10.103.06		3
2854563	10.206.01	02	2	2856255	10.218.03		1
2854564	10.206.01	02	3	2856255C	10.218.03		1
2854566	10.206.01	02	7	2856255R	10.218.03		1
2854593	55.440.01		9	2856263	10.254.06		4
2854594	55.440.01		1	2856350	10.246.01	01	2
2854594C	55.440.01		1	2856352	10.246.01	01	1
2854594R	55.440.01		1	2856352C	10.246.01	01	1
2854595	55.440.01			2856352R	10.246.01	01	1
2854596	55.440.01		2	2856436	10.218.03		
2854603	10.105.01		4	2856462	10.254.06		1
	10.105.01		4	2856530	10.402.05		1
2854606	10.218.03		2	2856543	10.402.09		3
2854609	10.218.03		6	2856689	10.250.05		3
2854611	10.402.05			2856689C	10.250.05		3
2854700	10.254.06		8	2856689R	10.250.05		3
2854701	10.254.06		9	2857052	10.250.05		3
2854702	10.254.06		6	2857052C	10.250.05		
2854812	10.101.02		4	2857052R	10.250.05		
2854837	10.254.12		27	2858050	10.402.09		5
2854866	10.102.03	02	12	2859425	10.012.05		2
2855103	10.206.01	01	2	286-56520	90.100.10		19
2855150	55.440.01		6	29-1010	82.100.02	01	14
2855178	10.102.03	02	9	29-1012	82.100.01	01	8
2855183	10.106.07		7		82.100.02	01	5
2855273	10.250.05		9	291010A1	90.150.02	02	37
2855287	05.500.01	01	14		90.160.01		37
	10.102.03	01	9	292207A1	27.106.01	01	12
2855295	10.102.03	01			27.106.01	02	12
2855336	10.218.05	01	1	292208A1	27.106.01	01	13
2855380	10.103.06				27.106.01	02	13
2855381	10.103.06		3	292210A1	27.110.02	02	3
2855427	10.218.04		1	292212A1	27.110.02	02	4
2855428	10.218.04		3		27.110.02	03	4
2855430	10.218.04		4	297281A1	35.701.03		4
2855491	10.218.03		5		35.740.01	02	9
2855491C	10.218.03		5	297283A1	35.739.03		4
2855491R	10.218.03		5	298176A1	35.724.03	01	
2855503	10.218.05	02	1		35.724.06		
2855519	10.105.01		1	298614A1	21.134.01	01	22
2855531	10.105.01		1		21.134.01	02	22
2855622	10.402.05		2	2992149	10.103.01		4
2855743	10.110.02				10.103.01		4
	10.110.02		12	2995784	10.103.01		3
2855744	10.110.02		10		10.103.01		3
	10.110.02		10	2995785	10.103.01		3
	10.110.03				10.103.01		3
2855746	10.110.02		15	2995786	10.103.01		3
	10.110.03		4		10.103.01		3
2855747	10.110.02		3	2995787	10.103.01		4
2855748	10.110.02		5		10.103.01		4
2855750	10.110.02		4	2995788	10.103.01		4
2855753	10.110.02		2		10.103.01		4
	10.110.02		2	300030A1	35.726.35		1
2855774	10.012.05		1	300388	44.100.15	01	6
2855776	10.400.03		3	300510	35.701.05	01	10
2855780	10.250.06		10		35.701.06	01	8
2855787	10.304.10		7		35.701.06	02	10
2855792	10.206.01	02	1	300588A1	39.121.01	02	8
2855795	10.218.04		5		39.121.02	02	8
2855801	10.102.03	01	4	300660	35.740.02	01	34
2855803	10.102.03	02	8	300680A1	90.120.05		16
2855805	10.254.06		1	301644	25.300.02		3
2855807	10.254.10		1	302358A1	10.214.01	01	10
2855809	10.254.06		4		10.214.01	02	14
2855812	10.304.10				35.750.01		4
2855813	10.304.10		1	302820A2	35.701.16		12
2855815	10.304.10		2	303192A1	10.414.01	01	3
2855818	10.218.05	02	8	303465A2	90.100.09		10B
2855819	10.218.05	02	6	303466A1	90.100.09		10C
2855823	10.402.09		2	303467A1	90.100.09		10D
2855886	55.100.06		1	304083A1	90.108.01	01	9
2855894	10.402.09		3		90.108.01	02	7
2855903	10.218.05	03	6	3051337R1	21.113.01	02	18
2856017	10.101.01		3	305496A1	39.125.03		34
2856086	10.102.01		6	305497A1	39.125.03		39
	10.304.01		6	305499A1	39.125.03		32

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
305508A1	39.125.03		24	348794A1	41.204.05		
30634	35.701.03		14		41.204.08		18
308761	35.701.04	01	17	349291A1	21.134.01	01	21
	35.701.05	01	19		21.134.01	02	21
	35.701.06	01	17	349292A1	21.134.01	01	23
	35.701.06	02	19		21.134.01	02	23
309096A1	35.726.09	01	26	349295A1	21.134.01	01	17
309747A1	21.112.04	01			21.134.01	02	17
	21.112.04	02		352208A1	90.156.03		6
310519A1	21.140.01	01	8	352209A1	90.156.03		20
	21.140.01	02	8	352210A1	90.156.03		29
	21.155.03		11	352401A1	41.204.08		7
	21.155.08		5	352568A1	41.204.05		
	21.155.14		8		41.204.08		6
310772A1	21.112.01	01	12	352569A4	41.204.05		10
	21.112.01	02	12		41.204.08		6
	21.113.01	02	8	352727A1	41.204.08		23
	21.113.01	04	12	353-402	55.404.01	01	10
311569A1	44.101.04	01	1	353-403	90.150.02	02	34
321-1707	82.100.02	01	29		90.160.01		34
321-1708	35.701.02	01	23	353-410	50.104.01		26
	82.100.02	01	23	353-411	35.726.31	01	5
321-229	35.750.01		19		90.100.10		28
	90.108.09	02	8	353-413	90.150.09		20
321-230	90.108.09	02	7	353-422	35.724.03	01	39
321-4311	90.108.17		5		35.724.07	01	5
321-6774	90.108.09	02	13	353-780	35.730.01	01	7
321-7030	90.108.09	01	10		35.730.03	01	7
321-7040	90.108.09	02	4		35.730.03	02	18
321204	44.100.17	01	12		35.730.03	03	7
321428A1	21.134.05		8		35.736.02		7
322357	10.254.12		25		35.736.03		7
322529A1	35.106.01	01	31		35.736.04		7
	35.106.01	02	3	353-782	35.730.01	02	7
	41.200.02		23		35.730.01	03	7
322860A1	10.220.01		4		35.730.03	02	7
	10.220.03		9		35.730.03	03	18
3233348R1	35.726.09	03	28		35.738.04	01	7
	90.154.07		4		35.738.04	02	7
324213A1	44.101.04	01	2	355198A2	90.100.10		6
325465A2	35.701.02	01	1	355827A2	90.100.09		1
325829	35.701.04	01	18	357278A1	55.512.14	02	11
	35.701.05	01	20	357966A1	55.512.14	02	12
	35.701.06	01	18	358282A1	21.154.09		19
	35.701.06	02	20		21.154.09		9
326865A1	21.154.09		13		21.155.07		19
	21.155.07		13	358283A1	21.154.09		27
328186A1	21.109.02		21		21.154.09		28
	35.106.01	01	24		21.155.07		28
	35.106.01	04	29	358632A1	21.140.01	01	7
329032A1	55.404.01	01	5		21.140.01	02	7
	55.404.01	02	4	358633A1	21.140.01	01	6
333279A2	90.120.05		23		21.140.01	02	6
335177A1	39.125.01		6		21.155.03		8
336371A1	35.726.09	01	4		21.155.08		7
337475	35.726.20	01	10		21.155.14		5
	35.726.20	02	4		21.155.15		22
	35.726.21	01	10	358635A1	21.140.01	01	4
	35.726.22	02	4		21.140.01	02	4
	35.726.25		4		21.155.14		4
	35.726.38	01	13		21.155.15		23
338413	35.738.02	02	27	358636A1	21.154.02		2
340997A3	90.116.08		2		21.154.08		2
340998A3	90.116.08		1		21.155.03		2
3416158	35.726.20	01	27	358637A1	21.140.01	01	15
	35.726.20	02	23		21.140.01	02	15
	35.726.21	01	27		21.155.03		16
344892A1	39.125.01		37		21.155.08		11
345-158	55.512.16	01	16		21.155.14		13
	55.512.16	03	16	358638A1	21.140.01	01	21
345-49	35.750.01		16		21.140.01	02	21
345-621	50.206.03			358639A1	21.154.09		26
345231A1	90.116.08		3		21.154.09		29
346583A1	33.110.04		18		21.155.07		29
	33.110.05		18		21.155.08		2
	33.110.06		18	358640A1	21.140.01	01	10
347706A3	55.512.14	03	7		21.140.01	02	10
	55.512.15	02	9		21.155.03		7

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
358640A1	21.155.08		8	363832A5	50.206.03		
	21.155.14		10	363883A1	90.160.05		11
358641A1	21.140.01	01	16	364180A1	90.150.10		1
	21.140.01	02	16		90.160.02		7
	21.155.03		17		90.160.03		7
	21.155.08		12	364376A1	35.738.01	02	14
	21.155.14		14	365789A1	50.206.05		20
358642A1	21.140.01	01	19	365941A1	84.100.01	06	2
	21.140.01	02	19	365942A1	84.100.01	06	3
	21.155.03		20	366046	35.738.02	02	13
	21.155.08		15	366230A1	21.154.03		13
	21.155.14		17		21.154.03		13
358643A1	21.140.01	01	18	366231A1	21.154.03		18
	21.140.01	02	18		21.154.03		18
	21.155.03		19	366232A1	21.154.03		15
	21.155.08		14		21.154.03		15
	21.155.14		16	366234A1	21.154.03		11
358644A1	21.140.01	01	17		21.154.03		11
	21.140.01	02	17	366235A1	21.154.03		12
	21.155.03		18		21.154.03		12
	21.155.08		13	366236A1	21.154.03		14
	21.155.14		15		21.154.03		14
358645A1	21.140.01	01	1	366398A1	21.154.09		19
	21.140.01	01	29	366889A2	55.512.14	01	14
	21.140.01	02	1		55.512.16	01	17
	21.140.01	02	29		55.512.16	03	17
	21.154.03		7	366910A1	21.134.05		9
	21.154.03		7	367712A3	55.404.01	01	15
	21.155.03		25	367848A2	90.108.01	02	13
	21.155.08		16	368801A2	50.104.01		10
	21.155.14		1	368805A1	50.206.05		7
358649A1	21.154.09		2	368807A1	50.206.05		13
	21.154.09		3	368813A2	90.160.05		14
	21.155.07		3	368818A1	50.206.05		29
358650A1	21.154.09		3	368990A1	50.206.04		6
	21.154.09		3A	369249A1	50.206.05		9
	21.155.07		3A	369372A1	35.726.32		3
358651A1	21.154.09		3	369450A1	90.160.05		4
	21.154.09		3A	370381A1	05.500.01	03	3
	21.155.07		3A		50.206.03		14
358652A1	21.154.09		3	370747A1	84.100.01	06	
	21.154.09		3A	371140A1	27.106.02	02	7
	21.155.07		3A	371144A1	27.100.11		8
358654A1	21.154.09		28	371145A1	27.100.11		11
	21.154.09		37	371148A1	27.120.02	02	14
358655A1	21.154.09		39	372167A1	90.100.10		8
	21.154.09		6	373689A2	90.100.09		10
358656A1	21.154.09		29	373693A1	90.100.09		10E
	21.154.09		38	373995A1	50.206.05		6A
359504A1	50.206.05			374892	35.726.23		15
360242A2	90.100.09		10A		35.726.24		13
360243A2	90.100.09		11	375392A1	50.206.05		28
360244A1	90.100.09		4	376286A2	82.100.02	01	
360245A2	55.100.35		17	377220A2	50.206.05		1
	90.100.09		8	377222A1	50.104.01		4
360250A2	90.100.10		7	377230A3	50.206.05		27
360251A3	50.206.05		6	377232A2	50.104.01		18
360252A2	50.206.04		5	377233A2	50.104.01		31
360253A3	50.206.05		8	377241A2	50.206.05		1
360254A3	50.206.05		10	377594A5	90.160.05		16
360255A1	50.206.05		14	378227A1	90.150.02	02	4
360256A1	50.206.03		15		90.160.01		4
360257A1	50.206.03		7		90.160.02		4
360260A2	05.100.01		4		90.160.03		4
	05.500.00	01	4	378742A3	90.150.09		13
	50.206.04		1	378955A1	10.220.01		8A
360261A1	50.206.04		3	378956A3	10.220.01		15
360262A2	50.104.01		1	378957A3	10.220.02		17
360263A4	50.206.03		1	378958A1	10.220.01		13
361900A1	55.512.14	03	9	378960A1	10.220.01		3
362607A1	90.100.02		4	379160A1	90.160.05		6
362609A1	90.100.02		3	379161A1	90.160.05		7
362804	35.724.03	01	14A	379209A1	90.160.05		8
362930A2	55.512.14	02	13	379314A4	21.112.04	01	6
363227A2	90.100.09		8A		21.112.04	02	6
363485A1	33.110.04		3	379846A1	41.204.08		14
	33.110.05		3		41.204.08		22
	33.110.06		3	380483A2	10.220.01		12

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
380484A3	10.220.01		15A	391845A1	90.154.02		12
380485A3	10.220.02		17A		90.156.04		12
380537A2	21.112.04	01	13	391847A1	90.154.02		34
	21.112.04	02	13	391848A1	90.154.02		25
380719A2	90.150.02	02	16	391850A1	90.154.02		16
	90.160.01		16	392353A1	55.512.14	02	18
	90.160.02		19	392374A1	90.108.09	01	13
	90.160.03		19	392375A1	90.108.09	02	1
380807A4	35.750.02		1	392828A2	90.100.04		17
381111A2	50.206.05		25	393209A1	90.154.02		30
381113A2	50.206.05		24	393211A1	90.154.07		7
381659A1	90.150.02	02	9	393231A1	21.300.00		14
	90.160.01		9		21.300.00		14
	90.160.02		16		25.100.16	01	14
	90.160.03		16	394707A1	90.154.02		15
381972A1	90.160.05		9	394708A1	90.154.02		16
382202A2	35.750.02		4	394800A1	90.154.07		3
382298A1	55.514.01		18	394864A1	90.156.04		22
	90.150.09		18	395026A1	55.518.06		9
382664A2	90.150.02	02	35	395189A2	10.220.02		1
	90.160.01		35	395348A1	90.156.03		19
	90.160.02		32		90.156.03		28
	90.160.03		32	395387A1	90.150.03		7
382770A2	50.206.04		2		90.154.02		38
	90.150.02	02	33	395388A1	90.150.03		6
	90.160.01		33	395389A1	55.518.06		10
	90.160.02		31	395470A1	50.206.05		23
	90.160.03		31	395478A3	90.150.09		14
383794A2	50.206.05		22	395793A1	90.156.02		7
383795A2	50.206.05		23		90.156.05		8
383972A1	90.108.09	01	6	396-41028	35.724.03	01	16
384258A1	90.108.09	02	6		35.724.03	01	31
384260A1	90.108.09	02	9		35.724.06		3
384264A1	90.108.09	01	1		35.724.07	02	3
384265A1	90.108.09	02	2	396023A2	55.404.01	01	19
384267A1	90.108.09	02	3	396092A1	84.120.01		15
384269A1	90.108.09	02	5	396422A2	35.726.32		10
384769A1	21.154.09		14	396516A1	90.150.02	02	6
	21.155.07		14		90.150.10		3
384773A1	21.154.09		9		90.160.01		6
	21.155.07		9		90.160.02		8
384967A1	35.730.04	01	23		90.160.03		8
	35.730.04	02	17	396592A1	41.200.04		
385506A1	55.404.01	01	17	396593A1	41.200.04		
386535A1	50.206.03		2	396605A1	90.100.04		6
386785A1	55.518.07		4	396841A1	90.156.04		24
386787A1	55.518.07		5	396938A3	90.150.09		4
386789A2	55.524.01		1	397026A3	90.150.02	02	14
386849A1	55.512.14	01	15		90.160.01		14
386850A1	55.512.14	01	16	397065A2	10.220.01		22
387897R91	44.511.08		3	397158A2	10.220.01		22A
	44.511.08		6	397443A2	55.100.35		8
388116A2	41.204.08		8		55.100.40		9
388712A2	35.726.32		9		55.512.17	01	8
388713A1	35.726.32			397493A2	55.100.35		9
388762A1	50.104.01		7		55.100.40		10
388848A1	35.701.02	01	14		55.512.17	01	9
	82.100.02	01	24	397569A1	55.512.16	01	15
388881A1	35.726.32		4		55.512.16	03	15
389402A1	50.104.01		8	397570A1	55.512.16	01	14
389487A1	55.512.14	03	13		55.512.16	03	14
	55.512.15	02	10	397774A3	90.160.02		22
389541A1	35.726.32		12		90.160.03		22
390-100	90.154.02		31	397876A1	55.512.14	02	22
390255A2	90.100.10		1	397974A1	90.118.51		
390551A2	90.150.01	01	1	397990A1	55.512.14	01	13
	90.150.10		20		55.512.16	01	18
390758A1	35.726.31	01	6		55.512.16	03	18
390838A1	90.154.02		15	398658A1	90.108.09	01	5
391625A2	90.150.01	02	1	398738A1	50.206.04		4
	90.150.10		17	398986A1	50.206.05		30
391818A2	90.100.10		2	399004A1	35.726.09	04	
391827A1	90.154.02		28	399909A3	35.726.15		3
	90.154.02		49	400280A1	50.104.01		11
	90.156.02		2	400282A1	50.104.01		2
	90.156.04		27	400296A2	35.726.32		11
	90.156.05		10	400379A1	50.104.01		5
391838A1	90.154.02		24		50.206.03		14A

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
400494A1	90.156.03		2	412141	35.701.16		2
400588A2	21.112.04	01	7		35.726.10	01	7
	21.112.04	02	7		35.726.10	02	13
400657A1	35.726.32		13		35.726.11	01	19
400932A4	90.120.11		1		35.726.11	02	6
400934A2	39.121.01	01	5		35.726.14		12
	39.121.02	01	6		35.737.01	01	19
	39.121.07		5		35.737.01	02	24
401052A1	44.100.17	01			35.737.01	03	27
401054A1	44.100.17	01	3		35.738.02	01	11
401055A1	41.216.05	01	1		35.738.03	01	13
	44.100.17	01	7		35.738.03	02	27
401059A1	44.100.17	01	13		35.740.02	01	27
401060A1	44.100.17	01	14		35.740.02	02	12
401061A1	41.216.05	01	4		35.936.01		12
401062A1	41.216.05	01	3	412180	82.100.01	01	3
401063A1	41.216.05	01	5	412250	35.726.10	01	11
401064A1	41.216.05	01	6		35.726.11	01	16
401065A1	44.101.04	01	3		35.726.14		17
401066A1	44.101.04	01	4		35.738.03	02	23
401067A1	44.101.04	01	5		35.740.02	01	23
401949A1	50.206.03		30		35.936.01		17
	90.150.02	02	3		55.100.40		15
	90.160.01		3		55.512.17	01	17
	90.160.02		3	412285A1	90.150.02	02	18
	90.160.03		3		90.160.01		18
402836A1	90.156.03		15		90.160.02		21
402843A1	90.156.03		7		90.160.03		21
402844A1	90.156.03		13	413-1228	35.732.01	05	8
402845A1	90.156.03		14	413-412	90.118.51		11
402933A1	90.118.51		1		90.118.51		4
402934A1	90.118.51		2	413-516	90.118.51		7
402935A1	90.118.51		5	413-528	35.726.09	03	15
402936A1	90.118.51		3	413-624	35.724.03	01	18
403193A1	50.206.05		36		35.724.07	01	6
403225A1	50.206.05		35	414033A1	90.100.09		18
403271A1	50.206.04		9	414034A1	90.100.09		17
403955A1	27.120.02	01	14	414071A1	90.100.10		27
	27.120.02	02	10	414174A1	55.512.14	02	4
404227A1	90.156.03		5	414572A1	90.100.09		16
404228A1	90.156.03		4	414600A1	90.160.05		5
404229A1	90.156.03		3	414939A1	90.150.02	02	19
404617A1	55.404.01	01	18		90.160.01		19
	55.518.06				90.160.02		23
	55.518.07				90.160.03		23
406287A1	50.104.01		19	416569A1	55.100.02	02	10
	50.206.03		5		55.512.17	03	10
406624A1	39.121.06	01	6	418070A1	39.121.06	01	7
	90.120.11		4	420-21236	82.100.01	02	7
406723A1	90.108.01	02	15	425-1012	35.732.01	05	9
407962A1	10.254.12		9	425-105	55.301.07		11
	10.406.04	01	11		55.301.08		10
	10.406.04	02	25	425-106	55.301.07		13
407975A1	35.726.13	01	18		55.301.08		12
	35.726.13	02	17		55.512.14	02	15
	35.726.14		10	425-115	35.724.07	01	7
	35.936.01		10		35.726.09	03	12
409025A1	35.726.32		5	425-116	35.724.03	01	22
409618A1	90.150.10		2		35.724.07	01	8
	90.160.02		6	425-118	35.726.22	01	15
	90.160.03		6		35.726.30	01	36
409723A1	90.160.05		15		35.726.36	01	33
409828A1	90.108.01	01	2	425-147	55.518.06		
410561A1	21.112.04	01	44	425-156	35.726.19	02	24
	21.112.04	02	44		35.726.22	01	14
410867A1	90.156.03		30		35.726.30	01	32
411549A1	90.150.09		19		35.726.36	01	30
411668A1	35.701.02	02	1	425-157	55.514.01		17
	82.100.02	01		42541849	10.246.01		17
411892A1	39.100.03		1	42541850	10.246.01		16
411908A1	90.156.03		27	42541851	10.246.01		15
411909A1	90.156.03		24	42547619	10.246.01		19
411910A1	90.156.03		8	42548060	10.246.01		22
411911A1	90.156.03		12	42550486	10.246.01		18
411912A1	90.156.03		18	42550487	10.246.01		20
411914A1	90.156.03		16	42550488	10.246.01		21
412087	35.726.21	02	4	42550932	10.246.01		23
	35.726.21	03	4	427-3058	10.220.01		18

