



Groundsmaster[®] 455–D

Traction Unit

Model No. 30455TS—210000301 and Up

Parts Catalog

Ordering Replacement Parts

To order replacement parts, please supply: the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form **a:b**. The **a** represents the reference number of the entire service assembly and the **b** represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number **6**, the tire by **6:1**, the valve by **6:2**, and the wheel by **6:3**. When you order the assembly identified by reference number **6**, you receive all parts identified by reference numbers **6:1**, **6:2**, and **6:3**. However, you may also order any part individually.

Reference numbers of this type appear in illustrations and in part lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form **nX y**. The **n** represents the quantity of the part, the **X** is the multiplication symbol, and the **y** represents the reference number.

For example, in an illustration, the reference number **2X 37** means that two of the parts identified by reference number **37** are indicated.

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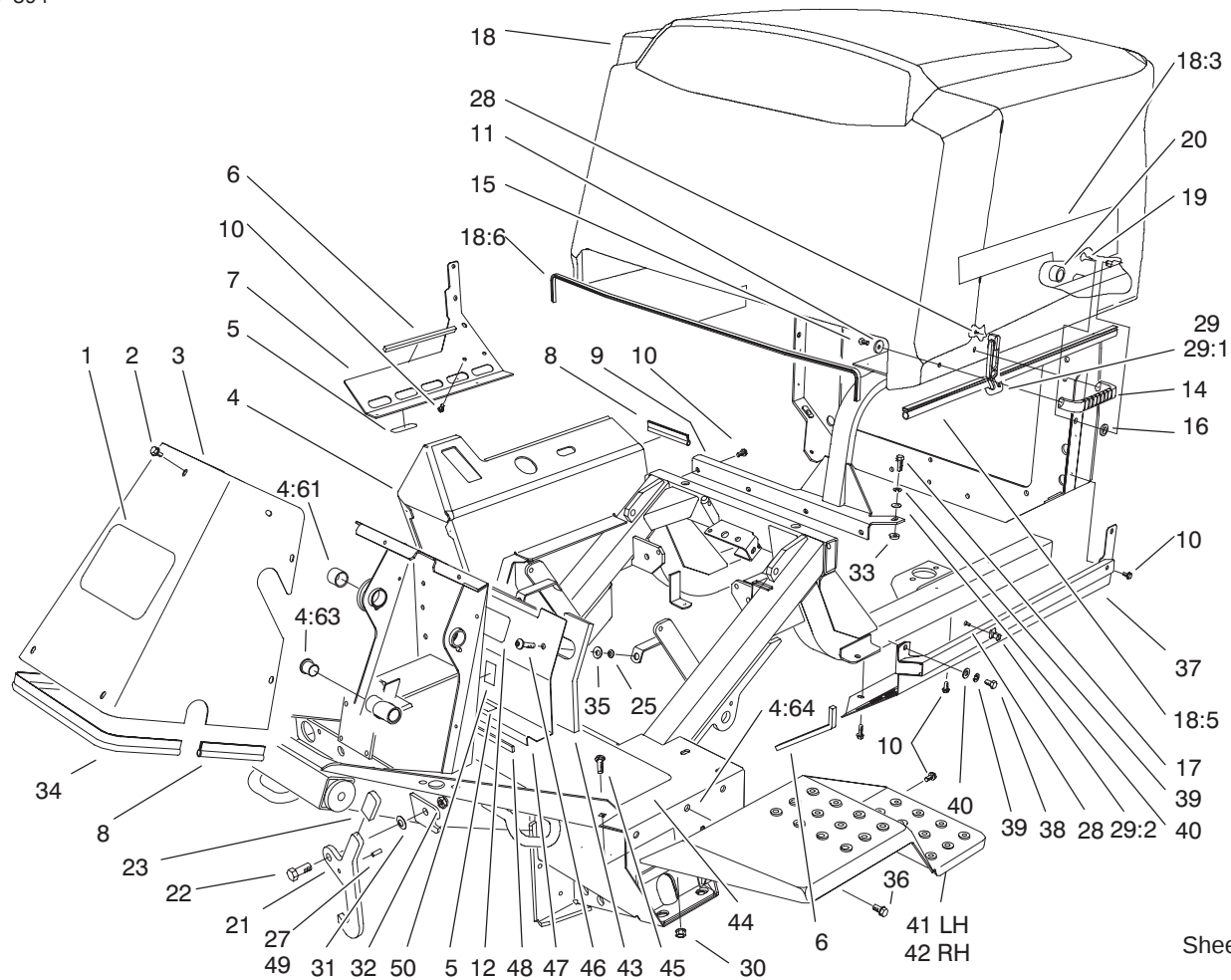
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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning
AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HH	hex head
HHF	hex head flange
HLH	hex lag head
HJ	hex jam
HOC	height-of-cut
HS	hex socket
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	hex washer head thread forming

Abbreviation	Meaning
HYD	hydraulic
INC	incorporated
LH	left hand
NI	nylon insert
PPH	Phillips pan head
PTH	Phillips truss head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SHH	slotted hex head
SQH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
SRH	slotted round head
STD	standard
TAP	self tapping
TTH	Torx truss head
WH	wing head

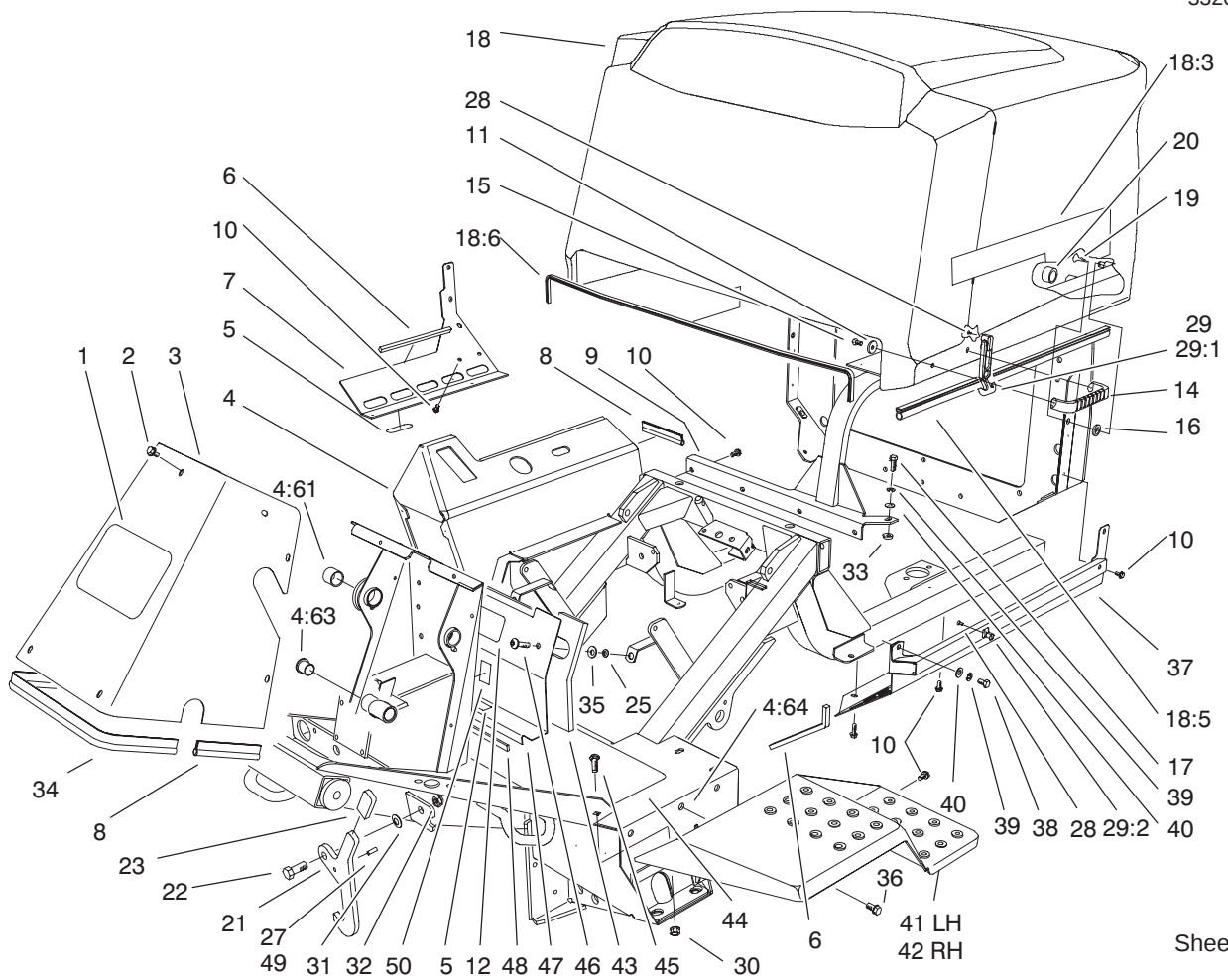


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Frame and Body Assembly

Ref. No.	Part No.	Qty.	Description
1	62-7400	1	Decal-Toro
2	46-6810	9	Screw & Washer ASM
3	76-9700-01	1	Cover-Tower
4	98-7826	1	Frame
4:61	256-237	1	Bushing
4:63	256-10	2	Bushing-Flange
4:64	32148-9	10	Nut-Insert
5	93-6697	2	Decal-Lube
6	68-7573	2	Strip-Sealing
7	94-5601-03	1	Support-Tank, Lower
8	76-6360	2	Strip-Sealing
9	93-7236-03	1	Support-Cleaner, Air
10	32144-11	17	Screw-TAP
11	3256-78	2	Washer-Flat
12	93-9425	1	Decal-Danger
14	65-5100	1	Handle-Door
15	46-8091	2	Screw-HWH
16	83-1470	2	Washer-Neoprene
17	323-6	1	Screw-HH
18	93-7798	1	Hood ASM
18:3	84-1460	2	Decal-Gm455d
18:5	94-5617	2	Strip-Sealing, Hood
18:6	94-5618	1	Trim - Firewall
19	3290-467	2	Pin-Hair
20	94-5613	2	Stop - Rubber
21	93-7203-01	2	Latch - Lockup

Ref. No.	Part No.	Qty.	Description
22	325-5	2	Screw-HH
23	48-7081	2	Grip-Plastic
25	32151-72	2	Ring-Retaining
27	32121-11	2	Pin-Roll
28	3290-359	3	Screw-HWH
29	94-5626	1	Latch-Draw, Flexible
29:1	100-5806	1	Handle-Latch
29:2	100-5807	1	Keeper-Latch
30	3290-357	2	Nut-Flange, Lock
31	3290-483	2	Washer
32	3296-25	2	Nut-Lock NI
33	80-7730	1	Spacer
34	76-6361	1	Strip-Sealing
35	3256-3	2	Washer-Flat
36	3234-12	7	Screw-HHF
37	94-5609-03	1	Cover-Hood, Lower
38	323-4	1	Screw-HH
39	3253-21	2	Washer-Lock
40	3256-24	2	Washer-Flat
41	76-9300-01	1	Fender-LH
42	76-9340-01	1	Fender-RH
43	88-1310	1	Strip-Foam, Cover
44	74-4090	1	Tread-Rest, Foot
45	3231-22	2	Screw-CARR
46	3250-36	2	Screw-PPH
47	100-2596-03	1	Cover-Seat, Front

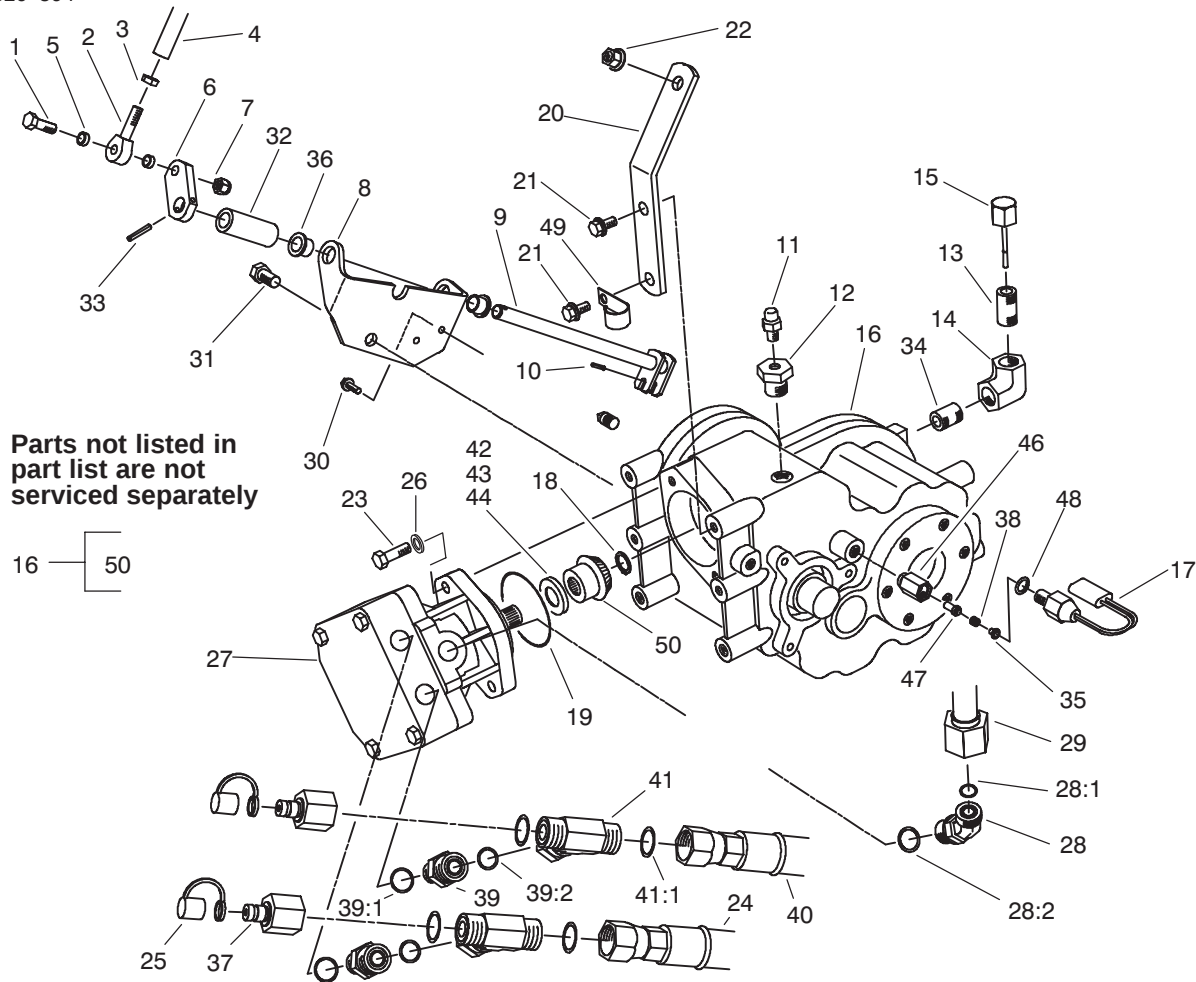


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Frame and Body Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
48	76-6380	1	Seal-Cover, Front
49	32121-36	2	Pin-Spring
50	93-7252	1	Decal-International

Ref. No.	Part No.	Qty.	Description

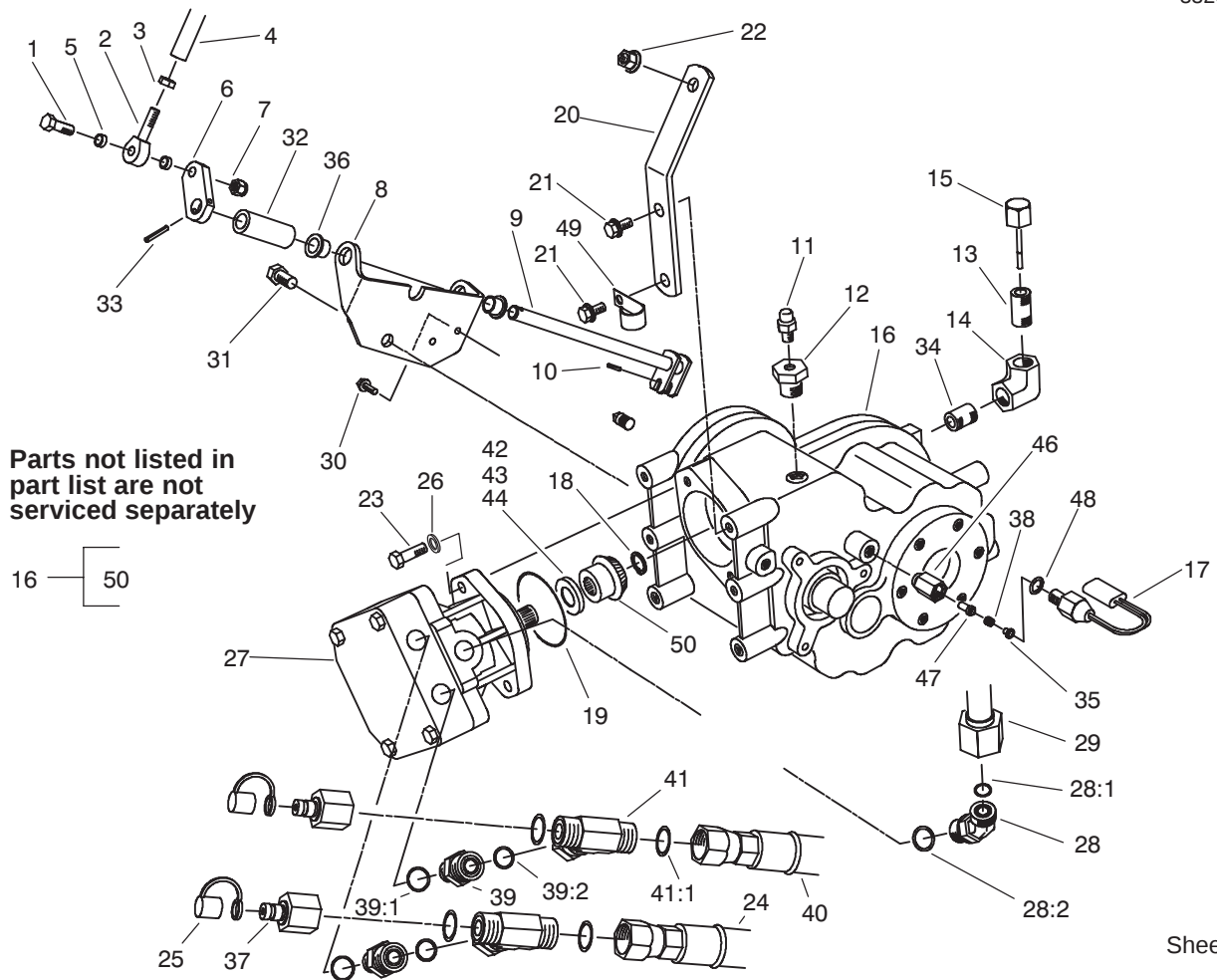


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Front Transaxle Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	323-9	1	Screw-HH
2	2411-36	1	Bearing-End, Rod
3	3220-3	1	Nut-Jam
4	84-0690	1	Rod-Shift
5	76-9100	2	Spacer-Speed, Reel
6	77-4260	1	Link - Shift
7	3296-59	1	Nut-Lock NI
8	84-1610-03	1	Support-Rod, Shift
9	84-0700	1	Rod-Shift
10	32121-24	1	Pin-Spring
11	302-14	1	Fitting-Vent
12	2812-11	1	Bushing-Reducer
13	289-44	1	Nipple-Pipe
14	2813-14	1	Pipe-Elbow, 90
15	27-3710	1	Dipstick
16	99-7566	1	Transaxle-2 Speed
17	72-4320	1	Switch
18	32151-62	1	Ring-Retaining
19	237-167	1	O-Ring
20	84-1600	1	Arm-Lever, Front Axle
21	3234-12	2	Screw-HHF
22	3290-357	1	Nut-Flange, Lock
23	323-7	2	Screw-HH
24	92-5830	1	Traction Hose ASM
25	353-947	2	Cap-Dust, Rubber
26	3256-24	2	Washer-Flat

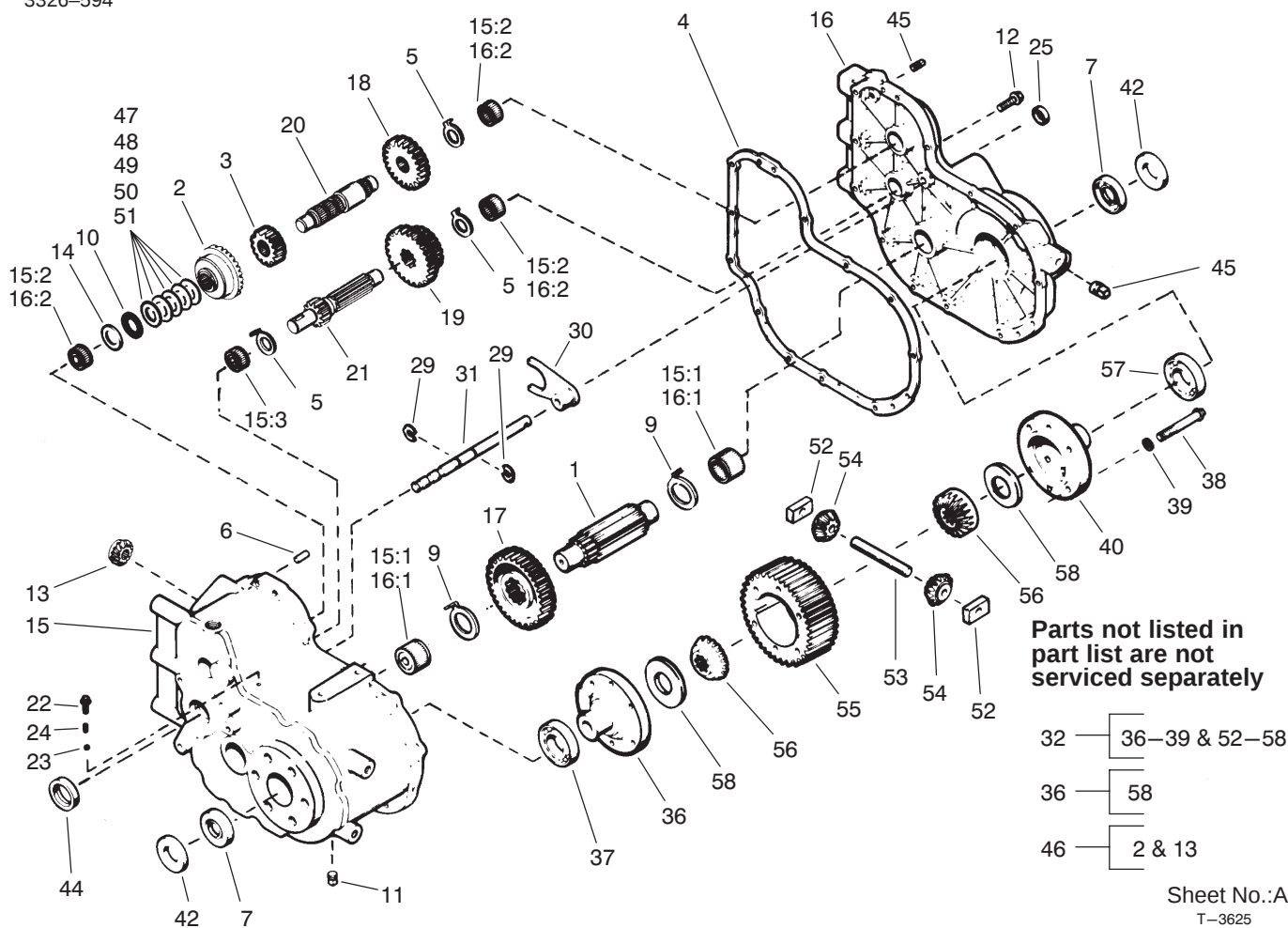
Ref. No.	Part No.	Qty.	Description
27	92-2556-01	1	Motor-HYD, Fixed Displacement
28	340-101	1	Fitting-HYD, 90°
28:1	237-30	1	O-Ring
28:2	237-79	1	O-Ring
29	86-5750	1	Motor Drain Tube ASM
30	3234-4	2	Screw-HHF
31	325-2	1	Screw-HH
32	86-5420	1	Spacer-Rod, Shift
33	32121-6	1	Pin-Roll
34	289-50	1	Nipple-Pipe
35	43-8610	1	Guide
36	3-1506	2	Bushing
37	86-5860	2	Nipple
38	92-1366	1	Spring - Compression
39	340-155	2	Fitting-HYD
39:1	237-79	1	O-Ring
39:2	237-151	1	O-Ring
40	92-7765	1	Traction Tube ASM
41	340-167	2	Fitting-HYD, Tee
41:1	237-65	3	O-Ring
42	82-5380	1	Shim - Pinion, .045
43	82-5390	1	Shim - Pinion, .038
44	82-5400	1	Shim - Pinion, .052
46	92-1364	1	Guide -Switch Pin
47	92-1365	1	Plunger - Switch



Sheet No.:3

Front Transaxle Installation Assembly (Continued)

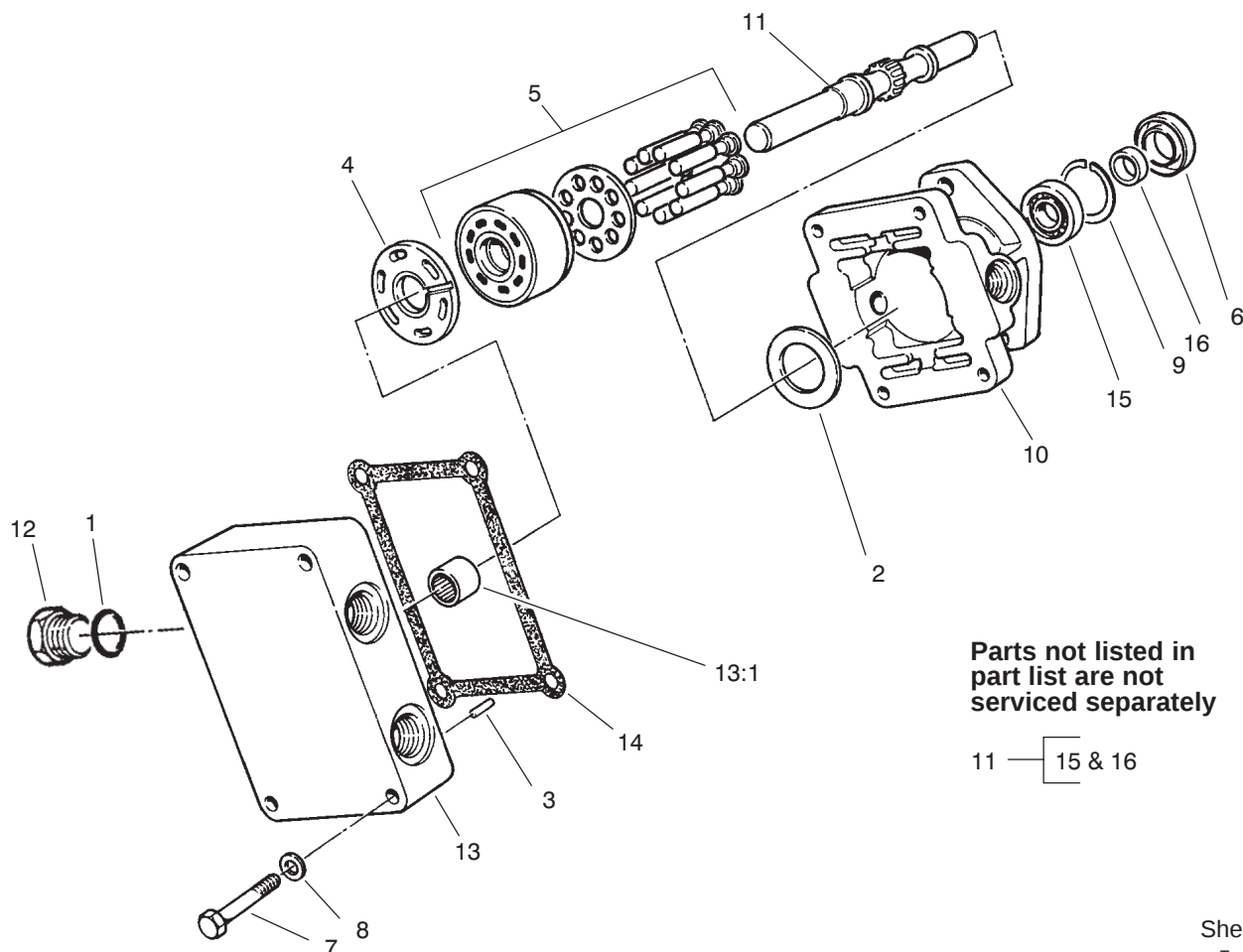
Ref. No.	Part No.	Qty.	Description
48	237-30	1	O-Ring
49	2412-150	1	J-Clip



Transaxle Assembly No. 99-7566

Ref. No.	Part No.	Qty.	Description
1	76-5610	1	Pinion-Output
3	76-5630	1	Gear - Spur
4	76-5640	1	Gasket - Case & Cover
5	76-5650	3	Washer-Thrust
6	76-5660	2	Pin-Dowel
7	76-5670	2	Seal-Oil
9	76-5690	2	Washer-Thrust
10	76-5700	1	Bearing-Thrust
11	76-5710	1	Plug-Drain, Magnetic
12	76-5720	13	Screw-HWHTF
14	76-5680	1	Washer-Thrust
15	92-0639	1	Transaxle Case ASM
15:1	76-5860	2	Bearing-Needle
15:2	76-5870	3	Bearing-Needle
15:3	92-0640	1	Bearing-Needle
16	76-5760	1	Cover ASM-Transaxle
16:1	76-5860	2	Bearing-Needle
16:2	76-5870	3	Bearing-Needle
17	92-0642	1	Gear - Output
18	76-5780	1	Gear-Spur
19	92-0644	1	Gear - Cluster, 19 & 27t
20	92-0641	1	Shaft - Counter
21	92-0645	1	Shifter-Gear & Shaft

Ref. No.	Part No.	Qty.	Description
22	76-5820	1	Screw - HHF
23	76-5830	1	Ball - Steel
24	76-5840	1	Spring-Fork, Shifter
25	76-5850	1	Seal-Oil
29	76-5890	2	Ring-Retaining
30	76-5900	1	Fork-Shift
31	92-0647	1	Rod - Shift, Hi-Low
32	99-7567	1	Differential ASM
36	76-5960	1	Carrier - Differential
37	92-0646	2	Bearing - Ball
38	76-5980	6	Screw - HHF
39	98-3801	6	Washer
40	76-5990	1	Carrier - Differential
42	76-6010	2	Spacer
44	76-6030	1	Seal-Oil
45	76-6040	2	Plug-Pipe
46	84-0080	1	Set-Gear, Matched Spiral
47	76-5680	1	Washer-Thrust
48	76-5740	1	Washer-Thrust
49	84-0090	1	Washer-Thrust
50	84-0130	1	Washer-Thrust
51	84-0140	1	Washer-Thrust



**Parts not listed in
part list are not
serviced separately**

11	15 & 16
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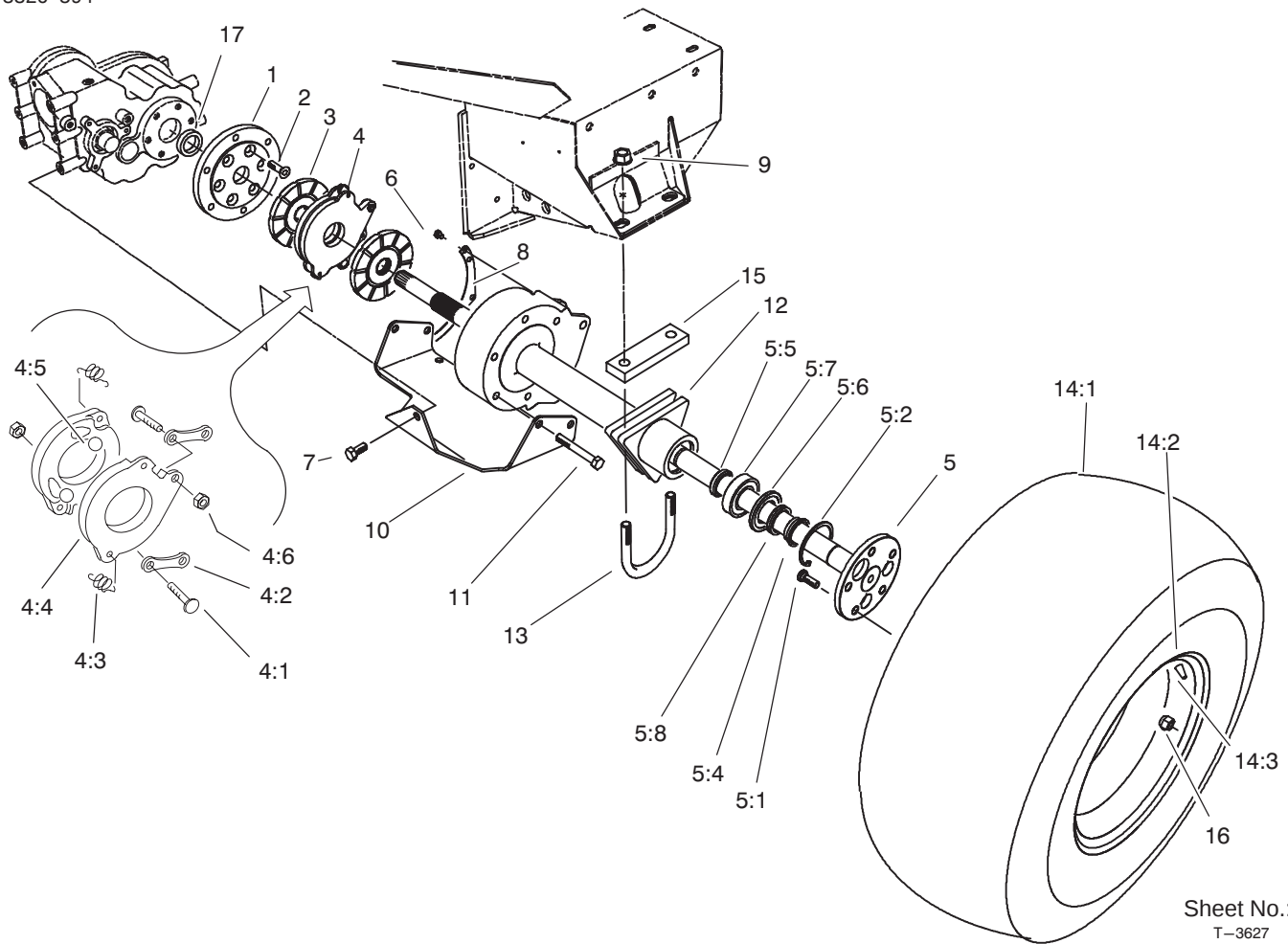
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T-3626

Hydraulic Motor No. 92-2556-01

Ref. No.	Part No.	Qty.	Description
1	237-65	4	O-Ring
2	25-2380	1	Plate-Thrust
3	25-2430	1	Pin-Dowel
4	28-3380	1	Plate-Valve, Motor
5	48-1800	1	Kit-Cylinder Block
6	74-9480	1	Seal - Lip
7	74-9500	4	Screw-HH
8	74-9510	1	Washer - Plain
9	82-4970	1	Ring - Retaining
10	82-4990	1	Housing - Fixed
11	92-0636	1	Shaft ASM
12	92-2571	1	Plug-Steel
13	92-2572	1	Motor Endcap ASM
13:1	77-3640	1	Ball Bearing
14	67-9100	1	Gasket

Ref. No.	Part No.	Qty.	Description



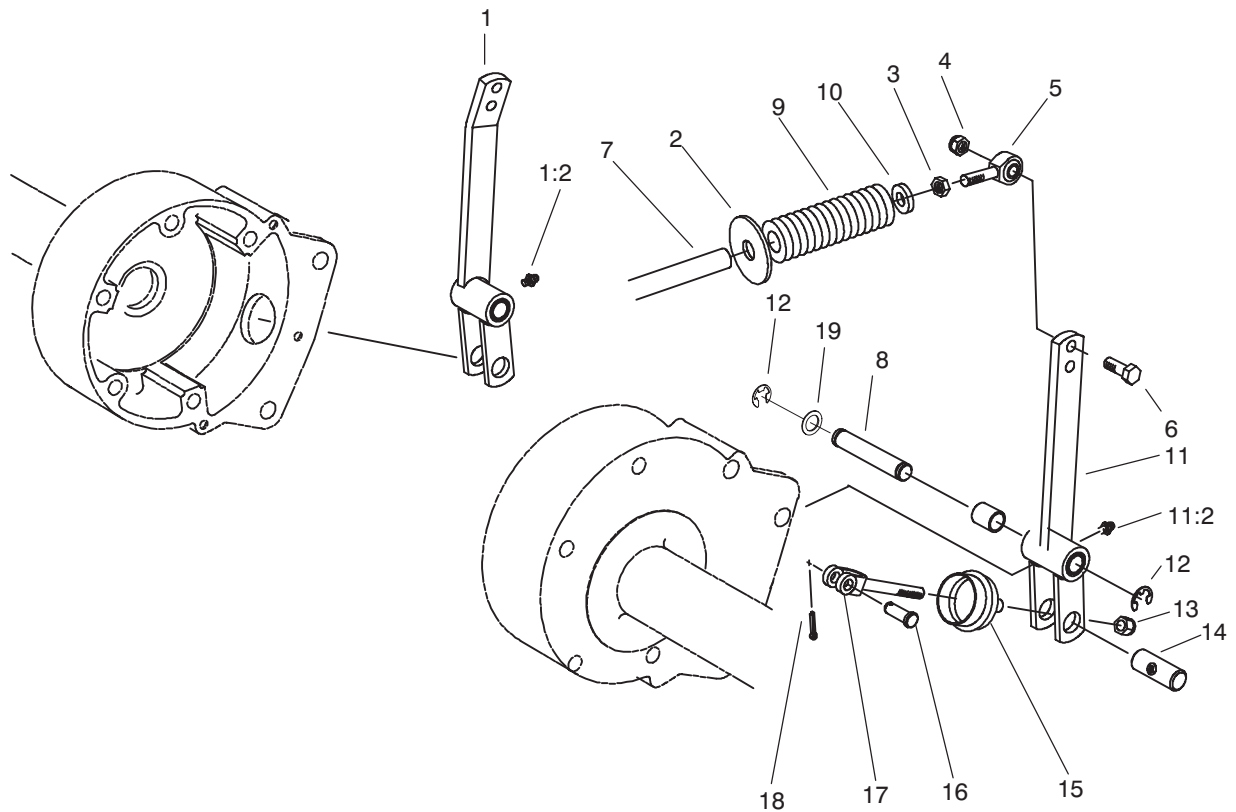
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T-3627

Front Axle Assembly

Ref. No.	Part No.	Qty.	Description
1	76-4240-03	2	Plate - Adapter
2	3274-87	12	Screw-HSFH
3	74-3640	4	Disc-Middle
4	74-3630	2	Disc-Actuating
4:1	92-7774	2	Stud
4:2	92-7775	2	Link
4:3	92-7776	2	Spring - Extension
4:4	92-7777	2	Disc - Actuating
4:5	92-7773	3	Ball
4:6	69-9940	2	Nut-HJ
5	92-9714	2	Axle ASM-Flanged
5:1	242-34	5	Stud-Drive
5:2	32151-76	1	Ring-Retaining
5:4	92-9706	1	Spacer-Axle, Flanged
5:5	92-9708	1	Collar - Bearing
5:6	92-9709	1	Spacer - Bearing
5:7	92-9710	1	Bearing
5:8	92-9712	1	Seal, V-Ring
6	3234-30	6	Screw-HHF
7	325-4	1	Screw-HH
8	76-8300-03	2	Cover-Housing, Axle
9	32128-50	4	Nut - Flange
10	86-5430-03	1	Plate-Skid
11	325-15	10	Screw-HH
12	92-9704-03	2	Housing-Axle
13	84-1590	2	U-Bolt, Front Axle

Ref. No.	Part No.	Qty.	Description
☆14		2	Tire & Wheel ASM
14:1	86-5900	1	Tire
14:2	217-124	1	Wheel ASM
14:3	232-27	1	Stem-Valve
15	84-1620-03	2	Plate-Support, Axle
16	23-7270	10	Nut-Wheel
17	76-6010	2	Spacer

