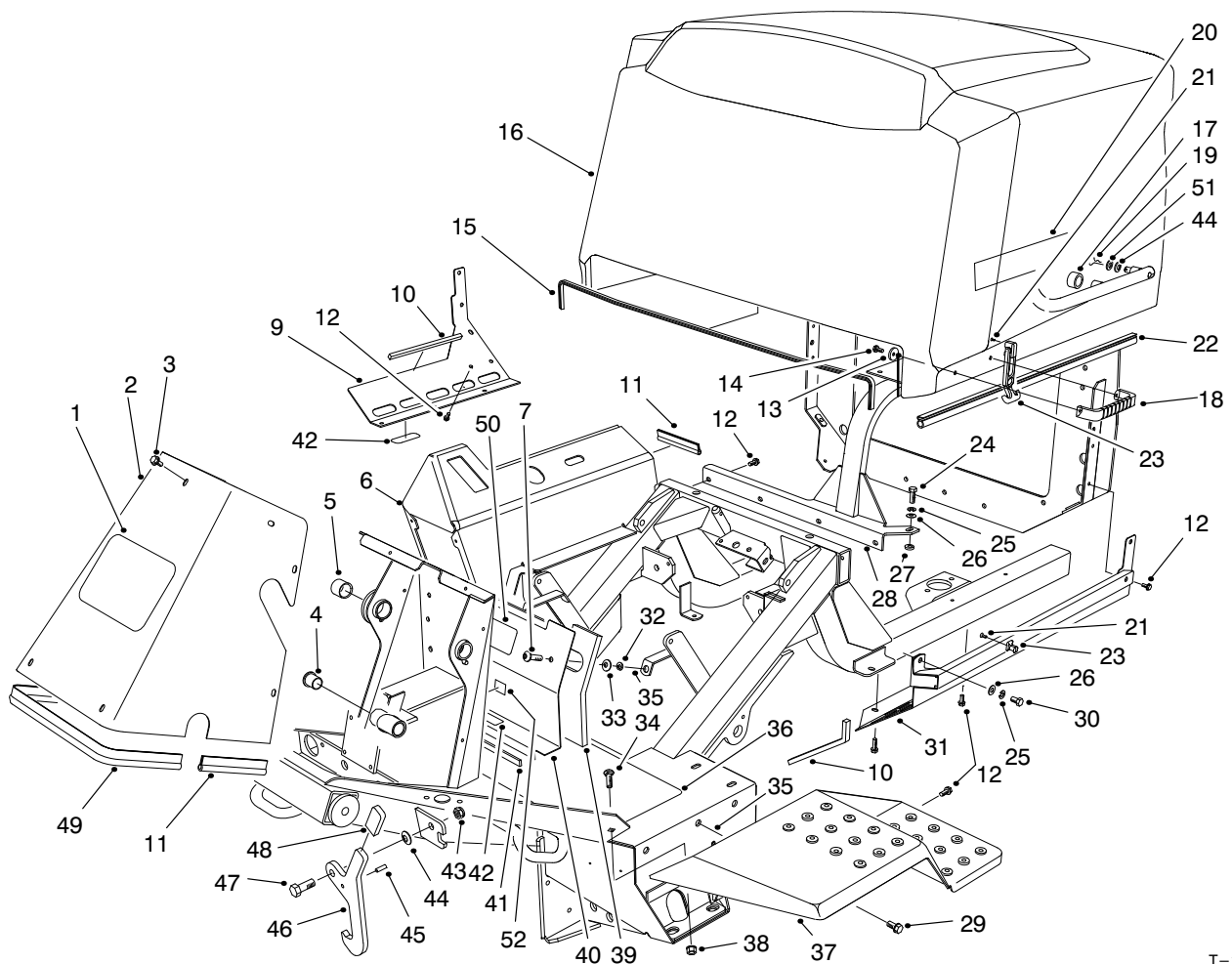




MODEL NO. 30455TS-90001 & UP

PARTS CATALOG

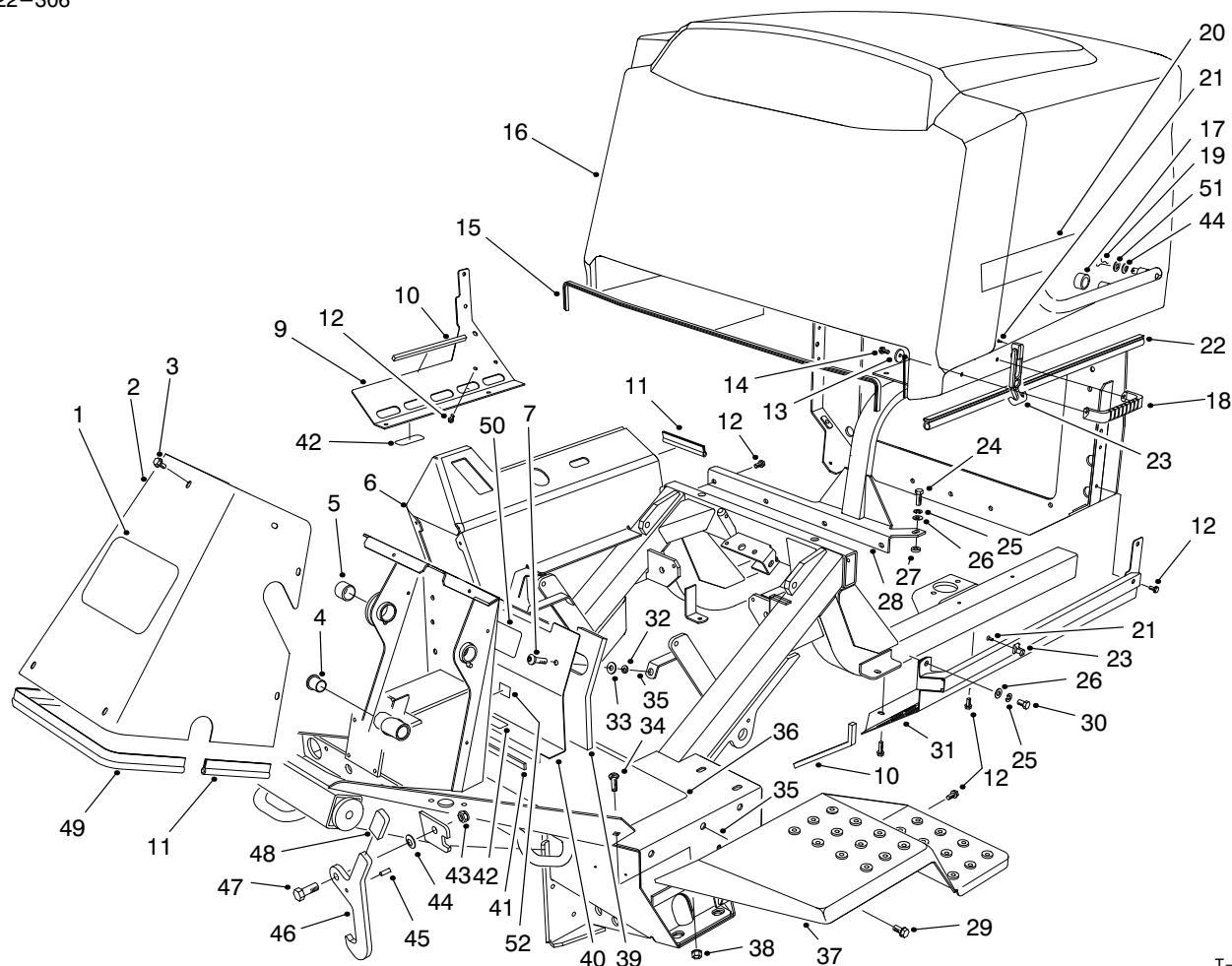
GROUNDMASTER® 455D 4WD TRACTION UNIT



T-1512-3

FRAME & BODY ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	62-7400	Decal - TORO	1	17	94-5613	Stop - Rubber	2
2	76-9700	Cover - Tower	1	18	65-5100	Handle - Hood	1
3	46-6810	Screw - Hex. Washer Hd.	9	19	3290-467	Pin - Cotter, Hair	2
4	256-10	Bushing - Flange	2	20	84-1460	Decal - GM 455D	2
5	256-237	Bushing - Sleeve	1	21	3290-359	Screw - Round Hd.	3
6	84-1080	Frame Assembly (Incl. Ref # 4, 5 & 35)	1	22	94-5617	Seal - Strip, Hood	2
7	3250-36	Screw - Phillips Pan Hd.	2	23	94-5626	Latch - Draw	1
9	94-5601	Support - Tank, Lower	1	24	323-6	Screw - Cap Hex. Hd.	1
10	68-7573	Seal - Shroud	2	25	3253-21	Washer - Lock	2
11	76-6360	Strip - Seal	2	26	3256-24	Washer - Flat	2
12	32144-11	Screw - Hex. Washer Hd.	17	27	80-7730	Spacer	1
13	3256-78	Washer - Flat	2	28	93-7236	Air Cleaner Support Asm	1
14	46-8091	Screw - Hex. Washer Hd.	2	29	74-4090	Tread - Foot Rest	1
15	94-5618	Trim - Fire Wall	1	30	323-4	Screw - Cap Hex. Hd.	1
16	93-7798	Hood (Incl. Ref. #15, 20 & 22)	1	31	94-5609	Cover Asm - Hood, Lower	1
				32	32151-72	Ring - Retaining	2
				33	3256-3	Washer - Flat	2

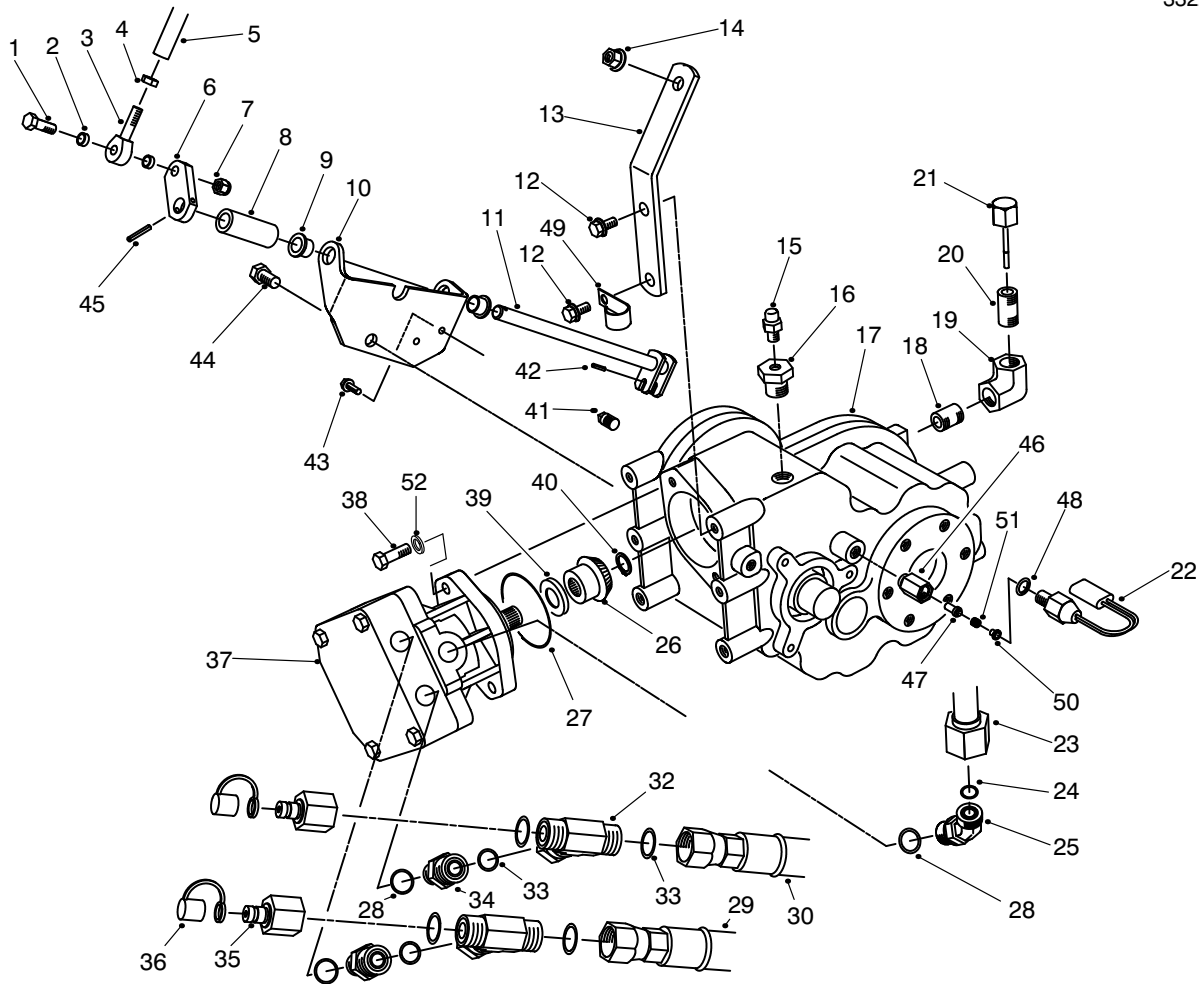


T-1512-3

FRAME & BODY ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
34	3231-22	Bolt - Carriage	2	43	3296-25	Nut - Lock	2
35	32148-10	Insert - Threaded	10	44	3290-483	Washer - Belleville	4
36	3234-12	Screw - Hex. Washer Hd.	7	45	32121-36	Pin - Roll	2
37	76-9300	Fender L.H.	1	46	93-7203	Latch - Lockup	2
*	76-9340	Fender R.H.	1	47	325-5	Screw - Cap Hex. Hd.	2
38	3290-357	Nut - Flange	2	48	48-7081	Sleeve	2
39	88-1310	Foam - Cover	1	49	76-6361	Strip - Seal	1
40	88-1300	Cover - Seat Front	1	50	93-9425	Decal - Danger	1
41	76-6380	Strip - Seal Access Panel	1	51	83-1470	Washer - Neoprene	2
42	93-6697	Decal - Oil	2	52	93-7252	Decal - CE	1

*Not Illustrated

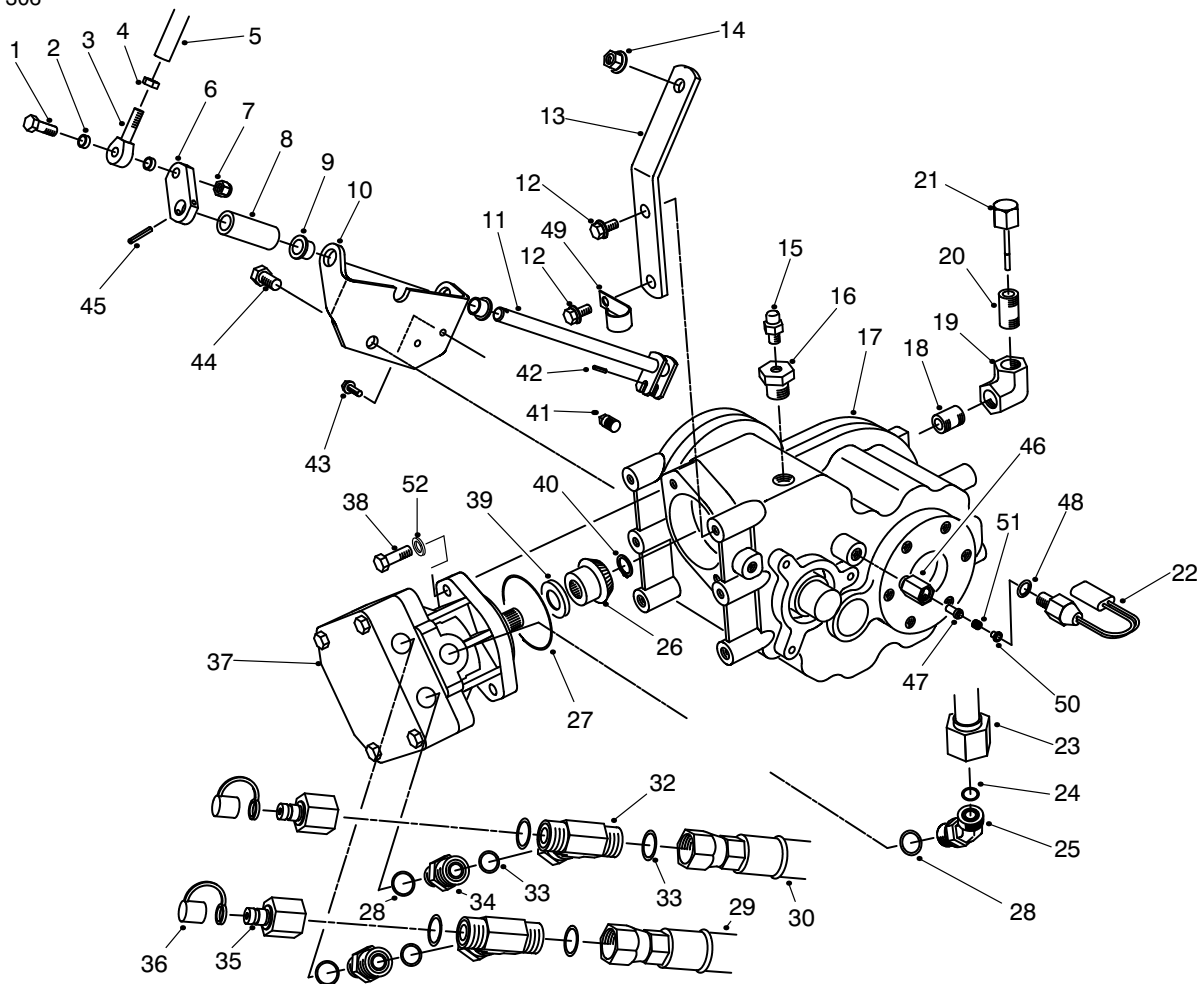


T-1506-1

FRONT TRANSAXLE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	323-9	Screw - Cap Hex. Hd.	1	25	340-101	Fitting - Hydraulic (Incl. Ref. #24 & 28)	1
2	76-9100	Spacer	2	26		Pinion - Spiral	1
3	2411-36	Rod - End	1	27	237-167	O-Ring	1
4	3220-3	Nut - Jam	1	28	237-79	O-Ring	3
5	84-0690	Rod - Shift	1	29	92-5830	Assy. - Hose, Traction L.H.	1
6	77-4260	Link - Shift	1	30	92-7765	Assy. - Tube	1
7	3296-59	Nut - Lock	1	32	340-167	Fitting - Hydraulic (Incl. Ref. #33)	2
8	86-5420	Spacer - Rod, Shift	1	33	237-65	O-Ring	6
9	3-1506	Bushing - Flange	2	34	340-155	Fitting - Hydraulic (Incl. Ref. #28 & 33)	2
10	84-1610	Support - Rod, Shift	1	35	86-5860	Nipple	2
11	84-0700	Rod - Shift	1	36	353-947	Cap - Fitting	2
12	3234-12	Screw - Hex. Flange Hd.	2	37	92-2556	Motor - Fixed Displacement	1
13	84-1600	Bracket - Support, Trans.	1	38	323-7	Screw - Cap Hex. Hd.	2
14	3290-357	Nut - Flange Head	1	39	82-5380	Shim - Pinion .045	1
15	302-14	Plug - Vent	1	*	82-5390	Shim - Pinion .038	1
16	2812-11	Bushing - Reducer	1	*	82-5400	Shim - Pinion .052	1
17	99-7566	Transaxle - 2 Speed (Incl. Ref. No. 26 & 41)	1	40	32151-62	Ring - Retaining	1
18	289-50	Nipple - Pipe	1	41	76-6040	Plug - Pipe (Supplied with transaxle)	1
19	2813-14	Elbow - Pipe 90°	1	42	32121-24	Pin - Roll	1
20	289-44	Nipple - Pipe	1	43	3234-4	Screw - Cap Hex. Hd.	2
21	27-3710	Dipstick	1	44	325-2	Screw - Cap Hex. Hd.	1
22	72-4320	Switch - Ball	1	45	32121-6	Pin - Roll	1
23	86-5750	Assy. - Tube, Drain	1				
24	237-30	O-Ring	1				

*Not Illustrated

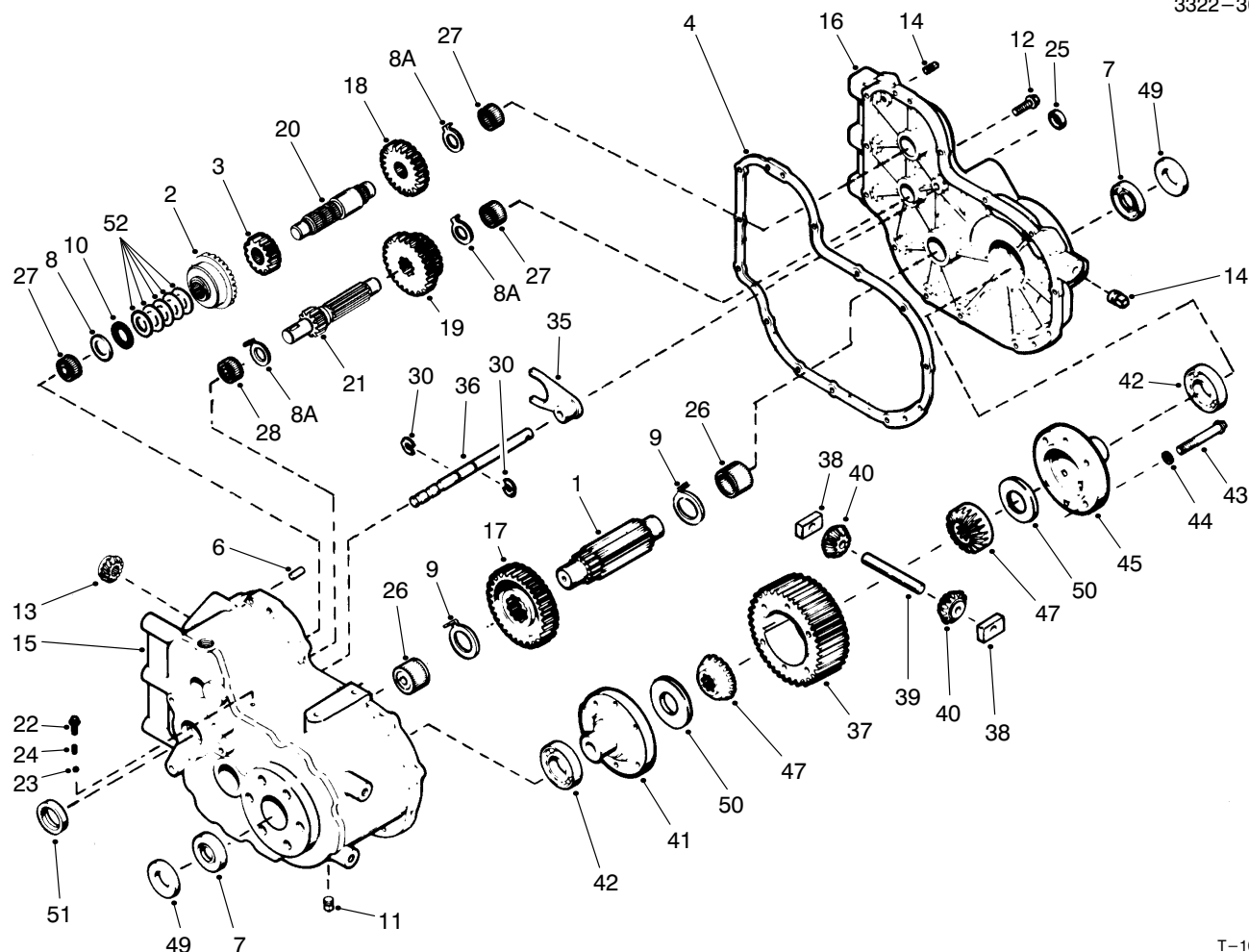


T-1506-1

FRONT TRANSAXLE INSTALLATION ASSEMBLY (Cont.)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
46	92-1364	Guide - Switch, Pin	1	50	43-8610	Guide - Spring & Ball	1
47	92-1365	Plunger - Switch	1	51	92-1366	Spring - Compression	1
48	237-30	O-Ring	1	52	3256-24	Washer - Flat	2
49	2412-150	Clip - J	1				

*Not Illustrated



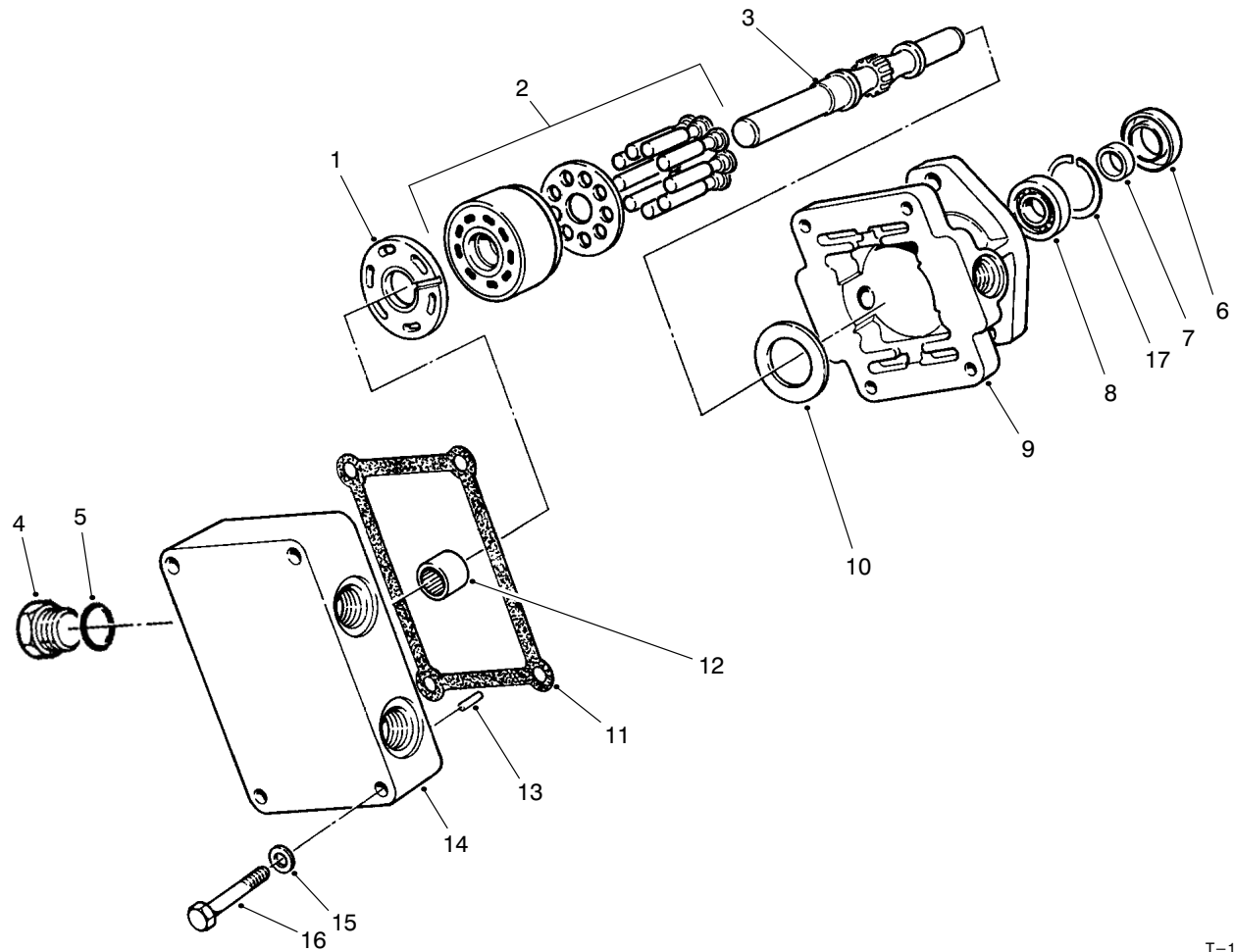
T-1008-1

TRANSAXLE ASSEMBLY NO. 99-7566

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	76-5610	Pinion - Output	1	27	76-5870	Bearing - Needle	3
2		Gear - Spiral Bevel	1	28	92-0640	Bearing - Needle	1
3	76-5630	Gear - Spur	1	30	76-5890	Ring - Retaining	2
4	76-5640	Gasket	1	35	76-5900	Fork - Shift	1
6	76-5660	Pin - Dowel	2	36	92-0647	Rod - Shift (High-Low)	1
7	76-5670	Seal - Oil	2	†37		Gear - Ring	1
8	76-5680	Washer - Thrust	1	†38		Block - Drive	4
8A	76-5650	Washer - Thrust	3	†39		Pin - Drive	2
9	76-5690	Washer - Thrust	2	†40		Pinion - Bevel	4
10	76-5700	Bearing - Thrust	1	41	76-5960	Carrier (Incl. Ref. #50)	1
11	76-5710	Plug - Magnetic - Drain	1	42	92-0646	Bearing - Ball	2
12	76-5720	Screw - Hex Hd.	13	43	76-5980	Screw - Hex Flanged Hd.	6
13		Pinion - Spiral Bevel	1	44	3253-21	Washer - Lock	6
14	76-6040	Plug - Pipe	2	45	76-5990	Carrier - Differential	1
15	92-0639	Case Assembly (Incl. Ref. #26-28)	1	†47		Gear - Bevel	2
16	76-5760	Cover Assembly (Incl. Ref. #26-27)	1	49	76-6010	Spacer	2
17	92-0642	Gear - Output	1	†50		Washer - Thrust	2
18	76-5780	Gear - Spur	1	51	76-6030	Seal - Oil	1
19	92-0644	Gear - Cluster	1	52	76-5680	Shim - Orange .126/.123	A/R
20	92-0641	Shaft - Counter	1	*	76-5740	Shim - Lt. Grn. .123/.120	A/R
21	92-0645	Shaft & Gear - Shifter	1	*	84-0090	Shim - Lt. Blue .120/.117	A/R
22	76-5820	Screw - Hex Flanged Hd.	1	*	84-0130	Shim - Pink .129/.126	A/R
23	76-5830	Ball - Steel	1	*	84-0140	Shim - Black .132/.129	A/R
24	76-5840	Spring - Shifter Fork	1	*	84-0080	Spiral Gear Set (Matched) (Incl. Ref. #2 & 13)	1
25	76-5850	Seal - Oil	1	*	99-7567	Differential Assembly (Incl. Ref. #37-47 & 50)	1
26	76-5860	Bearing - Needle	2				

*Not Illustrated

†Not Serviced Separately

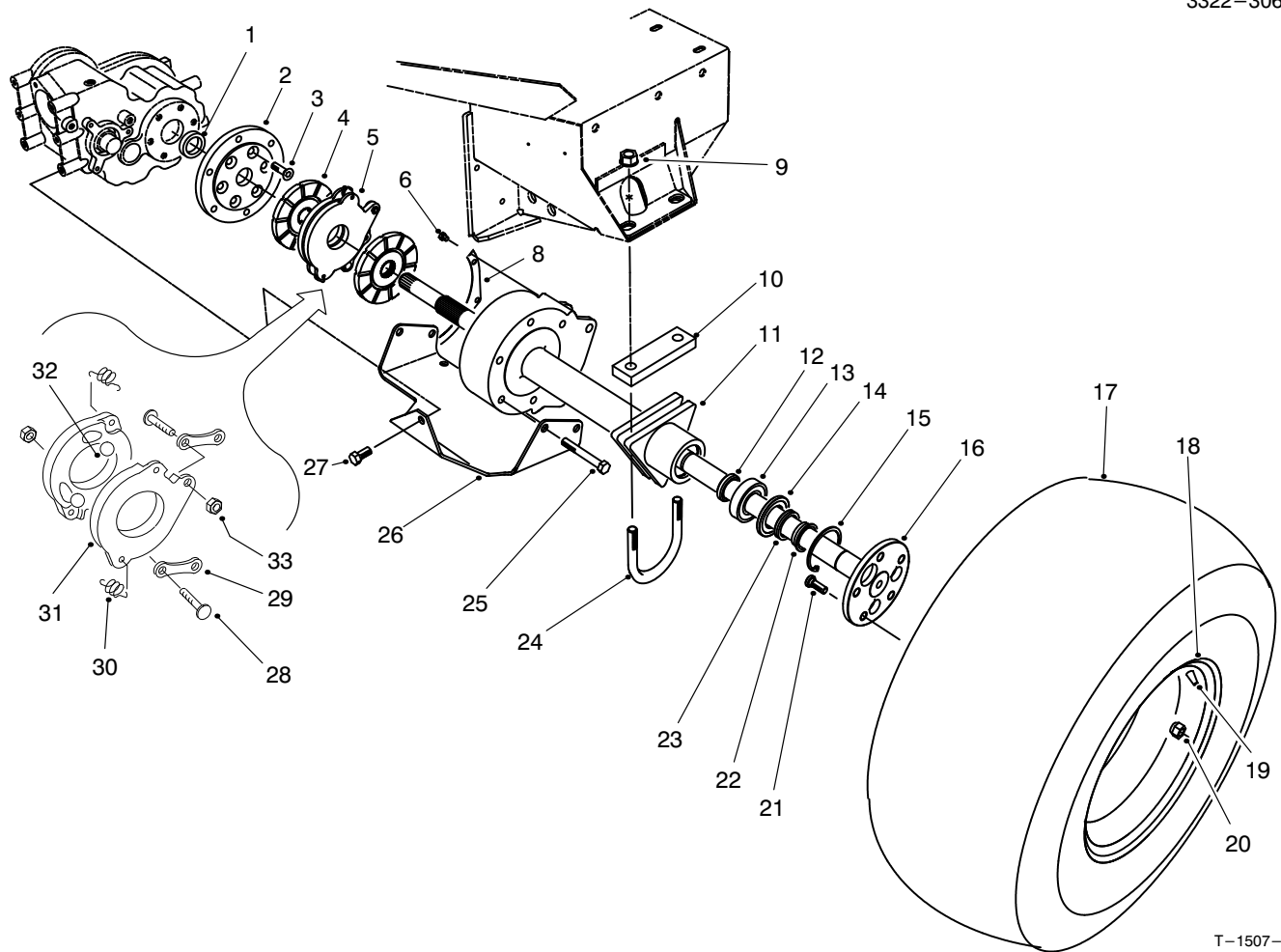


T-1493-1

HYDRAULIC MOTOR NO. 92-2556

Ref. No.	Part No.	Description	No. Used
1	28-3380	Plate - Valve	1
2	48-1800	Cylinder Block Kit	1
3	92-0636	Shaft Assembly (Incl. Ref. #7 & 8)	1
4	92-2571	Plug	2
5	237-65	Seal - O-Ring	2
6	74-9480	Seal - Lip	1
7		Sleeve	1
8		Bearing - Roller	1
9	82-4990	Housing - Fixed	1

Ref. No.	Part No.	Description	No. Used
10	25-2380	Plate - Thrust	1
11	67-9100	Gasket	1
12	77-3640	Bearing	1
13	25-2430	Pin - Straight	1
14	92-2572	End Cap Assembly (Incl. Ref. #12)	1
15	74-9510	Washer - Flat	1
16	74-9500	Screw - Cap Hex. Hd.	4
17	82-4970	Ring - Retaining	1

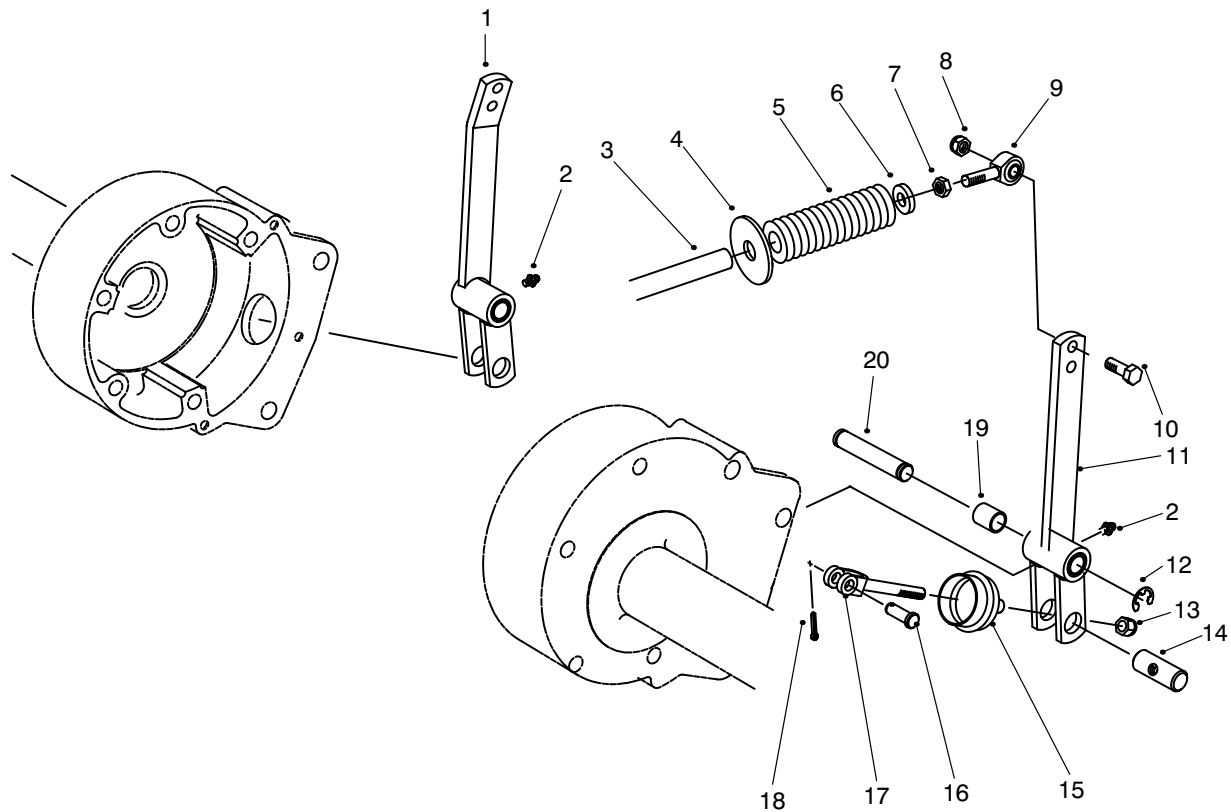


T-1507-1

FRONT AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	76-6010	Spacer - Transaxle (Supplied with transaxle)	2
2	76-4240	Plate - Adapter	2
3	3274-87	Screw - Flat Hd. Socket	12
4	74-3640	Disc - Brake	4
5	74-3630	Actuator - Brake (Incl. Ref. #28-33)	2
6	3234-30	Screw - Hex. Hd. Flange	6
8	76-8300	Cover - Housing, Axle	2
9	32128-50	Nut - Lock, Flange Hd.	4
10	84-1620	Plate - Support, Axle	2
11	92-9704	Housing - Axle	2
12	92-9708	Collar - Bearing	2
13	92-9710	Bearing - Ball	2
14	92-9709	Spacer - Bearing	2
15	32151-76	Ring - Retaining	2
16	92-9714	Axle Assembly (Incl. Ref. #12-15 & 21-23)	2

Ref. No.	Part No.	Description	No. Used
17	86-5900	Tire	2
18	217-124	Rim	2
19	232-27	Stem - Valve	2
20	23-7270	Nut - Wheel	10
21	242-34	Stud - Axle	10
22	92-9706	Spacer - Axle Shaft	2
23	92-9712	Seal - V-Ring	2
24	84-1590	U-Bolt	2
25	325-15	Screw - Cap Hex. Hd.	10
26	86-5430	Plate - Skid	1
27	325-4	Screw - Cap Hex. Hd.	1
28	92-7774	Stud	4
29	92-7775	Link	4
30	92-7776	Spring - Extension	4
31	92-7777	Disc - Actuating	4
32	92-7773	Ball	6
33	69-9940	Nut - Jam	4

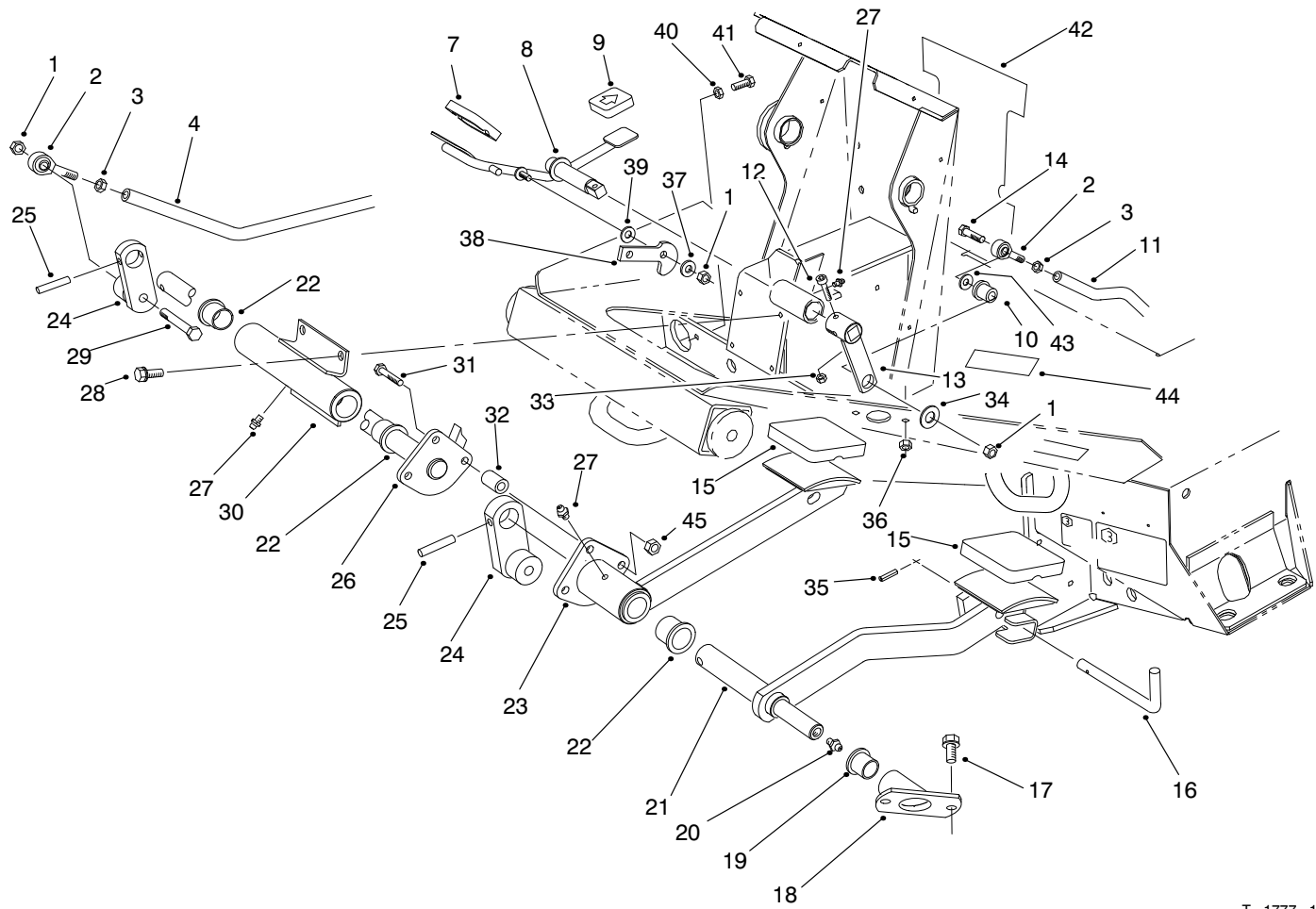


T-1491-1

BRAKE LINKAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	84-0940	Assy. - Brake Linkage Arm R.H. (Incl. Ref. #2 & 19)	1
2	302-5	Fitting - Grease	2
3	76-9690	Rod - Brake	2
4	86-5840	Plate - Spring	2
5	86-5830	Spring - Compression	2
6	66-6480	Washer	2
7	3220-3	Nut - Jam	2
8	3296-59	Nut - Lock	2
9	2411-36	Rod End	2
10	323-7	Screw - Cap Hex.. Hd.	2