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
427-3058	10.220.02		15	448284A1	35.350.02		6
427-5094	84.120.01		20	448428A1	50.104.01		12
427-6088	35.726.19	02	22	448429A1	50.104.01		13
	35.726.30	01	29	448607A1	90.156.02		1
	35.726.36	01	27	448608A1	90.156.02		6
427-6106	33.202.03		4	448609A1	90.156.02		5
429-1012	82.100.01	02	8	448676A1	39.121.06	01	4
429230A1	44.100.16	01	1	449842A1	90.108.01	02	8
429231A1	44.100.17	01	1	451384A1	39.121.01	02	3
429232A1	44.100.17	01	2		39.121.02	02	3
43118	55.514.01		15	452140A1	27.120.02	01	8
43127	21.113.01	03	3	484-6316	21.112.04	01	3
	35.701.04	01	16		21.112.04	02	3
	35.701.05	01	18	4890088	10.246.01		6
	35.701.06	01	16	4890189	55.440.01		22
	35.701.06	02	18	4890190	55.440.01		17
	35.724.07	01	12	4890193	55.440.01		21
	35.726.08	01	29	4890343	10.414.01	01	2
	55.408.09		3	4890634	10.246.01		7
	84.120.01		14	4890635	10.246.01		14
43128	35.701.04	01	10	4890700	10.246.01		4
	35.701.05	01	12	4890732	10.414.02		
	35.701.06	01	10		10.414.02		8
	35.701.06	02	12	4890832	10.102.04		4
43129	35.701.04	01	15		10.102.04		4
	35.701.05	01	17	4890833	10.102.03	02	6
	35.701.06	01	15		10.102.03	02	8
	35.701.06	02	17	4890926	10.218.03		8
43140	35.726.11	01	20	4890929	10.218.03		3
	35.738.03	01	19	4890964	10.210.01		4
	35.740.02	02	19		55.440.01		7
43144	35.738.03	01	10	4891024	10.101.01		1
	35.740.02	02	13	4891025	10.101.01		2
432-48	10.220.01		19	4891209	10.102.04		5
	10.220.02		10		10.102.04		5
	10.220.02		16		10.110.03		7
432-612	33.202.03		5	4891252	10.402.01		1
	35.724.03	01	27	4891353	10.001.02	01	6
	35.724.07	01	9		10.001.02	01	6
	35.726.19	02	23	4891385	10.246.01		8
	35.726.19	02	6	4892255	55.440.01		18
	35.726.19	04	4	4892426	10.414.02		
	35.726.22	01	13		10.414.02		7
	35.726.30	01	30	4892708	10.105.02		2
	35.726.30	02	3		10.105.02		2
	35.726.36	01	28	4892712	10.105.01		2
	35.726.36	02	3		10.105.01		2
	39.125.01		34	4892713	10.105.01		3
	84.120.01		21		10.105.01		3
432-828	35.724.03	01	13	4892732	10.414.02		
	35.724.06		12		10.414.02		6
	35.724.07	02	12	4892762	10.406.10		5
	35.726.09	03	18	4892859	10.101.01		2
432431A1	90.154.02		10	4892860	10.106.04		4
	90.154.07		1	4892861	10.101.01		1
43362	35.726.20	01	15	4892867	10.103.06		2
	35.726.20	02	7		10.103.06		2
	35.726.21	01	15	4892915	10.102.03	02	2
	35.726.22	02	9		10.102.03	02	2
	35.726.25		5	4893036	10.101.01		10
	35.726.38	01	12		10.102.03	02	12
434746A1	27.100.09		5		10.406.10		10
	27.100.10		5	4893244	10.101.01		16
434891A1	39.121.06	01	5	4893386	10.103.01		2
	90.120.11		3		10.103.01		2
440-10616	39.125.01		18	4893389	10.246.01		12
440-11012	10.406.06		6	4893391	10.408.01		8
	90.100.04		13	4893487	10.106.04		16
440-11036	55.514.01		14	4893518	10.246.01	02	6
440038A1	10.254.12		12	4893739	10.218.03		4
442773A1	90.154.02		20	4893936	10.101.02		5
	90.156.04		11	4893962	10.246.01		9
443432A1	35.726.32			4894095	10.214.01	01	1
444640A1	35.730.01	03	9		10.214.01	01	3
	35.732.01	07	14		10.214.01	02	5
445720A1	27.106.02	01	10		10.214.01	02	6
446195A1	35.730.01	02	9		10.214.01	02	7
446454A1	35.732.01	05	12		10.214.01	02	8

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
4894095	10.218.04		2	4895360	10.101.02		1
	10.218.04		4	4895361	10.106.04		2
	10.218.05	01	2	4895363	10.106.04		5
4894218	10.001.02	02	1	4895364	10.106.04		6
	10.001.02	02	1	4895365	10.106.04		8
4894641	05.500.01	01	16	4895378	10.102.03	02	4
	10.103.03		3		10.102.03	02	4
	10.103.03		3	4895379	10.102.03	02	5
4894721	10.210.01		5		10.102.03	02	5
4895031	10.106.04		17	4895392	10.001.02	02	6
4895037	10.304.10		6		10.001.02	02	6
4895038	10.001.02	01	4		10.400.03		
	10.001.02	01	4		10.400.03		6
4895039	10.001.02	01	3	4895393	10.001.02	02	7
	10.001.02	01	3		10.001.02	02	7
4895040	10.001.02	01	7		10.400.03		7
	10.001.02	01	7		10.400.03		7
4895045	10.408.01		5	4895394	10.400.03		6
	10.408.01		5	4895406	10.101.01		13
4895049	10.001.02	02	8		10.304.10		3
	10.001.02	02	8		10.304.10		3
4895051	10.101.01		5	4895407	10.101.01		14
4895052	10.101.01		6	4895408	10.101.01		15
4895065	10.106.04		8	4895421	10.106.04		10
4895067	10.106.04		11	4895432	10.106.04		1
4895068	10.106.04		5		10.254.06		2
4895074	10.101.01		9	4895477	55.440.01		21A
4895078	10.101.01		16	4895483	10.218.03		1
	10.406.10		6	4895489	10.102.01		2
4895080	10.406.10		3		10.304.01		2
4895082	10.406.10		4	4895538	10.102.01		10
4895085	10.101.01		11		10.304.01		10
	10.101.01		17	4895586	10.110.02		6
4895089	10.101.01		12		10.110.02		6
4895107	10.250.06		2	4895605	10.001.02	02	2
	10.250.06		2	4895610	10.304.10		5
4895133	10.250.05		2		10.304.10		5
	10.250.05		2	4895623	10.001.02	02	14
4895155	10.102.03	02	10		10.400.03		8
	10.102.03	02	3		10.400.03		8
4895157	55.440.01		16	4895625	10.001.02	02	15
4895164	10.250.06		1		10.400.03		9
	10.250.06		1		10.400.03		9
4895166	10.206.01	01	5	4895641	10.254.06		8
4895179	10.101.01		12	4895817	55.440.01		25
4895180	10.001.02	02	9	4895919	10.001.02	01	
4895183	10.101.01		4		10.001.02	01	
4895184	10.101.01		9	4895921	10.001.02	01	
4895187	10.101.01		6		10.001.02	01	
4895188	10.101.01		5	4896329	10.218.05	01	3
4895195	10.106.04		1	4896381	10.106.07		2
4895196	10.106.04		7	4896404	10.408.01		4
4895198	10.106.04		6		10.408.01		4
	10.106.04		9	4896409	10.408.01		11
4895199	10.106.04		10		10.408.01		8
4895200	10.106.04		11	4896410	10.408.01		7
4895202	10.101.02		9		10.408.01		7
4895204	10.106.04		12	4896419	10.106.07		5
4895214	10.101.02		3	4896542	55.440.01		4
4895215	10.101.01		8	4896770	10.246.01	02	7
4895228	10.001.02	01	5	4896773	10.103.06		1
	10.001.02	01	5		10.103.06		1
4895244	10.218.05	03	1	4896884	10.218.05		15
4895291	10.001.01		3		10.218.05	02	10
	10.414.02		2	4896897	10.102.06		2
	10.414.02		2		10.304.10		8
4895292	10.402.05		6	4896939	10.102.03	01	3
4895294	10.254.06		7	4896947	10.110.02		5
4895296	10.101.02		10		10.110.02		5
4895297	10.218.03		2	4896952	10.246.01		2
4895301	10.414.02		10	4896996	10.218.04		6
	10.414.02		4		10.218.05	01	4
4895305	10.218.05	03	2	4897024	10.102.04		1
4895323	10.106.07		1		10.102.04		1
	10.110.03		8	4897048	10.110.02		4
4895336	10.254.10		4		10.110.02		4
4895347	10.101.01		7	4897071	10.110.02		3
4895355	10.102.03	01	8	4897125	10.110.02		1

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4897125	10.110.02		1	4899080	10.106.07		6
4897178	10.101.01		13		10.106.07		6
4897179	10.101.01		14	4899081	10.101.01		4
4897224	10.206.01	02	5	4899089	10.106.04		9
	55.440.01		23	4899090	10.304.01		2
4897245	10.106.04		4		10.304.01		2
4897248	10.106.04		3	4899091	10.102.01		2
4897330	10.304.10		4		10.102.03	01	2
	10.304.10		4		10.304.01		2
4897457	10.106.07		4	4899092	10.101.04		3
	10.106.07		4	4899093	10.102.03	01	3
4897480	10.304.01		1		10.102.03	01	3
	10.304.01		1	4899106	05.500.01	01	27
4897934	10.110.02		11		10.250.06		7
	10.110.02		11		10.250.06		7
4898301	10.102.01		3	4899107	10.250.06		3
	10.304.01		3		10.250.06		3
4898482	10.250.05		6	4899108	10.250.06		4
	10.250.05		6		10.250.06		4
4898717	10.106.04			4899109	10.102.03	02	2
4898877	10.206.01	02	4		10.102.03	02	2
4898921	10.246.01		5		10.110.02		11
4898921C	10.246.01		5		10.110.02		11
4898921R	10.246.01		5		10.400.03		1
4899003	10.246.01		1		10.400.03		1
	10.246.01	02	4		10.402.05		6
4899009	10.001.02	02	4	4899110	10.101.04		3
	10.001.02	02	4		10.402.09		1
	10.101.01		10		55.440.01		20
4899019	10.408.01		1	4899115	05.500.01	01	15
	10.408.01		1		10.001.02	02	3
4899020	10.102.03	02	7		10.102.03	01	
	10.218.05	02	3	4899118	10.250.05		1
4899026	10.001.02	01	2		10.250.05		1
	10.001.02	01	2	4899119	10.254.10		5
	10.102.03	01	1	4899121	10.250.06		11
	10.102.03	01	1	4899124	55.440.01		15
	10.102.03	02	1	4899143	10.102.03	02	2
	10.102.03	02	1		10.102.03	02	7
4899027	10.110.02		17	4899228	10.101.02		6
	10.110.03		2	4899239	10.101.02		7
4899031	10.210.01		3	4899245	10.106.04		13
4899035	10.408.01		6	4899256	10.106.04		14
4899037	10.012.05		3	4899467	10.250.06		5
4899039	10.254.06		2		10.250.06		5
	10.254.06		3	4899519	10.250.06		6
4899046	10.103.01		5		10.250.06		6
	10.103.01		5	4899566	10.408.01		2
4899053	10.414.02		1	4899643	10.408.01		2
	10.414.02		1	4899689	10.218.03		7
4899057	55.440.01		10	4899803	10.001.02	02	9
4899058	10.250.06		9	4899815	55.100.06		2
4899063	10.102.04		3	4899849	10.206.01	01	4
	10.102.04		3	4899859	10.250.05		7
4899064	10.102.03	02	2		10.250.05		8
4899068	10.102.03	02	11		10.254.10		4
	10.102.03	02	2	4899921	10.254.06		5
	10.106.07		3		10.254.06		5
	10.106.07		3	490-11012	55.512.14	02	17
	10.206.01	01	3	493-11026	55.408.01		2
4899072	10.001.02	02	5	493-41020	21.112.04	01	5
	10.001.02	02	5		21.112.04	02	5
	10.101.01		11	495-11028	35.724.03	01	8
4899073	10.102.03	01	3		35.724.06		15
	10.102.03	01	3		35.724.07	02	14
4899074	10.102.03	02	2		90.108.17		2
4899076	10.102.03	02	2	495-11047	44.100.15	01	11
	10.102.03	02	2		55.518.06		
4899078	10.102.03	01	2	495-21031	55.408.01		3
	10.102.04		2	495-31022	10.220.02		9
	10.102.04		2		55.404.01	01	4
	55.440.01		8		55.404.01	02	3
4899079	10.012.05		4	495-81001	10.202.01		12
	10.106.07		1		90.150.09		6
	10.402.01		3	495-81184	35.724.03	01	9
	10.402.01		3		35.724.06		10
	10.402.05		5		35.724.07	02	9
	10.402.05		5	495-81226	90.120.10		4

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
495-81227	35.730.04	01	16	604-8050	10.220.01		9
	35.730.04	02	27	607-8020	39.121.06	01	12
	35.730.04	03	7	614-10020	10.406.04	01	19
	39.105.08		27		10.406.04	02	17
	39.105.09		32		21.112.04	01	26
	39.121.03		15		21.112.04	02	26
	39.121.03		8		21.113.01	01	11
	39.121.04		15		21.113.01	02	2
	39.121.04		8		21.113.01	03	26
	39.121.05		11		35.106.01	01	3
	39.121.06	02	4		35.106.01	04	5
495-81261	33.202.03		17		35.724.07	01	10
495-81267	90.150.09		11		41.204.08		19
495-81282	39.121.05		19		41.204.08		9
	39.125.01		7		90.100.02		16
496-11041	35.724.03	01	20	614-10025	33.202.03		15
496-21041	21.112.04	01	17		35.724.08		3
	21.112.04	02	17		35.726.08	01	26
	21.113.01	03	7		35.726.12	02	1
496-41041	90.116.08		4		35.726.19	02	20
496-81000	44.511.08		9		35.750.02		2
496-81018	10.220.02		7		39.100.03		2
	35.726.09	01	16		90.100.02		10
496-81028	41.204.08		11		90.100.02		5
4966240	25.102.03		12		90.100.04		3
	25.102.04	01	9	614-10030	10.414.01	01	8
4966244	25.100.08	01	6		21.112.01	01	10
	25.100.08	02	6		21.112.01	02	10
4985062	25.100.08	01	2		21.113.01	04	10
	25.100.08	02	2		35.726.08	01	15
	44.100.16	02	2		35.726.09	02	7
504080094	10.102.03	02	2		50.200.08	01	3
510120	21.155.15		10		55.512.14	01	12
5133737	25.310.01	01	14		90.100.02		22
	25.310.01	02	14	614-10035	10.220.01		23
	44.101.04	02	8		21.113.01	01	18
5135738	10.250.06		9		21.113.01	02	16
514-823	35.106.01	04	3		35.726.19	01	4
514-832	35.106.01	03	4		35.726.19	02	12
	35.106.02	01	4		35.726.19	03	10
	35.106.02	02	4		35.726.19	04	9
514-847	10.220.02		3		35.726.31	01	15
515-2179	39.125.01		14		35.726.31	02	11
515-22127	10.406.01	01	17		41.204.08		20
	35.726.08	01	28		55.512.16	01	6
515-22254	10.406.01	01	16		55.512.16	03	6
515-2295	35.726.08	01	23	614-10040	35.350.02		8
	35.726.13	02	7		35.701.02	01	21
515-23143	10.254.11		24		55.100.35		16
	50.200.08	02	18	614-10050	84.120.01		18
515-23159	41.200.02		3	614-10070	50.200.08	02	15
	41.200.03		3	614-10080	10.254.11		3
	41.200.04		23	614-12016	21.133.02	02	2
515-23444	10.214.01	01	6	614-12025	25.100.02	01	11
	55.100.02	01	2		25.100.02	02	11
	55.512.16	02	2		25.100.02	03	11
	55.512.17	02	2		33.202.12		9
515-2379	33.202.14		5		44.100.15	02	9
515-25190	21.109.02		27	614-12030	10.406.06		4
	33.202.12		7	614-12035	10.012.03		3
	33.202.13		7		10.012.03		3
	35.726.13	01	10		21.112.04	01	27
515-25254	35.106.01	01	15		21.112.04	02	27
	35.106.01	04	4		21.113.01	03	10
	35.701.02	01	17	614-12040	10.012.03		10
515-2595	35.726.13	02	6		10.012.03		10
5165162	25.310.01	01	13		25.100.02	01	
	25.310.01	02	13		25.100.02	02	
5194294	21.113.01	04	25		25.100.02	03	
561201	25.102.03		11		90.120.01	01	6
	25.102.04	01	8	614-20030	10.406.06		2
569-4	90.154.02		14	614-6016	10.220.01		32
570186	35.106.01	01	30		35.724.03	01	15
	35.106.01	01	5		35.724.06		2
604-12030	90.120.01	01	9		35.724.07	02	4
604-20040	39.105.07		17		39.125.01		13
	39.105.08		20	614-6020	10.254.12		15
	39.105.09		12		35.724.03	01	30

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
614-6020	35.724.03	01	7	627-8020	10.254.03		3
	35.724.06		16	637-63113	33.202.14		11
	35.724.07	01	11		33.202.14		17
	35.724.07	02	15	637-63153	33.202.14		13
	55.408.01		13	638-54825	25.102.01	01	10
614-6025	10.220.01		32		25.102.01	02	10
	35.726.22	01	2		25.102.01	03	10
	55.301.07		20		25.102.04	01	20
614-6035	10.254.12		4	700-101	33.202.14		9
614-8012	10.406.04	02	15	700-304	33.202.14		15
	21.109.02		2	700-345	33.202.14		12
614-8016	10.414.01	01	10	711-10040	35.730.04	01	3
	35.750.01		9		35.730.04	02	13
	55.301.07		25		35.730.04	03	24
	55.301.08		19		39.105.07		20
	84.120.01		13		39.105.08		35
614-8018	21.104.03	01	11		39.105.09		24
	21.104.03	02	11	711-10050	35.106.01	01	21
	21.113.01	01	4		35.106.01	04	6
614-8020	10.202.01		2		41.200.02		4
	10.220.01		9A		41.200.03		4
	33.202.03		28		41.200.04		24
	50.200.08	01	15	725403	35.106.01	02	19
	50.200.17	01	18	73300856	21.155.15		4
	50.200.17	02	18	761-17325	90.150.02	02	45
	55.100.35		19		90.160.01		45
	55.512.14	02	20		90.160.04		5
	55.518.07		15	76349	35.726.20	01	20
	90.150.09		15		35.726.20	02	12
	90.150.10		14		35.726.21	01	20
614-8022	21.154.03		2	76904	10.406.04	01	8
	21.154.03		2		10.406.04	02	27
614-8025	10.214.01	02	10	781-24613	35.726.09	01	20
	10.254.11		25		55.512.14	02	10
	10.406.01	01	12	781-24820	90.150.09		8
	10.406.04	01	22	79081900	10.202.03		5
	10.408.07		11	800-1130	21.140.01	01	31
	35.701.02	01	16		21.140.01	02	31
	35.726.30	01	25		21.155.14		25
	35.726.36	01	23	800-1150	21.140.01	01	26
	55.201.09		12		21.140.01	02	26
	55.201.09		4		21.155.03		6
	55.512.13		2		21.155.14		23
	55.512.14	02	19		27.120.02	01	1
	55.512.15	01	2		27.120.02	02	1
	82.100.02	01	27	800-40070	39.105.08		14
614-8030	10.406.04	01	9		39.105.09		6
	10.406.04	02	26	800-40080	35.730.04	01	21
	33.202.14		8		35.730.04	02	25
	35.726.09	03	4		35.730.04	03	23
	35.726.31	01	20		39.105.08		25
	35.726.31	02	7		39.105.09		23
	39.100.03		3	800-44040	39.121.01	02	9
	39.125.02		8		39.121.02	02	9
	50.104.01		28		39.125.01		31
	50.206.03		19		39.125.02		4
	55.100.02	01	3		84.120.01		4
	55.100.35		2	800-44050	25.100.02	01	5
	55.100.40		2		25.100.02	02	5
	55.512.16	02	3		25.100.02	03	5
	55.512.17	01	2		39.125.01		8
	55.512.17	02	3		44.100.15	01	5
	90.116.08		5		44.100.15	02	10
614-8035	10.406.04	02	19	800-5145	21.154.03		19
614-8040	10.254.12		7		21.154.03		19
	10.406.01	01	21	800-6138	35.726.15		2
614-8050	35.726.09	03	26	806-8016	10.406.04	02	24
627-10025	35.726.13	01	14	806-8025	10.202.01		11
	35.726.13	02	13		39.100.03		4
627-10030	10.254.11		11	80681	39.125.03		3
	21.112.04	01	16	80714	39.125.03		7
	21.112.04	02	16	8093882	10.105.02		4
	21.113.01	03	6		10.105.02		4
627-12025	10.220.01		26	8093883	10.110.02		3
627-20060	10.214.01	01	11	8094740	10.105.01		
	10.214.01	02	15	8094845	10.105.01		
	35.750.01		6	8094960	10.105.02		4
627-8020	10.254.03		3		10.105.02		4

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
8094961	10.105.02		4	814-8070	33.202.14		7
	10.105.02		4		35.726.09	03	8
8097552	05.500.01	01	23	814-8100	50.200.08	01	11
811-6016	10.254.12		14	814-8110	50.200.08	01	10
814-10045	21.104.02		7		50.200.08	02	11
	35.350.02		20	814-8120	50.200.08	02	10
	35.726.09	02	4	81868381	35.724.09		8
	35.726.12	02	2		35.724.09	01	6
814-10050	35.732.01	05	14		35.724.10	01	9
	41.204.08		10		35.724.10	02	9
814-10055	35.726.09	01	15		35.726.16	01	14
	50.200.08	01	2		35.726.17	01	6
814-10060	35.701.02	01	5		35.726.17	02	14
	35.726.09	02	10		35.726.18	01	6
	35.726.12	03	1	82012726	10.214.01	01	19
	35.726.12	06	1		10.214.01	02	23
	82.100.02	01	25	82026949	05.500.01	03	2
814-10070	35.701.07		6		33.202.03		21
	35.701.09	01	4	824-1405	35.726.35		5
	35.701.09	02	4		55.100.35		7
	35.739.04		17		55.100.40		8
	35.739.05		17		55.512.17	01	7
	50.200.08	02	9	824-1408	35.738.02	02	16
814-10080	35.350.02		3		55.100.02	01	5
	35.701.02	01	29		55.512.16	02	5
	35.726.11	02	5		55.512.17	02	5
	35.726.19	01	5	825-11412	10.220.02		8
	35.726.19	02	7		35.106.01	03	5
	35.726.19	03	5		35.106.02	01	5
	35.726.19	04	5		35.106.02	02	5
	82.100.02	01	20		35.726.13	01	15
814-10090	10.414.01	02	4	825-1404	35.724.04		21
	35.701.02	01	22		35.724.04		6
	35.701.08		4		35.724.05		23
	35.724.03	01	29		35.724.05		7
	82.100.02	01	16	825-1405	90.160.02		33
814-10110	35.701.08		5		90.160.03		33
	35.724.03	01	36	825-1408	35.106.01	02	18
814-10150	21.112.01	02	1	825-2405	90.150.02	02	36
814-10220	50.200.17	01	20		90.160.01		36
	50.200.17	02	20	825-2406	50.206.03		27
814-12080	21.112.04	01	31	825-2408	50.104.01		30
	21.112.04	02	31		50.206.03		21
	21.113.01	03	14	825-2410	90.100.02		6A
	35.726.13	01	16		90.100.04		5
814-12090	10.012.03		5		90.100.04		8
	10.012.03		5	827-10040	10.254.11		20
814-12100	90.100.02		14	827-10045	10.254.11		19
814-12130	50.200.08	01	5	827-10060	10.254.11		22
814-6050	41.200.01	01	3	827-10130	55.201.09		15
	41.200.01	02	3	827-12065	21.112.04	01	9
	55.518.06		2		21.112.04	02	9
	55.518.07			827-16085	39.100.03		5
814-6080	35.726.27	01	2	827-16100	39.100.03		6
	35.726.28	01	3	827-20075	35.730.04	01	31
814-6090	35.701.01	02	3		35.730.04	03	31
814-8035	33.202.03		18		35.739.04		14
	35.732.01	02	8		35.739.05		14
	35.732.01	03	16	827-20170	37.140.01		3
	50.200.08	02	14	827-20190	39.125.02		16
814-8040	35.726.12	02	3	827-20200	27.100.08	01	3
	35.726.20	01	31		27.100.08	02	3
	35.726.20	02	26	827-6050	35.726.13	02	23
	35.726.21	01	32	828-20160	82.100.01	02	5
814-8050	35.726.31	01	24	829-1310	35.726.13	01	12
	50.200.08	02	13		35.726.13	02	14
	84.120.01		8	829-1406	10.254.12		26
814-8055	21.155.16		10		35.701.01	02	5
	33.110.04		17		35.724.03	01	32
	33.110.05		17		35.724.07	01	13
	33.110.06		17		35.726.13	02	20
	35.732.01	02	4		35.726.22	01	3
	35.732.01	03	8		35.726.27	01	3
814-8060	21.134.05		7		35.726.28	01	4
	21.154.01	01	16	829-1408	10.220.01		11A
	21.154.01	02	16		10.254.11		27
	21.155.01		16		10.254.12		17
814-8065	35.732.01	04	5		33.202.03		8