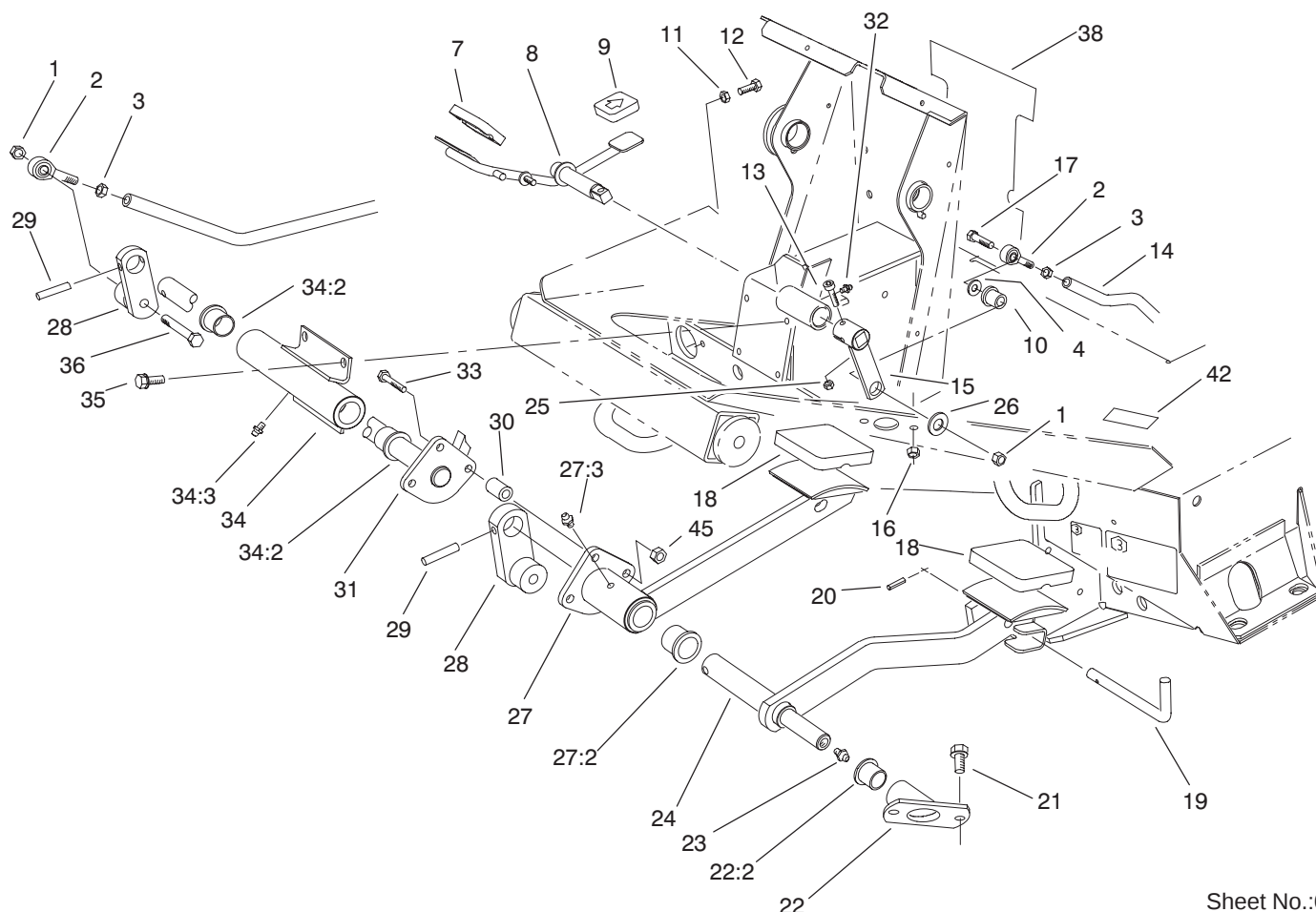
☆ Not serviced



Sheet No.:5

Brake Linkage Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	84-0940	1	Fork-Brake, RH				
1:2	302-5	1	Fitting-Grease				
2	86-5840	2	Plate-Spring				
3	3220-3	2	Nut-Jam				
4	3296-59	2	Nut-Lock NI				
5	2411-36	2	Bearing-End, Rod				
6	323-7	2	Screw-HH				
7	76-9690-03	2	Rod-Brake				
8	84-0990	2	Pin-Pivot				
9	86-5830	2	Spring-Compression				
10	66-6480	2	Washer				
11	84-0970	1	Fork-Brake, LH				
11:2	302-5	1	Fitting-Grease				
12	32120-19	4	E-Ring				
13	3296-39	2	Nut-Lock, NI				
14	76-8270	2	Pin - Brake				
15	76-4180	2	Boot-Rod, Brake				
16	283-2	2	Pin-Clevis				
17	76-6610	2	Clevis				
18	3272-6	2	Pin-Cotter				
19	3256-69	2	Washer-Flat				

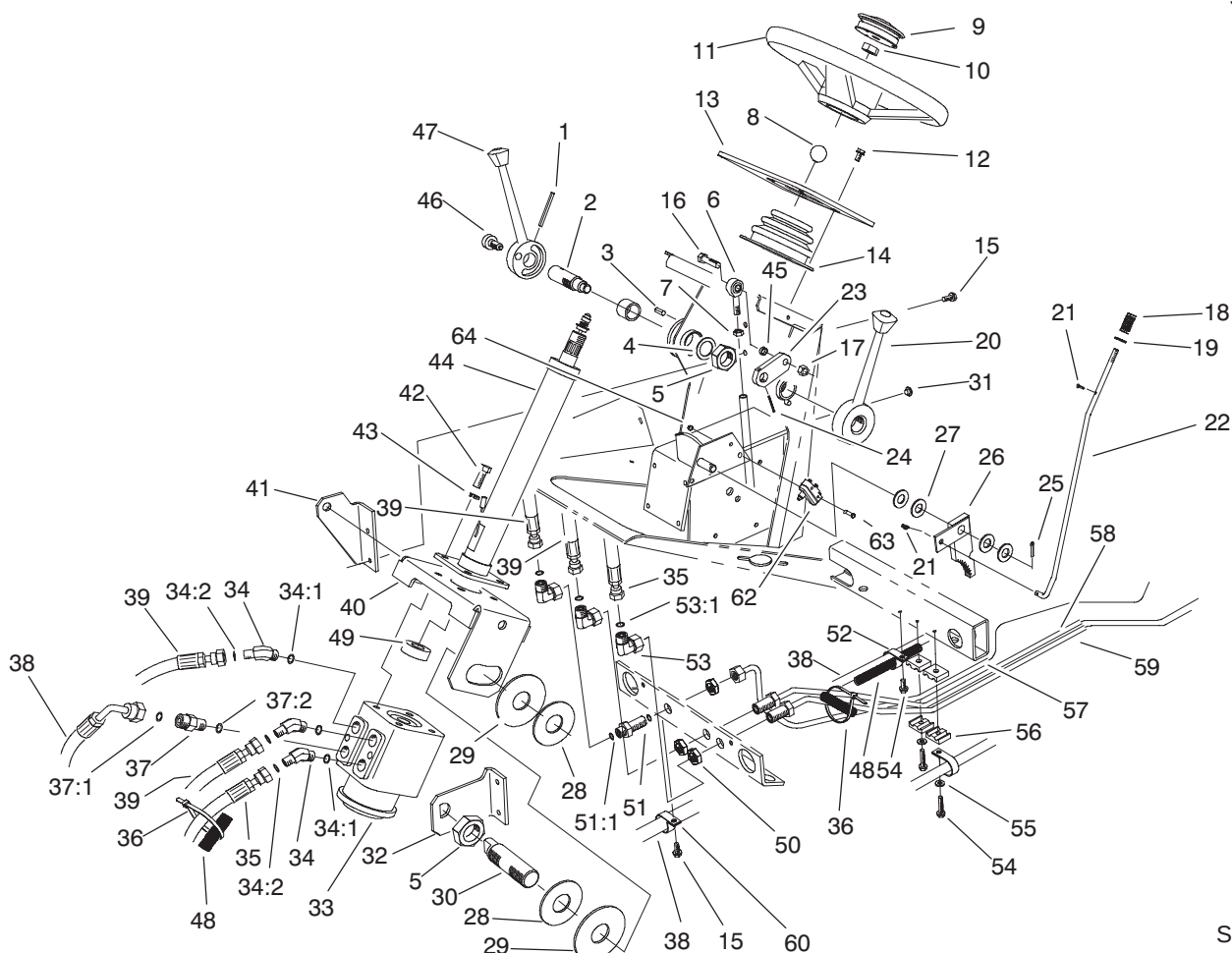


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Traction and Brake Pedals Assembly

Ref. No.	Part No.	Qty.	Description
1	3296-59	3	Nut-Lock NI
2	2411-36	3	Bearing-End, Rod
3	3220-3	3	Nut-Jam
4	3256-3	1	Washer-Flat
7	74-9100	1	Pad-Pedal, Forward
8	82-5190-03	1	Pedal-Traction
9	74-9110	1	Pad-Pedal, Reverse
10	63-9751	1	Mount
11	3218-2	2	Nut-Jam
12	322-4	2	Screw-HH
13	3274-19	1	Screw-HSH
14	88-1160-03	1	Rod-Control
15	92-1367	1	Lever-Traction
16	32128-20	2	Nut-HF
17	323-9	1	Screw-HH
18	82-4960	2	Pad-Foot, Brake
19	63-7880	1	Pin-Latch, Brake
20	32121-50	1	Pin-Spring
21	3234-14	2	Screw-HHF
22	76-9680	1	Hub-Brake
22:2	256-90	1	Bushing-Flange
23	302-2	1	Fitting-Grease
24	92-5804-01	1	Pedal-Brake, LH
25	3296-42	1	Nut-Lock, NI
26	63-8410	1	Washer
27	92-5805	1	Pedal-Brake, RH

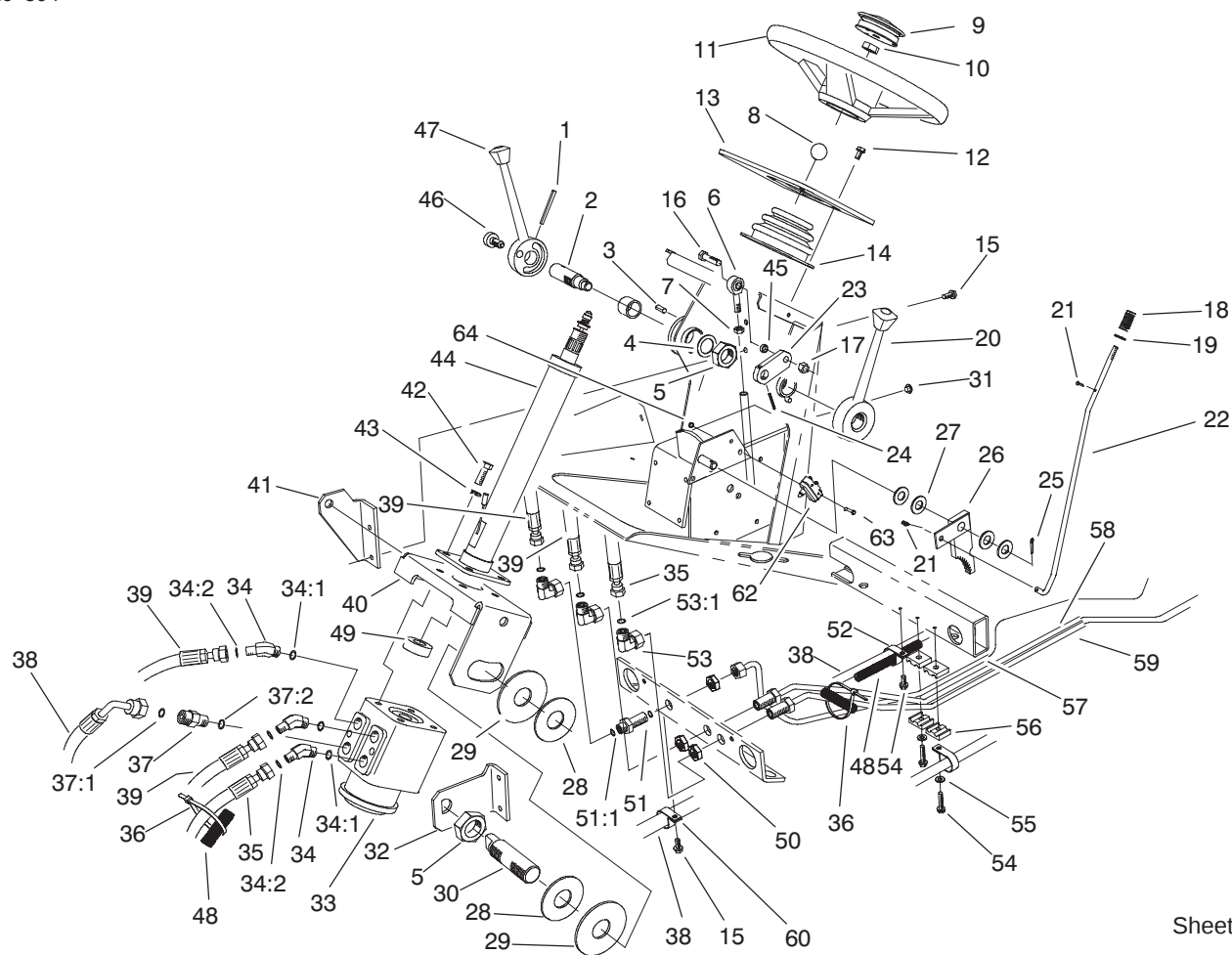
Ref. No.	Part No.	Qty.	Description
27:2	256-10	2	Bushing-Flange
27:3	302-5	1	Fitting-Grease
28	92-2586-01	2	Lever-Brake
29	32121-25	2	Pin-Roll
30	66-1140	3	Hub-Adjustment
31	92-5806-01	1	Shaft-Brake
32	302-5	3	Fitting-Grease
33	322-21	3	Screw-HH
34	76-9030	1	Brake Support ASM
34:2	256-10	2	Bushing-Flange
34:3	302-5	1	Fitting-Grease
35	32144-11	4	Screw-TAP
36	323-12	2	Screw-HH
38	93-9423	1	Decal-Safety
42	93-9414	1	Decal-Warning
45	32152-1	3	Nut-Lock, NI



Sheet No.:7

Steering Tower Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	32121-10	1	Pin-Roll	26	63-7900-03	1	Rack
2	74-5790	1	Shaft-Pivot	27	3256-26	4	Washer-Flat
3	32121-123	2	Pin-Roll	28	20-9500	2	Washer
4	10-8110	1	Washer-Thrust	29	83-0740	2	Disc-Friction
5	3296-49	2	Nut-Lock NI	30	76-8340	1	Shaft-Pivot, Steering
6	2411-36	1	Bearing-End, Rod	31	2410-64	2	Plug-Button
7	3220-3	1	Nut-Jam	32	76-8150-03	1	Support-Shaft, Steering
8	233-17	1	Knob	33	92-9729	1	Steering Control ASM
9	72-0130	1	Kit-Horn	34	340-138	3	Fitting-HYD, 45°
10	47-6990	1	Nut	34:1	237-79	1	O-Ring
11	68-8080	1	Wheel-Steering	34:2	237-22	1	O-Ring
12	32144-4	4	Screw-HWH	35	86-3210	1	Hose ASM
13	93-9415	1	Panel-Control, Tower	36	3290-378	2	Tie-Cable
14	76-9450	1	Boot-Column, Steering	37	59-6430	1	Valve-Check
15	32144-11	6	Screw-TAP	37:1	237-22	1	O-Ring
16	323-8	1	Screw-HH	37:2	237-79	1	O-Ring
17	3296-59	1	Nut-Lock NI	38	86-5570	1	Hose ASM
18	95-1821-03	1	Spring-Compression	39	86-3220	2	Hose ASM
19	3256-22	1	Washer-Flat	40	76-8140-03	1	Bracket-Gear, Steering
20	69-1560-03	1	Lever-Lock	41	76-8160-03	1	Support-Gear, Steering
21	3272-5	2	Pin-Cotter	42	323-6	4	Screw-HH
22	76-9050	1	Rod-Brake, Park	43	3253-21	4	Washer-Lock
23	84-0680	1	Link-Shift	44	74-3670	1	Steering Column ASM
24	32121-6	1	Pin-Roll				
25	3272-10	1	Pin-Cotter				

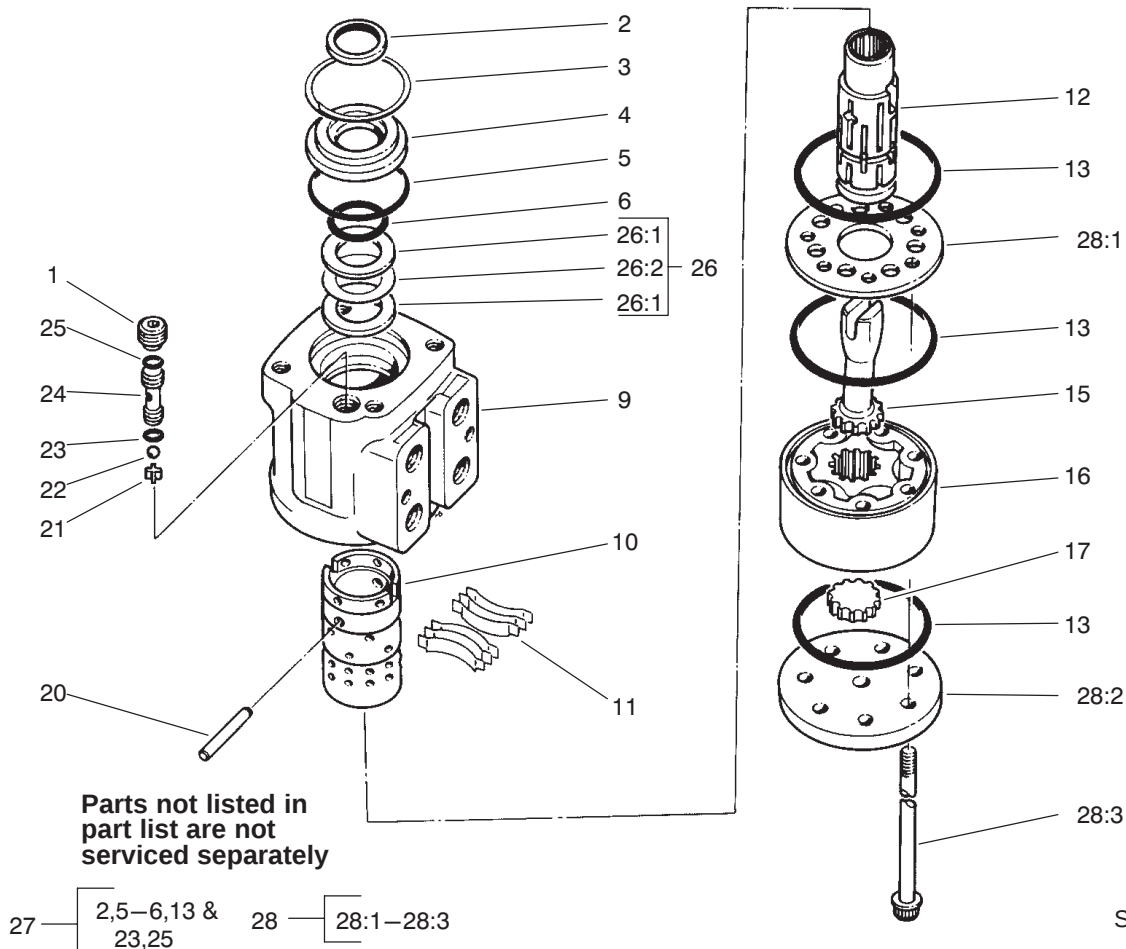


Sheet No.:7

Steering Tower Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
45	76-9100	1	Spacer-Speed, Reel
46	82-4950	1	Plunger-Spring
47	74-5770-03	1	Lever-Shift
48	104-7415	1	Harness-Wire, Front
49	21-9260	1	Cover-Dust
50	340-70	3	Locknut-Bulkhead
51	340-71	1	Fitting-Straight, Bulkhead
51:1	237-22	2	O-Ring
52	2412-74	1	R-Clamp
53	340-159	3	Fitting-HYD, 90°
53:1	237-22	2	O-Ring
54	32144-57	2	Screw
55	3256-71	2	Washer-Flat
56	56-7973	4	Clamp-Tube
57	94-8299	1	Steering Tube ASM
58	86-5730	1	Tube ASM-RH Front
59	86-5740	1	Tube ASM-LH Front
60	2412-104	1	R-Clamp
62	29-6163	1	Switch-Micro
63	3249-11	2	Screw
64	3296-9	2	Nut-Lock NI

Ref. No.	Part No.	Qty.	Description

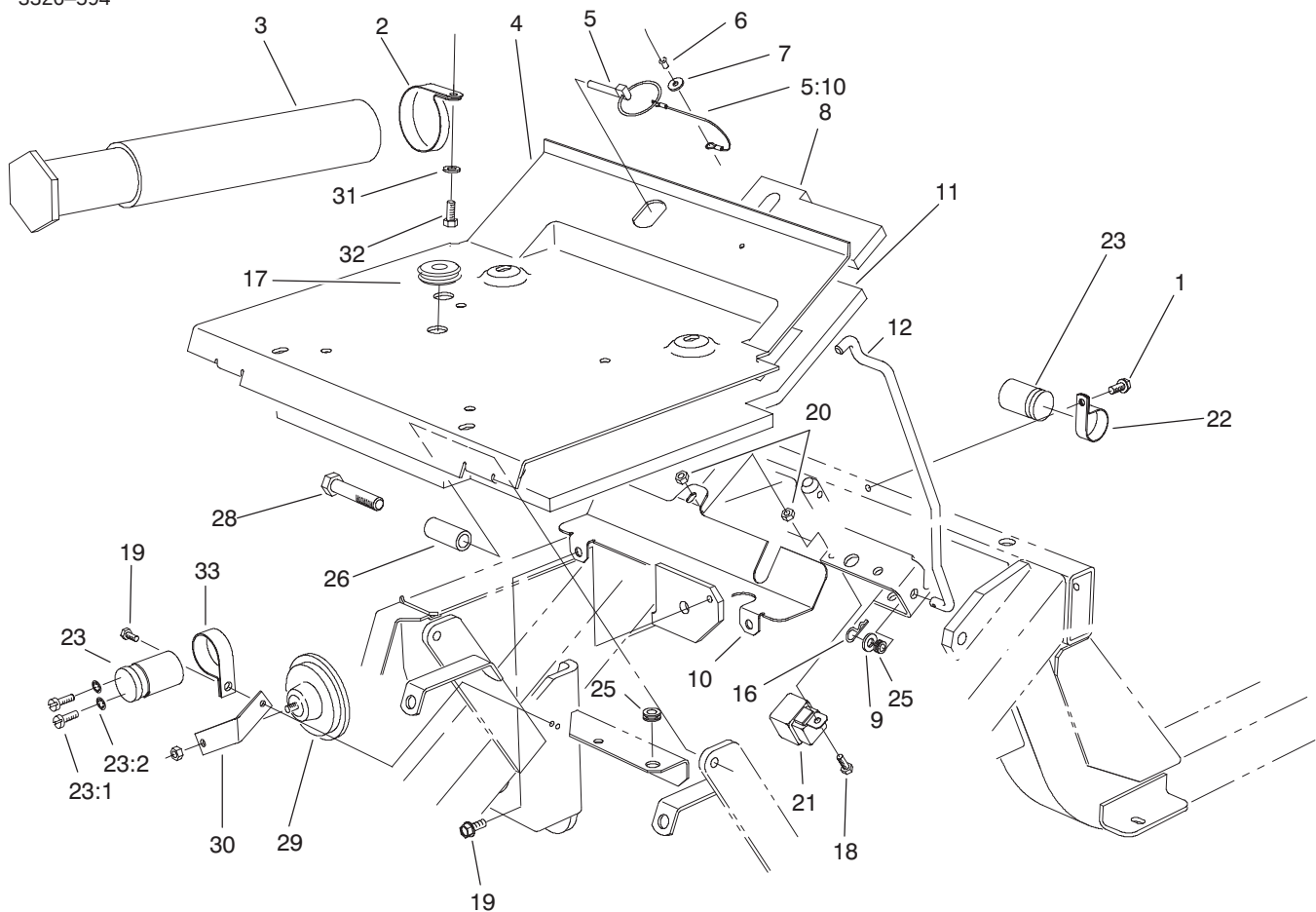


Sheet No.:A3
T-3629

Power Steering Valve Assembly No. 92-9729

Ref. No.	Part No.	Qty.	Description
1	52-9260	1	Screw-Set
3	52-9230	1	Ring-Retaining
4	52-9240	1	Bushing
11	59-6820	1	Kit-Spring, Centering
15	52-9320	1	Drive
16	76-6300	1	Gerotor ASM
17	76-6320	1	Spacer
20	59-6830	1	Pin-Kit, Centering
21	52-9290	1	Retainer-Checkball
22	52-9280	1	Checkball
24	52-9270	1	Seat-Checkball
26	52-9250	1	Kit-Bearing
26:1	59-6730	2	Race
26:2	59-6740	1	Bearing
27	92-9749	1	Kit-Seal
28	92-9745	1	Kit - End Cap
28:1	92-9732	1	Plate - Wear
28:2	92-9730	1	Cap - End
28:3	92-9736	7	Screw - Cap

Ref. No.	Part No.	Qty.	Description

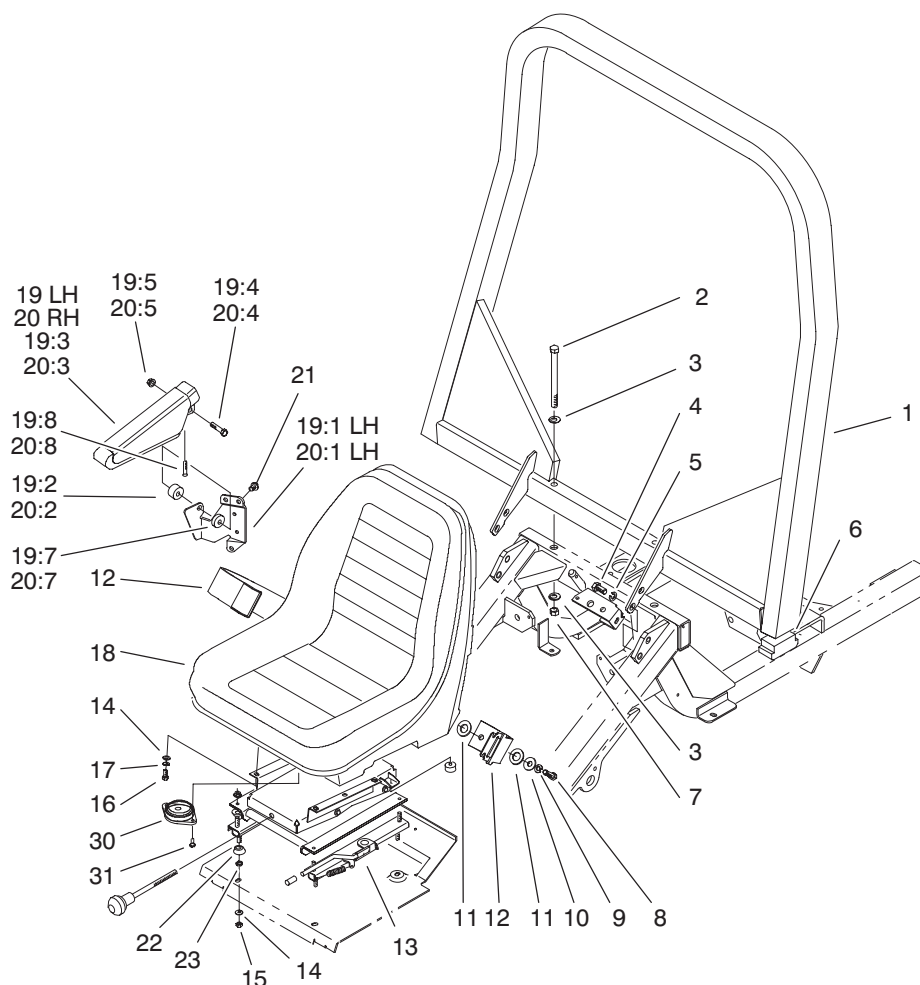


Sheet No.:8

Seat Plate Assembly

Ref. No.	Part No.	Qty.	Description
1	32104-82	1	Screw-HHF
2	2412-133	2	R-Clamp
3	74-0720	1	Tube-Manual
4	76-9460-03	1	Plate-Seat
5	77-3780	1	Pin ASM
5:10	28-8070	1	Lanyard
6	3290-282	1	Rivet-Pop, Steel
7	3256-49	1	Washer-Flat
8	76-9930	1	Foam - Center
9	3256-24	1	Washer-Flat
10	86-2860-03	1	Cover-Belt, Upper
11	82-4900	1	Foam-Seat, Rear
12	76-9440	1	Rod-Prop, Seat
16	3290-307	1	Pin-Hair
17	240-5	1	Grommet
18	321-5	1	Screw-HH
19	32144-11	3	Screw-TAP
20	32128-33	2	Nut-HF
21	70-1480	1	Relay
22	2412-74	1	R-Clamp
23	37-2690	2	Capacitor
23:1	3252-18	2	Screw
23:2	3254-1	2	Washer-Lock, Internal
25	237-136	2	Grommet
26	76-9480	2	Sleeve-Pivot, Seat
28	325-9	2	Screw-HH

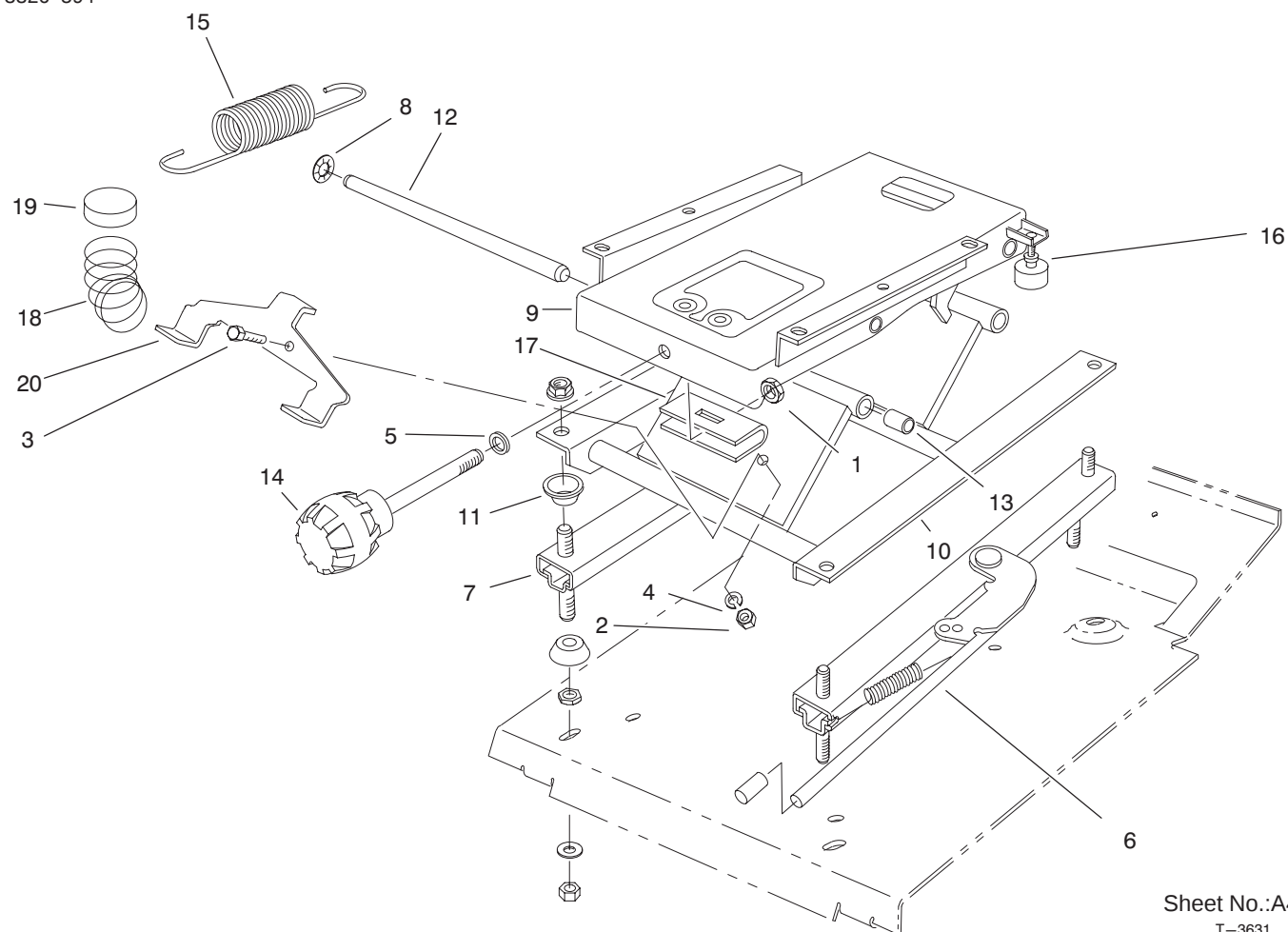
Ref. No.	Part No.	Qty.	Description
29	48-4590	1	Disc-Horn
30	74-8910	1	Bracket-Horn
31	3256-23	2	Washer-Flat
32	322-2	2	Screw-HH
33	2412-74	1	R-Clamp



Sheet No.:9
T-3630

Seat and Roll-Over-Protection-System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	76-9370-03	1	Rops-2 Post	20	92-7306	1	Armrest ASM-RH
2	325-33	2	Screw-HH	20:1	69-0770	1	Bracket-Arm, RH
3	3256-26	4	Washer-Flat	20:2	92-7301	1	Spacer
4	325-2	4	Screw-HH	20:3	69-1180	1	Armrest
5	3253-7	4	Washer-Lock	20:4	323-9	1	Screw-HH
6	82-5370	2	Foam-Rops	20:5	32128-19	1	Nut-HF
7	3296-25	2	Nut-Lock NI	20:7	3256-24	1	Washer-Flat
8	3212-5	2	Screw-HH	20:8	92-7318	1	Screw-Pth
9	3253-6	2	Washer-Lock	21	3234-14	6	Screw-HHF
10	3256-5	2	Washer-Flat	22	66-9290	4	Spacer-Suspension
11	3256-28	2	Washer-Flat	23	3218-2	4	Nut-Jam
12	21-4191	1	Seat Belt ASM	30	92-6282	1	Switch-Seat
13	76-1970	1	Suspension-Seat	31	3234-33	2	Screw-HHF
14	3256-2	8	Washer-Flat				
15	3296-29	4	Nut-Lock, NI				
16	322-3	4	Screw-HH				
17	3253-4	4	Washer-Lock				
18	104-4620	1	Seat-Olympic, Toro				
19	92-7307	1	Armrest ASM-LH				
19:1	69-0760	1	Bracket-Arm, LH				
19:2	92-7301	1	Spacer				
19:3	69-1180	1	Armrest				
19:4	323-9	1	Screw-HH				
19:5	32128-19	1	Nut-HF				
19:7	3256-24	1	Washer-Flat				
19:8	92-7318	1	Screw-Pth				



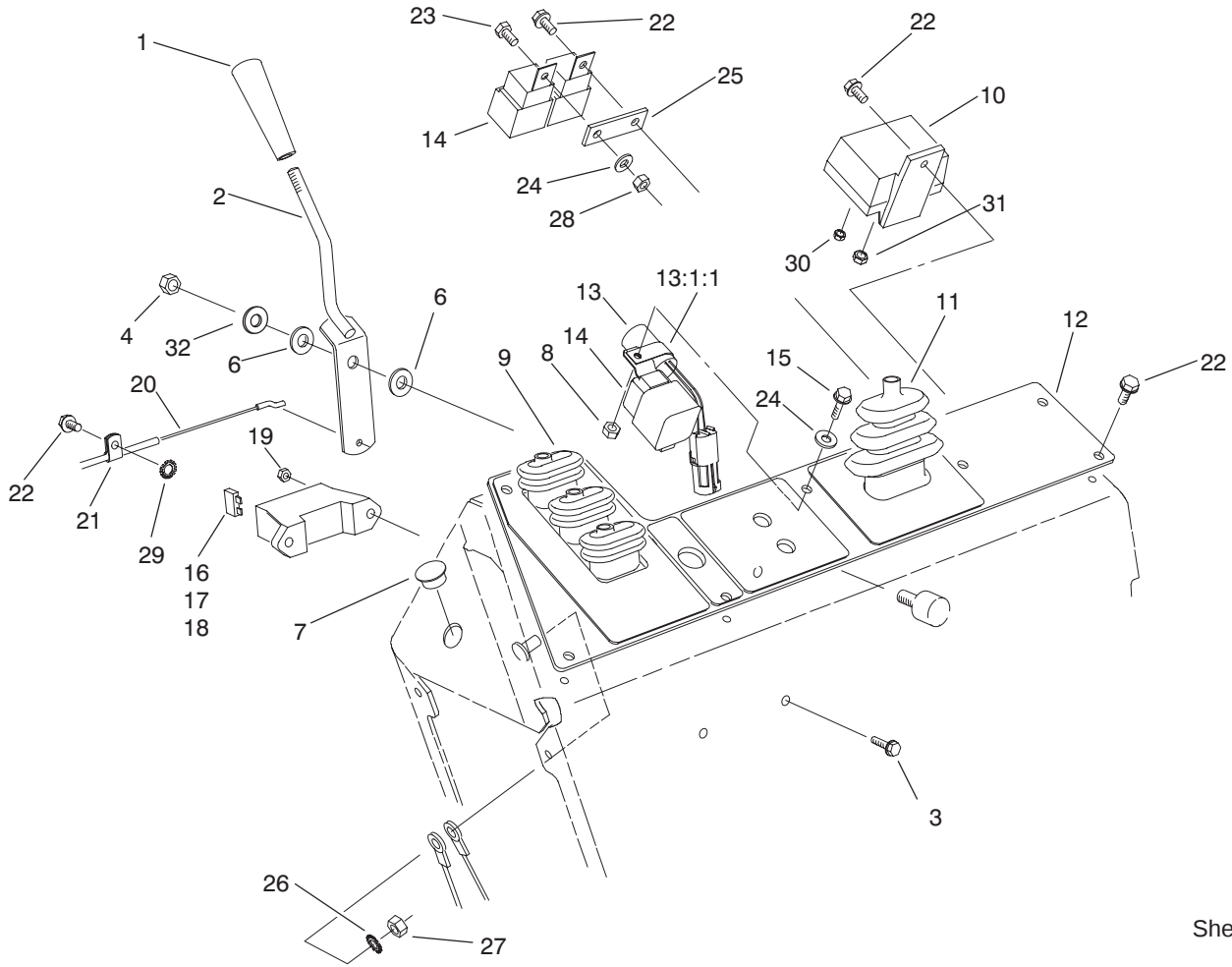
Sheet No.:A4

T-3631

Mini Suspension Assembly No. 76-1970

Ref. No.	Part No.	Qty.	Description
1	32153-2	1	Nut-Lock
2	3217-6	1	Nut-Hex
3	322-6	1	Screw-HH
4	3253-33	1	Washer-Lock
5	3256-24	1	Washer-Flat
6	66-8510	1	Adjuster W/Handle
7	66-8530	1	Adjuster
8	66-8560	4	Nut-Push
9	66-8600	1	Frame-Upper
10	66-8610	1	Frame-Lower
11	66-9290	4	Spacer-Suspension
12	76-1910	2	Shaft-Pivot
13	76-1920	4	Sleeve-Bearing
14	76-1930	1	Knob-Adjuster, Tension
15	76-1940	2	Spring-Extension
16	76-2940	2	Bumper
17	77-2870	1	Hanger-Spring
18	93-3163	2	Spring
19	93-3164	2	Cap
20	93-3165	1	Bracket