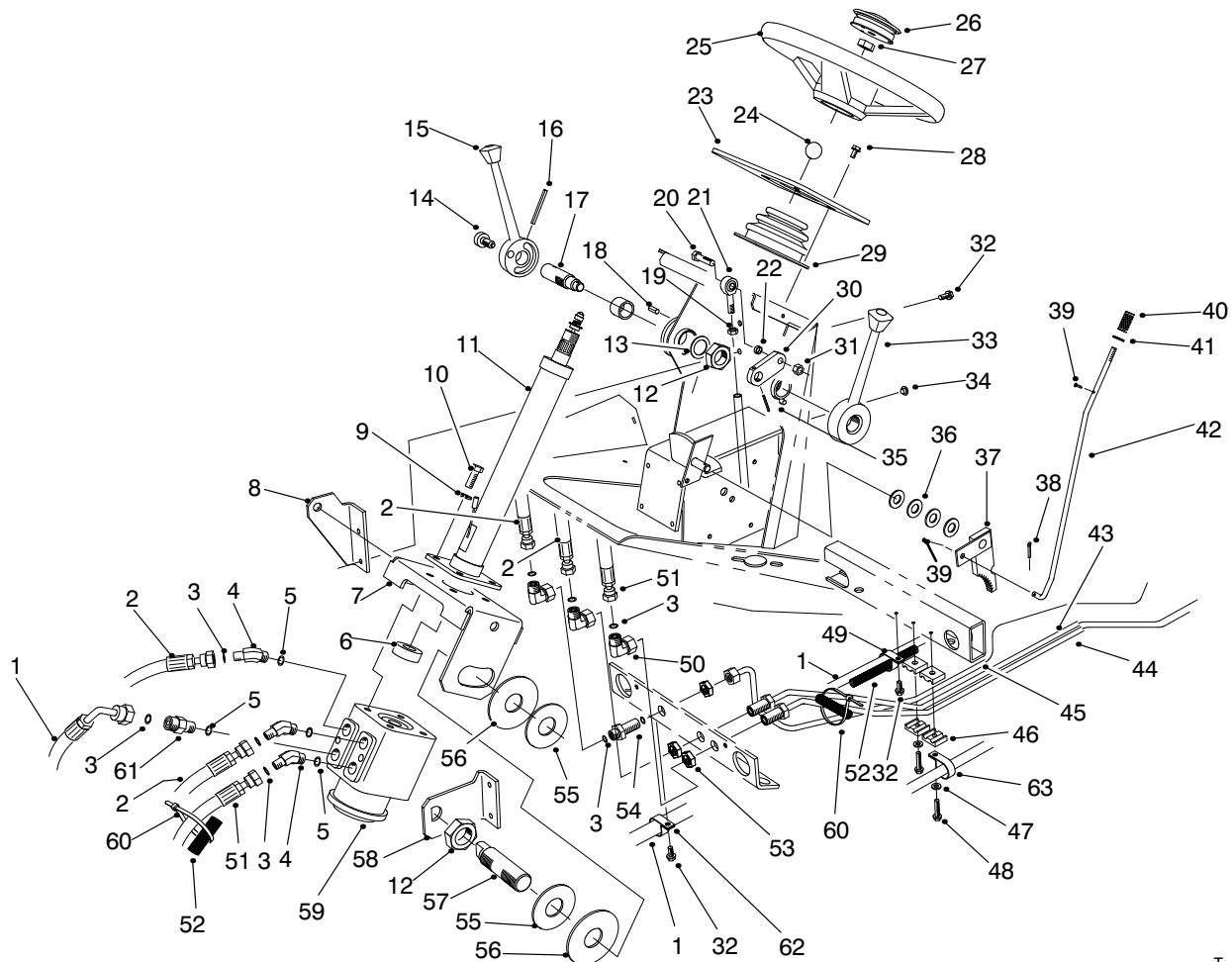
Ref. No.	Part No.	Description	No. Used
11	84-0970	Assy. - Brake Linkage Arm L.H. (Incl. Ref. #2 & 19)	1
12	32120-19	Ring - Retaining, Ext.	4
13	3296-39	Nut - Lock	2
14	76-8270	Pin - Brake	2
15	76-4180	Boot - Brake Rod	2
16	283-2	Pin - Clevis	2
17	76-6610	Clevis - Brake	2
18	3272-6	Pin - Cotter	2
19	5-2512	Bushing - Sleeve	2
20	84-0990	Pin - Pivot	2



T-1777-1

TRACTION & BRAKE PEDALS ASSEMBLY

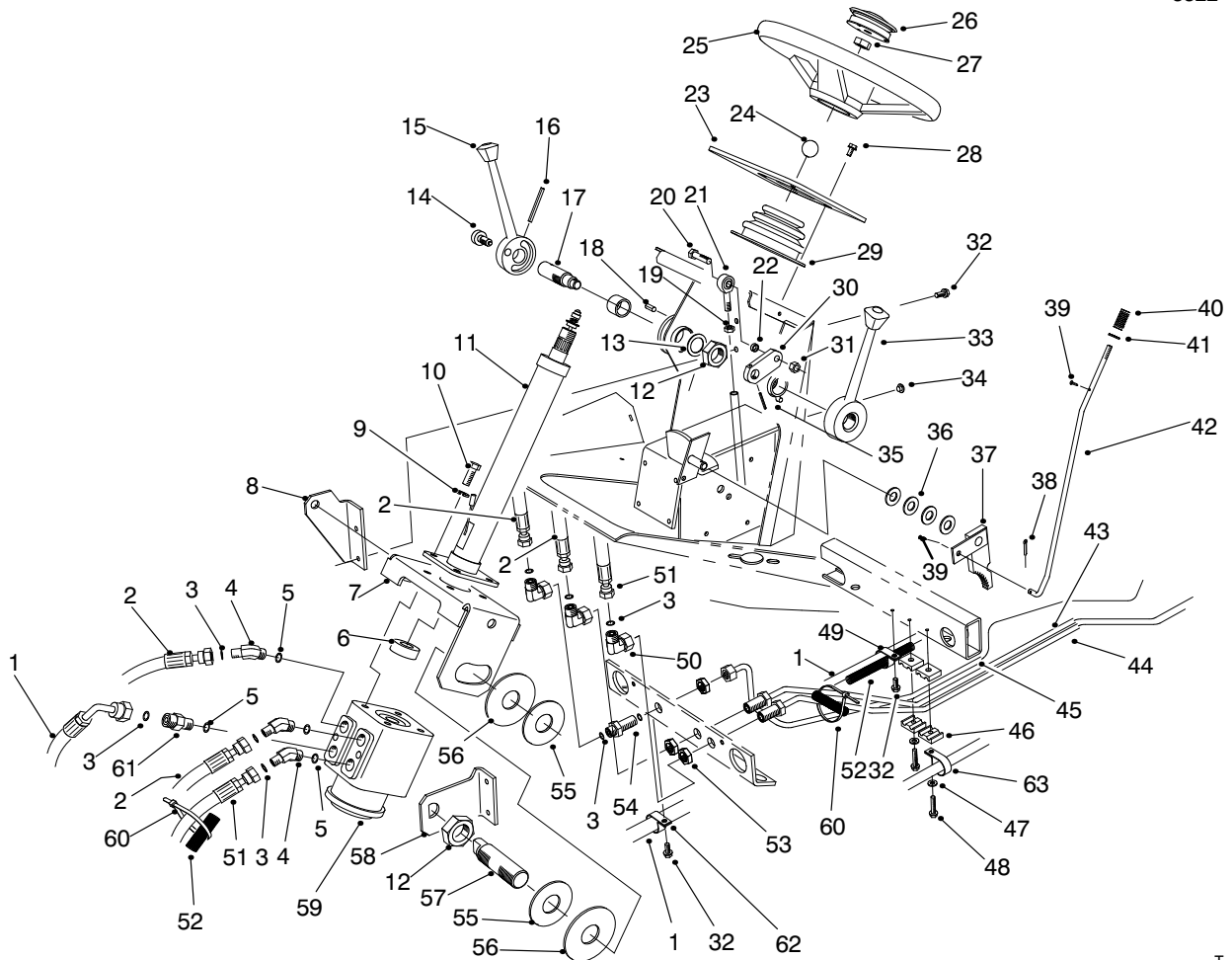
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3296-59	Nut - Lock	4	24	92-2586	Arm - Brake Linkage	2
2	2411-36	Eye - Rod	3	25	32121-25	Pin - Roll	2
3	3220-3	Nut - Jam	3	26	92-5806	Shaft - Brake	1
4	76-9690	Rod - Brake Linkage	2	27	302-5	Fitting - Grease	3
7	74-9100	Pad - Forward Pedal	1	28	32144-11	Screw - Hex. Flange Hd.	4
8	82-5190	Shaft - Traction Pedal	1	29	323-12	Screw - Cap Hex. Hd.	2
9	74-9110	Pad - Reverse Pedal	1	30	76-9030	Bearing Housing Assembly (Incl. Ref. #22 & 27)	1
10	63-9751	Mount - Linkage Rod	1	31	322-21	Screw - Cap Hex. Hd.	3
11	88-1160	Rod - Traction Linkage	1	32	66-1140	Hub	3
12	3274-19	Screw - Cap Socket Hd.	1	33	3296-42	Nut - Lock	1
13	92-1367	Arm - Traction Linkage	1	34	63-8410	Washer	1
14	323-9	Screw - Cap Hex. Hd.	1	35	32121-50	Pin - Roll	1
15	82-4960	Pad - Brake	2	36	32128-20	Nut - Lock	2
16	63-7880	Latch - Brake	1	37	3256-24	Washer - Flat	1
17	3234-14	Screw - Hex. Flange Hd.	2	38	74-6110	Stop - Pedal	1
18	76-9680	Bearing Housing Assembly (Incl. Ref. #19)	1	39	66-2920	Washer - Nylon	1
19	256-90	Bushing - Flange	1	40	3218-2	Nut - Jam	2
20	302-2	Fitting - Grease	1	41	322-4	Screw - Cap Hex. Hd.	2
21	92-5804	Pedal - Brake L.H.	1	42	93-9423	Decal - Operation	1
22	256-10	Bushing - Flange	4	43	3256-3	Washer - Flat	1
23	92-5805	Brake Pedal Assembly R.H. (Incl. Ref. #22 & 27)	1	44	93-9414	Decal - Warning	1
				45	32152-1	Nut - Lock	3



T-1516-1

STEERING TOWER ASSEMBLY

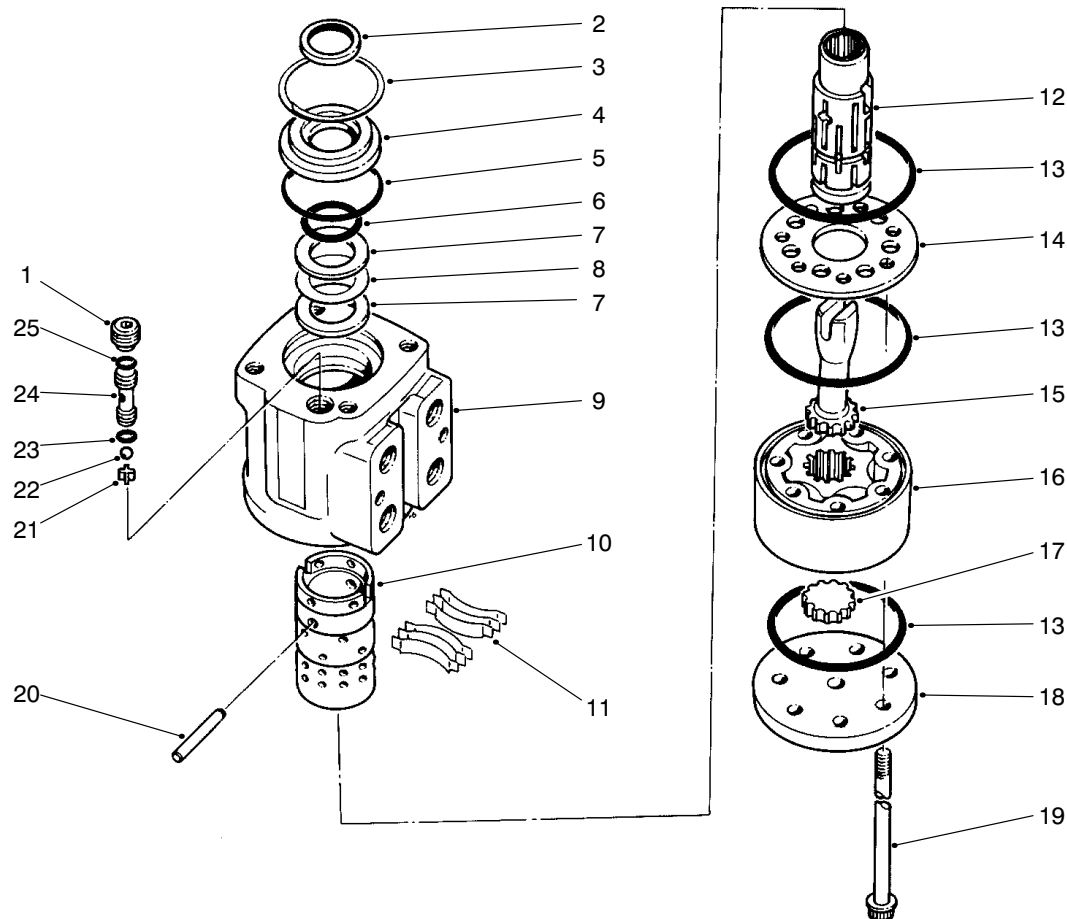
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	86-5570	Assembly - Hose	1	26	72-0130	Kit - Horn	1
2	86-3220	Assembly - Hose	2	27	47-6990	Nut	1
3	237-22	O-Ring	10	28	32144-4	Screw - Hex. Washer Hd.	4
4	340-138	Fitting - Hydraulic (Incl. Ref. #3 & 5)		29	76-9450	Boot - Column, Steering	1
5	237-79	O-Ring	3	30	84-0680	Link - Shift	1
6	21-9260	Cover - Dust	4	31	3296-59	Nut - Lock	1
7	76-8140	Bracket - Steering	1	32	32144-11	Screw - Hex. Washer Hd.	6
8	76-8160	Support - Steering	1	33	69-1560	Lever - Lock	1
9	3253-21	Washer - Lock	1	34	2410-64	Plug - Dome	2
10	323-6	Screw - Cap Hex. Hd.	4	35	32121-6	Pin - Roll	1
11	74-3670	Assy. - Column, Steering	1	36	3256-26	Washer - Flat	4
12	3296-49	Nut - Lock	2	37	63-7900	Rack - Brake	1
13	10-8110	Washer - Thrust	1	38	3272-10	Pin - Cotter	1
14	82-4950	Plunger - Spring	1	39	3272-5	Pin - Cotter	2
15	74-5770	Lever - Shift	1	40	95-1821	Spring	1
16	32121-10	Pin - Roll	1	41	3256-22	Washer - Flat	1
17	74-5790	Shaft - Pivot	1	42	76-9050	Rod - Brake, Parking	1
18	32121-123	Pin - Roll	2	43	86-5730	Assy. - Tube, R.H. Front	1
19	3220-3	Nut - Jam	1	44	86-5740	Assy. - Tube, L.H. Front	1
20	323-8	Screw - Cap Hex. Hd.	1	45	94-8299	Assy. - Tube, Steering	1
21	2411-36	Rod End	1	46	56-7973	Clamp - Tube	4
22	76-9100	Spacer	1	47	3256-71	Washer - Flat	2
23	93-9415	Panel - Tower	1	48	32144-57	Screw - Hex. Washer Hd.	2
24	233-17	Knob	1	49	2412-74	Clamp - R	2
25	68-8080	Wheel - Steering	1	50	340-159	Fitting - Hydraulic (Incl. Ref. #3)	3



T-1516-1

STEERING TOWER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
51	86-3210	Assembly - Hose	1	57	76-8340	Shaft - Pivot, Steering	1
52	95-4375	Harness - Wire	1	58	76-8150	Support - Shaft, Steering	1
53	340-70	Nut - Bulkhead	3	59	92-9729	Valve - Control, Steering	1
54	340-71	Union - Bulkhead (Incl. Ref. #3)	1	60	3290-378	Tie - Cable	2
55	20-9500	Washer	2	61	59-6430	Valve - Check (Incl. Ref. #3 & 5)	1
56	31-0390	Washer - Friction	2	62	2412-104	Clamp - R	1



T-1007-1

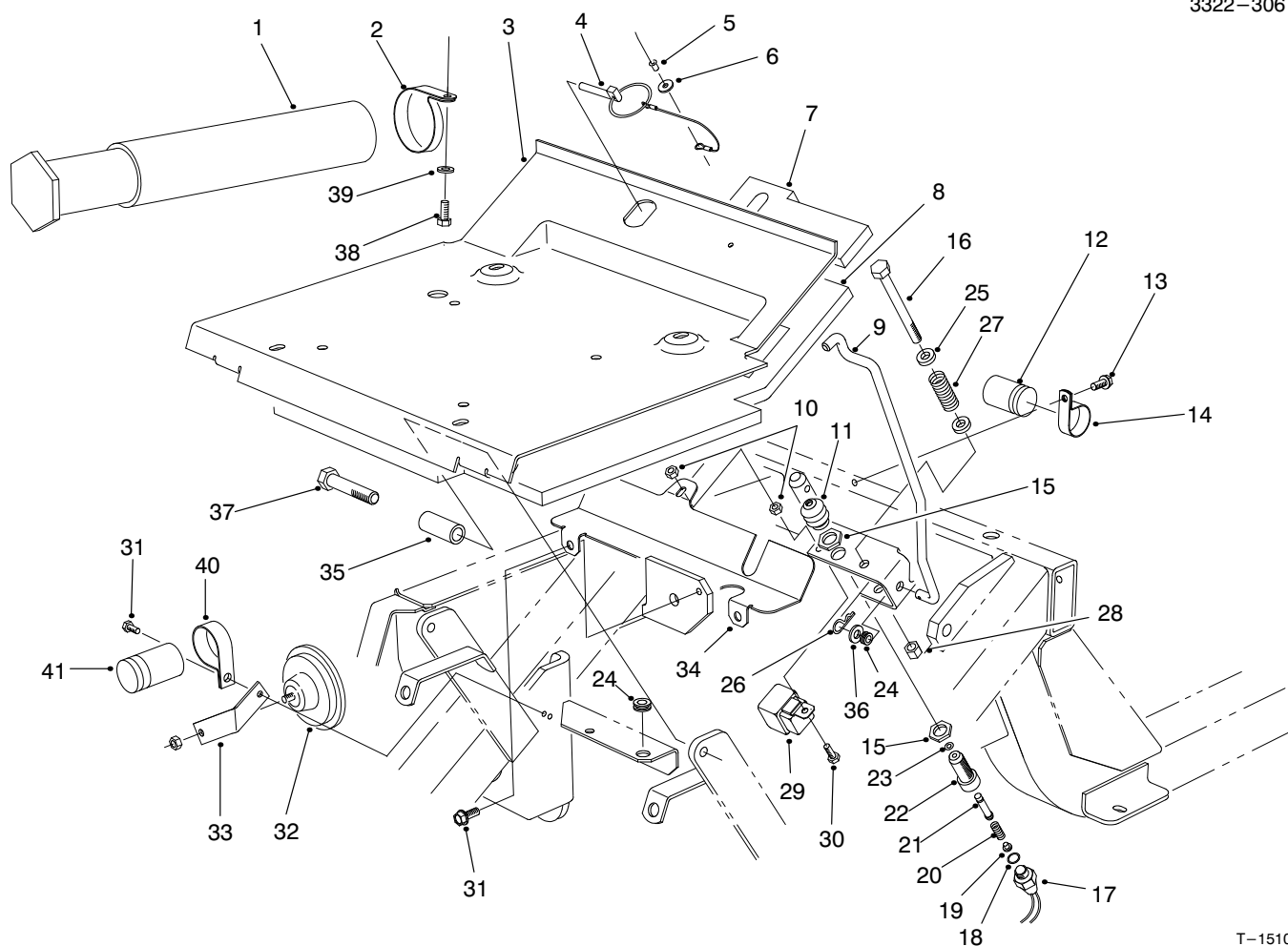
POWER STEERING VALVE NO. 92-9729

Ref. No.	Part No.	Description	No. Used
1	52-9260	Screw-Set	1
†2		Seal-Dust	1
3	52-9230	Ring-Retaining	1
4	52-9240	Bushing-Seal, Gland	1
†5		Seal	1
†6		Seal-Ring, Quad	1
7	59-6730	Race-Bearing	2
8	59-6740	Bearing-Needle, Thrust	1
†9		Housing	1
†10		Sleeve-Control	1
11	59-6820	Centering Spring Kit	1
†12		Spool-Control	1
†13		Seal	3
14	92-9732	Plate - Wear	1
15	52-9320	Drive	1
16	76-6300	Gerotor	1

Ref. No.	Part No.	Description	No. Used
17	76-6320	Spacer	1
18	92-9730	Cap-End	1
19	92-9736	Screw-Cap	7
20	59-6830	Kit-Centering Pin	1
21	52-9290	Retainer-Check Ball	1
22	52-9280	Ball-Check	1
†23		Seal	1
24	52-9270	Seat-Ball, Check	1
†25		Seal	1
*	52-9250	Needle Bearing Kit (Incl. Ref. #7-8)	1
*	92-9749	Seal Kit (Incl. Ref. #2, 5-6, 13, 23 & 25)	1
*	92-9745	End Cap Kit (Incl. Ref. #14, 18 & 19)	1

*Not Illustrated

†Not Serviceable Separately

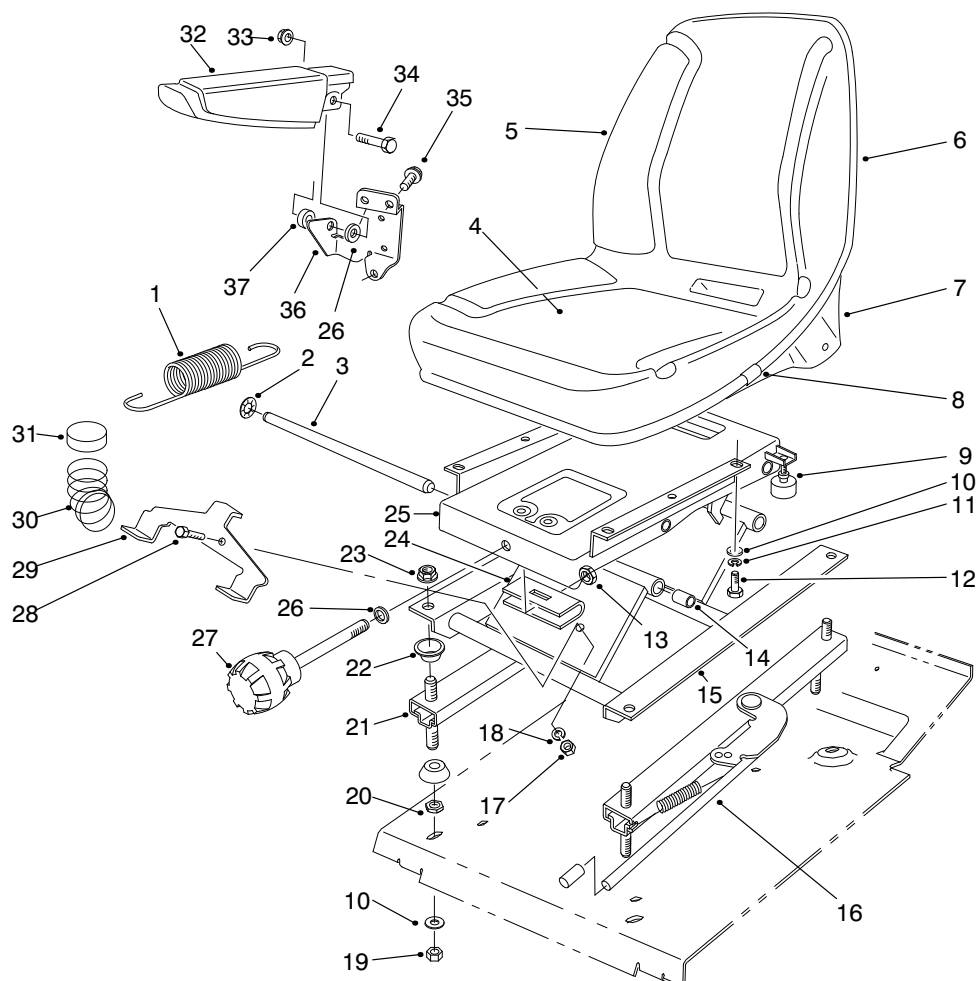


T-1510-2

SEAT PLATE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	74-0720	Tube - Manual	1	23	237-7	O-Ring	1
2	2412-133	Clamp - R	2	24	237-136	Grommet	2
3	76-9460	Plate - Seat	1	25	80-7730	Spacer	2
4	77-3780	Pin - Lynch	1	26	3290-307	Pin - Cotter, Hair	1
5	3290-282	Rivet - Pop	1	27	88-1420	Spring - Compression	1
6	3256-49	Washer - Flat	1	28	3296-39	Nut - Lock	1
7	76-9930	Foam - Seat Plate Rear	1	29	70-1480	Relay - SPDT	1
8	82-4900	Foam - Seat Front	1	30	321-5	Screw - Cap Hex. Hd.	1
9	76-9440	Rod - Seat Prop	1	31	32144-11	Screw - Hex. Washer Hd.	3
10	32128-33	Nut - Lock	2	32	48-4590	Horn	1
11	43-8870	Boot - Switch	1	33	74-8910	Bracket - Horn	1
12	37-2690	Capacitor	1	34	86-2860	Cover - Belt, Upper	1
13	32104-82	Screw - Hex. Washer Hd.	1	35	76-9480	Sleeve - Pivot, Seal	2
14	2412-74	Clamp	1	36	3256-3	Washer - Flat	1
15	218-461	Nut - Hex	2	37	325-9	Screw - Cap Hex. Hd.	2
16	323-17	Screw - Hex. Hd.	1	38	322-2	Screw - Cap Hex. Hd.	2
17	72-4320	Switch - Ball	1	39	3256-23	Washer - Flat	2
18	237-30	O-Ring	1	40	2412-74	Clamp - R	1
19	43-8610	Guide	1	41	37-2690	Capacitor	1
20	43-8600	Spring - Switch	1	*	43-9071	Seat Switch Assembly (Incl. Ref. #11, 15, & 17-23)	1
21	43-8860	Plunger - Switch	1				
22	43-8620	Guide - Pin, Switch	1				

*Not Illustrated



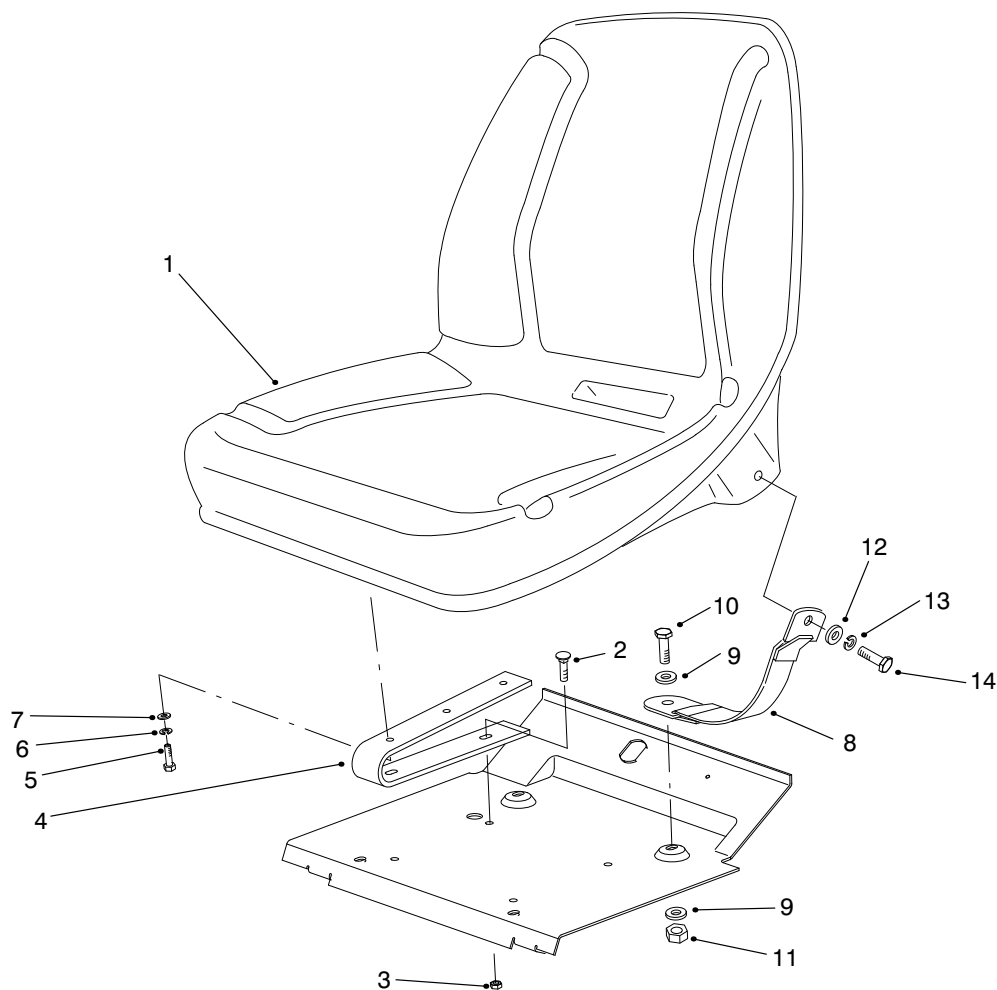
T-2244-1

SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	76-1940	Spring - Extension	2
2	66-8560	Nut - Push	4
3	76-1910	Shaft - Pivot	2
4	92-6533	Seat Cushion Assembly (Incl. Ref. #8)	1
5	92-1180	Seat Assembly (Incl. Ref. #4 & 6-8)	1
6	351-78	Edging - Seat	1
7	92-6534	Shell - Seat	1
8	351-80	Clip - Edging	1
9	76-2940	Bumper	2
10	3256-2	Washer - Flat	8
11	3253-4	Washer - Lock	4
12	322-3	Screw - Cap Hex. Hd.	4
13	32153-2	Nut - Lock	1
14	76-1920	Bearing - Sleeve	4
15	66-8610	Frame - Lower	1
16	66-8510	Adjuster & Handle	1
17	3217-6	Nut - Hex.	1
18	3253-33	Washer - Lock	1

Ref. No.	Part No.	Description	No. Used
19	3296-29	Nut - Lock	4
20	3218-2	Nut - Jam	4
21	66-8530	Adjuster	1
22	66-9290	Spacer - Suspension	8
23	32128-25	Nut - Flange Lock	4
24	77-2870	Hanger - Spring	1
25	66-8600	Frame - Upper	1
26	3256-24	Washer - Flat	3
27	76-1930	Knob - Adjustment	1
28	322-6	Screw - Cap Hex. Hd.	1
29	93-3165	Bracket - Spring	1
30	93-3163	Spring - Compression	2
31	93-3164	Cup - Spring	2
32	69-1180	Armrest	2
33	32128-19	Nut - Flange Lock	2
34	323-9	Screw - Cap Hex. Hd.	2
35	3234-14	Screw - Hex. Flange Hd.	6
36	69-0770	Bracket - Armrest R.H.	1
*	69-0760	Bracket - Armrest L.H.	1
37	92-7301	Spacer	2

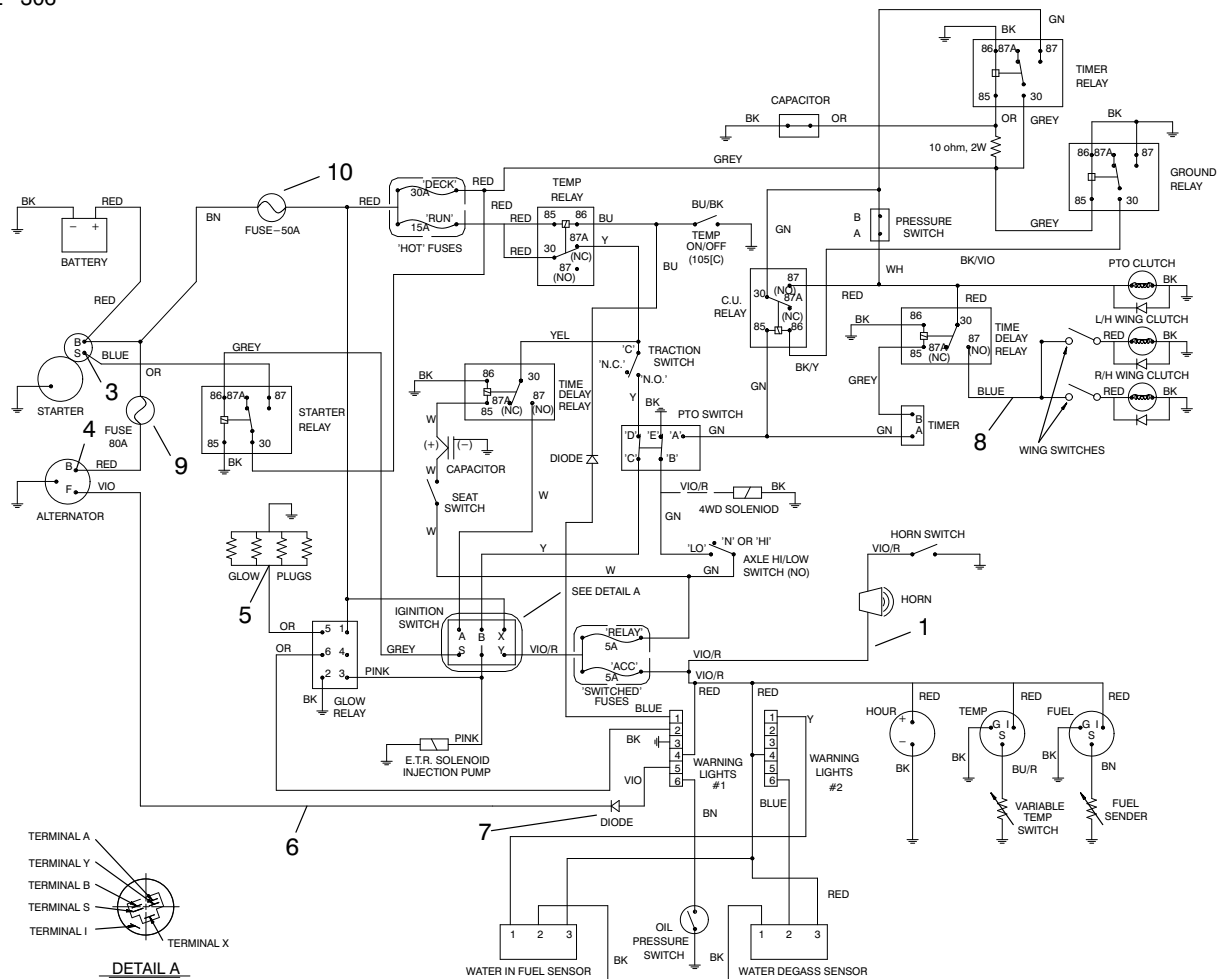
*Not Illustrated



T-2245-1

LOW SEAT ASSEMBLY (Optional)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	92-1180	Seat Assembly	1	8	92-5521	Tether Strap	2
2	3230-16	Bolt - Carriage	4	9	3256-24	Washer	4
3	3296-29	Nut - Lock	4	10	323-6	Screw - Cap Hex. Hd.	2
4	68-3280	Spring - Seat	2	11	3296-39	Nut - Lock	2
5	322-4	Screw - Cap Hex. Hd.	4	12	3256-5	Washer - Flat	2
6	3253-4	Washer - Lock	4	13	3253-6	Washer - Lock	2
7	3256-2	Washer	4	14	3212-5	Screw - Cap Hex. Hd.	2

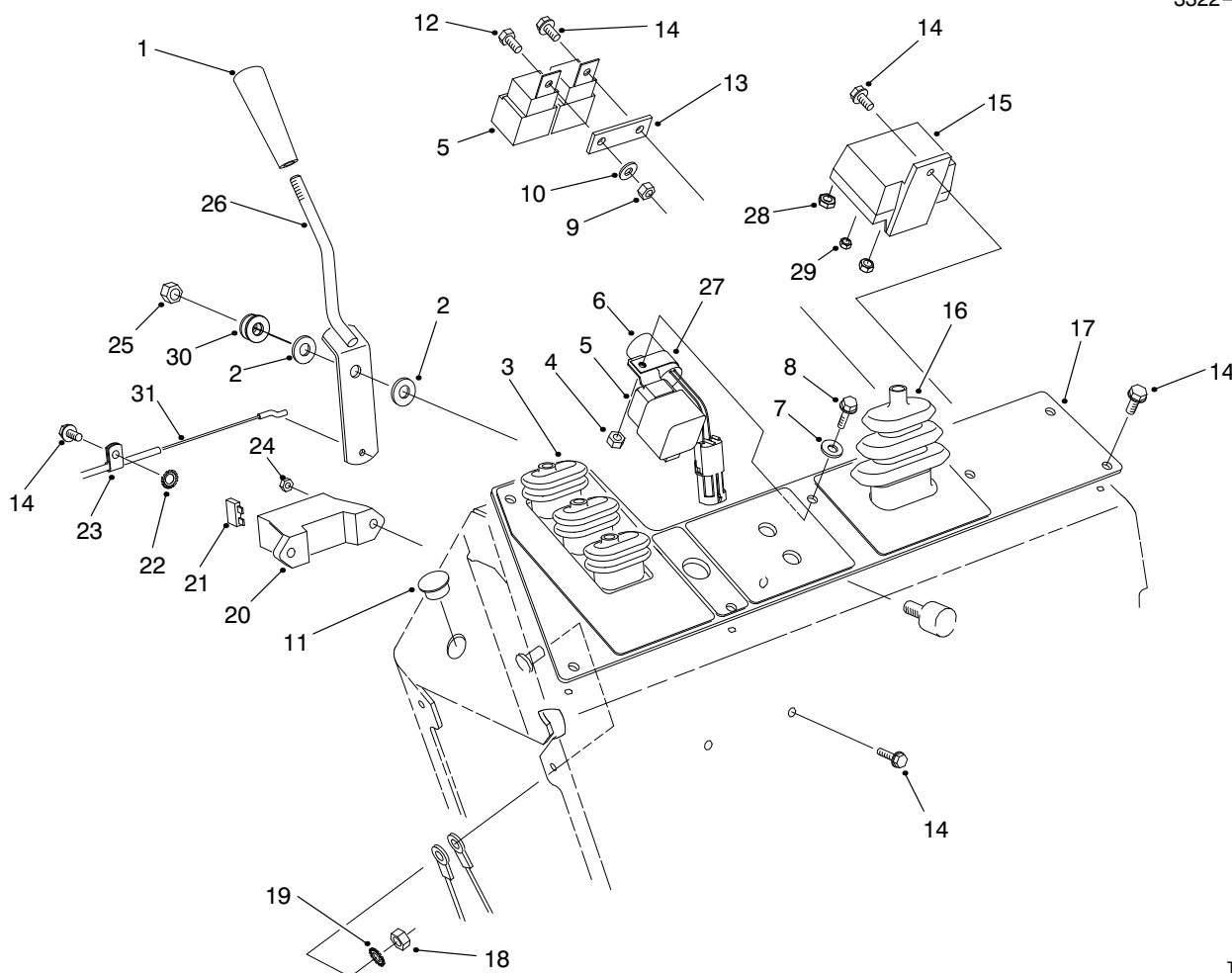


T-2721-1

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	86-5470	Harness - Front	1
3	48-7930	Nut - Hex	1
4	48-7890	Nut - Hex.	1
5	48-7880	Nut - Hex.	2
6	94-5623	Harness - Wire, Main (Incl. Ref. #7)	1

Ref. No.	Part No.	Description	No. Used
7	86-7470	Diode	4
8	95-4375	Harness - Wire, Deck	1
9	94-8001	Fuse - Blade, 80 Amp	1
10	94-8002	Fuse - Blade, 50 Amp	1