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
829-1408	35.724.07	01	14	832-10408	10.406.01	01	14
	35.726.08	01	31		10.406.01	01	25
	35.726.09	03	7		10.406.04	01	21
	35.726.31	01	19		10.406.04	02	20
	35.726.31	02	8		10.408.07		10
	35.732.01	02	6		33.202.03		19
	35.732.01	03	6		33.202.03		3
	35.732.01	04	4		35.726.09	02	12
	39.125.02		11		35.726.12	02	4
	50.200.08	02	16		35.726.20	02	28
	50.200.17	01	23		35.726.21	01	34
	50.200.17	02	23		35.726.30	01	33
	55.100.35		20		35.726.36	01	31
	55.512.13		4		41.204.08		17
	55.512.14	02	14		41.204.08		25
	55.512.15	01	4		50.206.04		8
	84.120.01		10		50.206.05		12
829-1410	10.254.11		13		50.206.05		17
	10.254.11		6		55.100.35		4
	21.109.02		25		55.100.40		4
	33.202.09		3		55.301.07		12
	35.106.01	01	13		55.301.08		11
	35.106.01	04	7		55.408.09		4
	35.350.02		21		55.512.17	01	4
	35.724.03	01	26		55.518.07		18
	35.724.06		8		90.150.09		16
	35.724.07	02	7		90.150.10		16
	35.726.08	01	27		90.154.02		11
	35.726.09	02	9		90.154.07		2
	35.726.12	03	2	832-10410	33.202.03		27
	35.726.12	06	2		35.701.02	01	19
	35.726.19	01	7		35.726.08	01	16
	35.726.19	02	9		35.726.09	03	10
	35.726.19	03	7		35.726.12	02	5
	35.726.19	04	7		35.726.19	02	21
	35.726.31	01	23		35.726.20	01	33
	35.726.31	02	12		35.730.04	01	8
	35.739.04		19		35.730.04	02	12
	35.739.05		19		35.730.04	03	25
	35.750.02		6		35.732.01	05	15
	39.100.03		7		39.105.07		18
	41.200.02		5		39.105.08		36
	41.200.03		5		39.105.09		25
	41.200.04		27		41.204.08		13
	50.200.08	02	17		50.200.17	01	21
	55.512.14	01	11		50.200.17	02	21
	55.512.16	01	7		55.201.09		18
	55.512.16	03	7		82.100.02	01	18
829-1412	50.200.08	01	12		82.100.02	01	22
	90.100.02		19		82.100.02	01	8
829-1416	39.100.03		8		90.100.02		12
829-1420	27.100.08	01	5		90.150.09		12
	27.100.08	02	5	832-10412	10.012.03		9
	35.730.04	01	29		10.012.03		9
	35.730.04	03	29		21.112.04	01	11
	35.739.04		15		21.112.04	01	34
	35.739.05		15		21.112.04	02	11
	37.140.01		4		21.112.04	02	34
	39.125.02		19		21.113.01	03	11
829-2412	10.406.06		5	832-10420	82.100.01	02	3
829-2420	10.406.06		3	832-41312	35.732.01	05	18
832-10404	33.202.03		24	833-40310	39.100.03		9
	90.100.10		12	833-40406	35.726.09	01	35
	90.150.02	02	41		39.125.01		15
	90.160.01		41		50.206.03		26
	90.160.04		12		55.404.01	01	13
832-10406	10.254.12		24		90.100.09		3
	10.254.12		6		90.100.10		13
	35.726.21	02	7		90.150.02	02	23
	35.726.21	03	7		90.150.03		5
	41.200.01	01	4		90.160.01		23
	41.200.01	02	4		90.160.02		14
	55.100.02	01	7		90.160.03		14
	55.301.07		18	833-40408	10.202.01		13
	55.512.14	01	10		10.406.04	02	18
	55.512.16	02	7		39.100.03		10
	55.512.17	02	7		50.200.17	01	17
832-10408	10.220.03		7		50.200.17	02	17

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
833-40408	55.518.07		17	84157590	35.724.17		2
	90.150.10		12	84157939	35.150.08	01	
838-3640	10.220.01		16		35.726.16	02	5
83822C1	50.206.03				35.726.17	03	6
83918746	39.125.03		4		35.726.17	04	5
83931335	35.726.10	02	12		35.726.18	02	5
	35.726.11	01	18	84157941	35.150.08	01	3
83961985	90.154.02		45	84157943	35.150.01	01	8
	90.156.04		8	84159488	50.200.08	02	3
	90.156.05		16	84159489	50.200.08	01	8
83962539	35.701.07		11	84159675	35.740.01	01	1
	35.701.09	01	13		35.740.01	02	1
	35.701.09	02	12	84159680	35.740.01	02	3
	35.726.08	01	6	84161677	25.102.01	01	3
83981068	35.724.10	01	19		25.102.01	02	3
	35.724.10	02	19		25.102.01	03	3
	35.726.17	01	14		25.102.04	01	15
	35.726.18	01	14	84168581	55.518.06		
83998666	10.214.01	01	18	84169264	35.724.07	01	15
	10.214.01	02	22	84169285	39.121.09		2
840-1410	55.510.01		3	84170641	39.121.03		19
840-1412	90.150.02	02	31		39.121.04		19
	90.160.01		31	84170645	39.121.07		3
840-1416	35.726.09	02	14		39.121.10		4
840-1625	90.150.02	02	28		39.121.11		4
	90.160.01		28	84171217	39.121.03		11
	90.160.02		26		39.121.04		11
	90.160.03		26		39.121.04		22
84062222	21.134.01		15		39.121.05		6
84124604	35.724.10	01	7	84171343	39.121.03		20
	35.724.10	02	7		39.121.04		20
84128131	35.726.19	02	4		39.121.05		7
	35.726.19	03	3	84174986	90.120.01	02	8
	35.726.19	04	10	84178909	55.512.14	01	6
84129691	90.154.02		33		55.512.16	01	12
84130482	35.736.04		13		55.512.16	03	12
	35.738.04	01	13	84181871	35.738.02	02	4
	35.738.04	02	13	84182292	35.740.02	01	1
84131040	10.001.02	01		84183884	25.310.01	01	5
	10.001.02	02		84183888	25.310.01	01	4
	10.103.01			84183899	25.310.01	02	4
	10.105.01			84189105	39.125.03		30
	10.105.02			84189277	82.100.01	02	1
	10.106.07			84190157	90.150.09		21
84131050	10.101.01			84190158	90.150.09		22
84131473	10.001.02	01		84190159	90.150.09		2
	10.001.02	02		84190161	90.150.09		2
	10.103.01			84190163	90.150.09		23
	10.105.01			84190554	35.738.04	01	14
	10.105.02			84191654	90.120.01	02	10
	10.106.07			84200896	35.726.12	01	5
84134639	35.150.15	02	13		35.726.12	04	4
	35.150.16	03	12	84203217	35.726.02		5
84139327	35.701.08		12		35.726.03	02	5
84144410	35.724.08		1		35.726.04	01	9
84146318	35.724.03	01	40		35.726.04	02	9
	35.724.06		18	84203219	35.726.04	03	9
84147468	10.414.01	01	6		35.726.04	04	9
84149866	10.001.01		1	84204337	35.730.03	02	2
	10.001.01		1	84204342	35.730.01	02	3
	10.012.03			84204689	35.730.03	02	8
	10.012.03			84205602	35.730.03	02	14
84149866C	10.001.01			84205603	35.730.03	03	2
	10.001.01			84208503	35.738.01	03	2
	10.012.03			84208508	35.738.01	03	12
	10.012.03			84208516	35.736.02		13
84149866R	10.001.01				35.736.03		14
	10.001.01				35.738.01	03	4
	10.012.03			84208518	35.738.01	03	13
	10.012.03			84210060	44.511.08		4
84150048	35.730.01	02	14	84210797	44.101.04	02	3
84153643	35.730.01	02	13	84210929	35.730.03	02	1
84157590	35.150.02		2		35.737.01	02	10
	35.150.03		2	84210930	35.730.03	03	1
	35.150.09		2		35.737.01	03	2
	35.150.11		4	84210934	35.738.03	01	1
	35.724.15		2	84210935	35.738.02	01	13
	35.724.16		2		35.738.02	02	17

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
84210935	35.738.04	01	1	84221138C	44.100.15	02	1
84210936	35.738.04	02	1	84221138R	44.100.15	02	1
	35.740.02	01	2	84222154	35.732.01	01	12
	35.740.02	02	1		35.732.01	06	12
84210937	35.732.01	01	1	84222272	05.500.01	03	26
	35.739.05		1		55.512.16	01	9
84210938	35.732.01	06	1		55.512.16	03	9
	35.739.04		1		55.512.17	01	14
84210939	35.736.02		1	84222273	05.500.01	03	14
	39.125.01		9		55.512.16	01	10
84210940	35.701.12		1		55.512.16	03	10
	35.736.04		1		55.512.17	01	15
	39.125.01		9	84222275	05.500.01	03	24
84210943	35.701.13		1		55.512.16	01	30
	35.738.01	02	1		55.512.16	03	30
84210944	35.701.13		1	84222277	05.500.01	03	16
	35.738.01	03	1		55.518.06		
84210946	35.732.01	01	1		90.150.10		23
	35.739.05		2	84222278	05.500.01	03	22
84210947	35.732.01	06	1		55.518.06		
	35.739.04		2	84222279	05.500.01	03	15
84210948	35.732.01	07	1		90.150.10		24
	35.739.04		2	84222280	05.500.01	03	21
8421102	44.100.16	02	5	84222282	05.500.01	03	17
84211140	44.101.04	02	7	84222283	05.500.01	03	18
84212184	35.732.01	07	1		55.512.16	01	21
	35.739.04		1		55.512.16	03	21
84212408	35.736.04		16	84222284	55.408.01		15
84214054	35.726.02		4	84222285	05.500.01	03	19
	35.726.03	02	4	84222286	05.500.01	03	20
	35.726.16	02	1	84222287	05.500.01	03	11
84214059	35.726.04	01	4		55.512.16	01	31
	35.726.04	02	4		55.512.16	03	31
	35.726.17	04	1	84222541	90.150.02	01	1
84214061	35.726.05		4	84222542	90.150.02	01	1
	35.726.17	03	1	84222543	90.150.02	01	1
84214062	35.726.07		4	84222544	90.150.02	01	1
	35.726.18	02	1	84223633	39.121.07		4
84214564	05.100.01		3		39.121.11		2
	05.500.00	01	7	84223652	39.121.03		14
	10.206.01	01	6	84223653	39.121.03		4
84216090	39.125.02		2		39.121.04		4
84216891	39.125.01		24		39.121.05		9
84216892	39.125.01		25		39.121.06	02	2
84216893	39.125.02		21	84223654	39.121.03		3
84217316	35.730.04	02	8		39.121.04		3
	39.105.08		8		39.121.05		8
84217317	39.105.07		8	84224057	35.701.11		1
	39.105.08		15		35.736.03		1
84217319	39.105.07		14		39.125.01		9
	39.105.08		17	84224079	35.738.01	01	1
84217320	39.121.08		1	84224307	90.150.01	01	2
84217542	39.100.01		2		90.150.10		25
	39.100.02		2	84224308	90.150.01	02	2
84217762	35.724.09				90.150.10		22
84218265	35.724.09	01		84224312	90.154.02		1
84218271	35.724.09	01		84224316	90.154.02		47
84218281	35.724.10	01		84224317	90.154.02		26
84218282	35.724.10	01		84224327	90.154.02		1
84218283	35.701.08		1	84224331	90.154.02		48
	35.724.10	02		84224336	90.154.02		44
84218297	35.726.18	01	1		90.156.04		7
84218880	35.701.02	01	8		90.156.05		15
84218959	35.106.02	02	1	84224342	90.156.05		4
84218965	35.106.02	01	1	84224343	90.156.05		5
84218971	35.106.01	02	1	84224344	90.154.02		23
	35.106.01	03	1	84224345	90.154.02		37
84219829	35.701.02	01	25	84224346	90.154.02		29
84219830	35.701.02	01	28	84224347	90.154.02		27
84219839	35.701.02	02	2	84224348	90.154.02		13
84219844	35.701.02	02	3	84224349	90.154.02		13
84219846	35.701.02	02	4	84224358	90.154.02		41
84219974	35.701.09	01	1		90.156.04		28
	35.701.09	02	1	84224360	90.156.05		26
	35.724.11		1	84224361	90.156.05		35
84219975	35.701.07		3	84224372	90.160.01		2
	35.724.09			84224373	90.160.02		2
84221138	44.100.15	02	1		90.160.03		2

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
84224373	90.160.04			84229923	39.121.04		24
84224374	90.150.02	02	2	84229925	39.121.01	02	16
84224375	90.160.04		1	84229926	39.121.09		4
84224376	90.150.02	02	29		39.121.10		2
	90.160.01		29	84229978	39.121.04		1
	90.160.02		27	84229979	39.121.03		1
	90.160.03		27	84229982	39.121.03		16
84224377	90.150.02	02	47	84229983	39.121.03		17
	90.160.04		6	84230435	39.121.04		16
84224378	90.150.02	02	32	84230436	39.121.04		17
	90.160.01		32	84230684	39.121.05		3
	90.160.02		30	84230685	39.121.05		4
	90.160.03		30	84230693	39.121.05		5
84224379	90.150.02	02	5	84230813	39.105.06		2
	90.160.01		5	84230831	35.730.04	03	4
	90.160.05				39.105.09		4
84224380	90.160.02		5	84230833	39.105.08		11
	90.160.03		5		39.105.09		11
	90.160.05				39.105.09		5
84224381	90.160.05		1	84230834	39.105.09		9
84224382	90.160.05		1	84230835	39.105.09		16
84224388	90.154.02		39	84231817	39.121.04		14
84224389	90.154.02		36	84231908	39.121.03		22
84224390	90.154.02		29	84231927	35.732.01	05	24
84224391	90.154.02		27		39.121.03		10
84224394	90.156.04		3		39.121.03		6
84224396	90.156.04		5		39.121.04		6
84224398	90.156.05		24		39.121.05		13
84224399	90.156.05		25	84232491	35.350.02		12
84224845	39.105.07		13	84232661	35.738.04	01	8
	39.105.08		16		35.738.04	02	8
	39.121.01	02	14	84232667	35.738.04	02	2
	39.121.02	02	14	84232746	35.150.11		6
	39.121.03		13		35.724.16		4
	39.121.04		10	84233180	35.730.03	03	3
	39.121.04		13	84233185	35.730.03	03	14
	39.121.05		17	84233187	35.730.03	03	8
	39.121.08		3	84233192	35.730.01	03	3
	39.121.08		3	84233198	35.730.01	03	14
84224880	39.121.03		2	84233448	35.738.04	01	2
	39.121.04		2	84233536	35.732.01	05	23
84224886	35.730.04	01	10		39.121.03		23
	35.730.04	02	10		39.121.03		5
	39.105.07		10		39.121.04		21
	39.105.08		10		39.121.04		5
	39.121.01	02	13		39.121.05		12
	39.121.02	02	13	84234099	35.732.01	07	2
	39.121.03		12	84234101	35.732.01	07	12
	39.121.04		12	84234107	35.732.01	07	13
	39.121.04		23	84234111	35.732.01	07	4
	39.121.05		16	84234330	39.121.02	01	4
	39.121.08		2	84234351	39.121.02	01	1
84225660	39.121.01	02	12	84234506	39.121.01	01	1
	39.121.02	02	12	84234672	39.121.01	01	4
84225954	25.102.03		4	84234832	39.121.01	02	1
	25.102.04	02	4	84234854	39.121.09		3
84226495	35.732.01	05	21		39.121.10		3
84226809	39.100.01		5	84235028	35.732.01	07	2
84226810	39.100.01		6	84235066	82.100.01	01	1
84226811	39.100.02		5	84235607	35.730.04	03	32
	39.100.02		6		39.105.06		5
84227018	39.121.03		24	84235628	82.100.01	01	4
84227023	05.500.01	01	29		82.100.01	02	4
	39.121.03		25	84236850	05.500.01	01	4
	39.121.04		25		55.404.01	02	5
84228038	05.500.01	03	23		55.514.01		6
	55.512.16	01	4	84237467	90.108.01	02	1
	55.512.16	03	4	84237478	90.108.01	02	2
84228260	35.732.01	06	13	84237480	35.736.02		8
84228475	55.201.09		14	84237677	35.730.04	03	33
84228955	84.100.01	01	1	84237692	35.736.02		2
84228960	84.100.01	03	1	84237793	35.736.02		3
84228962	84.100.01	04	1		35.736.03		3
84228964	84.100.01	04	1	84237866	35.736.03		8
	84.100.01	05	1	84237939	35.738.01	02	2
84228965	84.100.01	06	1	84237943	35.738.01	01	12
84228967	84.100.01	05	1		35.738.01	02	12
84229922	35.732.01	05	22	84237948	35.738.01	01	4

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
84237948	35.738.01	02	4	84246323	35.730.04	03	13
84237950	35.738.01	02	13		39.105.07		5
84237953	35.738.01	01	13		39.105.08		5
84238031	39.105.09		3		39.105.09		13
84238043	55.512.15	02	12	84246414	84.120.01		1
84238391	05.500.01	03	13	84246495	39.121.07		1
	55.512.16	03	1	84246514	39.121.10		1
84238460	39.105.08		3	84246688	39.121.09		1
84238609	35.738.01	01	2	84246711	39.121.09		5
84238629	35.736.04		2	84246776	35.730.04	01	7
84238632	35.736.04		3		35.730.04	02	7
84238636	35.736.04		14		35.730.04	03	15
84238638	35.736.04		8		39.105.07		7
84238640	35.732.01	01	2		39.105.08		7
84238780	05.500.01	02	30		39.105.09		15
84238794	35.730.03	01	14	84246814	35.730.04	01	2
	35.732.01	06	4		35.730.04	02	2
84238796	35.730.03	01	8		35.730.04	03	2
84238799	35.730.01	01	3		39.105.08		2
84238804	35.730.01	01	14		39.105.09		2
	35.732.01	01	4	84246816	35.730.04	03	21
84239658	05.500.01	02	31		39.105.09		21
84239659	05.500.01	02	32	84246817	35.730.04	03	18
84239664	05.500.01	02	33		39.105.09		18
84239665	05.500.01	02	34	84247050	39.121.11		1
84240490	35.701.14		5	84247078	35.730.04	03	22
84240497	35.701.14		6		39.105.09		22
84240578	39.105.07		22	84247079	39.121.01	01	1
	39.105.08		40	84247108	35.726.23		2
84241093	05.500.01	03	12		35.726.24		2
	55.512.18		2	84247109	35.726.20	02	5
	55.512.20		2		35.726.37	01	1
84241474	35.106.01	02	21		35.726.38	01	14
84241615	25.100.08	01	13	84247110	35.726.09	05	1
	25.100.08	02	13		35.726.20	01	11
84241623	25.100.08	01	14		35.726.21	01	11
	25.100.08	02	14		35.726.22	02	5
84241624	25.100.08	01	11		35.726.25		6
	25.100.08	02	11	84247140	39.121.05		2
84241703	35.732.01	01	13	84247142	39.121.05		1
84241705	35.732.01	01	2	84247279	84.120.01		2
84242860	90.150.09		1	84248499	35.106.01	01	1
84242861	90.150.09		1		35.106.01	04	13
84242867	90.150.10				35.750.03		1
84242868	90.150.10				41.200.04		22
84243665	35.732.01	05	25	84248656	39.105.07		11
84243667	35.732.01	05	26	84248744	35.730.04	01	4
84243668	35.732.01	05	27		35.730.04	02	4
84243715	35.736.03		2		39.105.07		4
84244076	84.100.01	01	12		39.105.08		4
	84.100.01	03	11	84249274	35.730.04	01	18
	84.100.01	04	11		35.730.04	02	21
	84.100.01	05	11		39.105.08		21
	84.100.01	05	11	84249275	35.730.04	01	22
	84.100.01	06	12		35.730.04	02	24
84244078	84.100.01	01	11		39.105.08		24
	84.100.01	03	12	84249358	35.730.04	03	11
	84.100.01	04	12		39.105.09		28
	84.100.01	05	12	84249377	39.121.06	01	2
	84.100.01	05	12	84249588	90.154.02		46
	84.100.01	06	11		90.156.04		9
84245410	35.106.01	01	16		90.156.05		17
84245419	35.701.08		13	84249602	25.310.01	01	1
84245639	35.730.04	01	26	84249603	25.310.01	02	1
	35.730.04	02	14	84249957	35.726.08	01	8
	35.730.04	03	17	84250576	35.732.01	05	17
	39.105.07		19	84251282	41.200.01	01	9
	39.105.08		34	84251296	41.200.01	01	8
	39.105.09		17		41.200.01	02	8
84245855	39.105.07		3	84251872	35.106.01	01	6
84246051	39.105.07		23		35.106.01	04	14
	39.105.08		41	84252231	41.200.01	02	9
84246306	90.156.05		1	84252236	35.726.27	01	6
84246307	90.156.05		2		35.726.28	01	8
84246308	90.156.05		3	84252637	25.310.01	02	9
84246309	90.156.04		23		44.101.04	02	6
84246323	35.730.04	01	5	84252967	25.102.03		5
	35.730.04	02	5	84252987	35.726.08	02	11

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
84253759	35.732.01	02	12	84258434	25.300.02		4
84253805	25.102.03		6	84258436	25.300.02		1
84254110	39.100.03		11	84258437	25.300.02		2
84254245	35.726.27	01	7	84258439	25.300.02		4
84254246	35.726.27	01	8	84258508	25.102.01	01	9
84254289	55.201.09		3		25.102.01	02	9
	55.301.01		1		25.102.01	03	9
84254545	35.726.05		9		25.102.04	01	19
	35.726.07		11	84258517	25.100.08	01	17
84254679	35.701.14		8		25.100.08	02	17
84254687	37.140.01		1	84258633	35.738.02	01	1
84254688	37.140.01		2	84258634	35.738.02	01	2
84254941	35.726.31	02	16	84258749	35.726.23		12
84254943	35.726.31	02	13		35.726.24		10
84254944	35.726.31	02	14	84259029	35.738.02	02	10
84255579	35.730.04	01	12	84259030	35.737.01	01	10
	35.730.04	02	28		35.737.01	02	14
	39.105.07		12		35.737.01	03	23
	39.105.08		9		35.738.02	02	11
84255607	05.100.01		5	84259186	35.726.23		1
	05.500.00	01	10		35.726.24		1
	35.750.03		2	84259218	05.500.01	02	12
84255714	35.701.09	01	20		35.730.03	01	17
	35.701.09	02	16	84259219	05.500.01	02	13
84255908	05.500.01	02	17		35.730.03	02	17
84255991	35.701.01	02	13	84259220	05.500.01	02	19
84256410	35.701.01	02	11		35.730.03	03	17
84256418	35.732.01	02	13	84259221	05.500.01	02	14
	35.732.01	03	10	84259222	05.500.01	02	5
84256419	35.732.01	02	14		35.730.01	02	17
	35.732.01	03	9	84259223	05.500.01	02	20
84256420	35.732.01	02	15		35.730.01	03	
	35.732.01	03	12	84259224	05.500.01	02	16
84256421	35.732.01	02	16	84259225	05.500.01	02	6
	35.732.01	03	11		35.738.04	01	17
84256601	35.726.23		18	84259226	05.500.01	02	10
	35.726.24		16		35.732.01	01	17
84256602	35.732.01	03	1	84259227	05.500.01	02	9
84256608	05.500.01	02	18		35.732.01	06	17
84256813	35.732.01	04	9	84259228	05.500.01	02	21
84256840	35.106.01	01	11		35.732.01	07	17
	35.106.01	04	15	84259313	35.726.20	01	21
84257103	35.732.01	04	11		35.726.20	02	13
84257104	35.732.01	02	18		35.726.21	01	21
84257105	35.732.01	03	4		35.726.23		16
84257155	35.739.04		5		35.726.24		14
	35.739.05		5	84259315	35.726.20	01	16
84257323	05.500.01	02	15		35.726.21	01	16
	35.736.03		18		35.726.22	02	10
	35.738.01	03	18		35.726.25		13
84257611	35.738.02	01	5	84259608	25.108.01	01	1
	35.738.03	02	11	84259610	25.108.01	01	1
	35.740.01	01	4	84259616	25.108.01	02	1
84257618	35.738.03	02	16		44.100.17	02	1
	35.740.01	01	9	84259618	25.108.01	02	1
84257621	35.737.01	01	6		44.100.17	02	1
	35.737.01	02	5	84259703	25.310.01	02	12
84257622	35.737.01	01	5	84259753	25.108.01	01	3
	35.737.01	02	3		25.108.01	02	3
84257628	35.737.01	01	3		44.100.17	02	3
	35.737.01	02	1	84259754	25.108.01	01	2
84257632	35.737.01	01	7		25.108.01	02	2
	35.737.01	02	6		44.100.17	02	2
84257765	05.500.01	02	23	84260774	35.701.01	02	12
84257772	05.500.01	02	25	84261055	90.108.01	01	14
	35.738.01	02	18	84261061	90.108.09	01	2
84257782	35.726.20	01	7	84261062	90.108.01	01	13
	35.726.20	02	1	84261082	90.108.01	01	16
	35.726.21	01	7	84261087	90.108.01	01	15
	35.726.22	02	1	84261209	35.726.13	01	11
	35.726.25		1		35.726.13	02	11
	35.726.38	01	11		35.726.14		11
84257788	05.500.01	02	7		35.936.01		11
84258266	35.726.08	03	2	84261550	35.726.12	03	5
84258339	05.500.01	02	24		35.726.12	06	5
	35.736.04		17	84261868	90.154.02		2
84258430	25.300.02		6	84261869	90.154.02		2
84258432	25.300.02		2	84261870	90.156.04		1