Ref. No.	Part No.	Qty.	Description



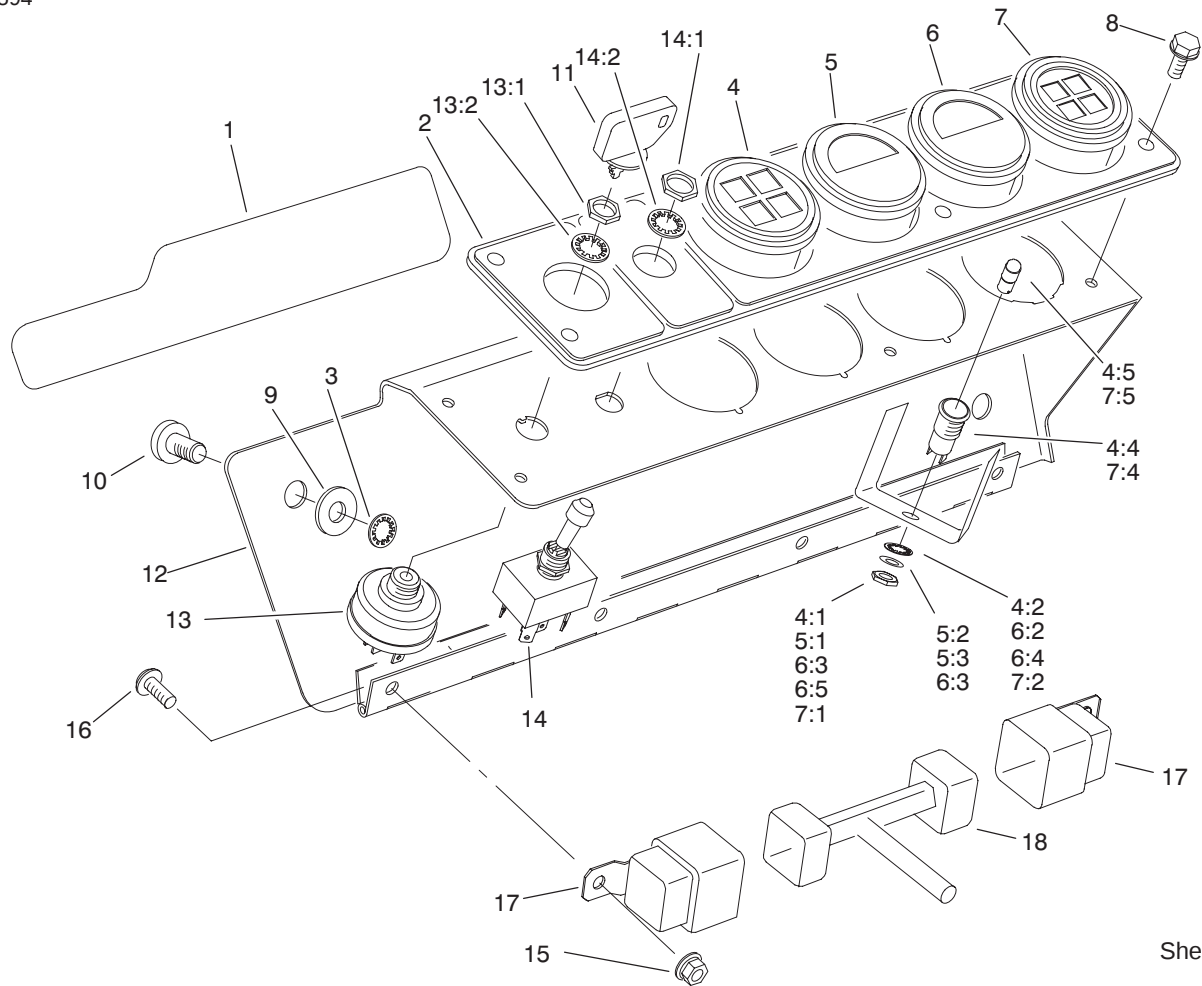
Sheet No.:10

Control Console Assembly

Ref. No.	Part No.	Qty.	Description
1	233-39	1	Knob-Control
2	76-4300	1	Lever-Throttle
3	3290-126	2	Screw
4	3296-44	1	Nut-Lock, NI
6	52-2900	2	Washer
7	94-5627	1	Plug
8	32128-33	1	Nut-HF
9	76-8450	1	Boot-Lever, Lift
10	76-5260	1	Relay-Plug, Glow
11	76-8440	1	Boot-Throttle
12	93-9422	1	Panel - Console
13	83-2280	1	Timer-Delay
★13:1		1	Timer-Delay
13:1:1	98-4604	1	R-Clamp
14	70-1480	3	Relay
15	32144-86	1	Screw-HH
16	218-573	2	Fuse-5 Amp
17	218-581	1	Fuse - 15 Amp, 32 Volt
18	218-593	1	Fuse-30 Amps
19	3296-12	2	Nut-Lock
20	74-5480	1	Cable-Throttle
21	2412-31	1	Clamp-Boden
22	32144-4	10	Screw-HWH
23	321-2	1	Screw-HH
24	3256-78	1	Washer-Flat

Ref. No.	Part No.	Qty.	Description
25	77-3970	1	Spacer - Relay
26	3255-8	1	Washer-Lock/Ext
27	3296-47	1	Nut-Lock, NI
28	3296-42	1	Nut-Lock, NI
29	3255-7	1	Washer-Lock/Ext
30	48-7880	1	Nut-Hex
31	48-7890	1	Nut
32	3256-35	1	Washer-Flat

★ Not serviced



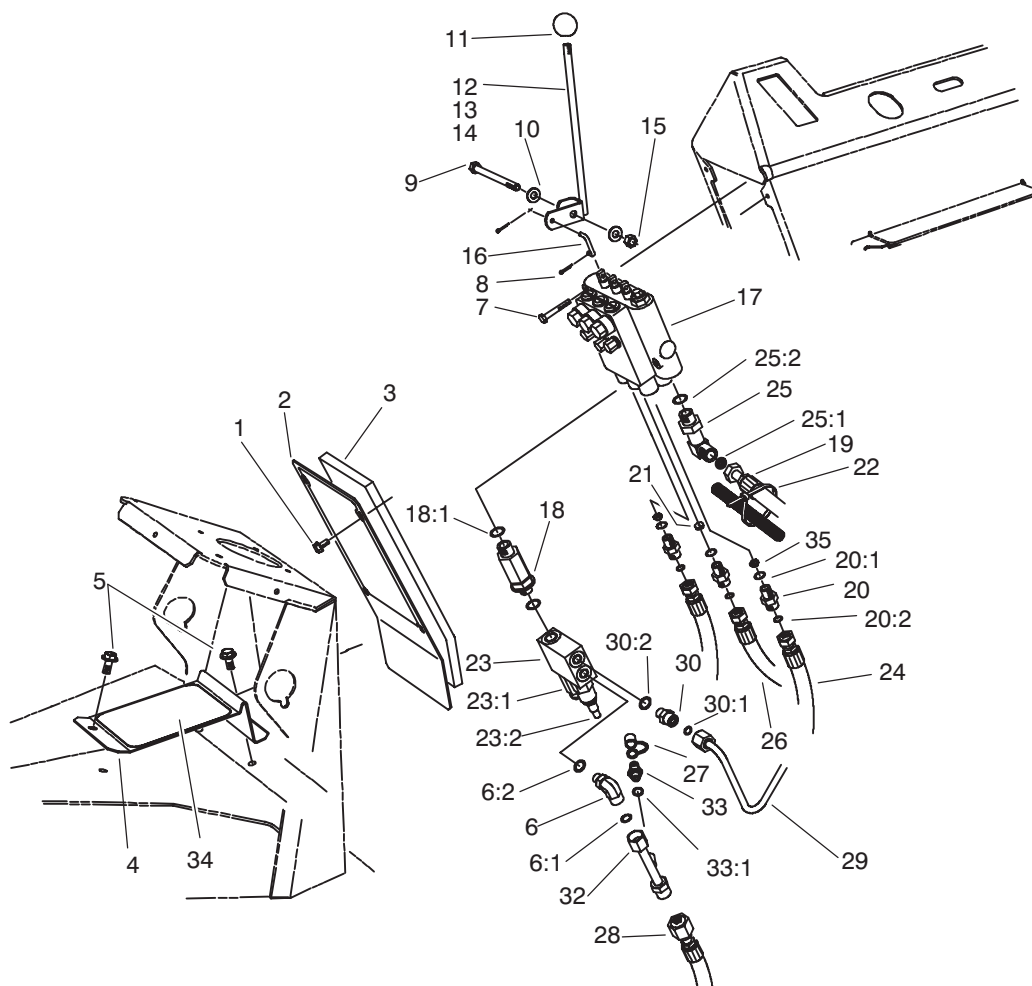
Sheet No.:11

T-3632

Gage Panel Assembly

Ref. No.	Part No.	Qty.	Description
1	92-6564	1	Decal – 4 Matic
2	93-9416	1	Panel – Console, Gauges
3	32151-72	2	Ring–Retaining
4	93-7483	1	Lamp–Cluster
4:1	3217-26	1	Nut–Hex
4:2	3254-1	1	Washer–Lock, Internal
4:4	87-6270	4	Socket–Light
4:5	219-17	4	Bulb
5	76-9060	1	Gauge–Temperature
5:1	3219-14	6	Nut–Hex
5:2	3253-2	5	Washer–Lock/Sp
5:3	3256-14	2	Washer–Flat
6	66-2940	1	Gauge–Fuel
6:2	3254-1	2	Washer–Lock, Internal
6:3	3217-27	2	Nut–Hex
6:4	3255-24	3	Washer–Lock/Ext
6:5	3217-16	3	Nut–Hex
7	93-7484	1	Cluster–Lamp
7:1	3217-26	1	Nut–Hex
7:2	3254-1	1	Washer–Lock, Internal
7:4	87-6270	4	Socket–Light
7:5	219-17	4	Bulb
8	32144-4	6	Screw–HWH
9	3256-24	2	Washer–Flat
10	3250-36	2	Screw–PPH

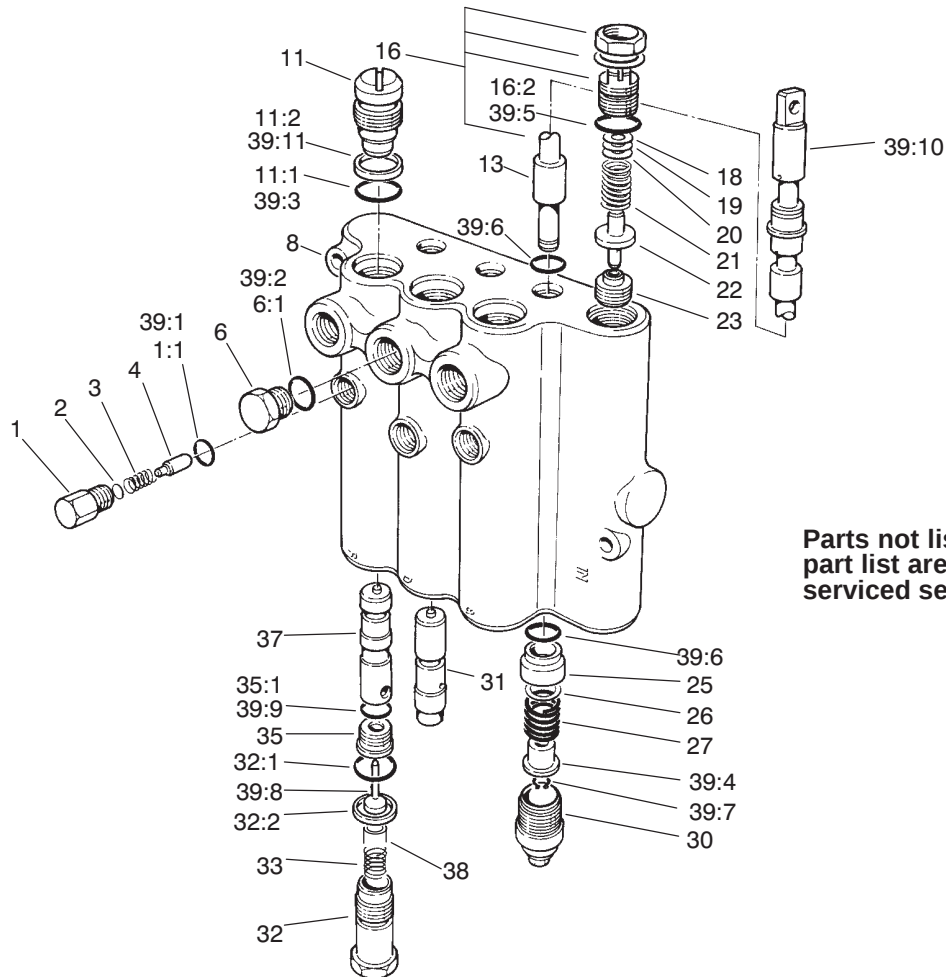
Ref. No.	Part No.	Qty.	Description
11	63-8360	1	Key–Ignition
12	82-3750-03	1	Cover–Console
13	27-2360	1	Switch–Key
13:1	218-446	1	Nut–Hex
13:2	218-447	1	Washer–Lock
14	85-4980	1	Switch–PTO
14:1	3218-19	2	Nut–HJ
14:2	3254-20	1	Washer–Lock, Internal
15	32128-33	4	Nut–HF
16	3274-31	4	Screw–HSBH
17	70-1480	2	Relay
18	94-5629	1	Wire Harness PTO Control



Sheet No.:12

Lift Valve Installation Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	46-6810	4	Screw & Washer ASM	22	3290-379	1	Tie-Cable
2	76-7090-03	1	Cover-Control, Front	23	86-5440	1	Dual Wing Relief ASM
3	76-6270	1	Strip-Foam, Panel	23:1	88-1520	1	Cartridge-Relief
4	82-5300-03	1	Heel-Support	23:2	88-1530	1	Cartridge-Relief, Differential
5	32144-11	2	Screw-TAP	24	86-3190	2	Hose ASM
6	340-99	1	Fitting-HYD, 90°	25	63-4090	1	Fitting
6:1	237-30	1	O-Ring	25:1	237-30	1	O-Ring
6:2	237-42	1	O-Ring	25:2	237-79	1	O-Ring
7	321-10	2	Screw-HH	26	86-3180	1	Hose ASM
8	3272-1	6	Pin-Cotter	27	353-947	1	Cap-Dust, Rubber
9	323-17	1	Screw-HH	28	86-3230	1	Hose ASM
10	3256-24	2	Washer-Flat	29	86-5770	1	Relief Valve Tube ASM
11	233-42	3	Knob	30	340-2	1	Fitting-HYD, Straight
12	74-6060	1	Lever-Valve, RH	30:1	237-22	1	O-Ring
13	74-6050	1	Lever-Valve, Center	30:2	237-42	1	O-Ring
14	69-7010	1	Lever-Valve, LH	32	86-5760	1	Deck Return Tube ASM
15	3296-39	1	Nut-Lock, NI	33	354-77	1	Fitting-Quick
16	69-9140	3	Link-Levers, Valve	33:1	237-78	1	O-Ring
17	92-7762	1	Control Valve ASM	34	76-7040	1	Pad - Foot
18	74-5910	1	Bulkhead-Special	35	86-2501	2	Plate-Orifice
18:1	237-79	2	O-Ring				
19	95-4354	1	Hose ASM				
20	340-1	3	Adapter				
20:1	237-35	1	O-Ring				
20:2	237-42	1	O-Ring				
21	84-6402	1	Disc - Orifice				



Sheet No.:A5

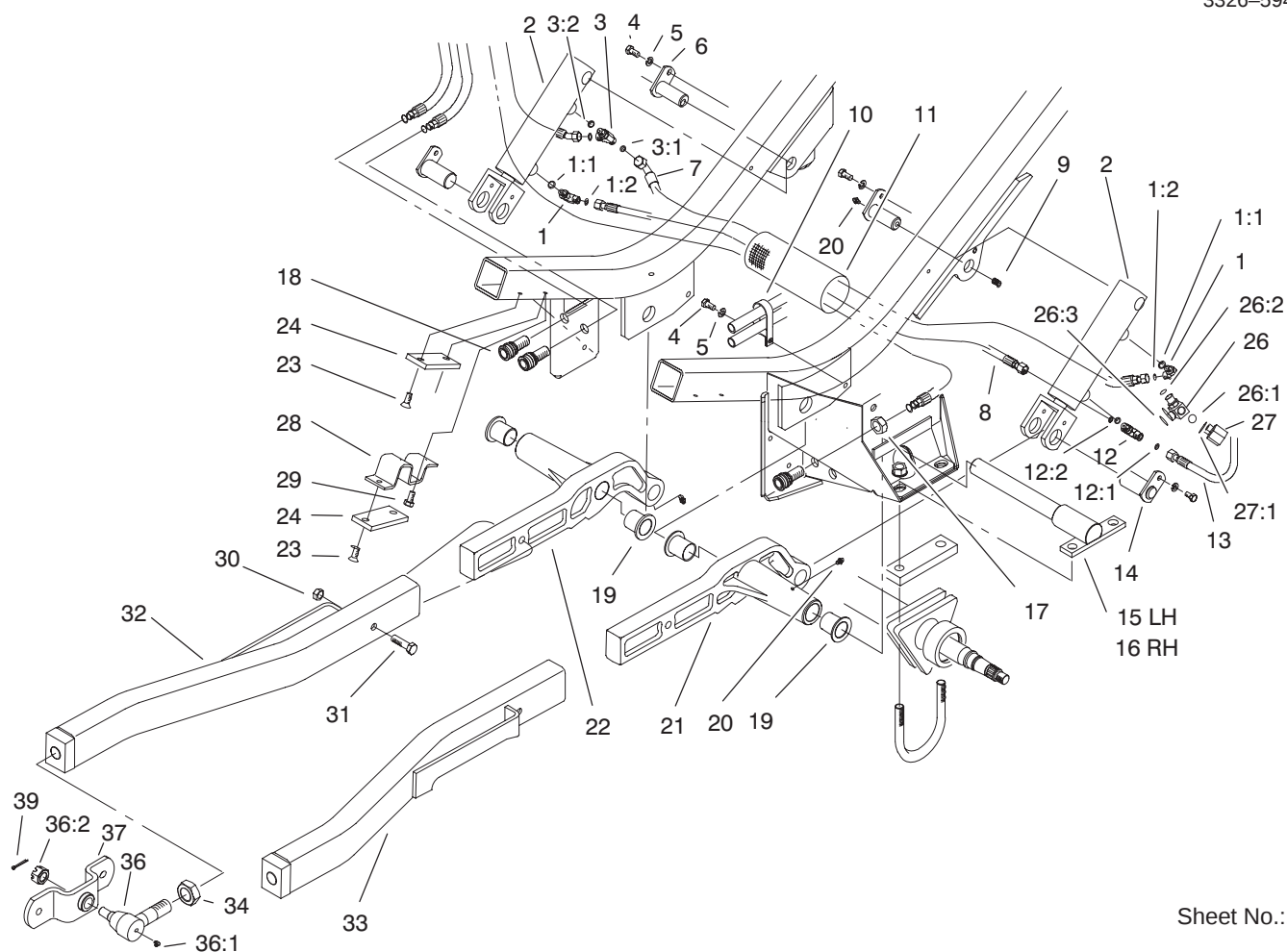
T-3633

Lift Valve Assembly No. 92-7762

Ref. No.	Part No.	Qty.	Description
1	58-6780	3	Plug
1:1	58-6790	1	O-Ring
2	60-6450	1	Disc
3	58-6760	3	Spring
4	58-6770	3	Plunger
6	353-508	3	Plug
6:1	237-42	1	O-Ring
11	58-6350	3	Plug
11:1	60-5720	1	Ring
11:2	58-6370	1	Washer
16	69-1830	1	Plug ASM
16:2	58-6750	1	O Ring
18	58-6470	1	Washer
19	58-6480	1	Washer
20	58-6490	1	Washer
21	92-2567	1	Spring
22	92-2568	1	Poppet
25	58-6400	3	Bushing
26	58-6700	3	Washer
27	58-6730	3	Spring
30	58-6420	3	Cap
31	84-6430	1	Plunger
32	92-7780	3	Plug ASM
32:1	60-5720	1	Ring
32:2	58-6370	1	Washer
33	92-7778	3	Spring

Ref. No.	Part No.	Qty.	Description
35	58-6330	3	Seat
35:1	58-6340	1	O-Ring
37	84-6420	2	Plunger
38	92-7779	3	Eyelet
*39	60-3780	1	Seal Kit
39:1	58-6790	3	O-Ring
39:2	58-6720	3	O Ring
39:3	60-5720	6	Ring
39:4	58-6310	6	Spacer
39:5	58-6750	1	O Ring
39:6	58-6450	6	O-Ring
39:7	58-6460	3	Ring
39:8	58-6290	3	Poppet
39:9	58-6340	3	O-Ring
39:10	58-6320	3	Wiper
39:11	58-6370	1	Washer

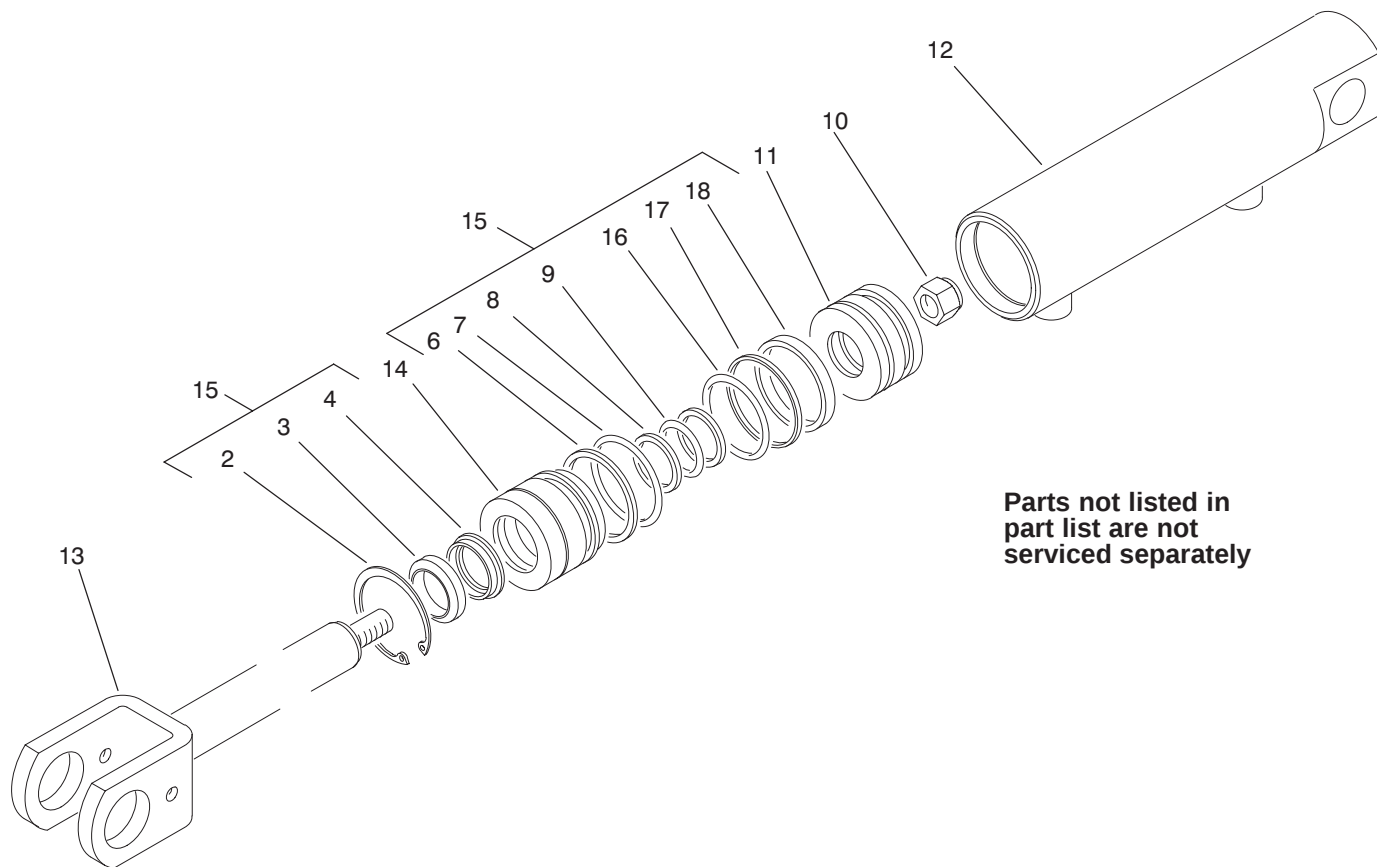
* Not illustrated



Sheet No.:13

Cylinder and Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	340-132	2	Fitting-HYD, 90°	21	84-0730-03	1	Arm-Lift, LH
1:1	237-78	1	O-Ring	22	86-5890-03	1	Arm-Lift, RH
1:2	237-21	1	O-Ring	23	32108-58	4	Screw-Pfh
2	86-5580	2	HYD Cylinder ASM	24	69-9300	2	Pad-Bumper
3	340-140	1	Adapter-Tee	26	93-7217	1	Fitting-HYD, Special
3:1	237-21	2	O-Ring	26:1	237-42	1	O-Ring
3:2	237-78	1	O-Ring	26:2	237-78	1	O-Ring
4	322-2	5	Screw-HH	26:3	237-21	1	O-Ring
5	3253-4	5	Washer-Lock	27	94-8022	1	Switch - Pressure
6	84-1350	2	Pin-Pivot	27:1	237-42	1	O-Ring
7	86-3160	1	Hose ASM	28	93-7204-03	2	Mount - Pad
8	86-3200	1	Hose ASM	29	32104-6	4	Screw-HH
9	3247-4	2	Screw-Set	30	3296-23	2	Nut-Lock, NI
10	2412-137	1	Clamp-Tube	31	325-11	2	Screw-HH
11	70-1380	1	Sleeve-Protective	32	86-2280-01	1	Tube-Carrier, RH
12	340-125	1	Adapter	33	86-2320-01	1	Tube-Carrier, LH
12:1	237-21	2	O-Ring	34	21-3000-01	2	Nut-Jam, Push Arm
12:2	237-78	1	O-Ring	36	86-8100-01	1	Joint-Ball
13	86-3170	1	Hose ASM	36:1	302-5	1	Fitting-Grease
14	88-1190	2	Pin-Pivot	36:2	32136-2	1	Nut-SHH
15	86-2790-03	1	Pin-Pivot, LH	37	69-7290-01	2	Mount-Joint, Ball
16	88-1200-03	1	Pin-Pivot, RH	39	3272-12	2	Pin-Cotter
17	3220-7	3	Nut-Jam				
18	86-5450	3	Coupler				
19	68-6480	4	Bushing - Flange				
20	302-5	6	Fitting-Grease				



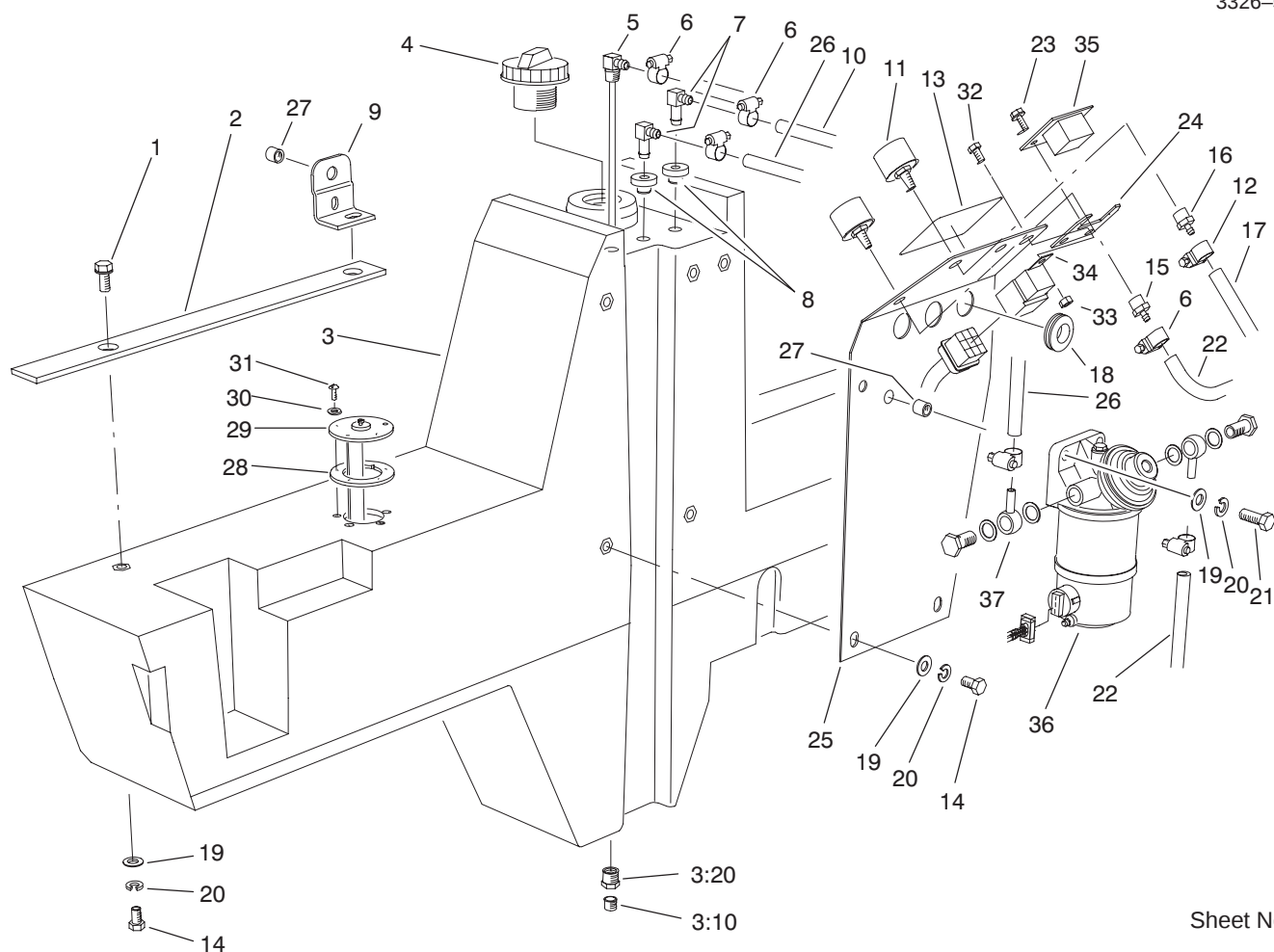
**Parts not listed in
part list are not
serviced separately**

Sheet No.:A6
T-3635

Hydraulic Cylinder Assembly No. 86-5580

Ref. No.	Part No.	Qty.	Description
10	88-3590	1	Nut-Lock
11	88-3600	1	Piston
12	88-3610	1	Barrel ASM
13	88-3620	1	Rod ASM
14	88-3630	1	Head-Ring, Snap
15	88-3640	1	Kit-Seal

Ref. No.	Part No.	Qty.	Description

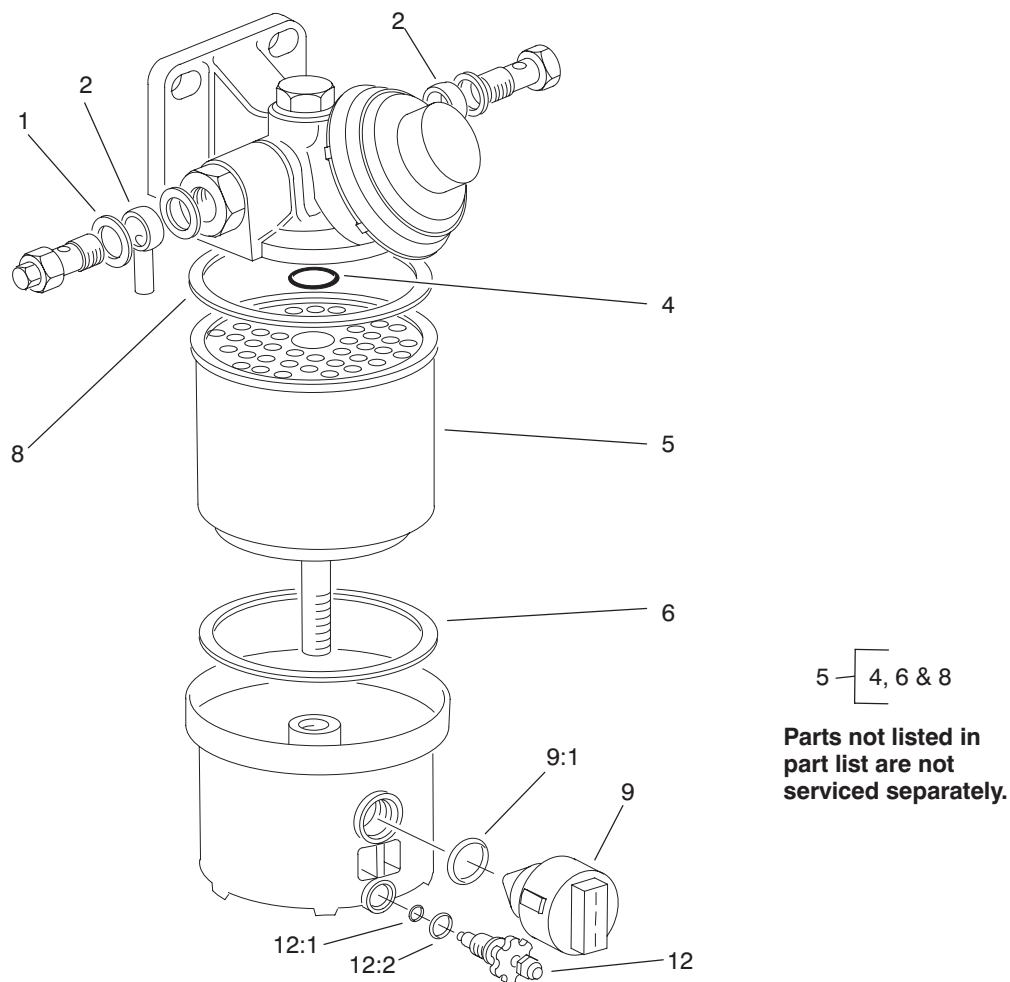


Sheet No.:14

Fuel Tank Assembly

Ref. No.	Part No.	Qty.	Description
1	3234-12	2	Screw-HHF
2	76-9790	1	Foam-Tank, Fuel
3	74-5580	1	Tank-Fuel
3:10	285-22	1	Plug-Pipe
3:20	2812-1	1	Bushing-Pipe
4	93-3102	1	Cap-Fuel
5	76-6600	1	Pipe-Stand
6	2412-108	6	Clamp-Worm
7	46-6550	2	Fitting-HYD, 90°
8	46-6560	2	Bushing
9	82-3660	1	Bracket - Cover
10	63-7627	1	Hose-Fuel
11	68-6150	2	Breather-Air
12	2412-36	1	Clamp-Hose
13	93-9420	1	Decal - Caution Fuel
14	323-4	7	Screw-HH
15	354-95	1	Hose-Female, Barbed
16	354-94	1	Hose-Female, Barbed
17	74-9122	1	Hose-Overflow, Radiator
18	240-6	3	Grommet-Rubber
19	3256-24	9	Washer-Flat
20	3253-21	9	Washer-Lock
21	323-7	2	Screw-HH
22	63-7622	2	Hose-Fuel
23	32144-18	2	Screw-HH

Ref. No.	Part No.	Qty.	Description
24	94-5614-03	1	Bracket-Meter, Hour
25	76-6590-03	1	Plate-Tank, Fuel
26	63-7626	1	Hose-Fuel
27	32148-9	3	Insert-Nut
28	62-7650	1	Gasket
29	74-5860	1	Sender-Fuel
30	3253-15	5	Washer-Lock/Sp
31	32122-24	5	Screw-Pth
32	321-3	2	Screw-HH
33	3296-42	2	Nut-Lock, NI
34	70-1480	1	Relay
35	75-6820	1	Hourmeter
36	76-5300	1	Fuel Filter ASM
37	76-5190	2	Fitting-Adjustable

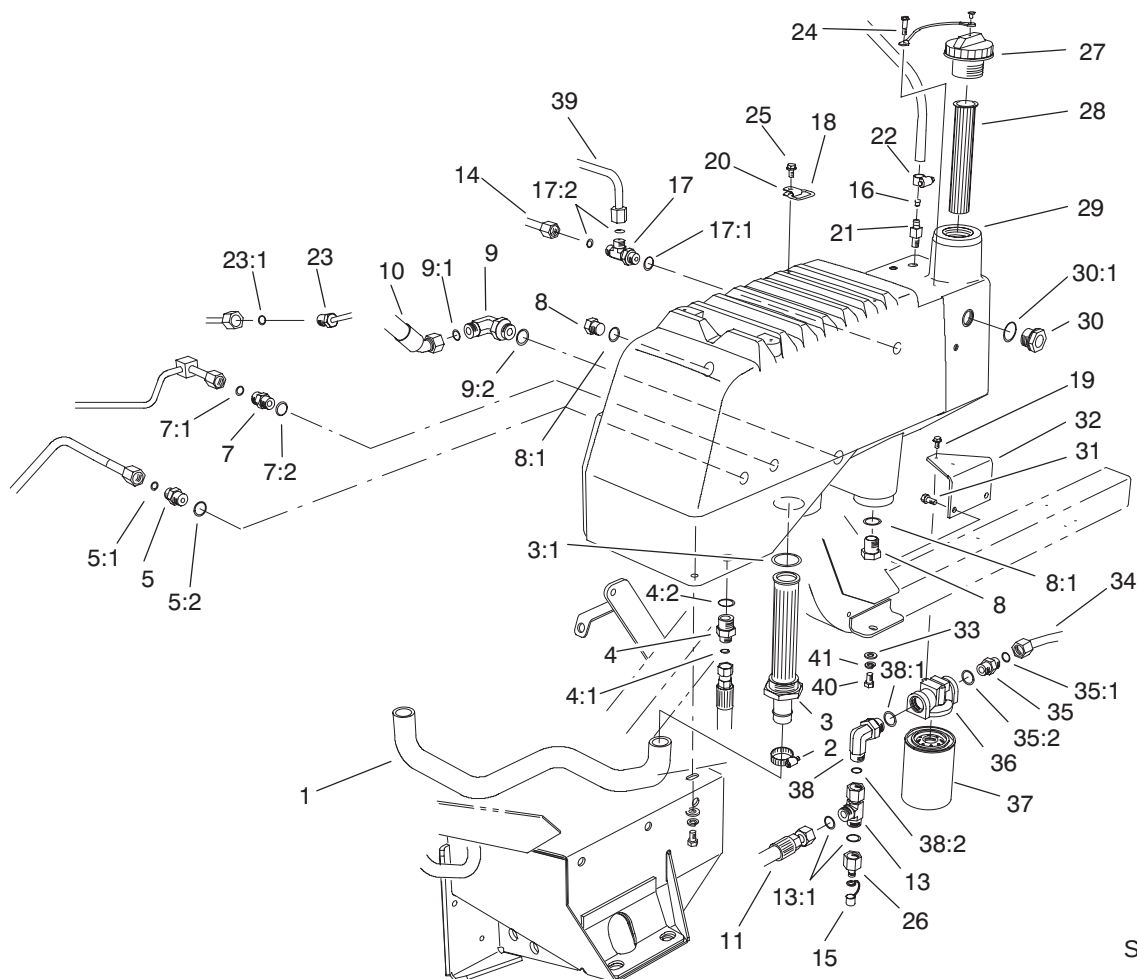


Sheet No.:A7
T-3486

Fuel Filter Assembly No. 76-5300

Ref. No.	Part No.	Qty.	Description
1	76-5180	4	Washer-Copper
2	76-5190	2	Fitting-Adjustable
5	76-5220	1	Element-Filter
9	76-5320	1	Probe-Sensor, Water
9:1	94-8025	1	O-Ring
12	94-8026	1	Screw-Vent
12:1	94-8027	1	O-Ring
12:2	94-8028	1	O-Ring