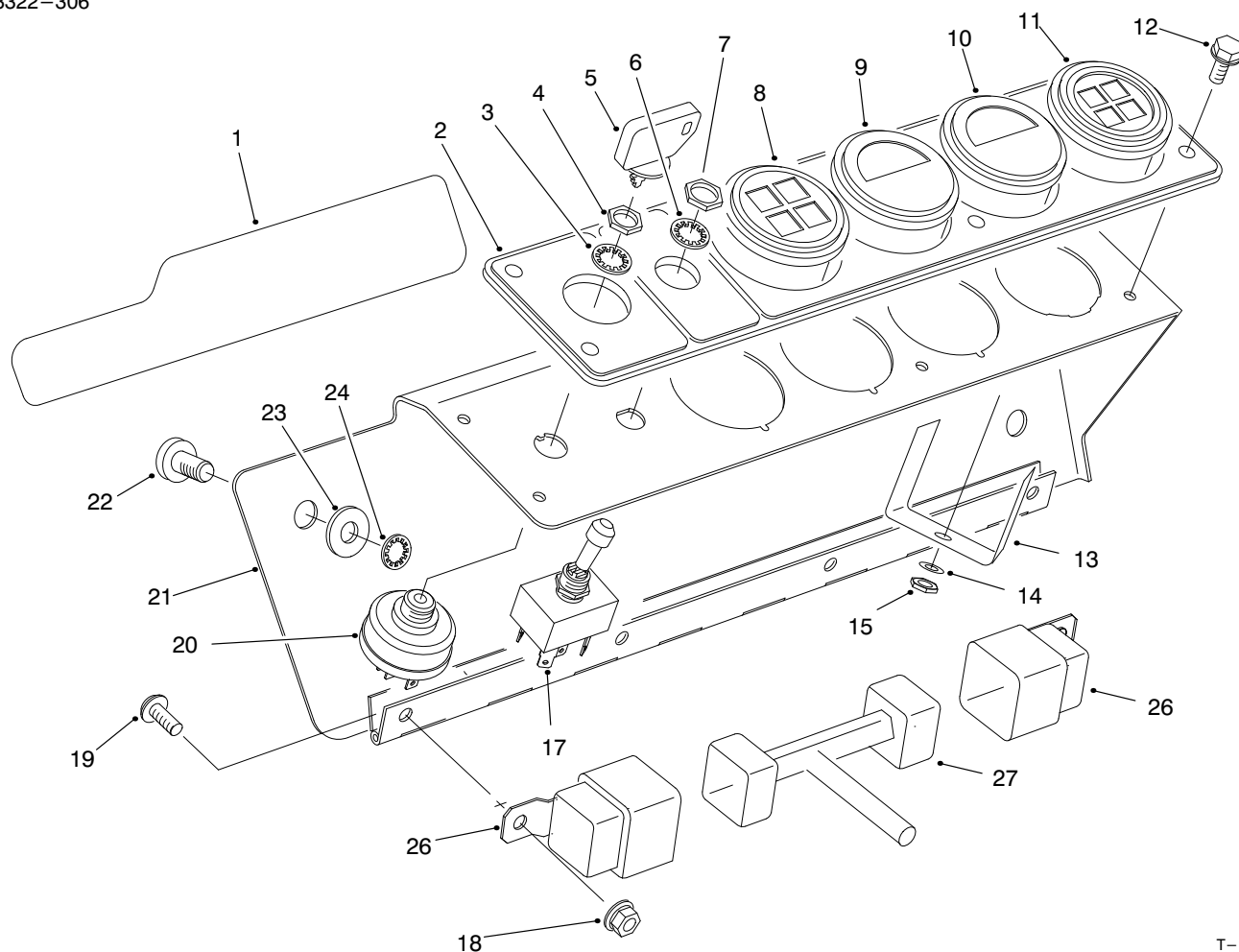


T-1492-1

CONTROL CONSOLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	233-39	Knob - Throttle	1	18	3296-47	Nut - Lock	1
2	66-2920	Washer - Friction	2	19	3255-8	Washer - Lock Ext. Tooth	1
3	76-8450	Boot - Lift Lever	1	20	67-7160	Holder - Fuse	1
4	3290-148	Nut - Lock	1	21	218-573	Fuse - 5A	2
5	70-1480	Relay - Sealed	3	21	218-581	Fuse - 15A	1
6	83-2280	Timer - Delay	1	*	218-593	Fuse - 30A	1
7	3256-77	Washer - Flat	1	22	3255-7	Washer - Lock Ext. Tooth	1
8	3290-126	Screw - Hex. Washer Hd.	3	23	2412-31	Clip - Conduit	1
9	3296-42	Nut - Lock	2	24	3296-12	Nut - Lock	2
10	3256-78	Washer - Flat	1	25	3296-44	Nut - Lock	1
11	94-5627	Plug	1	26	76-4300	Lever - Throttle	1
12	321-2	Screw - Cap Hex. Hd.	1	27	2412-39	R-Clamp	1
13	77-3970	Spacer - Relay	1	28	48-7880	Nut - Hex.	1
14	32144-4	Screw - Hex. Washer Hd.	10	29	48-7890	Nut	1
15	76-5260	Relay - Glow Plug	1	30	3256-24	Washer	1
16	76-8440	Boot - Throttle	1	31	74-5480	Cable - Throttle	1
17	93-9422	Panel - Console	1				

*Not Illustrated

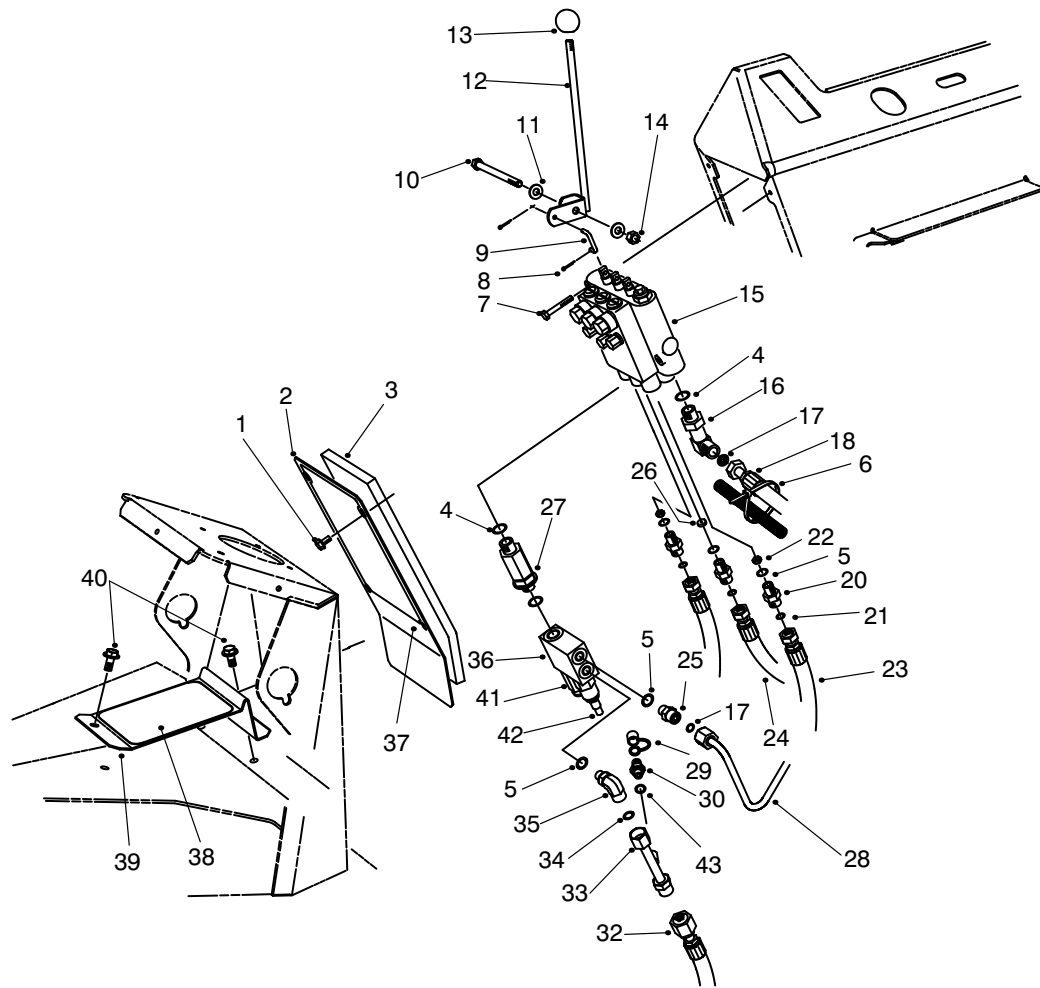


T-1517-3

GAGE PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	92-6564	Decal - 4 Matic	1	15	3217-26	Nut	2
2	93-9416	Panel - Gauge	1	*16	219-17	Bulb	4
3	218-446	Washer - Lock	1	17	85-4980	Switch - Toggle (Incl. Ref. #6-7)	1
4	218-447	Nut - Hex.	1	18	32128-33	Nut - Flange Lock	4
5	63-8360	Key - Ignition	1	19	3274-68	Screw - Socket Button Hd.	4
6	3254-20	Washer - Lock, Int. Tooth	1	20	27-2360	Switch - Ignition (Incl. Ref. #3-4)	1
7	3218-19	Nut - Hex.	2	21	82-3750	Cover - Console	1
8	93-7483	Light - Warning Bank (Incl. Ref. #13-16 & 25)	1	22	3250-36	Screw	2
9	76-9060	Gauge - Temperature	1	23	3256-3	Washer	2
10	66-2940	Gauge - Fuel	1	24	32151-72	Retainer - Push-On	2
11	93-7484	Light - Warning Bank (Incl. Ref. #13-16 & 25)	1	*25	87-6270	Socket - Light	4
12	32144-4	Screw - Hex. Washer Hd.	6	26	70-1480	Relay	2
13		Clamp	2	27	94-5629	Harness - Wire	1
14	3254-1	Washer - Lock	2				

*Not Illustrated

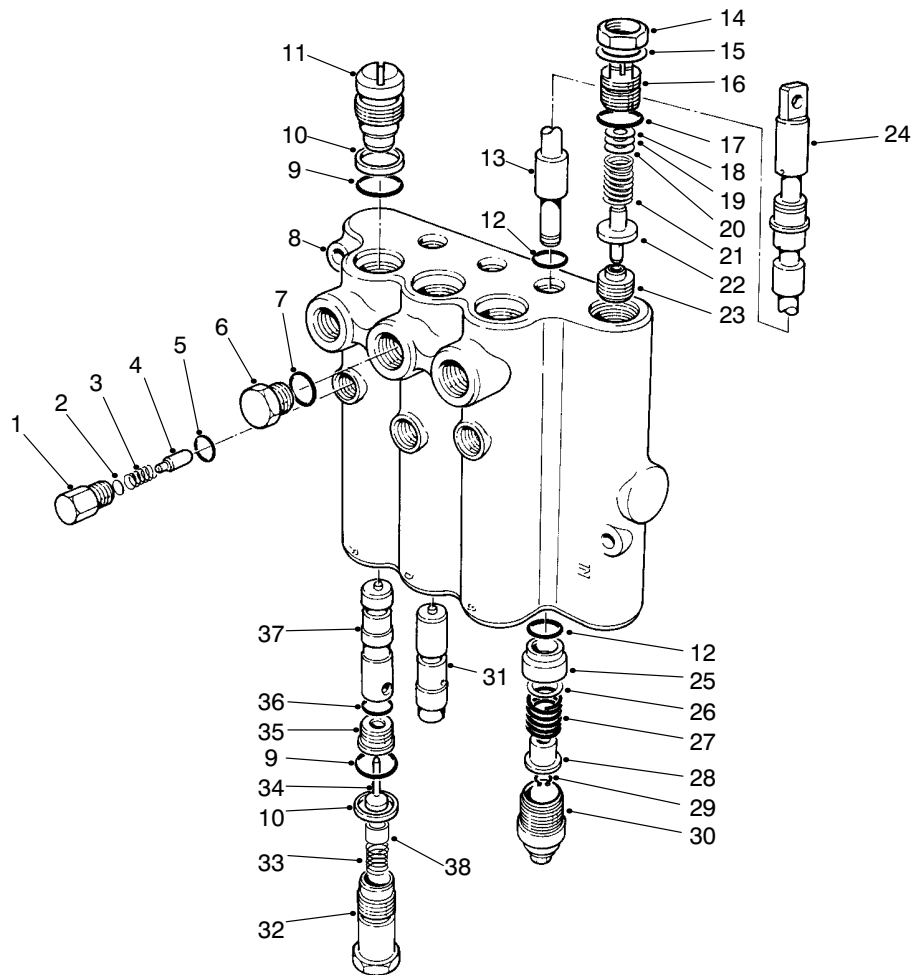


T-1504-1

LIFT VALVE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	46-6810	Assy. - Screw & Washer	4	24	86-3180	Assembly - Hose	1
2	76-7090	Cover - Front, Control	1	25	340-2	Fitting - Adapter (Incl. Ref. #5 & 17)	1
3	76-6270	Foam - Panel	1	26	84-6402	Orifice	1
4	237-79	O-Ring	3	27	74-5910	Fitting - Bulkhead, Special (Incl. Ref. #4)	1
5	237-42	O-Ring	5	28	86-5770	Assy. Tube, Relief Valve	1
6	3290-379	Tie - Cable	1	29	353-947	Cap - Fitting	1
7	321-10	Screw - Cap Hex. Hd.	2	30	354-77	Fitting - Test Port (Incl. Ref. #43)	1
8	3272-1	Pin - Cotter	6	32	86-3230	Assembly - Hose	1
9	69-9140	Link - Lever, Valve	3	33	86-5760	Assy. - Tube, Deck Return	1
10	323-17	Screw - Cap Hex. Hd.	1	34	237-30	O-Ring	1
11	3256-24	Washer - Flat	2	35	340-99	Fitting - Hydraulic 90° (Incl. Ref. #5 & 34)	1
12	74-6060	Lever - Valve, R.H.	1	36	86-5440	Valve - Relief, Dual (Incl. Ref. #41 & 42)	1
*	74-6050	Lever - Valve, Center	1	37	93-7242	Decal - Service	1
*	69-7010	Lever - Valve, L.H.	1	38	76-7040	Pad - Foot	1
13	233-42	Knob	3	39	82-5300	Support - Heel	1
14	3296-39	Nut - Lock	1	40	32144-11	Screw - Hex. Washer Hd.	2
15	92-7762	Lift Valve Assembly	1	41	88-1520	Cartridge - Relief	1
16	63-4090	Fitting - Adapter 90° (Incl. Ref. #4 & 17)	1	42	88-1530	Cartridge - Relief	1
17	237-22	O-Ring	2	43	237-78	O-Ring	1
18	95-4354	Assembly - Hose	1	*	75-2080	Seal Kit	1
20	88-1380	Fitting - Adapter (Incl. Ref. #5 & 21)	3			San Diego (for Ref. #41-42)	1
21	237-21	O-Ring	3				
22	86-2501	Orifice	2				
23	86-3190	Assembly - Hose	2				

*Not Illustrated



T-0379-1

LIFT VALVE ASSEMBLY NO. 92-7762

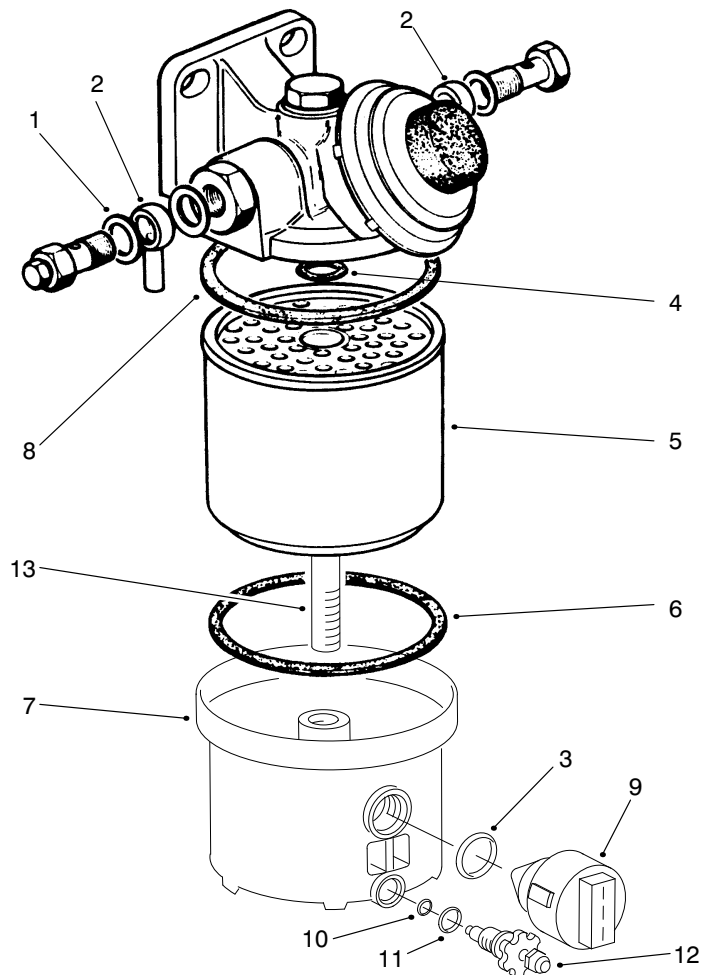
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	58-6780	Plug Assembly (Incl. Ref. #5)	3	21	92-2567	Spring	1
2	60-6450	Disc	A/R	22	92-2568	Poppet	1
3	58-6760	Spring	3	†23		Seat	1
4	58-6770	Plunger - Detent	3	24	58-6320	Wiper - Seal	3
5	58-6790	Seal - O-Ring	3	25	58-6400	Bushing	3
6	353-508	Plug Assembly (Incl. Ref. #7)	3	26	58-6700	Washer	3
7	58-6720	Seal - O-Ring	3	27	58-6730	Spring	3
†8		Body	1	28	58-6310	Spacer	3
9	60-5720	Seal - O-Ring	6	29	58-6460	Ring - Retaining	3
10	58-6370	Washer - Back-Up	6	30	58-6420	Cap Assembly	3
11	58-6350	Plug Assembly (Incl. Ref. #9-10)	3	31	84-6430	Plunger	1
12	58-6450	Seal - O-Ring	6	32	92-7780	Plug Assembly (Incl. Ref. #9-10)	3
†13		Spool	3	33	92-7778	Spring	3
†14		Nut - Lock	1	34	58-6290	Poppet Assembly	3
†15		Washer	1	35	58-6330	Seat Assy. (Incl. Ref. #36)	3
16	69-1830	Plug Assembly (Incl. Ref. #14, 15 & 17)	1	36	58-6340	Seal - O-Ring	3
17	58-6750	Seal - O-Ring	1	37	84-6420	Plunger	2
18	58-6470	Washer	A/R	38	92-7779	Eyelet	3
19	58-6480	Washer	A/R	*	60-3780	Seal Kit (Incl. Ref. #5, 7, 9, 10, 12, 12, 17, 24, 29, 34, & 36)	1
20	58-6490	Washer	A/R				

*Not Illustrated

†Not Serviceable Separately

FUEL TANK ASSEMBLY

21

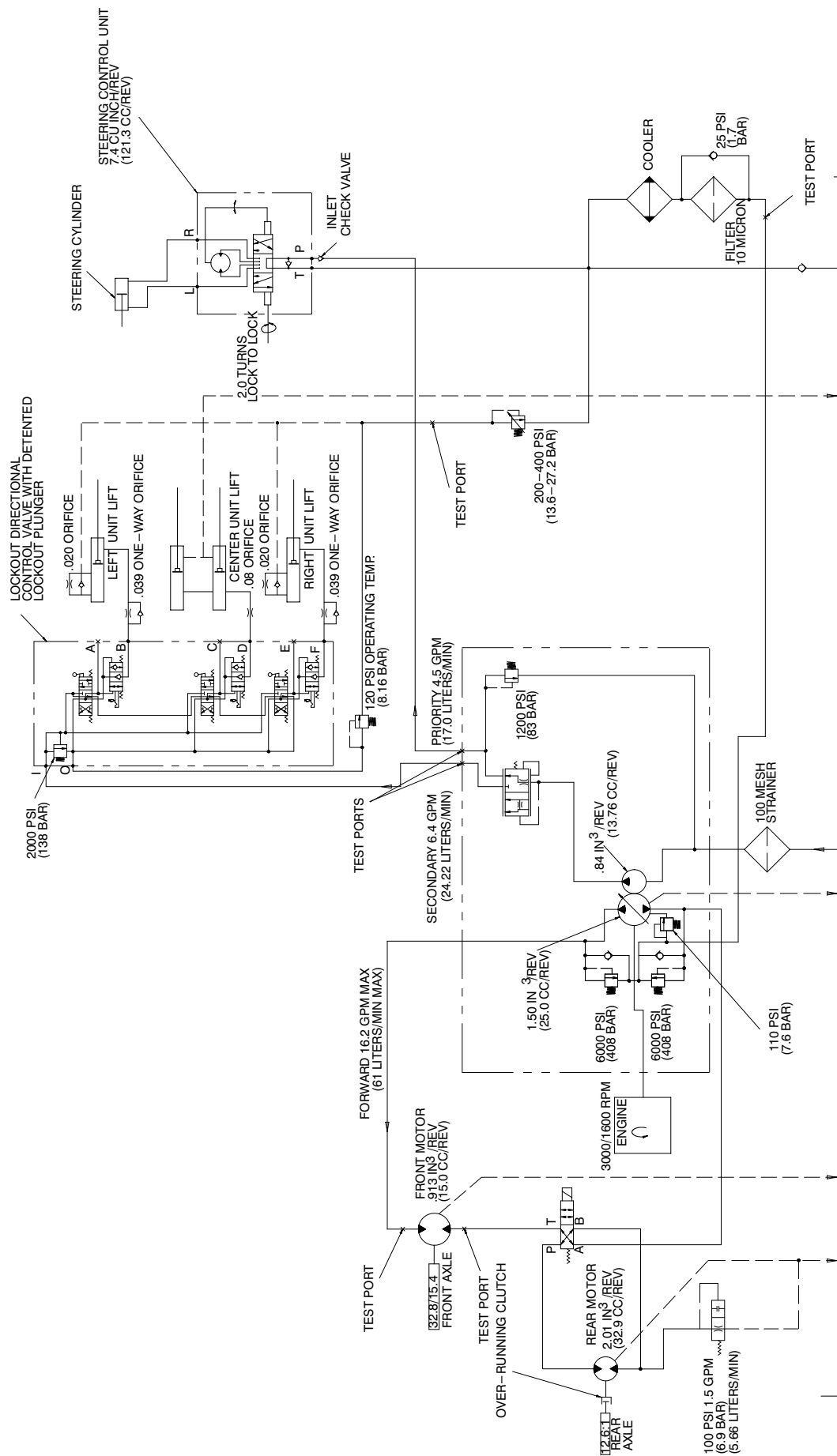


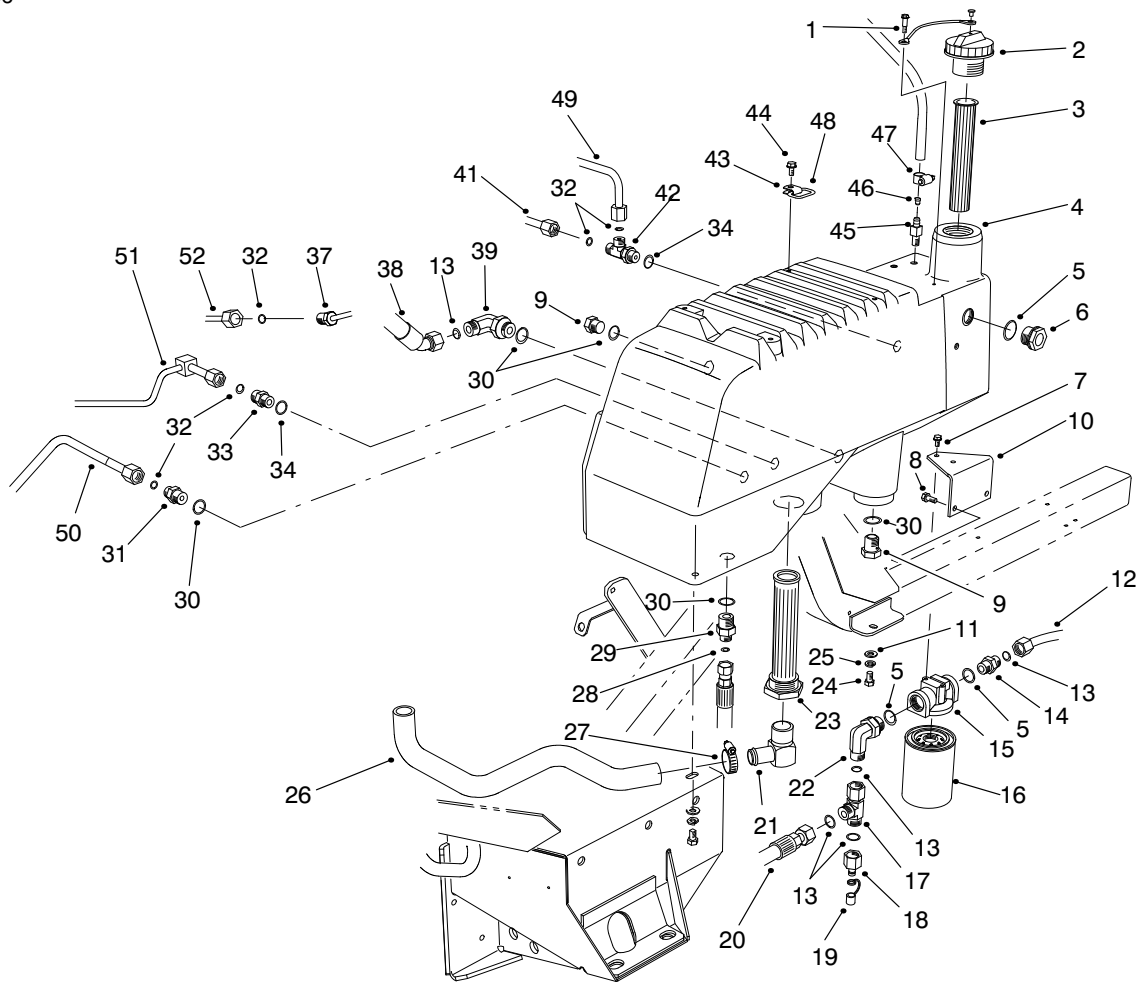
T-0966-2

FUEL FILTER ASSEMBLY NO. 76-5300

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	76-5180	Washer - Copper	4	8		Seal - Gasket	1
2	76-5190	Fitting - Adjustable	2	9	76-5320	Water Sensor Assembly (Incl. Ref. #3)	1
3	94-8025	O-Ring	1	10	94-8027	O-Ring	1
4		Seal - O-Ring	1	11	94-8028	O-Ring	1
5	76-5220	Element - Filter (Incl. Ref. #4, 6 & 8)	1	12	94-8026	Vent Assembly (Incl. Ref. #10 & 11)	1
6		Seal - Gasket	1	13		Bolt	1
7		Cap - Fuel Filter	1				

HYDRAULIC SCHEMATIC



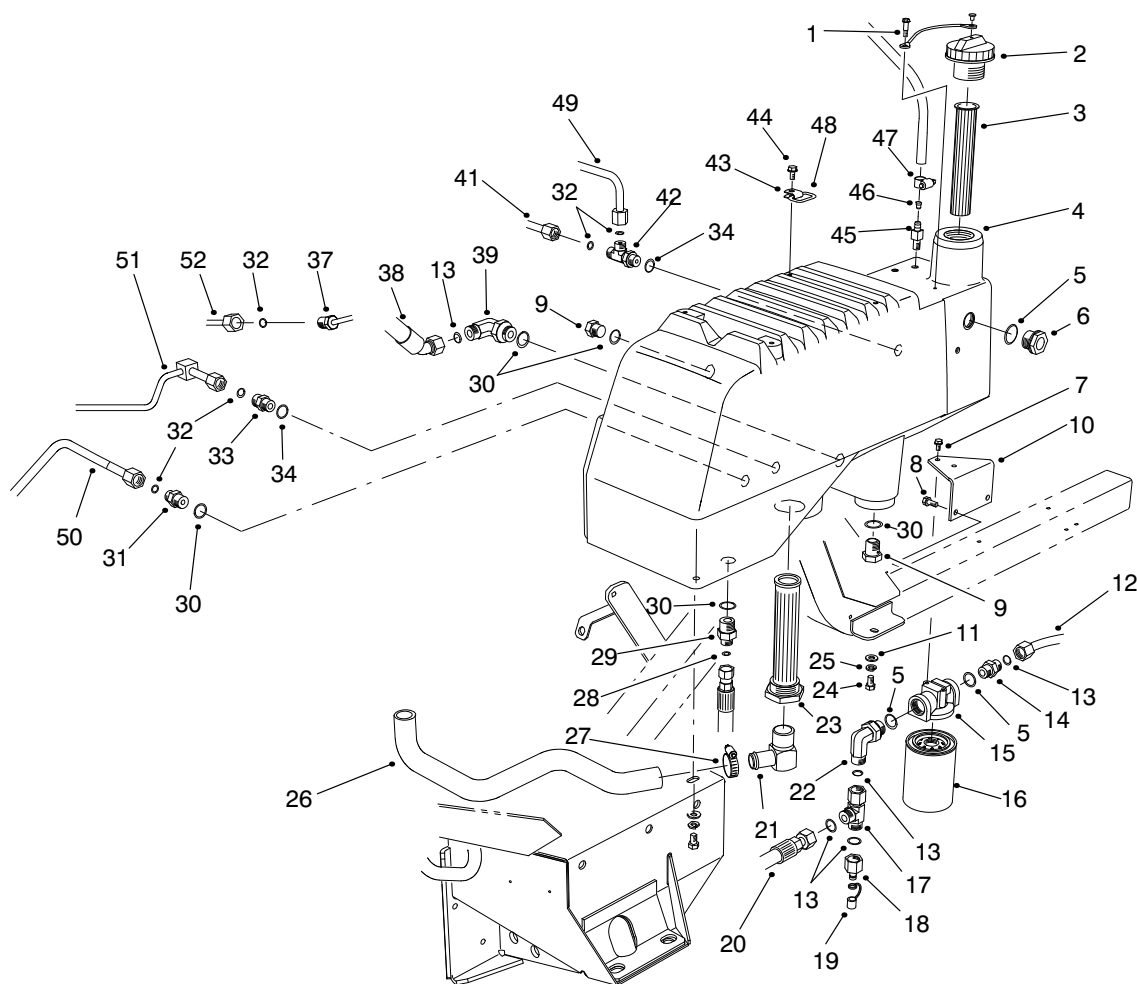


T-2704-1

HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	57-5420	Screw - Shoulder	1
2	93-7160	Cap - Oil	1
3	61-2790	Screen	1
4	82-3700	Reservoir - Hydraulic	1
5	237-81	O-Ring	3
6	69-1170	Gauge - Sight (Incl. Ref. #5)	1
7	3234-13	Screw - Hex. Washer Hd.	2
8	32144-11	Screw - Hex. Washer Hd.	2
9	353-551	Plug (Incl. Ref. #30)	2
10	92-5840	Bracket - Mount, Filter	1
11	240-11	Grommet	3
12	74-6400	Assembly - Tube, Filter Line	1
13	237-65	O-Ring	5
14	340-8	Fitting - Adapter (Incl. Ref. #5 & 13)	1
15	92-5821	Assembly - Head, Filter	1
16	86-3010	Filter - Transmission	1
17	340-147	Fitting - Hydraulic (Incl. Ref. #13)	1
18	86-5860	Nipple	1
19	353-947	Cap - Fitting	1
20	86-5500	Assembly - Hose	1
21	354-87	Fitting - Hydraulic 90°	1

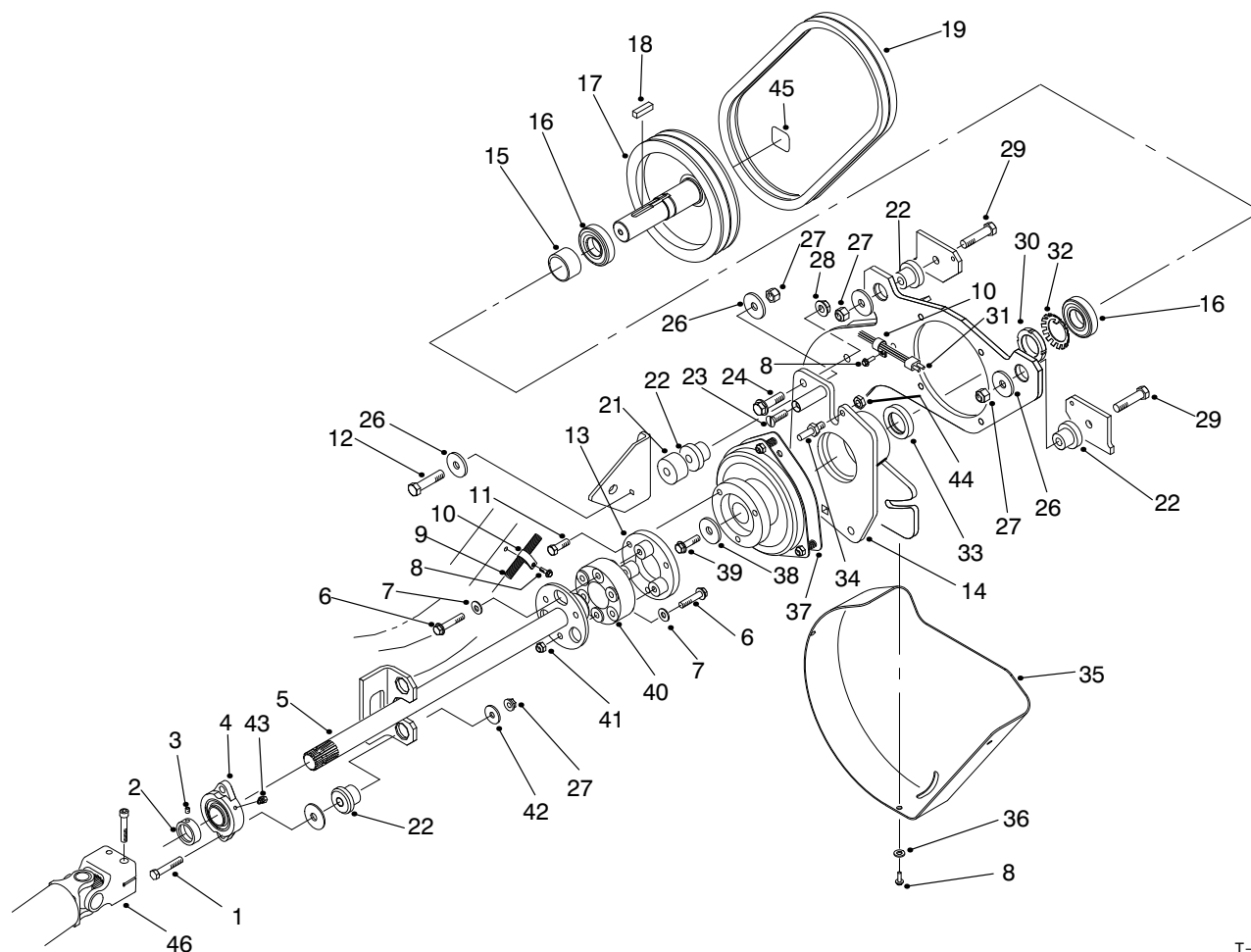
Ref. No.	Part No.	Description	No. Used
22	340-139	Fitting - Hydraulic (Incl. Ref. #5 & 13)	1
23	75-0550	Strainer - Tank	1
24	323-5	Screw - Cap Hex. Hd.	3
25	63-8410	Washer - Flat	3
26	86-2800	Hose - Suction	1
27	2412-34	Clamp - Hose	1
28	237-22	O-Ring	1
29	340-141	Fitting - Hydraulic (Incl. Ref. #28 & 30)	1
30	237-80	O-Ring	5
31	340-6	Fitting - Adapter (Incl. Ref. #30 & 32)	1
32	237-30	O-Ring	5
33	340-4	Fitting - Hydraulic (Incl. Ref. #32 & 34)	1
34	237-79	O-Ring	2
37	94-8298	Hydraulic Tube Assembly	1
38	86-3150	Assembly - Hose	1
39	340-17	Fitting - Hydraulic 90° (Incl. Ref. #13 & 30)	1
41	74-6230	Assy. - Tube, Traction	1
42	340-10	Fitting - Tee (Incl. Ref. #32 & 34)	1
43	76-9950	Bracket - Ring	4
44	32144-4	Screw - Thread Forming	4



T-2704-1

HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
45	354-103	Male Hose Barb	1	49	86-5810	Assembly - Tube	1
46	74-4080	Orifice - Breather	1	50	86-5750	Tube Assembly	1
47	2412-36	Clamp - Hose	1	51	94-8299	Tube Assembly - Steering	1
48	249-49	Ring	4	52	86-5770	Tube Assembly - Relief	1

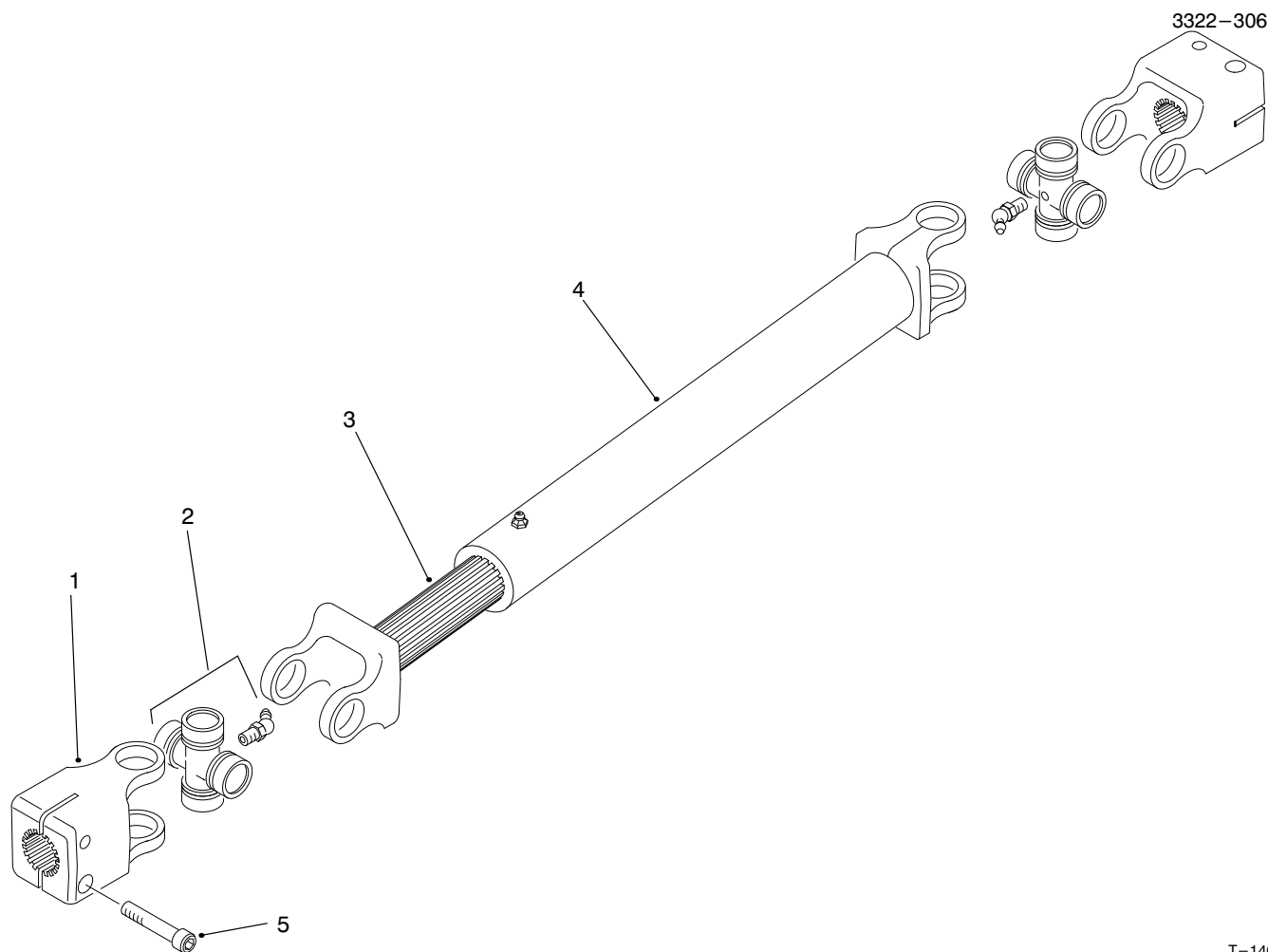


T-2706-1

PTO SHAFT & CLUTCH ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3274-71	Screw - Soc. Hex. Hd.	2
2		Collar - Bearing	1
3		Screw - Set	1
4	86-5620	Bearing (Incl. Ref. 2 & 3)	1
5	84-1320	Shaft - P.T.O.	1
6	66-9303	Screw - Flange Head	6
7	3256-24	Washer - Flat	6
8	32144-11	Screw - Hex. Washer Hd.	5
9	95-4375	Harness - Wire	1
10	2412-109	Clamp-J	2
11	48-9470	Bolt - Hex. Head	3
12	325-14	Screw	1
13	84-1410	Adapter - Clutch	1
14	92-5818	Housing - Bearing, Lower	1
15	88-1140	Spacer - Bearing, Lower	1
16	251-310	Bearing - Ball	2
17	84-0180	Pulley - Lower	1
18	84-1540	Key	1
19	88-1170	Belt - Matched Set	1
21	84-1570	Spacer	1
22	84-1550	Mount - Rubber	5
23	88-1510	Screw - Special	1

Ref. No.	Part No.	Description	No. Used
24	3234-22	Screw - Flange Head	3
26	84-1560	Washer - Thrust	4
27	3296-25	Nut - Lock	5
28	32128-49	Nut - Flange Head	3
29	325-9	Screw - Cap Hex. Hd.	2
30	88-1450	Nut - Lock, Bearing	1
31	94-5623	Harness - Wire, Main	1
32	88-1460	Washer - Lock	1
33	88-1150	Spacer - Clutch	1
34	92-5817	Pin - Clutch Stop	1
35	88-1280	Cover - Belt, Lower	1
36	3256-70	Washer - Flat	3
37	98-7250	Clutch	1
38	84-1580	Washer - Clutch	1
39	3234-19	Screw - Flange Head	1
40	86-3040	Flange - Rubber	1
41	3296-39	Nut - Lock	3
42	86-1990	Washer	4
43	302-60	Fitting - Grease	1
44	3296-47	Nut - Lock	1
45	93-9356	Decal - Warning	1
46	86-1730	Drive Shaft	1