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
84261871	90.156.05		11	84265982	35.701.16		3
84261872	90.156.05		32		39.125.03		
84261887	35.730.04	01	14	84266025	35.726.06		9
	35.730.04	02	26	84266069	35.738.03	01	5
	35.730.04	03	8	84266070	35.738.03	01	6
	39.105.08		26	84266292	35.701.16		4
	39.105.09		31	84266298	35.726.11	01	4
84261890	35.730.04	01	13	84266933	25.100.08	01	16
	35.730.04	02	3		25.100.08	02	16
	35.730.04	03	9	84266996	25.100.08	01	4
	39.105.08		38		25.100.08	02	4
	39.105.09		30	84268545	25.102.03		1
84261891	35.730.04	01	11		25.102.04	02	1
	35.730.04	02	11	84268547	25.102.03		7
	35.730.04	03	10		25.102.04	01	7
	39.105.08		37	84268578	35.726.19	01	1
	39.105.09		29	84268600	25.310.01	01	2
84262074	90.108.09	01	9	84268612	55.512.16	01	25
84262076	90.108.09	01	8		55.512.17	01	12
84262394	25.108.01	01	8	84269591	35.726.14		15
84262417	35.726.21	01	24		35.936.01		15
	35.726.22	02	12	84269980	35.726.18	02	1
84262450	35.740.02	02	7	84269981	35.726.06		4
84262694	35.726.23		17		35.726.17	03	1
	35.726.24		15	84269982	35.726.04	03	4
84262882	35.726.13	01	3		35.726.04	04	4
	35.726.13	02	4		35.726.17	04	1
84262886	35.726.13	01	4	84269983	35.726.16	02	1
	35.726.13	02	3	84270060	25.310.01	01	9
84262891	35.726.13	02	5	84270062	25.310.01	01	12
84262901	35.726.13	02	8	84270125	35.726.31	02	1
84263539	35.726.14		1	84270430	90.150.03		8
	35.936.01		1	84270800	05.500.01	02	28
84263543	35.726.14		2		55.512.16	01	29
	35.936.01		2		55.512.16	03	29
84263545	35.726.14		7	84270815	05.500.01	01	32
	35.936.01		7		39.125.02		17
84263547	35.726.14		8	84270868	25.108.01	01	9
	35.936.01		8	84270939	35.726.15		1
84263635	35.737.01	01	8		39.121.06	01	1
	35.737.01	02	7	84270943	35.726.15		5
84263639	35.738.03	02	15	84270949	05.500.01	02	26
	35.740.01	01	10	84270950	35.726.15		6
84263643	25.100.02	01	1	84271200	84.120.01		19
84263643C	25.100.02	01		84271320	25.310.01	02	5
84263643R	25.100.02	01		84271440	05.500.01	02	29
84263653	25.100.02	03	1	84271576	90.108.01	01	3
84263653C	25.100.02	03		84271578	90.108.01	01	4
84263653R	25.100.02	03		84271581	90.108.01	01	5
84263654	25.100.02	02	1	84271583	90.108.01	01	7
84263654C	25.100.02	02		84271585	90.108.01	01	6
84263654R	25.100.02	02		84271586	90.108.01	01	8
84263664	35.726.13	02	15	84271717	05.500.01	03	28
84263823	35.737.01	03	13		55.100.02	02	11
84263978	35.726.13	01	6		55.512.17	03	11
	35.726.13	01	7	84272032	35.701.02	01	30
84263979	35.726.13	01	5	84272055	25.310.01	01	6
	35.726.13	01	8		25.310.01	02	6
84264007	35.726.19	01	2		44.101.04	02	1
84264049	35.740.02	01	11	84272882	35.726.28	01	9
84264050	35.740.02	01	12		35.726.28	02	1
84264054	35.740.02	01	15	84272883	35.726.28	01	9
84264055	35.740.02	01	16		35.726.28	02	1
84264059	35.740.02	02	8	84272884	35.726.27	01	9
84264323	25.310.01	01	16		35.726.27	02	1
	25.310.01	02	16	84272885	35.726.27	01	9
	44.101.04	02	11		35.726.27	02	1
84264324	25.108.01	01	10	84273236	35.726.16	01	1
84264405	41.216.06		1	84273237	35.726.16	01	1
84264406	41.216.05	02	1	84273238	35.726.17	02	1
84265115	39.121.06	01	14	84273243	35.726.17	02	1
84265310	25.100.08	01	9	84273245	35.726.17	01	1
	25.100.08	02	9		35.726.19	03	2
84265979	35.730.04	01	17	84273247	35.726.17	01	1
	35.730.04	02	19		35.726.19	04	1
	35.730.04	03	5	84273249	35.726.18	01	1
	39.105.08		29	84273250	35.726.19	02	1
	39.105.09		34	84273742	25.102.03		8

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
84273742	25.102.04	01	17	84279129	41.200.03		7
84273744	25.102.03		10	84280257	39.125.01		27
	25.102.04	01	22	84280275	39.125.01		36
84273745	25.310.01	01	3	84280508	35.726.10	02	3
	25.310.01	02	3	84280510	35.726.10	01	1
84273747	44.101.04	02	5	84280511	35.726.10	01	2
84273749	25.108.01	01	5	84280514	35.726.11	01	2
	25.108.01	02	5	84280515	35.726.11	01	3
	44.100.17	02	5	84280705	35.701.08		15
84274691	25.102.01	01	4	84280711	35.740.02	01	8
	25.102.01	02	4	84280749	35.737.01	01	4
	25.102.01	03	4		35.737.01	02	2
	25.102.04	01	18	84280780	35.739.04		6
84274694	35.750.03		3		35.739.05		6
84275042	35.726.21	01	23	84281124	35.701.09	01	19
	35.726.22	02	15		35.701.09	02	15
84275116	35.726.12	03	6	84281219	39.125.02		12
	35.726.12	06	6	84281616	35.738.02	01	6
84275476	25.102.04	01	5		35.738.02	02	6
84276092	90.120.01	02	1		35.738.03	02	12
84276094	90.120.01	01	1		35.740.01	01	6
84276105	90.120.01	01	2	84281665	35.750.01		7
84276124	90.120.01	02	9		55.301.07		23
84276125	05.500.01	03	25		55.301.08		17
	90.120.05		28	84281984	35.737.01	03	10
84276127	90.120.05		5	84281986	35.737.01	03	12
84276128	90.120.05		27	84282063	90.154.02		17
84276130	90.120.01	02	7	84282064	90.154.02		42
84276525	35.701.09	01	16	84282065	90.156.05		12
84276556	35.726.17	01	15	84282068	90.154.02		18
	35.726.18	01	15	84282069	90.154.02		40
84276564	41.216.06		6	84282071	90.156.05		13
84276920	35.737.01	03	8	84282074	90.154.02		17
84276922	35.737.01	03	7	84282075	90.154.02		42
84276924	35.737.01	03	9		90.156.04		2
84276950	41.216.06		5	84282077	90.156.05		33
84276953	41.216.05	02	2	84282079	90.154.02		18
84276991	41.216.06		2	84282080	90.156.04		4
84276992	41.216.06		4	84282081	90.156.05		34
84276993	41.216.06		3	84282083	90.154.02		19
84276994	41.216.05	02	3	84282086	90.156.04		10
84276995	41.216.05	02	5	84282567	35.701.01	01	2
84276996	41.216.05	02	4	84282570	35.701.01	01	1
84277908	35.701.09	01	17	84282578	35.106.01	02	14
84278155	35.701.08		16	84283077	35.106.01	02	16
84278183	10.414.01	01	1	84283270	35.726.20	02	17
84278184	05.500.00	01	1		35.726.38	01	1
	10.414.01	02	5	84283458	35.740.01	01	8
84278195	55.100.35		11	84283459	35.740.01	01	7
	55.100.40		11	84283495	35.726.10	01	12
	55.512.17	01	10		35.726.11	01	12
84278691	35.150.04		1		35.738.02	02	8
	35.726.17	03	3		35.738.03	02	6
	35.726.18	02	9		35.740.02	01	6
84278692	35.150.11		1	84283583	35.106.01	02	13
	35.726.17	04	8	84283817	35.740.02	01	10
	35.726.18	02	8	84283822	35.738.02	02	3
84278702	35.150.03		1		35.738.03	02	8
	35.726.16	02	7	84283823	35.738.02	02	5
	35.726.17	03	4		35.738.03	02	10
	35.726.17	04	7	84284084	35.740.02	01	31
	35.726.18	02	7	84284222	35.701.01	02	10
84278710	35.150.09		1	84284694	35.701.07		12
	35.726.16	02	6		35.701.09	01	14
	35.726.17	03	5		35.701.09	02	13
	35.726.17	04	6	84284727	41.200.02		10
	35.726.18	02	6		41.200.03		8
84278712	35.150.01	02	1	84285086	35.726.31	02	15
	35.726.17	03	9	84285335	35.726.12	02	6
	35.726.17	04	2	84286039	35.737.01	01	13
	35.726.18	02	2		35.737.01	02	17
84278714	35.150.02		1		35.737.01	03	18
	35.726.16	02	4	84286202	41.200.01	01	12
	35.726.17	03	7		41.200.01	02	12
	35.726.17	04	4	84286659	55.404.01	01	12
	35.726.18	02	4	84286660	55.404.01	01	11
84278738	25.102.04	01	6	84287552	10.214.01	01	16
84279129	41.200.02		9		10.214.01	02	20

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
84287836	35.737.01	01	23	84293020	35.701.06	01	14
	35.737.01	02	4		35.701.06	02	16
84288091	39.121.06	01	8	84293099	35.701.04	01	6
84288837	35.730.01	02	8		35.701.05	01	6
84288845	35.730.01	02	2	84293101	35.701.04	01	5
84288848	35.730.01	02	1		35.701.05	01	5
	35.737.01	02	9	84293149	35.701.08		20
84290399	35.730.01	01	2	84293154	35.701.08		19
84290402	35.730.01	01	1	84293158	35.701.08		17
	35.737.01	01	2	84293160	35.701.08		18
	39.105.07		2	84293447	05.500.01	02	2
84290480	35.350.02		14		10.214.01	01	15
84290490	35.350.02		15		10.214.01	02	19
84290785	55.512.17	03	14	84293551	10.214.01	01	1
84290786	55.100.02	02	14	84293553	10.214.01	02	3
84290787	55.100.02	02	15	84293556	10.214.01	02	5
	55.512.17	03	15	84293558	10.214.01	02	6
84290788	55.100.02	02	13	84293559	10.214.01	02	7
	55.512.17	03	13	84293561	10.214.01	02	8
84290789	55.512.15	02	13	84293648	35.701.09	01	18
84290956	35.732.01	05	11	84293669	35.701.07		14
84290974	35.732.01	05	10		35.701.09	01	22
84290975	35.732.01	05	10		35.701.09	02	17
84290980	35.732.01	05	16	84293671	35.701.07		15
84290984	35.732.01	05	16		35.701.09	01	23
84291453	35.726.13	01	2		35.701.09	02	18
	35.726.13	02	2	84294434	35.726.11	02	1
84291454	35.726.13	01	1	84294435	35.726.11	02	2
	35.726.13	02	1	84294590	35.701.11		7
84291884	35.350.02		16	84294676	35.701.06	01	5
84292024	35.726.08	03	1		35.701.06	02	5
84292027	35.726.08	04	1	84294679	35.701.06	01	6
84292041	35.701.04	01	8		35.701.06	02	6
84292224	35.106.01	01	4	84295045	35.150.02		5
	35.106.01	04	16	84295048	35.150.02		5
84292225	55.100.35		21	84295049	35.150.03		5
84292270	55.100.02	02	2		35.150.09		5
	55.512.17	03	2	84295050	35.150.03		5
84292391	55.512.18		1	84295052	35.724.17		7
84292392	55.512.19		1	84295087	35.701.11		6
84292393	55.512.20		1		35.701.12		5
84292396	55.408.01			84295095	35.150.01	02	4
84292398	55.408.01		17	84295097	35.724.11		4
84292399	55.100.02	02	12		35.724.15		1
	55.512.17	03	12	84295099	35.750.01		14
84292401	55.404.01	02	8	84295100	35.724.11		5
84292403	90.160.02		34		35.724.17		1
	90.160.03		34	84295102	35.724.11		7
84292404	35.106.01	03	6		35.724.16		1
	35.106.02	01	6	84295697	35.701.11		3
	35.106.02	02	6		35.701.12		6
84292405	55.404.01	02	9	84295701	35.738.03	02	19
	55.514.01		3		35.740.01	01	5
84292406	55.514.01		1	84295705	35.740.02	01	19
84292407	55.514.01		4	84296008	35.701.12		3
84292408	55.514.01		2	84296113	39.125.02		12
84292409	55.404.01	02	10	84296186	39.125.01		1
84292413	50.200.17	01	3	84296193	10.214.01	02	2
	50.200.17	02	3	84296626	35.701.11		4
84292414	55.404.01	02	11	84296627	35.701.12		7
84292416	55.100.02	01	1	84296786	35.726.26		1
	55.100.02	02	1	84296788	35.724.09	01	
84292421	55.512.16	02	1		35.724.09	03	
84292424	55.100.02	01	1	84296800	35.726.16	01	6
	55.512.17	02	1		35.726.17	01	4
	55.512.17	03	1		35.726.17	02	6
84292795	35.726.08	04	2		35.726.18	01	4
84292801	35.724.07	01	16	84296801	35.724.09	01	7
84293009	35.701.05	01	8	84296804	35.726.16	01	15
	35.701.06	02	8		35.726.17	01	5
84293011	35.701.05	01	7		35.726.17	02	7
	35.701.06	02	7		35.726.18	01	5
84293019	35.701.04	01	7	84296814	35.724.09		6
	35.701.05	01	9		35.724.09	01	2
	35.701.06	01	7	84296826	35.726.16	01	9
	35.701.06	02	9		35.726.17	01	8
84293020	35.701.04	01	14		35.726.17	02	9
	35.701.05	01	16		35.726.18	01	9

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
84296859	35.726.16	01	7	84303528	35.737.01	01	25
	35.726.17	01	7		35.737.01	02	8
	35.726.17	02	10	84304025	35.730.04	01	1
	35.726.18	01	8		35.730.04	02	1
84296861	35.726.16	01	8		39.105.06		1
	35.726.17	01	10		39.105.07		24
	35.726.17	02	15		39.105.08		1
	35.726.18	01	11	84304072	35.730.04	03	1
84296862	35.726.16	01	10		39.105.09		1
	35.726.17	01	9	84304990	05.001.01		1
	35.726.17	02	8		05.500.01	03	34
	35.726.18	01	10	84305006	35.726.10	01	15
84296899	35.106.01	02	17		35.726.10	02	5
84297407	35.701.14		2		35.726.11	01	6
84297562	25.310.01	01	19		35.726.11	02	7
84297567	25.310.01	02	19	84305054	35.726.10	01	14
	44.101.04	02	10		35.726.10	02	4
84297603	35.730.01	01	8		35.726.11	01	7
84298013	05.500.01	02	3		35.726.11	02	12
	35.750.01		11	84305540	35.738.02	01	3
84298475	10.214.01	01	5		35.738.02	02	1
	10.214.01	02	11		35.738.03	02	7
84298489	10.214.01	02	24	84305542	35.740.02	01	7
84298779	39.121.02	02	1		35.740.02	02	4
84299341	25.102.01	01	5	84305919	90.120.10		10
	25.102.01	02	5	84305923	05.500.01	03	33
	25.102.01	03	5	84305928	90.120.10		9
	25.102.04	01	14	84306037	90.120.10		2
84299343	25.102.01	01	7	84307492	35.701.13		7
	25.102.01	02	7	84307497	35.701.13		6
	25.102.01	03	7	84308123	35.732.01	05	20
	25.102.04	01	10	84310708	25.100.08	02	1
84299345	25.102.01	01	8		44.100.16	02	1
	25.102.01	02	8	84310720	25.100.08	01	1
	25.102.01	03	8	84311242	25.102.01	01	6
	25.102.04	01	11		25.102.01	02	6
84299349	25.100.08	01	5		25.102.01	03	6
	25.100.08	02	5		25.102.04	01	13
	25.102.04	01	3	84311873	35.701.16		5
84299353	25.102.01	01	1	84311934	35.106.01	03	14
84299355	25.102.01	02	1		35.106.02	01	14
	25.102.04	01	2	84311937	35.106.01	03	17
84299357	25.102.01	03	1		35.106.02	01	17
84299393	35.737.01	01	26		35.106.02	02	17
	35.737.01	02	19	84312179	35.106.01	03	13
	35.737.01	03	20		35.106.02	01	13
84299978	35.726.10	02	14		35.106.02	02	13
	35.726.11	02	11	84312204	35.106.01	03	18
843-1516	35.726.35		2		35.106.02	01	18
84300023	35.732.01	05	19		35.106.02	02	18
84300141	35.730.03	01	2	84312210	35.106.01	03	8
84300143	35.730.03	01	1		35.106.02	01	8
	35.737.01	01	1		35.106.02	02	8
	39.105.07		1	84312220	35.106.01	03	9
84300169	39.121.06	01	15		35.106.02	01	9
	39.121.06	02	1		35.106.02	02	9
84300173	39.121.06	01	15	84312221	35.106.01	03	7
	39.121.06	02	1		35.106.02	01	7
84300757	39.121.06	01	9		35.106.02	02	7
84300835	90.120.10		5	84312223	35.106.01	03	16
	90.120.11		5		35.106.02	01	16
84301332	21.104.02		5		35.106.02	02	16
84301381	39.125.02		24	84312294	35.106.02	02	14
84301383	39.125.02		13	84312299	35.106.01	03	15
84301385	39.125.02		14		35.106.02	01	15
84301388	39.125.02		24		35.106.02	02	15
84301390	39.125.02		13	84312301	35.106.01	03	10
84301392	39.125.02		14		35.106.02	01	10
84302986	35.730.01	03	8		35.106.02	02	10
84302991	35.730.01	03	2	84312502	35.726.10	02	9
84302994	35.730.01	03	1	84312504	35.726.10	02	10
	35.737.01	03	1	84315193	35.724.09	01	5
84303417	39.121.03		18		35.726.16	01	11
84303420	39.121.04		18		35.726.17	01	11
84303525	35.737.01	01	24		35.726.17	02	11
	35.737.01	02	12		35.726.18	01	12
	35.737.01	03	15	84316950	25.300.02		1
84303527	35.737.01	03	14	84316951	25.300.02		3

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
84316953	25.310.01	01	15	84332937	10.214.01	01	2
84316954	25.100.16	02	1	84332938	10.214.01	01	3
	25.300.02		6	84333098	39.121.05		15
84316955	25.300.02		5	84333112	35.726.27	01	12
84316956	25.310.01	02	15		35.726.28	01	12
84317837	39.121.06	01	10	84333574	35.739.04		8
84318337	35.739.04		11	84334022	82.100.01	01	5
	35.739.05		11	84336208	35.730.04	01	26
84318880	25.102.01	01	11		35.730.04	03	26
	25.102.01	02	11		35.739.04		12
	25.102.01	03	11		35.739.05		12
	25.102.04	01	21	84336838	55.100.30		1
84319552	35.738.03	01	7	84336851	21.104.02		1
84319555	35.738.03	01	8	84336853	21.113.01	04	4
84319950	35.738.03	01	4	84336854	21.113.01	04	5
84321180	35.726.13	02	10	84336855	21.113.01	04	11
84321181	35.726.13	02	9	84336857	21.113.01	04	13
84321337	35.738.02	01	15	84336858	21.113.01	04	27
	35.738.03	01	15	84336860	21.113.01	04	27
	35.740.02	02	15	84336876	21.154.09		7
84321344	35.732.01	04	13	84336878	21.113.01	04	19
84321895	35.730.03	02	3	84336879	21.113.01	04	8
84321897	35.730.03	01	3	84336881	21.113.01	04	26
84321969	35.726.11	01	1	84337930	35.701.16		6
84322596	35.726.10	01	3	84338027	35.726.14		4
84323183	35.738.04	01	3		35.936.01		4
84323190	35.738.04	02	3	84338030	35.726.14		3
84323406	35.737.01	03	11		35.936.01		3
84323511	35.750.01		1	84338932	35.726.27	02	2
84323529	35.726.10	02	2		35.726.28	02	2
84323544	35.106.01	02	15	84338933	35.726.27	02	3
84325520	35.732.01	02	20		35.726.28	02	3
84325529	35.732.01	02	21	84338934	35.726.28	02	4
84326090	35.106.01	01	14	84338935	35.726.27	02	6
	35.106.01	04	17		35.726.28	02	5
84326092	35.106.01	01	22	84338936	35.726.27	02	7
	35.106.01	04	18		35.726.28	02	6
84326219	39.125.03		27	84338937	35.726.27	02	4
84326305	39.100.01		8	84338938	35.726.27	02	5
	39.100.02		8	84342261	55.512.13		1
84326989	35.730.04	03	35	84342262	55.512.15	01	1
	39.105.06		3		55.512.15	02	11
84327511	21.100.01		3	84342267	55.512.13		1
84327511C	21.100.01		3	84342272	55.100.03		1
84327511R	21.100.01		3	84342273	55.100.03		1
84327512	21.100.01		4	84342274	55.100.03		1
84327512C	21.100.01		4	84342275	55.100.03		1
84327512R	21.100.01		4	84342276	55.100.01	01	1
84327668	35.724.09	01	8B		55.100.03		1
84327674	35.724.09		16	84342277	55.100.03		1
	35.724.09	01	4	84342280	39.100.03		12
84327782	90.150.03		2	84342281	55.100.03		2
84327783	90.150.03		1	84342282	55.100.03		2
84327784	90.150.03		3	84342284	55.512.21		4
84327785	90.150.03		4	84342285	55.512.17	01	11
84328358	55.100.40		6	84342644	35.726.10	01	8
	55.512.17	01	16		35.726.11	01	13
84328445	35.724.10	02	20		35.738.03	02	4
84328810	35.726.08	01	12		35.740.02	01	4
84328907	90.100.10		5	84343074	35.738.03	02	14
84328909	90.100.10		26		35.740.02	01	14
84329587	35.750.01		22	84343076	35.738.03	02	13
84329631	35.726.12	02	7		35.740.02	01	13
84329636	35.726.14		5	84346489	35.701.16		7
	35.936.01		5	84348221	35.739.04		24
84329637	35.726.14		6		35.739.05		24
	35.936.01		6	84348245	35.739.04		25
84330466	39.125.01		1		35.739.05		25
84330972	41.216.06		10	84348263	35.739.04		27
84331286	35.726.12	02	8		35.739.05		27
84331720	41.216.05	02	6	84348784	35.350.02		2
84332151	35.726.28	01	10	84350086	35.701.04	01	1
84332166	35.726.27	01	11		35.701.05	01	1
	35.726.28	01	11		35.701.06	01	1
84332638	10.214.01	02	4		35.701.06	02	1
84332787	35.726.08	02	9	84350091	35.701.04	01	2
84332788	35.726.08	02	10		35.701.05	01	2
84332789	35.726.12	02	9		35.701.06	01	2