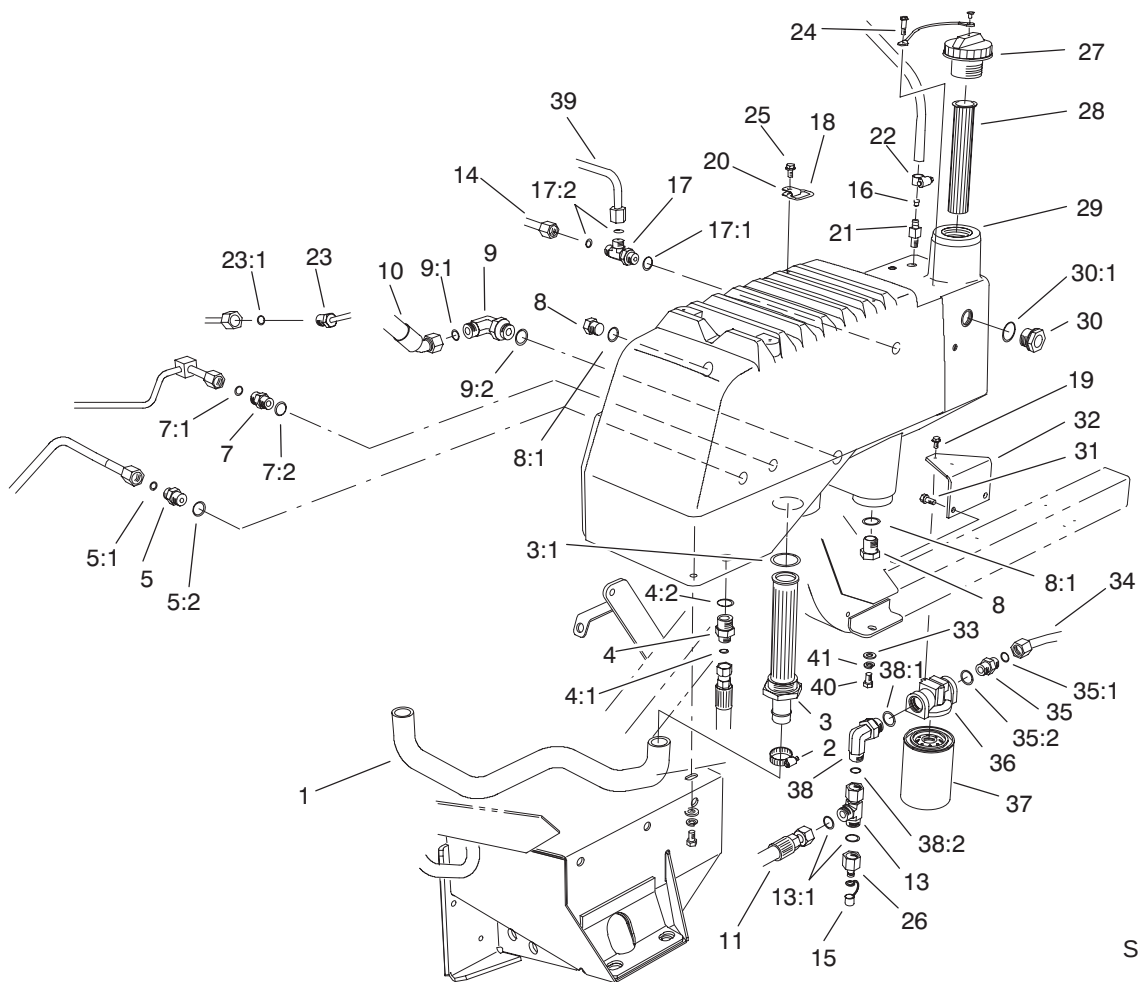
Ref. No.	Part No.	Qty.	Description



Sheet No.:15

Hydraulic Reservoir Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	104-0157	1	Hose-Suction	17:1	237-79	1	O-Ring
2	2412-34	1	Clamp-Hose	17:2	237-30	2	O-Ring
3	104-7546	1	Strainer-Tank	18	249-49	4	D-Ring
3:1	340-136	1	O-Ring	19	3234-13	2	Screw-HHF
4	340-141	1	Fitting	20	76-9950	4	Bracket - Ring
4:1	237-22	1	O-Ring	21	354-103	1	Hose-Male, Barbed
4:2	237-80	1	O-Ring	22	2412-36	1	Clamp-Hose
5	340-6	1	Fitting-Straight, HYD	23	94-8298	1	Oil Cooler Tube ASM
5:1	237-30	1	O-Ring	23:1	237-30	1	O-Ring
5:2	237-80	1	O-Ring	24	57-5420	1	Screw-Shoulder
7	340-4	1	Adapter	25	32144-4	4	Screw-HWH
7:1	237-30	1	O-Ring	26	86-5860	1	Nipple
7:2	237-79	1	O-Ring	27	93-7160	1	Cap-Oil, HYD
8	353-551	2	Plug-HH	28	61-2790	1	Filter-Screen
8:1	237-80	1	O-Ring	29	104-0164	1	Reservoir-Hydraulic
9	340-17	1	Adapter	30	69-1170	1	Glass-Sight
9:1	237-65	1	O-Ring	30:1	237-81	1	O-Ring
9:2	237-80	1	O-Ring	31	32144-11	2	Screw-TAP
10	86-3150	1	Hose ASM	32	92-5840-03	1	Bracket-Mounting, Filter
11	86-5500	1	Hose ASM	33	240-11	3	Grommet-Mount, Tank
13	340-147	1	Fitting-HYD, Tee	34	74-6400	1	Filter Line Tube ASM
13:1	237-65	3	O-Ring	35	340-8	1	Adapter
14	74-6230	1	Tube ASM	35:1	237-65	1	O-Ring
15	353-947	1	Cap-Dust, Rubber	35:2	237-81	1	O-Ring
16	74-4080	1	Orifice				
17	340-109	1	Fitting-HYD				

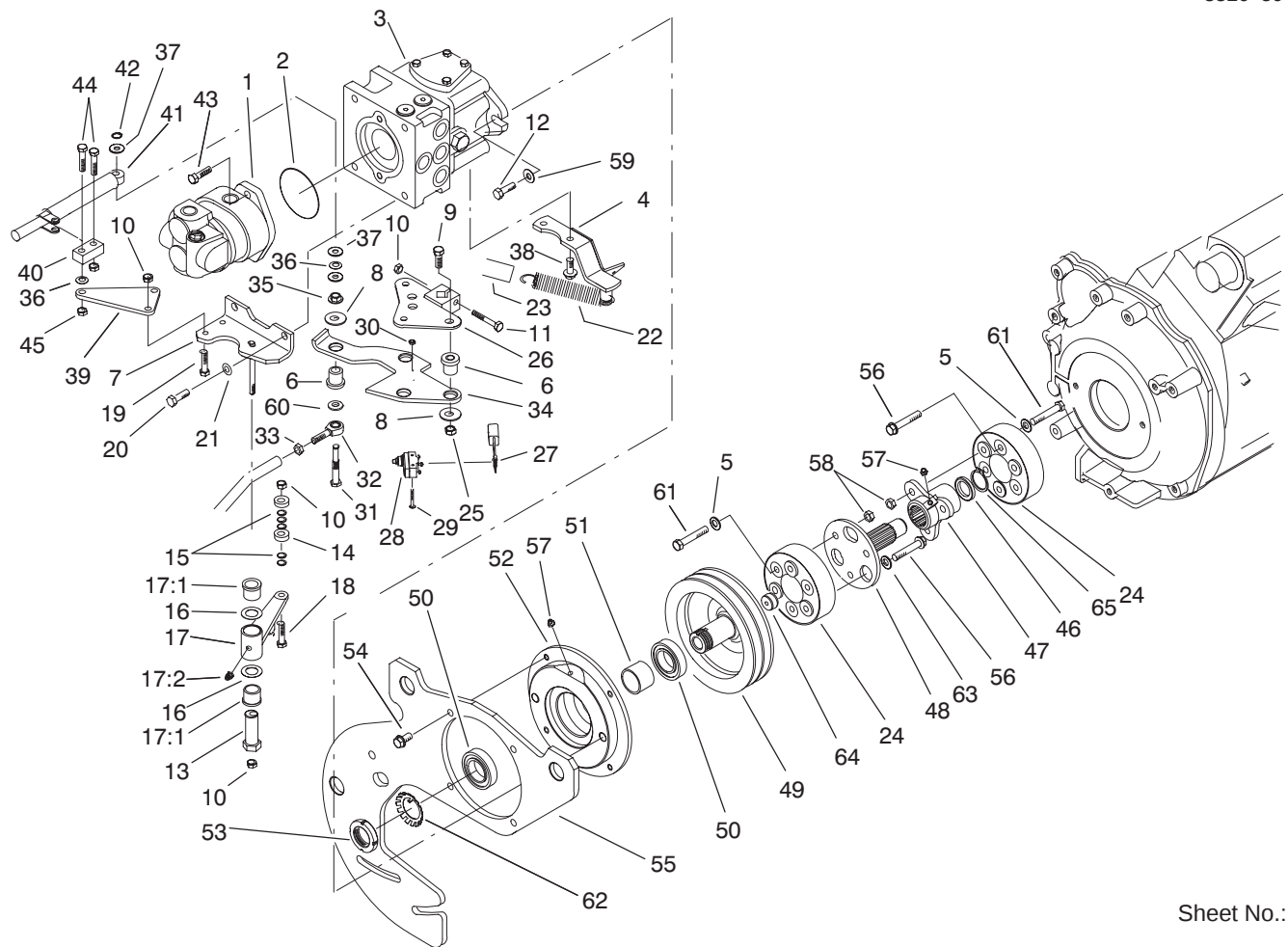


Sheet No.:15

Hydraulic Reservoir Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
36	92-5821	1	Filter Head ASM
37	86-3010	1	Filter-Oil, Transmission
38	340-139	1	Fitting-HYD, 90°
38:1	237-81	1	O-Ring
38:2	237-65	1	O-Ring
39	86-5810	1	Velocity Tube ASM
40	323-5	3	Screw-HH
41	63-8410	3	Washer

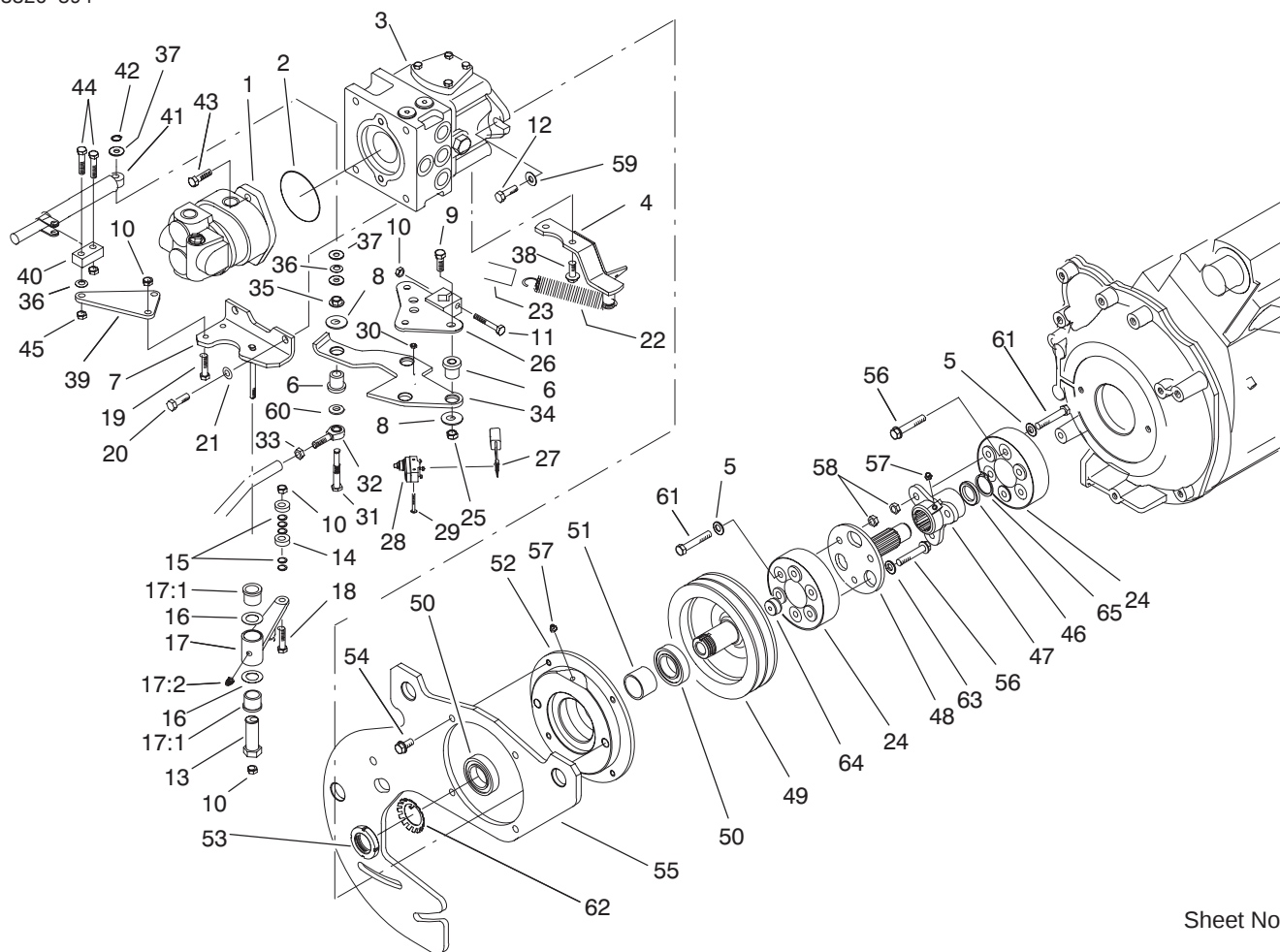
Ref. No.	Part No.	Qty.	Description



Sheet No.:16

Hydraulic Pump Installation Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	94-8297	1	Pump-Gear	24	86-3040	2	Coupler-Line, Drive
2	237-161	1	O-Ring	25	323-29	3	Screw-HH
3	86-5590	1	Pump ASM	26	82-5180-03	1	Control-Pump
4	84-1380-03	1	Anchor-Spring	27	86-3020	1	Wire-Switch, Neutral
5	3256-24	6	Washer-Flat	28	29-6163	1	Switch-Micro
6	63-9751	4	Mount	29	3249-11	2	Screw
7	95-4352-03	1	Bracket-Neutral	30	3296-9	2	Nut-Lock NI
8	63-8410	4	Washer	31	82-5280	1	Shaft - Pivot
9	3296-59	3	Nut-Lock NI	32	2411-36	1	Bearing-End, Rod
10	3296-29	5	Nut-Lock, NI	33	3220-3	1	Nut-Jam
11	322-10	1	Screw-HH	34	88-1470-03	1	Plate-Control, Pump
12	3213-2	2	Screw-HH	35	3290-357	1	Nut-Flange
13	76-8640	1	Stud-Traction	36	3290-477	2	Washer-Curved
14	251-307	2	Bearing-Ball	37	3256-71	3	Washer-Flat
15	75-5470	5	Spacer-Bearing	38	32144-26	2	Screw-Flow
16	3-6498	2	Washer-Thrust	39	95-4351-03	1	Plate - Pivot
17	92-2581	1	Neutral Switch Arm ASM	40	76-9760	1	Damper-Pivot
17:1	256-113	2	Bushing-Flange	41	76-8870	1	Lever Damper ASM
17:2	302-5	1	Fitting-Grease	42	32151-73	1	Ring-Clip
18	322-7	1	Screw-HH	43	323-7	2	Screw-HH
19	322-5	2	Screw-HH	44	322-6	2	Screw-HH
20	324-4	2	Screw-HH	45	3296-47	2	Nut-Lock, NI
21	3253-6	2	Washer-Lock	46	253-43	1	Seal-Oil
22	76-9430-03	1	Spring-Extention	47	84-1330-03	1	Hub-Splined
23	84-1480	1	Hose-Dampener	48	84-1030-03	1	Shaft-Drive
				49	84-0170-03	1	Pulley-PTO

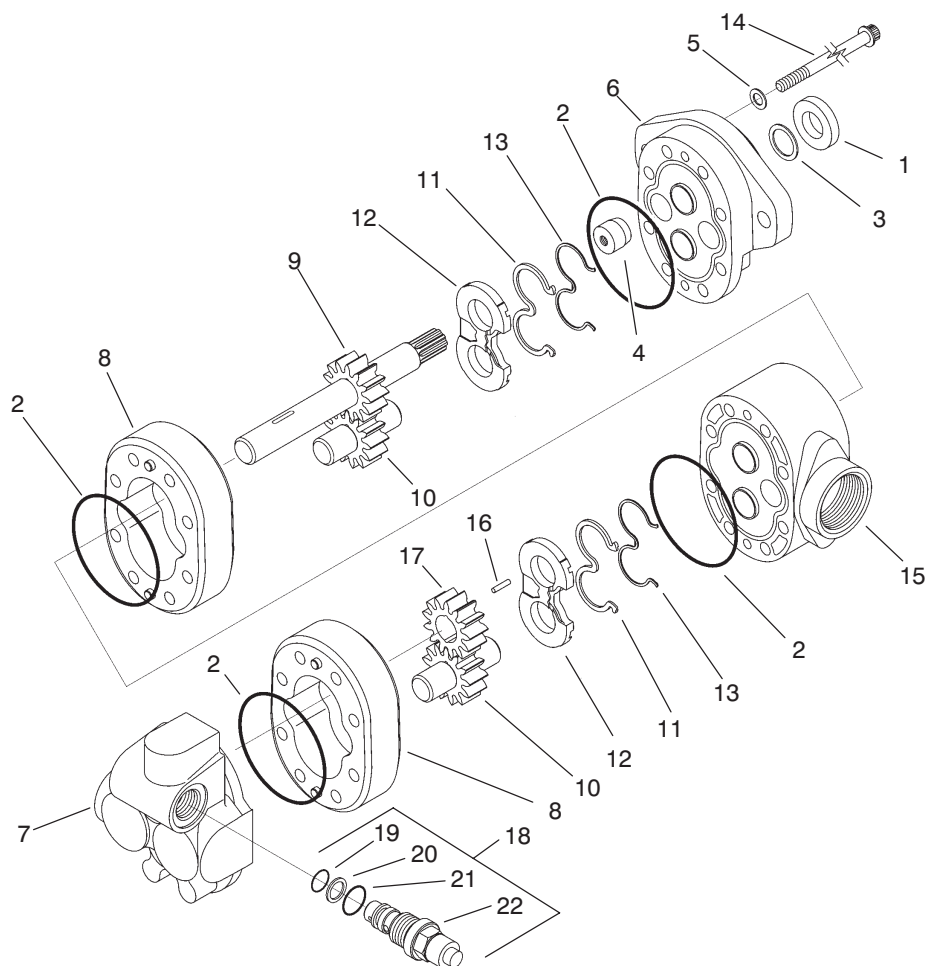


Sheet No.:16

Hydraulic Pump Installation Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
50	251-314	2	Bearing-Ball
51	86-5940	1	Spacer-Bearing, Upper
52	84-0750-03	1	Housing-Bearing, PTO
53	88-1430	1	Locknut-Bearing
54	3234-1	4	Screw-HHF
55	86-2830-03	1	Plate-Adapter, Main
56	100-2592	6	Screw-Hfh
57	302-5	2	Fitting-Grease
58	3296-39	6	Nut-Lock, NI
59	3256-26	2	Washer-Flat
60	3256-3	1	Washer-Flat
61	323-45	6	Screw-HH
62	88-1440	1	Washer-Lock
63	80-7730	3	Spacer
64	92-1351	1	Plug-Pulley
65	32120-74	1	Snap-Ring

Ref. No.	Part No.	Qty.	Description



**Parts not listed in
part list are not
serviced separately**

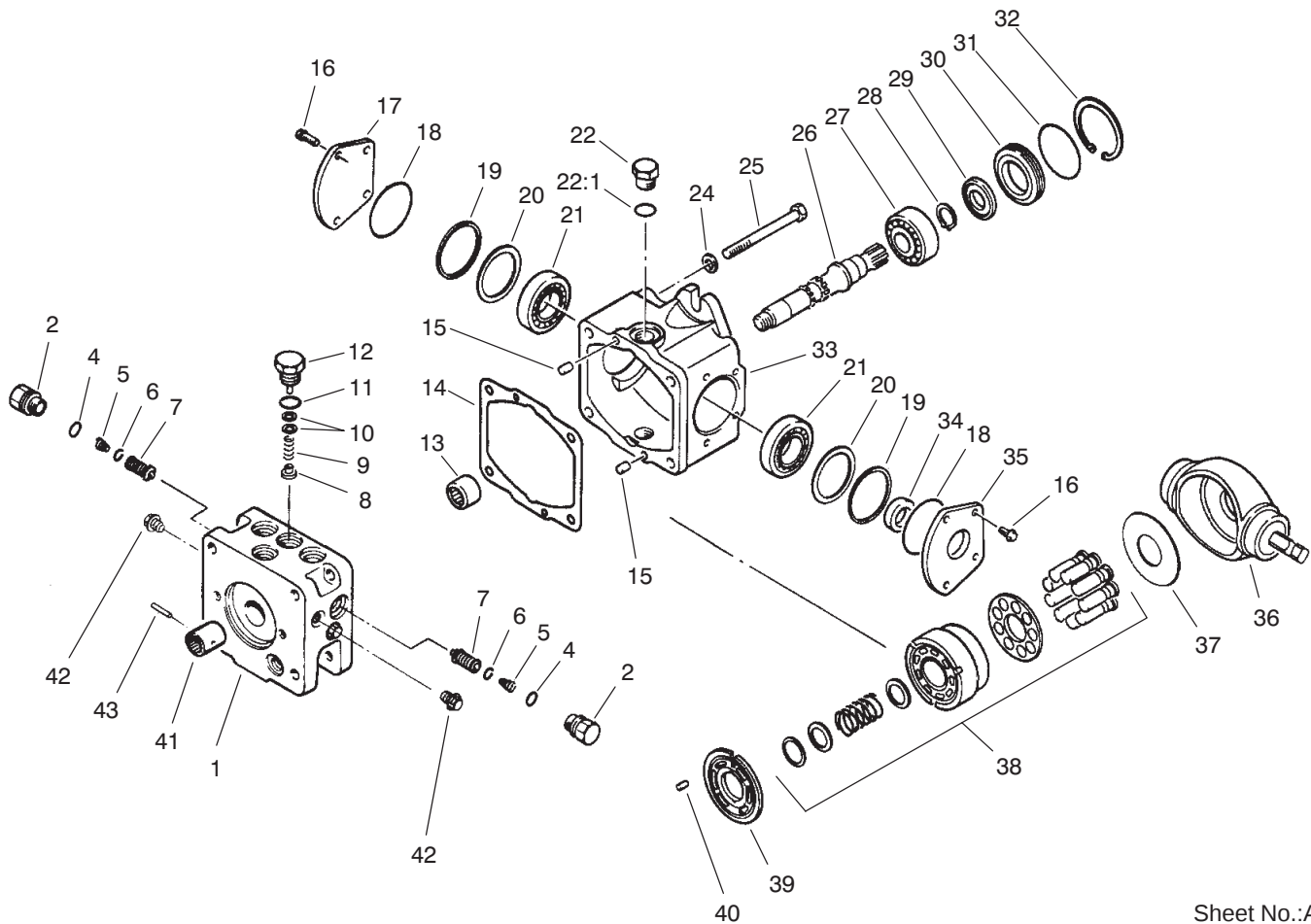
Sheet No.:A8

T-3636

Gear Pump Assembly No. 94-8297

Ref. No.	Part No.	Qty.	Description
1	49-2640	1	Seal-Shaft
2	56-6710	4	O-Ring – Motor, Gear
3	60-5890	1	Washer
4	94-3011	1	Plug
5	94-8160	4	Washer
6	95-4362	1	Plate-Front
7	95-4363	1	Backplate
8	95-4364	2	Body
9	95-4365	1	Gear-Drive
10	95-4366	2	Gear-Idler
11	95-4367	2	Gasket
12	95-4368	2	Plate-Wear
13	95-4369	2	Seal
14	95-4370	8	Screw – Cap
15	95-4371	1	Plate – Adaptor
16	95-4372	1	Key
17	95-4373	1	Gear-Fit, Slip
18	95-4374	1	Valve – Relief

Ref. No.	Part No.	Qty.	Description

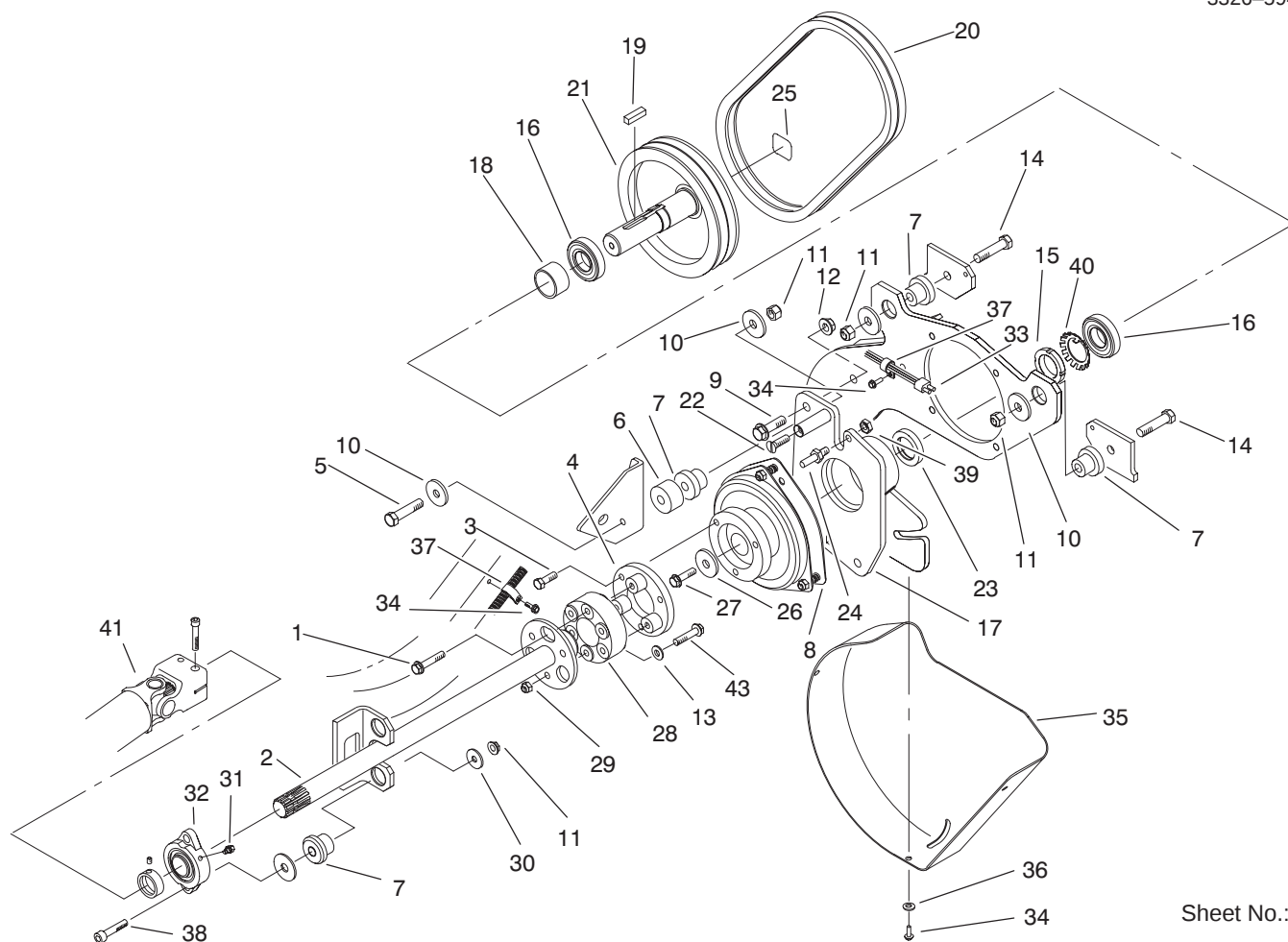


Sheet No.:A9
T-3637

Traction Pump Assembly No. 86-5590

Ref. No.	Part No.	Qty.	Description
1	92-1354	1	Cap-End
2	92-1355	2	Plug - Special
4	75-0240	2	O-Ring
5	75-0140	2	Spring-Conical
6	84-0550	2	Ring - Retaining
7	92-1356	2	Valve-Screw
8	84-0480	1	Poppet-Relief, Charge
9	84-0490	1	Spring - Compression
10	92-1353	1	Kit-Shim
11	28-3570	1	O-Ring
12	84-0500	1	Charge Relief Plug ASM
13	75-0500	1	Bearing-Needle
14	84-0210	1	Gasket-Cap, End
15	75-0480	2	Pin
16	84-0460	8	Screw-HWHTF
17	84-0440	2	Cover - Trunnion
18	84-0430	4	O-Ring
19	84-0270	4	Spacer - Trunnion
20	84-0570	4	Shim-Trunnion, Composite
21	84-0260	4	Bearing-Roller, Tapered
22	353-551	3	Plug-HH
22:1	237-80	1	O-Ring
24	84-0360	8	Washer

Ref. No.	Part No.	Qty.	Description
25	84-0330	8	Screw - HH
26	84-0300	1	Shaft - Pump
27	84-0310	1	Bearing - Ball
28	84-0320	1	Ring - Retaining
29	84-0400	1	Seal - Lip
30	84-0410	1	Carrier - Seal
31	28-3520	1	O-Ring
32	84-0380	2	Ring-Retaining, Internal
33	84-0240	1	Housing - Pump
34	84-0470	2	Seal - Lip
35	84-0450	1	Cover - Trunnion
36	84-0250	1	Swashplate - Variable
37	75-0400	1	Plate-Thrust
38	75-0470	1	Kit-Block, Cylinder
39	84-0280	1	Plate - Valve, RH
40	75-0510	1	Pin
41	92-1358	1	Coupling - 9 Tooth
42	92-1352	3	Plug
43	92-1357	1	Pin

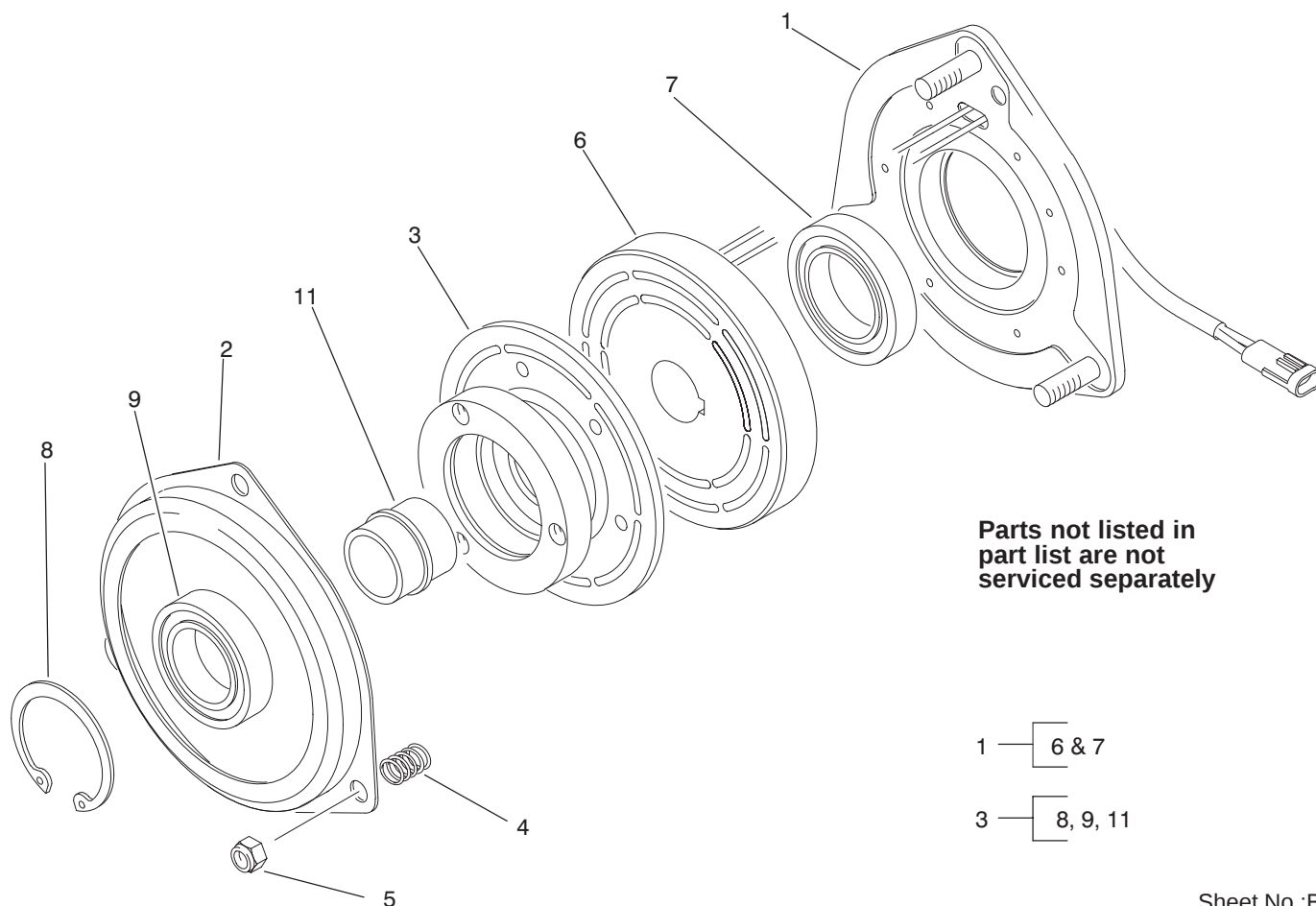


Sheet No.:17

Deck Drive Components Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2592	3	Screw-Hfh
2	84-1320-03	1	Shaft-PTO
3	33115-030	3	Screw-HH
4	104-2350-03	1	Adapter-Clutch
5	325-14	1	Screw-HH
6	84-1570	1	Spacer-Plate
7	84-1550	5	Mount-Rubber
8	98-7250	1	Clutch-PTO
9	3234-22	3	Screw-HHF
10	84-1560	4	Washer-Thrust
11	3296-25	5	Nut-Lock NI
12	32128-49	3	Nut-HHF
13	3256-24	3	Washer-Flat
14	325-9	2	Screw-HH
15	88-1450	1	Locknut-Bearing
16	251-310	2	Bearing-Ball
17	92-5818-03	1	Housing
18	88-1140	1	Spacer-Bearing, Lower
19	84-1540	1	Key-Clutch
20	88-1170	1	V-Belt (Matched Set)
21	84-0180-03	1	Pulley - Lower
22	88-1510	1	Screw-Special
23	100-2599	1	Spacer-Clutch
24	92-5817	1	Pin-Stop, Clutch
25	93-9356	1	Decal-Warning, Belt

Ref. No.	Part No.	Qty.	Description
26	84-1580	1	Washer-Clutch
27	3234-19	1	Screw-Hfh
28	86-3040	1	Coupler-Line, Drive
29	3296-39	3	Nut-Lock, NI
30	86-1990	4	Washer
31	302-60	1	Fitting-Lube
32	86-5620	1	Bearing-Ball, 2 Bolt Flange
33	104-7414	1	Harness-Wire, Main
34	32144-11	5	Screw-TAP
35	88-1280	1	Cover-Belt, Lower
36	3256-70	3	Washer-Flat
37	2412-109	2	Clip - J
38	3274-71	2	Screw-HSH
39	3296-47	1	Nut-Lock, NI
40	88-1460	1	Washer-Lock
41	86-1730	1	Driveshaft
43	323-45	3	Screw-HH



**Parts not listed in
part list are not
serviced separately**

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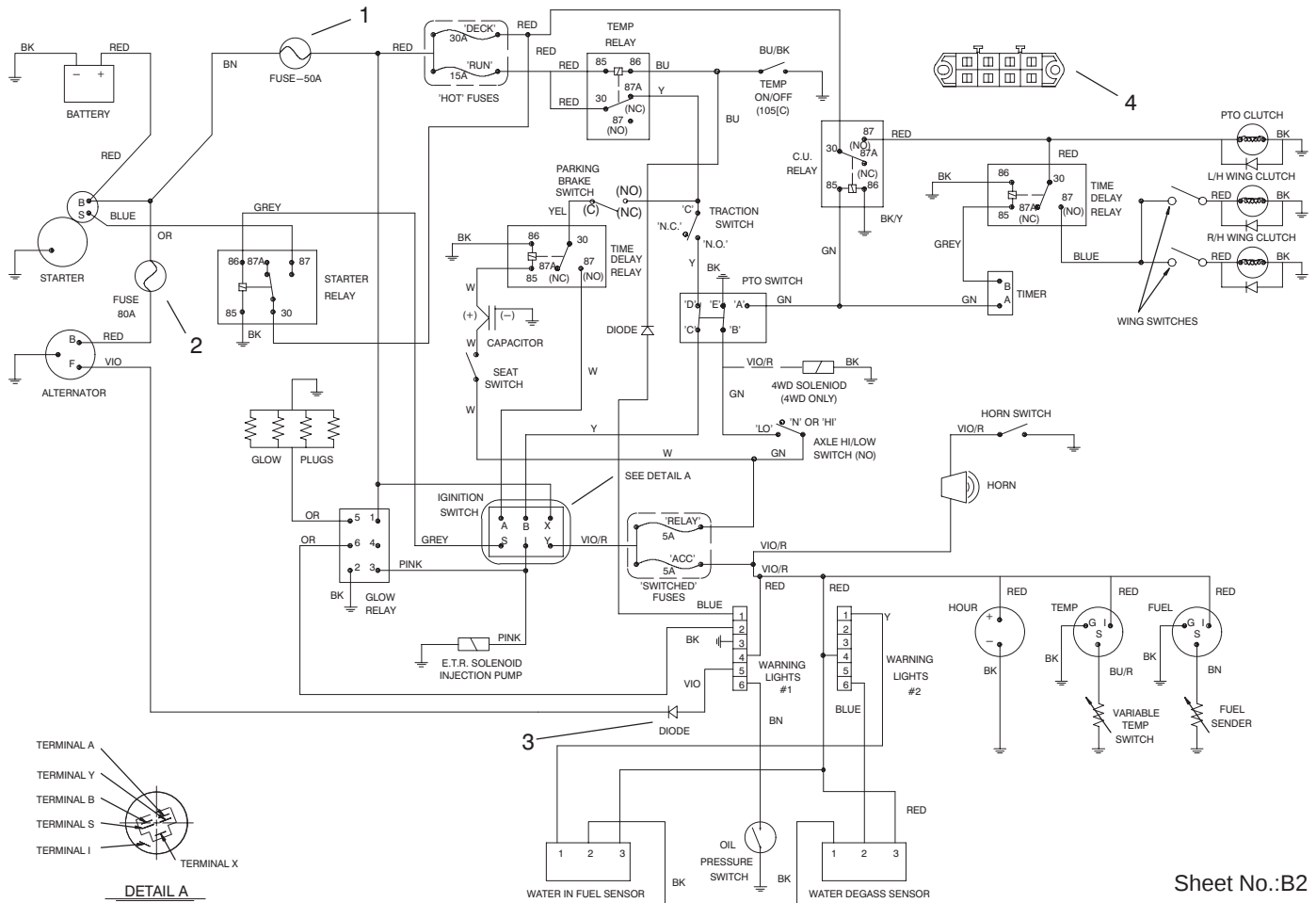
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Sheet No.:B1
T-3638

Clutch Assembly No. 98-7250

Ref. No.	Part No.	Qty.	Description
1	88-1610	1	Field & Rotor ASM
2	88-1370	1	Plate-Brake
3	98-7253	1	Armature ASM
4	44-8320	3	Spring
5	3296-6	3	Nut-Lock, NI