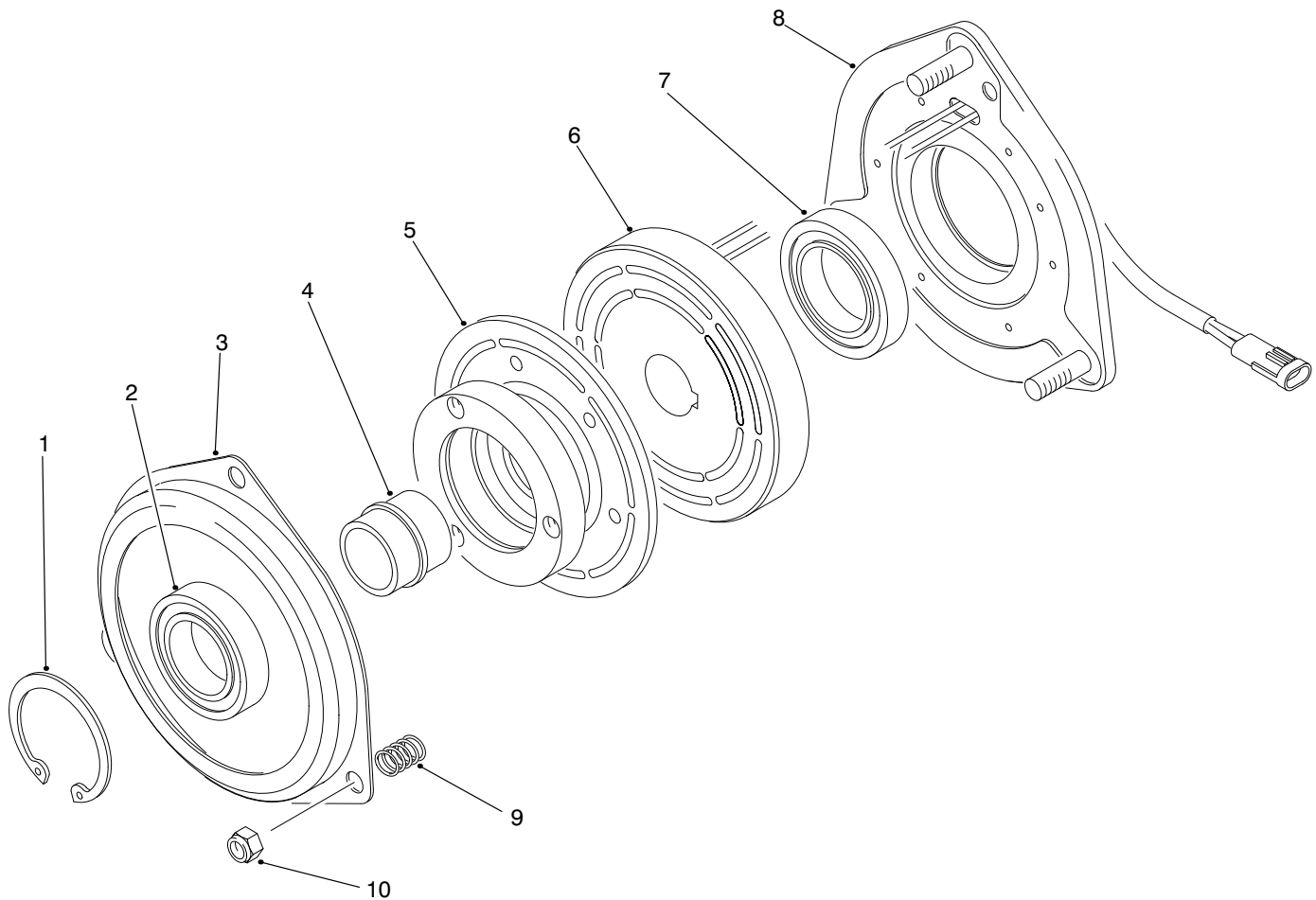


T-1465-1

DRIVE SHAFT ASSEMBLY 86-1730

Ref. No.	Part No.	Description	No. Used
1	86-1150	Yoke - End	2
2	86-1160	Kit - Universal	2
3	86-1170	Shaft - Slip Yoke	1

Ref. No.	Part No.	Description	No. Used
4	86-1180	Tube - Slip Yoke	1
5	3273-17	Screw - Hex. Socket Hd.	4

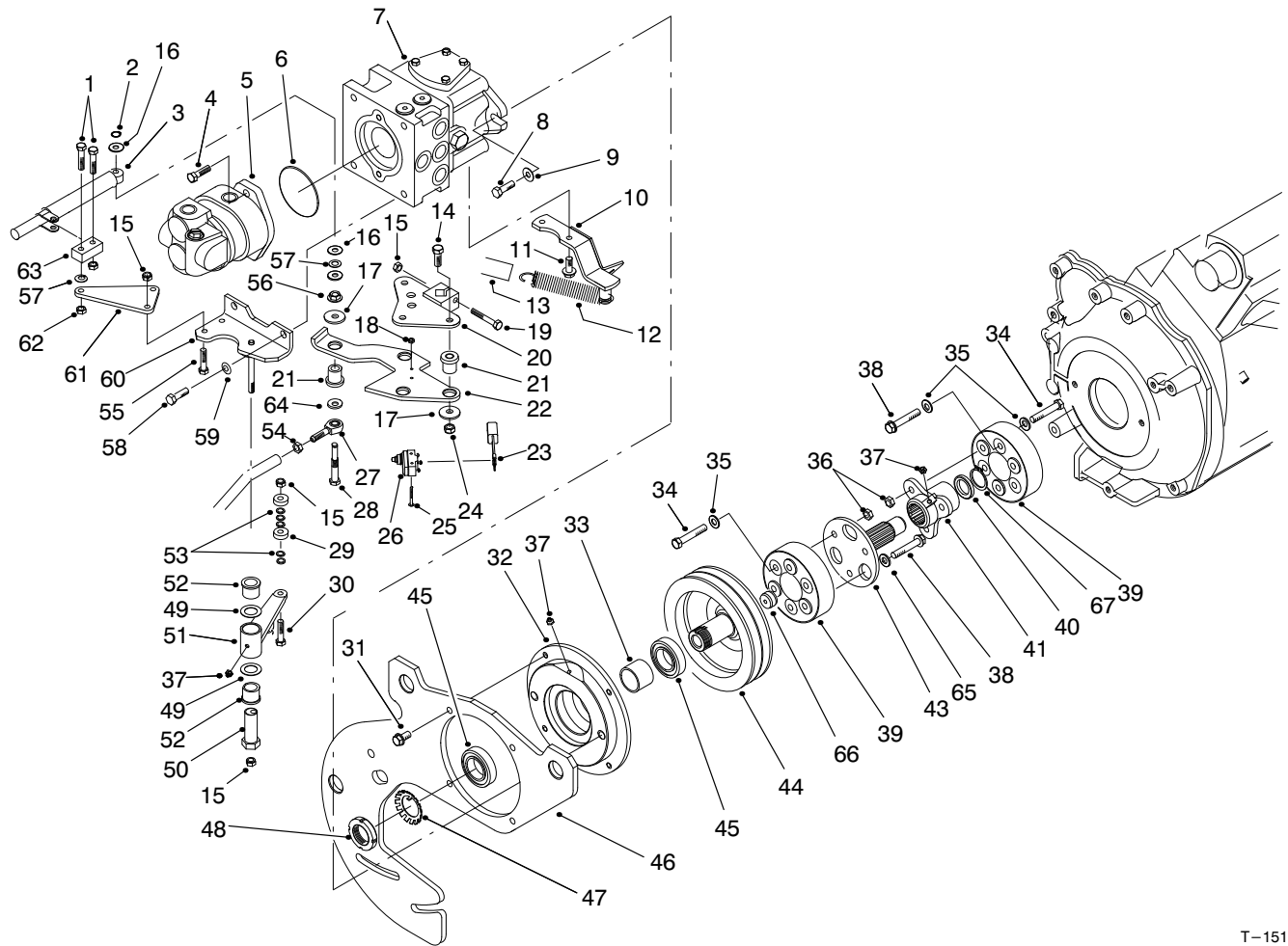


T-1523-1

CLUTCH ASSEMBLY NO. 86-5610

Ref. No.	Part No.	Description	No. Used
1		Ring – Retaining	1
2		Bearing	1
3	88-1370	Plate – Brake	1
4		Collar – Bearing	1
5	98-7253	Assembly – Armature (Incl. Ref. #1, 2 & 4)	1

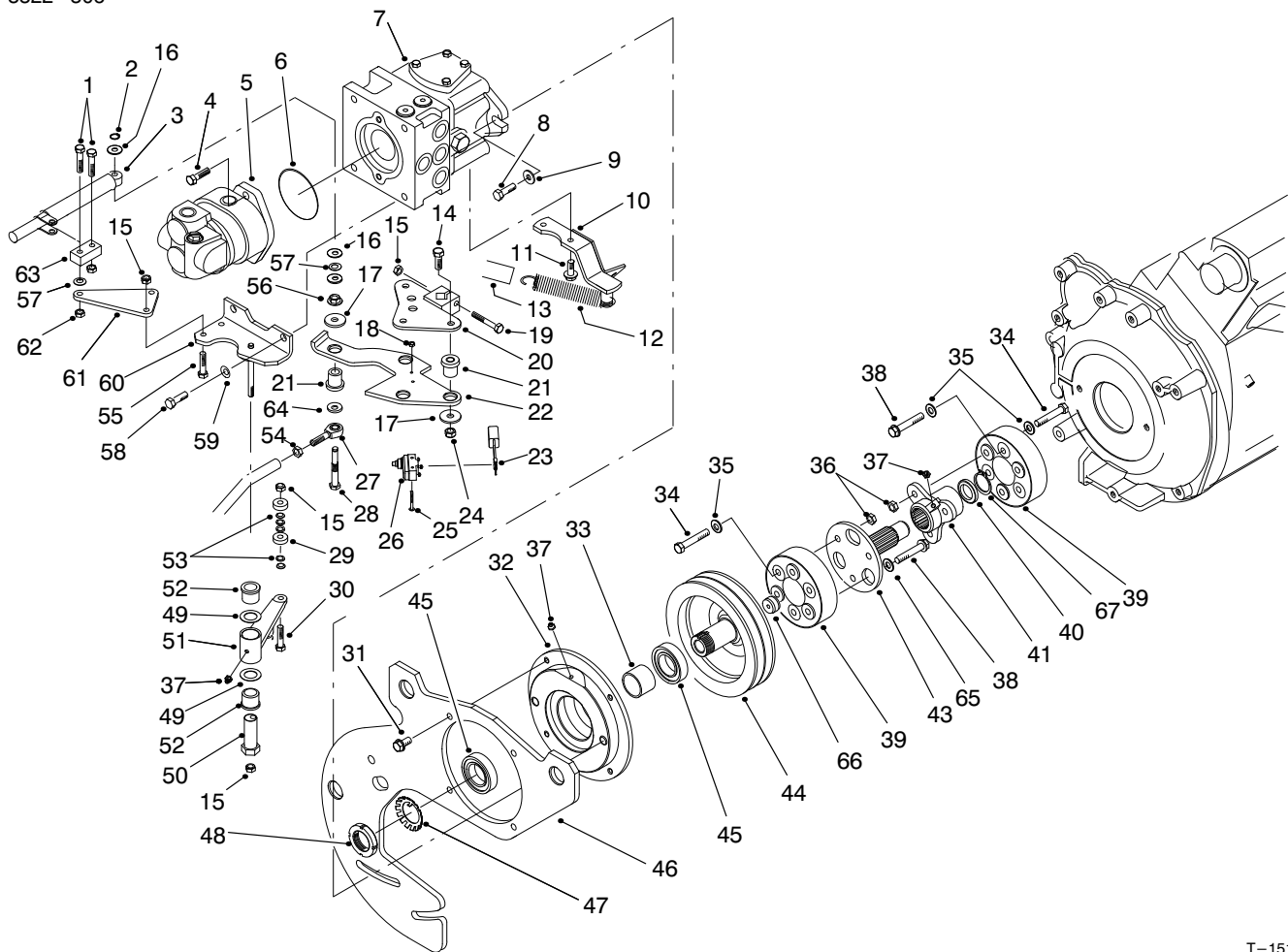
Ref. No.	Part No.	Description	No. Used
6		Assembly – Field Coil	1
7		Bearing – Field	1
8	88-1610	Assembly – Field Rotor (Incl. Ref. #6 & 7)	1
9	44-8320	Spring	3
10	3296-6	Nut – Lock	3



T-1511-3

HYDRAULIC PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-6	Screw - Cap Hex. Hd.	2	27	2411-36	Rod End	1
2	32151-73	Ring - Clip	1	28	82-5280	Shaft - Pivot	1
3	76-8870	Assy. - Damper, Lever	1	29	251-259	Bearing - Ball	2
4	323-7	Screw - Cap Hex. Hd.	2	30	322-7	Screw - Cap Hex. Hd.	1
5	94-8297	Assy. - Pump, Gear	1	31	3234-1	Screw - Hex. Flange Hd.	4
6	237-161	O-Ring	1	32	84-0750	Housing - Bearing	1
7	86-5590	Assembly - Pump	1	33	86-5940	Spacer - Bearing	1
8	3213-2	Screw - Hex. Hd. Flange	2	34	323-47	Screw - Cap Hex. Hd.	6
9	3256-26	Washer - Flat	2	35	3256-24	Washer - Flat	9
10	84-1380	Anchor - Spring	1	36	3296-39	Nut - Lock	6
11	32144-26	Screw - Hex. Washer Hd.	2	37	302-5	Fitting - Grease	3
12	76-9430	Spring - Extension	1	38	66-9303	Screw - Hex. Flange Hd.	6
13	84-1480	Hose - Dampener	1	39	86-3040	Coupling - Rubber	2
14	323-29	Screw - Cap Hex. Hd.	3	40	253-43	Seal - Grease	1
15	3296-29	Nut - Lock	5	41	84-1330	Hub - Splined	1
16	3256-71	Washer - Flat	3	43	84-1030	Driveshaft	1
17	63-8410	Washer	4	44	84-0170	Pulley - P.T.O.	1
18	3296-9	Nut - Lock	2	45	251-314	Bearing	2
19	322-10	Screw - Cap Hex. Hd.	1	46	86-2830	Plate - Adapter, Main	1
20	82-5180	Control - Pump	1	47	88-1440	Washer - Lock	1
21	63-9751	Mount - Rubber	4	48	88-1430	Nut - Lock, Bearing	1
22	88-1470	Plate - Control, Pump	1	49	3-6498	Washer	2
23	86-3020	Wire - Neutral, Switch	1	50	76-8640	Stud - Traction	1
24	3296-59	Nut - Lock	3	51	92-2581	Neutral Switch Arm Assy. (Incl. Ref. #37 & 52)	1
25	3249-11	Screw - Machine Rd. Hd.	2	52	256-113	Bushing	2
26	29-6163	Switch - Micro	1				

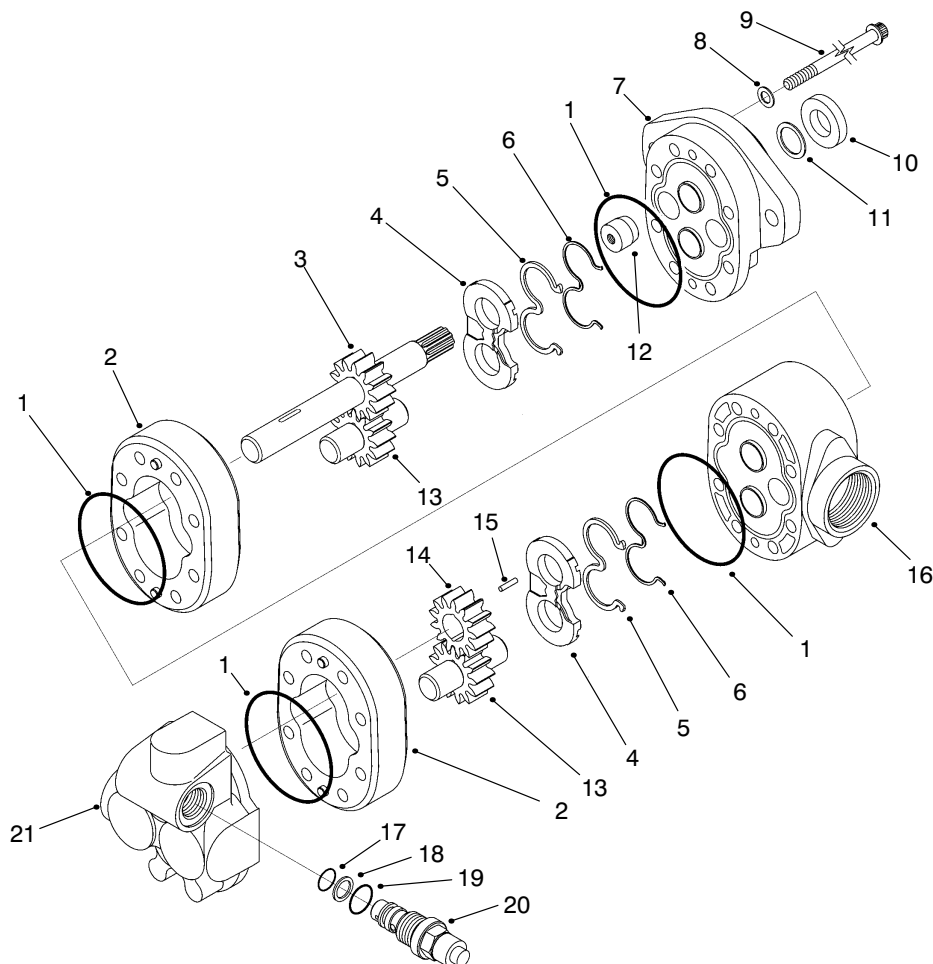


T-1511-3

HYDRAULIC PUMP INSTALLATION ASSEMBLY (Cont.)

Ref. No.	Part No.	Description	No. Used
53	75-5470	Washer	5
54	3220-3	Nut - Jam	1
55	322-5	Screw - Cap Hex. Hd.	2
56	3290-357	Nut - Flange Head	1
57	3290-477	Washer - Curved	2
58	324-4	Screw - Cap Hex. Hd.	2
59	3253-6	Washer - Lock	2
60	95-4352	Bracket - Neutral	1

Ref. No.	Part No.	Description	No. Used
61	95-4351	Plate - Pivot	1
62	3296-47	Nut - Lock	2
63	76-9760	Pivot - Damper	1
64	3256-3	Washer	1
65	80-7730	Spacer	3
66	92-1351	Plug - Pulley	1
67	32120-74	Ring - Retaining	1



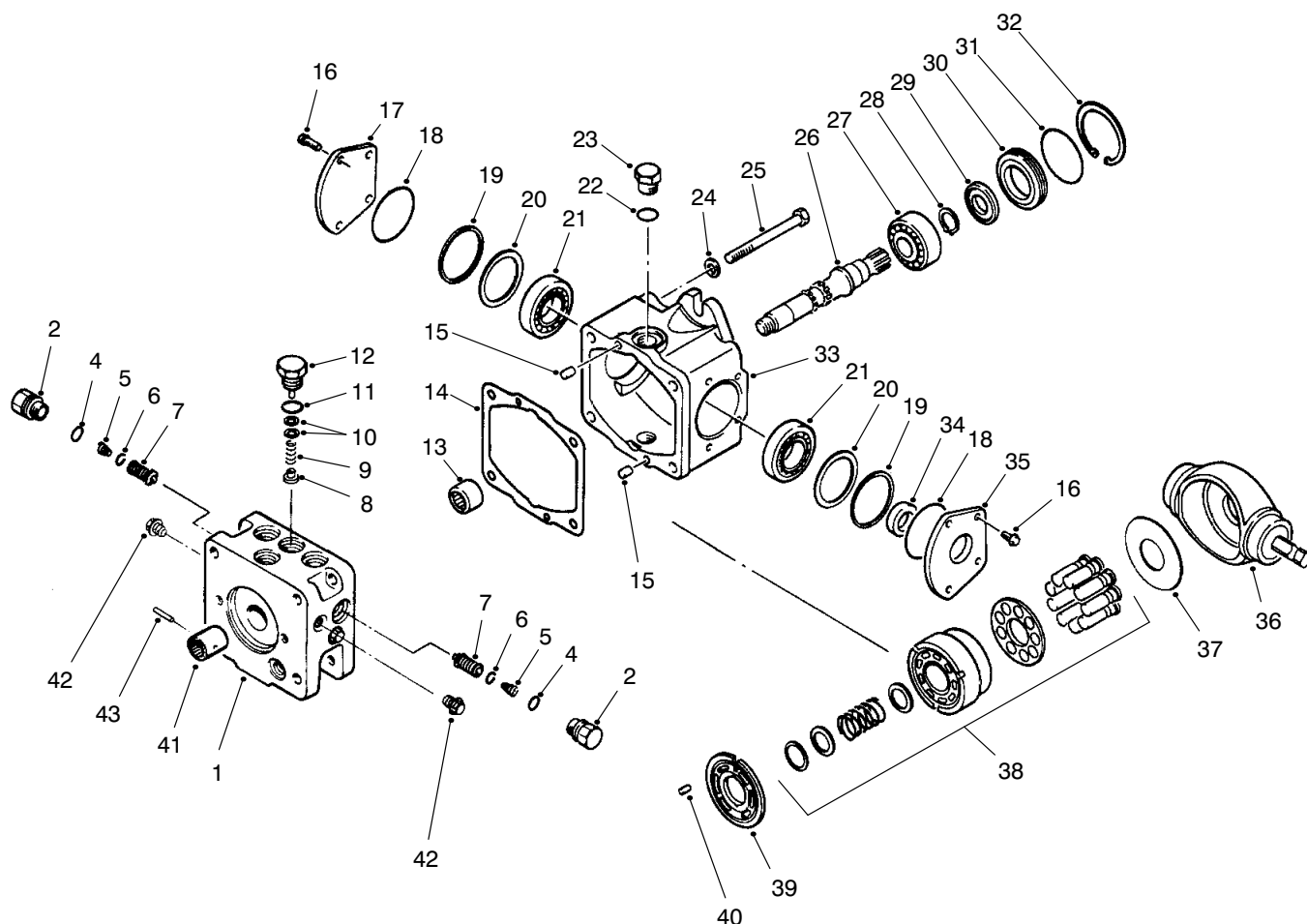
T-2619-1

GEAR PUMP ASSEMBLY NO. 94-8297

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
†1	56-6710	O-Ring	4	13	95-4366	Asm. - Gear, Idler	2
2	95-4364	Asm. - Body	2	14	95-4373	Gear	1
3	95-4365	Asm. - Gear, Drive	1	15	95-4372	Key	1
4	95-4368	Plate - Wear	2	16	95-4371	Plate - Adapter	1
5	95-4367	Gasket - Backup	2	17		O-Ring	1
6	95-4369	Seal	2	18		Washer	1
7	95-4362	Asm. - Frontplate	1	19		O-Ring	1
8	94-8160	Washer	1	20		Valve	1
9	95-4370	Screw - Cap	8	21	95-4363	Asm. - Backplate	1
10	49-2640	Seal - Shaft	1	*	95-4374	Asm. - Valve, Relief (Incl. Ref. #17-20)	1
11	60-5890	Washer	1				
12	94-3011	Plug	1				

*Not Illustrated

†Not Serviced Separately

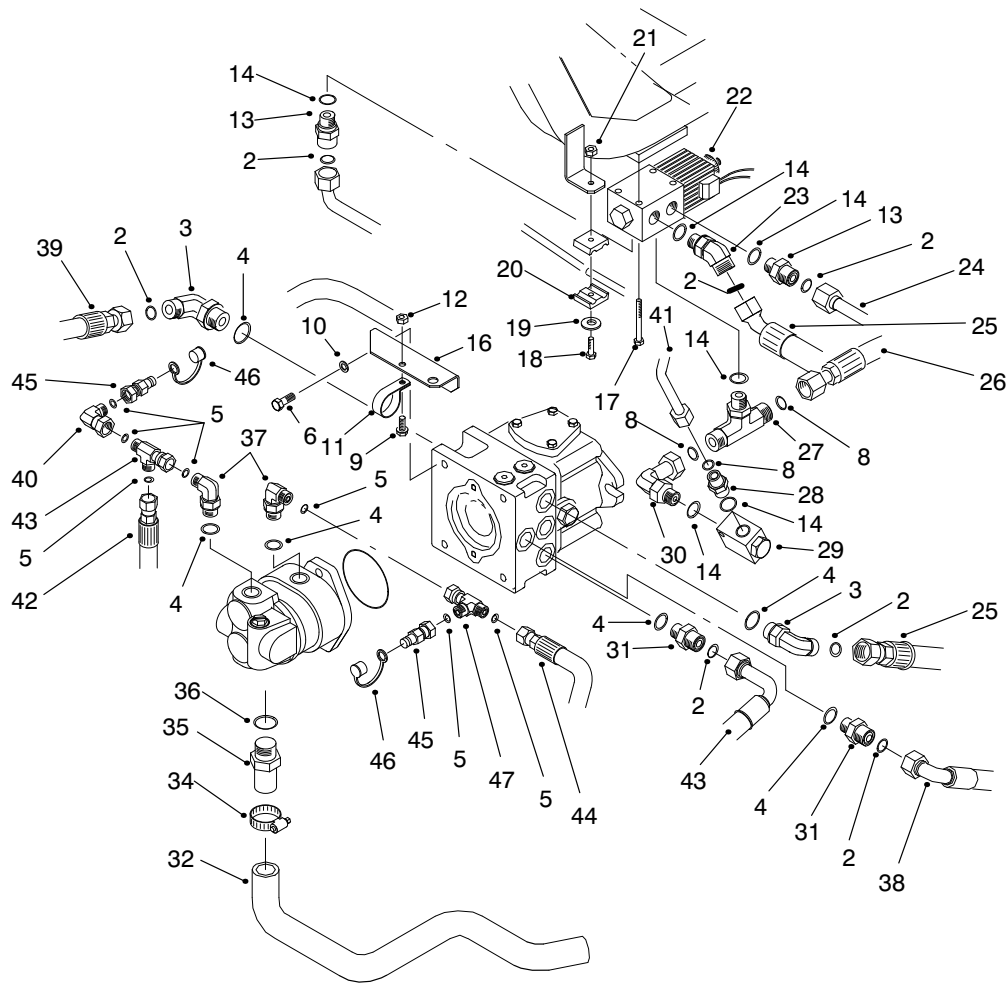


T-1497-1

TRACTION PUMP ASSEMBLY NO. 86-5590

Ref. No.	Part No.	Description	No. Used
1	92-1354	Cap - End	1
2	92-1355	Plug - Special	2
4	75-0240	O-Ring	2
5	75-0140	Spring - Conical	2
6	84-0550	Ring - Retaining	2
7	92-1356	Valve - Screw 415 BAR	2
8	84-0480	Poppet - Charge Relief	1
9	84-0490	Spring - Compression	1
10	92-1353	Shim	1
11	28-3570	O-Ring	1
12	84-0500	Assy. - Charge Relief Plug	1
13	75-0500	Bearing - Needle	1
14	84-0210	Gasket - End Cap	1
15	75-0480	Pin	2
16	84-0460	Screw	8
17	84-0440	Cover - Trunnion	2
18	84-0430	O-Ring	4
19	84-0270	Spacer - Trunnion	4
20	84-0570	Shim - Trunnion Kit	4
21	84-0260	Bearing - Roller	4
22	353-551	Plug Assembly (Incl. Ref. #23)	3

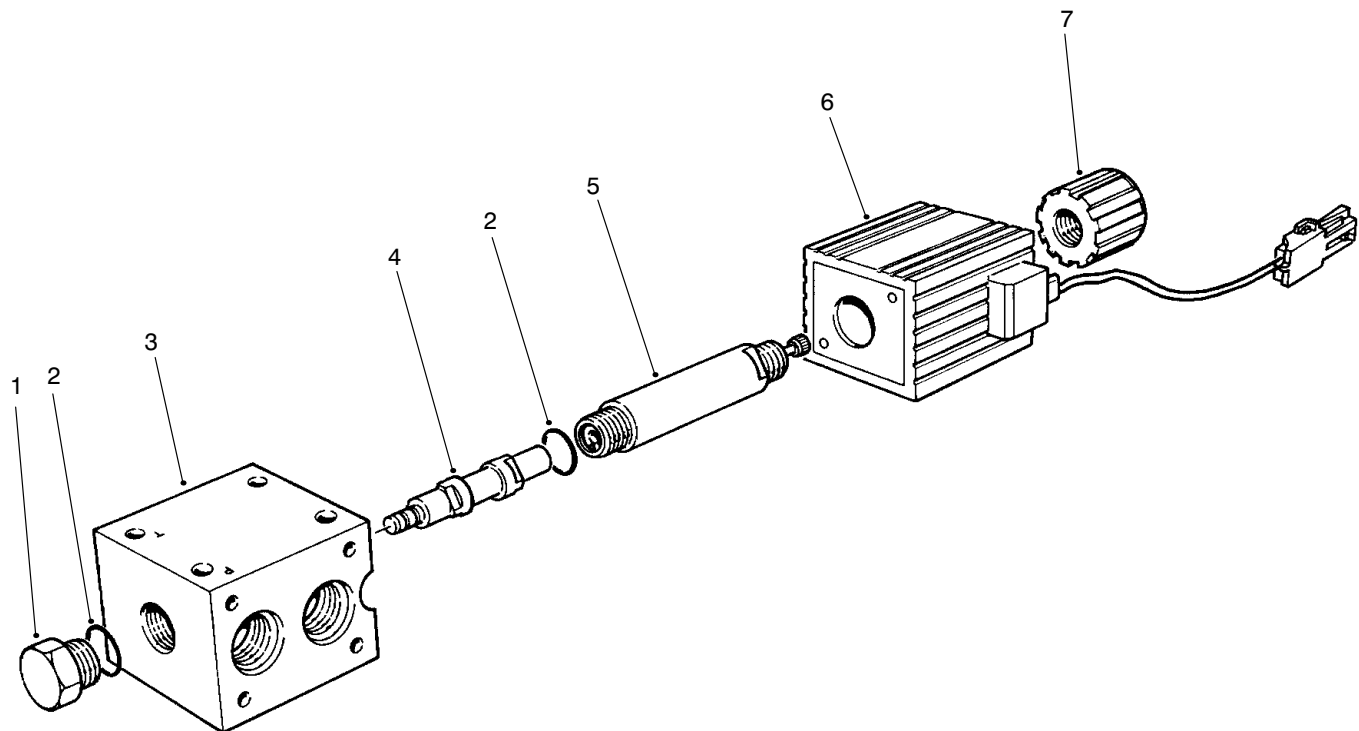
Ref. No.	Part No.	Description	No. Used
23	237-80	O-Ring	3
24	84-0360	Washer	8
25	84-0330	Screw - Cap Hex. Hd.	8
26	84-0300	Shaft - Pump	1
27	84-0310	Bearing - Ball	1
28	84-0320	Ring - Retaining	1
29	84-0400	Seal - Lip	1
30	84-0410	Carrier - Seal	1
31	28-3520	O-Ring	1
32	84-0380	Ring - Retaining Internal	2
33	84-0240	Housing - Pump	1
34	84-0470	Seal - Lip	2
35	84-0450	Cover - Trunnion	1
36	84-0250	Swash Plate - Variable	1
37	75-0400	Plate - Thrust	1
38	75-0470	Kit - Cylinder Block	1
39	84-0280	Plate - Valve R.H.	1
40	75-0510	Pin	1
41	92-1358	Coupling	1
42	92-1352	Plug	3
43	92-1357	Pin	1



T-2720-1

HYDRAULIC PUMP FITTINGS ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
2	237-65	O-Ring	7	28	340-4	Fitting - Hydraulic (Incl. Ref. #8 & 14)	1
3	340-17	Fitting - Hydraulic 90° (Incl. Ref. #2 & 4)	1	29	84-0720	Valve - Velocity	1
4	237-80	O-Ring	5	30	340-165	Fitting - Hydraulic (Incl. Ref. #14)	1
5	237-22	O-Ring	7	31	340-7	Fitting - Hydraulic (Incl. Ref. #2 & 4)	2
6	324-4	Screw - Cap Hex. Hd.	2	32	86-2800	Hose - Suction	1
8	237-30	O-Ring	3	34	2412-34	Clamp - Hose	1
9	322-2	Screw - Cap Hex. Hd.	1	35	95-4356	Fitting - Hydraulic (Incl. Ref. #36)	1
10	3253-6	Washer - Lock	2	36	237-146	O-Ring	1
11	2412-104	Clamp - R	1	37	340-18	Fitting - Hydraulic 90° (Incl. Ref. #4 & 5)	2
12	32128-20	Nut - Lock, Flange Head	1	38	86-5500	Assembly - Hose	1
13	340-155	Fitting - Hydraulic 90° (Incl. Ref. #2 & 14)	2	39	86-3150	Assembly - Hose	1
14	237-79	O-Ring	6	40	340-159	Fitting - Hydraulic 90° (Incl. Ref. #5)	1
16	88-1290	Bracket - Rod, Seat	1	41	86-5810	Assembly - Tube	1
17	321-15	Screw - Cap Hex. Hd.	2	42	86-5570	Hose Assembly	1
18	322-6	Screw - Cap Hex. Hd.	1	43	92-5830	Assembly - Hose	1
19	3256-71	Washer - Flat	1	44	95-4354	Hose Assembly	1
20	56-7973	Clamp	2	45	86-5480	Fitting - Diagnostic	2
21	3296-47	Nut - Lock	1	46	354-79	Cap - Fitting	2
22	76-9970	Valve - 4 WD	1	47	340-115	Fitting - Hydraulic, Tee (Incl. Ref. #5)	2
23	340-55	Fitting - Hydraulic 45° (Incl. Ref. #2 & 14)	1				
24	86-2770	Assembly - Tube, Traction	1				
25	92-5828	Assembly - Hose	1				
26	86-2710	Assembly - Hose, Rear	1				
27	340-157	Fitting - Tee (Incl. Ref. #8 & 14)	1				

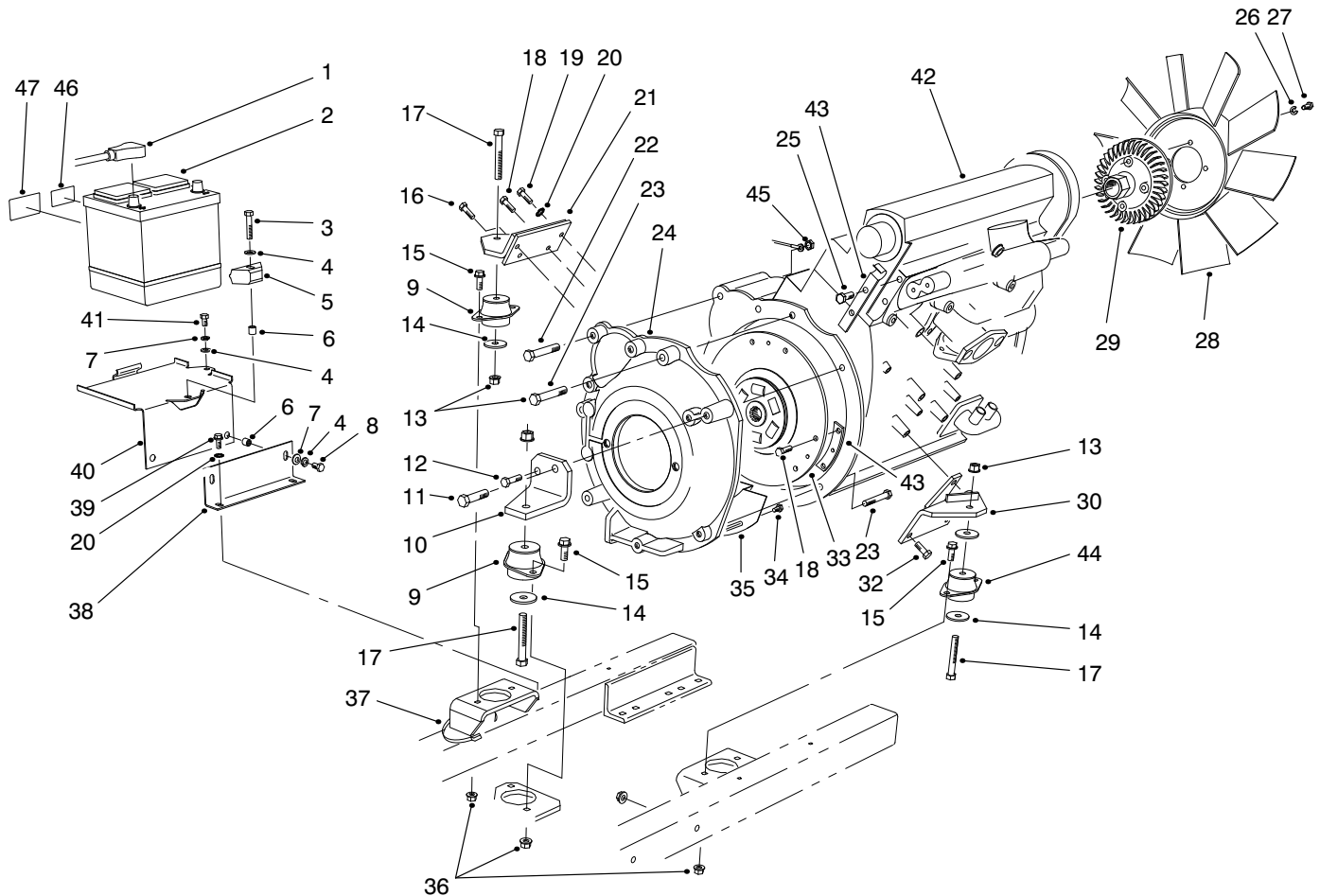


T-1126

SOLENOID VALVE ASSEMBLY NO. 76-9970

Ref. No.	Part No.	Description	No. Used
1	237-80	Adapter Assembly (Incl. Ref. #2)	1
2		O-Ring	2
3		Valve - Directional	1
4		Spool	1

Ref. No.	Part No.	Description	No. Used
5	218-591	Tube Assembly (Incl. Ref. #2)	1
6		Coil Assembly	1
7		Nut - Coil	1



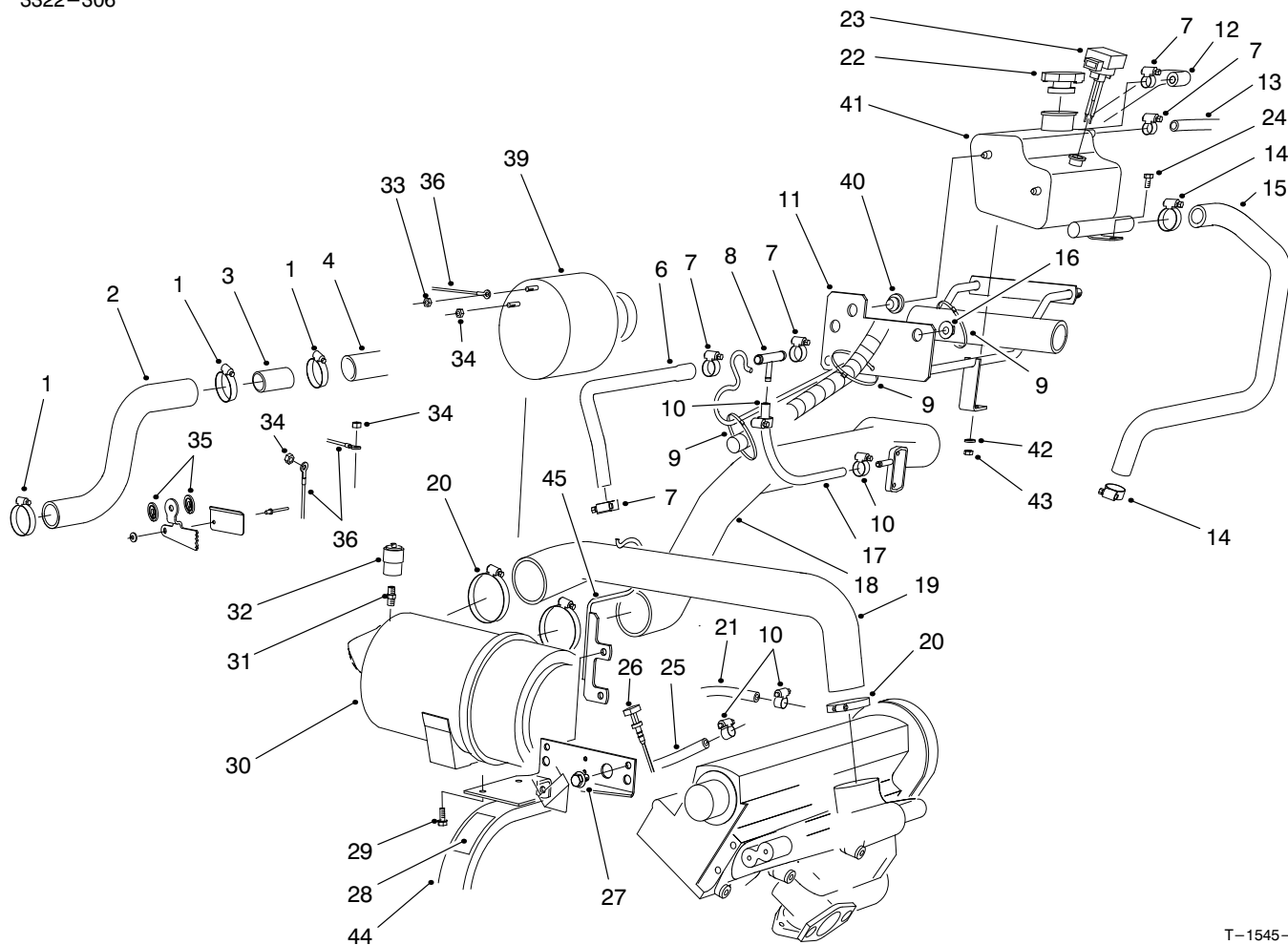
T-1513-3

ENGINE & BATTERY INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	74-9080	Cable - Battery Pos.	1	25	93-5398	Screw - Cap Hex. Hd.	2
*	74-9090	Cable - Battery Neg.	1	26	3253-4	Washer - Lock	4
†2		Battery	1	27	322-3	Screw - Cap Hex. Hd.	4
3	323-9	Screw - Cap Hex. Hd.	1	28	74-3650	Fan	1
4	3256-24	Washer - Flat	4	29	74-5520	Clutch - Fan	1
5	66-2490	Clamp - Battery	1	30	76-4220	Mount - Engine	1
6	32148-10	Insert - Threaded	3	31	53-9682	Mount - Rubber, Eng	1
7	3253-21	Washer - Lock	3	32	48-7780	Screw - Cap Hex. Hd.	3
8	323-33	Screw - Cap Hex. Hd.	2	33	84-1440	Plate - Adapter	1
9	53-9681	Mount - Rubber, Engine	2	34	48-7610	Screw - Cap Hex. Hd.	3
10	74-5470	Mount - Engine	1	35	77-3600	Shield - Adapter	1
11	48-7840	Screw - Cap Hex. Hd.	1			(Furnished with engine)	
12	48-9470	Screw - Cap Hex. Hd.	1	36	3290-357	Nut - Lock	6
13	32128-37	Nut - Lock, Flange Hd.	3	37	3290-378	Tie - Cable	1
14	87-5100	Washer - Flat	4	38	76-4310	Support - Base, Battery	1
15	3234-11	Screw	6	39	32144-11	Screw - Hex. Washer Hd.	2
16	57-6380	Screw - Cap Hex. Hd.	1	40	14-0949	Battery Base Assembly	1
17	324-12	Screw - Cap Hex. Hd.	3			(Incl. Ref. #6)	
18	42-9230	Screw - Cap Hex. Hd.	8	41	323-4	Screw - Cap Hex. Hd.	1
19	33114-030	Screw - Cap Hex. Hd.	1	42	93-4233	Engine Assembly	1
20	3255-8	Washer - Lock, Ext. Tooth	2	43	94-5615	Bracket - Return Hose	1
21	76-4120	Mount - Engine	1	44	53-9682	Mount - Rubber, Engine	1
22	48-7810	Screw - Cap Hex. Hd.	3	45	48-7930	Nut - Hex.	1
23	48-7570	Screw - Cap Hex. Hd.	3	46	93-7276	Decal - Danger	1
24	84-0760	Adapter - Pump to Engine	1	47	93-6668	Decal - Recycle	1

*Not Illustrated

†Obtain Locally



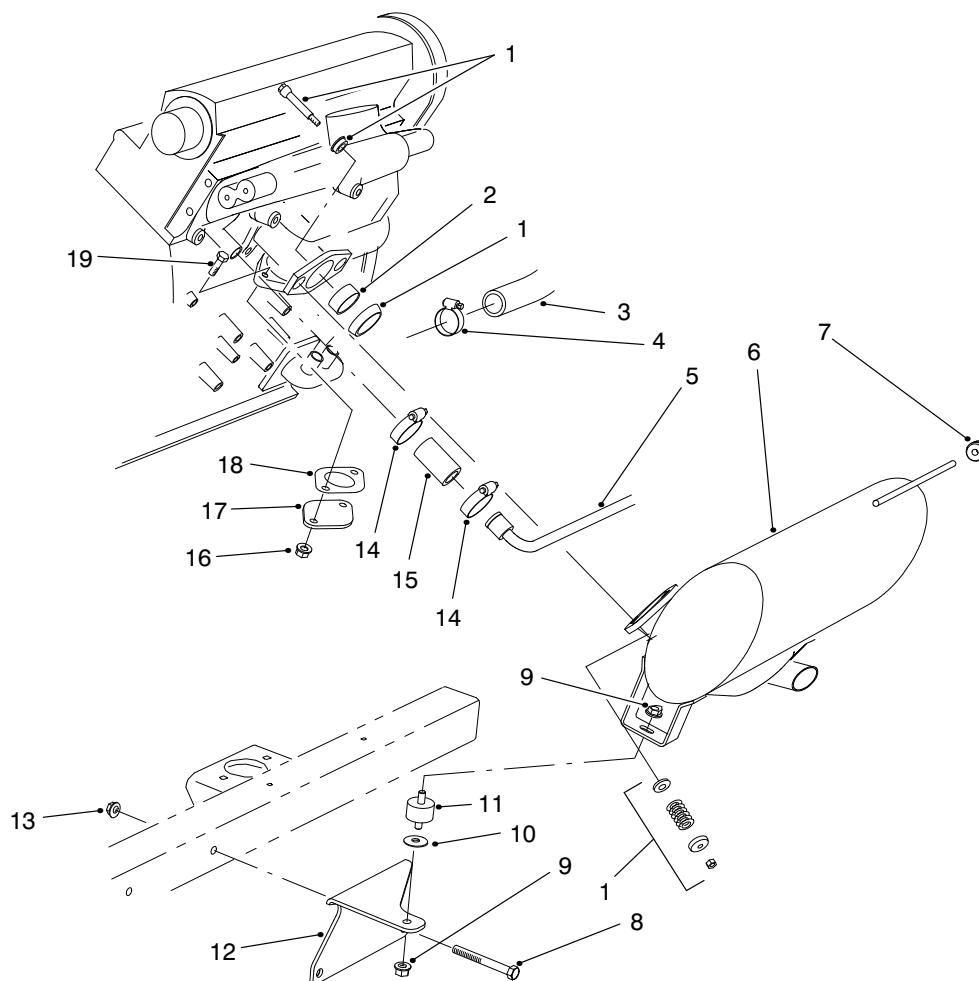
T-1545-3

ENGINE PLUMBING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412-3	Clamp - Hose	3
2	94-1418	Hose - Radiator, Upper	1
3	93-7594	Spacer - Tubular	1
4	93-7221	Hose - Radiator, Upper	1
6	94-2630	Hose - Return	1
7	2412-36	Clamp - Hose	5
8	93-4207	Fitting - Hose Tee	1
9	3290-378	Tie - Cable	2
10	2412-108	Clamp - Hose	4
11	93-7229	Degassing Support Asm.	1
12	93-7788	Hose - Return	1
13	94-5625	Hose - Radiator, Overflow	1
14	2412-129	Clamp - Hose	2
15	94-5604	Hose - Overflow	1
16	3290-357	Nut - Flange	3
17	63-7622	Hose - Fuel Line	1
18	93-7224	Hose - Intake	1
19	93-7223	Hose - Air Cleaner	1
20	2412-125	Clamp - Hose	3
21	63-7627	Hose - Fuel	1
†22	94-2800	Cap - Radiator	1

Ref. No.	Part No.	Description	No. Used
†23	94-9984	Sensor - Water Level	1
24	33105-020	Screw - Hex. Hd. Flange	1
25	63-7622	Hose - Fuel	1
†26	93-9175	Dipstick	1
27	3234-11	Screw - Flange	3
28	93-7275	Decal - Starting Fluid	1
29	33104-016	Screw - Hex. Hd. Flange	2
30	93-7485	Filter Assembly	1
31	94-1416	Adapter Assembly	1
32	93-9164	Service Indicator	1
33	48-7930	Nut - Hex.	1
34	48-7880	Nut - Hex.	3
35	86-2990	Mount - Throttle Cable	2
36	94-5623	Wire Harness - Main	1
39	94-3252	Alternator	1
†40	94-2801	Grommet - Rubber	2
†41	94-9983	Box - Degassing	1
42	33093-00	Washer - Flat	1
43	33023-00	Nut - Lock, Nylon Insert	1
44	93-7236	Bracket - Support	1
45	94-8003	Support - Air Cleaner Hose	1

†Furnished with engine.