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
84350091	35.701.06	02	2	84372873	10.214.01	01	14
84350093	35.701.04	01	3		10.214.01	02	18
	35.701.05	01	3	84372989	35.726.14		20
	35.701.06	01	3		35.936.01		20
	35.701.06	02	3	84373395	35.738.03	02	37
84350095	35.701.04	01	4	84376066	21.134.01		16
	35.701.05	01	4	84376464	88.084.01		1
	35.701.06	01	4	84377913	35.732.01	03	2
	35.701.06	02	4	84380206	25.310.01	02	2
84351615	35.701.11		5	84386030	41.200.02		12
	35.701.12		4		41.200.03		9
84351730	25.108.01	01	4	84386222	41.200.02		13
	25.108.01	02	4	84386573	55.100.03		4
	44.100.17	02	4		55.512.18		3
84354124	35.724.15		6		55.512.19		2
84354910	35.726.23		8		55.512.20		3
	35.726.24		9	84387063	25.100.02	01	15
84355708	35.150.01	01	1		25.100.02	02	15
	35.726.16	02	2		25.100.02	03	15
	35.726.17	03	9	84389775	35.726.20	01	25
	35.726.17	04	2		35.726.25		14
	35.726.18	02	2	84391231	35.701.01	02	14
84355976	35.726.13	02	24	84394685	35.726.23		10
	35.726.14		19		35.726.24		19
	35.936.01		19	84395081	35.726.23		11
84358584	35.701.07		13		35.726.24		20
	35.701.09	01	15	84395678	35.726.12	02	10
	35.701.09	02	14	84397644	90.160.04		8
84358585	35.701.08		14	84398267	35.726.19	03	4
84358586	41.200.02		11		35.726.19	04	2
84359766	35.726.10	02	16	84398269	35.726.19	02	2
	35.726.11	02	14	84399174	35.726.08	01	13
84359870	35.738.03	02	9	84399303	90.150.11		1
84367031	21.133.01		2	84399341	35.740.02	02	5
84367032	21.133.01		3	84399343	35.740.02	02	6
84367033	21.133.01		5	84399671	35.701.13		5
84367034	21.133.01		6	84399689	35.701.13		4
84367035	21.133.01		7	844-10020	10.214.01	01	7
84367036	21.133.01		7		55.100.02	01	9
84367037	21.133.01		7		55.512.14	01	8
84367038	21.133.01		7		55.512.16	02	9
84367039	21.133.01		8		55.512.17	02	9
84367040	21.133.01		9	844-10025	55.301.07		15
84367041	21.133.01		10		55.301.08		14
84367042	21.133.01		12	844-10035	55.201.09		2
84367043	21.133.01		13	844-10110	82.100.02	01	6
84367044	21.133.01		14	844-6025	55.100.02	01	6
84367045	21.133.01		15		55.512.14	01	9
84367046	21.133.01		16		55.512.16	02	6
84367047	21.133.01		17		55.512.17	02	6
84367048	21.133.01		18	844-8025	10.220.03		5
84367049	21.133.01		11	84401877	35.701.16		8
84367050	21.133.01		20	84401879	35.701.16		9
84367051	21.133.01		21	84404452	25.310.01	01	10
84367052	21.133.01		22	84405440	35.726.08	01	2
84367053	21.133.01		23	84405934	90.154.07		8
84367054	21.133.01		24	84405935	90.154.07		7
84367055	21.133.01		25	84407245	35.726.20	01	3
84367056	21.133.01		26		35.726.20	02	20
84367057	21.133.01		27		35.726.21	01	3
84367058	21.133.01		28	84407246	35.726.20	02	19
84367060	21.134.01		1	84407248	35.726.20	01	2
84367061	21.134.01		4		35.726.21	01	2
84367062	21.134.01		5	84407250	35.726.20	01	1
84367063	21.134.01		8		35.726.20	02	10
84367064	21.134.01		12		35.726.21	01	1
84367065	21.134.01		14	84408244	35.740.02	02	18
84367067	21.134.01		17	84408246	35.738.03	01	18
84367726	35.737.01	01	9	84409739	39.121.03		3
	35.737.01	02	13		39.121.04		3
	35.737.01	03	21	84412151	35.150.15	01	
	35.738.03	02	31	84412541	39.105.08		31
84367828	39.125.01		30	84419227	35.106.01	03	
	39.125.02		3		35.106.02	01	
84368922	39.125.03		12		35.106.02	02	
84371413	35.740.02	01	9	84419702	35.726.20	01	28
84371937	10.214.01	01	8		35.726.25		15
	10.214.01	02	12	84421594	35.738.03	02	2

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
84421678	35.738.03	02	1	85802820	35.732.01	03	14
84425437	39.121.05		20		35.732.01	04	1
84425442	39.121.05		15	85802961	35.106.01	01	29
84468418	21.140.01	01			35.106.01	02	2
	21.140.01	02			35.726.31	02	18
84478803	35.726.09	05	4	85803019	05.500.01	01	2
	35.726.37	01	4		10.406.01	01	
84484676	35.724.11			85811915	35.150.05		1
84490914	35.726.30	01			35.726.16	02	8
84492790	35.150.15	02			35.726.17	03	2
	35.726.17	03			35.726.17	04	9
84497747	90.154.07		9		35.726.18	02	10
84499076	90.160.05		13	85811921	35.150.05		2
84499590	35.106.01	03	11	85811933	35.150.04		8
	35.106.02	01	11		35.150.06	02	8
	35.106.02	02	11	85811934	35.150.04		9
84499592	35.106.01	03	12	85811935	35.150.04		10
	35.106.02	01	12	85811938	35.150.04		4
	35.106.02	02	12		35.150.06	02	4
845-6020	50.206.03		25	85811958	35.726.16	02	9
	55.100.02	02	3	85812114	35.150.06	02	6
	55.512.15	02	1	85812115	35.150.04		7
	55.512.17	03	3	85819148	35.150.04		6
84514721	35.726.12	03	7		35.150.06	02	9
	35.726.12	06	7	85819378	35.150.04		3
84514723	35.726.20	02	18	85820128	35.150.01	01	6
	35.726.38	01	5	85820129	35.150.01	01	2
84518946	39.125.03		15	85820130	35.724.15		4
84518948	39.125.03		16		35.724.17		4
84518949	39.125.03		17	85821235	35.150.01	01	7
84519649	39.125.03		29		35.150.01	02	8
84523391	39.125.03		14		35.724.12		9
84523969	35.701.07		19	85821236	35.150.01	01	9
	35.701.09	02	22		35.150.01	02	9
84523970	35.701.07		20		35.724.12		10
	35.701.09	02	23	85821520	35.726.09	03	14
84523971	35.701.07		21	85824067	35.726.09	03	9
	35.701.09	02	24	85824080	35.726.09	03	13
84523981	35.726.21	01	24	85824081	35.726.09	03	11
	35.726.22	02	12	85824278	35.724.15		3
84523983	35.701.07		18		35.724.17		3
	35.701.09	02	21	85824281	35.150.04		5
84523985	35.726.21	02	2		35.150.06	02	10
84523986	35.726.21	03	1	85825473	35.150.02		4
84524281	35.726.23		8		35.150.03		4
84536770	10.216.01		6		35.150.05		3
84548562	10.216.01		1		35.150.08	01	5
84548563	10.216.01		2		35.150.09		4
84557472	90.120.01	01	2		35.150.11		5
84557475	90.120.01	01	1		35.724.12		8
84989383	41.200.02		14		35.724.15		7
	41.200.03		10		35.724.16		5
84989392	35.726.20	01	24		35.724.17		8
	35.726.20	02	29	85825474	35.114.02		6
	35.726.25		16		35.724.11		6
	35.726.27	01	13	85825477	35.150.01	01	3
	35.726.38	01	16		35.150.01	02	7
84989413	35.701.07		23		35.724.12		7
	35.701.09	01	24	85826260	10.304.01		
	35.701.09	02	26	85826344	35.150.02		3
	35.726.20	01	22		35.150.03		3
	35.726.20	02	14		35.150.04		2
	35.726.21	01	22		35.150.06	02	5
84989848	35.726.08	01	21		35.150.08	01	4
	35.726.20	01	13		35.150.09		3
	35.726.21	01	13		35.150.11		2
	35.726.22	02	7	85826345	35.150.06	02	3
	35.726.25		12	85827471	35.150.14	02	1
85801585	10.012.03		6		35.726.04	01	3
	10.012.03		6		35.726.04	02	3
	21.112.04	01	32		35.726.04	03	3
	21.112.04	02	32		35.726.04	04	3
	21.113.01	03	12		35.726.05		3
85802618	10.012.03		8		35.726.06		3
	21.112.04	01	32A	85827472	35.150.14	01	1
	21.112.04	02	32A		35.726.02		3
	21.113.01	03	12A		35.726.03	02	3
85802820	35.732.01	02	2	85827991	35.150.14	01	2

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
85827992	35.150.14	01	4	86508571	55.100.40		14
	35.150.14	02	4		55.512.17	01	18
	35.150.14	03	5	86508618	35.726.20	01	19
85827993	35.150.14	01	6		35.726.20	02	22
	35.150.14	02	6		35.726.21	01	19
	35.150.14	03	7	86508619	35.738.02	02	20
85827994	35.150.14	01	7	86537745	39.125.03		22
	35.150.14	02	7	86537746	39.125.03		23
	35.150.14	03	8	86547710	90.108.17		4
85827995	35.150.14	01	8	86556264	90.120.05		18
	35.150.14	02	8	86566268	35.730.04	02	18
	35.150.14	03	9		35.730.04	03	3
85827996	35.150.14	01	9		39.105.08		30
	35.150.14	02	9		39.105.09		35
	35.150.14	03	10	86566989	35.701.16		10
85827997	35.150.14	01	10	86590562	35.724.09	01	11
	35.150.14	02	10	86591334	35.726.12	03	8
	35.150.14	03	11		35.726.12	06	8
85827998	35.150.14	01	12	86596853	35.726.08	01	34
	35.150.14	02	12		35.726.27	01	14
	35.150.14	03	13		35.726.28	01	13
85827999	35.150.14	01	13	86616248	55.408.01		10
	35.150.14	02	13	86619908	05.500.01	03	27
	35.150.14	03	14		10.254.12		2
85828000	35.150.14	01	14	86624132	41.200.01	01	11
	35.150.14	02	14		41.200.01	02	11
	35.150.14	03	15		41.200.02		15
85828001	35.150.14	01	15	86625003	35.726.14		18
	35.150.14	02	15		35.936.01		18
	35.150.14	03	16	86625112	33.202.03		13
85828002	35.150.14	01	16	86625128	35.150.15	01	13
	35.150.14	02	16		35.150.15	03	13
	35.150.14	03	17		35.150.16	01	12
85828003	35.150.14	01	17		35.150.16	02	10
	35.150.14	02	17		55.404.01	01	21
	35.150.14	03	18	86625149	39.125.01		26
85828004	35.150.14	02	2		39.125.02		22
85828005	35.150.14	01	11	86625260	82.100.01	01	2
	35.150.14	02	11	86629543	35.701.07		4
	35.150.14	03	12	86637996	35.726.20	01	29
85828013	35.150.14	01	3		35.726.20	02	24
85828015	35.150.14	02	3		35.726.21	01	30
	35.150.14	03	3	86639060	35.726.20	01	4
85828048	35.150.14	03	2		35.726.20	02	15
85828054	35.150.14	03	4		35.726.21	01	4
85828061	35.150.14	03	19	86639063	35.726.12	02	11
8602005	10.254.03		1	86639084	35.726.20	01	5
	10.254.03		1		35.726.20	02	16
8603092	90.108.09	01	3		35.726.21	01	5
86050277	39.125.03		5	86639294	35.724.04		22
8605073	35.726.32		12		35.724.04		7
863-16070	44.100.17	01	8		35.724.05		24
864-10014	55.514.01		9		35.724.05		8
864-10025	21.133.02	01	17	86641295	35.701.07		24
	21.133.02	02	17		35.701.09	02	27
864-12030	35.106.01	04	8		35.726.21	01	26
864-12035	35.106.01	01	27		35.726.22	02	14
	35.106.01	02	8	86642312	35.701.03		12
864-5040	55.100.35		5		35.739.02		11
	55.100.40		5		35.739.03		11
	55.512.17	01	5	86976679	10.202.03		4
864-6025	27.100.09		8	86980404	35.726.31	02	10
	27.100.10		8	86982377	05.500.01	02	22
864-8025	21.133.02	01	6		35.740.01	01	18
	21.133.02	02	6	86982435	35.738.01	01	15
864-8055	35.726.09	02	13		35.738.01	02	15
86500689	35.701.01	01	5		35.740.01	02	4
	35.701.04	01	21	86982437	35.701.03		23
	35.701.05	01	23	86982438	35.736.02		4
	35.701.06	01	21		35.736.03		4
	35.701.06	02	23		35.736.04		4
	35.701.14		7		35.738.01	03	15
	35.726.20	01	18	86982439	35.739.02		25
	35.726.20	02	21		35.739.03		25
	35.726.21	01	18	86982442	35.732.01	01	3
	35.738.02	02	24		35.732.01	06	3
	35.740.01	01	15		35.738.04	01	4
86507198	55.518.07		11		35.738.04	02	4

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
86982443	35.730.01	01	4	87037462	90.120.05		14
	35.730.01	02	4	87037944	35.150.15	01	4
	35.730.03	01	4		35.150.15	02	4
	35.730.03	02	4		35.150.15	03	4
	35.732.01	07	3		35.150.16	01	4
86982444	35.730.01	03	4		35.150.16	02	4
	35.730.03	03	4		35.150.16	03	4
86983325	90.150.01	01	2	87039401	90.154.07		5
	90.150.10		18		90.156.04		13
86984155	50.200.17	01	5	87041331	35.726.09	01	2
	50.200.17	02	5		35.726.31	01	26
86984544	35.726.09	03	2	87301325	10.406.01	01	4
86984545	35.726.09	03	6	87301351	35.724.03	01	
86984547	35.726.09	03	5	87301355	10.406.04	01	5
	35.726.31	01	22		10.406.04	02	21
	84.120.01		7	87301356	10.406.04	02	23
86984549	35.726.09	03	17	87301687	55.512.14	03	11
86989616	35.726.09	03	27		55.512.15	02	7
86990837	41.216.05	01		87301972	05.500.01	01	5
	44.100.15	01	1		55.514.01		13
	44.100.16	01		87301973	05.500.01	01	6
	44.100.17	01			55.514.01		12
	44.101.04	01		87302608	35.724.09	03	2
86990837C	44.100.15	01	1	87302733	35.726.23		7
86990837R	44.100.15	01	1		35.726.24		7
86992245	90.160.02		9	87303182	35.726.09	01	10
86992247	90.150.02	02	10	87303844	35.726.20	02	8
	90.160.01		10		35.726.38	01	3
86992248	90.160.03		9	87304652	10.101.04		2
86992395	55.201.03			87304653	10.101.04		4
	55.201.09		1	87304654	10.101.04		5
86992975	90.108.09	01	12	87304655	10.101.04		6
86992976	90.108.09	01	4	87304656	10.101.04		8
86992977	90.150.09		3	87304660	10.101.04		7
86993546	21.112.04	01	23	87304661	10.101.04		3
	21.112.04	02	23	87305413	35.726.09	01	34
	21.113.01	03	22	87305436	35.726.27	01	15
86993773	90.150.01	02	2	87307656	35.726.09	01	9
	90.150.10		19	87307807	10.101.04		9
86994165	90.120.05		10	87308118	90.120.05		1
86994498	10.408.07		3	87308119	90.120.05		3
87000146	35.726.10	01	9	87308127	90.120.05		2
	35.726.11	01	11	87308130	90.120.05		13
	35.738.02	02	9	87308131	90.120.05		4
	35.738.03	02	5	87308132	90.120.01	02	12
87000152	35.740.02	01	5		90.120.05		15
87000228	05.500.01	03	9	87308152	90.120.05		9
	50.206.03		28	87308153	90.120.05		8
87000312	35.150.15	02	19	87308154	90.120.05		12
	35.150.15	03	17	87308157	90.120.05		1
	35.150.16	01	16	87308158	90.120.05		3
	35.150.16	03	15	87308159	90.120.05		2
87010704	35.726.12	02	12	87308838	35.150.15	01	8
87015539	25.310.01	02	10		35.150.15	02	8
87015541	25.102.04	01	4		35.150.15	03	8
87016468	33.202.03		22		35.150.16	01	8
87016914	35.701.07		22		35.150.16	02	5
	35.701.09	02	25		35.150.16	03	8
87016943	39.121.03		21	87308839	35.150.15	01	10
	39.121.03		7		35.150.15	02	10
	39.121.04		7		35.150.15	03	10
	39.121.05		10		35.150.16	01	10
	39.121.06	02	3		35.150.16	02	6
87017578	41.200.02		16		35.150.16	03	10
	41.200.03		11	87309482	35.726.31	01	1
87019103	35.724.04		24	87309656	10.254.11		1
	35.724.04		9	87309923	35.726.09	01	13
	35.724.05		10	87309924	35.726.09	01	12
	35.724.05		26	87310	39.125.03		33
87019767	21.112.04	01	23A	87310085	35.726.09	01	7
	21.112.04	02	23A	87310086	90.100.09		5
	21.113.01	03	23	87310096	21.112.04	01	8
87020181	21.112.04	01	4		21.112.04	02	8
	21.112.04	02	4		90.150.11		2
87022323	35.726.21	02	3	87310098	35.726.09	03	29
	35.726.21	03	3		55.404.01	01	14
	35.738.02	02	25		90.100.10		3
87034524	39.125.03		6		90.150.02	02	12

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
87310098	90.160.01		12	87344860	90.156.05		18
	90.160.02		13	87345006	10.220.01		33
	90.160.03		13	87346606	90.120.01	02	3
87310109	39.100.03		13	87346607	90.120.01	02	4
87310124	90.100.09		12	87346611	90.120.01	02	5
	90.100.09		13	87346612	90.120.01	02	6
87310126	35.726.31	01	3	87346615	90.120.01	02	11
	90.100.10		16	87346633	90.120.01	02	13
	90.150.02	02	22	87346634	90.120.01	02	14
	90.160.01		22	87346914	35.724.16		3
	90.160.02		24	87349641	25.310.01	01	18
	90.160.03		24		25.310.01	02	18
87310127	90.100.10		17		44.101.04	02	9
	90.150.02	02	26	87353191	10.414.01	02	1
	90.160.01		26	87358697	90.108.09	01	11
	90.160.02		11	87360280	10.214.01	01	12
	90.160.03		11		10.214.01	02	16
87310128	90.100.10		18		35.750.01		2
87310139	35.726.31	01	7	87363628	35.150.01	01	4
87310146	90.100.10		24		35.150.01	02	6
	90.150.02	02	24	87367622	10.406.01	01	7A
	90.160.01		24	87367626	10.408.07		1
	90.160.02		10	87370966	55.404.01	02	14
	90.160.03		10	87375241	82.100.01	02	6
87310147	90.150.02	02	39	87378776	10.220.01		9
	90.160.01		39	87379158	90.108.01	01	1
	90.160.02		29	87382811	41.200.01	01	2
	90.160.03		29		41.200.01	02	2
	90.160.04		10	87382812	35.724.03	01	17
87310149	90.120.01	01	5		35.724.07	01	17
87310152	90.100.09		2	87389813	35.732.01	05	4
	90.100.10		4	87393292	05.500.00	01	3
87310154	90.150.09		7		50.200.08	01	9
87310156	35.726.31	01	8	87393627	35.738.02	01	14
87310177	90.150.09		10		35.738.02	02	30
87310184	90.100.10		20		35.738.03	01	14
87310185	90.150.09		24		35.738.03	02	32
87310186	35.726.09	01	30		35.740.01	01	17
	90.150.02	02	11		35.740.02	01	32
	90.160.01		11		35.740.02	02	9
	90.160.02		17	87395300	21.100.01		1
	90.160.03		17		21.104.03	01	
87310275	35.724.09	01	13		21.112.01	02	
87310276	35.724.09	01	12		21.112.04	01	14
87311219	21.109.02		8		21.112.04	02	14
87311572	90.120.01	01	3		21.133.02	01	
87312712	21.112.04	01	42		21.134.01	01	
	21.112.04	02	42		21.140.01	01	
	55.512.14	02	1		21.154.01	01	
87313544	44.520.03		4		21.154.02		
87317252	10.105.01				21.155.07		
87317256	10.105.01			87395300C	21.100.01		1
87317257	10.105.01				21.104.03	01	
87324160	39.100.03		14		21.112.01	02	
87327076	35.724.09	03	6		21.112.04	01	14
87330847	35.114.02		5		21.112.04	02	14
	35.724.11		3		21.133.02	01	
87331950	35.106.01	01	7		21.134.01	01	
	35.106.01	04	20		21.140.01	01	
	35.726.08	01	5		21.154.01	01	
	35.726.31	01	12		21.154.02		
	41.200.02		17		21.155.07		
	41.200.03		12	87395300R	21.100.01		1
	90.150.11		4		21.104.03	01	
87338053	35.701.05	01	24		21.112.01	02	
	35.701.06	01	22		21.112.04	01	14
	35.701.06	02	24		21.112.04	02	14
87338681	90.120.01	02	2		21.133.02	01	
87339800	90.120.05		11		21.134.01	01	
87340008	10.414.01	01	4		21.140.01	01	
87340753	10.220.02		11		21.154.01	01	
87340754	10.220.01		21		21.154.02		
87343247	55.404.01	01	1		21.155.07		
87344859	90.154.02		4	87395301	21.100.01		2
	90.156.04		19		21.104.03	02	
	90.156.05		27		21.112.01	01	
87344860	90.154.02		3		21.112.04	01	15
	90.156.04		15		21.112.04	02	15

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
87395301	21.133.02	02		87410105	55.512.21		1
	21.134.01	02		87410265	10.254.12		20
	21.134.05			87410602	10.254.12		13
	21.140.01	02		87411083	35.726.19	01	3
	21.154.01	02			35.726.19	03	1
	21.154.03			87411084	35.726.19	02	3
	21.154.03				35.726.19	04	3
	21.154.08			87411108	90.154.07		8
	21.154.09			87412060	90.100.02		20
	33.110.05			87413722	35.739.02		12
87395301C	21.100.01		2		35.739.03		12
	21.104.03	02		87414237	10.254.12		3
	21.112.01	01		87416967	21.112.04	01	33
	21.112.04	01	15		21.113.01	03	13
	21.112.04	02	15	87417383	10.254.12		11
	21.133.02	02			39.100.03		15
	21.134.01	02		87417599	35.701.08		2
	21.134.05				35.724.03	01	37
	21.140.01	02		87417601	35.724.07	01	18
	21.154.01	02		87417721	35.106.01	01	12
	21.154.03				35.106.01	04	21
	21.154.03				35.350.02		9
	21.154.08				35.701.07		1
	21.154.09				35.701.08		3
	33.110.05				35.701.09	01	3
87395301R	21.100.01		2		35.701.09	02	3
	21.104.03	02			35.724.03	01	38
	21.112.01	01			35.726.12	02	13
	21.112.04	01	15		90.100.04		23
	21.112.04	02	15	87418360	10.406.01	01	22
	21.133.02	02		87418368	35.726.09	03	23
	21.134.01	02		87418369	35.726.09	03	24
	21.134.05			87418516	35.726.30	01	1
	21.140.01	02			35.726.36	01	1
	21.154.01	02		87418551	35.726.13	01	17
	21.154.03				35.726.13	02	16
	21.154.03				35.726.14		9
	21.154.08				35.936.01		9
	21.154.09			87419444	90.108.01	02	12
	33.110.05			87419615	10.254.12		19
87395372	27.100.08	01	1	87419636	41.200.04		14
	27.100.09			87420672	35.739.04		22
	27.100.11				35.739.05		22
	27.106.01	01		87420673	35.739.04		20
	27.106.02	01			35.739.05		20
	27.110.02	02		87421213	35.350.02		1
	27.120.02	01		87421471	10.220.01		29
87395386	27.100.08	02	1	87421807	10.220.01		28
	27.100.10			87422239	35.726.30	01	13
	27.100.11				35.726.36	01	11
	27.106.01	02		87422241	35.726.30	01	14
	27.106.02	02			35.726.36	01	12
	27.110.02	03		87422243	35.726.30	01	15
	27.120.02	02			35.726.36	01	13
87397601	10.254.12		1	87422245	35.726.30	01	17
87399709	90.100.10		29		35.726.36	01	15
87400286	44.100.16	01	7	87422247	35.726.30	01	18
87401203	35.726.30	01	2		35.726.36	01	16
	35.726.36	01	2	87422249	35.726.30	01	19
87402621	35.730.01	02	10		35.726.36	01	18
87402623	35.730.01	03	10	87422597	21.109.02		12
87403835	55.301.07		1	87422598	21.109.02		13
	55.301.08		1	87423067	35.350.02		7
87404197	25.100.02	01	3	87423502	90.156.03		11
	25.100.02	02	3	87423503	90.156.03		9
	25.100.02	03	3	87423802	05.500.01	03	8
	44.100.15	01	4		55.512.20		4
	44.100.15	02	2		55.512.21		2
87406924	90.100.10		9	87423812	90.108.01	02	16
87406934	21.112.04	01	22	87423813	90.108.09	02	14
	21.112.04	02	22	87424267	35.150.15	01	15
	21.113.01	03	24		35.150.15	02	16
87408888	90.120.01	01	7		35.150.15	03	14
87408889	90.120.01	01	8		35.150.16	01	13
87409201	21.112.04	01	24		35.150.16	03	13
	21.112.04	02	24	87425117	35.726.22	01	1
	21.113.01	03	25	87425122	35.726.22	01	4
87410105	05.500.01	03	7	87425225	35.701.01	02	2