Ref. No.	Part No.	Qty.	Description



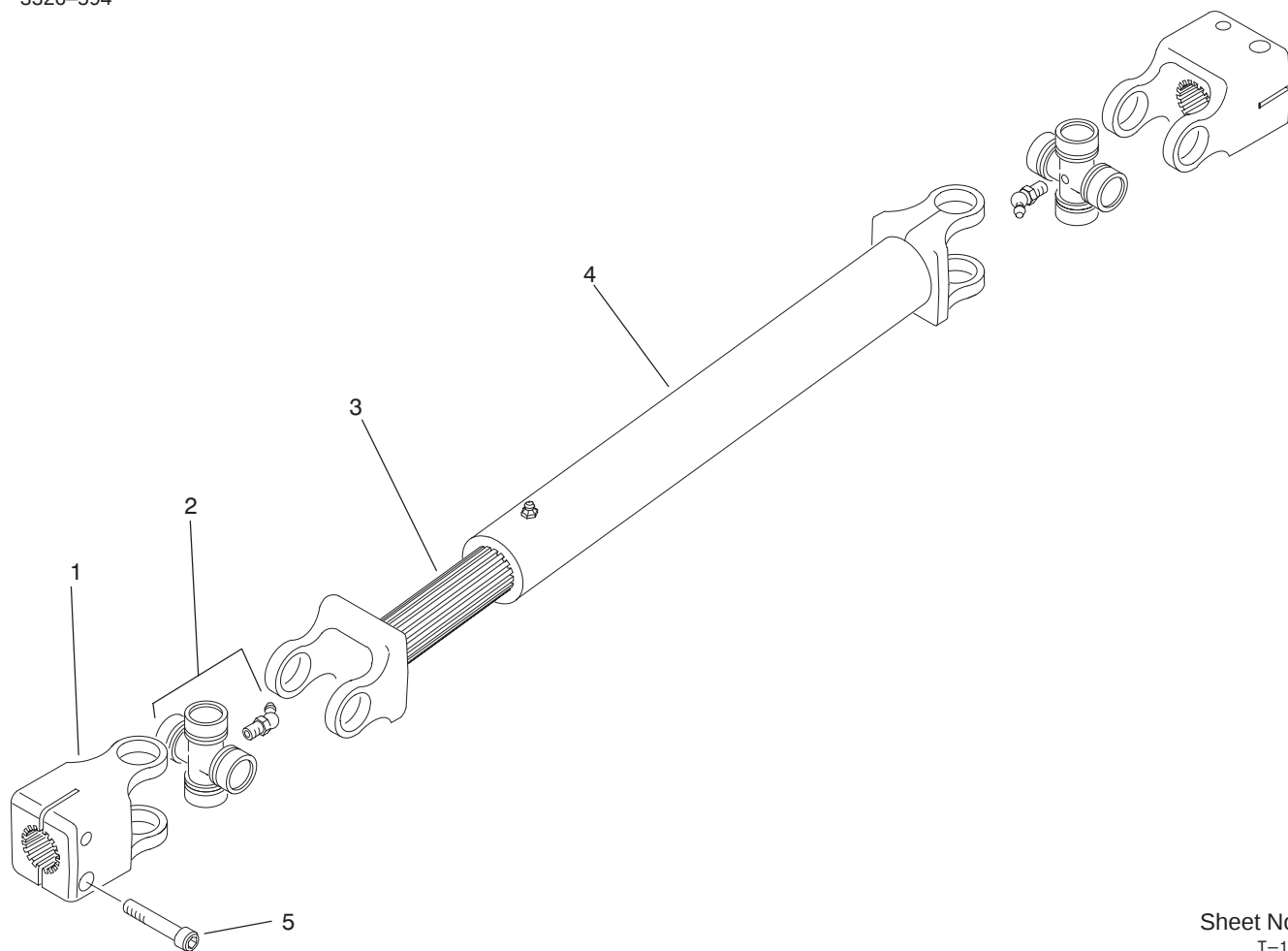
Sheet No.:B2
T-3639

Electrical Schematic

Main Wire Harness Assembly No. 104-7414

Ref. No.	Part No.	Qty.	Description
1	94-8002	1	Fuse – Blade
2	94-8001	1	Fuse – 80 Amp
3	86-7470	2	Diode ASM
4	67-7160	1	Block-Fuse

Ref. No.	Part No.	Qty.	Description



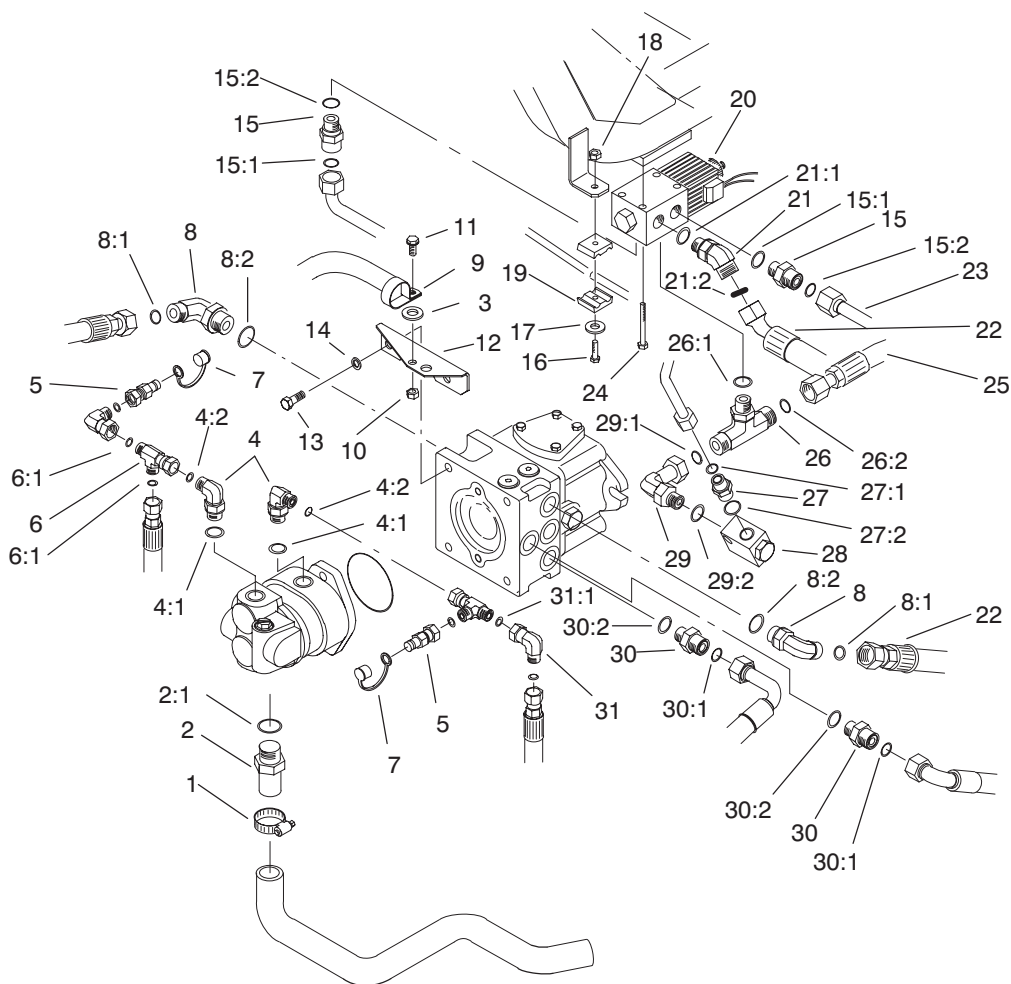
Sheet No.:B3

T-1465

Driveshaft Assembly No. 86-1730

Ref. No.	Part No.	Qty.	Description
1	86-1150	2	Yoke-End
2	86-1160	2	Kit-Joint, Universal
3	86-1170	1	Shaft-Yoke, Slip
4	86-1180	1	Tube-Yoke, Slip
5	3273-17	4	Screw-HSH

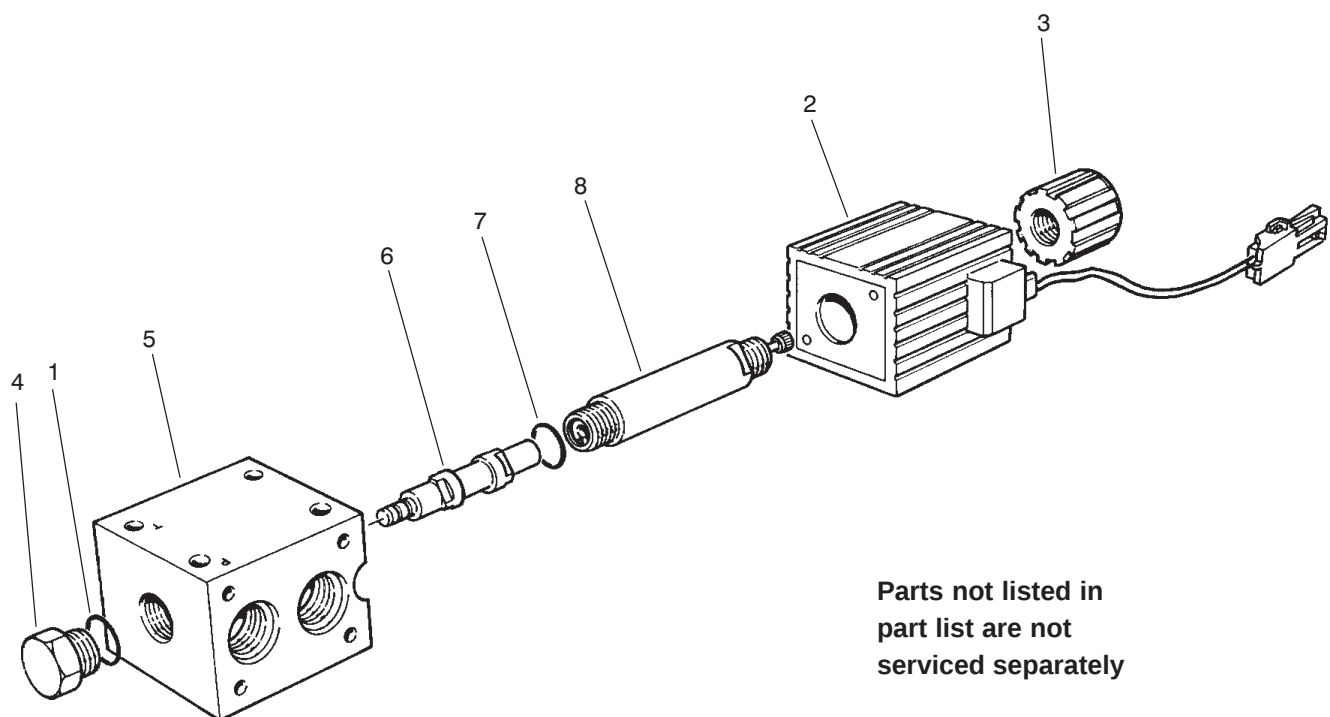
Ref. No.	Part No.	Qty.	Description



Sheet No.:18

Hydraulic Pump Fittings Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	2412-34	1	Clamp-Hose	19	56-7973	2	Clamp-Tube
2	95-4356	1	Fitting	20	76-9970	1	Valve-4wd
2:1	237-71	1	O-Ring	21	340-55	1	Fitting-HYD, 45°
3	80-7730	1	Spacer	21:1	237-79	1	O-Ring
4	340-18	2	Fitting-HYD, 90°	21:2	237-65	1	O-Ring
4:1	237-79	1	O-Ring	22	92-5828	1	Hose ASM
4:2	237-22	1	O-Ring	23	86-2770	1	4wd Tube ASM
5	86-5480	2	Nipple-Test	24	321-15	2	Screw-HH
6	340-115	2	Fitting-Tee	25	86-2710	1	Hose ASM
6:1	237-22	2	O-Ring	26	340-157	1	Fitting-HYD
7	354-79	2	Cap-Dust, Yellow	26:1	237-79	1	O-Ring
8	340-17	2	Adapter	26:2	237-30	2	O-Ring
8:1	237-65	1	O-Ring	27	340-4	1	Adapter
8:2	237-80	1	O-Ring	27:1	237-30	1	O-Ring
9	2412-104	1	R-Clamp	27:2	237-79	1	O-Ring
10	32128-20	1	Nut-HF	28	84-0720	1	Valve-Fuse, Velocity
11	322-5	1	Screw-HH	29	340-165	1	Fitting-HYD, Elbow
12	88-1290-03	1	Bracket-Rod, Seat	29:1	237-30	1	O-Ring
13	324-4	2	Screw-HH	29:2	237-79	1	O-Ring
14	3253-6	2	Washer-Lock	30	340-7	2	Adapter
15	340-155	2	Fitting-HYD	30:1	237-65	1	O-Ring
15:1	237-79	1	O-Ring	30:2	237-80	1	O-Ring
15:2	237-151	1	O-Ring	31	340-159	2	Fitting-HYD, 90°
16	322-6	1	Screw-HH	31:1	237-22	2	O-Ring
17	3256-71	1	Washer-Flat				
18	3296-47	1	Nut-Lock, NI				



**Parts not listed in
part list are not
serviced separately**

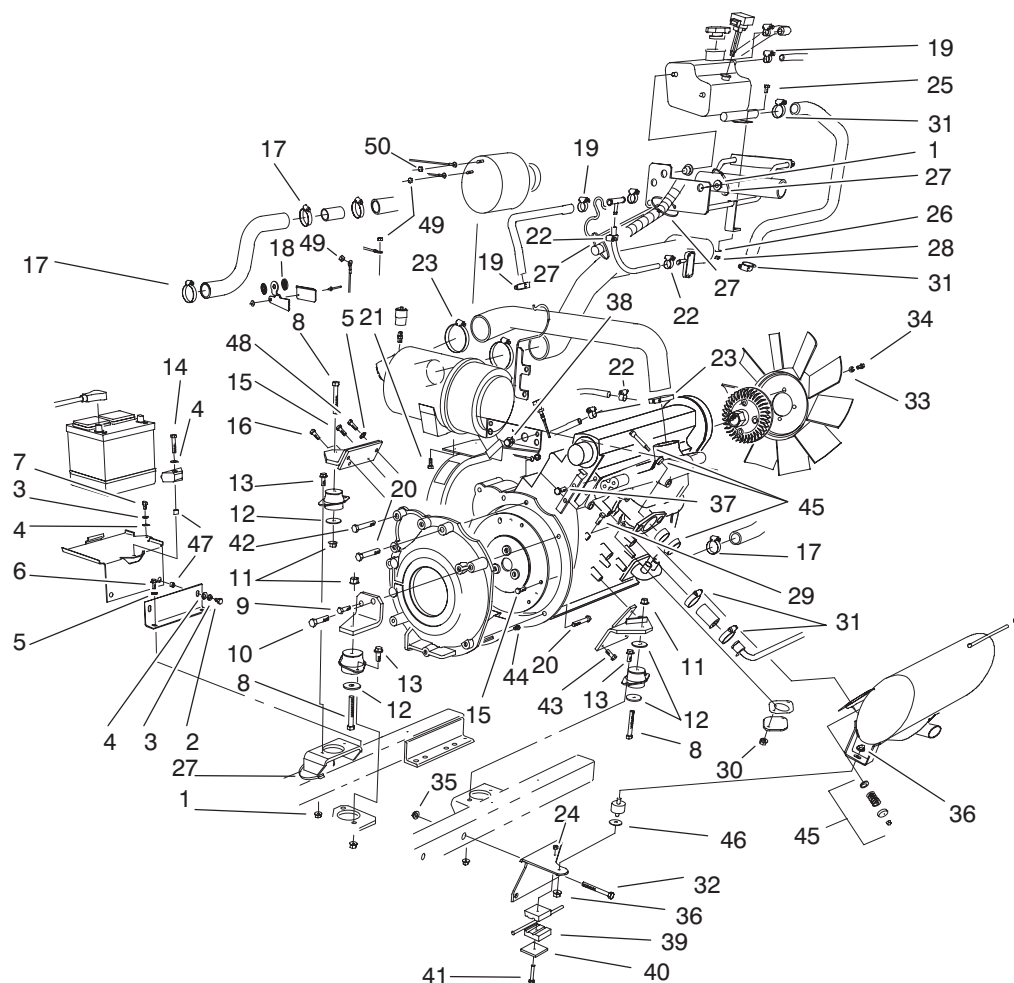
Sheet No.:B4

T-3640

Solenoid Valve Assembly No. 76-9970

Ref. No.	Part No.	Qty.	Description
1	237-80	2	O-Ring
2	218-591	1	Coil ASM
3	218-592	1	Nut-Coil

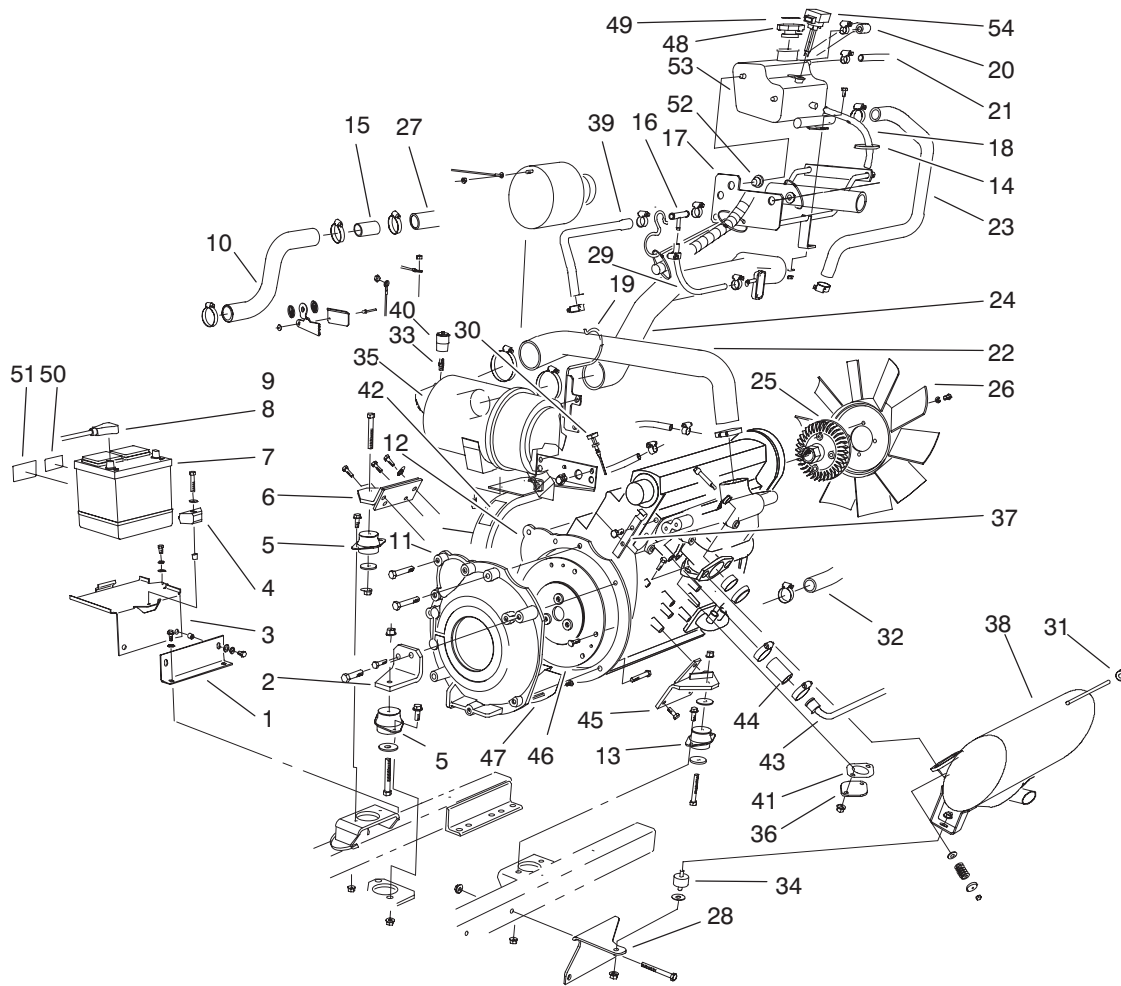
Ref. No.	Part No.	Qty.	Description



Sheet No.:19

Engine Fasteners Installation Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3290-357	9	Nut-Flange, Lock	27	3290-378	2	Tie-Cable
2	323-5	2	Screw-HH	28	33023-00	1	Nut-Lock
3	3253-21	3	Washer-Lock	29	33104-020	2	Screw-HHF
4	3256-24	4	Washer-Flat	30	33004-00	2	Nut-HF
5	3255-8	2	Washer-Lock/Ext	31	2412-129	6	Clamp-Hose
6	32144-11	2	Screw-TAP	32	323-20	2	Screw-HH
7	323-4	1	Screw-HH	33	3253-4	4	Washer-Lock
8	324-12	3	Screw-HH	34	322-3	4	Screw-HH
9	33115-030	1	Screw-HH	35	32128-19	2	Nut-HF
10	48-7840	1	Bolt	36	32128-20	2	Nut-HF
11	32128-37	3	Nut-HF	37	33114-016	2	Screw-HH
12	87-5100	4	Washer-Snubbing	38	3234-11	3	Screw-HHF
13	3234-11	6	Screw-HHF	39	56-7971	2	Clamp-Tube
14	323-9	1	Screw-HH	40	69-9760	1	Coverplate
15	33114-016	8	Screw-HH	41	322-9	1	Screw-HH
16	33114-025	1	Screw-HH	42	48-7810	3	Screw
17	2412-3	4	Clamp-Hose	43	33115-025	3	Screw-HH
18	86-2990	2	Mount-Cable, Throttle	44	33113-012	3	Screw-HH
19	2412-36	5	Clamp-Hose	45	94-2814	1	Kit-Coupler, Exhaust
20	48-7570	3	Screw - HH	46	62-9510	1	Washer-Lever, Brake
21	33104-016	2	Screw-HHF	47	32148-9	3	Nut-Insert
22	2412-108	4	Clamp-Worm	48	33114-030	1	Screw-HH
23	2412-125	3	Clamp-Hose	49	48-7880	3	Nut-Hex
24	32152-1	1	Nut-Lock, NI	50	33014-00	2	Nut-Hex
25	33103-020	1	Screw-HHF				
26	33093-00	1	Washer-Flat				

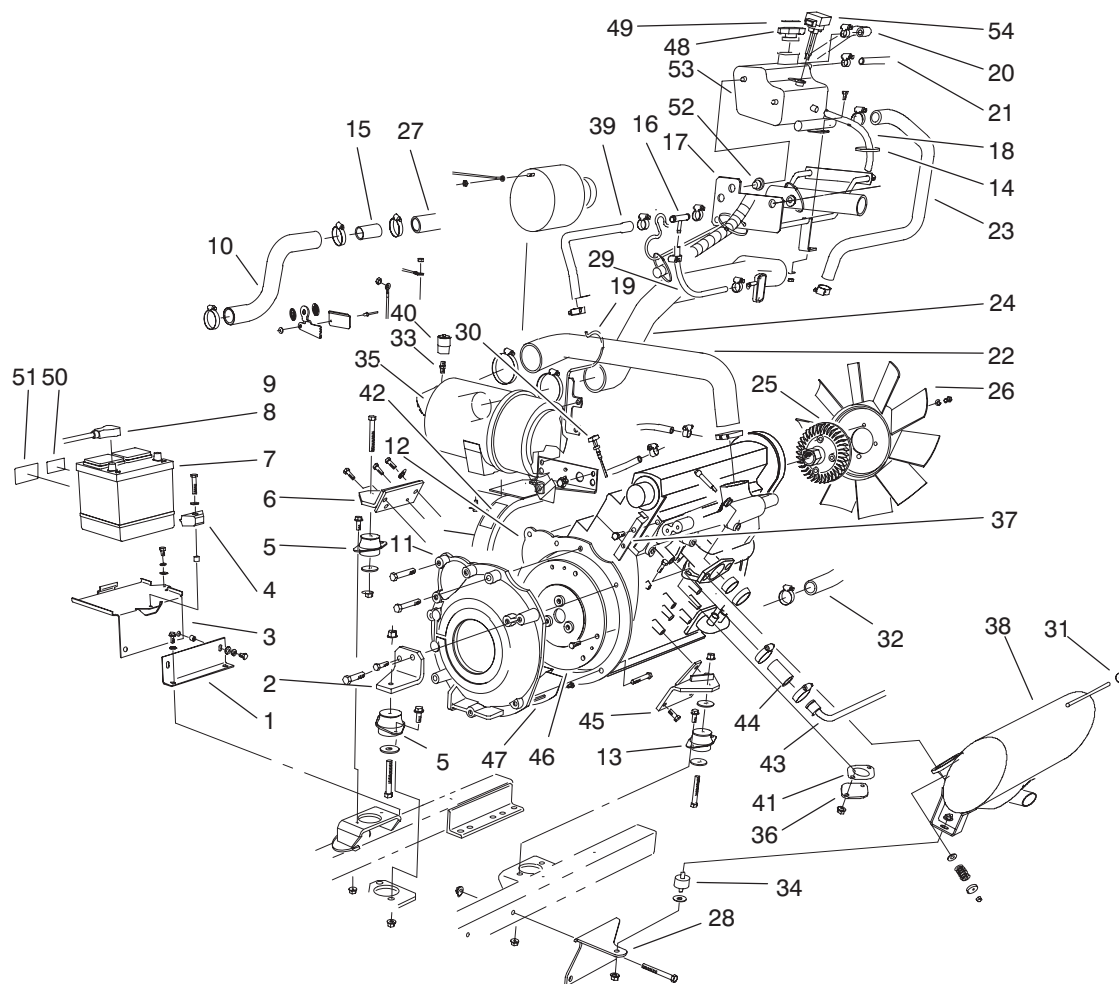


Sheet No.:20

Engine Parts Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	76-4310-03	1	Support-Base, Battery
2	74-5470-03	1	Mount-Engine, LH
3	76-6500-03	1	Base-Battery
4	66-2490	1	Retainer-Battery
5	53-9681	2	Mount-Engine
6	76-4120-03	1	Mount-Engine, RH
7	93-3220	1	Battery
8	74-9080	1	Cable-Battery, Positive
9	74-9090	1	Cable-Battery, Negative
10	94-1418	1	Hose-Radiator, Upper
11	84-0760-03	1	Adapter-Pump
12	100-3794	1	Engine ASM
13	53-9682	1	Mount-Engine, Rubber
14	3290-378	2	Tie-Cable
15	93-7594	1	Spacer
16	93-4207	1	Fitting-Tee, Hose
17	93-7229-03	1	Support-Degassing
18	55-4130	1	Hose-Line, Fuel
19	94-8003-03	1	Wireform-Hose
20	93-7788	1	Hose - Return
21	94-5625	1	Hose-Overflow, Radiator
22	93-7223	1	Hose - Intake

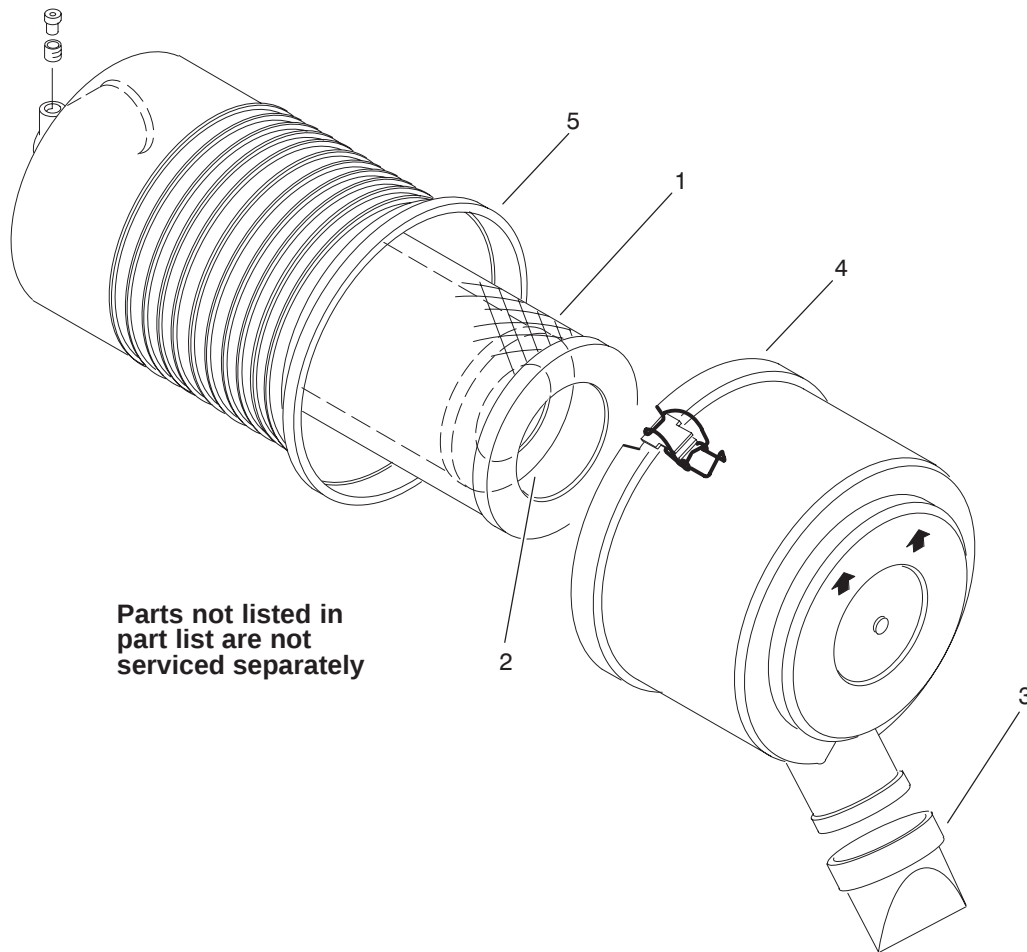
Ref. No.	Part No.	Qty.	Description
23	94-5604	1	Hose - Overflow
24	93-7224	1	Hose-Cleaner, Air
25	74-5520	1	Clutch-Fan
26	74-3650	1	Fan
27	93-7221	1	Hose-Radiator, Upper Rear
28	93-7245-03	1	Bracket - Support
29	63-7622	1	Hose-Fuel
30	93-9175	1	Dipstick
31	94-2812	1	Grommet
32	74-6020	1	Hose - Radiator, Lower
33	94-1416	1	Indicator Adapter ASM
34	94-5608	1	Mount - Rubber
35	100-2597	1	Air Filter ASM
36	92-7382-03	1	Cover
37	94-5615	1	Bracket - Return Hose
38	94-8012	1	Muffler ASM
39	94-2630	1	Hose - Return
40	93-9164	1	Indicator-Mini
41	77-3700	1	Gasket-Muffler, Exhaust
42	93-7275	1	Decal-Fluid, Starting
43	92-7381	1	Tube-Return, Water
44	74-6490	2	Hose-Line, Water
45	76-4220-03	1	Mount-Engine, LH



Sheet No.:20

Engine Parts Installation Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
46	84-1440-03	1	Plate-Adapter
47	77-3600	1	Shield-Adapter
48	66-3240	1	Cap-Radiator
49	93-7840	1	Decal-Cap, Radiator
50	93-7276	1	Decal-Danger
51	93-6668	1	Decal-Battery
52	94-2801	2	Grommet-Rubber
53	98-1805	1	Box-Degassing
54	94-9984	1	Sensor-Level, Water

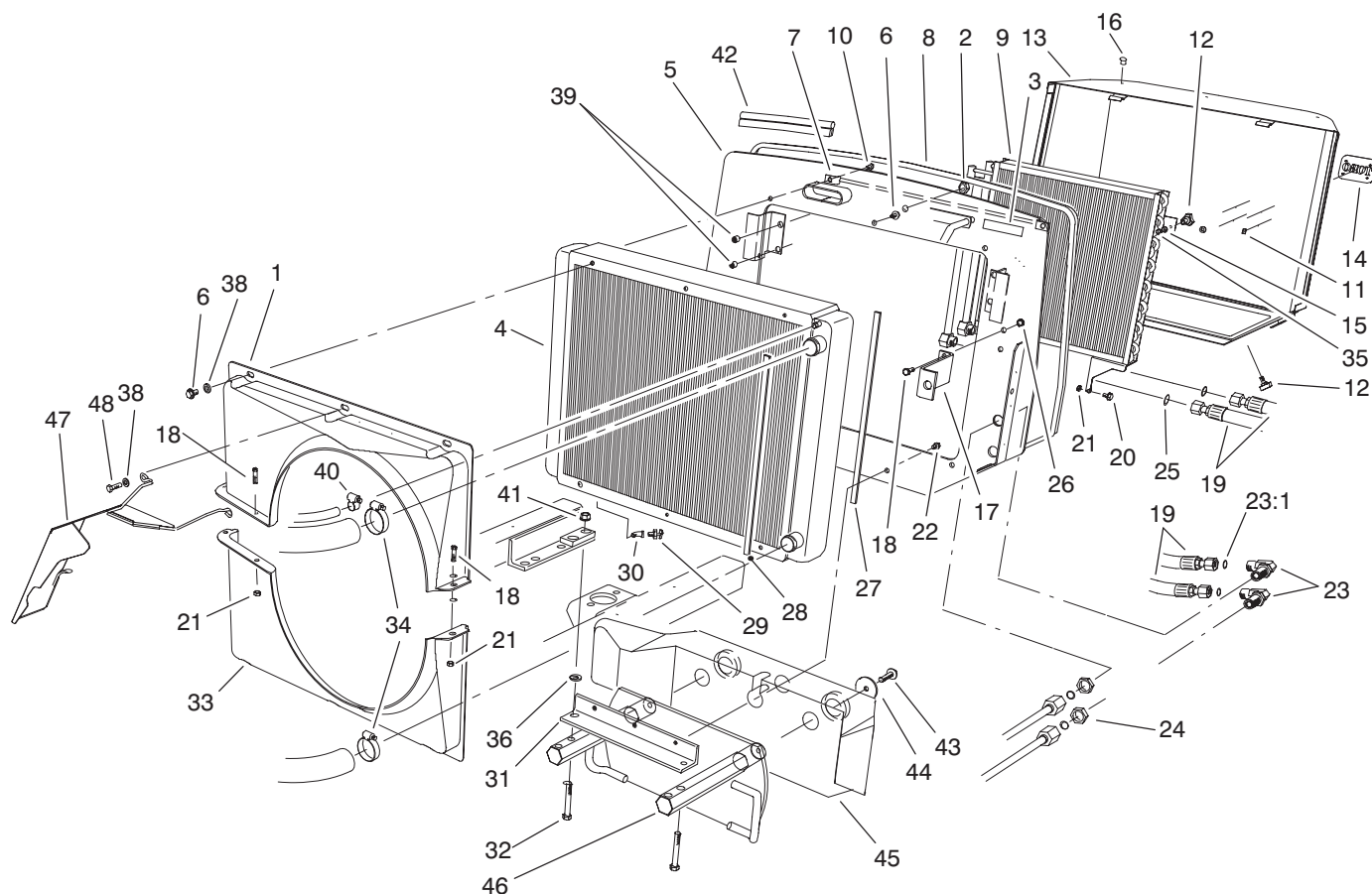


Sheet No.:B6
T-2076

Air Filter Assembly No. 100-2597

Ref. No.	Part No.	Qty.	Description
1	93-9162	1	Filter-Primary
2	93-9163	1	Filter-Secondary
3	94-1414	1	Valve-Vacuator

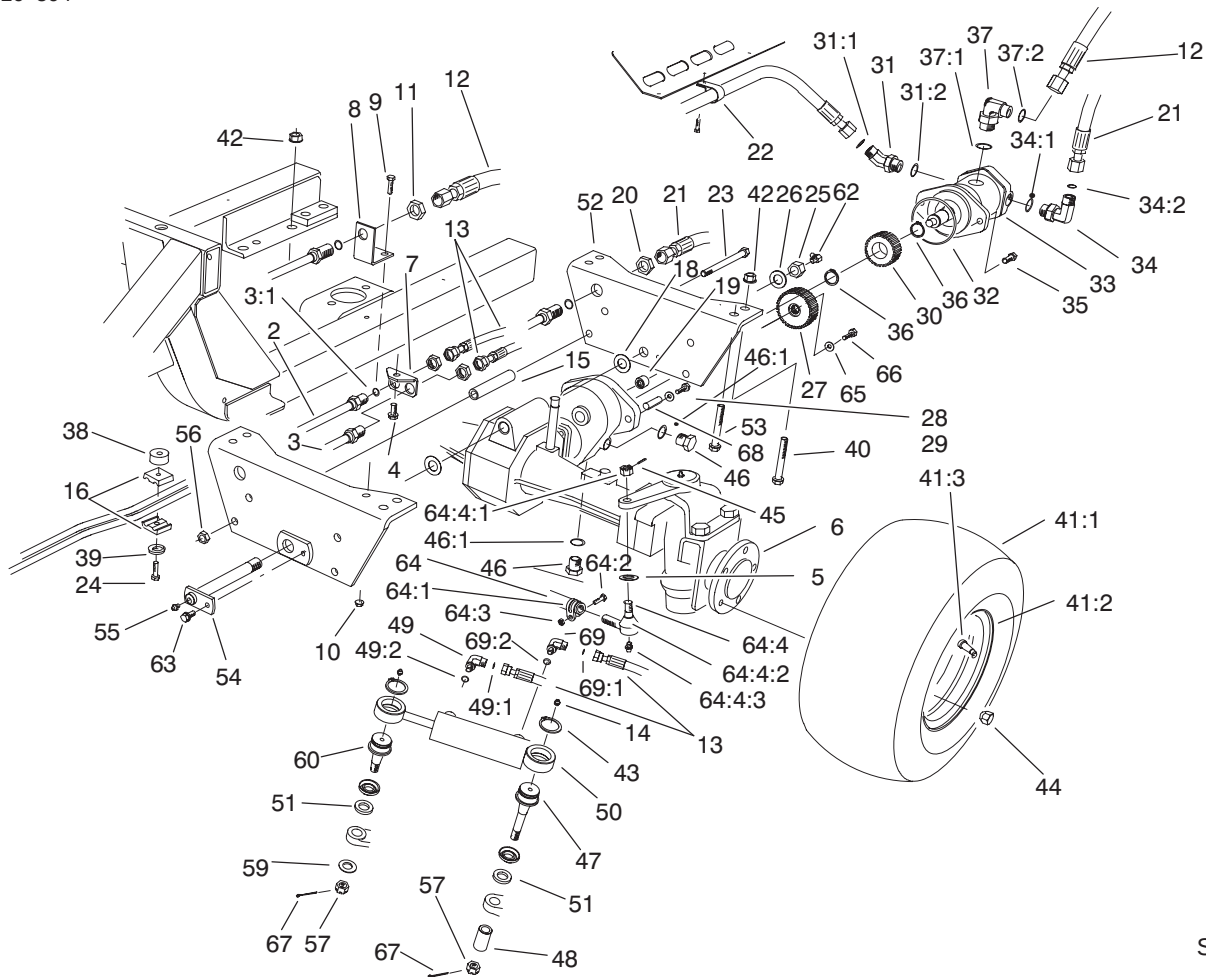
Ref. No.	Part No.	Qty.	Description



Sheet No.:21

Radiator Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	74-4980	1	Shroud-Top	25	237-65	2	O-Ring
2	3296-23	2	Nut-Lock, NI	26	32128-20	2	Nut-HF
3	93-6681	1	Decal-Warning, Fan	27	76-6381	2	Strip-Sealing, Radiator
4	74-3410	1	Radiator ASM	28	76-6382	2	Strip-Sealing, Fan Shroud
5	93-7239-03	1	Mount-Radiator	29	304-46	1	Draincock
6	3234-30	10	Screw-HHF	30	2811-1	1	Elbow-Street, 45°
7	94-5621-01	1	Bracket-Screen	31	74-5460-03	1	Angle-Support, Radiator
8	94-5622	1	Seal-Strip, Screen	32	325-35	2	Screw-HH
9	82-3740	1	Cooler-Oil	33	74-4990	1	Shroud-Bottom
10	3234-14	2	Screw-HHF	34	2412-3	2	Clamp-Hose
11	94-2638	4	Nut-Tinnerman	35	32151-72	2	Ring-Retaining
12	27-4570	4	Knob-Seat	36	3256-26	2	Washer-Flat
13	94-5612-03	1	Screen	38	3256-23	7	Washer-Flat
14	93-6028	1	Plate-Logo, Toro	39	32148-9	4	Nut-Insert
15	3256-3	2	Washer-Flat	40	2412-36	1	Clamp-Hose
16	2410-64	3	Plug-Button	41	32128-49	2	Nut-HHF
17	93-7244-03	1	Bracket - Support	42	94-5616	1	Seal - Hood
18	322-4	5	Screw-HH	43	325-34	2	Screw-HH
19	94-8010	2	Hose ASM	44	88-1360	2	Washer-Weight, Rear
20	37-8771	2	Bolt-Shoulder	45	92-9711-03	1	Weight - Rear
21	3296-47	5	Nut-Lock, NI	46	98-7070	1	Weight ASM
22	3234-11	3	Screw-HHF	47	94-5635-03	1	Guard-Fan
23	340-72	2	Union-Elbow Bulkhead, 90°	48	3234-5	2	Screw
23:1	237-65	2	O-Ring				
24	340-74	2	Locknut-Bulkhead				