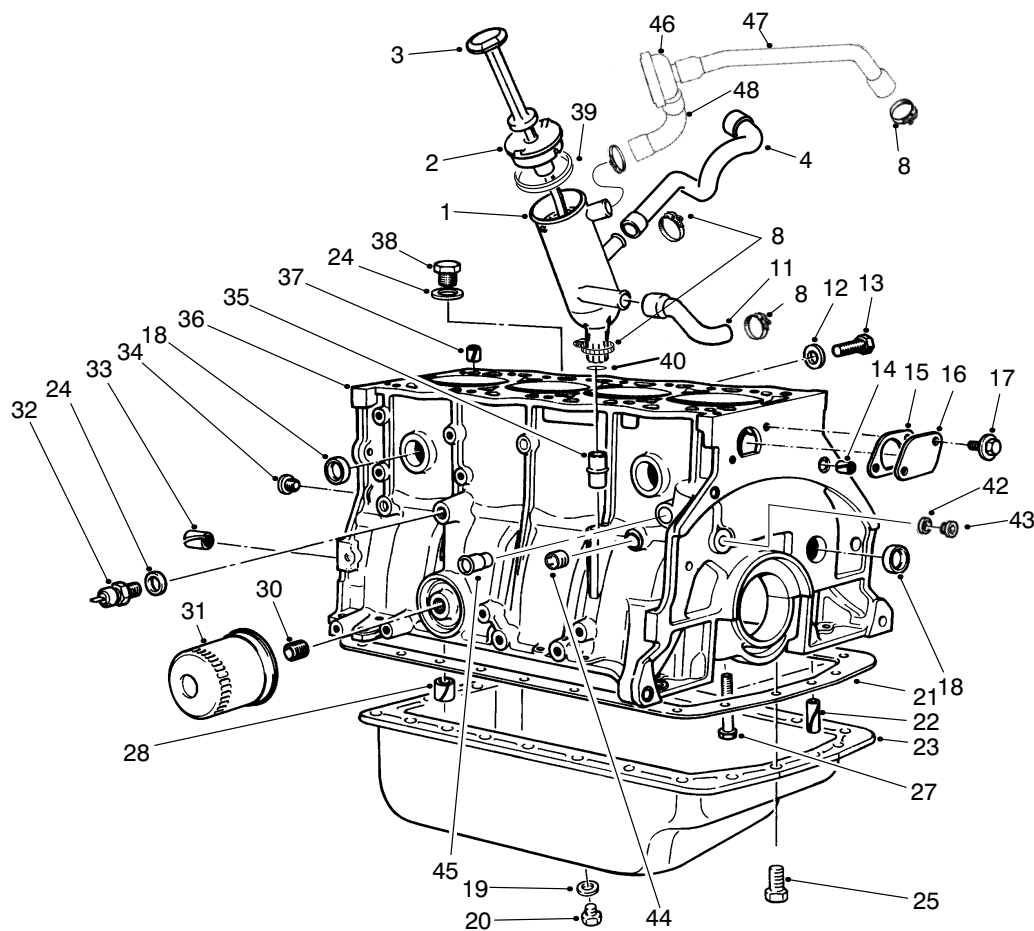


T-1544-1

MUFFLER & AIR CLEANER INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
†1	94-2814	Kit – Exhaust Coupler	1
†2	94-2815	Sleeve – Exhaust Flange	1
3	74-6020	Hose – Radiator, Lower	1
4	2412-3	Clamp – Hose	1
5	92-7381	Tube – Water, Return	1
6	94-8012	Muffler Assembly	1
7	94-2812	Grommet	1
8	323-20	Screw – Cap Hex. Hd.	2
9	32128-20	Nut – Lock, Flange	2
10	62-9510	Washer – Brake Lever	1

Ref. No.	Part No.	Description	No. Used
11	94-5608	Mount – Rubber	1
12	93-7245	Bracket – Support	1
13	32128-19	Nut – Lock, Flange	2
14	2412-129	Clamp – Hose	4
15	74-6490	Hose – Water Line	2
16	33004-00	Nut – Hex. Flange	2
17	92-7382	Cover – Manifold	1
18	77-3700	Gasket – Muffler, Exhaust	1
19	33104-020	Screw – Hex. Hd. Flange	2



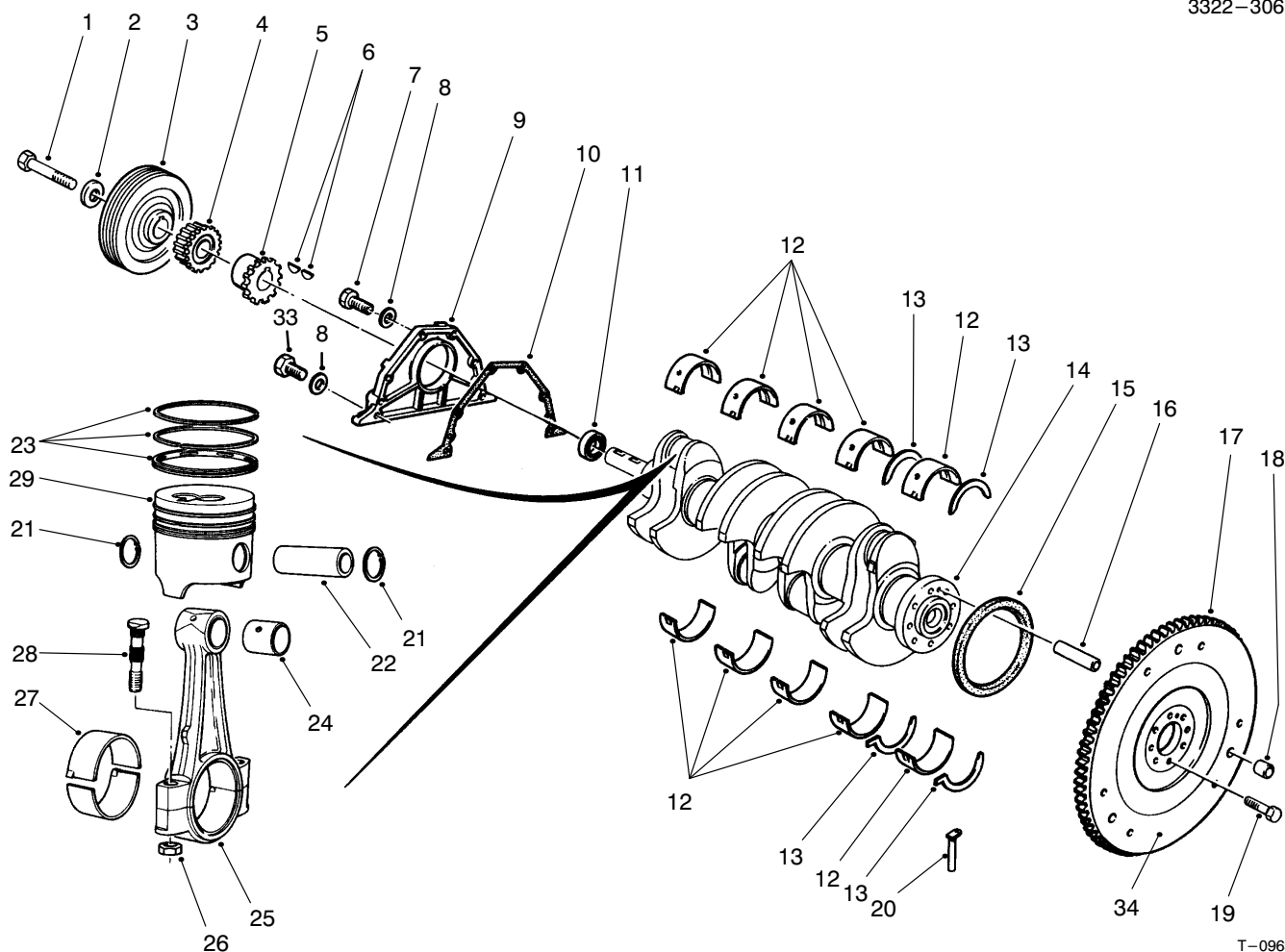
T-2142-1

CRANKCASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94-3181	Oil Filler (Incl. Ref. 39)	1
2	94-3182	Plug	1
3	93-9175	Dipstick - Oil	1
4	94-3184	Union	1
8	2412-129	Clamp - Hose	8
11	74-7770	Hose - Crankcase	1
12	74-7780	Gasket	1
13	74-7790	Screw	1
14	74-7800	Pin	2
15	74-7810	Gasket - Plate	1
16	74-7820	Plate	1
17	94-3112	Screw - Washer Hd.	2
18	74-7840	Plug - 27 mm Dia.	8
*	94-3108	Plug - 27.5 mm Dia.	8
*	94-3109	Plug - 28.5 mm Dia.	9
19	74-7320	Gasket	1
20	74-7310	Plug - Threaded	1
21	74-7380	Gasket - Oil Pan	1
22	94-3111	Pin - Groove	2
23	74-7300	Pan - Oil	1
24	74-7850	Gasket	2
25	74-7330	Screw - Cap Hex. Hd.	23
26	77-3790	Plug - Drain	1

Ref. No.	Part No.	Description	No. Used
27	74-7930	Screw - Bearing Cap	10
28	74-7940	Bushing - Spring	1
29	74-7950	Screw - Plate	6
30	74-7960	Stud - Filter	1
31	74-7970	Filter - Oil	1
32	94-3180	Switch - Pressure	1
33	74-7990	Pin - Spring	4
34	74-8000	Plug	2
35	74-8010	Guide - Dipstick	1
36	94-3100	Short Block Assembly (Incl. Pistons next page)	1
37	74-8030	Pin - Spring	1
38	74-8040	Plug - Drain	1
39	94-3183	Gasket	1
40	94-3186	O-Ring	1
42	94-3106	Gasket	2
43	94-3104	Plug - Threaded	2
44	94-3103	Plug - Threaded	1
45	94-3110	Stud	1
46	74-5760	PCV Valve	1
47	94-3192	Union	1
48	94-3191	Union	1
*	74-7860	Gasket Set (Without Head Gasket)	1

*Not Illustrated



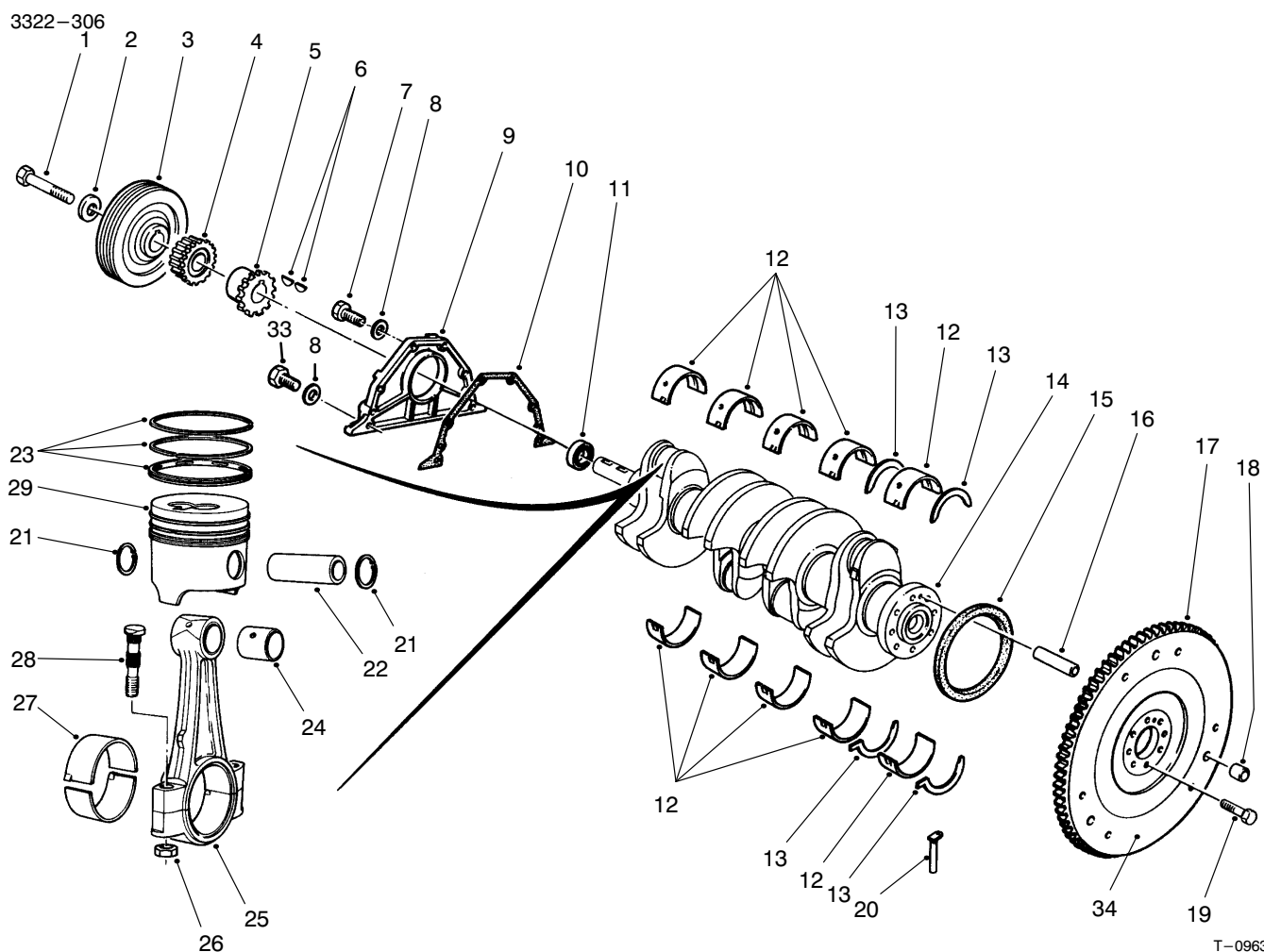
T-0963-1

CRANKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94-3145	Screw - Cap Hex. Hd.	1
2	74-8080	Washer	1
3	94-3144	Pulley	1
4	74-8100	Gear - Pinion	1
5	74-8110	Sprocket - Oil Pump	1
6	74-8120	Key - Woodruff	2
7	94-3150	Screw - Cap Hex. Hd.	4
8	94-3151	Washer	6
9	74-8140	Cover	1
10	74-8150	Gasket - Cover	1
11	94-3148	Seal - Shaft	1
12	74-8170	Bearing Set (Std.) Set of 10 Half Bearings	1
*	74-8180	Bearing Set (.30mm OS) Set of 10 Half Bearings	1
13	94-3141	Thrust Bearing Set (Std.)	2
*	74-8200	Thrust Bearing Set (.10mm OS)	2
*	74-8210	Thrust Bearing Set (.15mm OS)	2
*	74-8220	Thrust Bearing Set (.20mm OS)	2
14	74-8230	Crankshaft	1

Ref. No.	Part No.	Description	No. Used
15	74-8240	Seal	1
16	74-7990	Pin	1
17	94-3149	Gear - Flywheel	1
18	74-8270	Pin	3
19	74-8280	Screw - Cap Hex. Hd.	8
20	74-8290	Seal - #1 Bearing Cap	2
21	74-8300	Clip - Piston Pin	8
22	74-8310	Pin - Piston	4
23	94-3158	Piston Ring Set Std.	4
*	74-8320	Piston Ring Set - 0.20 mm	4
*	74-8330	Piston Ring Set - 0.50 mm	4
*	74-8340	Piston Ring Set - 0.80 mm	4
24	98-9965	Bushing - Sleeve	4
25	74-8360	Rod - Connecting, Set of 4 (Incl. Ref. #24)	1
26		Nut - Hex.	8
27	74-8380	Bearing - Connecting Rod (Std.) Set of 8 Half Bearings	1
*	74-8390	Bearing - Connecting Rod (49.7mm ID) Set of 8 Half Bearings	1
28	74-8400	Bolt - Connecting Rod (Incl. Ref. #26)	8

*Not Illustrated



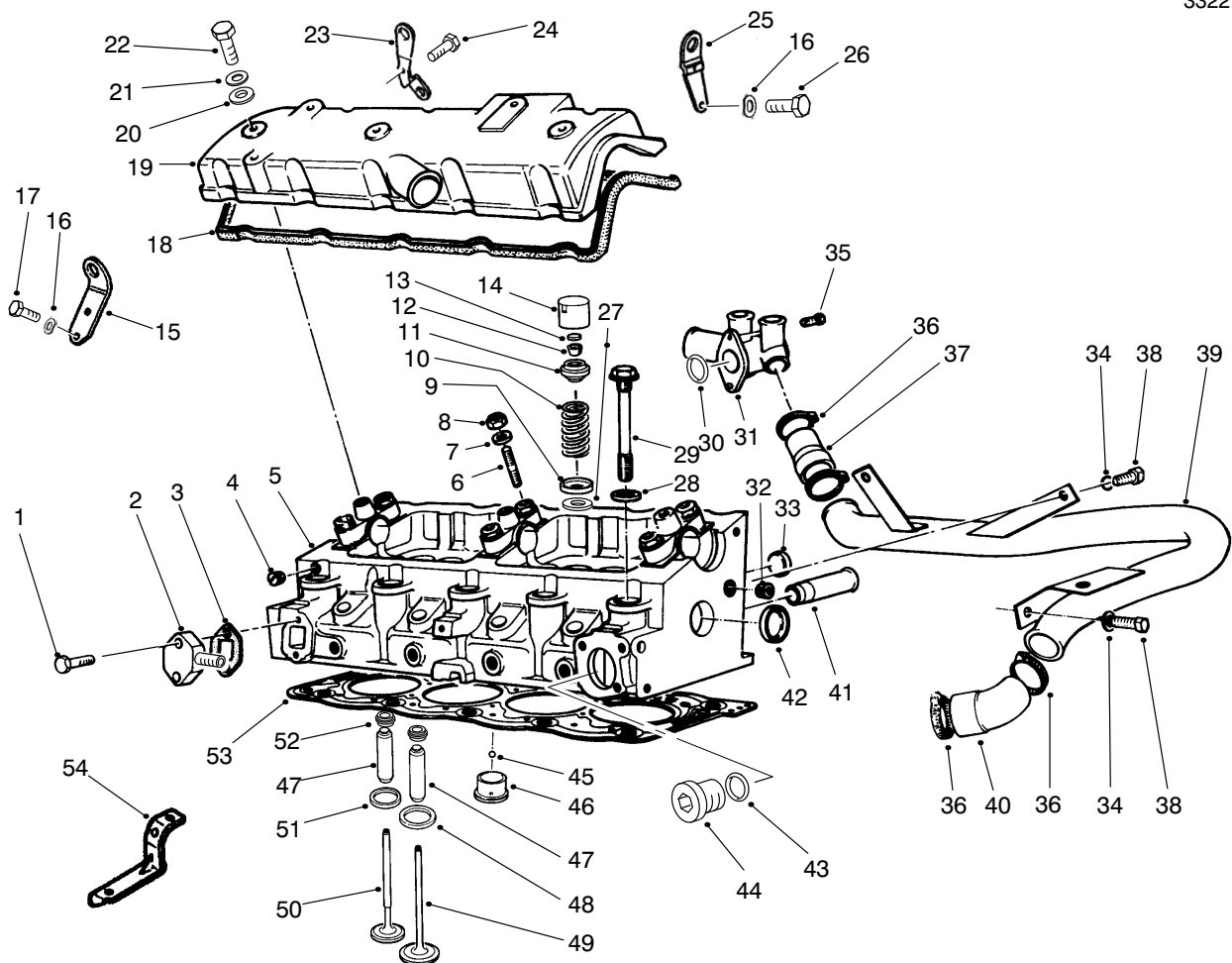
T-0963-1

CRANKSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
29	94-3157	Piston Set - Std. (Incl. Ref. #21-23)	1
29	74-8420	Piston Set - Stage #1 (83.13mm OD) (Incl. Ref. #21-23)	1
*	74-8430	Piston Set - Stage #2 (83.43mm OD) (Incl. Ref. #21-23)	1
*	74-8440	Piston Set - Stage #3 (83.73mm OD) (Incl. Ref. #21-23)	1

Ref. No.	Part No.	Description	No. Used
33	94-3152	Screw - Cap Hex. Hd.	2
34	74-8260	Flywheel	1

*Not Illustrated

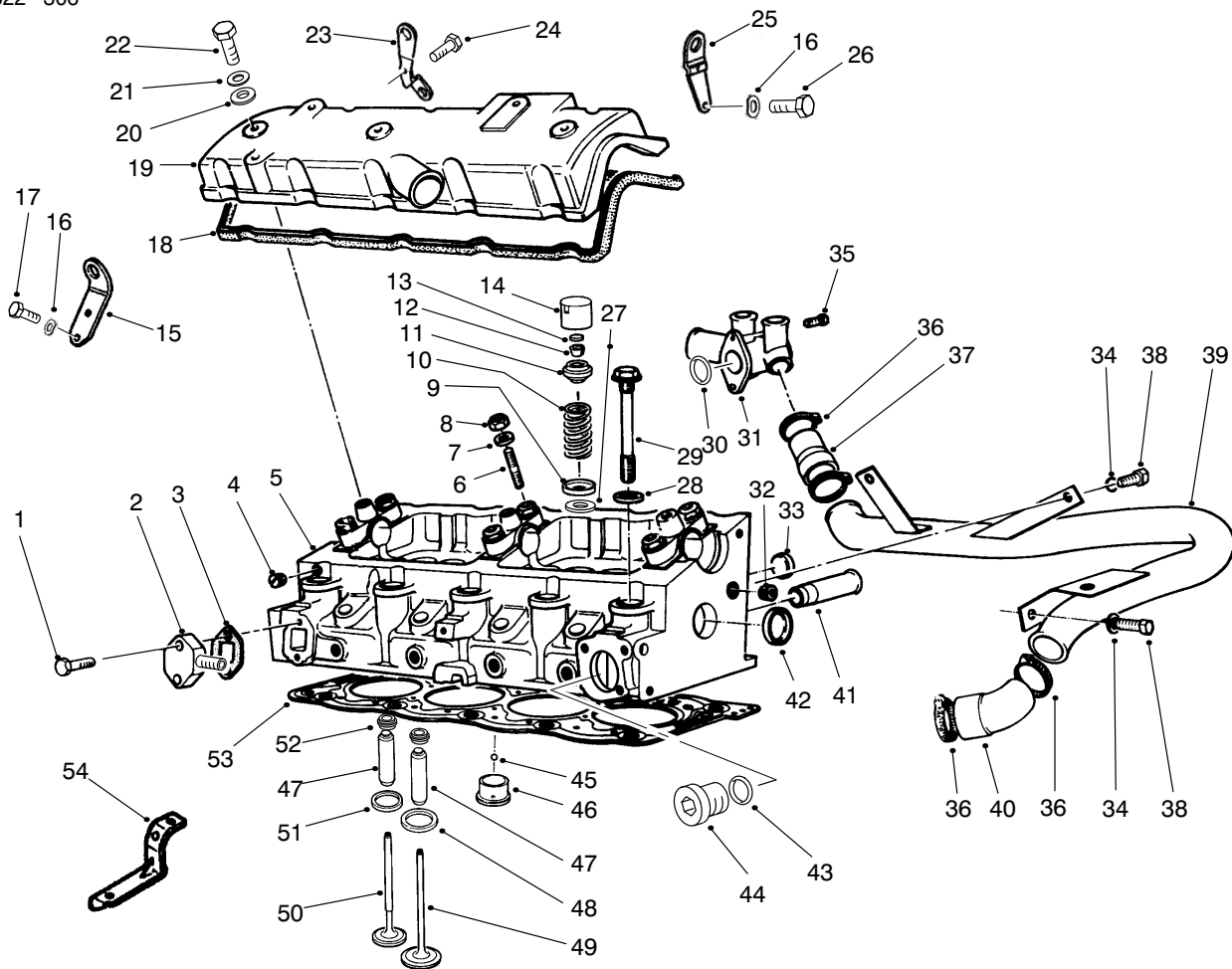


T-2148-2

CYLINDER HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	94-3123	Screw – Cap Hex. Hd.	2	13	74-6720	Insert – Valve (2.400mm)	8
2	94-3117	Plate	1	*	74-6730	Insert – Valve (2.425mm)	8
3	94-3116	Gasket	1	*	74-6740	Insert – Valve (2.450mm)	8
4	74-7600	Plug	4	*	74-6750	Insert – Valve (2.475mm)	8
5	94-3113	Cylinder Head Assembly	1	*	74-6760	Insert – Valve (2.500mm)	8
6	76-5130	Stud	6	*	74-6770	Insert – Valve (2.525mm)	8
7	74-8900	Washer – Flat	6	*	74-6780	Insert – Valve (2.550mm)	8
8	94-3115	Nut – Lock	6	*	74-6790	Insert – Valve (2.575mm)	8
9	74-6570	Cup – Lower Valve Spring	8	*	74-6800	Insert – Valve (2.600mm)	8
10	74-6560	Spring – Valve	8	*	74-6810	Insert – Valve (2.625mm)	8
11	74-6550	Cup – Upper Valve Spring	8	*	74-6820	Insert – Valve (2.650mm)	8
12	74-7240	Collar – Split	16	*	74-6830	Insert – Valve (2.675mm)	8
13	74-6580	Insert – Valve (1.650mm)	8	*	74-6840	Insert – Valve (2.700mm)	8
*	74-6590	Insert – Valve (1.725mm)	8	*	74-6850	Insert – Valve (2.725mm)	8
*	74-6600	Insert – Valve (1.800mm)	8	*	74-6860	Insert – Valve (2.750mm)	8
*	74-6610	Insert – Valve (1.900mm)	8	*	74-6870	Insert – Valve (2.775mm)	8
*	74-6620	Insert – Valve (1.975mm)	8	*	74-6880	Insert – Valve (2.800mm)	8
*	74-6630	Insert – Valve (2.050mm)	8	*	74-6890	Insert – Valve (2.825mm)	8
*	74-6640	Insert – Valve (2.125mm)	8	*	74-6900	Insert – Valve (2.850mm)	8
*	74-6650	Insert – Valve (2.225mm)	8	*	74-6910	Insert – Valve (2.875mm)	8
*	74-6660	Insert – Valve (2.250mm)	8	*	74-6920	Insert – Valve (2.900mm)	8
*	74-6670	Insert – Valve (2.275mm)	8	*	74-6930	Insert – Valve (2.925mm)	8
*	74-6680	Insert – Valve (2.300mm)	8	*	74-6940	Insert – Valve (2.950mm)	8
*	74-6690	Insert – Valve (2.325mm)	8	*	74-6950	Insert – Valve (2.975mm)	8
*	74-6700	Insert – Valve (2.350mm)	8	*	74-6960	Insert – Valve (3.000mm)	8
*	74-6710	Insert – Valve (2.375mm)	8	*	74-6970	Insert – Valve (3.025mm)	8

*Not Illustrated



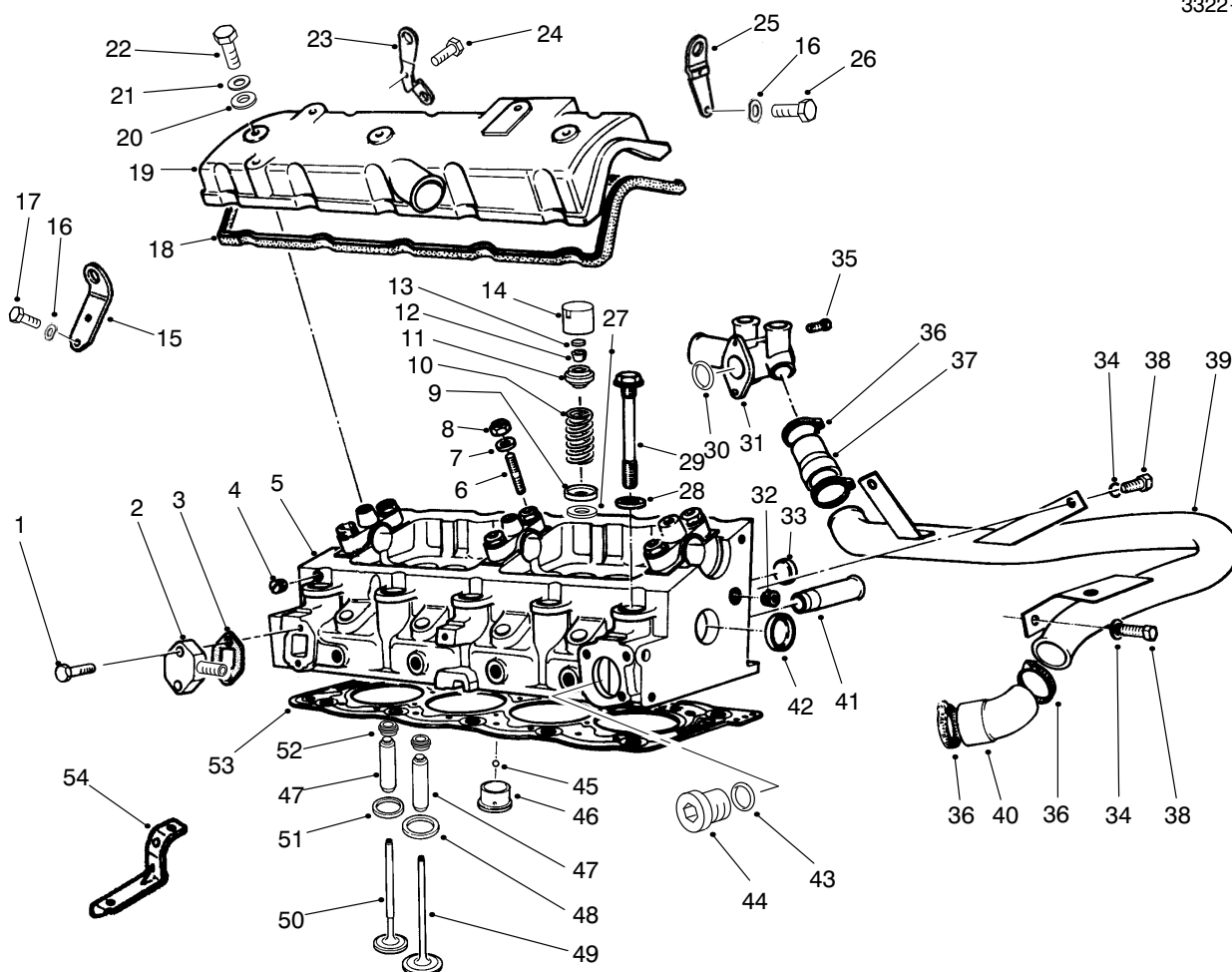
T-2148-2

CYLINDER HEAD ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
13	74-6980	Insert - Valve (3.050mm)	8
*	74-6990	Insert - Valve (3.075mm)	8
*	74-7000	Insert - Valve (3.100mm)	8
*	74-7010	Insert - Valve (3.125mm)	8
*	74-7020	Insert - Valve (3.150mm)	8
*	74-7030	Insert - Valve (3.175mm)	8
*	74-7040	Insert - Valve (3.200mm)	8
*	74-7050	Insert - Valve (3.225mm)	8
*	74-7060	Insert - Valve (3.250mm)	8
*	74-7070	Insert - Valve (3.275mm)	8
*	74-7080	Insert - Valve (3.300mm)	8
*	74-7090	Insert - Valve (3.325mm)	8
*	74-7100	Insert - Valve (3.350mm)	8
*	74-7110	Insert - Valve (3.375mm)	8
*	74-7120	Insert - Valve (3.400mm)	8
*	74-7130	Insert - Valve (3.425mm)	8
*	74-7140	Insert - Valve (3.450mm)	8
*	74-7150	Insert - Valve (3.475mm)	8
*	74-7160	Insert - Valve (3.500mm)	8
*	74-7170	Insert - Valve (3.550mm)	8
*	74-7180	Insert - Valve (3.625mm)	8
*	74-7190	Insert - Valve (3.700mm)	8
*	74-7200	Insert - Valve (3.775mm)	8
*	74-7210	Insert - Valve (3.850mm)	8
*	74-7220	Insert - Valve (3.925mm)	8
*	74-7230	Insert - Valve (4.000mm)	8

Ref. No.	Part No.	Description	No. Used
14	74-6540	Tappet - Valve	8
15	94-3135	Bracket - Lifting	1
16	74-7560	Washer - Spring	3
17	76-5470	Screw	2
18	74-7630	Gasket - Valve Cover	1
19	74-7640	Cover - Valve	1
20	74-7650	Washer - Flat	3
21	94-3125	Washer	3
22	94-3124	Bolt - Valve Cover	3
23	94-3136	Bracket - Lifting	1
24	94-3138	Screw	1
25	94-3137	Bracket - Lifting	1
26	94-3139	Screw	1
27	94-3174	Washer	8
28	74-7270	Washer - Flat	10
29	74-7260	Bolt - Head	10
30	94-3197	O-Ring	1
31	94-3196	Inlet - Water	1
32	94-3118	Plug	1
33	74-7840	Plug - 27 mm Dia.	2
*	94-3108	Plug - 27.5 mm Dia.	2
*	94-3109	Plug - 28.5 mm Dia.	2
34	68-9420	Washer - Lock	3
35	94-3198	Screw	2
36	2412-129	Clamp - Hose	4
37	94-3200	Hose - By-Pass	1

*Not Illustrated

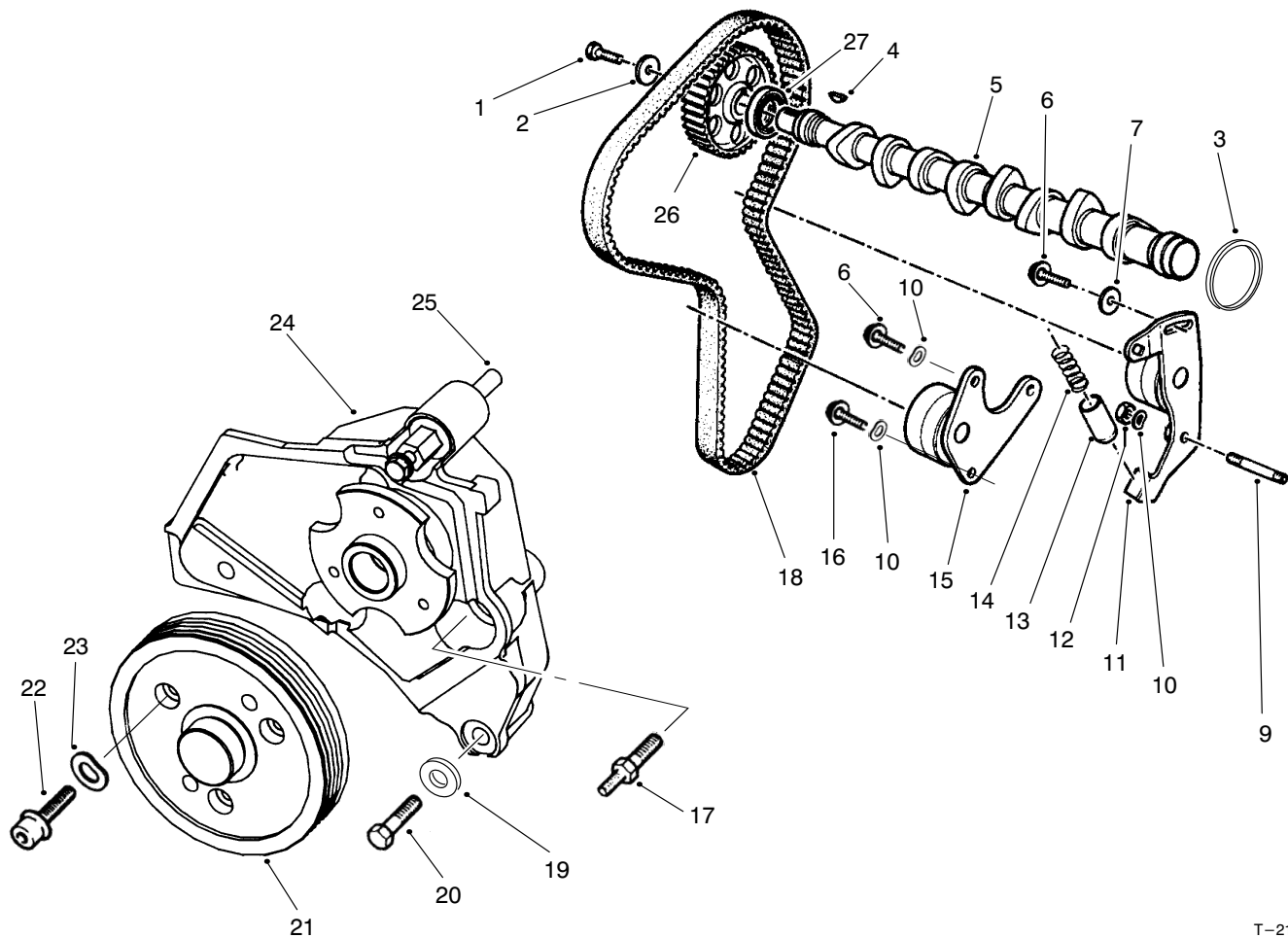


T-2148-2

CYLINDER HEAD ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
38	42-9230	Screw - Cap Hex. Hd.	3	49	74-7480	Valve - Intake	4
39	94-3199	Pipe - By-Pass	1	50	92-7794	Valve - Exhaust	4
40	98-9971	Hose - By-Pass	1	51	92-7795	Seat - Exhaust Valve (34.5mm)	4
41	74-7400	Tube	1	52	92-7791	Seal - Valve	8
42	74-7840	Plug	2	53	94-8132	Gasket - Head (1.48 mm)	1
43	94-3122	Gasket	1	*	94-8133	Gasket - Head (1.52 mm)	1
44	94-3121	Plug	1	*	94-8134	Gasket - Head (1.58 mm)	1
45	74-7420	Ball	4	*	94-8135	Gasket - Head (1.62 mm)	1
46	74-7430	Chamber - Turbulence (32.45mm)	4	54	94-3120	Bracket	1
*	74-7440	Chamber - Turbulence (32.65mm)	4	*	74-7670	Head Bolt & Washer Set (Incl. Ref. #28 & 29)	1
47	92-7792	Guide - Valve (14.29mm)	8	*	94-3119	Kit - Gasket	1
*	92-7793	Guide - Valve (14.59mm)	8	*	94-9965	Asm. - Head, Cylinder (Complete with camshaft, valves & tappets)	1
48	74-7450	Seat - Intake Valve (39.3mm)	4				
*	74-7460	Seat - Intake Valve (39.5mm)	4				