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
87425225	35.726.08	01	35	87431300	35.726.09	01	19
87425696	35.726.09	01	27	87431301	35.726.09	01	18
87426227	35.724.09		9	87431701	27.110.02	01	1
	35.724.09	01	3	87431799	10.012.03		11
	35.724.10	01	10		10.012.03		8
	35.724.10	02	10	87432547	10.220.01		25
87426233	35.724.09		5	87432811	84.120.01		6
	35.724.10	01	6	87433005	35.726.09	01	25
	35.724.10	02	6	87433006	35.726.09	01	24
87426235	35.724.09		11A	87433007	35.726.09	01	23
	35.724.10	01	12A	87433008	35.726.09	01	22
	35.724.10	02	12A	87433030	35.726.16	01	4
87426238	35.724.09		15		35.726.17	01	2
	35.724.09	01	9		35.726.17	02	4
	35.724.10	01	16		35.726.18	01	2
	35.724.10	02	16	87433209	90.108.09	02	12A
	35.726.16	01	12	87433401	55.201.09		6
	35.726.17	01	12	87434070	35.106.01	05	
	35.726.17	02	12	87434075	35.106.01	05	2
	35.726.18	01	13	87434076	35.106.01	05	3
87426716	35.724.09		12	87434077	35.106.01	05	4
	35.724.10	01	13	87434621	35.150.14	03	1
	35.724.10	02	13		35.726.07		3
87426717	35.724.09		11	87434672	35.106.01	04	22
	35.724.10	01	12		35.106.01	05	
	35.724.10	02	12	87434978	10.406.04	01	12
87426969	90.156.03		26		10.406.04	02	9
87427775	35.726.09	01	3	87435076	21.109.02		9
87428023	35.150.15	01	3	87435078	21.109.02		6
	35.150.15	02	3	87435080	21.109.02		10
	35.150.15	03	3	87435082	21.109.02		11
	35.150.16	01	3	87435242	35.150.16	02	9
	35.150.16	02	3		35.150.16	03	11
	35.150.16	03	16	87435243	35.150.15	01	11
87428486	35.726.16	01	13		35.150.15	02	11
	35.726.17	01	13		35.150.15	03	11
	35.726.17	02	13	87435372	35.726.09	01	14
	35.726.18	01	7	87435453	90.156.03		17
87428491	35.726.16	01	2		90.156.03		25
	35.726.17	02	2	87435506	35.150.15	01	16
87428492	35.726.16	01	3		35.150.15	02	17
	35.726.17	02	3		35.150.15	03	15
87428495	35.726.16	01	5		35.150.16	01	14
	35.726.17	01	3		35.150.16	02	12
	35.726.17	02	5		35.150.16	03	14
	35.726.18	01	3	87435569	41.204.08		1
87428645	35.724.07	01	19	87435909	35.726.12	01	
87429382	41.200.04		10		35.726.12	03	9
87429948	50.200.08	01	6	87435910	35.726.12	04	
87429949	50.200.08	01	13		35.726.12	06	9
87429950	50.200.08	01	1	87435929	90.156.03		1
87429951	50.200.08	01	4	87435938	90.108.09	02	12
87429952	50.200.08	01	7		90.150.11		3
	50.200.08	02	2	87436225	35.150.15	01	19
87429970	21.154.01	01	1		35.150.15	02	20
	21.154.01	02	1		35.150.15	03	2
87429971	21.154.01	01	15		35.150.16	01	2
	21.154.01	02	15		35.150.16	02	13
	21.155.01		15		35.150.16	03	3
87429974	21.154.09			87436782	35.732.01	05	11
	21.155.07			87436836	55.512.14	03	8
87429978	21.134.05			87437366	35.726.09	01	28
87429982	21.112.01	01	28	87437369	35.726.09	01	29
	21.112.01	02	28	87437372	35.150.15	01	12
	21.113.01	02	14		35.150.15	02	12
87429983	21.140.01	01	30		35.150.15	03	12
	21.140.01	02	30	87437373	35.150.15	01	14
	21.155.14		26	87437621	35.726.08	02	8
87429984	21.140.01	01	27	87437623	35.726.08	02	7
	21.140.01	02	27	87437625	35.726.08	02	4
	21.155.14		24	87437627	35.726.08	02	3
87429985	21.112.01	01	25	87437629	35.726.08	02	6
	21.112.01	02	19	87437633	35.726.04	01	7
	21.133.02	01	23		35.726.04	02	7
	21.133.02	02	23		35.726.04	03	7
87429994	21.133.02	01	3		35.726.04	04	7
	21.133.02	02	3		35.726.07		10
87430677	35.726.22	01	16	87437635	35.726.04	01	8

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
87437635	35.726.04	02	8	87438992	55.201.03		1
	35.726.04	03	8	87438993	55.201.03		2
	35.726.04	04	8	87438994	55.201.03		
	35.726.07		9	87438995	55.201.03		21
87437688	35.726.09	01	21	87438996	55.201.03		23
87437689	35.726.09	01	31	87438997	55.201.03		24
87437804	10.254.11		2	87438999	55.201.03		25
87437806	35.726.09	03	20	87439000	55.201.03		26
87437840	35.732.01	02	3	87439001	55.201.03		27
	35.732.01	03	18	87439002	55.201.03		28
	35.732.01	04	2	87439003	55.201.03		29
87437899	35.106.01	05	10	87439004	55.201.03		30
87437905	35.106.01	05	12	87439005	55.201.03		31
87437906	35.106.01	05	13	87439006	55.201.03		33
87437914	35.106.01	05	14	87439007	55.201.03		34
87437917	35.106.01	05	15	87439008	55.201.03		35
87437923	35.726.09	04	6	87439009	55.201.03		37
87437924	35.726.09	04	5	87439010	55.201.03		41
87437925	35.726.09	04	7	87439011	55.201.03		43
87437926	35.726.09	04	9	87439032	35.726.09	04	14
87437927	35.726.09	04	4	87439033	35.726.09	04	15
87437928	35.726.09	04	8	87439061	55.201.03		42
87437929	35.726.09	04	10	87439136	41.200.04		13
87437930	35.726.09	04	11	87439137	41.200.04		1
87437933	35.726.09	04	12	87439138	41.200.04		5
87437935	35.726.09	04	13	87439213	35.726.08	02	2
87438012	35.726.05		7	87439215	35.726.08	02	1
	35.726.06		7	87439665	35.739.04		21
87438015	35.726.05		8		35.739.05		21
	35.726.06		8	87440058	35.726.19	02	15
87438021	35.726.12	01	2	87440381	35.726.09	01	33
	35.726.12	04	1	87440711	35.726.09	03	1
87438022	35.726.12	01		87440712	35.726.09	02	2
	35.726.12	04		87440814	35.724.09		14
87438023	35.726.12	01			35.724.10	01	15
	35.726.12	04			35.724.10	02	15
87438024	35.726.12	01		87440815	35.724.09		13
	35.726.12	04			35.724.10	01	14
87438025	35.726.12	01	3		35.724.10	02	14
	35.726.12	04	2	87440835	35.726.07		8
87438026	35.726.12	01		87440837	35.726.07		7
	35.726.12	04		87441758	55.518.07		20
87438027	35.726.12	01			90.150.10		15
	35.726.12	04		87441850	84.120.01		5
87438028	35.726.12	01		87441876	21.109.02		1
	35.726.12	01		87442409	35.726.09	03	25
	35.726.12	01		87443081	55.404.01	01	6
	35.726.12	04		87443692	35.726.09	03	19
	35.726.12	04		87443721	35.150.15	01	5
	35.726.12	04			35.150.15	02	5
87438029	35.726.12	01	4		35.150.15	03	5
	35.726.12	04	3		35.150.16	01	5
87438045	35.106.01	05			35.150.16	03	5
87438046	35.150.15	02	18	87443722	35.150.16	02	8
	35.150.15	03	16	87444147	90.100.02		2
	35.150.16	01	15	87444148	90.100.02		1
	35.150.16	03	15	87444149	35.726.31	01	25
87438925	55.201.03		3	87444776	35.726.30	01	37
87438926	55.201.03		4		35.726.36	01	34
87438927	55.201.03		5	87445051	90.156.03		10
87438928	55.201.03		6	87445245	84.120.01		17
87438929	55.201.03		8	87445557	35.726.08	02	5
87438930	55.201.03		9	87446081	10.406.04	01	7
87438931	55.201.03		10		10.406.04	02	11
87438932	55.201.03		11	87446082	10.406.04	01	6
87438933	55.201.03		12		10.406.04	02	10
87438935	55.201.03		13	87446095	10.220.01		25
87438937	55.201.03		14	87446113	35.726.30	01	24
87438940	55.201.03		15	87447135	10.254.03		
87438941	55.201.03		16		10.254.03		
87438942	55.201.03		17	87447450	41.204.08		12
87438944	55.201.03		18	87447477	35.726.18	02	11
87438946	55.201.03		19	87449373	35.726.32		
87438948	55.201.03		20	87449374	35.726.32		2
87438950	55.201.03		22	87449579	33.202.14		4
87438951	55.201.03		32	87449995	35.726.31	01	17
87438954	55.201.03		36	87449996	35.726.31	01	21
87438956	55.201.03		38	87450318	35.732.01	02	1

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
87450318	35.732.01	03	19	87491620	33.202.12		14
87450914	35.726.09	01	17	87493307	35.701.09	01	7
	35.726.09	02	1		35.726.23		20
87450978	35.724.09		7		35.726.24		18
	35.724.10	01	8	87493782	39.125.03		9
	35.724.10	02	8	87497572	10.220.03		4A
87451167	10.254.11		10	87497900	10.304.01		12
87451448	35.150.16	02	11	87521766	55.512.16	03	25
87452021	35.726.12	02	14	87522766	55.301.07		4
87452405	35.726.09	04	16		55.301.08		4
87452511	35.726.09	01	8	87523063	25.100.08	01	12
87452823	10.220.01		29A		25.100.08	02	12
87454016	35.701.02	01	6	87524409	21.134.01	01	
	35.701.03		1		21.134.01	02	
87454017	35.701.02	01	7	87524432	21.134.01	01	14
	35.701.03		1		21.134.01	02	14
87454376	10.406.01	01	7	87524433	21.134.01	01	13
87454377	05.500.01	01	33		21.134.01	02	13
	10.406.04	01	16	87524435	21.134.01	01	16
87454378	05.500.01	01	35		21.134.01	02	16
	10.406.04	01	15	87524436	21.134.01	01	5
	10.406.04	02	12		21.134.01	02	5
87454545	41.200.04			87524437	21.134.01	01	11
87454547	35.724.09	01	14		21.134.01	02	11
	35.724.09	03	9	87524438	21.134.01	01	12
87454907	35.701.03		2		21.134.01	02	12
87454908	35.701.03		2	87524439	21.134.01	01	10
87455509	82.100.02	01			21.134.01	02	10
87455538	35.724.09	03	5	87524440	21.134.01	01	15
87455580	35.724.09	01			21.134.01	02	15
87455974	35.724.09	03	12	87524441	21.134.01	01	8
87455975	35.724.09	03	3		21.134.01	02	8
87456199	35.732.01	05	1	87524877	05.500.01	03	30
87456900	21.134.01	01	4	87525756	21.134.01	01	
	21.134.01	02	4		21.134.01	02	
87456901	21.134.05		11	87525807	10.408.07		4
87456968	21.134.01	01	1	87525849	21.140.01	01	20
	21.134.01	02	1		21.140.01	02	20
87456969	21.134.05		12		21.155.14		18
87470931	55.408.09		1	87527167	55.512.16	01	28
87472321	39.125.03		38		55.512.16	03	28
87473380	35.150.15	02	21	87528964	10.220.03		1
	35.150.16	01			55.512.16	01	23
	35.150.16	02	14		55.512.16	03	23
	35.150.16	03	17	87528978	05.500.01	01	34
87475826	90.120.05		7		10.406.04	02	13
87475827	90.120.05		17	87528983	35.701.04	01	9
87475830	90.120.05		19	87530057	41.200.02		18
87475831	90.120.05		20		41.200.03		13
87475833	90.120.05		6	87530365	21.134.01	01	7
87475834	90.120.05		22		21.134.01	02	7
87475837	90.120.05		25	87534372	90.154.02		21
87475838	90.120.05		26		90.156.04		25
87475841	90.120.05		29		90.156.05		19
87475861	90.120.05		30	87534717	90.154.02		22
87478874	10.001.02	02	13		90.156.04		26
87479118	90.108.01	01	10		90.156.05		29
87480653	35.726.09	02	11	87534992	90.150.02	02	21
	35.726.31	01	13		90.160.01		21
	35.726.31	02	4		90.160.02		18
	35.726.32				90.160.03		18
87482634	35.732.01	02	17	87536218	10.101.01		
87483067	39.125.03		10	87538167	50.206.03		29
87486703	55.301.07		17	87538515	21.112.04	01	40
	55.301.08		15		21.112.04	02	40
87488318	10.012.03		7		21.113.01	03	19
	10.012.03		7		25.100.16	01	12
87488319	21.112.04	02	33	87540980	90.100.09		14
87489980	41.216.06		9	87545557	90.100.04		12
87489981	41.216.06		7	87545561	10.202.01		6
87490402	10.304.01			87546291	50.200.17	01	13
87490403	10.304.01				50.200.17	02	13
87491347	55.518.07		14	87546922	35.150.16	01	17
	90.150.10		7	87547309	35.150.16	01	11
87491619	33.202.11		13	87548073	50.200.08	02	7
	33.202.12		13	87548076	05.500.00	01	2
	33.202.13		13		10.402.05		4
	33.202.13		14		50.200.08	02	6

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
87548612	05.100.01		3	87585817	41.200.01	01	6
	05.500.00	01	6		41.200.01	02	6
	10.214.01	01	4	87585960	35.701.07		2
87548811	10.408.07		6		35.701.09	01	2
87548812	10.408.07		7		35.701.09	02	2
87548813	10.406.01	01	10	87586156	35.724.03	01	10
87548814	10.406.01	01	11		35.724.06		6
87548980	39.125.01		33		35.724.07	02	5
87549969	10.254.11		21	87586744	10.214.01	01	17
87549973	10.254.11		23		10.214.01	02	21
87550221	10.012.03		2	87586772	35.150.15	02	22
	10.012.03		2		35.150.16	01	
87551296	50.200.08	02	1		35.150.16	02	15
87551297	50.200.08	02	4		35.150.16	03	17
87551299	50.200.08	02	5	87586773	35.150.15	02	23
87554293	10.408.07		2		35.150.16	01	
87555675	10.220.03		4		35.150.16	02	16
87557237	10.406.01	01	6		35.150.16	03	17
87558870	35.724.15		5	87586776	35.150.15	03	18
87559003	10.406.04	01	2	87589025	50.200.17	01	15
	10.406.04	02	6		50.200.17	02	15
87561131	90.100.02		24	87590156	50.200.17	01	6
87565604	10.220.03		3		50.200.17	02	6
	55.512.16	01	22	87590309	90.120.10		1
	55.512.16	03	22	87592658	35.106.01	04	23
87566480	35.701.01	02	1	87593642	10.220.01		3A
87567534	21.100.01		5	87594903	90.100.04		1
	21.113.01	01		87598501	50.200.17	01	16
	21.113.01	02			50.200.17	02	16
	21.113.01	03	5	87599084	44.511.08		4
	21.155.01			87601338	21.112.04	01	39
	21.155.03				21.112.04	02	39
	21.155.08			87601345	21.112.04	01	20
	21.155.14				21.112.04	02	20
	21.155.15				21.113.01	03	1
	21.155.16			87601612	10.254.12		22
	33.110.06			87602286	10.406.04	02	2
87567534C	21.113.01	03	5	87602287	10.406.04	02	3
87567534R	21.113.01	03	5	87603513	33.202.11		10
87570539	35.724.09	01	8A		33.202.12		10
87572760	25.100.02	01	4		33.202.13		10
	25.100.02	02	4	87603514	33.202.11		11
	25.100.02	03	4		33.202.12		11
	44.100.15	01	9		33.202.13		11
	44.100.15	02	7	87603595	90.150.02	02	48
87576643	10.406.04	01	1		90.160.04		7
	10.406.04	02	1	87606502	90.100.02		15
87576645	10.406.04	01	1	87606977	10.406.04	02	4
	10.406.04	02	1	87606979	10.406.04	02	5
87578455	05.500.01	01	7	87608352	10.254.12		21
	55.512.14	03	6	87608368	10.406.04	01	17
	55.512.15	02	2	87608370	10.406.04	01	18
87578867	21.133.02	01	1A	87608777	35.726.09	01	11
	21.133.02	02	1A	87609669	39.125.02		20
87578908	21.133.01		19	87610338	10.202.01		1
87579286	41.200.01	01	1		10.202.03		
	41.200.01	02	1	87610679	55.301.07		10
87581010	90.108.09	02	15		55.301.08		9
87582179	10.105.01			87610680	55.301.07		9
87582180	10.105.01				55.301.08		8
	10.105.01			87610681	55.301.07		8
87582181	10.105.01			87610682	55.301.07		7
87582906	35.732.01	02	10	87610720	35.726.08	01	36
	35.732.01	03	20	87611122	10.408.07		12
87584546	55.512.14	01	1	87612343	10.254.11		9
	55.512.14	03	1	87612475	10.214.01	02	2
87584604	35.114.02			87613924	21.112.04	01	35
87584890	05.500.01	01	3		21.112.04	02	35
	55.404.01	02	6		21.113.01	03	18
	55.514.01		5		21.300.00		1
87584965	10.001.01		1		27.100.08	01	6
	10.012.03			87614808	55.512.16	01	11
87584965C	10.001.01				55.512.16	03	11
	10.012.03			87615483	35.730.01	01	13
87584965R	10.001.01				35.732.01	01	9
	10.012.03			87615484	35.730.03	01	13
87585167	90.100.04		20		35.732.01	06	9
87585817	05.500.01	03	6	87615485	35.730.03	02	13

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
87615486	35.730.01	03	13	87655041	55.301.07		19
	35.732.01	07	9	87655042	35.106.01	02	20
87615487	35.730.03	03	13		35.724.07	01	21
87615800	50.206.05		18		35.726.08	01	32
87615850	35.726.15		8		35.726.09	02	8
87616934	10.406.01	01	2		35.726.10	01	10
87617604	10.254.11		7		35.726.11	01	14
87617605	10.254.11		7		35.726.12	02	15
87617657	35.150.02		6		35.726.14		16
	35.150.03		6		35.726.20	01	32
	35.150.08	01	6		35.726.20	02	27
	35.150.09		6		35.726.21	01	33
	35.150.11		3		35.726.23		3
	35.724.15		8		35.726.24		3
	35.724.16		6		35.726.30	01	38
	35.724.17		9		35.726.31	01	18
87618533	27.100.08	01	4		35.726.31	02	6
	27.100.08	02	4		35.726.36	01	37
87626	39.125.03		2		35.732.01	02	5
87626017	90.108.01	02	14		35.732.01	03	7
87627072	90.150.09		5		35.738.02	01	12
87627903	35.106.01	04	24		35.738.02	02	14
87628308	10.406.04	01	4		35.738.03	02	22
	10.406.04	02	8		35.740.02	01	22
87628324	10.406.04	01	3		35.936.01		16
	10.406.04	02	7		39.100.03		17
87630218	50.200.17	01	7		39.121.06	01	11
	50.200.17	02	7		50.200.08	01	14
87630219	50.200.17	01	8		50.200.08	02	12
	50.200.17	02	8		55.100.02	01	8
87630220	50.200.17	01	9		55.100.35		18
	50.200.17	02	9		55.100.40		13
87632870	10.406.01	01	9		55.301.07		16
87632920	35.724.03	01	2		55.301.08		7
	35.724.06		17		55.512.13		3
	35.724.07	01	20		55.512.14	02	9
87633538	35.726.31	02	5		55.512.15	01	3
87637384	55.518.07		21		55.512.16	02	8
	90.150.10		10		55.512.17	01	3
87638044	35.724.05				55.512.17	02	8
	35.724.06		1A		84.120.01		9
87638045	35.724.03	01	1A	87655043	10.012.03		4
	35.724.05				21.112.04	01	28
87638046	35.724.03	01	1		21.112.04	02	28
	35.724.04				25.100.02	01	
87638047	35.724.04				25.100.02	02	
	35.724.06		1		25.100.02	03	
87638350	35.724.04		10		35.106.01	03	3
	35.724.04		25		35.106.02	01	3
	35.724.05		11		35.106.02	02	3
	35.724.05		27		35.726.20	01	8
87638737	10.254.11		28		35.726.20	02	2
87642364	33.202.03		11		35.726.21	01	8
87642365	33.202.03		10		35.726.21	02	1
87642370	33.202.03		6		35.726.21	03	2
87644491	55.100.35		1		35.726.22	02	2
	55.100.40		1		35.726.25		2
	55.512.17	01	1		35.726.38	01	10
87644495	33.202.03		7		39.125.01		35
87644497	33.202.03		9		50.200.08	01	16
87647029	10.406.04	01	13	87655044	39.100.03		18
	10.406.04	02	28		39.105.09		14
	10.408.07		5	87655046	10.414.01	01	7
87647551	10.105.01				10.414.01	02	3
87648711	35.726.31	02	3		21.112.04	01	25
87651975	35.701.01	02	16		21.112.04	02	25
87652272	10.202.01		10		25.100.02	01	12
	39.100.03		16		25.100.02	02	12
87653377	55.301.07		3		25.100.02	03	12
	55.301.08		3		35.106.01	01	2
87654515	05.500.01	03	4		35.106.01	04	25
	55.100.35		13		35.350.02		4
87655041	35.701.01	02	4		35.701.04	01	19
	35.726.21	02	6		35.701.05	01	21
	35.726.21	03	6		35.701.06	01	19
	35.738.02	02	28		35.701.06	02	21
	41.200.01	01	5		35.701.07		5
	41.200.01	02	5		35.724.07	01	22