Sheet No.:23

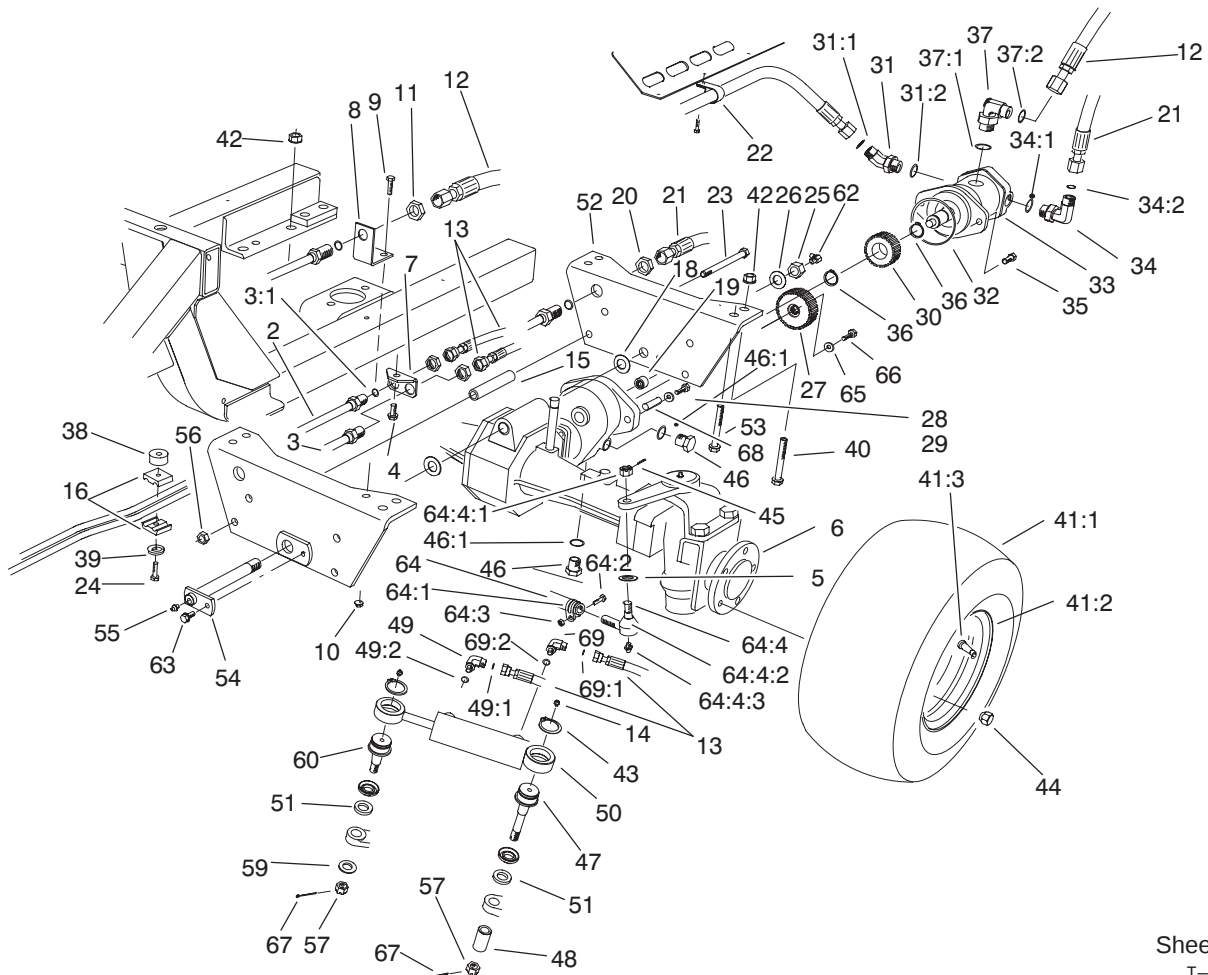
T-3736

Rear Axle Assembly-4WD

Ref. No.	Part No.	Qty.	Description
2	86-5780	1	RH Rear Steering Tube ASM
3	86-5790	1	LH Rear Steering Tube ASM
3:1	237-22	1	O-Ring
4	32144-11	2	Screw-TAP
5	3256-64	2	Washer-Flat
6	95-7500	1	Axle-Drive
7	74-6450	1	Bracket-Bulkhead, Steering
8	76-9290	1	Bracket-Drain, Case
9	3234-4	1	Screw-HHF
10	32128-33	1	Nut-HF
11	340-70	3	Locknut-Bulkhead
12	86-3140	1	Hose ASM
13	76-9590	2	Cylinder Rod Hose ASM
14	302-5	2	Fitting-Grease
15	98-7076	2	Stop - Axle
16	56-7973	2	Clamp-Tube
18	98-3867	2	Washer-Thrust
19	74-5700	1	Bearing-Needle, Roller
20	340-74	1	Locknut-Bulkhead
21	86-2730	1	Hose ASM
22	2412-74	1	R-Clamp

Ref. No.	Part No.	Qty.	Description
23	325-36	2	Screw-HH
24	32104-37	1	Screw-HWH
25	3296-68	1	Nut-Lock NI
26	92-1765	1	Washer-Thrust
27	99-7500	1	Clutch - Bi-Directional
28	33114-025	6	Screw-HH
29	3253-4	6	Washer-Lock
30	95-4393	1	Gear - Driven
31	340-156	1	Fitting-HYD
31:1	237-65	1	O-Ring
31:2	237-81	1	O-Ring
32	237-166	1	O-Ring
33	99-7502	1	Piston Motor ASM
34	340-139	1	Fitting-HYD, 90°
34:1	237-81	1	O-Ring
34:2	237-65	1	O-Ring
35	325-6	2	Screw-HH
36	32120-15	2	Ring-Snap, Ext
37	340-18	1	Fitting-HYD, 90°
37:1	237-79	1	O-Ring
37:2	237-22	1	O-Ring
38	80-8660	1	Spacer-Coupler
39	3256-71	1	Washer-Flat
40	325-35	2	Screw-HH
★41		2	Tire And Wheel ASM

★ Not serviced

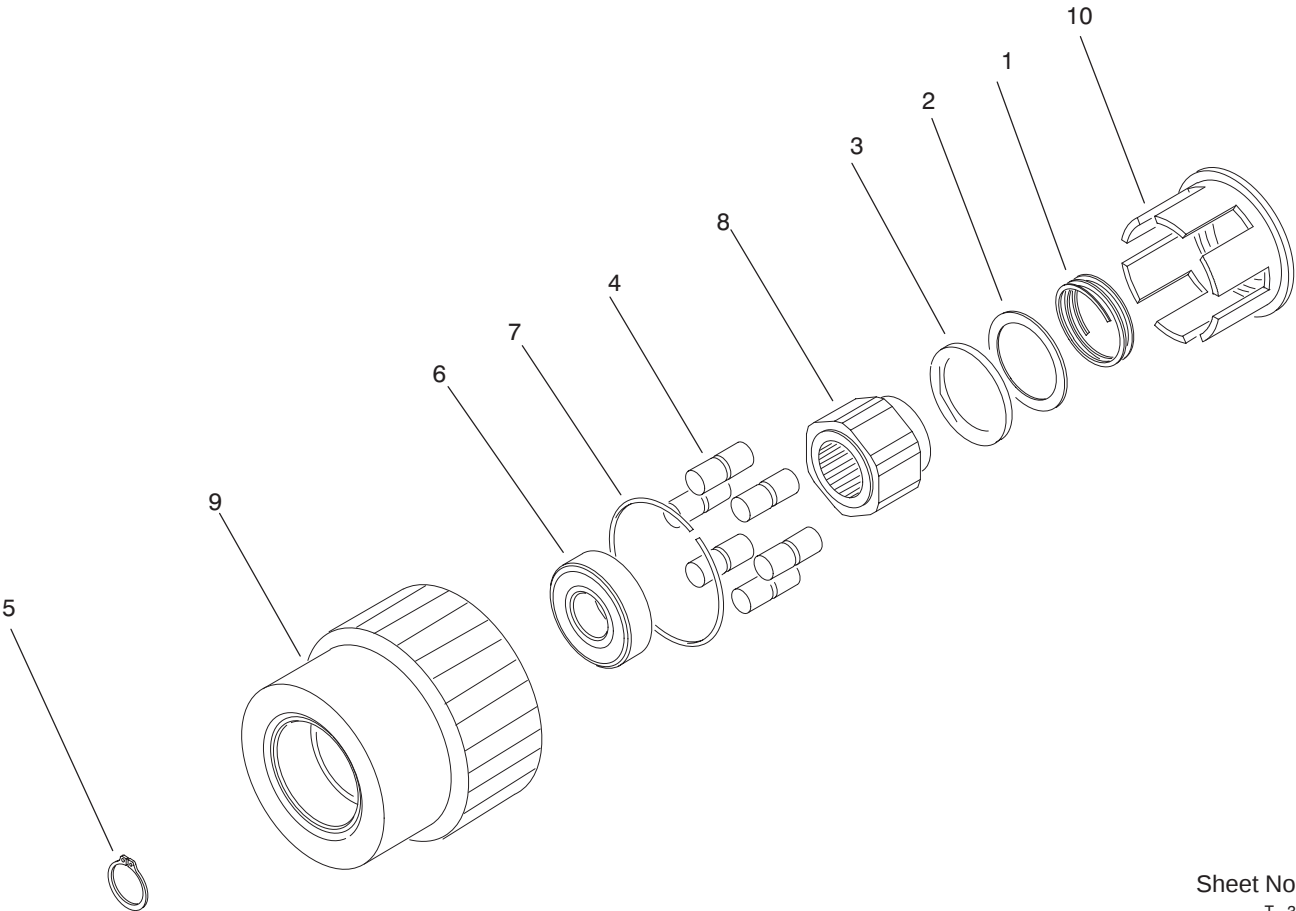


Sheet No.:23

T-3736

Rear Axle Assembly-4WD (Continued)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
41:1	86-5910	1	Tire	63	32144-41	1	Screw-Taptite
41:2	100-2582	1	Rim	64	95-4391	1	Tie Rod ASM
41:3	232-27	1	Stem-Valve	64:1	99-7503	1	Tube & Clamp ASM
42	32128-49	4	Nut-HHF	64:2	323-9	2	Screw-HH
43	32151-104	2	Ring-Retaining, Ext	64:3	3296-39	2	Nut-Lock, NI
44	93-5268	10	Nut-Lug	64:4	71-4740	2	End-Rod, Tie
45	3272-17	2	Pin-Cotter	64:4:1	32136-13	1	Nut-SHH
46	353-508	2	Plug	64:4:2	71-4760	1	Seal
46:1	237-42	1	O-Ring	64:4:3	302-55	1	Zerk
47	92-5839	1	Joint-Ball	65	88-7200	1	Washer-Flat
48	92-5844	1	Spacer-Joint, Ball	66	33114-025	1	Screw-HH
49	340-97	1	Fitting-HYD, 90°	67	3272-12	2	Pin-Cotter
49:1	237-22	1	O-Ring	68	104-2353	2	Pin-Dowel
49:2	237-78	1	O-Ring	69	340-54	1	Elbow-45°
50	98-3806	1	Hydraulic Cylinder ASM	69:1	237-22	1	O-Ring
51	92-5833	2	Spacer-Joint, Ball	69:2	237-78	1	O-Ring
52	94-8246-03	1	Pivot-Rear				
53	325-12	2	Screw-HH				
54	98-7077	1	Pin-Axle, Rear				
55	302-2	1	Fitting-Grease				
56	3296-23	2	Nut-Lock, NI				
57	32136-14	2	Nut-SHH				
59	92-5836	1	Washer-Axle				
60	92-5838-01	1	Joint-Ball				
62	302-33	1	Fitting-Grease				

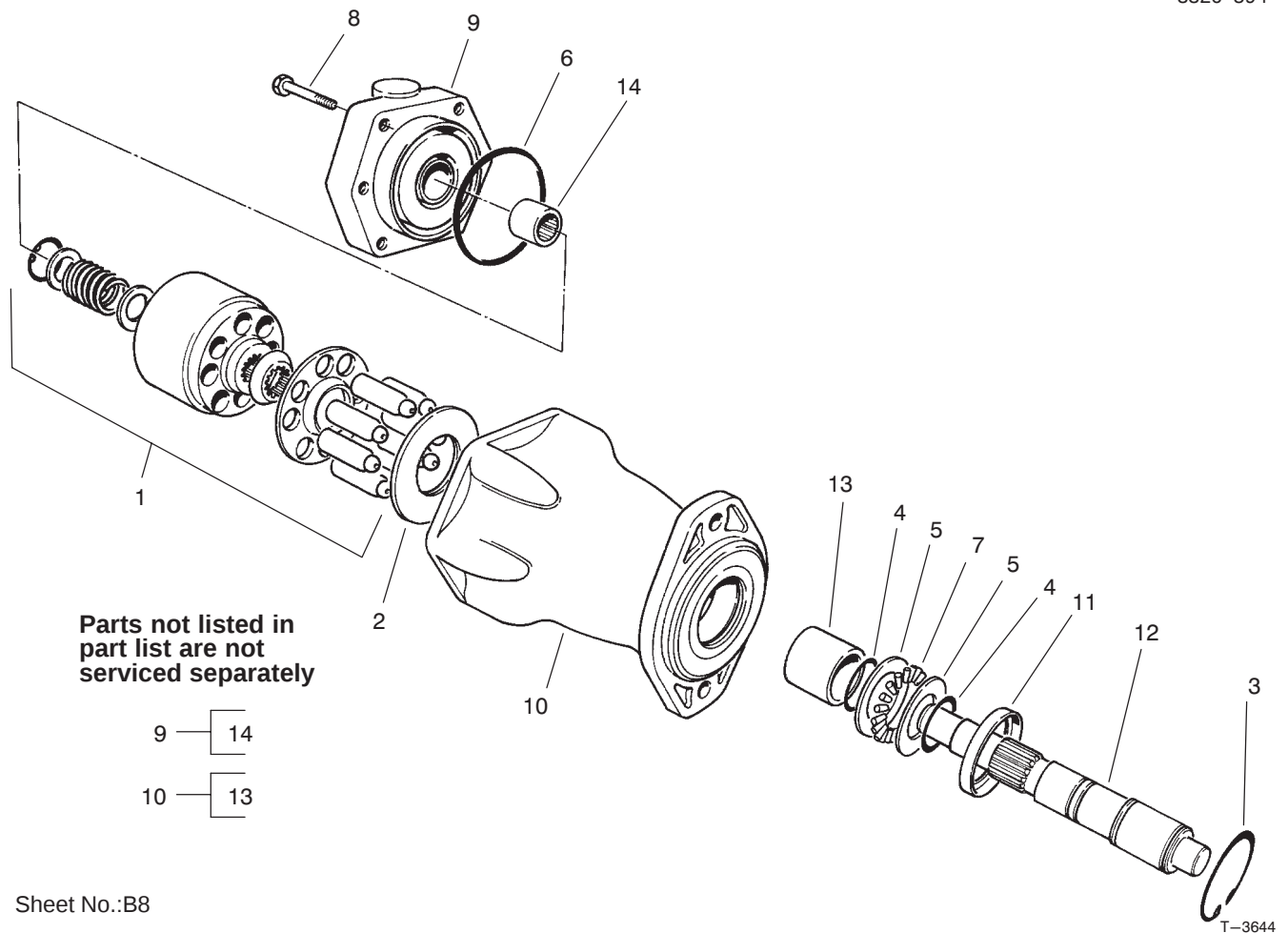


Sheet No.:B7
T-3643

Bi-Directional Clutch Assembly No. 99-7500

Ref. No.	Part No.	Qty.	Description
1	93-8923	1	Spring – Wave
2	93-8929	1	Washer – Thrust
3	93-8919	1	Bearing – Thrust Needle
4	93-8925	6	Roller
5	32151-96	1	Ring–Retaining
6	100-2572	1	Bearing
7	100-2571	1	Spring–Form, Wire
8	100-2570	1	Hub ASM
9	100-2569	1	Housing ASM
10	100-2568	1	Roll Cage ASM

Ref. No.	Part No.	Qty.	Description

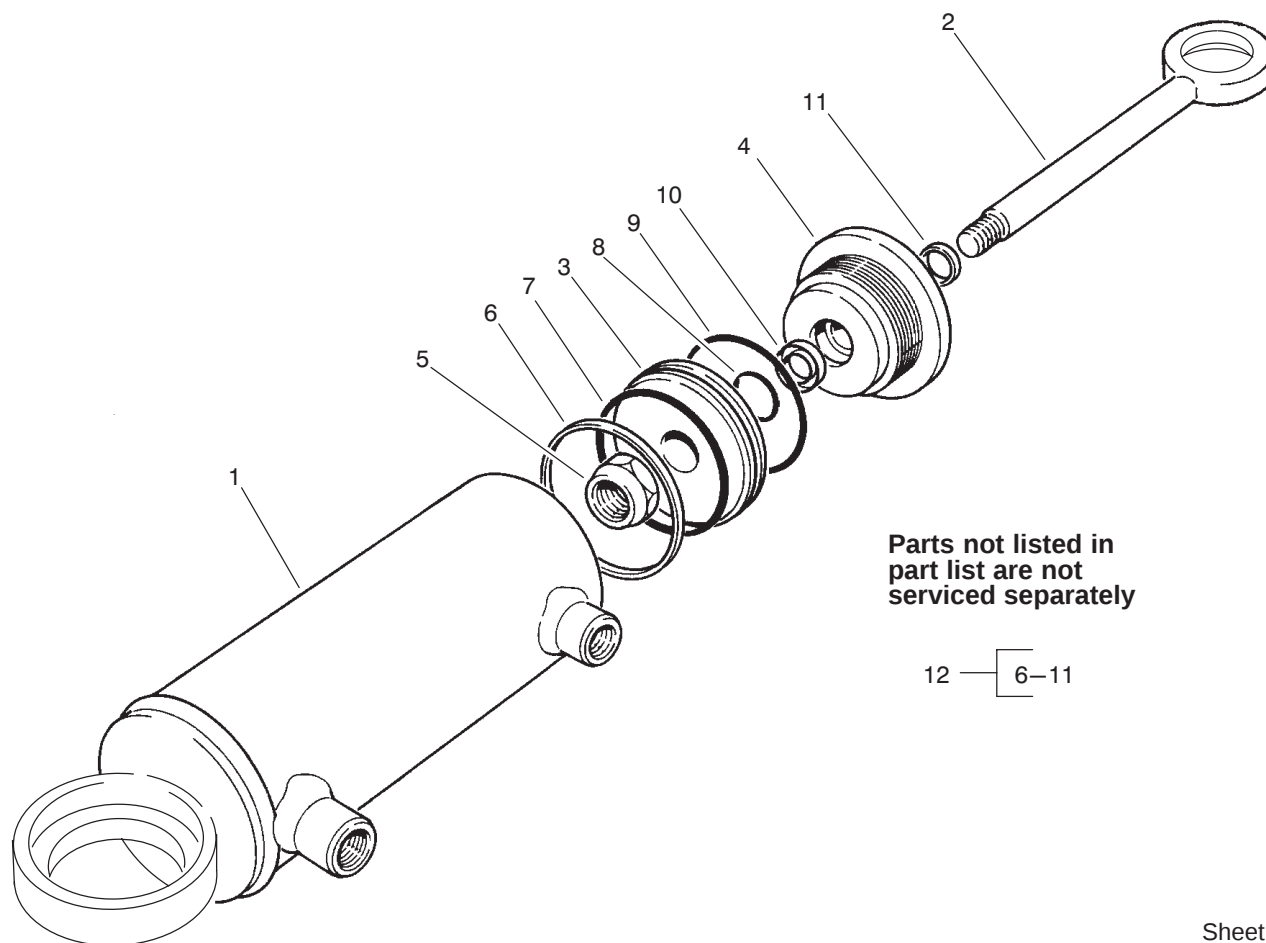


Sheet No.:B8

Hydraulic Motor Assembly No. 99-7502

Ref. No.	Part No.	Qty.	Description
1	76-6910	1	Rotating Kit ASM
2	76-6970	1	Insert-Plate, Cam
3	76-7010	1	Ring-Retaining
4	76-7000	2	Ring-Retaining
5	76-6950	2	Race-Thrust
6	76-6980	1	O-Ring
7	76-6960	1	Bearing-Thrust
8	100-2550	6	Screw, Cap
9	100-2551	1	Backplate
10	100-2552	1	Housing
11	100-2553	1	Seal, Shaft
12	100-2554	1	Shaft, Drive

Ref. No.	Part No.	Qty.	Description



**Parts not listed in
part list are not
serviced separately**

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Sheet No.:B9

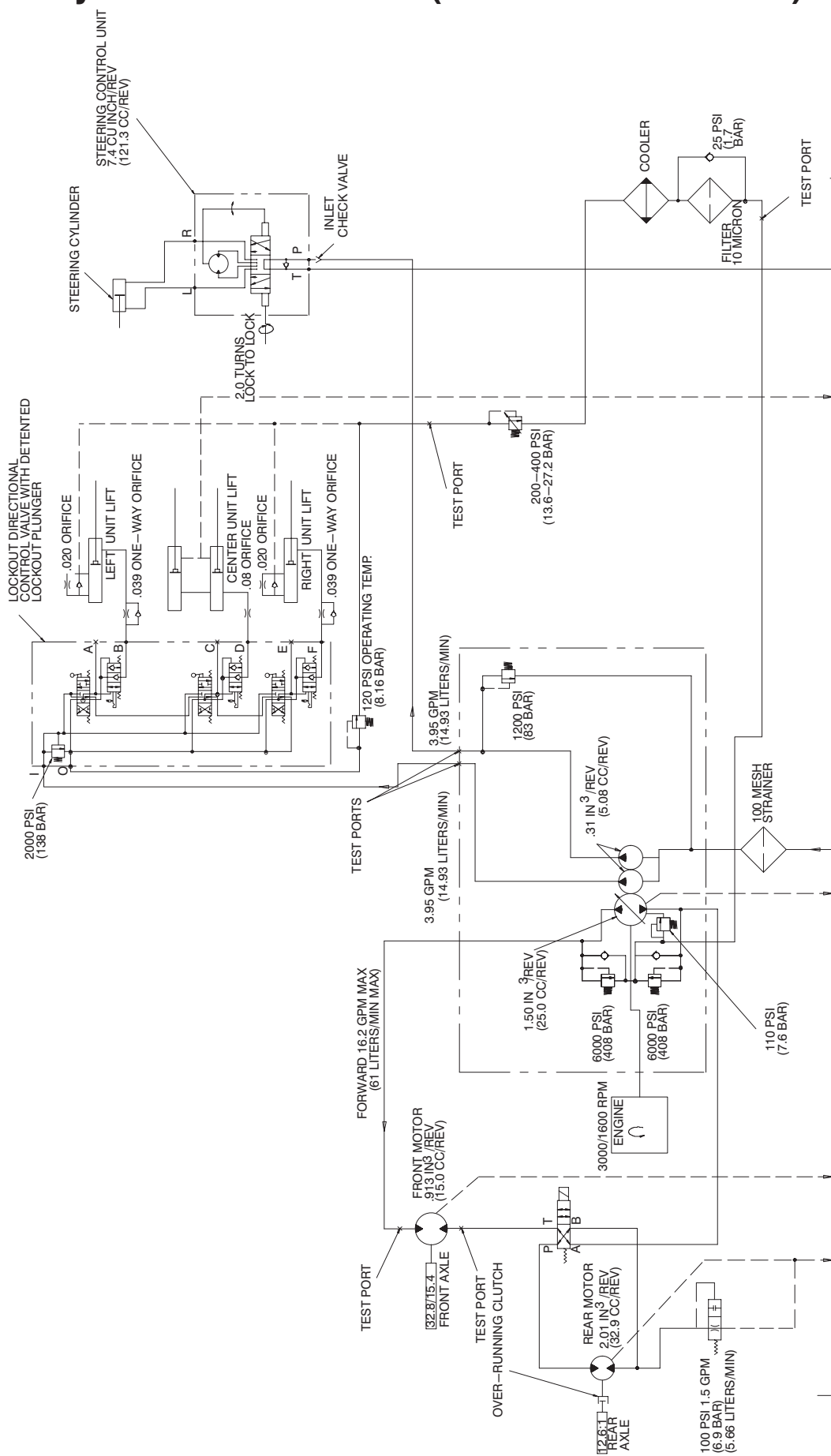
T-3527

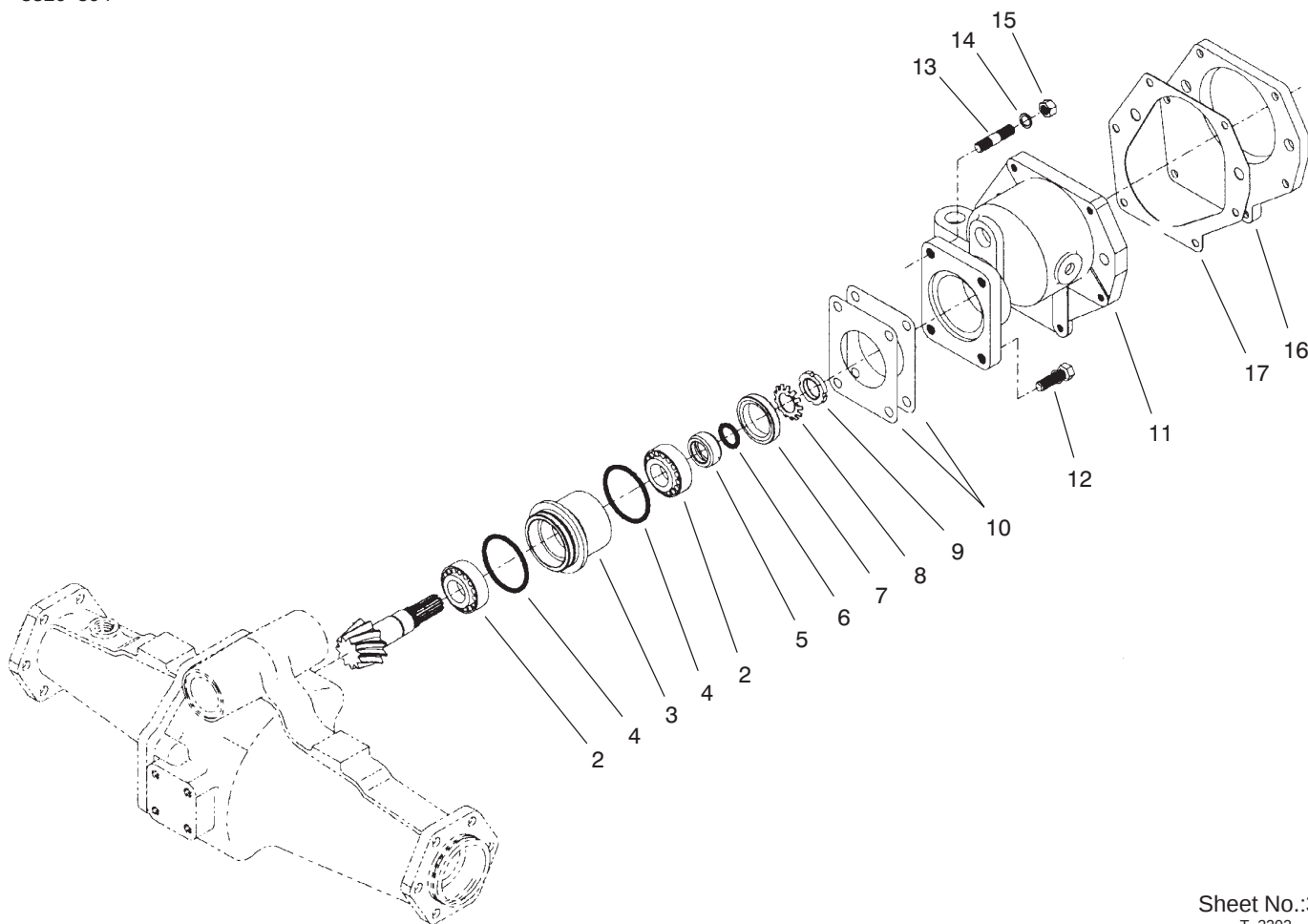
Hydraulic Cylinder Assembly No. 98-3806

Ref. No.	Part No.	Qty.	Description
1	99-4753	1	Butt & Tube ASM
2	99-4754	1	Piston & Rod ASM
3	66-1940	1	Piston
4	92-6588	1	Gland
5	66-1930	1	Locknut
12	92-6593	1	Kit-Packing, 4wd

Ref. No.	Part No.	Qty.	Description

Hydraulic Schematic (Model No. 30455TS)



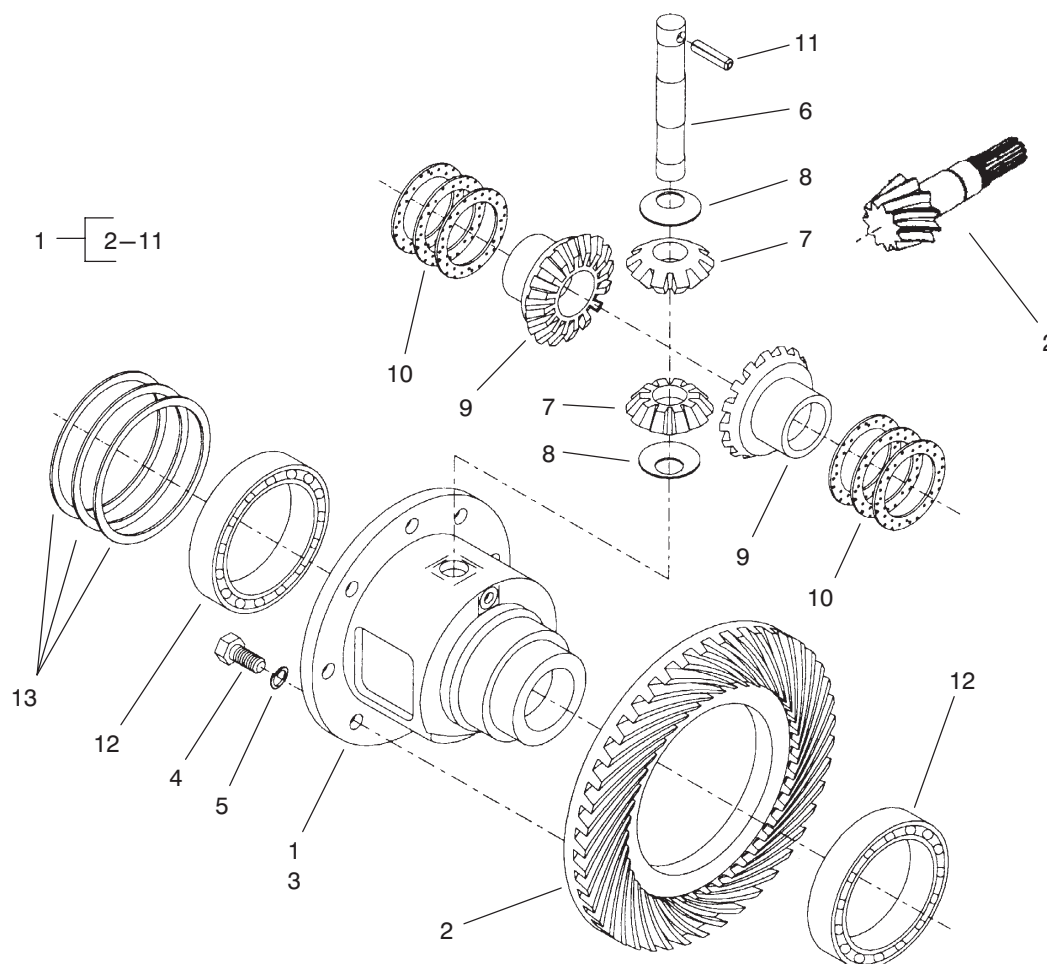


Sheet No.:3
T-3202

Rear Axle Assembly No. 95–7500 (Only on: 30455) Bevel Pinion Shaft Assembly

Ref. No.	Part No.	Qty.	Description
2	99-7570	2	Bearing-Roller, Taper
3	95-7534	1	Case-Bearing
4	99-7571	2	O-Ring
5	99-7572	1	Collar-Seal, Oil
6	99-7573	1	O-Ring
7	99-7574	1	Seal-Oil
8	99-7559	1	Washer-Lock
9	99-7560	1	Nut-Lock
10	99-7550	2	Shim 0.1
10	99-7551	2	Shim 0.2
11	95-7533	1	Case, Gear
12	99-7575	2	Bolt
13	100-2556	2	Stud
14	99-7527	2	Washer-Spring
15	99-7526	2	Nut
16	95-7541	1	Plate-Cover
17	95-7540	1	Gasket

Ref. No.	Part No.	Qty.	Description



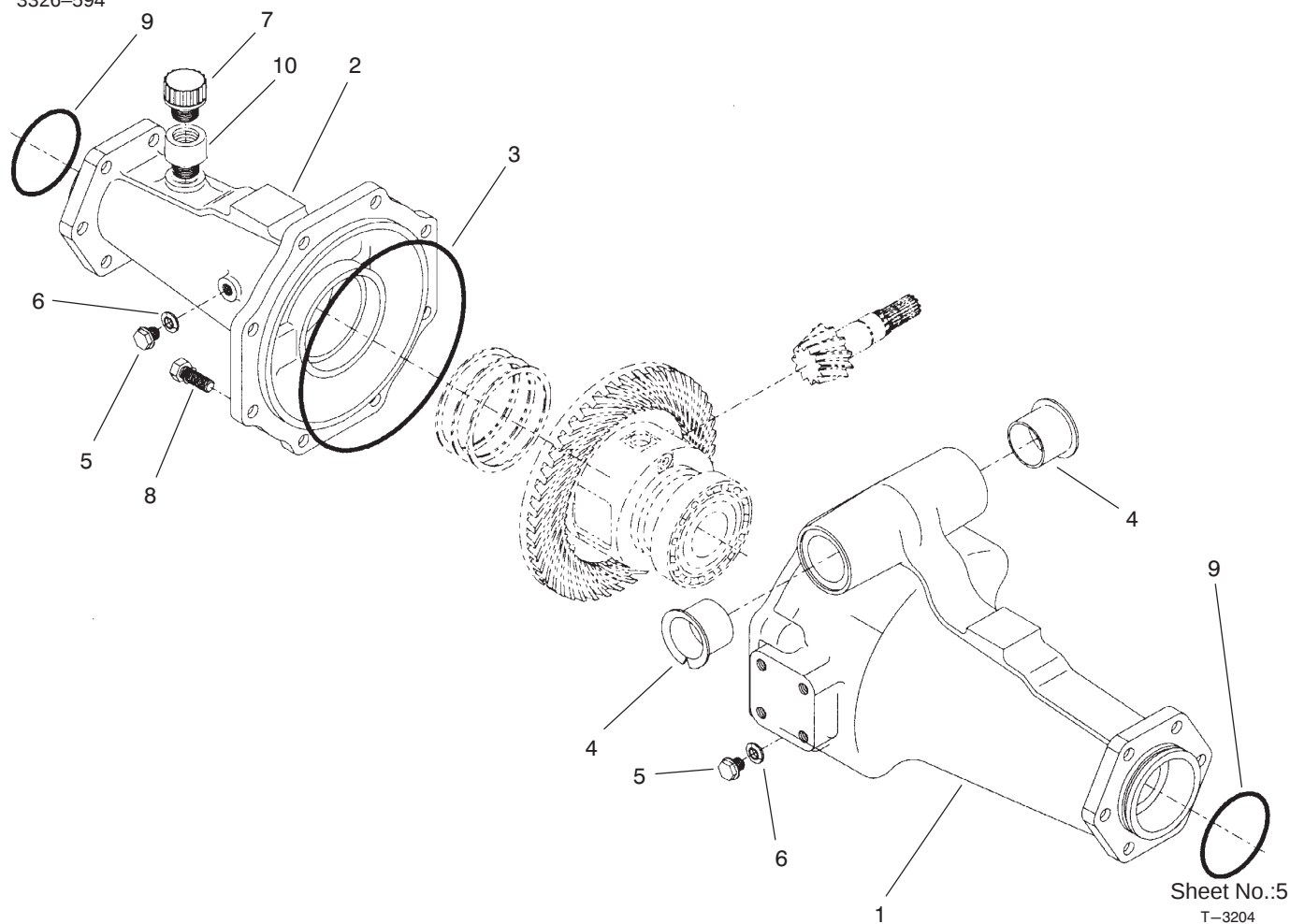
Sheet No.:4
T-3646

Rear Axle Assembly No. 95–7500 (Continued)

Differential Assembly (Only on: 30455)

Ref. No.	Part No.	Qty.	Description
1	95-7503	1	Differential ASM
2	100-2555	1	Set-Matched, Ring And Pinion
3	95-7502	1	Case-Differential
4	99-7576	8	Bolt
5	99-7577	8	Washer-Spring
6	99-7578	1	Shaft-Differential
7	99-7579	2	Pinion-Differential
8	99-7580	2	Washer-Differential
9	99-7581	2	Gear-Differential
10	99-7582	2	Washer-Differential
10	99-7583	2	Washer-Differential
10	99-7584	2	Washer-Differential
11	99-7588	1	Pin-Spring
12	99-7562	2	Bearing-Ball
13	99-7585	2	Shim 0.1
13	99-7586	2	Shim 0.2
13	99-7587	2	Shim 0.4

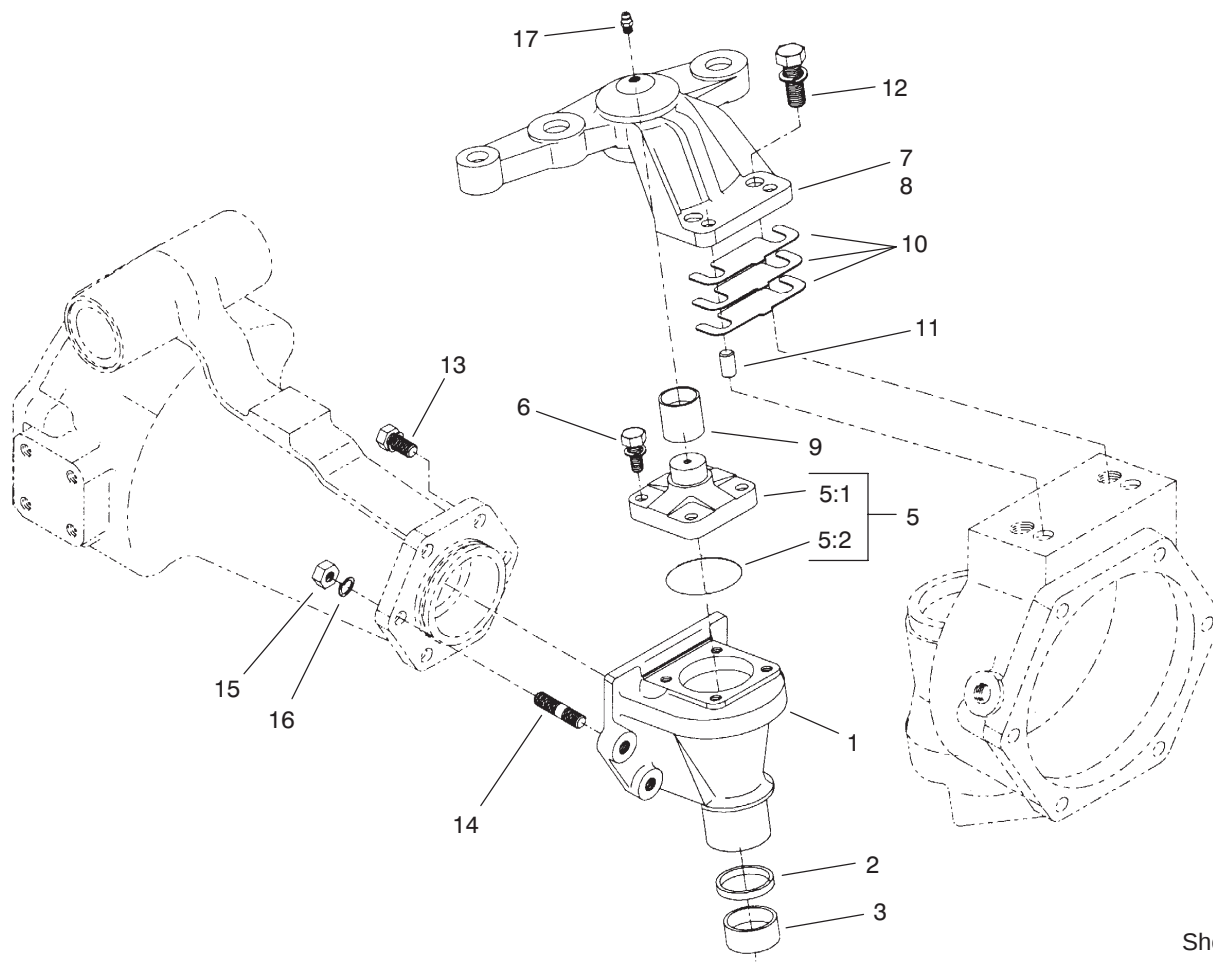
3326-594



Rear Axle Assembly No. 95-7500 (Continued) Axle Support Assembly (Only on: 30455)