*Not Illustrated

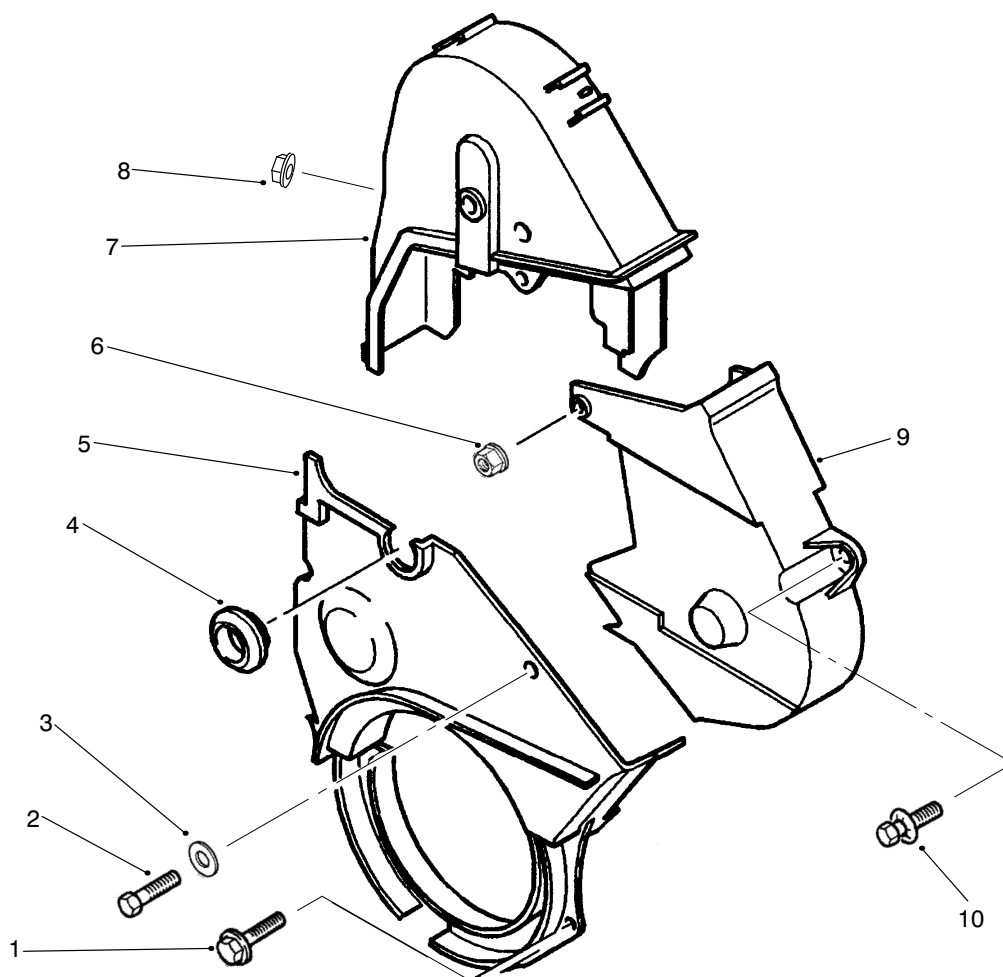


T-2141-2

CAMSHAFT & FAN SUPPORT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98-9968	Screw	2
2	77-3450	Washer	2
3	77-3420	Gasket	1
4	98-9967	Key	1
5	77-3400	Camshaft	1
6	94-3163	Screw	1
7	94-3166	Washer - Flat	1
9	94-3162	Stud	1
10	94-3164	Washer - Spring	4
11	94-3159	Roller Assembly	1
12	94-3165	Nut - Lock	1
13	77-3520	Cup	1
14	77-3510	Spring	1

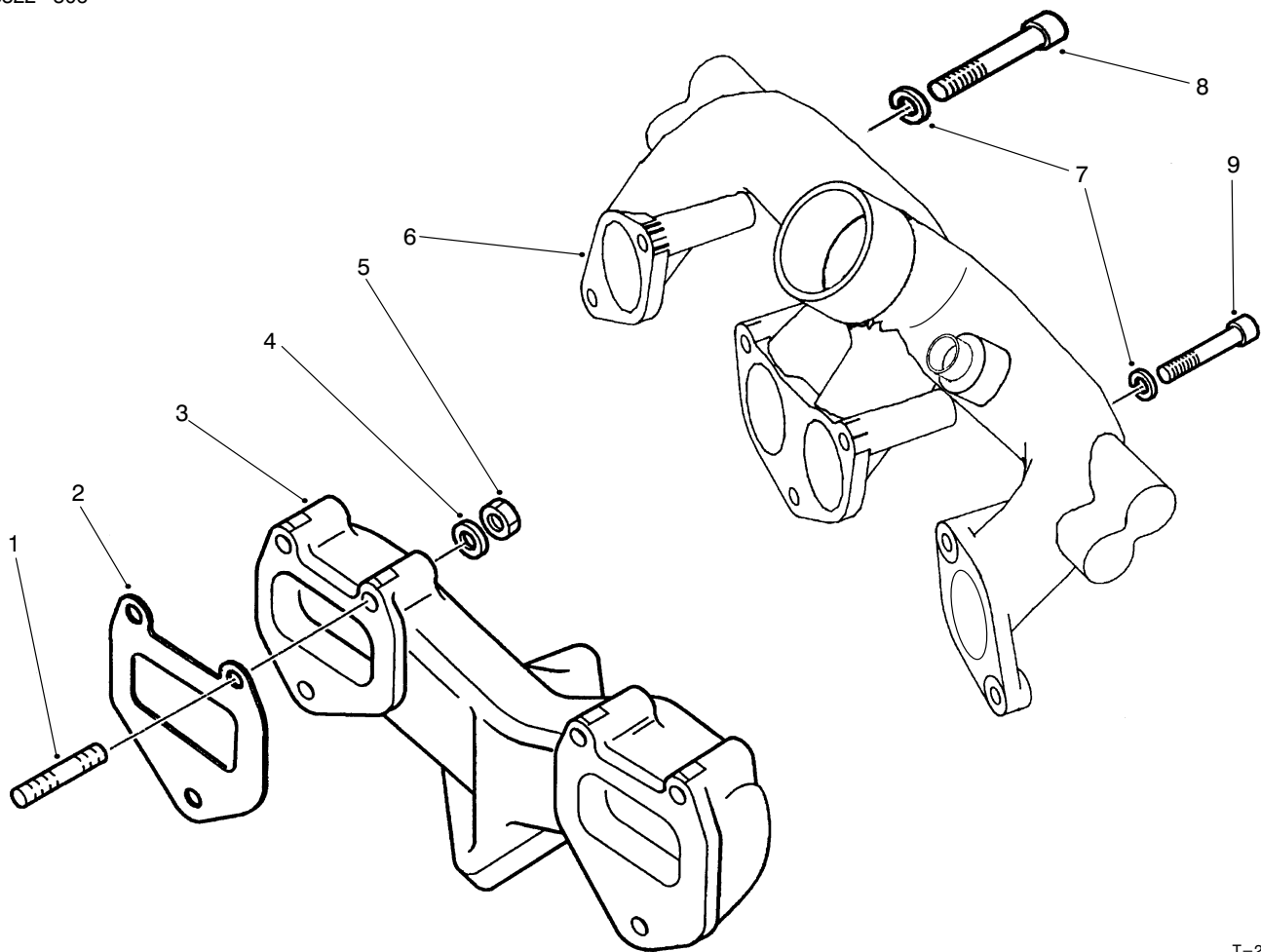
Ref. No.	Part No.	Description	No. Used
15	94-3160	Roller Assembly	1
16	94-3161	Screw	2
17	94-3170	Screw	1
18	74-8830	Belt	1
19	94-3172	Washer	3
20	94-3171	Screw	2
21	94-3168	Pulley - Fan	1
22	94-3173	Screw	3
23	76-5010	Washer	3
24	94-3167	Bracket - Fan	1
25	94-3169	Screw	1
26	98-9966	Pulley - Camshaft	1
27	94-9994	Gasket	1



T-2140-1

TIMING COVER

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



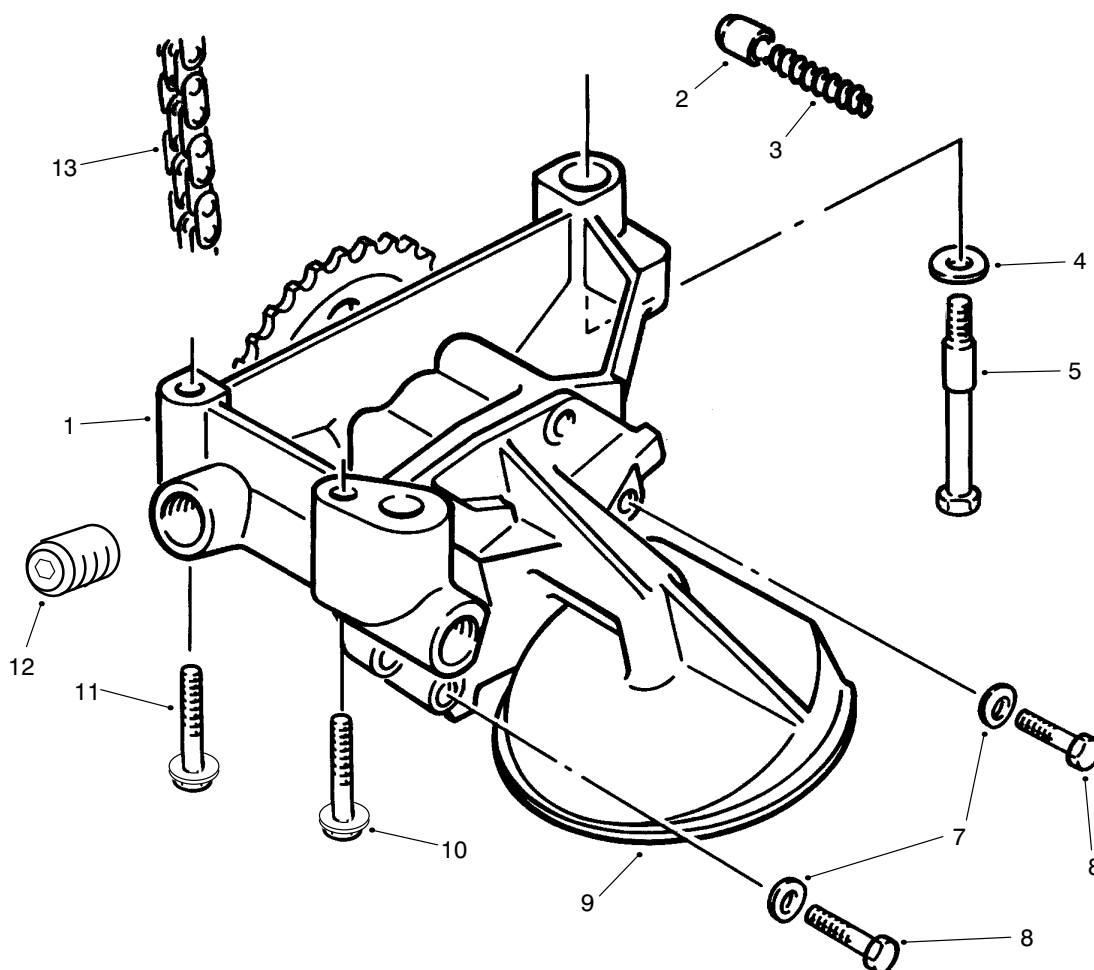
T-2149-2

INTAKE & EXHAUST MANIFOLD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	77-3300	Stud	6
2	77-3310	Gasket	2
3	77-3340	Manifold – Exhaust	1
4	68-9420	Washer – Lock	6
5	77-3320	Nut – Hex	6

Ref. No.	Part No.	Description	No. Used
6	94-3215	Manifold – Intake	1
7	94-3164	Washer – Spring	7
8	94-3216	Screw	5
9	94-3217	Screw	4
*	94-3218	Screw	1

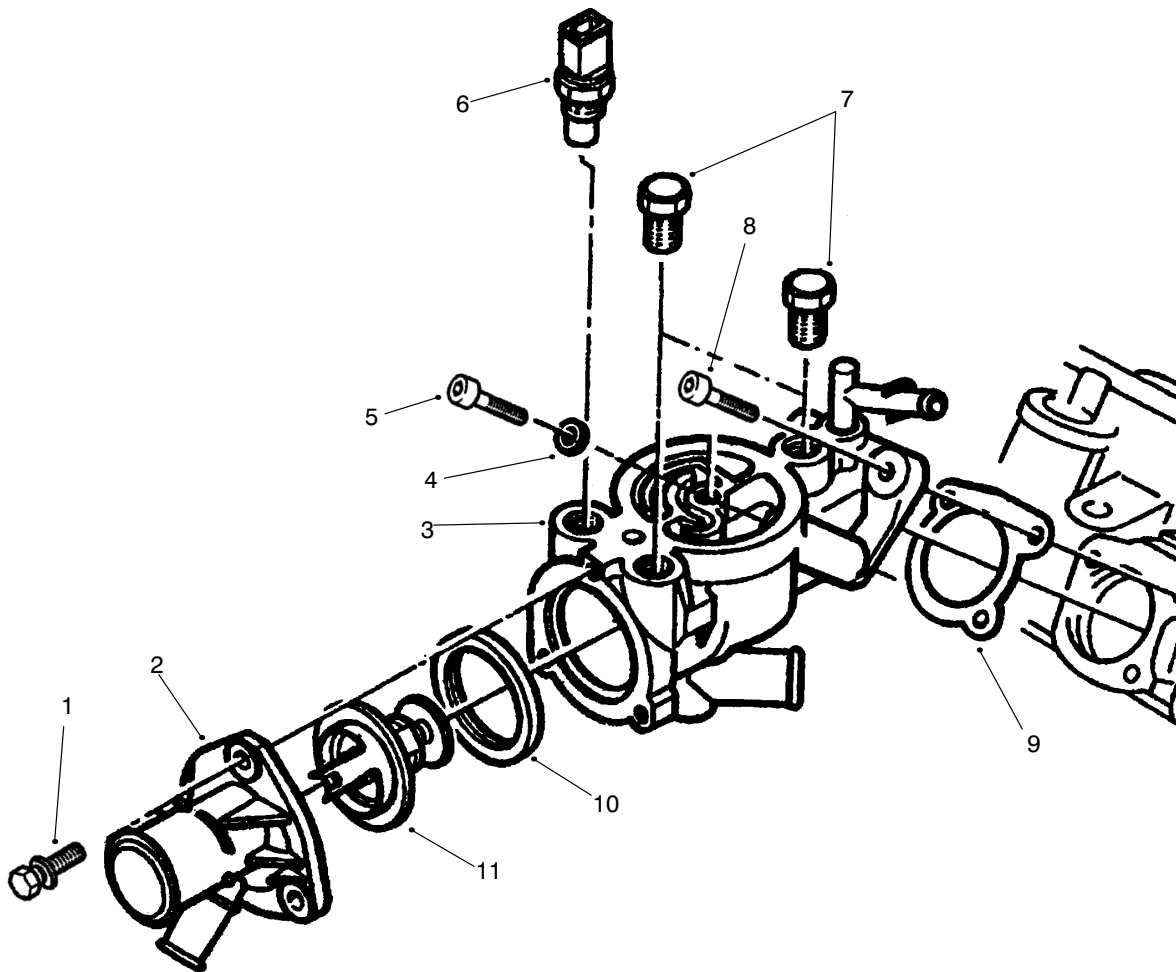
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T-0964-1

OIL PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	76-5070	Oil Pump Assembly	1	8	94-3124	Screw - Cap Hex. Hd.	2
2	94-3176	Gear - Oil Pump	1	9	94-3178	Strainer	1
3	76-5090	Spring - Piston	1	10	77-3470	Screw	1
4	94-3179	Washer - Spring	3	11	77-3490	Screw	1
5	76-5100	Bolt - Shoulder	1	12	94-3177	Plug	2
7	76-5010	Washer - Spring	5	13	76-5170	Chain - Pump Drive	1

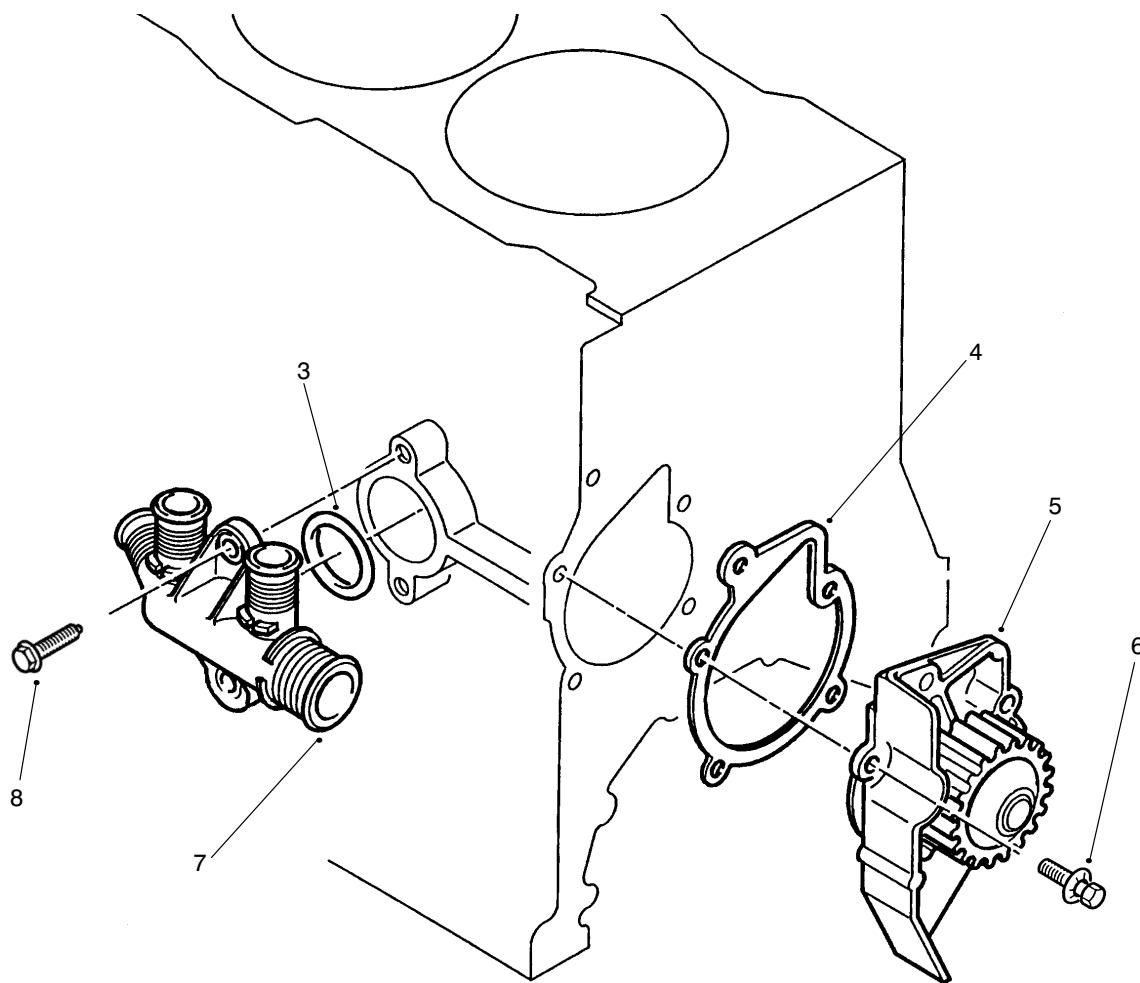


T-2143-1

COLLECTOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94-3131	Screw	3
2	94-3208	Stub - Outlet	1
3	98-9970	Box - Outlet	1
4	94-3207	Ring	1
5	94-3214	Screw	1
6	94-3211	Temp Sending Unit	1

Ref. No.	Part No.	Description	No. Used
7	94-3212	Plug	2
8	94-3213	Screw	1
9	94-3206	Gasket	1
10	94-3210	Gasket	1
11	94-3209	Thermostat	1

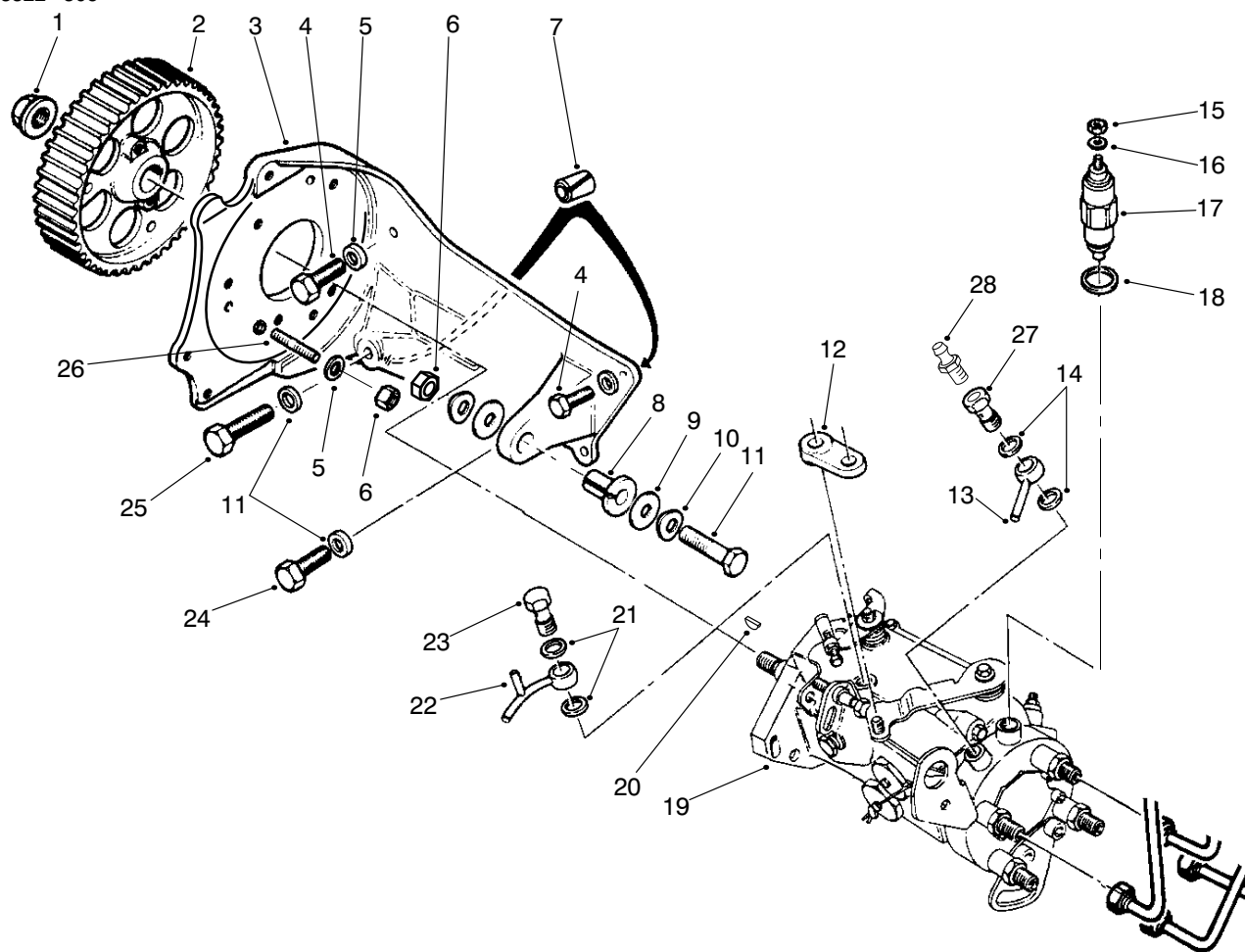


T-2144-1

WATER PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
3	94-3197	O-Ring	1	6	76-5500	Screw	5
4	98-3837	Gasket - Pump, Water	1	7	94-3196	Inlet - Water	1
5	98-9972	Cover - Pump, Water (Incl. Ref. #4)	1	8	94-3198	Screw	2

3322-306

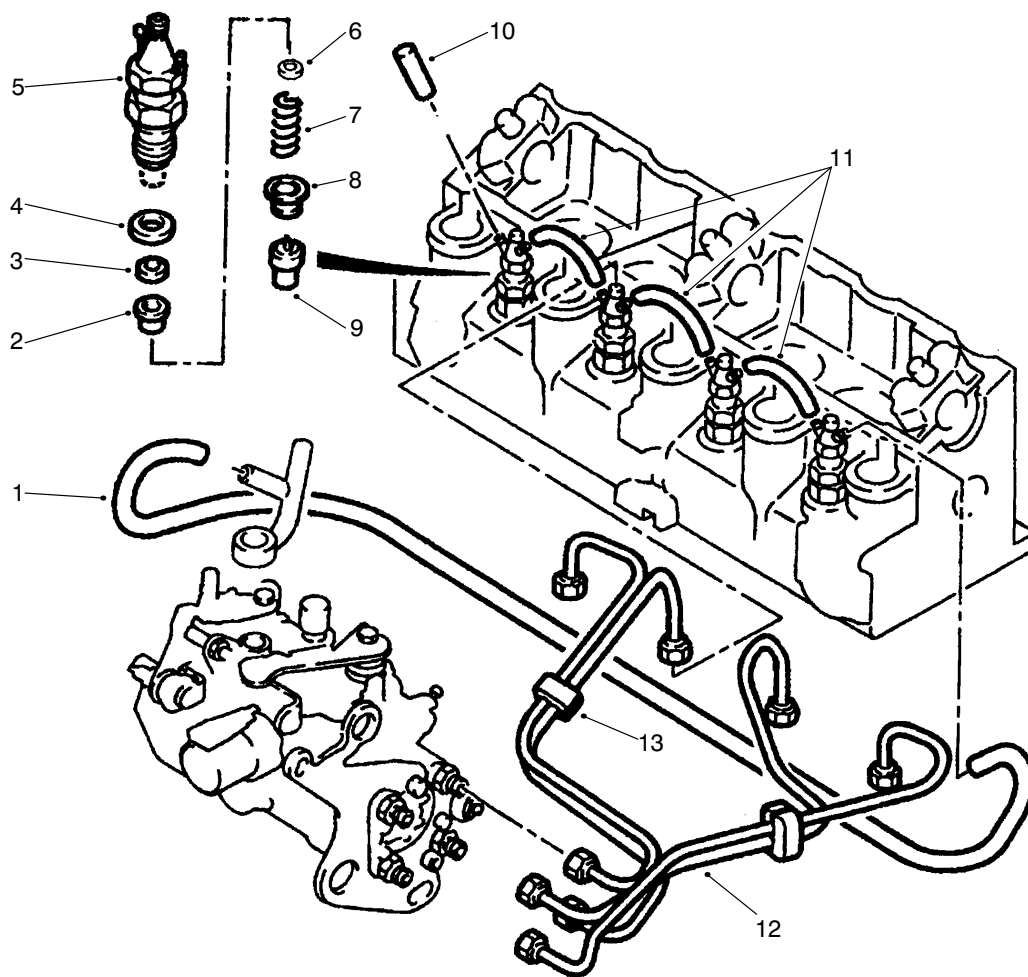


T-2146-2

FUEL INJECTION PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	76-4950	Nut	1
2	76-4940	Gear – Pump, Injection	1
3	94-3220	Bracket	1
4	94-3225	Screw	2
5	76-4930	Washer	3
6	94-3165	Nut	4
7	74-8610	Pin	2
8	74-8630	Bushing – Flange	1
9	94-3224	Washer – Flat	2
10	94-3164	Washer – Spring	6
11	94-3221	Screw	1
12	74-8650	Journal	1
13	74-8690	Union – Inlet	1
14	74-8680	Gasket	2

Ref. No.	Part No.	Description	No. Used
15	94-3251	Nut	1
16	74-8710	Washer	1
17	93-5856	Valve – Solenoid	1
18	94-3274	O-Ring	1
19	94-3219	Pump – Injection	1
20	94-3222	Key	1
21	74-8870	Gasket	2
22	94-3249	Tube – Outlet	1
23	94-3250	Screw – Connection	1
24	94-3161	Screw	1
25	94-3223	Screw	1
26	76-4910	Stud	3
27	94-9969	Screw – Connection	1
28	93-5835	Screw – Purge	1

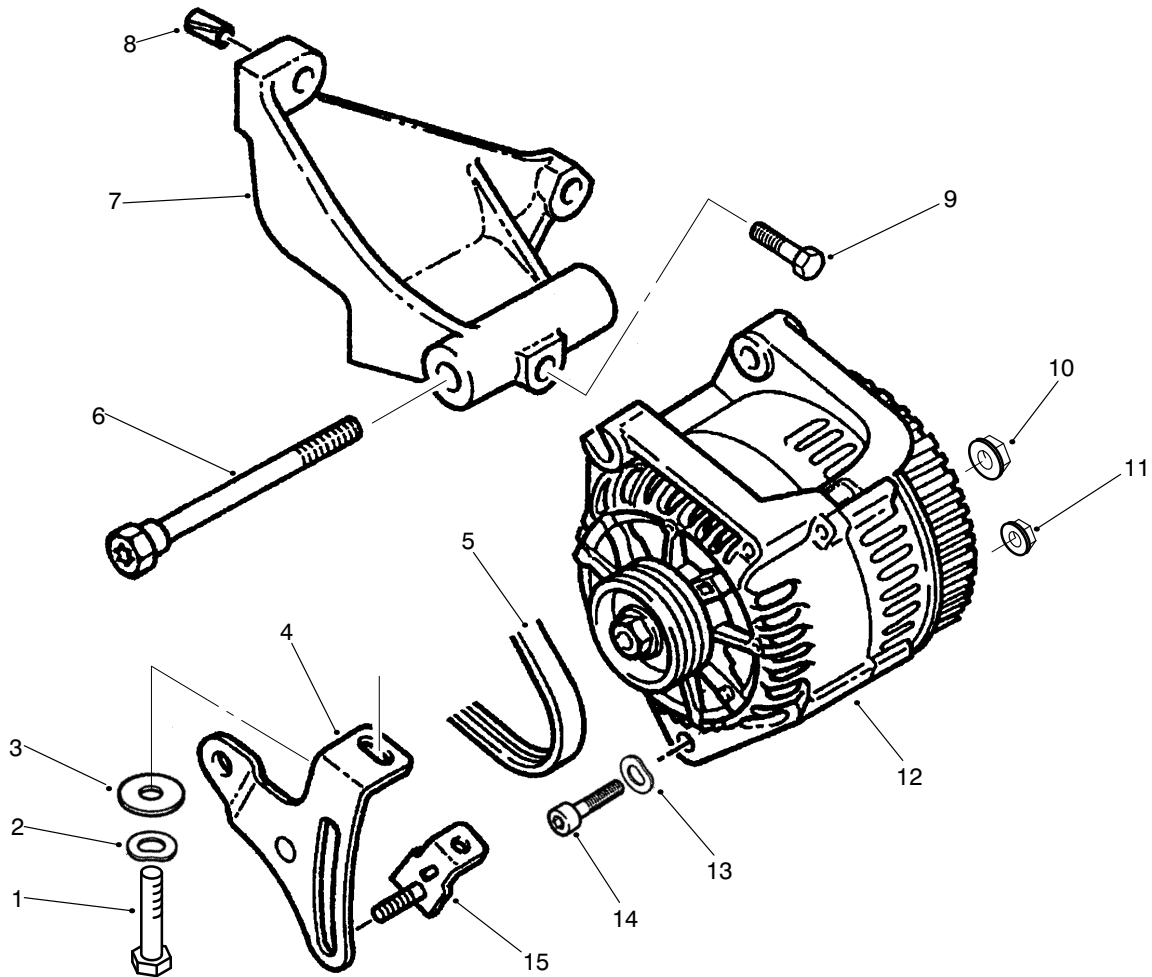


T-2145-1

FUEL INJECTOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	94-3230	Hose	1	6	94-3242	Washer - 1.30 mm	4
2	76-5540	Plug	4	*	94-3243	Washer - 1.33 mm	4
3	76-5530	Gasket - Injector	4	*	94-3244	Washer - 1.36 mm	4
4	94-3226	Gasket - Injector	4	*	94-3245	Washer - 1.39 mm	4
5	76-5520	Holder - Injector	4	*	94-3246	Washer - 1.42 mm	4
6	94-3232	Washer - 0.79 mm	4	*	94-3247	Washer - 1.45 mm	4
*	94-3233	Washer - 0.82 mm	4	*	94-3248	Washer - 1.48 mm	4
*	94-3234	Washer - 0.85 mm	4	7	94-3228	Spring	4
*	94-3235	Washer - 0.88 mm	4	8	94-3227	Spacer	4
*	94-3236	Washer - 0.91 mm	4	9	76-5600	Injector	4
*	94-3237	Washer - 0.94 mm	4	10	74-8770	Plug	1
*	94-3238	Washer - 0.97 mm	4	11	94-3229	Union	3
*	94-3239	Washer - 1.00 mm	4	12	74-8750	Pipe	1
*	94-3240	Washer - 1.03 mm	4	13	94-3231	Bracket	2
*	94-3241	Washer - 1.06 mm	4				

*Not Illustrated

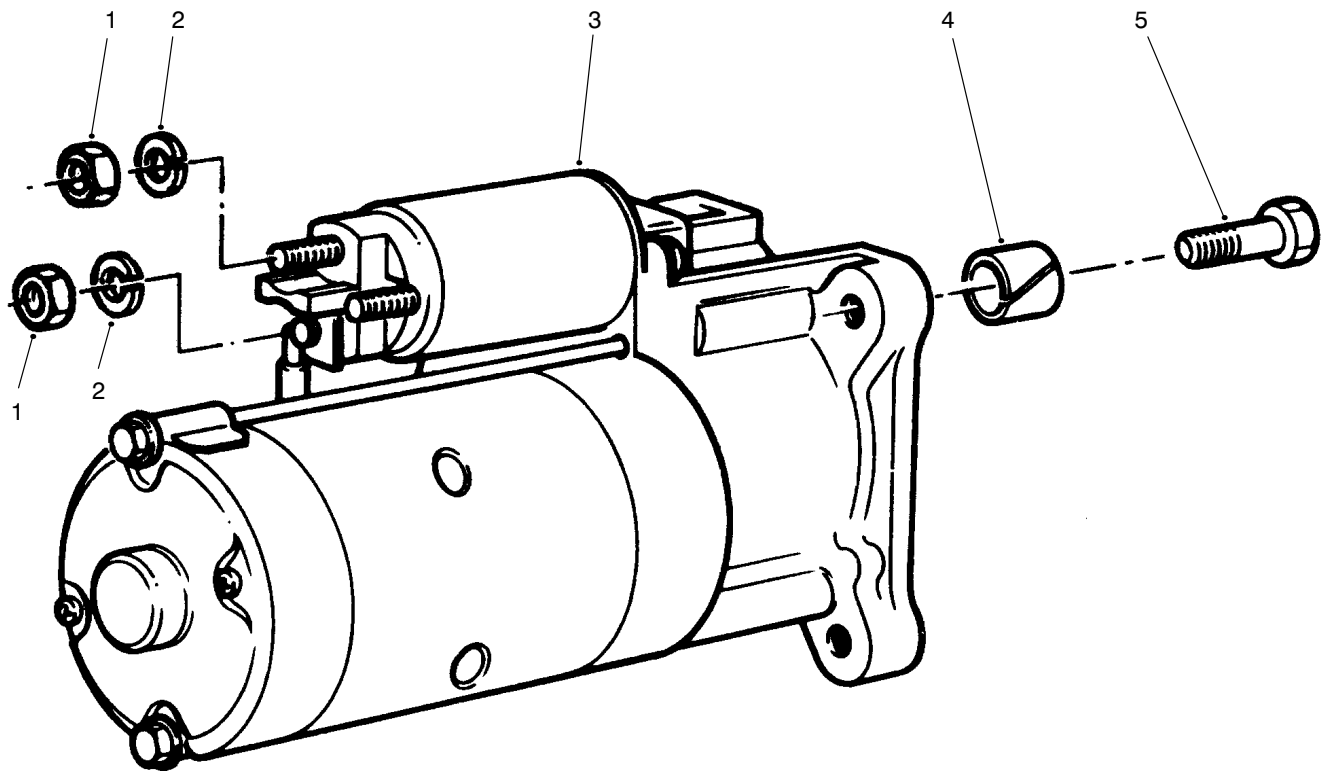


T-2147-1

ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	76-5060	Screw	1
2	76-5010	Washer - Spring	1
3	94-3260	Washer - Flat	1
4	94-3255	Slide	1
5	94-3256	Belt	1
6	94-3254	Screw	1
7	94-3253	Bracket	1
8	74-8610	Pin	2

Ref. No.	Part No.	Description	No. Used
9	76-5000	Screw	1
10	94-3262	Nut	1
11	94-3261	Nut	1
12	94-3252	Alternator	1
13	94-3257	Washer - Spring	1
14	94-3258	Screw	1
15	76-4990	Bracket	1

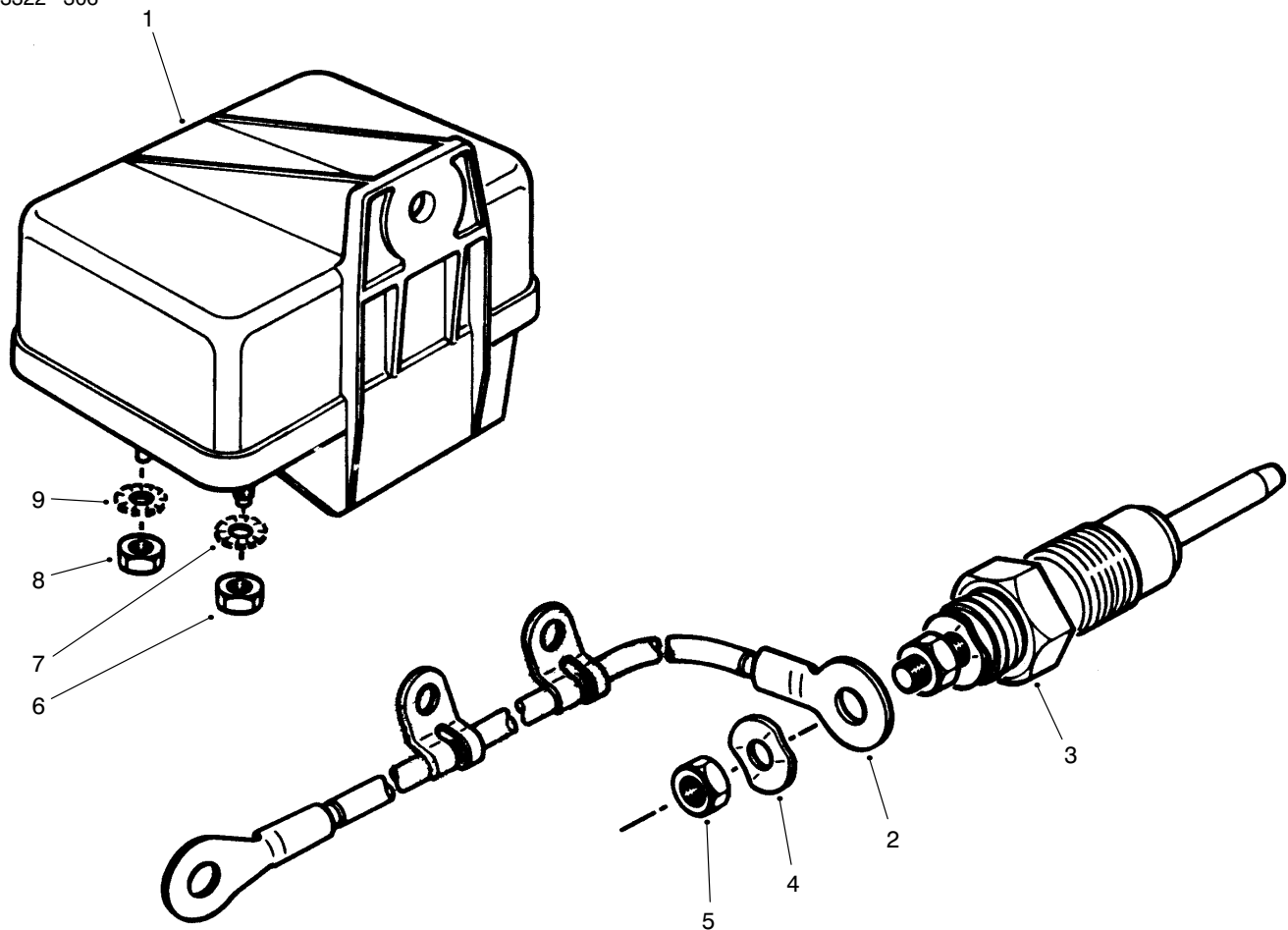


T-0968-1

STARTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	46-0330	Nut-Hex	2
2	76-5570	Washer-Lock	2
3	94-3263	Starter	1

Ref. No.	Part No.	Description	No. Used
4	76-5590	Sleeve - Spring	1
5	48-7810	Screw-Mounting	3