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
87655046	35.724.08		2	87666894	35.750.01		23
	35.726.08	01	14	87666896	35.750.01		24
	35.726.09	01	5	87668376	39.125.03		28
	35.726.09	02	5	87669381	55.518.06		1
	35.726.10	01	5		55.518.07		1
	35.726.10	02	11	87669391	55.518.06		4
	35.726.11	02	4		55.518.07		2
	35.726.12	02	16	87669401	05.500.01	01	30
	35.726.12	03	10		55.518.06		7
	35.726.12	06	10	87669712	55.518.06		6
	35.726.13	01	13	87669761	05.500.01	01	31
	35.726.13	02	12		55.518.06		5
	35.726.14		13		55.518.07		3
	35.726.19	02	8	87671746	55.301.07		21
	35.726.19	03	6	87672223	55.510.01		1
	35.726.19	04	6	87673270	35.750.01		20
	35.726.23		13	87674844	05.500.01	02	1
	35.726.24		11		10.406.01	01	1
	35.726.31	02	9	87675208	55.518.07		8
	35.737.01	01	16	87675209	90.150.10		9
	35.737.01	02	21	87675522	35.106.01	01	20
	35.737.01	03	26		35.106.01	04	27
	35.738.02	02	15		35.726.08	01	1
	35.738.03	01	12		35.726.31	02	19
	35.738.03	02	25		35.737.01	01	21
	35.740.01	01	13		35.738.03	02	24
	35.740.02	01	25		35.740.01	01	3
	35.740.02	02	14		35.740.02	01	24
	35.936.01		13	87675764	10.220.03		2
	39.100.03		19		55.512.16	01	24
	39.125.01		20		55.512.16	03	24
	41.200.02		19	87681202	35.701.01	02	6
	41.200.03		14		35.726.12	03	11
	44.100.15	02	6		35.726.12	06	11
	50.200.08	01	17		35.726.27	01	16
	50.200.08	02	8		35.726.28	01	14
	55.100.35		15		39.121.06	01	13
	55.201.09		17	87681261	35.724.03	01	6
	55.301.07		14		35.724.06		13
	55.301.08		13		35.724.07	02	10
	55.512.14	02	16	87682989	05.100.01		4
	55.512.16	01	8		05.500.00	01	11
	55.512.16	03	8		10.202.03		2
	55.514.01		19	87682999	05.100.01		4
	84.120.01		16		05.500.00	01	12
87655047	35.730.04	03	30		10.202.03		3
	35.739.04		13	87685948	35.726.03	02	2
	35.739.05		13		35.726.04	02	2
87655222	21.113.01	03	2		35.726.04	04	2
87655334	55.100.02	02	4	87685952	35.150.15	02	1
	55.512.15	02	6		35.726.05		2
	55.512.17	03	4		35.726.06		2
87656136	35.737.01	01	20		35.726.07		2
	35.737.01	02	25	87685953	35.150.15	01	1
	35.737.01	03	4		35.726.02		2
87656501	35.106.01	01	8		35.726.04	01	2
	35.106.01	04	26		35.726.04	03	2
	35.726.21	01	29	87685954	35.150.16	02	1
	35.726.22	02	17		35.726.02		1
	35.732.01	03	3		35.726.03	02	1
87657148	90.150.02	02	1		35.726.05		1
	90.160.01		1	87685955	35.150.16	03	1
87659610	41.204.05				35.726.04	01	1
87659611	41.204.05				35.726.04	02	1
87659612	41.204.05				35.726.07		1
87659616	41.204.05			87685956	35.150.16	01	
87661956	41.200.04				35.726.06		1
87661957	41.200.04			87686604	50.104.01		20
87661958	41.200.04			87687101	35.726.09	02	6
87664021	55.301.07		2		35.726.11	01	17
	55.301.08		2		35.726.19	02	11
87664422	35.724.03	01	34		35.726.19	03	9
	35.724.07	01	23		35.726.19	04	8
87664425	35.724.03	01	33		35.726.31	01	14
	35.724.07	01	24		35.732.01	02	7
87665116	41.200.01	02	1		35.732.01	03	17
87666451	10.202.01		7		35.732.01	04	3
87666514	10.214.01	02	1		35.737.01	01	17

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
87687101	35.737.01	02	22	87701317	33.110.05		6
	35.737.01	03	24		33.110.06		6
	35.739.04		18	87701318	33.110.04		7
	35.739.05		18		33.110.05		7
	39.100.03		20		33.110.06		7
87687141	35.150.15	01	2	87701320	33.110.04		8
	35.150.15	02	2		33.110.05		8
	35.150.15	03	1		33.110.06		8
	35.150.16	01	1	87701321	33.110.04		9
	35.150.16	02	2		33.110.05		9
	35.150.16	03	2		33.110.06		9
87689189	35.724.04		11	87701323	33.110.04		10
	35.724.04		26		33.110.05		10
	35.724.05		12		33.110.06		10
	35.724.05		28	87701324	33.110.04		11
87689338	35.724.04		12		33.110.05		11
	35.724.04		27		33.110.06		11
	35.724.05		13	87701325	33.110.04		12
	35.724.05		29		33.110.05		12
87693489	21.112.04	01	35		33.110.06		12
	21.112.04	02	35	87701327	33.110.04		13
	21.113.01	03	18		33.110.05		13
	21.300.00		1		33.110.06		13
	27.100.08	02	6	87701328	33.110.04		14
87694065	35.750.02		3		33.110.05		14
	90.108.01	02	11		33.110.06		14
87694305	90.100.09		1	87701329	33.110.04		15
	90.150.10		6		33.110.05		15
87694656	25.100.02	01	8		33.110.06		15
	25.100.02	02	8	87701330	33.110.04		16
	25.100.02	03	8		33.110.05		16
	25.100.16	01	1		33.110.06		16
87695421	55.512.16	01	5	87701333	33.110.04		19
	55.512.16	03	5		33.110.05		19
87697589	33.202.14		2		33.110.06		19
87697590	33.202.14		3	87701338	21.133.02	01	2
87698749	10.304.01		13	87701775	21.154.09		10
87699640	55.518.07		7		21.154.09		27
	90.150.10		8	87701777	21.112.01	01	5
87699875	44.511.08		4	87701779	21.113.01	04	24
87700794	55.518.07		12	87702192	21.112.04	02	21
87701053	21.112.01	01	4		21.113.01	03	21
87701253	21.112.01	02	4	87702192C	21.112.04	02	21
87701255	21.112.01	02	5		21.113.01	03	21
87701257	21.112.01	01	11	87702192R	21.112.04	02	21
	21.112.01	02	11		21.113.01	03	21
87701258	21.112.01	01	22	87702194	21.112.04	01	21
	21.112.01	02	18	87702194C	21.112.04	01	21
	21.113.01	04	22	87702194R	21.112.04	01	21
87701260	21.112.01	02	22	87702297	90.108.09	01	14
87701269	21.112.01	01	27	87702570	21.112.01	01	18
	21.112.01	02	26		21.112.01	02	20
	21.113.01	02	12	87703557	35.726.31	02	2
	21.113.01	04	21	87704858	10.254.11		14
87701270	21.112.01	01	26	87704971	21.154.03		1
	21.112.01	02	27		21.154.03		1
87701276	21.154.02		4	87705431	21.155.01		1
	21.154.08		4	87705432	21.113.01	01	5
87701278	21.154.09		1	87705434	21.113.01	01	6
	21.154.09		4	87705435	21.113.01	01	7
	21.155.07		4	87705437	21.113.01	01	9
87701293	21.154.09		16	87705438	21.113.01	01	10
	21.154.09		8	87705439	21.113.01	01	12
	21.155.07		16	87705441	21.113.01	01	13
87701294	21.155.07		27	87705444	21.113.01	01	17
87701309	33.110.04		1	87705445	21.113.01	02	1
	33.110.05		1	87705446	21.113.01	02	10
	33.110.06		1	87705447	21.113.01	02	11
87701310	33.110.04		2		21.113.01	04	18
	33.110.05		2	87705448	21.113.01	02	15
	33.110.06		2	87705451	21.113.01	02	17
87701313	33.110.04		4	87705452	21.113.01	02	19
	33.110.05		4	87705453	21.113.01	02	20
	33.110.06		4	87705455	21.113.01	02	21
87701315	33.110.04		5	87705457	21.155.14		6
	33.110.05		5	87705458	21.155.14		9
	33.110.06		5	87705459	21.155.14		21
87701317	33.110.04		6	87705460	21.140.01	01	28

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
87705460	21.140.01	02	28	87708391	27.100.09		9
	21.155.14		27	87708392	27.100.09		10
87705461	21.155.03		3	87708393	27.106.02	01	1
87705462	21.155.03		4	87708394	27.106.01	01	1
87705463	21.155.03		5	87708395	27.106.01	01	2
87705464	21.155.03		9		27.106.01	02	2
87705465	21.155.03		12	87708396	27.106.01	01	4
	21.155.08		6	87708397	27.106.01	01	6
87705466	21.155.03		13	87708398	27.106.01	01	7
87705467	21.113.01	01	19	87708399	27.106.01	01	8
	21.155.03		22	87708400	27.106.01	01	9
	21.155.08		18		27.106.01	02	9
87705468	21.155.03		23	87708401	27.106.01	01	11
87705469	21.155.03		24	87708402	27.106.01	01	14
	21.155.08		39	87708403	27.106.01	01	15
87705470	21.155.08		3	87708408	27.106.01	01	16
87705476	21.155.08		17	87708409	27.106.01	01	17
87705479	21.155.08		20	87708411	27.106.01	01	18
87705480	21.155.08		21		27.106.01	02	18
87705481	21.155.08		22	87708413	27.110.02	02	1
87705482	21.155.08		23		27.110.02	03	1
87705483	21.155.08		24	87708415	27.110.02	02	2
87705492	21.155.08		25		27.110.02	03	2
87705493	21.155.08		26	87708417	27.110.02	02	5
87705494	21.155.08		27		27.110.02	03	5
87705501	21.155.08		28	87708420	27.110.02	02	6
87705502	21.155.08		29		27.110.02	03	6
87705503	21.155.08		30	87708422	27.110.02	02	8
87705515	21.155.08		31	87708424	27.110.02	02	9
87705516	21.155.08		32		27.110.02	03	9
87705517	21.155.08		33	87708427	27.110.02	02	10
87705518	21.155.08		34	87708431	27.100.11		1
87705519	21.155.08		35	87708432	27.100.11		1
87705520	21.155.08		36	87708433	27.100.11		2
87705521	21.155.08		37	87708434	27.100.11		3
87705522	21.155.08		38	87708435	27.100.11		4
87705524	21.155.08		41	87708436	27.100.11		6
87705528	21.155.15		5	87708438	27.100.11		7
87705529	21.155.15		6	87708440	27.100.11		9
87705530	21.155.15		6	87708441	27.100.11		12
87705531	21.155.15		6	87708442	27.100.11		13
87705543	21.155.15		7	87708443	27.120.02	01	2
87705544	21.155.15		8	87708444	27.120.02	01	3
87705545	21.155.15		9		27.120.02	02	3
87705547	21.155.15		11	87708445	27.120.02	01	6
87705548	21.155.15		12	87708447	27.120.02	01	9
87705549	21.155.15		13	87708452	27.120.02	01	10
87705550	21.155.15		14		27.120.02	02	4
87705551	21.155.15		15	87708453	27.120.02	01	11
87705552	21.155.15		16		27.120.02	02	16
87705553	21.155.15		17	87708454	27.120.02	01	12
87705554	21.155.15		18		27.120.02	02	5
87705555	21.155.15		19	87708466	27.120.02	01	17
87705557	21.155.15		20	87708467	27.120.02	01	18
87705560	21.155.15		21		27.120.02	02	9
87705562	21.155.15		25	87708487	27.100.10		1
87705564	21.155.15		26	87708489	27.100.10		9
87705566	21.155.16		1	87708508	27.106.02	02	6
87705567	21.134.01		9	87708509	27.106.02	02	1
	21.155.16		2	87708510	27.106.02	02	6
87705568	21.155.16		3	87708511	27.106.02	02	6
87705569	21.155.16		4	87708512	27.106.02	02	6
87705714	21.155.16		5	87708513	27.106.02	02	6
87705716	21.134.01		6	87708514	27.106.02	02	6
	21.155.16		7	87708515	27.106.02	02	6
87705720	21.155.16		8	87708516	27.106.02	02	6
87705723	21.134.01		2	87708517	27.106.02	02	6
	21.155.16		9	87708518	27.106.02	02	9
87705729	21.155.16		12	87708519	27.106.02	02	10
87705732	21.155.16		13	87708520	27.106.01	02	1
87705895	21.113.01	02	13	87708521	27.106.01	02	4
87707841	55.404.01	02	15	87708522	27.106.01	02	5
	55.514.01		8	87708523	27.106.01	02	6
87707942	21.155.16		6	87708524	27.106.01	02	7
87708015	35.724.03	01	5	87708525	27.106.01	02	8
	35.724.06		14	87708526	27.106.01	02	11
	35.724.07	02	13	87708527	27.106.01	02	14
87708390	27.100.09		1	87708528	27.106.01	02	15

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
87708532	27.106.01	02	16	87735093	10.012.03		1
87708533	27.106.01	02	17	87735094	21.113.01	03	8
87708963	27.110.02	03	8	87735095	21.113.01	03	15
87708964	27.110.02	03	10	87735096	21.112.04	01	30
87708965	27.110.02	03	12		21.112.04	02	30
87708966	27.100.11		1A	87735097	21.112.04	01	29
87708967	27.120.02	02	2		21.112.04	02	29
87708969	27.120.02	02	8	87735577	55.301.07		6
87708970	27.120.02	02	13		55.301.08		6
87708971	27.120.02	02	15	87735578	55.301.07		5
87708972	27.120.02	02	18		55.301.08		5
87711036	27.106.02	02	3	87747982	25.102.01	01	12
87711038	27.120.02	01	15		25.102.01	02	12
	27.120.02	02	7		25.102.01	03	12
87711985	55.518.07		9		25.102.04	01	12
87712564	55.100.35		10	87748047	55.518.07		19
87713130	35.724.07	01	26		90.150.10		21
	90.150.02	02	27	87748532	25.102.03		9
	90.160.01		27		25.102.04	01	16
	90.160.02		25	87748927	25.310.01	01	11
	90.160.03		25	87748929	25.310.01	02	11
87714038	33.202.03		1	87748946	25.100.08	01	3
	33.202.09				25.100.08	02	3
	33.202.14		1		44.100.16	02	3
87715487	10.406.01	01	3	87751023	35.150.06	02	
87715652	10.406.01	01	3		35.726.16	02	3
87715781	35.738.01	01	14		35.726.17	03	8
	35.738.01	02	20		35.726.17	04	3
87715782	35.736.02		10		35.726.18	02	3
	35.736.03		11	87751102	35.726.17	03	10
	35.738.01	03	14		35.726.17	04	10
87715783	35.736.04		11	87751123	35.114.02		1
	35.738.04	01	11		35.724.11		2
	35.738.04	02	11		35.724.12		
87715786	35.730.01	01	11	87751137	35.114.02		2
	35.732.01	01	15	87751139	35.114.02		3
87715787	35.732.01	06	15	87751147	35.114.02		4
87715789	35.730.03	02	11	87751598	41.200.04		14
87715790	35.730.01	03	11	87751873	25.108.01	01	6
	35.732.01	07	15		25.108.01	02	6
87715791	35.730.03	03	11		44.100.17	02	6
87716823	21.300.00		7	87751884	90.108.01	01	11
	25.100.16	01	7	87751885	90.108.01	01	12
87716824	21.300.00		5	87752046	35.150.01	02	3
	25.100.16	01	11		35.724.12		2
87716825	21.300.00		7	87752047	35.150.01	02	2
87716969	33.202.09		1		35.724.12		3
87716970	33.202.09		2	87752049	35.724.12		4
87719412	10.406.06		1	87752050	35.724.12		5
87719444	35.750.01		8	87752051	35.724.12		6
	55.301.07		24	87753055	35.726.32		12
	55.301.08		18	87753087	90.156.05		9
87719495	90.100.04		19	87753157	90.154.07		9
87719497	90.100.04		18	87754355	35.724.17		5
87721028	10.406.01	01	18	87754413	35.724.17		6
87721260	10.406.01	01	19	87757931	35.724.10	01	17
87721299	10.254.11		29		35.724.10	02	17
87721314	10.254.11		30	87757932	35.724.10	01	18
87721671	21.109.02		22A		35.724.10	02	18
87722866	21.155.16		14	87803200	05.100.01		3
87725883	10.406.06		10		05.500.00	01	9
87725886	10.406.06		9		10.206.01	02	6
87726055	90.100.04		24	87803261	05.100.01		1
87726573	55.518.07				05.500.00	01	5
87726574	55.518.07				10.206.04	01	1
87726950	50.200.17	01	10		10.206.04	02	1
	50.200.17	02	10	87803445	05.100.01		3
87726951	50.200.17	01	11		05.500.00	01	8
	50.200.17	02	11		10.214.01	02	2
87727552	25.102.03		3	892-11005	10.220.01		30
	25.102.04	02	3		35.726.35		4
87727553	25.102.03		2	892-11006	10.220.01		31
	25.102.04	02	2		35.726.27	01	4
87727923	35.106.01	01	33		35.726.28	01	5
	35.106.01	02	6		55.518.06		3
87729268	35.106.01	02	12		55.518.07		
87733372	35.726.13	01	9		90.154.02		32
87735093	10.012.03		1	892-11008	10.220.01		10

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
892-11008	10.254.12		18	895-15008	10.406.04	02	22
	10.254.12		8		35.750.01		10
	10.414.01	01	9		41.204.08		16
	35.701.02	01	15		41.204.08		24
	35.726.09	03	3		50.200.17	01	19
	39.125.02		10		50.200.17	02	19
	55.100.02	01	4		50.206.04		7
	55.201.09		5		50.206.05		16
	55.512.16	02	4		55.301.07		26
	55.512.17	02	4		55.301.08		20
	82.100.02	01	28		90.150.09		17
	90.116.08		6	895-15010	10.406.04	01	20
892-11010	10.220.01		24		10.406.04	02	16
	10.254.11		5		41.204.08		21
	35.106.01	01	18		50.200.17	01	22
	35.106.01	04	9		50.200.17	02	22
	35.701.02	01	4		50.206.05		11
	41.200.04		26	895-18012	90.120.01	01	4
	55.201.03		40	89509420	90.154.02		43
	82.100.02	01	26		90.156.04		6
893-11004	35.726.09	02	15		90.156.05		14
	55.510.01		2	896-11008	10.254.03		2
893-11005	90.150.02	02	8		10.254.03		2
	90.160.01		8	896-11010	35.724.03	01	29A
895-11004	33.202.03		23	896-11012	21.112.04	01	10
	90.100.10		25		21.112.04	02	10
	90.150.02	02	30		35.739.04		26
	90.150.02	02	40		35.739.05		26
	90.160.01		30	896-11020	39.125.02		18
	90.160.01		40		82.100.01	02	2
	90.160.02		28	896-15008	10.220.03		6
	90.160.03		28	896-15010	10.254.11		12
	90.160.04		11		10.254.11		4
895-11005	10.220.01		6		21.113.01	03	27
	10.220.03		11	896-15012	10.012.03		4
	55.100.35		6		10.220.01		27
	55.100.40		7		21.113.01	03	9
	55.512.17	01	6		33.202.12		8
895-11006	10.254.12		16		90.100.02		18
	10.254.12		23		90.120.01	01	10
	10.254.12		5	90-6682T1	21.300.00		12
895-11008	10.202.01		3		21.300.00		12
	10.220.01		11	905794R1	21.133.02	01	20
	10.406.01	01	13		21.133.02	02	20
	10.406.01	01	23	905839R1	44.100.17	01	6
	10.406.04	01	10	92260C1	55.514.01		7
	10.406.04	02	14	933781R1	33.110.04		24
	10.408.07		9		33.110.05		24
	21.109.02		3		33.110.06		24
	21.113.01	03	4	934667R1	21.112.01	01	7
	33.202.03		2		21.112.01	02	7
	33.202.03		29		21.113.01	01	15
	33.202.14		6		21.134.05		6
	35.726.22	01	17	934727R1	44.100.17	01	4
	39.125.02		9	935388	35.726.14		14
	50.200.17	01	24		35.936.01		14
	50.200.17	02	24	9511052	35.737.01	01	14
	55.100.35		3		35.737.01	02	18
	55.100.40		3		35.737.01	03	19
	55.408.09		2	9515003	35.726.10	01	19
	55.518.07		16		35.726.10	02	15
	90.150.10		13		35.726.11	01	21
895-11010	33.202.03		26		35.726.11	02	13
	35.701.02	01	18	9617873	35.350.02		25
	35.724.03	01	24		35.701.07		
	35.724.06		7		35.701.09	02	
	35.724.07	02	6		35.701.09	02	
	35.750.02		5		35.701.09	02	
	82.100.02	01	17		35.724.09	03	21
	82.100.02	01	21		35.726.12	06	
	90.100.02		11		35.726.12	06	
	90.100.02		17		35.726.21	01	
	90.100.02		6		35.726.21	01	
	90.100.04		4		35.726.22	02	
	90.100.04		9		35.726.22	02	
895-15008	10.214.01	02	9		35.726.38	01	8
	10.254.11		26		35.732.01	03	15A
	10.406.04	01	23	9621483	35.701.08		6

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
9621483	35.726.31	02	17	9840535	35.737.01	03	6
9625178	21.113.01	04	1		35.738.02	02	23
	21.134.01		3		35.738.03	02	30
	27.110.02	03	11		35.740.01	01	16
	27.120.02	01	4		35.740.02	01	30
	27.120.02	02	12	9840542	35.701.08		11
	35.724.09	01	10		35.701.09	01	9
	35.726.32		7		35.701.09	02	9
9626929	25.310.01	01	8	9840543	35.701.01	02	7
	25.310.01	02	8		35.726.08	01	3
	44.101.04	02	2		35.726.12	03	3
9635884	39.125.03		1		35.726.12	06	3
9637611	21.112.04	01	41		35.726.20	01	23
	21.112.04	02	41		35.726.20	02	9
	21.113.01	03	20		35.726.21	01	25
	21.300.00		13		35.726.22	02	11
	21.300.00		13		35.726.25		9
	25.100.02	01	10		35.726.38	01	7
	25.100.02	02	10		35.732.01	02	11
	25.100.02	03	10		35.732.01	03	15
	25.100.16	01	13		35.732.01	04	10
	27.100.08	01	8		39.125.03		11
	27.100.08	02	8	98412146	10.101.02		3
9706690	35.726.23		4	9841223	35.150.01	01	5
	35.726.24		4		35.150.01	02	5
9706702	35.726.20	01	9	9843592	35.726.28	01	6
	35.726.20	02	3	98442027	10.101.02		2
	35.726.21	01	9	9845760	90.120.05		24
	35.726.22	02	3	9846848	35.737.01	03	5
	35.726.25		3	9846955	35.701.08		8
	35.726.38	01	9		35.732.01	02	19
9706704	35.726.13	02	19	9846956	35.701.07		7
	35.738.02	02	18		35.701.09	01	12
9706755	35.738.02	02	29		35.701.09	02	7
9706924	35.701.13		8		35.726.20	01	6
97399C1	90.156.05		31		35.726.20	02	11
9824050	35.106.01	01	30		35.726.21	01	6
	35.106.01	01	5		35.737.01	03	3
	35.701.07			9847247	35.106.01	01	30
	35.701.07				35.106.01	01	5
	35.701.07				35.106.01	02	9
	35.701.07				35.106.01	04	12
	35.701.07			9847690	35.701.07		25
	35.701.09	02			35.701.09	02	28
	35.701.09	02		9970178	35.726.09	05	2
	35.701.09	02			35.726.37	01	2
	35.701.09	02		9970180	35.726.09	05	3
	35.701.09	02			35.726.37	01	3
	35.726.21	01		9970384	35.726.09	05	5
	35.726.21	01			35.726.37	01	5
	35.726.21	01		9991973	35.701.09	01	11
	35.726.21	01			35.701.09	02	11
	35.726.21	01			35.739.04		10
	35.726.22	02			35.739.05		10
	35.726.38	01	4	9991976	35.106.01	01	23
	35.732.01	03	5B		35.106.01	01	28
9824055	35.701.07		10		35.726.21	01	
	35.701.08		7		35.726.22	02	
	35.701.09	01	5		35.738.03	02	41
	35.701.09	02	5	9992069	35.106.01	01	20
	35.726.23		19		35.350.02		24
	35.726.24		17		35.701.07		
	35.732.01	03	5		35.701.09	01	11A
	35.732.01	04	12		35.701.09	02	
9825770	35.701.09	02			35.701.09	02	
	35.701.09	02			35.739.04		10
	35.726.12	06		9992298	35.106.01	01	29
9840534	35.106.01	01	28		35.701.07		
	35.106.01	02	10		35.701.09	02	
	35.737.01	01	22		35.739.04		3
	35.738.03	02	3		35.739.04		4
9840535	35.106.01	01	23		44.100.15	01	14A
	35.726.20	01	17	9992305	35.701.07		8
	35.726.21	01	17		35.701.08		9
	35.726.22	02	13		35.701.09	01	8
	35.726.25		8		35.701.09	02	8
	35.737.01	01	15		35.732.01	04	7
	35.737.01	02	20		35.739.04		3