Ref. No.	Part No.	Qty.	Description
1	95-7508	1	Support-Axle
2	95-7506	1	Support-Axle
3	95-7507	1	O-Ring
4	95-7537	2	Bushing-Flanged
5	99-7589	2	Plug
6	99-7590	2	Washer-Seal
7	99-7591	1	Oil Plug ASM
8	99-7592	8	Bolt
9	99-7593	2	O-Ring
10	104-2377	1	Extension, Vent

Ref. No.	Part No.	Qty.	Description



Sheet No.:6
T-3571

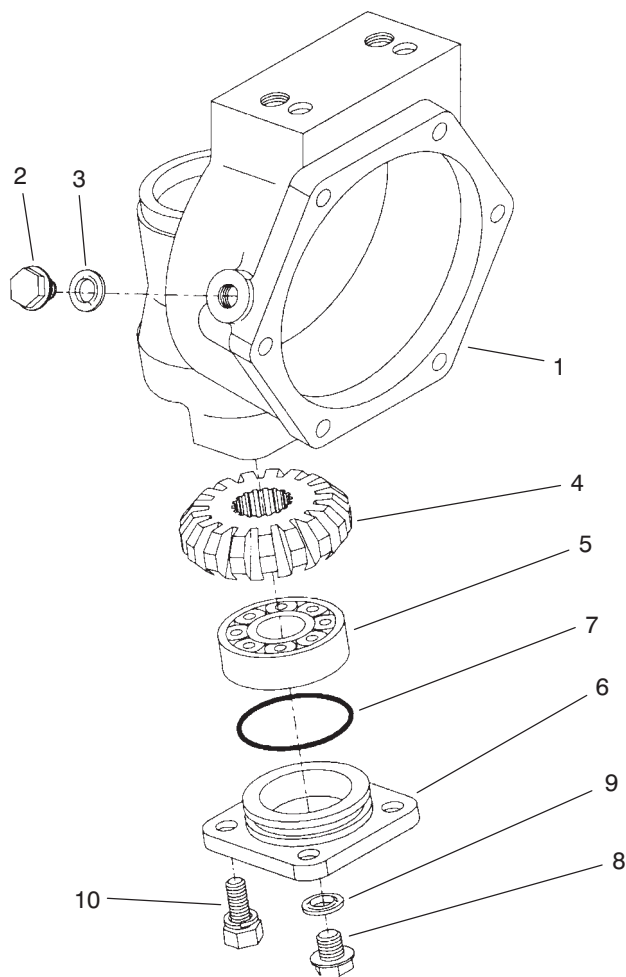
Rear Axle Assembly No. 95–7500 (Continued)

Bevel Gear Case Assembly (Only on: 30455)

Ref. No.	Part No.	Qty.	Description
1	95-7538	2	Case-Gear, Bevel
2	100-2557	2	Seal, Oil
3	104-2378	2	Bushing
5	104-2376	2	Knuckle ASM
5:1	104-2373	1	Knuckle
5:2	104-2372	1	O-Ring
6	104-2374	8	Bolt
7	95-7513	1	Support-Case, Axle LH
8	95-7515	1	Support-Case, AxleRH
9	99-7529	2	Bushing
10	95-7547	2	Shim 0.1
10	95-7548	2	Shim 0.2
10	95-7549	2	Shim 0.4
11	99-7597	4	Pin-Dowel
12	104-2375	4	Bolt
13	99-7599	8	Bolt
14	99-7525	4	Stud
15	99-7526	4	Nut
16	99-7527	4	Washer-Spring
17	99-7528	2	Nipple-Grease

Sheet No.:7
T-3206

Ref. No.	Part No.	Qty.	Description



Sheet No.:8
T-3207

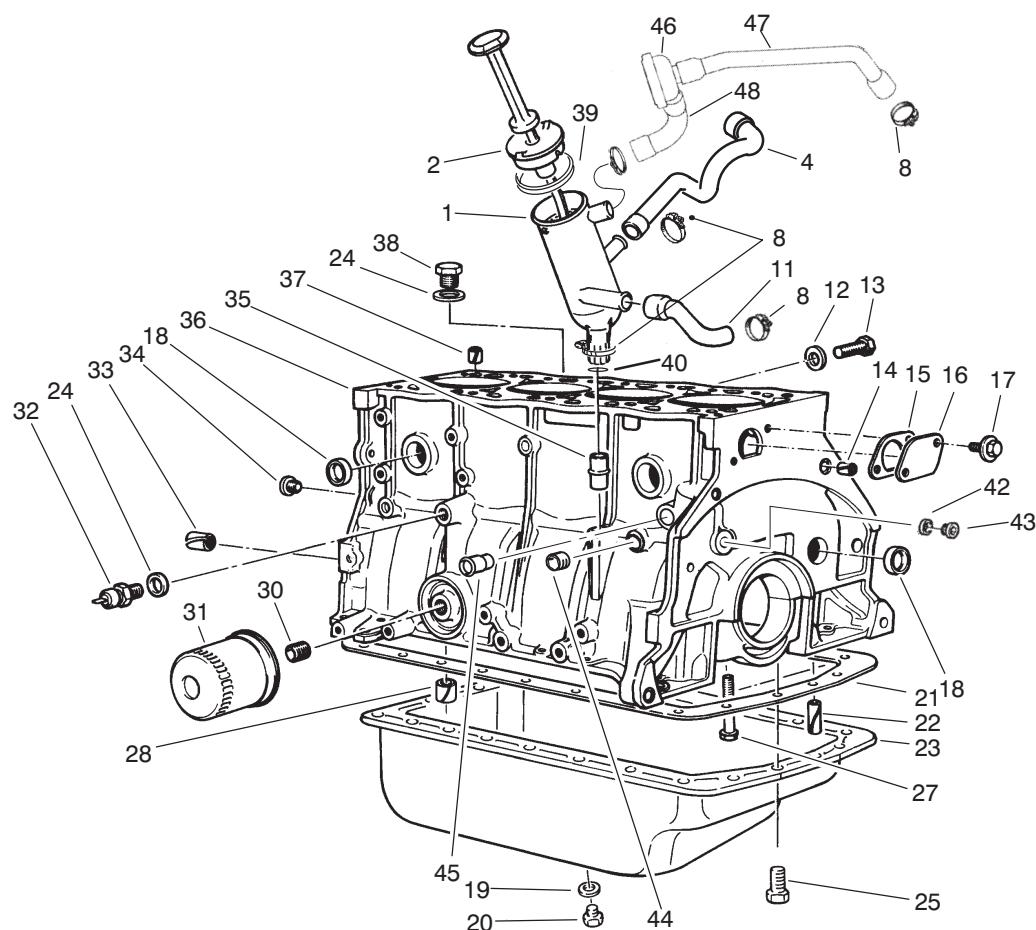
Rear Axle Assembly No. 95-7500 (Continued) Axle Case Assembly (Only on: 30455)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	95-7531	2	Case, Axle				
2	99-7535	2	Plug				
3	99-7536	2	Washer-Seal				
4	95-7527	2	Gear-Bevel, 17 Tooth				
5	99-7532	2	Bearing-Roller, Taper				
6	100-2560	2	Cover				
7	100-2561	2	O-Ring				
8	99-7589	2	Plug				
9	99-7590	2	Washer-Seal				
10	100-2562	8	Bolt				

T-3108

Ref. No.	Part No.	Qty.	Description
1	95-7522	2	Axle
2	99-7564	2	Seal-Oil
3	95-7544	4	Clip
4	95-7523	2	Spacer
5	99-7555	2	Shim 0.3
5	99-7556	2	Shim 0.2
5	99-7557	2	Shim 0.5
6	95-7524	2	Gear-Bevel, 29 Tooth
7	99-7534	2	Bearing-Ball
8	95-7521	2	Cover-Axle
9	99-7538	2	O-Ring
10	99-7561	2	Bearing-Ball
11	99-7539	2	Clip
12	99-7596	12	Bolt
13	99-7563	10	Stud

Ref. No.	Part No.	Qty.	Description



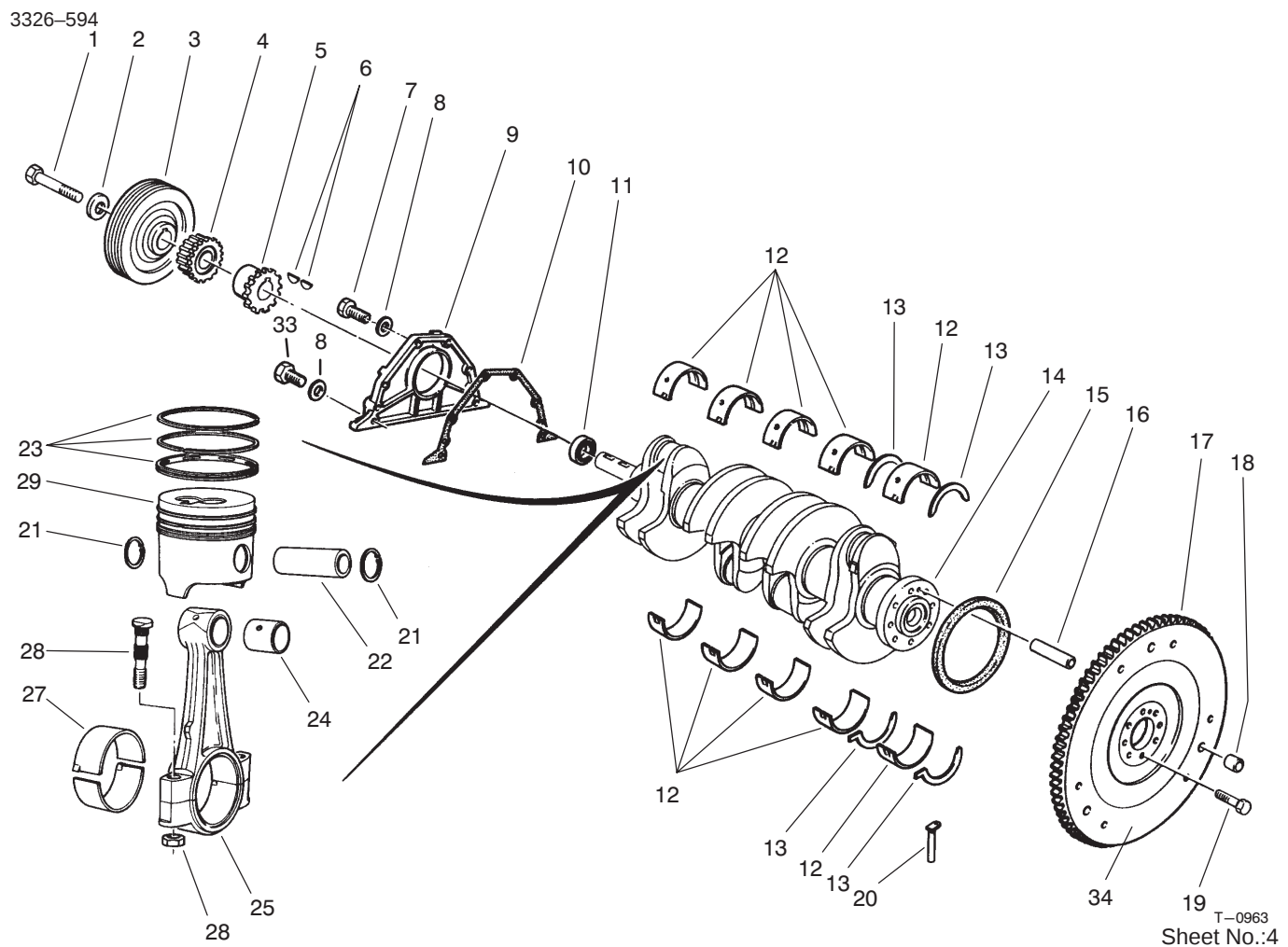
Sheet No.:3

T-2142

Crankcase Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	94-3181	1	Oil Filler	31	74-7970	1	Oil Filter
2	94-3182	1	Plug	32	94-3180	1	Pressure Switch
4	94-3184	1	Hose-Crankcase	33	74-7990	4	Spring Pin
8	2412-129	8	Clamp-Hose	34	74-8000	2	Plug
11	74-7770	1	Hose - Crank Case	35	74-8010	1	Tube
12	74-7780	1	Gasket	36	94-3100	1	Cylinder Block
13	74-7790	1	Screw	37	74-8030	1	Spring Pin
14	74-7800	2	Spring Pin	38	74-8040	1	Plug
15	74-7810	1	Gasket-Plate	39	94-3183	1	Gasket
16	74-7820	1	Plate	40	94-3186	1	O-Ring
17	94-3112	2	Screw	42	94-3106	2	Gasket
18	74-7840	8	Plug	43	94-3104	2	Plug-Threaded
18	94-3108	8	Plug-27.5mm	44	94-3103	1	Plug-Threaded
18	94-3109	9	Plug-28.5mm	45	94-3110	1	Stud
19	74-7320	1	Gasket-Oil Drain Plug	46	74-5760	1	Valve Pvc F/W
20	74-7310	1	Oil Drain Plug	47	94-3192	1	Hose-Manifold
21	74-7380	1	Oil Sump Gasket	48	94-3191	1	Hose-Pcv Valve
22	94-3111	2	Pin	*52	94-3101	1	Gasket Set
23	74-7300	1	Oil Sump Assy	*53	77-3600	1	Shield-Adapter
24	74-7850	2	Gasket				
25	74-7330	23	Screw-HH				
26	77-3790	1	Drain Plug				
27	74-7930	10	Capscrew-Bearing				
28	74-7940	1	Spring Bushing				
29	74-7950	6	Plate Screw				
30	74-7960	1	Filter Stud				

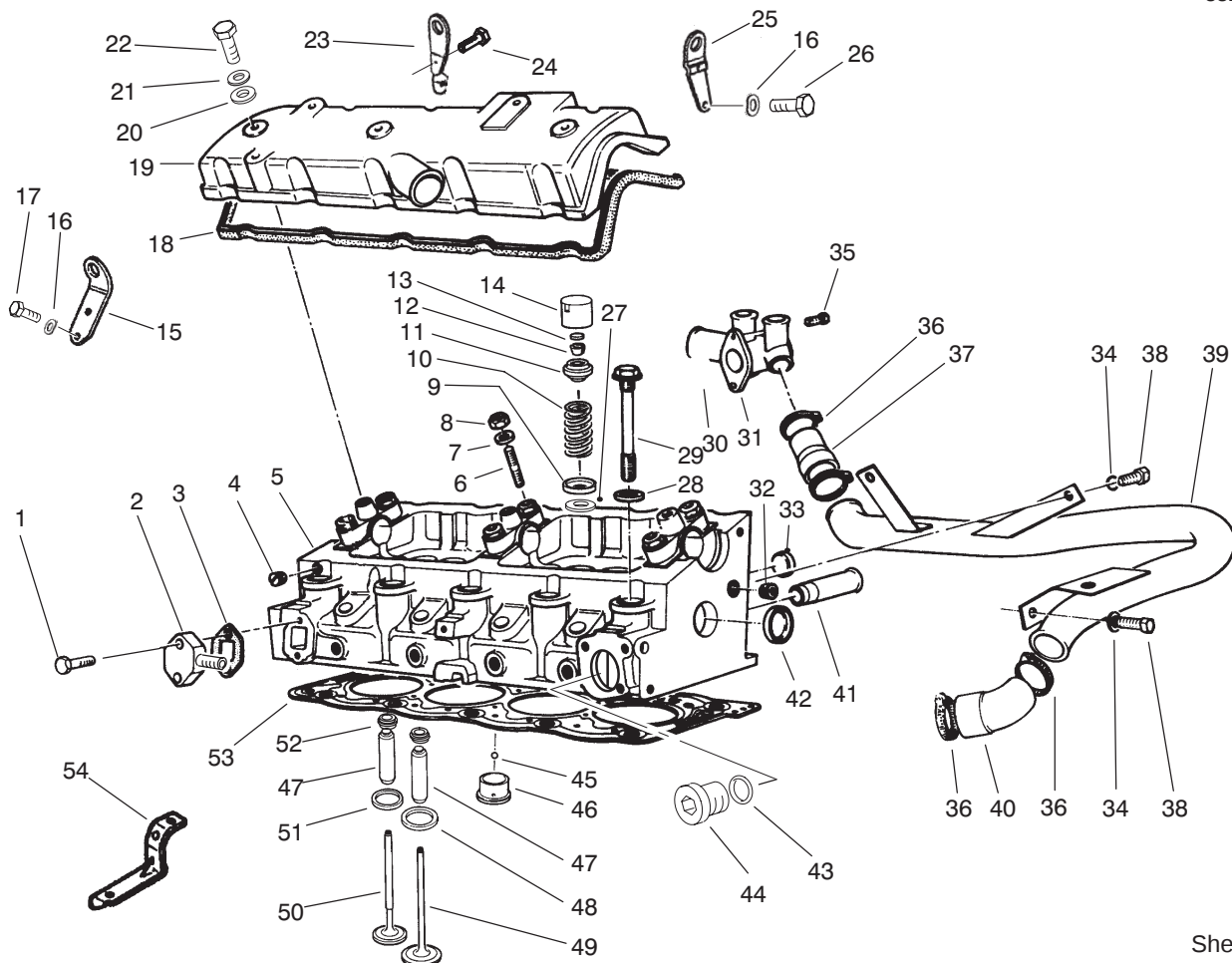
* Not illustrated



Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	94-3145	1	Screw-Pulley
2	74-8080	1	Washer
3	94-3144	1	Pulley-Crankshaft
4	74-8100	1	Pinion Gear
5	74-8110	1	Oil Pump Sprocket
6	74-8120	2	Key - Woodruff
7	94-3150	4	Screw-HH
8	94-3151	6	Washer-Spring
9	74-8140	1	Cover
10	74-8150	1	Cover Gasket
11	94-3148	1	Gasket
12	74-8170	5	Bearing Set (STD)
12	74-8180	2	Bearing Set (.30mm Os)
13	74-8200	2	Thrust Bearing Set
13	74-8210	2	Thrust Bearing Set
13	74-8220	2	Thrust Bearing Set
13	94-3141	2	Flange Set
14	74-8230	1	Crank Shaft
15	74-8240	1	Seal
16	74-7990	1	Spring Pin
17	94-3149	1	Gear-Flywheel
18	74-8270	3	Pin
19	74-8280	8	Screw Hex Hd
20	74-8290	2	Cap-Bearing
21	74-8300	8	Piston Pin Clip

Ref. No.	Part No.	Qty.	Description
22	74-8310	4	Piston Pin
23	74-8320	4	Piston Ring Set
23	74-8330	4	Piston Ring Set
23	74-8340	4	Piston Ring Set
23	94-3158	4	Piston Ring Set
24	94-3154	4	Bushing
25	94-3153	4	Connecting Rod Set
27	74-8380	4	Bearing-Connecting Rod
27	94-3155	1	Bearing Set-1st Repair
28	74-8400	8	Bolt - Connecting Rod
29	74-8420	1	Piston Set
29	74-8430	1	Piston Set
29	74-8440	1	Piston Set
29	94-3157	1	Piston Set
33	94-3152	2	Screw-HH
34	74-8260	1	Flywheel



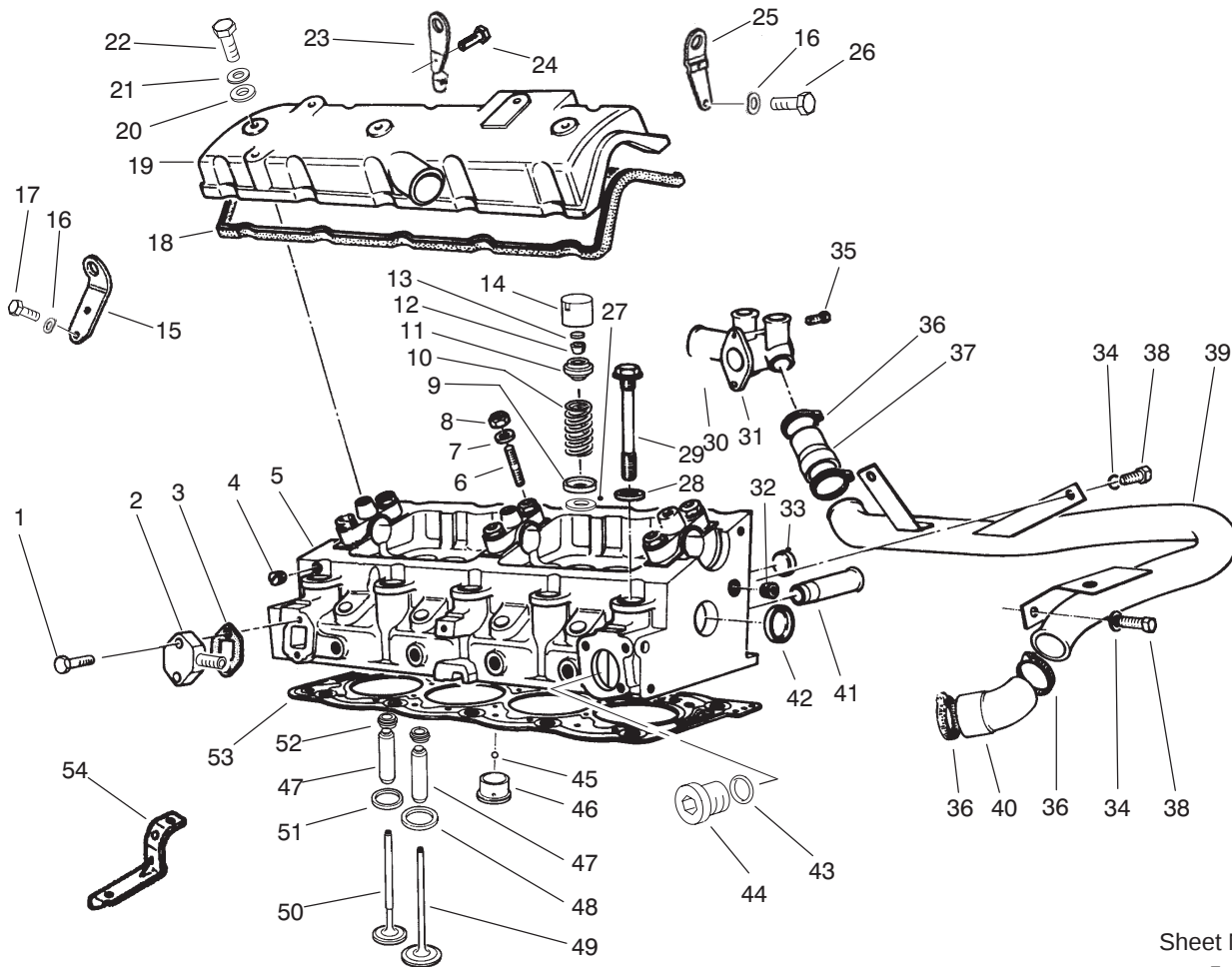
Sheet No.:5

T-3504

Cylinder Head Assembly

Ref. No.	Part No.	Qty.	Description
1	94-3123	2	Capscrew
2	94-3117	1	Plate
3	94-3116	1	Gasket
4	74-7600	4	Plug
5	94-3113	1	Cylinder Head
5	94-9965	1	Cylinder Head ASM
6	76-5130	6	Stud
7	74-8900	6	Washer - Flat
8	94-3115	6	Nut
9	74-6570	8	Cup-Lower Valve Spring
10	74-6560	8	Valve Spring
11	74-6550	8	Cup
12	74-7240	16	Split Collar
13	74-6580	8	Insert - Valve (1.65mm)
13	74-6590	8	Insert - Valve (1.725mm)
13	74-6600	8	Insert - Valve (1.800mm)
13	74-6610	8	Insert - Valve (1.900mm)
13	74-6620	8	Insert - Valve (1.975mm)
13	74-6630	8	Insert - Valve (2.050mm)

Ref. No.	Part No.	Qty.	Description
13	74-6640	8	Insert - Valve (2.125mm)
13	74-6650	8	Insert - Valve (2.225mm)
13	74-6660	8	Insert - Valve (2.250mm)
13	74-6670	8	Insert - Valve (2.275mm)
13	74-6680	8	Insert - Valve (2.300mm)
13	74-6690	8	Insert - Valve (2.325mm)
13	74-6700	8	Insert - Valve (2.350mm)
13	74-6710	8	Insert - Valve (2.375mm)
13	74-6720	8	Insert - Valve (2.400mm)
13	74-6730	8	Insert - Valve (2.425mm)
13	74-6740	8	Insert - Valve (2.450mm)
13	74-6750	8	Insert - Valve (2.475mm)
13	74-6760	8	Insert - Valve (2.500mm)



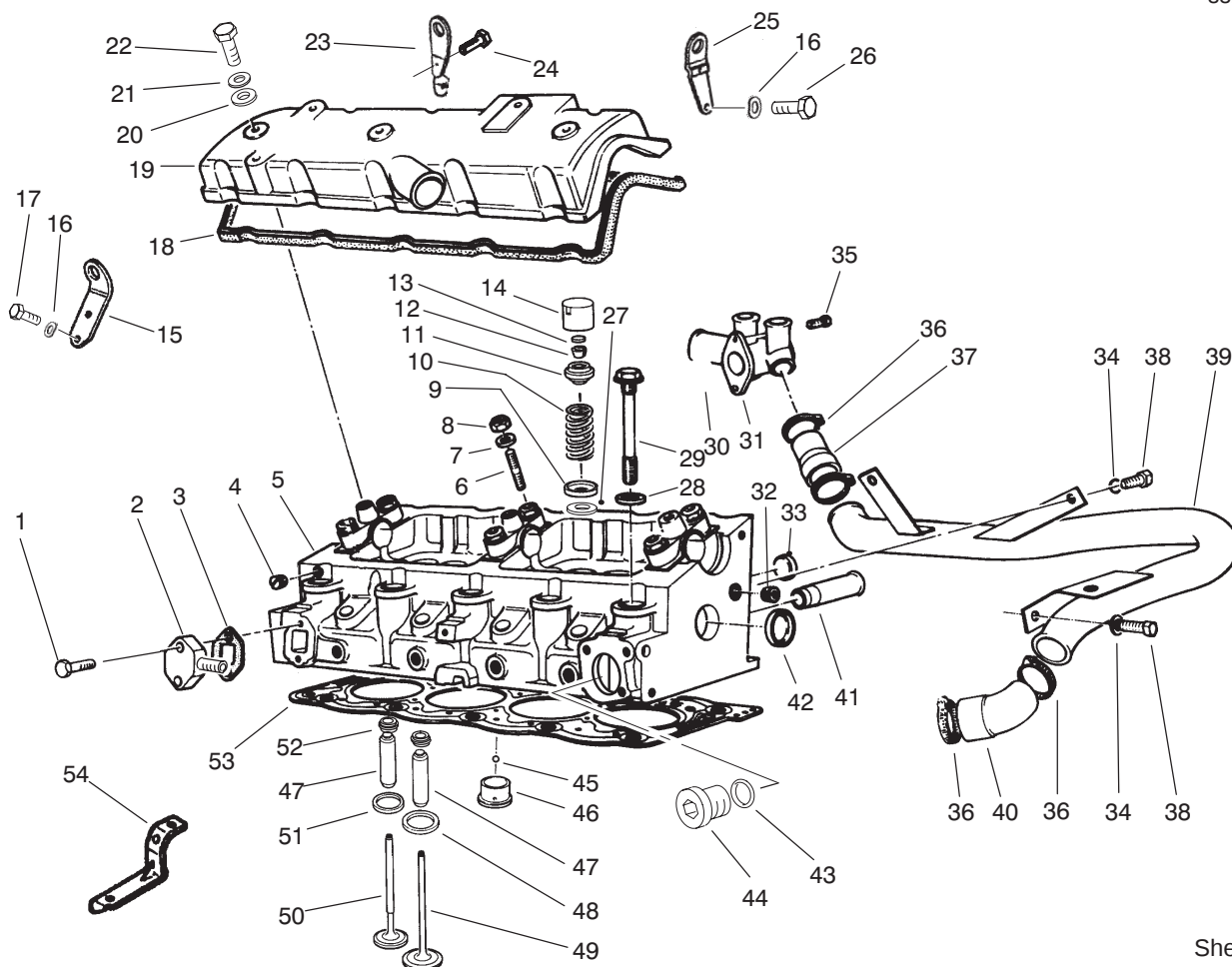
Sheet No.:5

T-3504

Cylinder Head Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
13	74-6770	8	Insert -Valve (2.525mm)
13	74-6780	8	Insert -Valve (2.550mm)
13	74-6790	8	Insert -Valve (2.575mm)
13	74-6800	8	Insert -Valve (2.600mm)
13	74-6810	8	Insert -Valve (2.625mm)
13	74-6820	8	Insert -Valve (2.650mm)
13	74-6830	8	Insert -Valve (2.675mm)
13	74-6840	8	Insert -Valve (2.700mm)
13	74-6850	8	Insert -Valve (2.725mm)
13	74-6860	8	Insert -Valve (2.750mm)
13	74-6870	8	Insert -Valve (2.775mm)
13	74-6880	8	Insert -Valve (2.800mm)
13	74-6890	8	Insert -Valve (2.825mm)

Ref. No.	Part No.	Qty.	Description
13	74-6900	8	Insert -Valve (2.850mm)
13	74-6910	8	Insert -Valve (2.875mm)
13	74-6920	8	Insert -Valve (2.900mm)
13	74-6930	8	Insert -Valve (2.925mm)
13	74-6940	8	Insert -Valve (2.950mm)
13	74-6950	8	Insert -Valve (2.975mm)
13	74-6960	8	Insert -Valve (3.000mm)
13	74-6970	8	Insert -Valve (3.025mm)
13	74-6980	8	Insert -Valve (3.050mm)
13	74-6990	8	Insert -Valve (3.075mm)
13	74-7000	8	Insert -Valve (3.100mm)
13	74-7010	8	Insert -Valve (3.125mm)
13	74-7020	8	Insert -Valve (3.150mm)

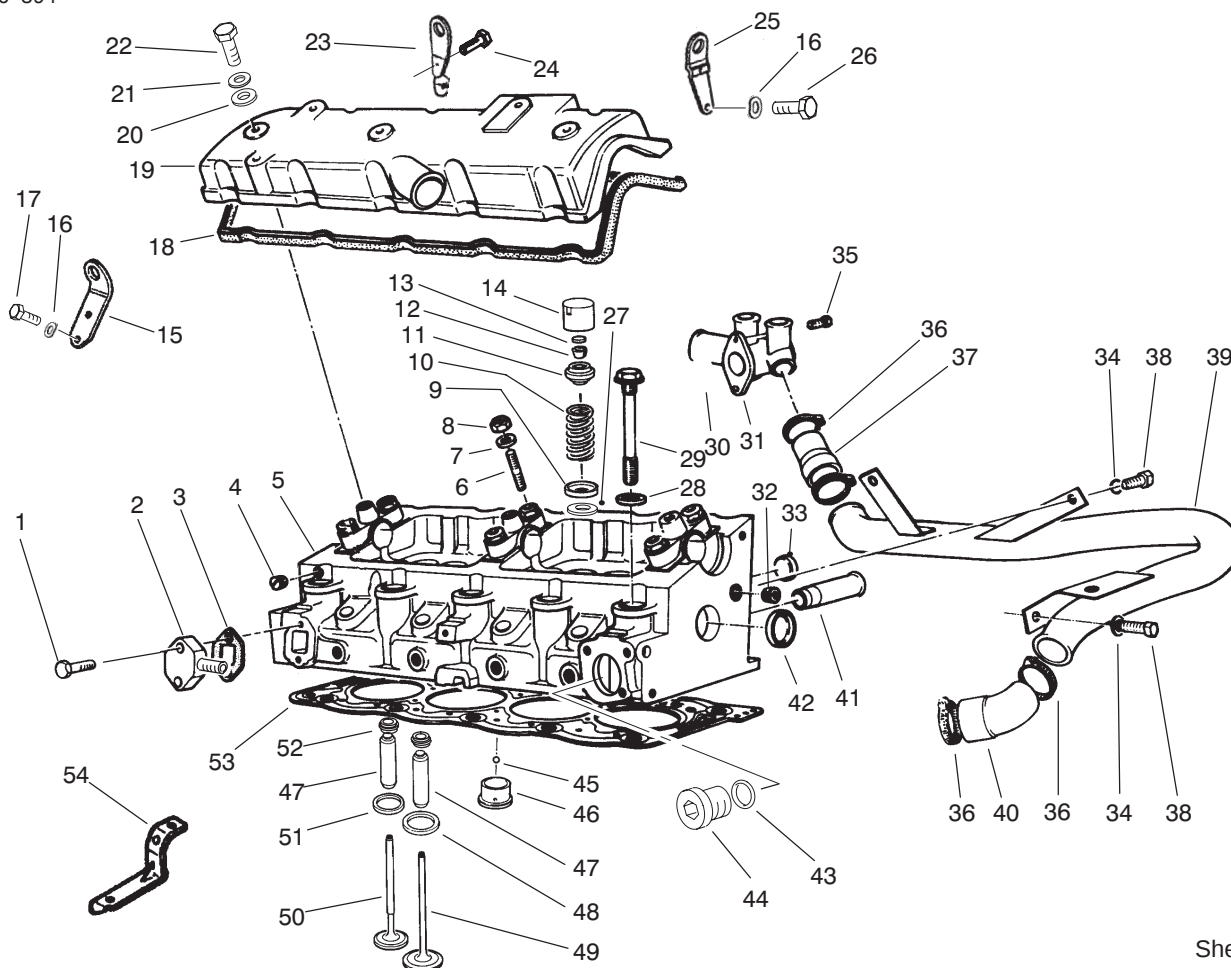


Sheet No.:5

T-3504

Cylinder Head Assembly (Continued)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
13	74-7030	8	Insert -Valve (3.175mm)	13	74-7160	8	Insert -Valve (3.500mm)
13	74-7040	8	Insert -Valve (3.200mm)	13	74-7170	8	Insert -Valve (3.550mm)
13	74-7050	8	Insert -Valve (3.225mm)	13	74-7180	8	Insert -Valve (3.625mm)
13	74-7060	8	Insert -Valve (3.250mm)	13	74-7190	8	Insert -Valve (3.700mm)
13	74-7070	8	Insert -Valve (3.275mm)	13	74-7200	8	Insert -Valve (3.775mm)
13	74-7080	8	Insert -Valve (3.300mm)	13	74-7210	8	Insert -Valve (3.850mm)
13	74-7090	8	Insert -Valve (3.325mm)	13	74-7220	8	Insert -Valve (3.925mm)
13	74-7100	8	Insert -Valve (3.350mm)	13	74-7230	8	Insert -Valve (4.000mm)
13	74-7110	8	Insert -Valve (3.375mm)	14	74-6540	8	Tappet - Valve
13	74-7120	8	Insert -Valve (3.400mm)	15	94-3155	1	Bearing Set-1st Repair
13	74-7130	8	Insert -Valve (3.425mm)	16	74-7560	3	Lockwasher
13	74-7140	8	Insert -Valve (3.450mm)	17	76-5470	2	Capscrew - Hex Head
13	74-7150	8	Insert -Valve (3.475mm)	18	74-7630	1	Gasket - Valve Cover
				19	74-7640	1	Valve Cover
				20	74-7650	3	Washer - Flat
				21	94-3125	3	Washer-Plate
				22	94-3124	3	Screw-HH



Sheet No.:5

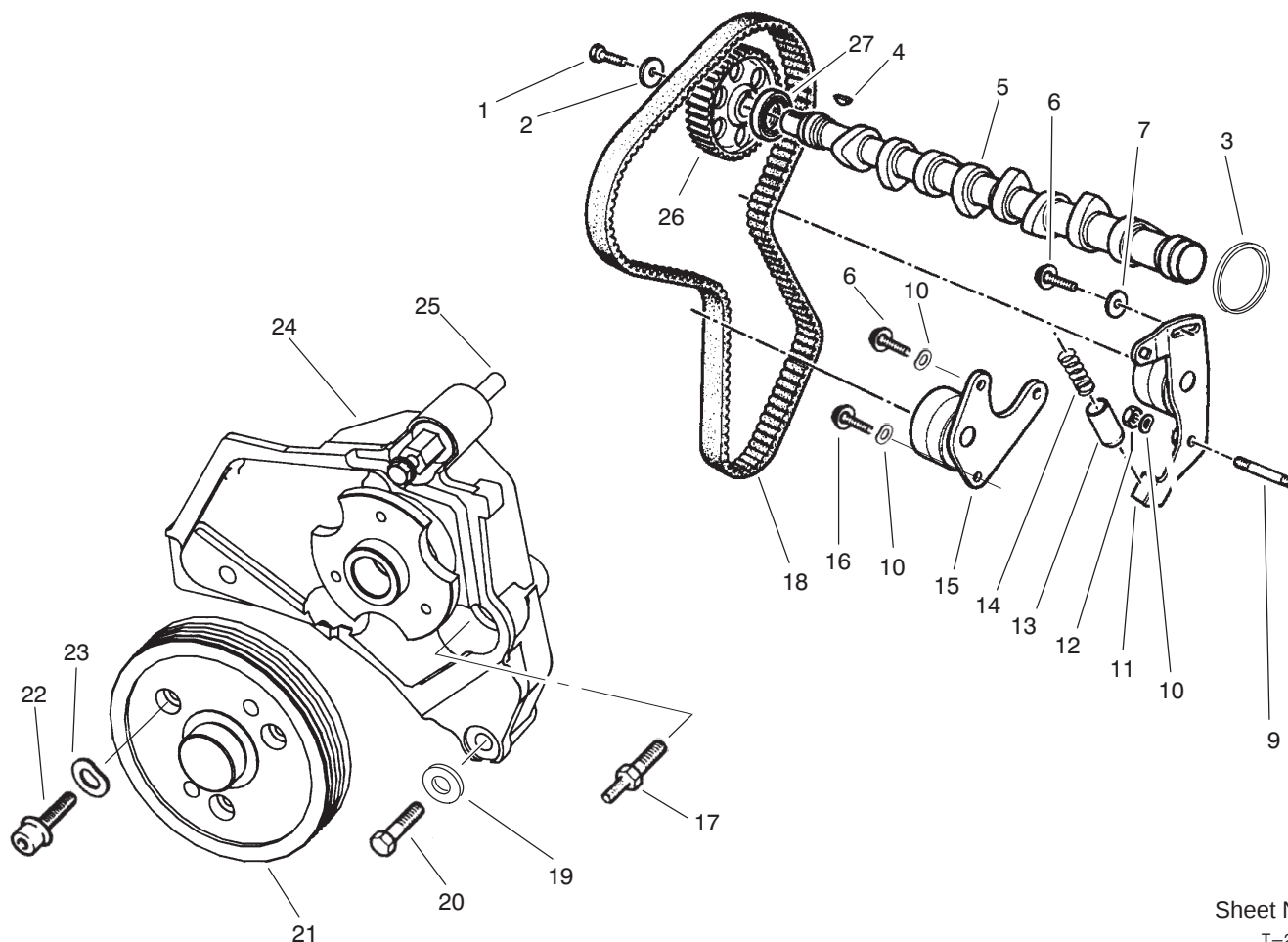
T-3504

Cylinder Head Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
23	94-3136	1	Bracket-Lifting
24	94-3138	1	Screw-HH
25	94-3137	1	Bracket-Lifting
26	94-3139	1	Screw
27	94-3174	8	Washer-Repair
28	74-7270	10	Washer-Flat
29	74-7260	10	Head Bolt
30	94-3197	1	O-Ring
31	94-3196	1	Water-Inlet
32	94-3118	1	Plug
33	74-7840	2	Plug
33	94-3108	2	Plug-27.5mm
33	94-3109	2	Plug-28.5mm
34	68-9420	5	Washer-Lock
35	48-9460	2	Capscrew-Hex
36	2412-129	4	Clamp-Hose
37	94-3200	1	Hose-By Pass
38	48-7700	3	Screw
39	94-3199	1	Pipe-By Pass
40	94-3201	1	Hose-By Pass
41	74-7400	1	Tube
42	74-7840	2	Plug
43	94-3122	1	Gasket
44	94-3121	1	Plug
45	74-7420	4	Ball
46	74-7430	4	Chamber-Turbulence

Ref. No.	Part No.	Qty.	Description
46	74-7440	4	Chamber - Turbulence
47	92-7792	8	Valve Guide (14.29 Mm)
47	92-7793	8	Valve Guide (14.59 Mm)
48	74-7450	4	Exhaust Valve Seat
48	74-7460	4	Seat-Intake Valve (39.5)
49	74-7480	4	Intake Valve
50	92-7794	4	Valve - Exhaust
51	92-7795	4	Valve Seat
52	92-7791	8	Valve - Stem Seal
53	94-8132	1	Gasket - Head, 1.48
53	94-8133	1	Gasket - Head, 1.52
53	94-8134	1	Gasket - Head, 1.58
53	94-8135	1	Gasket - Head, 1.62
54	94-3120	1	Bracket
*55	74-7670	1	Head Bolt & Washer Set
*56	94-3119	1	Gasket Set