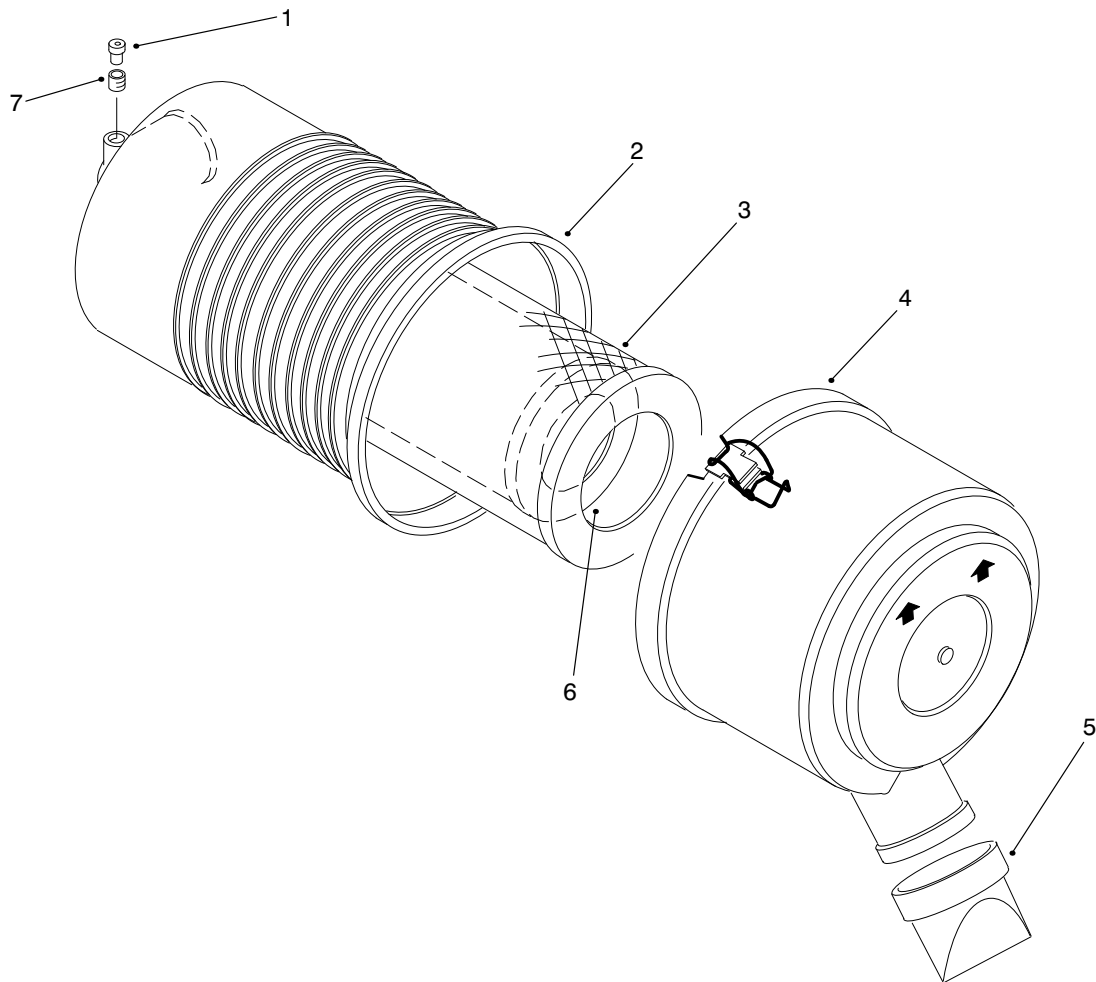


T-0972-1

GLOW PLUG & GLOW RELAY

Ref. No.	Part No.	Description	No. Used
1	76-5260	Relay – Glow Plug	1
2	94-3265	Cable – Glow Plug	4
3	94-3264	Plug – Glow	4
4	76-5290	Washer – Spring	4
5	94-3266	Nut – Hex.	4

Ref. No.	Part No.	Description	No. Used
6	94-3267	Nut – Lock	1
7	76-5310	Washer – E.T.L.W.	1
8	94-3251	Nut – Lock	1
9	74-8710	Washer – E.T.L.W.	1

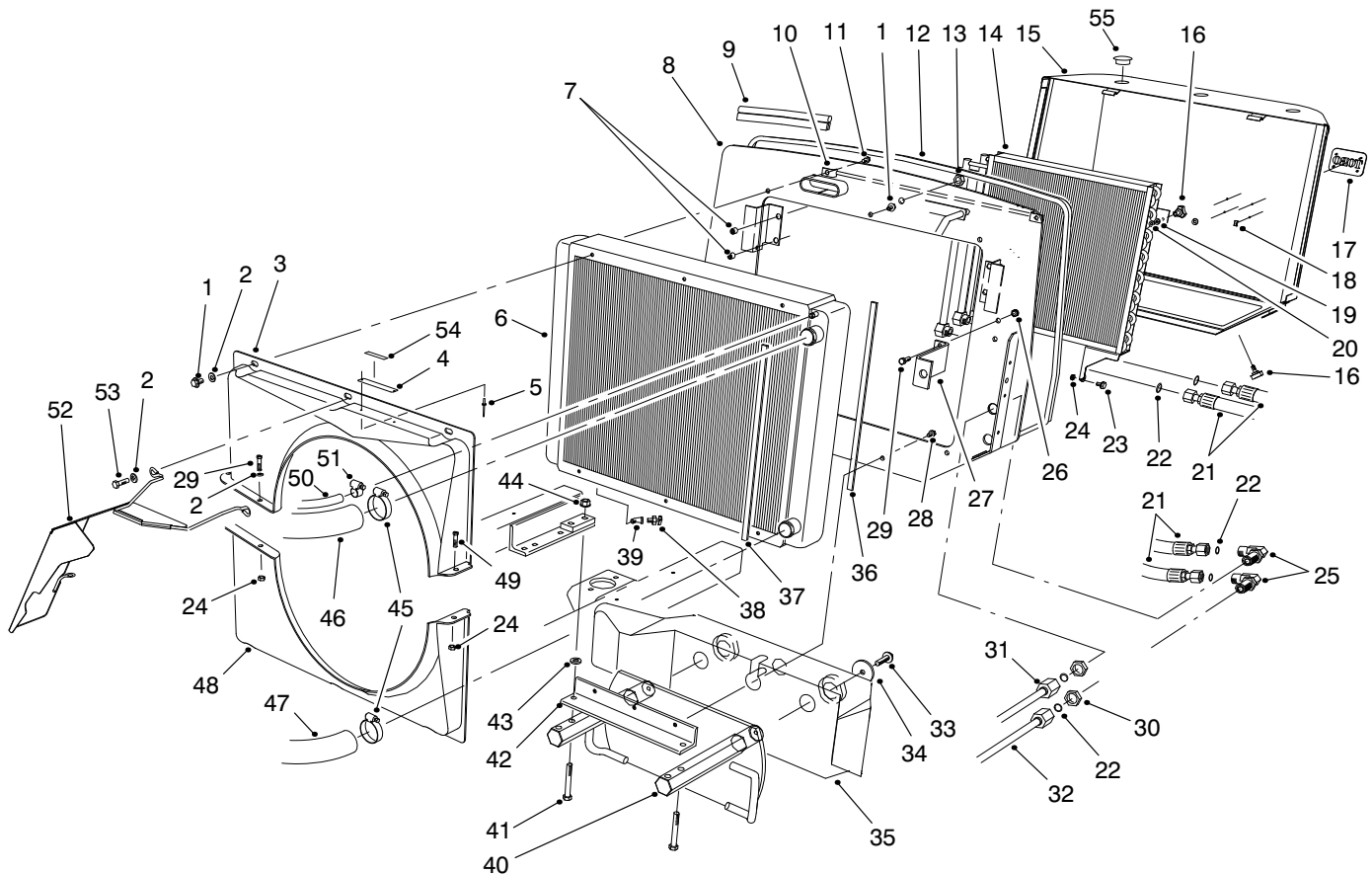


T-2076-1

AIR CLEANER ASSEMBLY NO. 93-7485

Ref. No.	Part No.	Description	No. Used
1	93-9164	Indicator	1
2		Asm. - Body	1
3	93-9162	Filter - Primary	1
4		Asm. - Cover	1

Ref. No.	Part No.	Description	No. Used
5	87-9400	Valve - Vacuator	1
6	93-9163	Filter - Safety	1
7	94-1416	Asm. - Adaptor	1

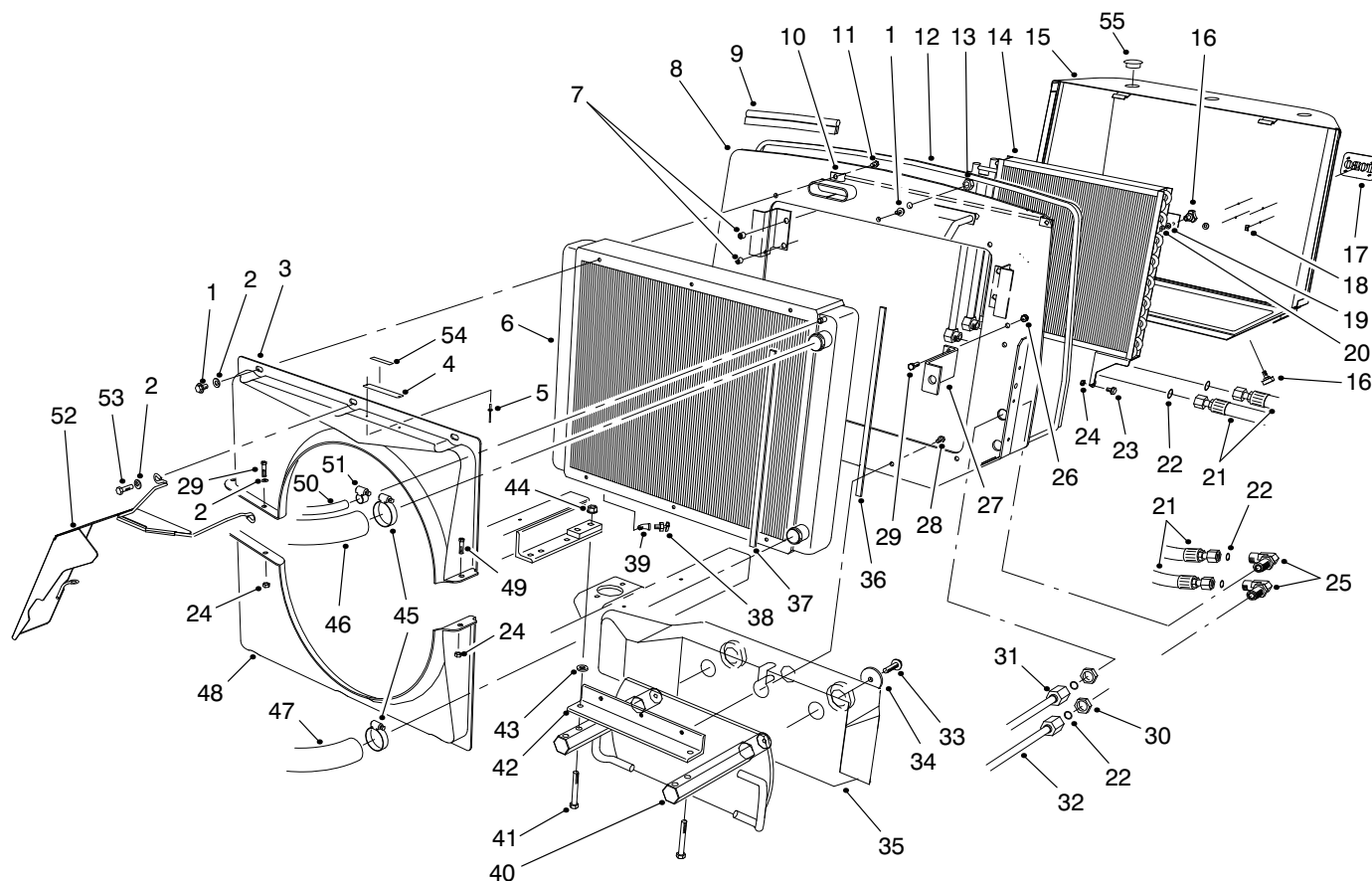


T-1518-3

RADIATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3234-30	Screw - Hex. Flange Hd.	8
2	3256-23	Washer - Flat	7
3	74-4980	Shroud - Fan Upper	1
4	76-8750	Plate - Caution	1
5	3290-271	Rivet - Pop	2
6	74-3410	Radiator	1
7	32148-10	Insert - Threaded	4
8	93-7799	Radiator Mount Assembly (Incl. Ref. #7)	1
9	94-5616	Seal - Hood	1
10	94-5621	Bracket Assembly - Screen	1
11	3234-14	Screw - Hex. Hd. Flange	2
12	94-5622	Seal Strip - Screen	1
13	3296-23	Nut - Hex. Lock	2
14	82-3740	Oil Cooler Assembly	1
15	94-5612	Screen Assembly	1
16	77-3620	Retainer - Cover	4
17	93-6028	Plate - Logo, TORO	1
18	94-2638	Nut - Tinnerman	4
19	3256-3	Washer - Flat	2
20	32151-72	Retainer - Push-On	2
21	94-8010	Hose - Hydraulic	2
22	237-65	O-Ring	6
23	37-8771	Screw - Hex. Washer Hd.	2
24	3296-47	Nut - Lock	5

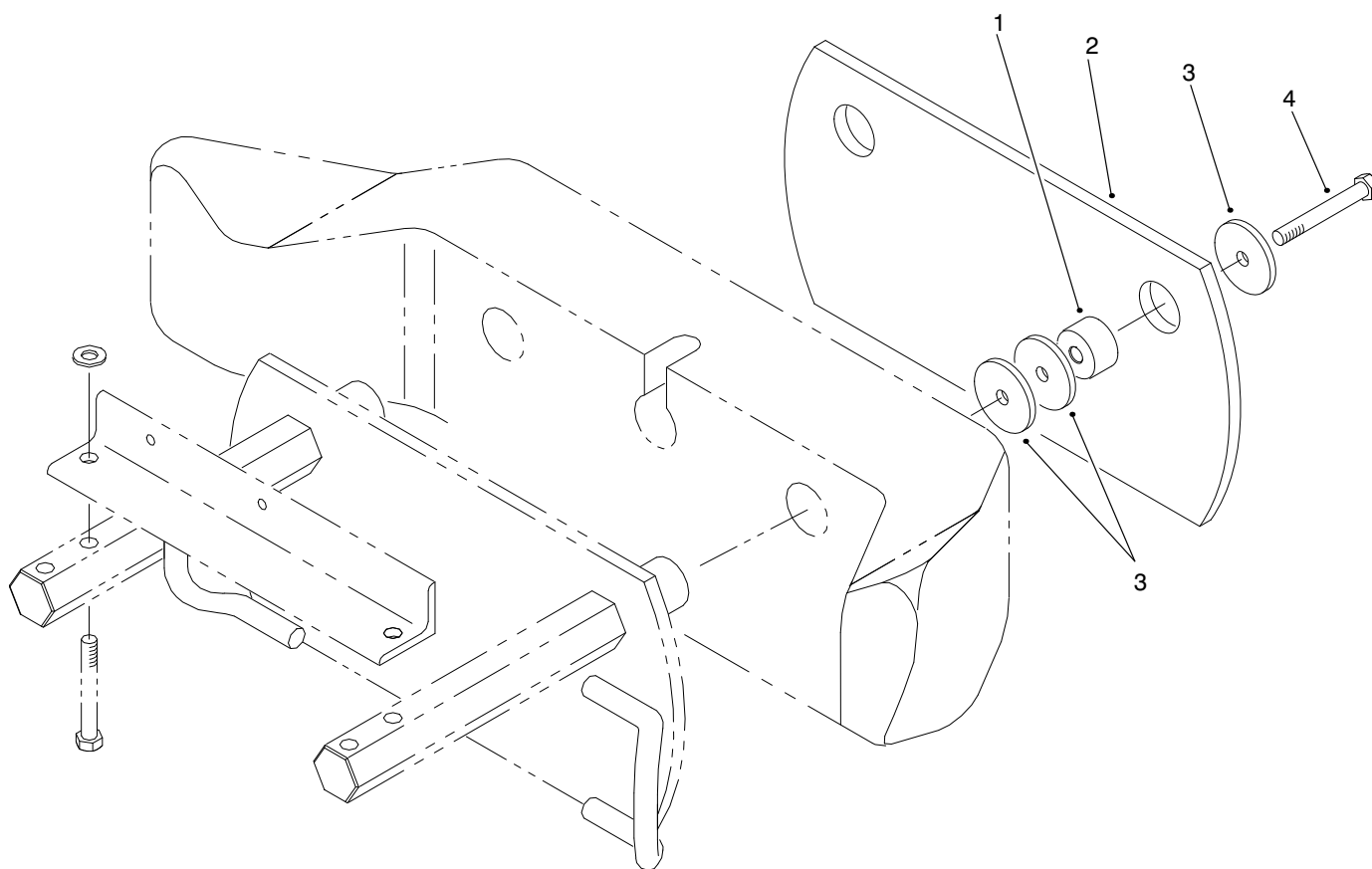
Ref. No.	Part No.	Description	No. Used
25	340-72	Fitting - Hydraulic 90° (Incl. Ref. #22)	2
26	32128-20	Nut - Lock Flange	2
27	93-7244	Bracket - Support	1
28	3234-11	Screw - Hex. Washer Hd.	5
29	322-4	Screw - Cap Hex. Hd.	3
30	340-74	Nut - Bulkhead	2
31	74-6400	Assembly - Tube	1
32	94-8298	Tube Assembly - Oil Cooler	1
33	325-34	Screw - Hex. Flange Hd.	2
34	88-1360	Washer	2
35	92-9711	Weight - Rear	1
36	76-6381	Seal - Strip	2
37	76-6382	Seal - Strip	2
38	304-46	Drain Cock	1
39	2811-1	Fitting - 45° Elbow	1
40	98-7070	Weight - Rear	1
41	325-35	Screw - Cap Hex. Hd.	2
42	74-5460	Angle Radiator Support	1
43	3256-26	Washer - Flat	2
44	32128-49	Nut - Hex. Flange	2
45	2412-3	Clamp - Hose	2
46	94-1418	Hose - Radiator, Upper	1
47	74-6020	Hose - Radiator, Lower	1
48	74-4990	Shroud - Fan, Bottom	1
49	322-3	Screw - Cap Hex. Hd.	2



T-1518-3

RADIATOR ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
50	94-5625	Hose - Radiator, Overflow	1	53	3234-5	Screw - Hex. Flange Hd.	2
51	2412-36	Clamp - Hose	1	54	93-6681	Decal - Warning	1
52	94-5635	Guard - Fan	1	55	2410-64	Plug - Hole	3

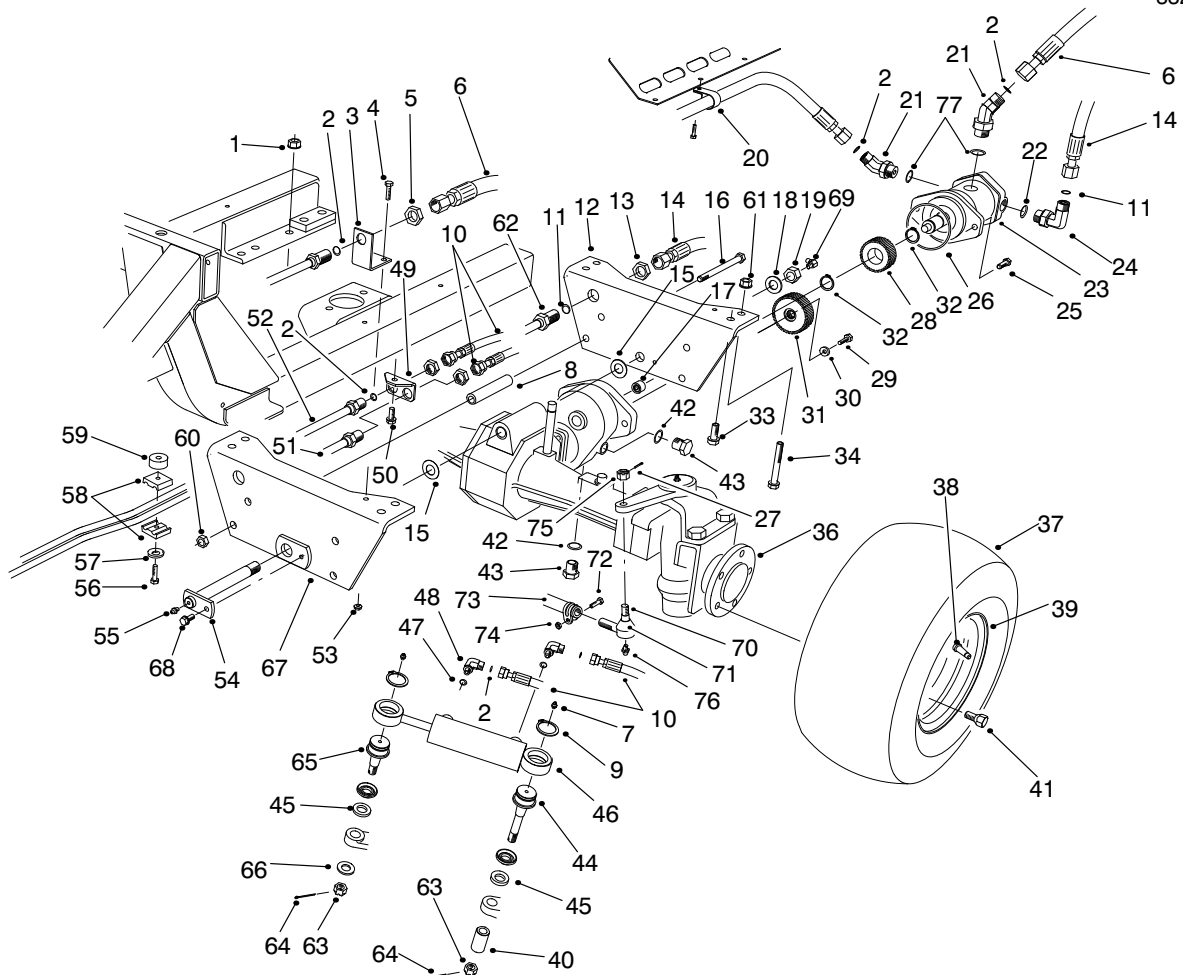


T-1946-1

ADDITIONAL WEIGHT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	84-1570	Spacer	2
2	88-1220	Plate	2

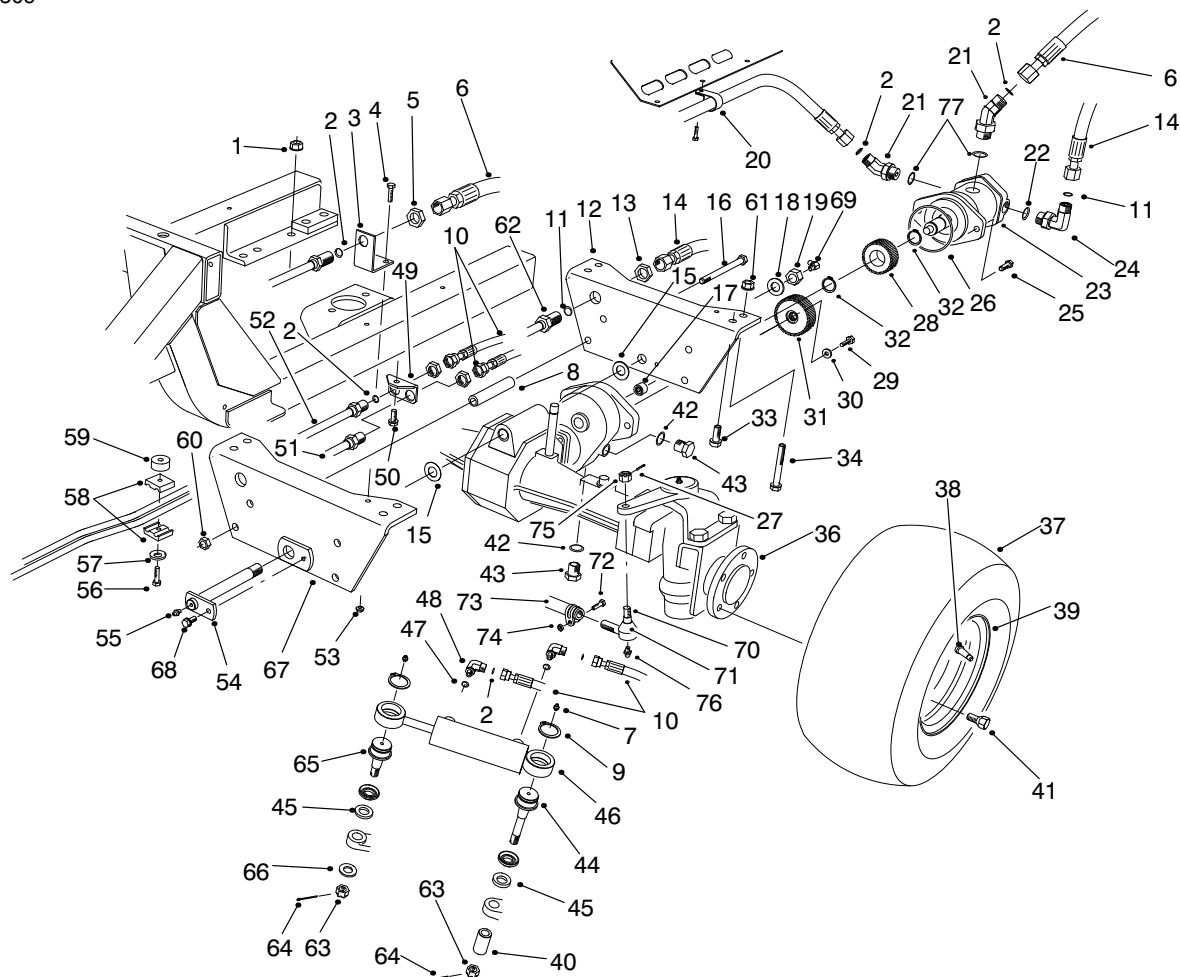
Ref. No.	Part No.	Description	No. Used
3	88-1360	Washer - Rear Weight	6
4	325-18	Screw - Cap Hex. Hd.	2



T-1774-4

REAR AXLE ASSEMBLY

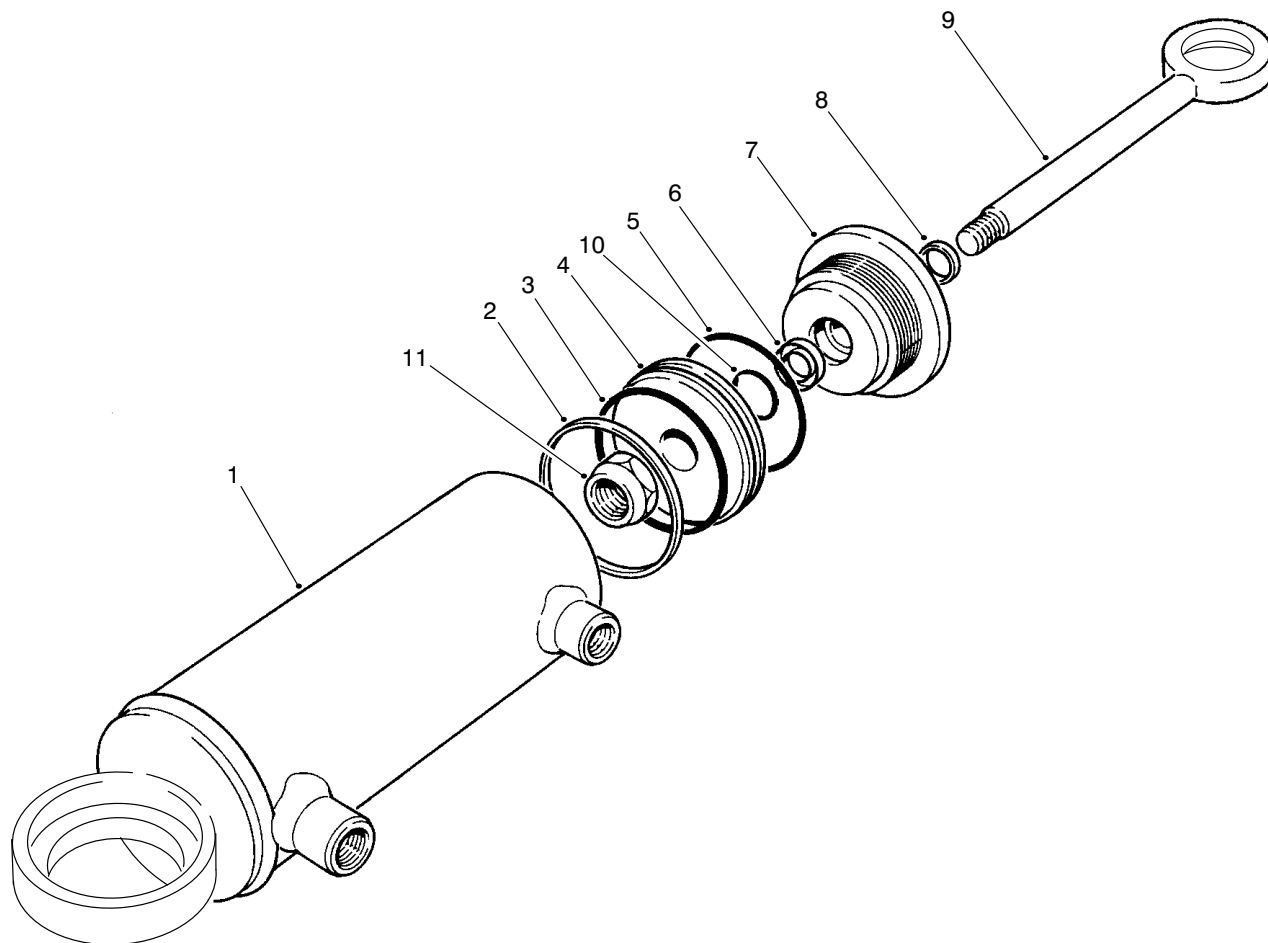
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32128-23	Nut-Flange Lock	2	25	325-6	Screw-Cap Hex. Hd.	2
2	237-22	Seal-O-Ring	8	26	237-166	O-Ring	1
3	76-9290	Bracket-Bulkhead	1	27	3272-17	Pin-Cotter	2
4	3234-4	Screw-Cap Hex. Hd.	1	28	95-4393	Gear-Driver	1
5	340-70	Nut-Bulkhead	3	29	33114-025	Screw-HH	1
6	86-3140	Hose-Hydraulic	1	30	88-7200	Washer-Flat	1
7	302-5	Fitting-Grease	2	31	99-7500	Clutch-Bidirectional	1
8	98-7076	Stop-Axle	2	32	32120-15	Ring-Retaining	2
9	32151-104	Ring-Retaining	2	33	325-12	Screw-Hex. Flange Hd.	2
10	76-9590	Hose-Hydraulic	2	34	325-35	Screw-Cap Hex. Hd.	2
11	237-65	O-Ring	2	35	95-4391	Tie Rod Assembly (Incl. Ref. #70-76)	1
12	94-8246	Plate-Axle Pivot Rear	1	36	95-7500	Axle-4wd	1
13	340-74	Nut-Bulkhead	1	37	86-5910	Tire	2
14	86-2730	Hose-Hydraulic	1	38	217-125	Rim	2
15	98-3867	Washer-Thrust	2	39	232-27	Stem-Valve	2
16	325-36	Screw-Cap Hex. Hd.	2	40	92-5844	Spacer-Ball Joint	1
17	74-5700	Bearing-Needle	1	41	74-5500	Bolt-Wheel	10
18	69-8910	Washer-Flat	1	42	237-42	O-Ring	3
19	3296-68	Nut-Lock	1	43	353-508	Plug (Incl. Ref. #42)	2
20	2412-74	Clamp-R	1	44	92-5839	Ball Joint	1
21	340-18	Fitting-Hydraulic 45° (Incl. Ref. #2 & 77)	2	45	92-5833	Spacer-Ball Joint	2
22	237-81	O-Ring	1	46	98-3806	Cylinder-Hydraulic	1
23	99-7502	Motor-Hydraulic	1	47	237-78	O-Ring	2
24	340-139	Fitting-Hydraulic 90° (Incl. Ref. #11 & 22)	1				



T-1774-4

REAR AXLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
48	340-97	Fitting-Hydraulic 90° (Incl. Ref. #2 & 47)	2	63	32136-14	Nut-Hex. Slotted Hd.	2
49	98-3806	Bracket-Bulkhead	1	64	3272-12	Pin-Cotter	2
50	32144-11	Screw-Hex. Washer Hd.	1	65	92-5838	Ball Joint	1
51	86-5790	Tube Assembly LH Rear	1	66	92-5836	Washer-Axle	1
52	86-5780	Tube Assembly RH Rear	1	67	94-8247	Plate-Axle Pivot Front	1
53	32128-33	Nut-Flange, Lock	1	68	32144-41	Screw-Hex. Flange Hd.	1
54	98-7077	Pin-Axle Pivot	1	69	302-33	Fitting-Grease 90°	1
55	302-2	Fitting-Grease	1	70	2411-45	Tie Rod End	2
56	32104-37	Screw-Cap Hex. Hd.	1	71	71-4760	Seal	2
57	3256-71	Washer-Flat	1	72	323-9	Screw-HH	2
58	56-7973	Clamp-Hose	2	73	99-7503	Tube & Clamp Assembly	1
59	80-8660	Spacer	1	74	3296-39	Nut-Hex. Lock	2
60	3296-23	Nut-Lock	2	75	32136-13	Nut-Hex. Slotted	2
61	32128-49	Nut-Lock	2	76	302-55	Fitting-Lube	2
62	86-2770	Assembly-Tube	1	77	237-79	O-Ring	2



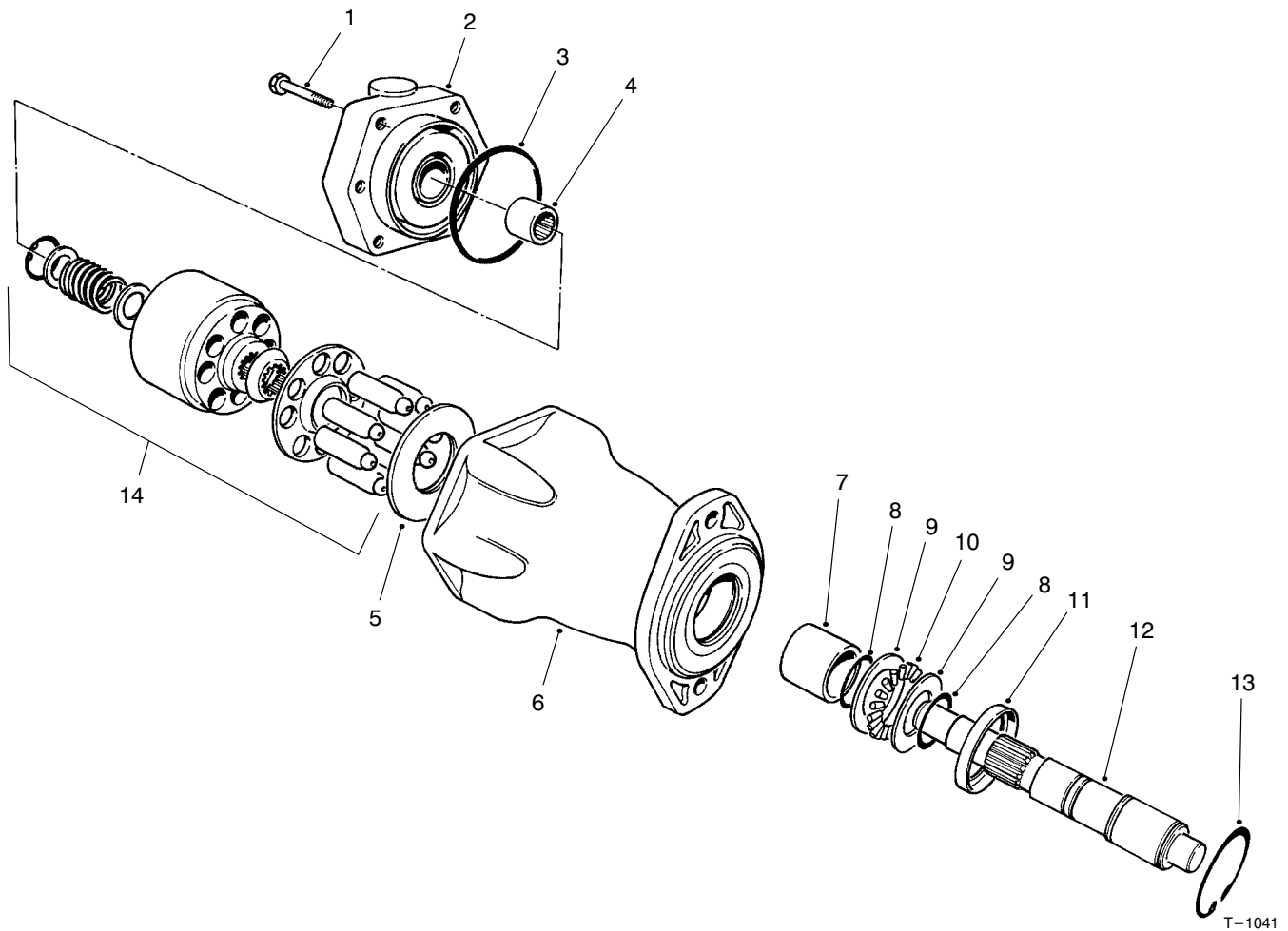
T-1776-1

HYDRAULIC CYLINDER NO. 98-3806 (Model No. 30455 Only)

Ref. No.	Part No.	Description	No. Used
1	99-4753	Butt & Tube Assembly	1
2		Seal-Teflon	1
3		O-Ring	1
4	66-1940	Piston	1
5		O-Ring	1
6		U-Cup	1
7	92-6588	Gland	1

Ref. No.	Part No.	Description	No. Used
8		Wiper	1
9	99-4754	Piston Rod Assembly	1
10		O-Ring	1
11	66-1930	Nut-Lock	1
*	92-6593	Kit-Seal (Incl. Ref. #2, 3, 5, 6, 8 & 10)	1

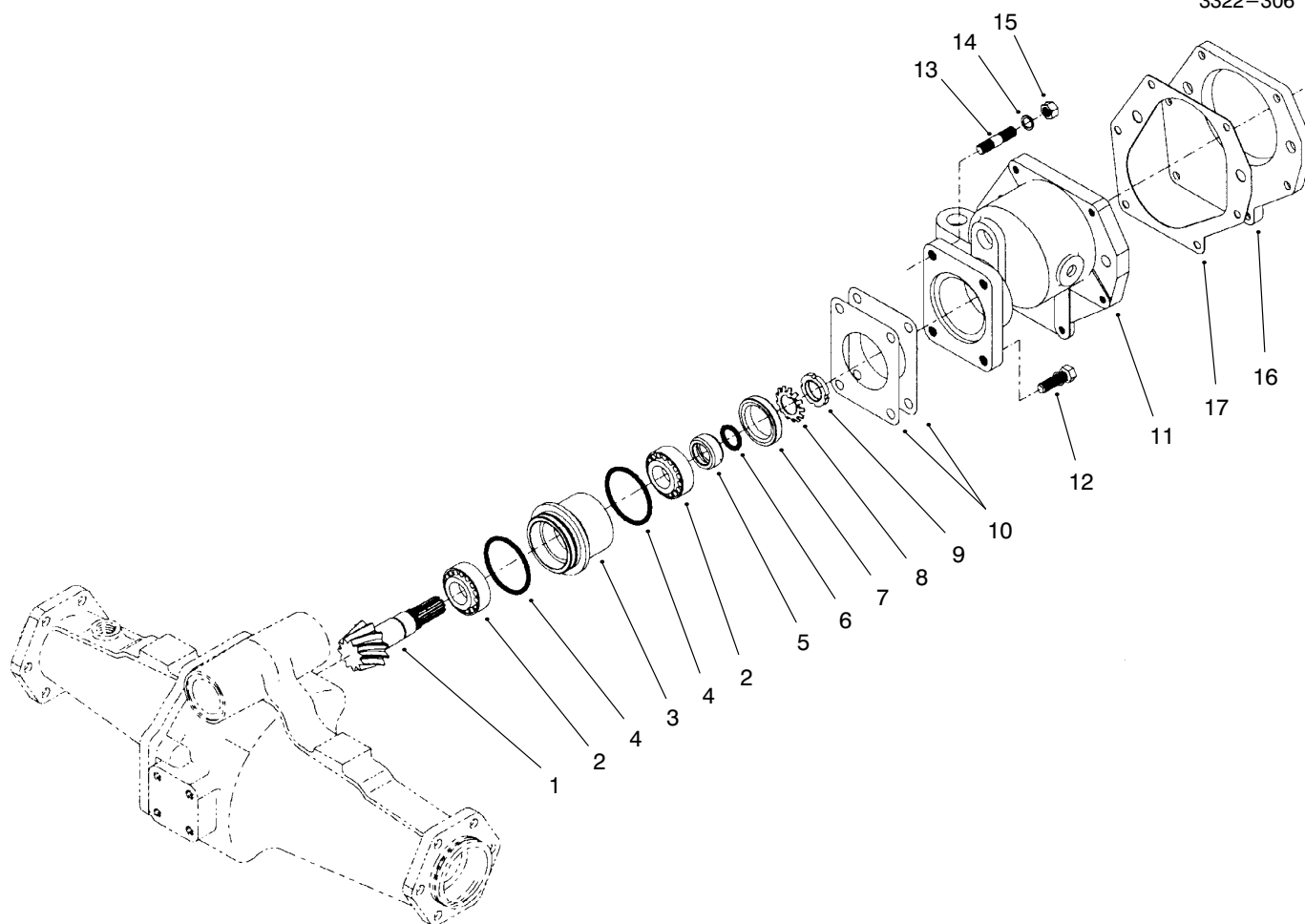
*Not Illustrated



HYDRAULIC MOTOR NO. 99-7502 (Model No. 30455 Only)

Ref. No.	Part No.	Description	No. Used
1	100-2550	Screw - Cap, Hex. Hd.	6
2	100-2551	Back Plate Assembly (Incl. Ref. #4)	1
3	76-6980	O-Ring	1
4		Bearing	1
5	76-6970	Insert - Camplate	1
6	100-2552	Housing Assembly (Incl. Ref. #7)	1

Ref. No.	Part No.	Description	No. Used
7		Bearing	1
8	76-7000	Ring - Retaining	2
9	76-6950	Race - Thrust	1
10	76-6960	Bearing - Thrust	1
11	100-2553	Seal - Shaft	1
12	100-2554	Shaft - Drive	1
13	76-7010	Ring - Retaining	1
14	76-6910	Rotating Assembly	1