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
9992305	35.739.05		3	D121152	05.500.01	01	9
	41.200.02		6		55.404.01	01	3
	41.200.03		6		55.404.01	02	1
9992307	35.726.08	01	11	D121194	39.125.02		6
	35.726.31	02	20	D123655	25.100.08	01	15
	35.739.04		4		25.100.08	02	15
	35.739.05		4		44.100.16	02	4
	41.200.01	01	10	D123684	25.100.02	01	7
	41.200.01	02	10		25.100.02	02	7
	41.200.02		7		25.100.02	03	7
9992342	25.100.02	01	2		44.100.15	01	3
	25.100.02	02	2		44.100.15	02	5
	25.100.02	03	2	D124529	33.202.03		16
	35.732.01	04	6	D124530	33.202.03		12
	44.100.15	01	14	D124857	10.220.01		8
	44.100.15	02	4	D125223	44.511.08		1
9993141	35.701.07			D127542	39.125.01		2
	35.701.09	02		D129264	82.100.01	01	9
	35.726.12	06			82.100.02	01	11
	35.726.12	06		D132982	21.109.02		26
	35.726.12	06			50.104.01		24
	35.726.12	06		D133865	39.121.01	02	7
	35.726.21	01			39.121.02	02	7
	35.726.21	01		D134900	35.726.19	02	16
	35.726.21	01		D135384	05.500.01	01	8
	35.726.22	02			55.404.01	01	2
	35.726.22	02			55.404.01	02	2
	35.726.22	02		D136391	39.105.08		13
	35.726.38	01	6		39.105.09		7
	35.732.01	03	15B	D136392	39.105.08		12
9993143	35.701.07		9		39.105.09		8
	35.701.09	01	6		39.121.05		14
	35.701.09	02	6	D137218	39.121.01	02	15
	35.726.08	01	22		39.121.07		2
	35.726.12	03	4		39.121.11		3
	35.726.12	06	4	D137363	39.125.01		16
	35.726.20	01	12	D137468	55.512.14	01	4
	35.726.21	01	12	D137626	25.100.02	01	9
	35.726.22	02	6		25.100.02	02	9
	35.726.25		10		25.100.02	03	9
	35.726.27	01	5		27.100.08	01	7
	35.726.28	01	7		27.100.08	02	7
	41.200.01	01	7	D138055	35.350.02		18
	41.200.01	02	7		35.701.01	01	3
	41.200.02		8		35.701.04	01	12
A13240	35.350.02		5		35.701.05	01	14
A156873	27.100.09		3		35.701.06	01	12
	27.100.10		3		35.701.06	02	14
A166057	05.500.01	01	1		35.701.14		3
	55.440.01		23A		35.701.16		13
A167037	90.118.51		8	D138157	84.100.01	01	7
A170467	10.254.11		8		84.100.01	03	7
A177435	10.220.02		2		84.100.01	04	7
A187542	55.408.01		5		84.100.01	04	7
A187575	55.408.01		11		84.100.01	05	7
A187714	55.514.01		16		84.100.01	05	7
	55.518.06				84.100.01	06	7
A187990	55.512.14	02	8	D138492	44.520.03		5
A20058	44.520.03		2	D138955	05.500.01	02	35
A23870	55.408.01		1		55.100.35		12
A30881	35.726.22	01	9	D139039	35.726.30	01	11
	35.726.30	01	3		35.726.36	01	9
	35.726.36	01	3	D139849	84.100.01	01	
A33509	39.121.01	02	11		84.100.01	03	
	39.121.02	02	11		84.100.01	04	
A38208	44.100.15	01	15		84.100.01	04	
	44.511.08		7		84.100.01	05	
A42561	50.104.01		6		84.100.01	05	
	50.206.03		14B		84.100.01	06	
A48041	21.140.01	01	2	D139851	84.100.01	01	
	21.140.01	02	2		84.100.01	03	
	21.154.02		6		84.100.01	04	
	21.154.08		6		84.100.01	04	
	21.155.14		2		84.100.01	05	
A65544	41.200.02		24		84.100.01	05	
	41.200.03		18		84.100.01	06	
	41.204.08		5	D140035	33.202.03		14
A77310	33.202.03		20	D140247	39.121.01	02	10

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
D140247	39.121.02	02	10	D149826	90.108.09	02	10
D140267	90.100.02		13	D149827	35.726.19	02	25
D142012	84.100.01	05	4		90.108.09	02	11
D142144	90.118.51		10	D149828	35.726.31	01	9
D142787	35.739.04		7		90.108.01	02	5
	35.739.05		7	D149829	35.726.31	01	10
D142890	27.100.11		10		90.108.01	02	6
D142898	21.154.03		16	D149860	25.100.16	01	5
	21.154.03		16	D149866	35.726.36	01	36
	27.106.01	01	3	D149867	35.726.30	01	35
	27.106.01	02	3	D149868	35.726.31	01	27
	44.101.04	01	6	D150032	35.726.19	02	17
D142986	27.120.02	01	7	D150214	44.100.17	01	11A
	27.120.02	02	19	D150397	35.726.30	01	8
D143242	55.512.16	01	13		35.726.36	01	8
	55.512.16	03	13	D150434	35.726.30	01	6
	90.150.09		9		35.726.36	01	6
D143324	90.120.10		8	D150435	35.726.30	01	7
	90.120.11		8		35.726.36	01	7
D143411	35.726.08	01	24	D150486	35.726.36	01	35
D143416	35.726.19	02	18	D150493	35.726.30	01	16
D143417	50.104.01		29		35.726.36	01	14
	50.206.03		20	D150503	35.726.30	01	28
	90.100.02		23		35.726.36	01	26
D143427	50.104.01		27	D151034	39.125.02		15
	50.206.03		18	D25279	35.732.01	05	3
D143591	35.724.07	01	33		35.732.01	05	6
	84.120.01		11		90.120.10		7
D143714	90.100.02		9		90.120.11		7
D143715	90.100.02		8	D28648	35.732.01	05	2
D143723	84.120.01		12	D30933	84.100.01	04	12
D143735	84.120.01		24	D31140	82.100.02	01	2
D143846	35.701.02	01	20	D34666	35.726.30	01	34
	35.738.02	01	7		35.726.36	01	32
	35.738.03	01	9	D35908	21.113.01	03	17
	35.738.03	02	28	D37495	84.100.01	04	11
	35.740.02	01	28	D37614	90.120.10		6
	35.740.02	02	10		90.120.11		6
D144485	35.730.04	01	19	D38648	35.701.02	01	26
	35.730.04	02	22	D39696	21.109.02		24
	35.730.04	03	19		35.106.01	01	17
	39.105.08		22		35.106.01	04	30
	39.105.09		19		35.726.08	01	10
D144486	35.730.04	01	20		41.200.02		25
	35.730.04	02	23		41.200.03		19
	35.730.04	03	20	D48212	84.100.01	01	10
	39.105.08		23		84.100.01	03	10
	39.105.09		20		84.100.01	04	10
D144592	84.120.01		3		84.100.01	04	10
D145061	84.100.01	05	4		84.100.01	05	10
D145767	39.125.01		5		84.100.01	05	10
D147409	84.100.01	01	4		84.100.01	06	10
D148108	55.512.14	02	5	D51391	82.100.02	01	7
D148962	10.220.02		6	D51392	35.701.02	01	9
	35.726.09	01	32		82.100.02	01	15
D148994	35.726.30	01	12	D51393	35.701.02	01	10
	35.726.36	01	10		82.100.02	01	19
D149033	35.732.01	05	13	D51750	84.100.01	01	5
D149262	35.726.30	01	27		84.100.01	01	8
	35.726.36	01	25		84.100.01	03	5
D149287	35.724.03	01	35		84.100.01	03	8
	35.724.07	01	4		84.100.01	04	5
	35.726.19	02	5		84.100.01	04	5
	35.726.19	04	12		84.100.01	04	8
	35.726.30	02	2		84.100.01	04	8
	35.726.36	02	2		84.100.01	05	5
D149288	35.726.22	01	12		84.100.01	05	5
	35.726.30	01	26		84.100.01	05	8
	35.726.36	01	24		84.100.01	05	8
D149295	35.726.30	01	31		84.100.01	06	5
	35.726.36	01	29		84.100.01	06	8
D149725	44.100.16	01	4	D52276	35.726.09	02	3
D149726	44.100.16	01	3		35.726.19	01	8
D149824	35.726.36	02	1		35.726.19	02	10
	90.108.01	02	3		35.726.19	03	8
D149825	35.726.30	02	4		35.726.19	04	11
	90.108.01	02	4	D52564	90.108.17		1
D149826	35.726.31	01	11	D53812	35.732.01	05	5

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
D55216	90.108.01	02	10	G102090	35.730.03	02	9
D59912	35.726.22	01	11	G102285	35.739.03		15
	35.726.30	01	22	G102288	35.701.03		16
	35.726.36	01	21	G102424	35.738.01	01	6
D61368	35.732.01	05	7		35.738.01	02	6
D74182	35.726.08	01	25	G102425	35.701.03		6
D80270	90.108.01	02	11		35.736.02		14
D86664	84.120.01		23		35.736.03		15
D88052	50.104.01		32		35.738.01	03	6
D93716	55.404.01	01	8		35.740.01	02	11
D95142	35.738.01	01	5	G102427	35.732.01	07	6
	35.738.01	02	5	G102428	35.730.03	03	15
D95143	35.701.03		5	G103481	35.736.04		12
	35.736.02		11	G103482	35.736.04		15
	35.736.03		12	G107277	35.740.01	02	12
	35.738.01	03	5	G108512	35.738.01	01	3
	35.740.01	02	6		35.738.01	02	3
D95144	35.739.02		5		35.738.01	03	3
	35.739.03		5	G109298	35.701.03		11
D95145	35.730.01	01	12		35.738.01	01	10
	35.730.03	01	12		35.738.01	02	10
	35.732.01	01	5		35.740.01	02	10
	35.732.01	06	5	G109299	35.739.02		24
D95146	35.730.01	02	12		35.739.03		10
	35.730.03	02	12	G109395	35.730.01	01	5
	35.732.01	07	5		35.730.01	02	5
	35.738.04	01	12		35.730.01	03	5
	35.738.04	02	12		35.730.03	01	5
D95147	35.730.01	03	12		35.730.03	02	5
	35.730.03	03	12		35.730.03	03	5
E135762	27.106.02	02	8		35.732.01	01	11
E135765	27.106.02	02	5		35.732.01	06	11
E135777	27.106.01	01	5		35.732.01	07	11
E135785	27.106.01	01	10		35.736.02		5
	27.106.01	02	10		35.736.03		5
E135809	21.112.01	01	1		35.736.04		5
	21.112.01	02	21		35.738.01	01	11
	21.113.01	01	16		35.738.01	02	11
	21.113.01	02	9		35.738.01	03	11
	21.155.16		11		35.738.04	01	5
	27.110.02	01	6		35.738.04	02	5
	33.110.04		23		35.740.01	02	5
	33.110.05		23	G109908	35.730.01	02	15
	33.110.06		23		35.730.03	02	15
E135810	27.120.02	01	16		35.738.04	01	15
	27.120.02	02	11		35.738.04	02	15
E135827	27.106.02	02	4	G110530	35.730.01	01	9
E43769	55.518.07		6		35.732.01	01	14
	90.150.10		5	G32122	35.736.02		16
F44883	90.100.04		11		35.736.03		17
F45165	90.154.02		8		35.738.01	03	10
	90.156.04		18	G32126	35.739.02		10
	90.156.05		23	G32176	35.739.03		24
F53473	25.100.02	01	13	H434163	35.106.01	01	32
	25.100.02	02	13		35.106.01	02	4
	25.100.02	03	13		41.200.02		26
	44.100.15	01	10		41.200.04		32
	44.100.15	02	8	J903380	05.500.01	01	22
F64198	90.154.02		5	K260177	21.112.01	01	9
	90.156.04		16		21.112.01	02	9
	90.156.05		20		21.113.01	02	5
F64519	55.404.01	01	16		21.113.01	04	9
G100440	35.739.03		16	K261014	27.106.02	01	5
G100443	35.740.01	02	13	K262143	27.106.02	01	9
G100444	35.701.03		17	K395090	27.106.02	01	8
	35.740.01	02	14	K395093	27.120.02	01	5
G100448	35.739.03		17		27.120.02	02	17
G100449	35.701.03		18	K395101	27.120.02	01	13
	35.738.01	01	16		27.120.02	02	6
	35.738.01	02	16	L101181	35.726.12	02	18
	35.740.01	02	15	L11541	35.150.15	01	18
G100711	35.736.04		9		35.701.16		14
	35.738.04	01	9		41.200.04		33
	35.738.04	02	9		50.206.03		31
G101533	35.739.02		6		55.100.02	02	16
	35.739.03		6		55.100.03		3
G101996	35.730.03	01	9		55.404.01	01	9
	35.732.01	06	14		55.404.01	02	12

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
L11541	55.512.14	01	3	NS	35.726.08	01	18
	55.512.14	02	2		35.726.09	01	1
	55.512.16	02	10		35.726.19	01	6
	55.512.17	02	10		35.726.19	01	9
	55.512.17	03	16		35.726.27	01	10
	55.512.21		3		35.730.04	01	30
	55.518.07		10		35.730.04	01	6
	90.150.02	02	13		35.730.04	02	6
	90.160.01		13		35.730.04	03	14
L17985	10.202.01		4		35.732.01	02	23
L18331	10.254.03		5		35.732.01	06	2
	10.254.03		5		35.738.04	02	14
	35.150.15	01	17		35.740.02	01	37
	35.350.02		23		35.750.01		13
	35.701.01	02	15		35.750.01		21
	35.726.08	01	30		35.750.01		5
	35.726.09	01	6		37.140.01		5
	35.726.27	01	17		39.100.01		1
	35.732.01	02	22		39.100.02		1
	35.738.02	01	16		39.105.07		16
	35.738.03	01	16		39.105.07		6
	35.738.03	02	38		39.105.08		19
	35.739.04		28		39.105.08		6
	35.739.05		28		44.511.08		2
	35.740.02	01	38		44.511.08		5
	35.740.02	02	16		55.512.16	01	27
	41.200.01	01	13		55.512.16	03	27
	41.200.01	02	13		90.156.03		21
	50.200.17	01	4		90.156.03		22
	50.200.17	02	4		90.156.03		23
	55.301.07		22		90.160.02		1
	55.301.08		16		90.160.03		1
	55.404.01	02	13	NSS	10.001.02	02	11
	55.512.14	02	21		10.001.02	02	12
	55.514.01		20		10.101.04		1
L18337	10.220.02		12		10.101.04		10
	10.254.12		28		10.103.06		4
	10.406.01	01	24		10.202.03		1
	21.109.02		14		10.218.05	03	5
	27.110.02	01	7		10.250.06		11
	35.726.09	04			10.304.01		11
	50.104.01		25		10.304.01		15
	50.206.03		17		10.304.01		16
	50.206.05		21		10.414.02		9
L302731	41.200.02		27		21.112.01	01	21
	41.200.03		20		21.112.01	01	23
L32100	35.106.01	05	9		21.112.01	01	24
L32418	35.106.01	05	1		21.112.01	02	13
L54563	35.726.30	01	23		21.112.01	02	2
	35.726.36	01	22		21.112.01	02	24
L60224	35.750.02		8		21.112.01	02	25
	90.100.10		21		21.112.04	01	
L71879	55.512.14	03	10		21.112.04	02	
L79937	35.701.13		9		21.113.01	02	6
N13505	44.100.17	01	12A		21.134.01	01	2
N13582	35.106.01	05	6		21.134.01	02	2
N14367	44.100.16	01	2		21.134.05		1
N14373	44.100.16	01	8		21.134.05		2
N7536	27.106.02	01	4		21.134.05		3
NS	10.214.01	01	13		21.134.05		4
	10.214.01	02	17		21.154.01	01	10
	21.113.01	04	7		21.154.01	01	11
	25.102.04	01	1		21.154.01	01	12
	25.102.04	02	5		21.154.01	01	13
	25.102.04	02	6		21.154.01	01	14
	25.102.04	02	7		21.154.01	01	17
	27.100.08	01	2		21.154.01	01	18
	27.100.08	02	2		21.154.01	01	2
	35.106.01	01	9		21.154.01	01	20
	35.106.01	04	19		21.154.01	01	21
	35.150.05		4		21.154.01	01	3
	35.701.07		16		21.154.01	01	3A
	35.701.07		17		21.154.01	01	4
	35.701.09	01	21		21.154.01	01	5
	35.701.09	02	19		21.154.01	01	6
	35.701.09	02	20		21.154.01	01	7
	35.724.07	01	25		21.154.01	01	8
	35.726.08	01	17		21.154.01	01	9

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
NSS	21.154.01	02	10	NSS	21.300.00		5
	21.154.01	02	11		21.300.00		6
	21.154.01	02	12		21.300.00		6
	21.154.01	02	13		21.300.00		9
	21.154.01	02	14		21.300.00		9
	21.154.01	02	17		25.100.08	01	7
	21.154.01	02	18		25.100.08	01	8
	21.154.01	02	2		25.100.08	02	7
	21.154.01	02	20		25.100.08	02	8
	21.154.01	02	21		25.100.16	01	10
	21.154.01	02	3		25.100.16	01	2
	21.154.01	02	3A		25.100.16	01	3
	21.154.01	02	4		25.100.16	01	4
	21.154.01	02	5		25.100.16	01	6
	21.154.01	02	6		25.100.16	01	9
	21.154.01	02	7		25.102.01	01	13
	21.154.01	02	8		25.102.01	01	2
	21.154.01	02	9		25.102.01	02	13
	21.154.09		10		25.102.01	02	2
	21.154.09		11		25.102.01	03	13
	21.154.09		11		25.102.01	03	2
	21.154.09		12		25.310.01	01	17
	21.154.09		12		25.310.01	02	17
	21.154.09		13		33.110.04		21
	21.154.09		14		33.110.05		21
	21.154.09		15		33.110.06		21
	21.154.09		15		35.150.06	02	1
	21.154.09		16		35.150.06	02	2
	21.154.09		17		35.150.08	01	1
	21.154.09		18		35.150.08	01	2
	21.154.09		20		35.701.03		8
	21.154.09		21		35.701.03		9
	21.154.09		22		35.724.04		1
	21.154.09		23		35.724.04		13
	21.154.09		24		35.724.04		14
	21.154.09		25		35.724.04		15
	21.154.09		25A		35.724.04		16
	21.154.09		7		35.724.04		17
	21.154.09		8		35.724.04		18
	21.155.01		10		35.724.04		19
	21.155.01		11		35.724.04		2
	21.155.01		13		35.724.04		20
	21.155.01		14		35.724.04		28
	21.155.01		17		35.724.04		3
	21.155.01		18		35.724.04		4
	21.155.01		20		35.724.04		5
	21.155.01		21		35.724.05		1
	21.155.01		3		35.724.05		14
	21.155.01		3A		35.724.05		15
	21.155.01		4		35.724.05		16
	21.155.01		5		35.724.05		17
	21.155.01		6		35.724.05		18
	21.155.01		7		35.724.05		19
	21.155.01		8		35.724.05		2
	21.155.01		9		35.724.05		20
	21.155.07		10		35.724.05		21
	21.155.07		11		35.724.05		22
	21.155.07		12		35.724.05		3
	21.155.07		15		35.724.05		30
	21.155.07		20		35.724.05		4
	21.155.07		21		35.724.05		5
	21.155.07		22		35.724.05		6
	21.155.07		23		35.724.09		1
	21.155.07		24		35.724.09		2
	21.155.07		25		35.724.09		3
	21.155.07		25A		35.724.09		4
	21.155.07		7		35.724.09	01	1
	21.155.07		8		35.724.09	03	1
	21.300.00		10		35.724.09	03	10
	21.300.00		10		35.724.09	03	11
	21.300.00		11		35.724.09	03	13
	21.300.00		11		35.724.09	03	14
	21.300.00		2		35.724.09	03	15
	21.300.00		2		35.724.09	03	16
	21.300.00		3		35.724.09	03	17
	21.300.00		3		35.724.09	03	18
	21.300.00		4		35.724.09	03	19
	21.300.00		4		35.724.09	03	4

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Number	Figure	Sequence	Ref.	Number	Figure	Sequence	Ref.
NSS	35.724.09	03	7	NSS	84.100.01	04	3
	35.724.09	03	8		84.100.01	04	4
	35.724.10	01	1		84.100.01	04	4
	35.724.10	01	2		84.100.01	06	4
	35.724.10	01	3		90.118.51		14
	35.724.10	01	4	P1139855X	27.106.02	01	7
	35.724.10	01	5	P2745466	21.154.03		21
	35.724.10	02	1		21.154.03		21
	35.724.10	02	2	P2745478	21.154.03		10
	35.724.10	02	3		21.154.03		10
	35.724.10	02	4	P2745478Q	27.106.02	02	2
	35.724.10	02	5	P3533055	21.154.03		20
	35.724.12		1		21.154.03		20
	35.726.12	01	1		21.154.09		20
	35.726.26		10		21.154.09		35
	35.726.26		11		21.155.07		35
	35.726.26		12		21.155.08		44
	35.726.26		13		21.155.15		1
	35.726.26		14	R46493	35.701.02	01	12
	35.726.26		2	R54047	90.156.05		30
	35.726.26		3	R54682	90.118.51		6
	35.726.26		4	REF	10.001.02	02	11
	35.726.26		5		10.001.02	02	12
	35.726.26		6		10.101.04		4
	35.726.26		7		10.105.02		5
	35.726.26		8		10.105.02		6
	35.726.26		9		10.246.01	01	5
	35.726.32		1		10.246.01	02	9
	35.730.01	02	11		10.250.05		7
	35.730.03	01	11		10.402.05		10
	35.730.03	02	10		10.402.05		10
	35.732.01	01	7		10.402.05		4
	35.732.01	01	8		10.402.05		7
	35.732.01	06	7		10.402.05		7
	35.732.01	06	8		10.402.05		8
	35.732.01	07	7		10.402.05		8
	35.732.01	07	8		10.402.05		9
	35.738.01	01	7		10.402.05		9
	35.738.01	01	8		10.414.02		11
	35.738.01	02	7		35.724.03	01	28
	35.738.01	02	8		39.125.01		
	35.738.01	03	7		44.520.03		3
	35.738.01	03	8		44.520.03		3
	35.739.02		7		44.520.03		3
	35.739.02		8		44.520.03		3
	35.739.03		7		84.100.01	04	
	35.739.03		8	S109445	35.736.02		9
	39.125.03		13		35.736.03		9
	39.125.03		18		35.738.01	03	16
	39.125.03		19	S115351	41.204.05		2
	39.125.03		20	S301064	27.100.09		4
	39.125.03		21		27.100.10		4
	39.125.03		25	ST205A	21.154.02		1
	39.125.03		26		21.154.03		6
	39.125.03		31		21.154.03		6
	39.125.03		35		21.154.08		1
	39.125.03		36		21.155.03		1
	39.125.03		8	ST264	21.140.01	01	23
	41.204.05		1		21.140.01	02	23
	41.204.05		3		21.155.14		22
	41.204.05		5				
	41.204.05		6				
	41.216.05	01	2				
	55.301.01		2				
	55.301.01		3				
	55.301.01		4				
	55.408.01		12				
	82.100.02	01					
	82.100.02	01	1				
	82.100.02	01	10				
	84.100.01	01	2				
	84.100.01	01	3				
	84.100.01	03	2				
	84.100.01	03	3				
	84.100.01	03	4				
	84.100.01	04	2				
	84.100.01	04	2				
	84.100.01	04	3				

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