* Not illustrated



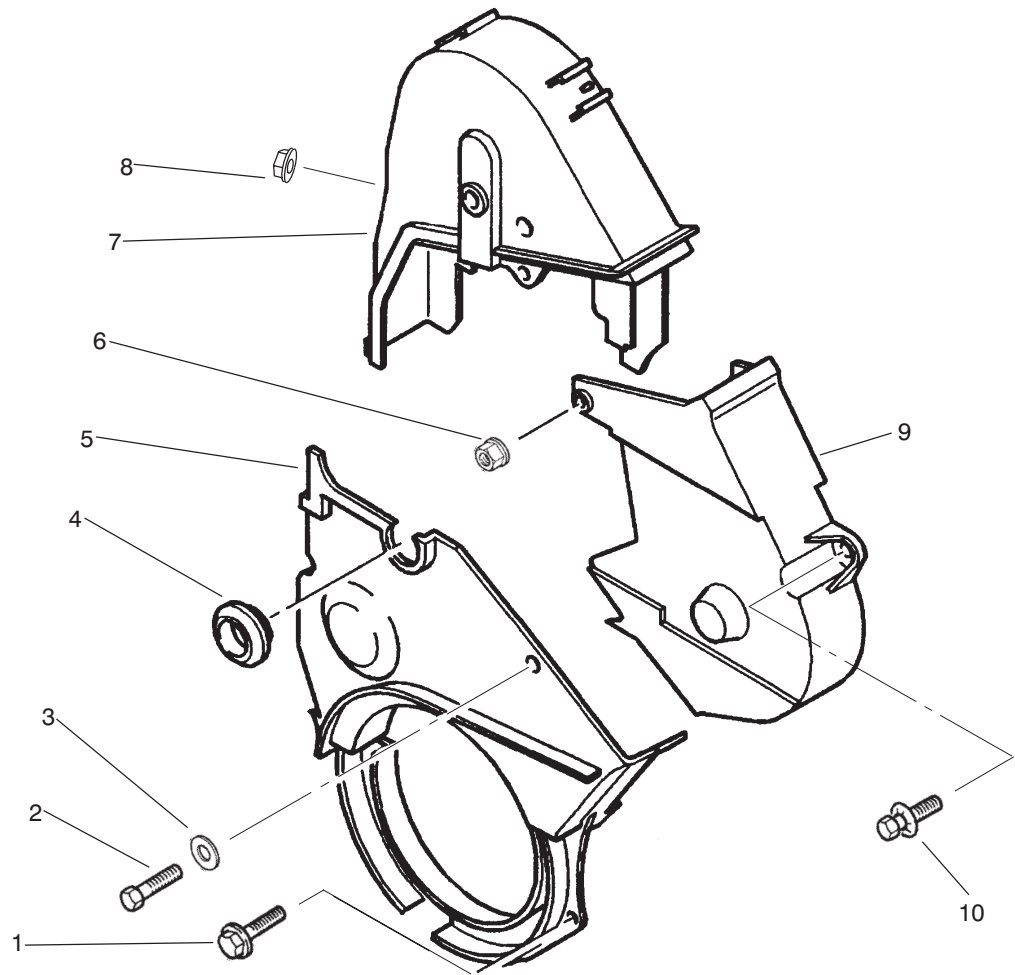
Sheet No.:6

T-2141

Camshaft and Fan Support Assembly

Ref. No.	Part No.	Qty.	Description
1	98-9968	2	Screw
2	77-3450	2	Washer
3	77-3420	1	Gasket
4	98-9967	1	Key
5	77-3400	1	Cam Shaft
6	94-3163	1	Screw-HH
7	94-3166	1	Washer-Plate
8	94-9994	1	Gasket - Camshaft
9	94-3162	1	Stud
10	94-3164	4	Washer-Spring
11	94-3159	1	Tensioner
12	94-3165	1	Nut-Hex
13	77-3520	1	Cup
14	77-3510	1	Spring
15	94-3160	1	Roller
16	94-3161	2	Screw-HH
17	94-3170	1	Screw
18	74-8830	1	Belt - Timing
19	94-3172	3	Washer
20	94-3171	2	Screw-HH
21	94-3168	1	Pulley-Fan
22	94-3173	3	Capscrew
23	76-5010	3	Washer-Spring
24	94-3167	1	Bracket-Fan
25	94-3169	1	Screw
26	98-9966	1	Gear - Camshaft

Ref. No.	Part No.	Qty.	Description

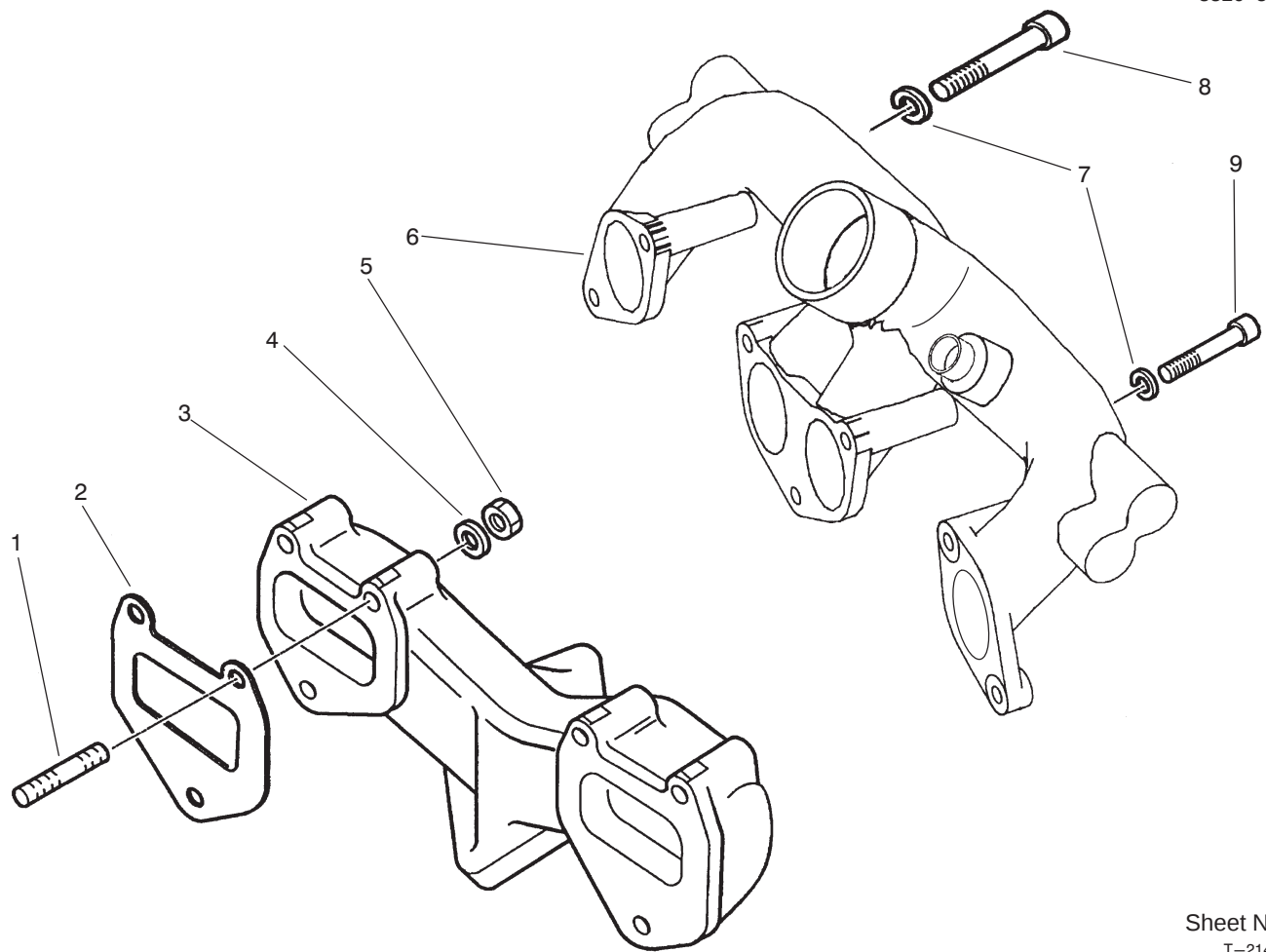


Sheet No.:7
T-2140

Timing Cover Assembly

Ref. No.	Part No.	Qty.	Description
1	94-3132	2	Screw-HHF
2	94-3130	1	Screw-HH
3	94-3125	1	Washer-Plate
4	94-3129	1	Plug
5	94-3126	1	Protector-Lower
6	94-3133	1	Nut-w/Washer
7	94-3127	1	Timing Case-Left
8	94-3134	1	Nut
9	94-3128	1	Timing Case Right
10	94-3131	1	Screw-HH

Ref. No.	Part No.	Qty.	Description



Sheet No.:8

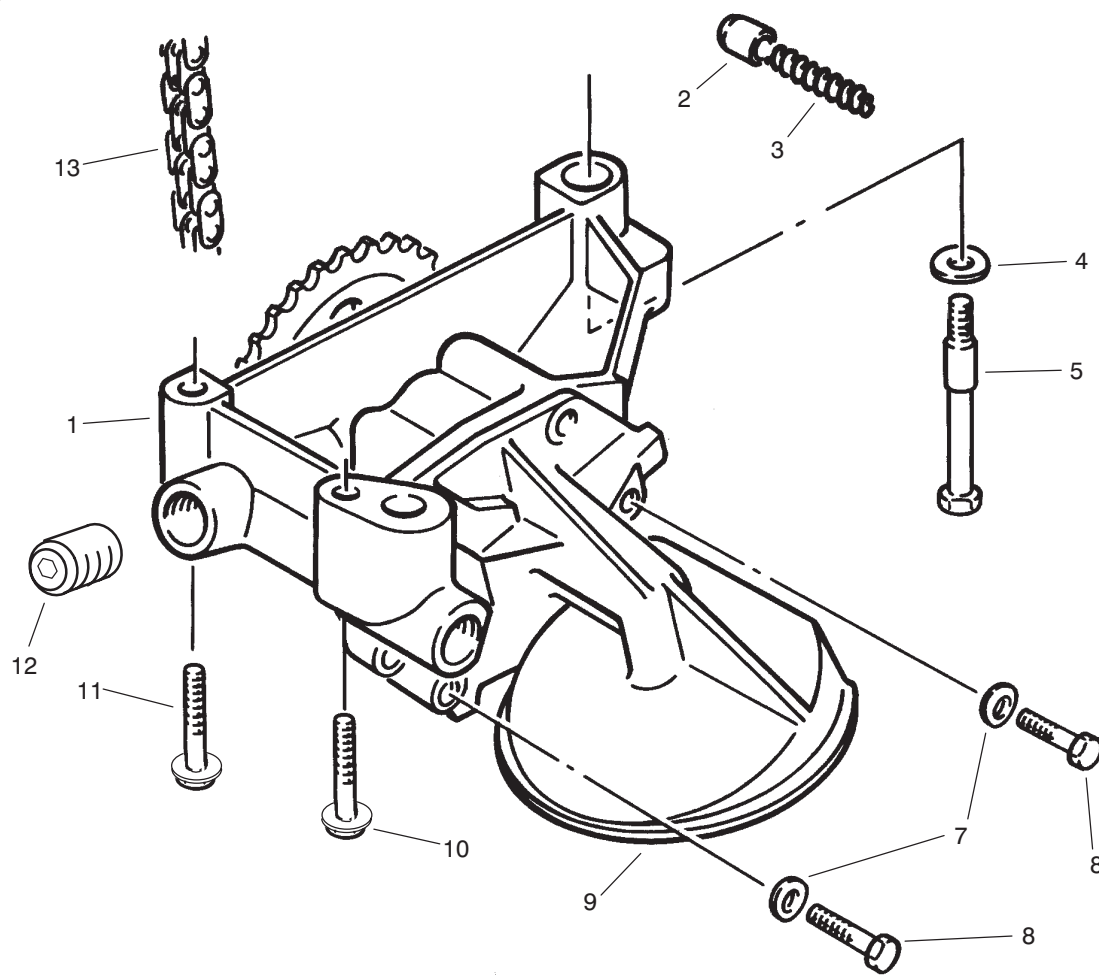
T-2149

Intake and Exhaust Manifold Assembly

Ref. No.	Part No.	Qty.	Description
1	77-3300	6	Stud
2	77-3310	2	Gasket
3	77-3340	1	Manifold – Exhaust
4	68-9420	6	Washer–Lock
5	77-3320	6	Nut – Hex
6	94-3215	1	Manifold–Intake
7	94-3164	7	Washer–Spring
8	94-3216	5	Capscrew
9	94-3217	4	Capscrew
9	94-3218	1	Screw
*11	94-2815	1	Sleeve – Exhaust Flange
*12	94-2814	1	Kit – Exhaust Coupler

Ref. No.	Part No.	Qty.	Description

* Not illustrated

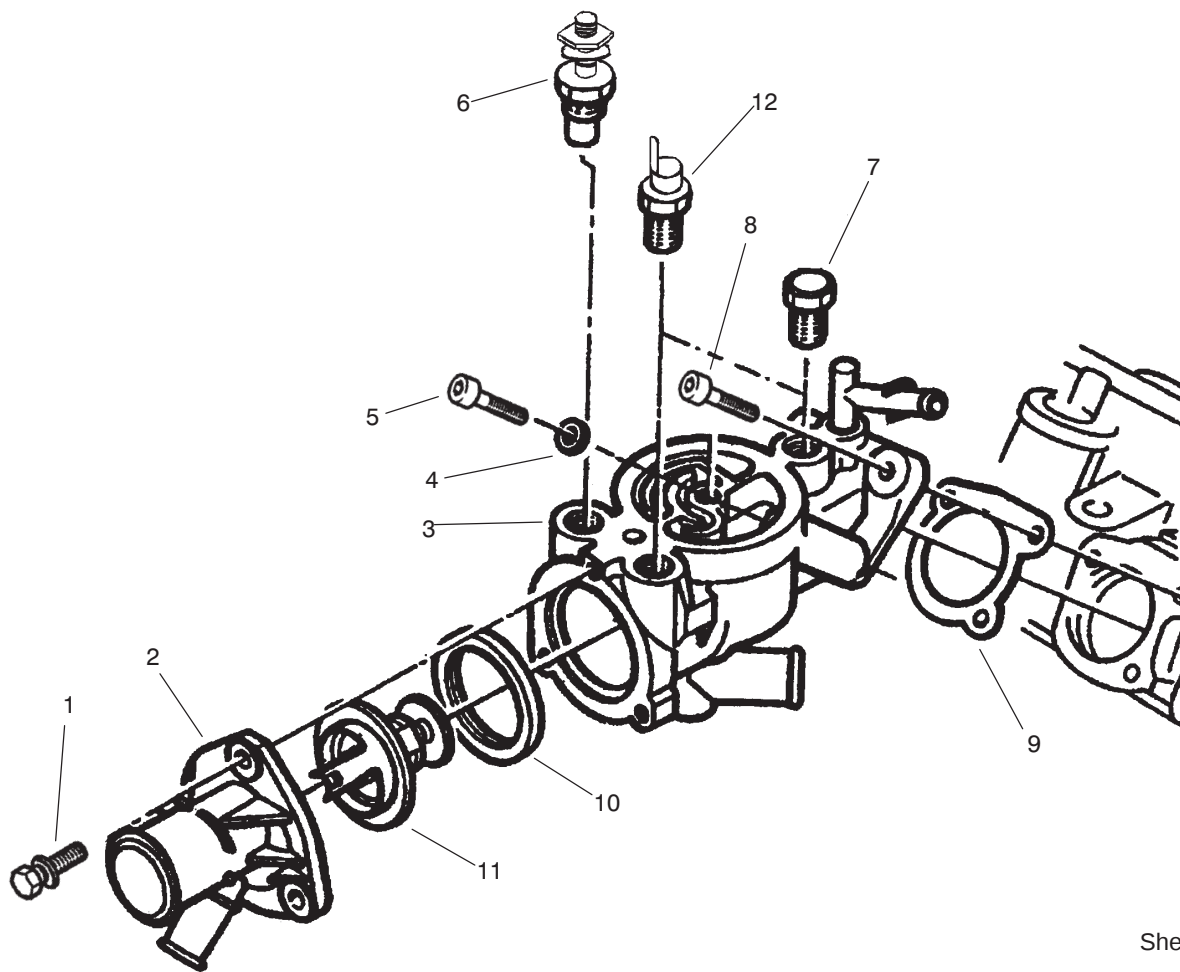


Sheet No.:9
T-0964

Oil Pump Assembly

Ref. No.	Part No.	Qty.	Description
1	76-5070	1	Oil Pump ASM
2	94-3176	1	Valve-Relief
3	76-5090	1	Piston Spring
4	94-3179	3	Washer-Spring
5	76-5100	1	Bolt-Shoulder
6	76-5010	5	Washer-Spring
7	94-3124	2	Screw-HH
9	94-3178	1	Strainer
10	77-3470	1	Screw
11	77-3490	1	Screw
12	94-3177	2	Plug
13	76-5170	1	Chain-Drive, Pump

Ref. No.	Part No.	Qty.	Description

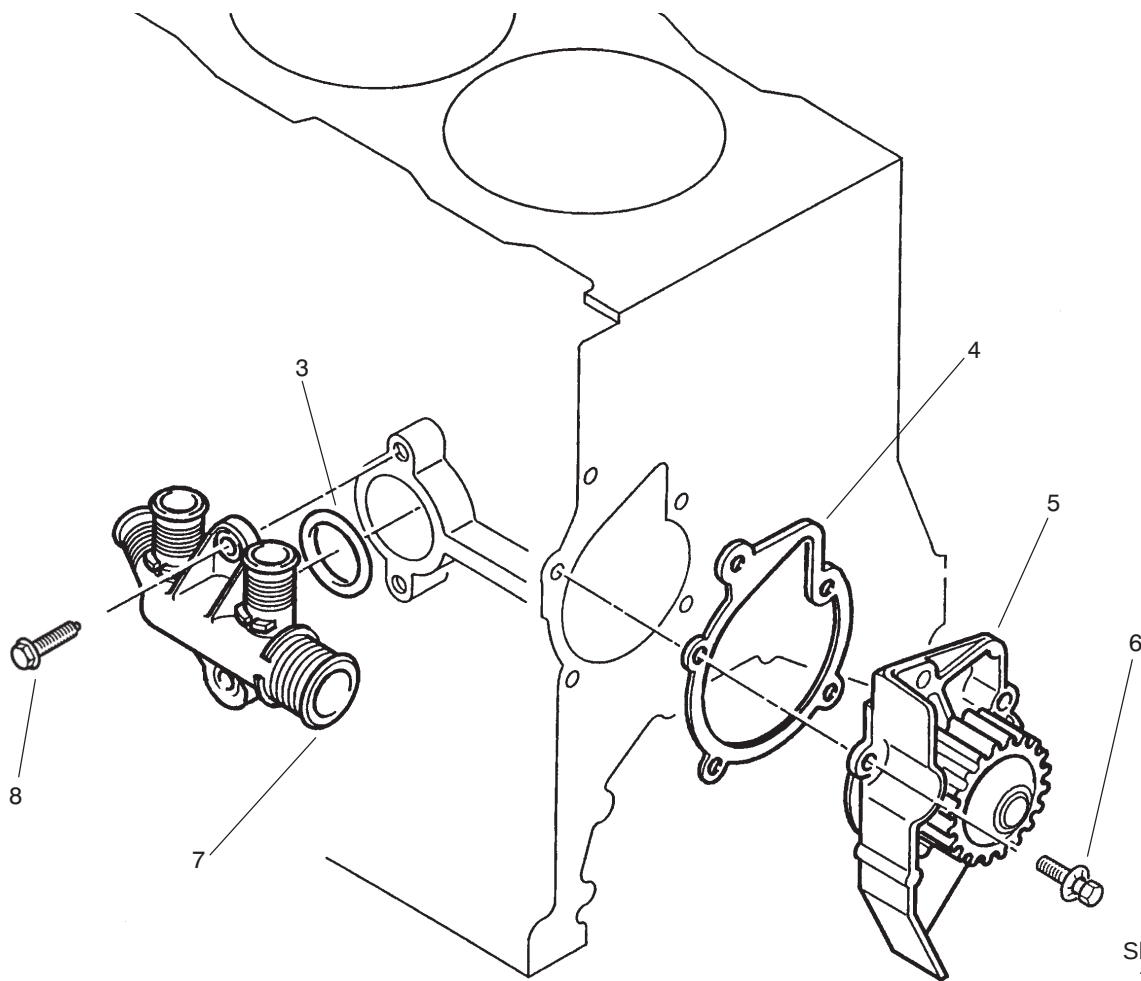


Sheet No.:10
T-2143

Collector Assembly

Ref. No.	Part No.	Qty.	Description
1	94-3131	3	Screw-HH
2	94-3208	1	Outlet Stub
3	94-3205	1	Outlet Box
4	94-3207	1	Ring
5	94-3214	1	Capscrew
6	76-5380	1	Temp Sending Unit
7	94-3212	1	Plug
8	94-3213	1	Capscrew
9	94-3206	1	Gasket
10	94-3210	1	Gasket
11	94-3209	1	Thermostat
12	76-5400	1	Switch – Temp 105 DEG C

Ref. No.	Part No.	Qty.	Description



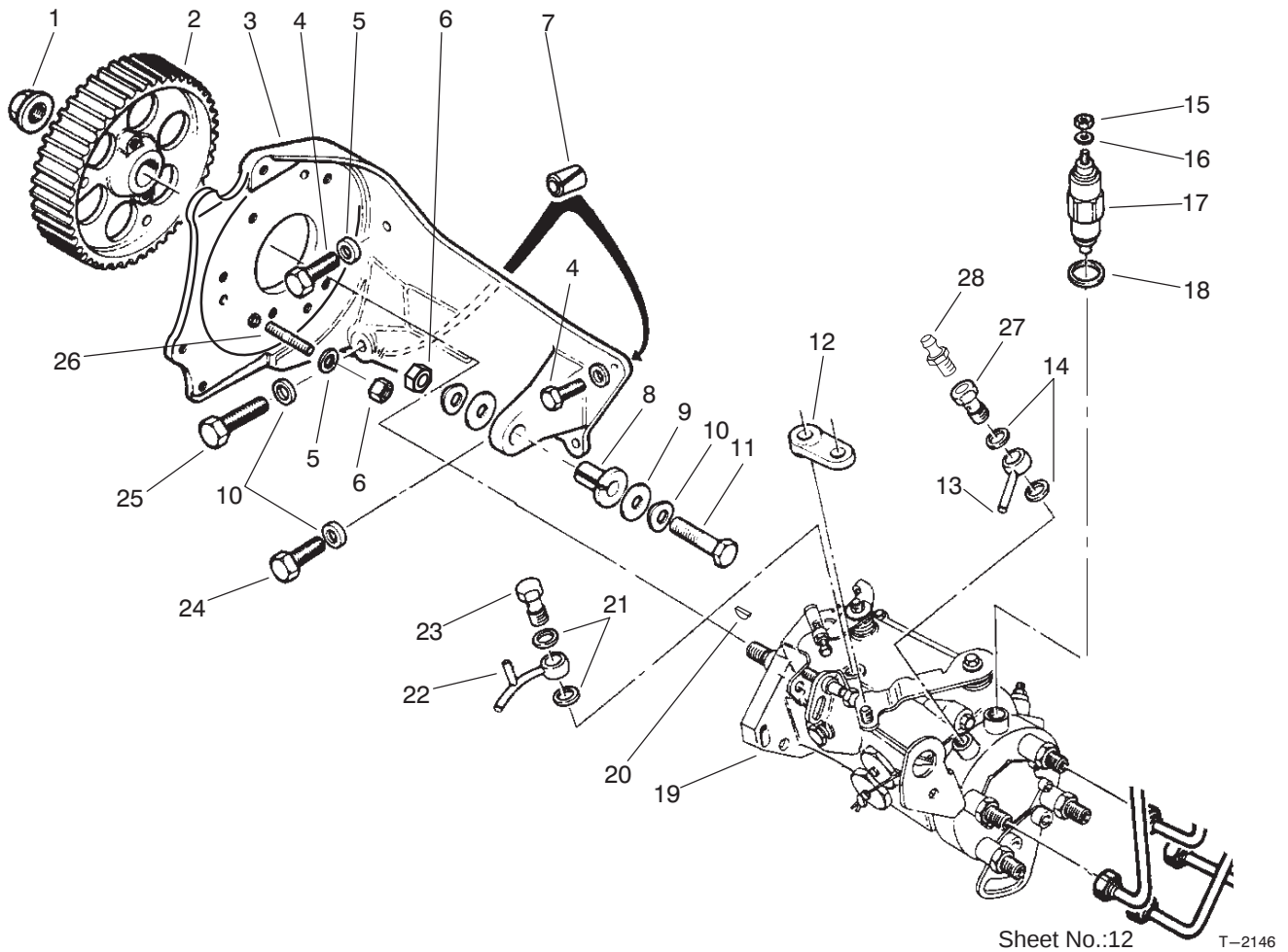
Sheet No.:11
T-2144

Water Pump Assembly

Ref. No.	Part No.	Qty.	Description
3	94-3197	1	O-Ring
4	94-3195	1	Gasket-Water Pump
5	94-3194	1	Cover-Water Pump
6	76-5500	5	Capscrew Hex Hd
7	94-3196	1	Water-Inlet
8	94-3198	2	Screw-HHF

Ref. No.	Part No.	Qty.	Description

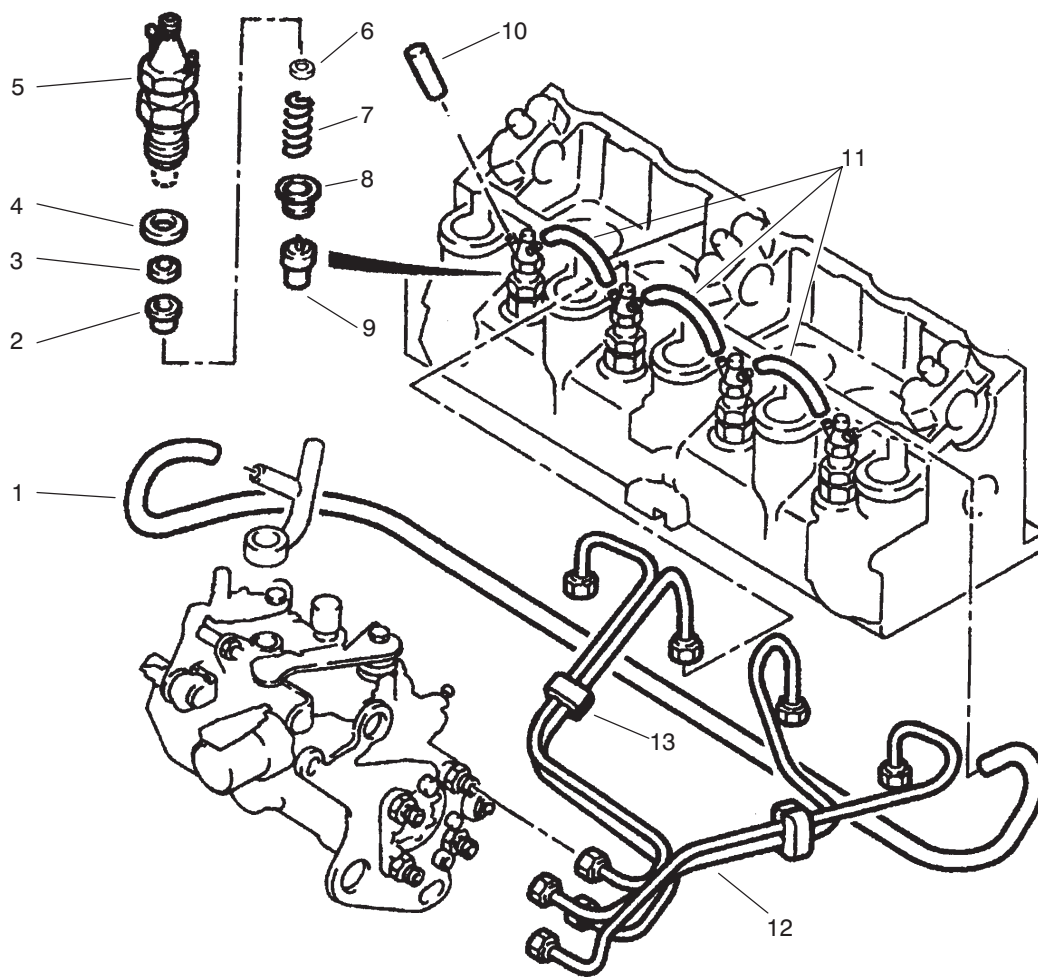
* Not illustrated



Fuel Injection Pump Assembly

Ref. No.	Part No.	Qty.	Description
1	76-4950	1	Flange Nut
2	76-4940	1	Pump Pulley
3	94-3220	1	Bracket
4	94-3225	2	Screw-HH
5	76-4930	3	Washer
6	94-3165	4	Nut-Hex
7	74-8610	2	Spring Pin
8	74-8630	1	Flange Bushing
9	94-3224	2	Washer-Plate
10	94-3164	6	Washer-Spring
11	94-3221	1	Screw-HH
12	74-8650	1	Pacer
13	74-8670	1	Fuel Inlet ASM
14	74-8680	2	Gasket
15	94-3251	1	Nut-Lock
16	74-8710	1	Washer
17	93-5856	1	Solenoid Valve
18	94-3274	1	O-Ring
19	94-3219	1	Pump-Injection
20	94-3222	1	Key
21	74-8870	2	Gasket
22	94-3249	1	Outlet Tube
23	94-3250	1	Screw
24	94-3161	1	Screw-HH
25	94-3223	1	Screw-HH
26	76-4910	3	Stud

Ref. No.	Part No.	Qty.	Description
27	94-9969	1	Screw - Connection
28	94-9970	1	Screw - Purge



Sheet No.:13

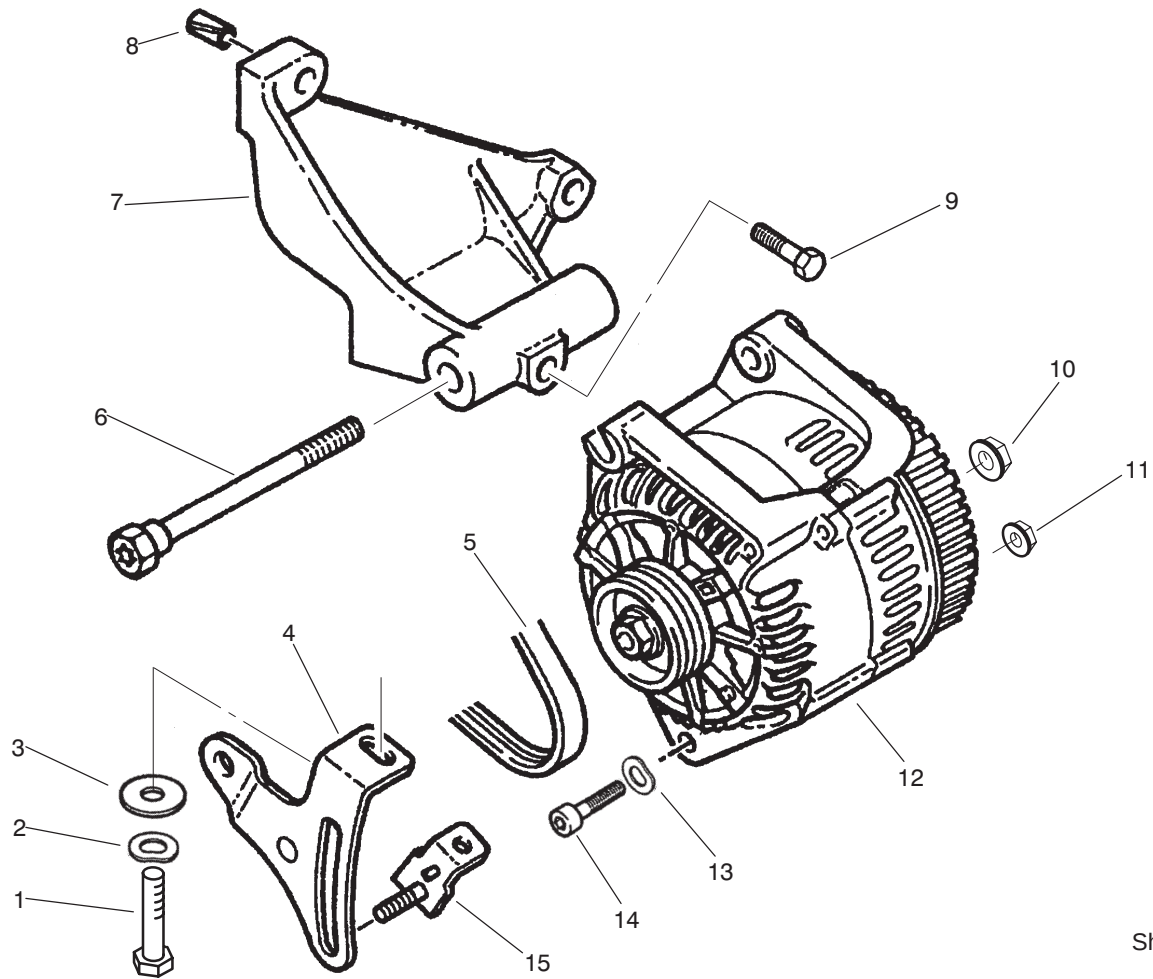
T-2145

Fuel Injector Assembly

Ref. No.	Part No.	Qty.	Description
1	94-3230	1	Hose – Injection
2	76-5540	4	Injector Bushing
3	76-5530	4	Washer
4	94-3226	4	Gasket–Injector
5	76-5520	4	Fuel Injector Holder
6	94-3232	4	Washer–Calibration (.79)
6	94-3233	4	Washer–Calibration (.82)
6	94-3234	4	Washer–Calibration (.85)
6	94-3235	4	Washer–Calibration (.88)
6	94-3236	4	Washer–Calibration (.91)
6	94-3237	4	Washer–Calibration (.94)
6	94-3238	4	Washer–Calibration (.97)
6	94-3239	4	Washer–Calibration (1.0)
6	94-3240	4	Washer–Calibration (1.03)
6	94-3241	4	Washer–Calibration (1.06)

Ref. No.	Part No.	Qty.	Description
6	94-3242	4	Washer-Calibration (1.30)
6	94-3243	4	Washer-Calibration (1.33)
6	94-3244	4	Washer-Calibration (1.36)
6	94-3245	4	Washer-Calibration (1.39)
6	94-3246	4	Washer-Calibration (1.42)
6	94-3247	4	Washer-Calibration (1.45)
6	94-3248	4	Washer-Calibration (1.48)
7	94-3228	4	Spring
8	94-3227	4	Spacer
9	94-8147	4	Nozzle - Injector
10	74-8770	1	Plug
11	94-3229	3	Hose - Injector
12	74-8750	1	Injection Tube Set
13	94-3231	2	Bracket
*14	76-5600	4	Fuel Injector ASM

* Not illustrated

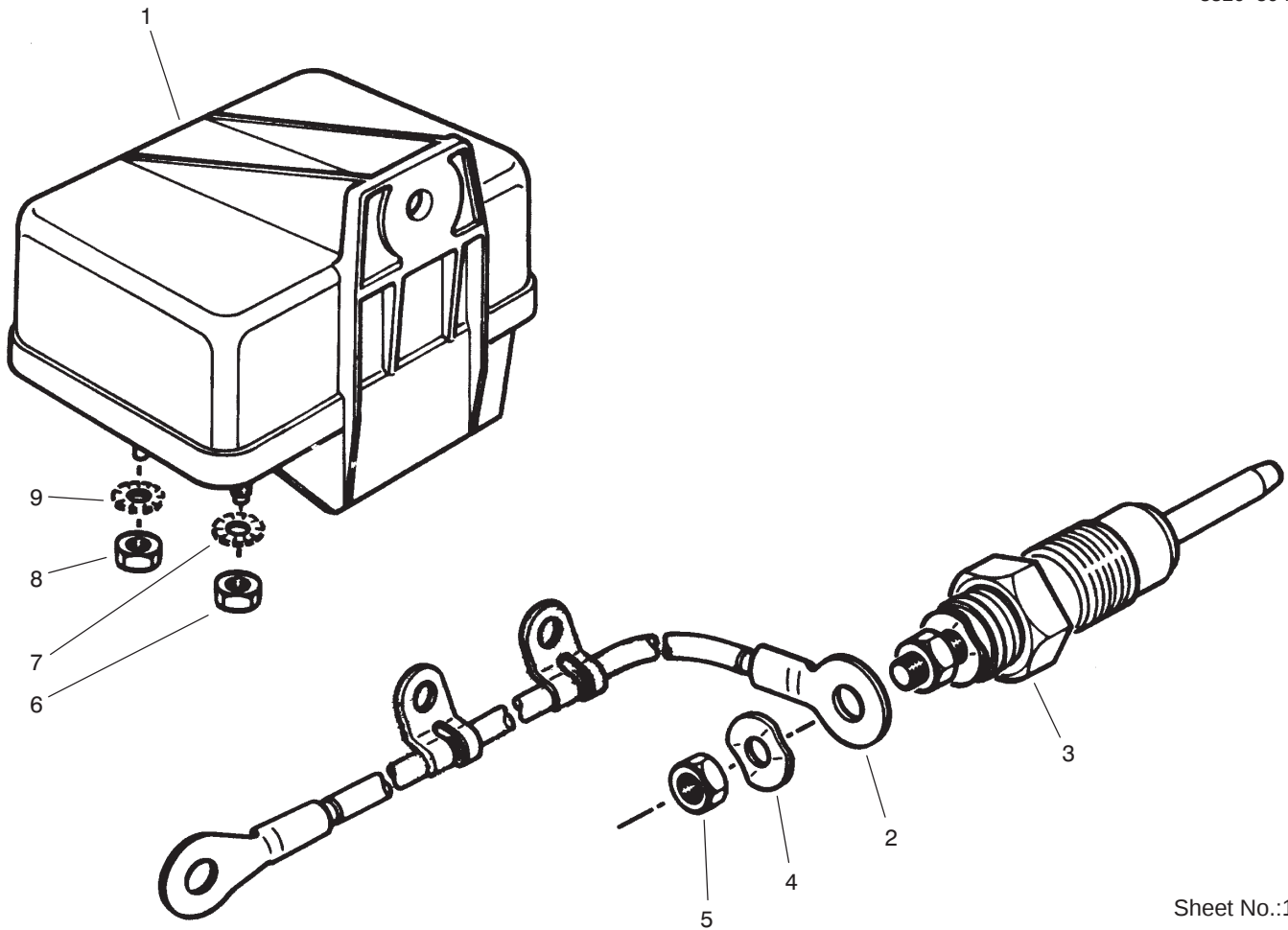


Sheet No.:14
T-2147

Alternator Assembly

Ref. No.	Part No.	Qty.	Description
1	76-5060	1	Screw-HH
2	76-5010	1	Washer-Spring
3	94-3260	1	Washer-Flat
4	94-3255	1	Slide
5	94-3256	1	Belt
6	94-3254	1	Screw
7	94-3253	1	Bracket-Alternator
8	74-8610	2	Spring Pin
9	76-5000	1	Adj Bolt
10	94-3262	1	Nut-HHF
11	94-3261	1	Nut-HHF
12	94-3252	1	Alternator
13	94-3257	1	Washer-Spring
14	94-3258	1	Capscrew
15	76-4990	1	Bolt-Slide

Ref. No.	Part No.	Qty.	Description



Sheet No.:16

T-0972

Glow Plug and Glow Relay Assembly

Ref. No.	Part No.	Qty.	Description
1	76-5260	1	Relay-Glow Plug
2	94-3265	4	Glow Plug Cable ASM
3	94-3264	4	Plug-Glow
4	76-5290	4	Spring Washer
5	94-3266	4	Nut
6	94-3267	1	Nut-Lock
7	76-5310	1	Washer
8	94-3251	1	Nut-Lock
9	74-8710	1	Washer

Ref. No.	Part No.	Qty.	Description

Maintenance Record

[illegible]

Maintenance Record

[illegible]