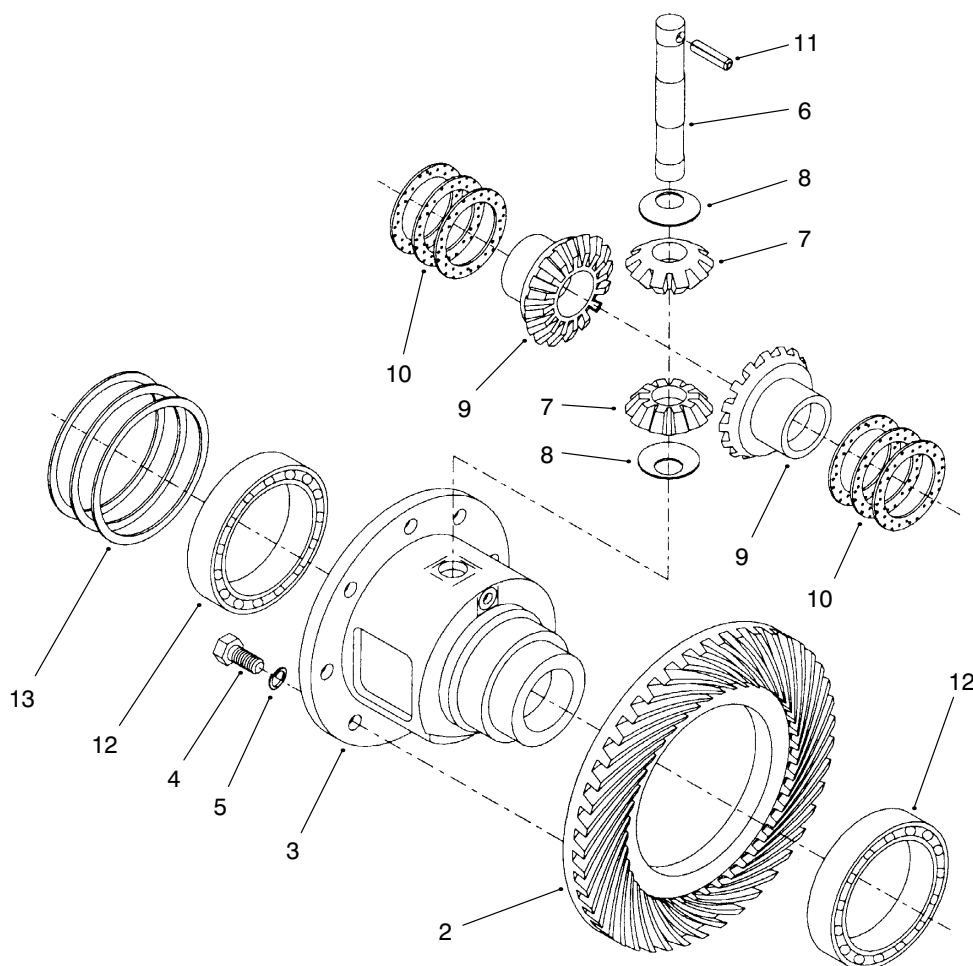
T-3202-1

REAR AXLE ASSEMBLY NO. 95-7500 BEVEL PINION SHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	100-2555	Pinion-Spiral Bevel (Incl. Gear-43 Spiral Bevel)	1
2	99-7570	Bearing-Taper Roller	2
3	95-7534	Case-Bearing	1
4	99-7571	O-Ring	2
5	99-7572	Collar-Oil Seal	1
6	99-7573	O-Ring	1
7	99-7574	Seal-Oil	1
8	99-7559	Washer-Lock	1
9	99-7560	Nut-Lock	1

Ref. No.	Part No.	Description	No. Used
10	99-7550	Shim-0.1	2
*	99-7551	Shim-0.2	2
11	95-7533	Case-Gear	1
12	99-7575	Bolt	2
13	100-2556	Stud	2
14	99-7527	Washer-Spring	2
15	99-7526	Nut	2
16	95-7541	Plate-Cover	1
17	95-7540	Gasket	1

*Not Illustrated



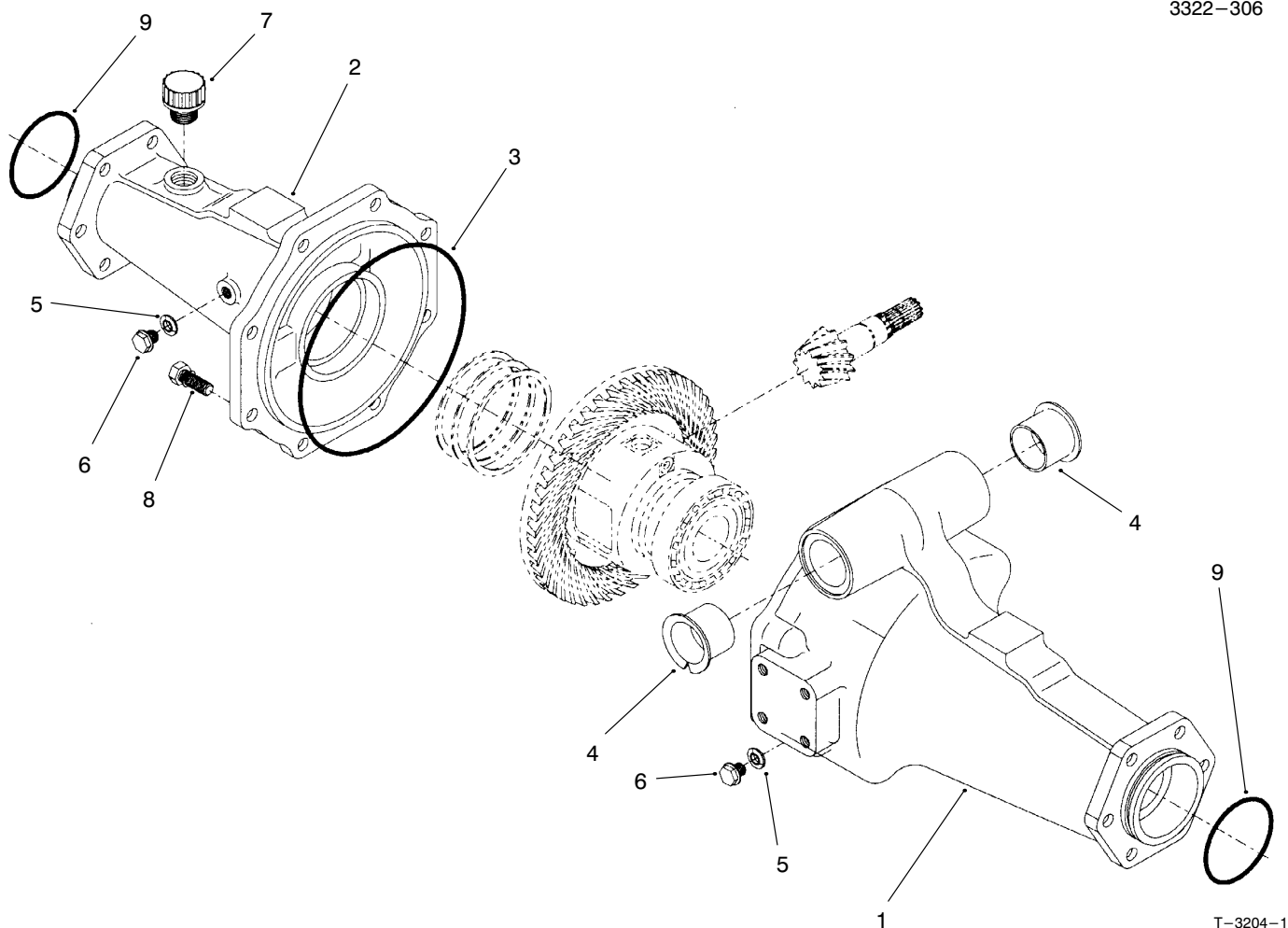
T-3203-1

REAR AXLE ASSEMBLY NO. 95-7500 (Continued) DIFFERENTIAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95-7503	Differential Assembly (Incl. Ref. #2-11)	1
2	100-2555	Gear-43 Spiral Bevel (Incl. Pinion-Spiral Bevel)	1
3	95-7502	Case-Differential	1
4	99-7576	Bolt	8
5	99-7577	Washer-Spring	8
6	99-7578	Shaft-Differential Pinion	1
7	99-7579	Pinion-Differential	2
8	99-7580	Washer-Differential Pinion	2

Ref. No.	Part No.	Description	No. Used
9	99-7581	Gear-Differential, Side	2
10	99-7582	Washer-Differential	2
*	99-7583	Washer-Differential	2
*	99-7584	Washer-Differential	2
11	99-7588	Pin-Spring	1
12	99-7562	Bearing-Ball	2
13	99-7585	Shim-0.1	2
*	99-7586	Shim-0.2	2
*	99-7587	Shim-0.4	2

*Not Illustrated



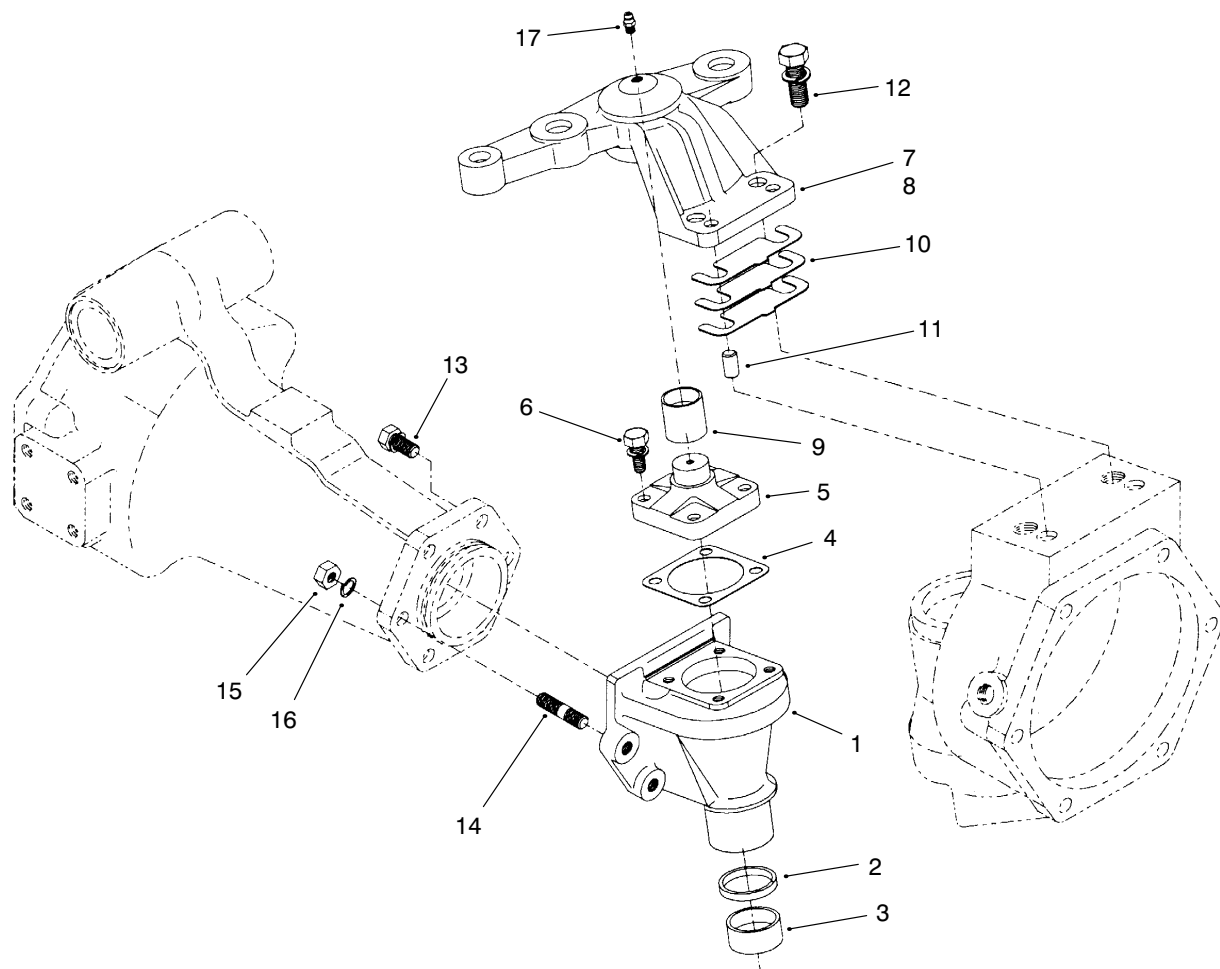
T-3204-1

REAR AXLE ASSEMBLY NO. 95-7500 (Continued)

AXLE SUPPORT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95-7508	Support #1-Axle	1
2	95-7506	Support #2-Axle	1
3	95-7507	O-Ring	1
4	95-7537	Bushing-Flange	2
5	99-7589	Plug	2

Ref. No.	Part No.	Description	No. Used
6	99-7590	Washer-seal	2
7	99-7591	Assembly-Oil Plug	1
8	99-7592	Bolt	8
9	99-7593	O-Ring	2



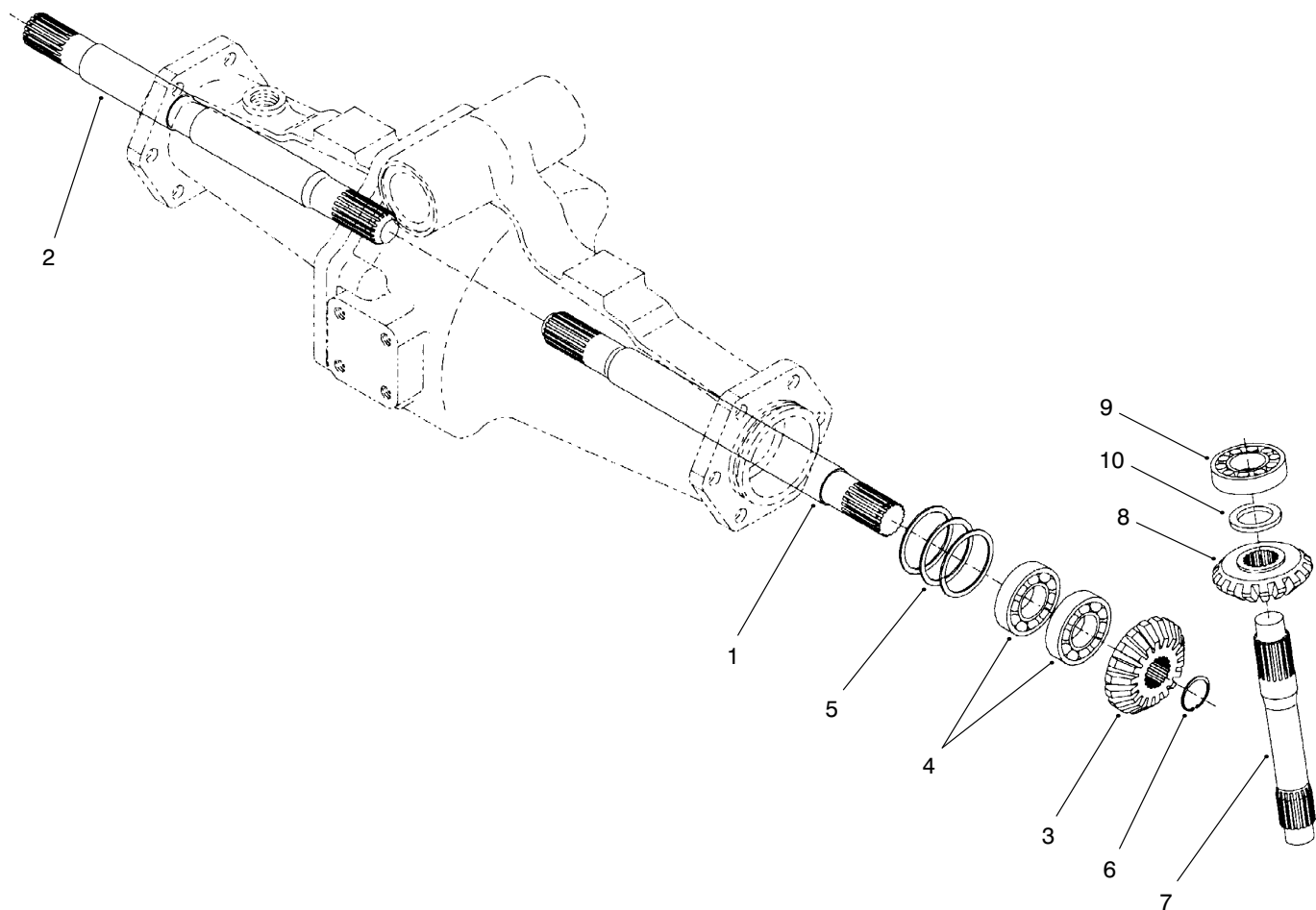
T-3205-1

REAR AXLE ASSEMBLY NO. 95-7500 (Continued) BEVEL GEAR CASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95-7539	Case-Bevel Gear	2
2	100-2557	Seal-Oil	2
3	100-2558	Bushing	2
4	95-7511	Gasket	2
5	95-7510	Pin-Knuckle	2
6	99-7596	Bolt	8
7	95-7513	Support-Axle Case, LH	1
8	95-7515	Support-Axle Case, RH	1
9	99-7529	Bushing	2

Ref. No.	Part No.	Description	No. Used
10	95-7547	Shim-0.1	2
*	95-7548	Shim-0.2	2
*	95-7549	Shim-0.3	2
11	99-7597	Pin-Straight	4
12	99-7598	Bolt	4
13	99-7599	Bolt	8
14	99-7525	Stud	4
15	99-7526	Nut	4
16	99-7527	Washer-Spring	4
17	99-7528	Nipple-Grease	2

*Not Illustrated



T-3206-1

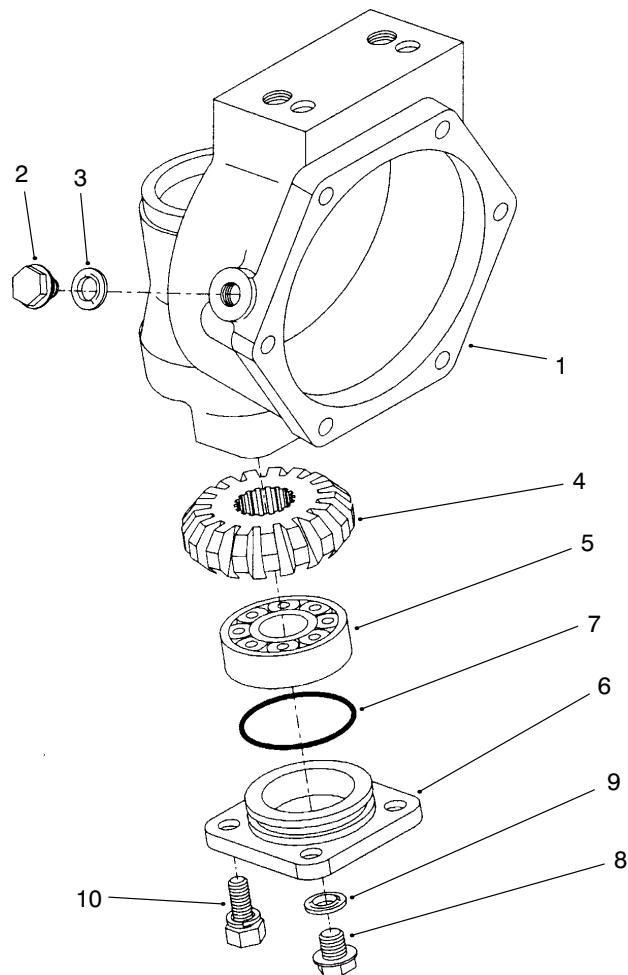
REAR AXLE ASSEMBLY NO. 95-7500 (Continued)

BEVEL GEAR SHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95-7509	Shaft-Differential Gear, LH	1
2	95-7512	Shaft-Differential Gear, RH	1
3	95-7517	Gear-15 Bevel	2
4	99-7530	Bearing-Ball	4
5	99-7552	Shim-0.1	2
*	99-7553	SHim-0.2	2
*	99-7554	Shim-0.5	2

Ref. No.	Part No.	Description	No. Used
6	99-7531	Clip	2
7	95-7529	Shaft-Bevel Gear	2
8	95-7519	Gear-17 Bevel	2
9	99-7532	Bearing-Taper Roller	2
10	99-7558	Collar	2

*Not Illustrated

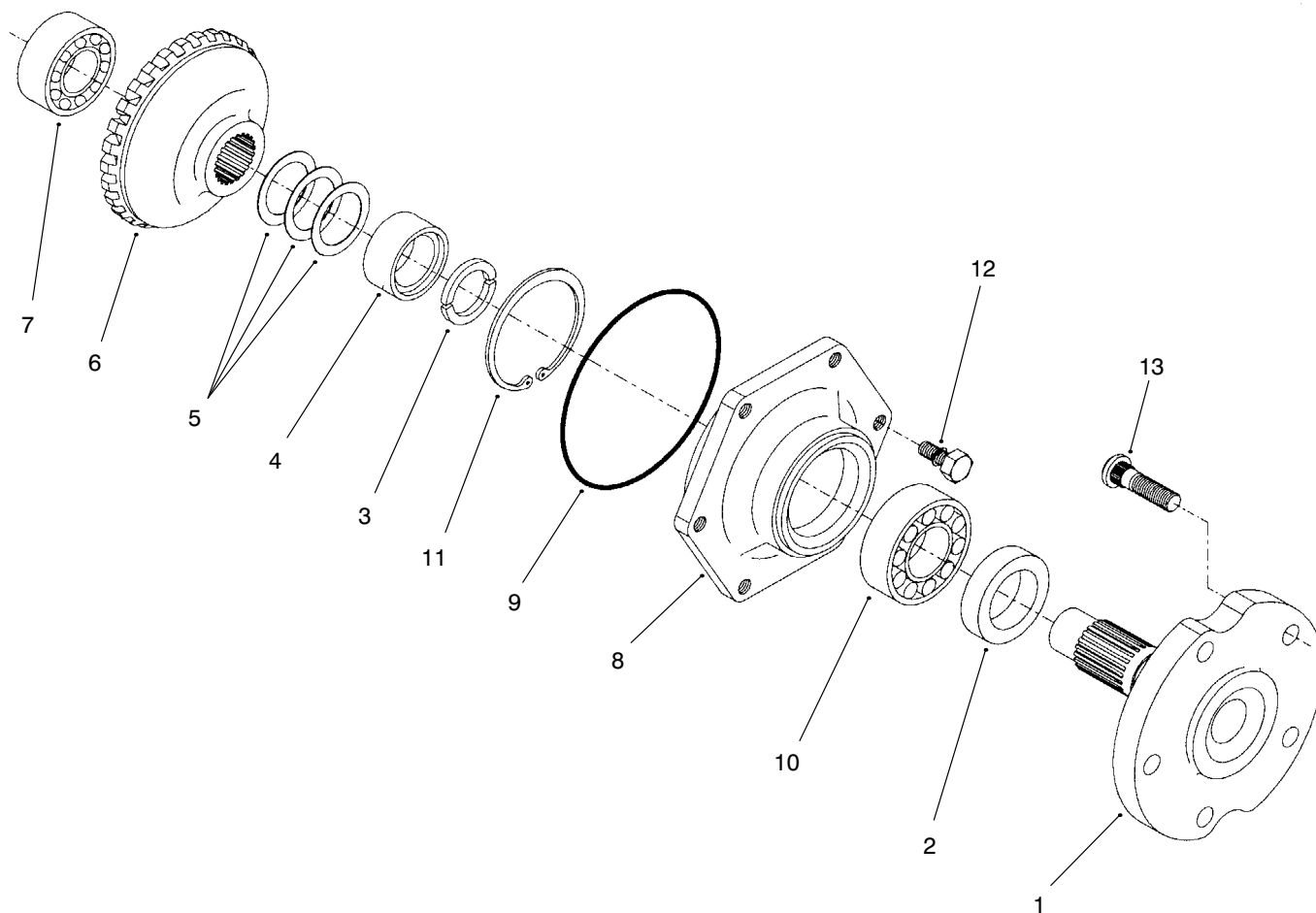


T-3207-1

REAR AXLE ASSEMBLY NO. 95-7500 (Continued) AXLE CASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95-7531	Case-Axle	2
2	99-7535	Plug	2
3	99-7536	Washer-Seal	2
4	95-7527	Gear-17 Bevel	2
5	99-7532	Bearing-Taper Roller	2

Ref. No.	Part No.	Description	No. Used
6	100-2560	Cover-Axle	2
7	100-2561	O-Ring	2
8	99-7589	Plug	2
9	99-7590	Washer-Seal	2
10	100-2562	Bolt	8



T-3108-1

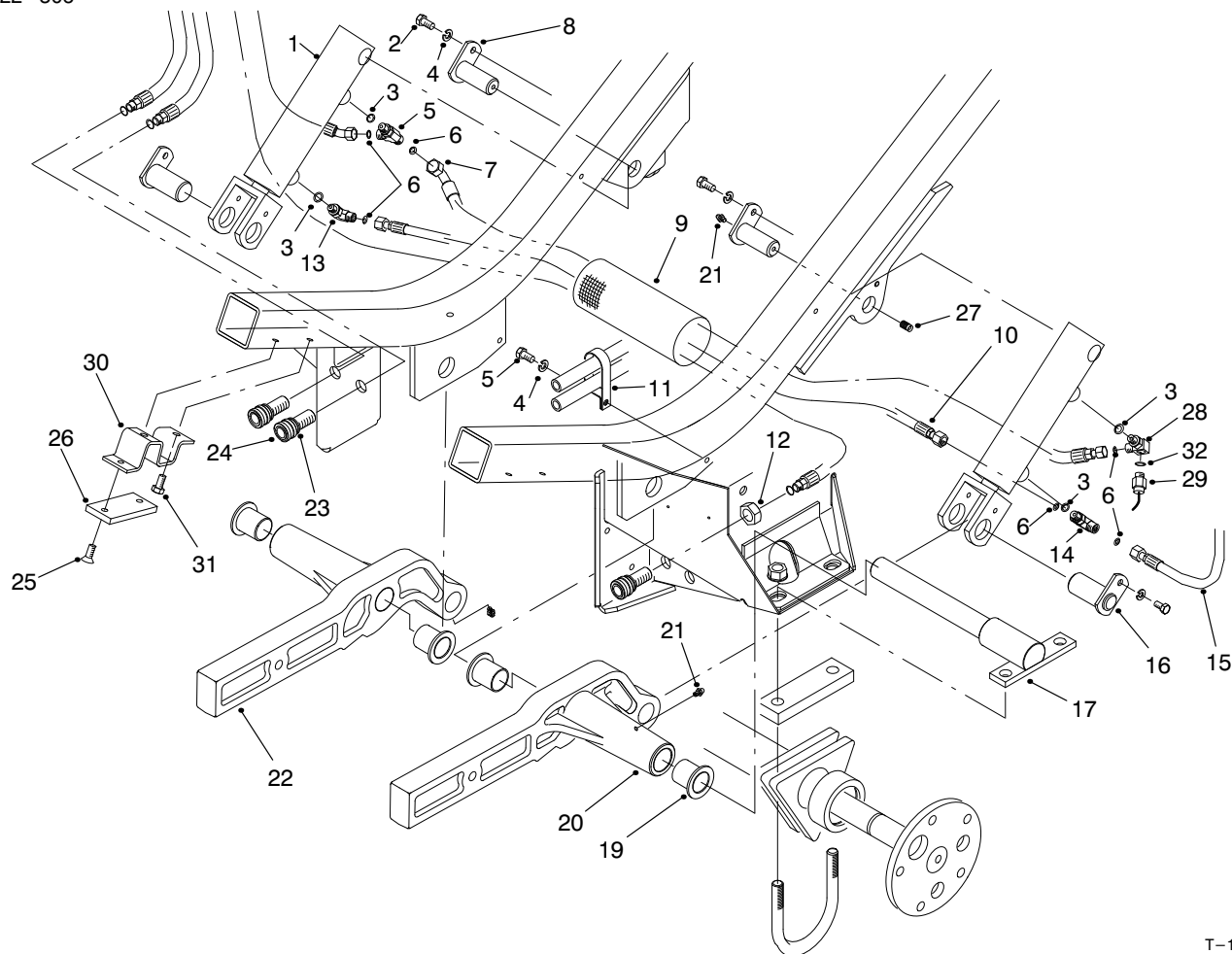
REAR AXLE ASSEMBLY NO. 95-7500 (Continued)

AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95-7522	Axle	2
2	99-7564	Seal-Oil	2
3	95-7544	Clip	4
4	95-7523	Spacer	2
5	99-7555	Shim-0.3	2
*	99-7556	Shim-0.2	2
*	99-7557	Shim-0.5	2
6	95-7524	Gear-29 Bevel	2

Ref. No.	Part No.	Description	No. Used
7	99-7534	Bearing-Double Ball	2
8	95-7521	Cover-Axle	2
9	99-7538	O-Ring	2
10	99-7561	Bearing-Ball	2
11	99-7539	Clip	2
12	99-7596	Bolt	12
13	99-7563	Stud	10

*Not Illustrated

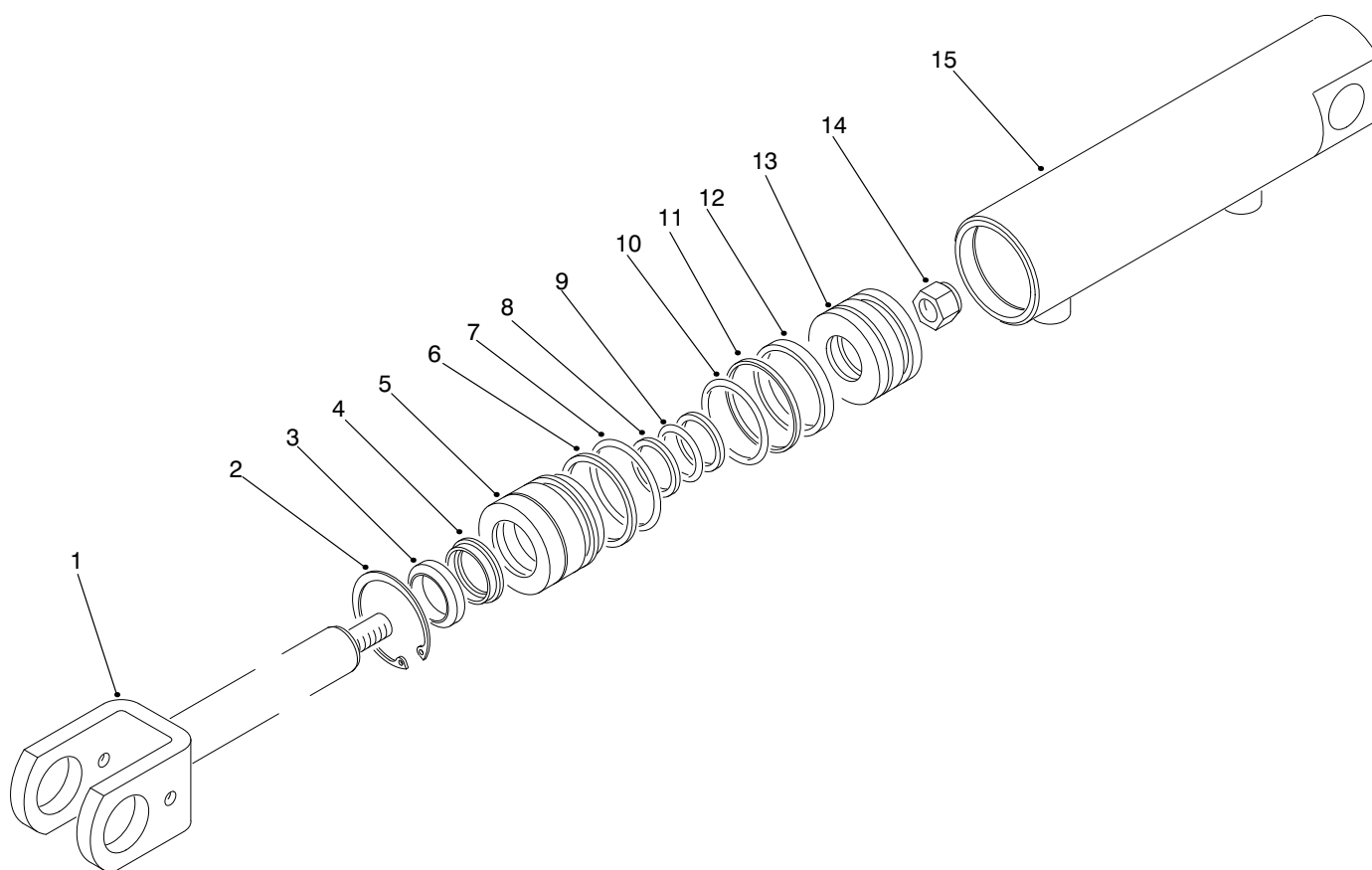


T-1505-3

LIFT ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	86-5580	Cylinder - Hydraulic	2	17	86-2790	Pin - Pivot L.H.	1
2	322-2	Screw - Cap Hex. Hd.	5	*	88-1200	Pin - Pivot R.H.	1
3	237-78	O-Ring	4	19	68-6480	Bushing - Flange	4
4	3253-4	Washer - Lock	5	20	84-0730	Arm - Lift, L.H.	1
5	340-140	Fitting - Hydraulic Tee (Incl. Ref. #3 & 6)	1	21	302-5	Fitting - Grease	6
6	237-21	O-Ring	6	22	86-5890	Arm - Lift, R.H.	1
7	86-3160	Assembly - Hose	1	23	237-79	O-Ring	3
8	84-1350	Pin - Pivot	2	24	86-5450	Coupler - Hydraulic (Incl. Ref. #23)	3
9	70-1380	Sleeve - Protective	1	25	32108-58	Screw - Machine Flat Hd.	4
10	86-3200	Hose Assembly	1	26	69-9300	Pad - Bumper	2
11	2412-137	R-Clamp	1	27	3247-4	Screw - Set	2
12	3220-7	Nut - Jam	3	28	93-7217	Fitting - Hydraulic (Incl. Ref. #3 & 6)	1
13	340-132	Fitting - Hydraulic 90° (Incl. Ref. #3 & 6)	1	29	94-8022	Switch - Pressure (Incl. Ref. #32)	1
14	340-125	Fitting - Hydraulic Tee (Incl. Ref. #3 & 6)	1	30	93-7204	Mount - Pad	2
15	86-3170	Hose Assembly	1	31	32104-6	Screw - Cap Hex.	4
16	88-1190	Pin - Pivot	2	32	237-42	Seal - O-Ring	1

*Not Illustrated

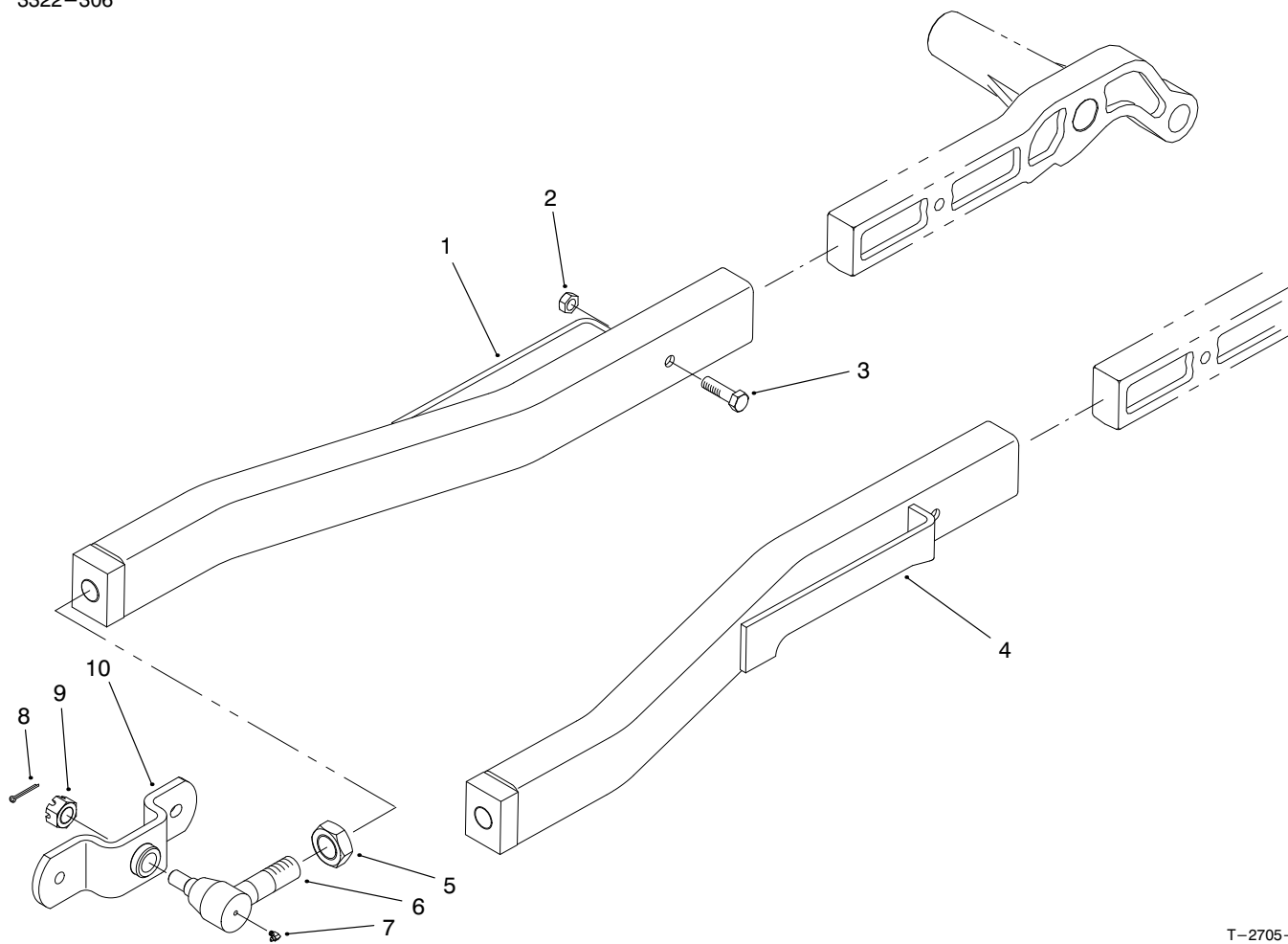


T-1490-1

HYDRAULIC CYLINDER NO. 86-5580

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	88-3620	Assembly - Rod	1	10		O-Ring	1
2		Ring - Retaining	1	11		Ring - Piston, Unithane	1
3		Wiper - Rod	1	12		Ring - Wear	1
4		U-Cup - Loaded	1	13	88-3600	Piston	1
5	88-3630	Head	1	14	88-3590	Nut - Lock	1
6		Ring - Back-Up	1	15	88-3610	Assembly - Barrel	1
7		O-Ring	1	*	88-3640	Kit - Seal	
8		Ring - Back-Up	2			(Incl. Ref. #2-4 & 6-12)	1
9		O-Ring	1				

*Not Illustrated

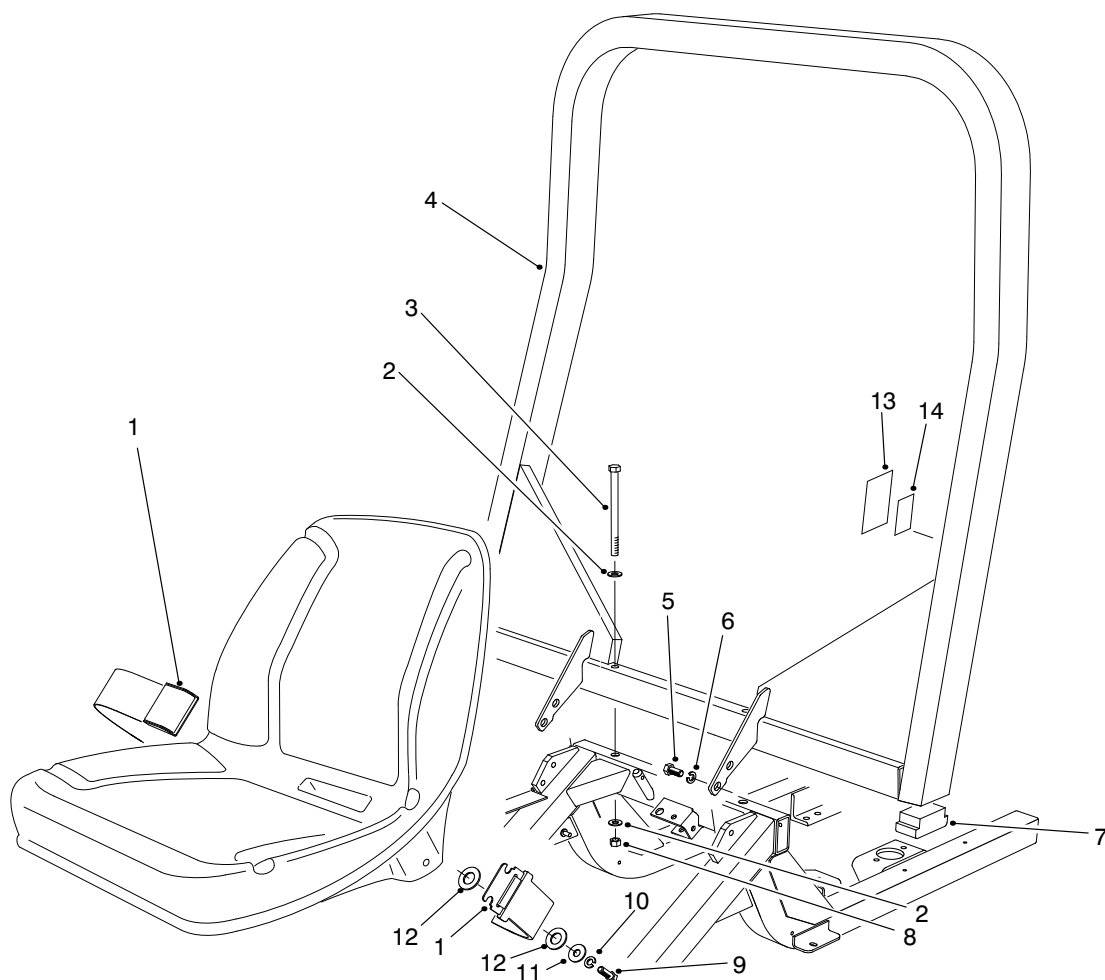


T-2705-1

CARRIER FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	86-2280	Carrier Tube Assembly – RH	1
2	3296-23	Nut – Hex. Lock	2
3	325-11	Screw – HH	2
4	86-2320	Carrier Tube Assembly – LH	1
5	21-3000	Nut – Jam	2

Ref. No.	Part No.	Description	No. Used
6	86-8100	Ball Joint	2
7	302-60	Fitting – Lube	2
8	3272-12	Pin – Cotter	2
9	32136-2	Nut – Hex. Slotted	2
10	69-7290	Ball Joint Mount Assembly	2



T-2249-2

R.O.P.S. ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	21-4191	Seat Belt Assembly	1	9	3212-5	Screw - Cap Hex. Hd.	2
2	3256-26	Washer - Flat	4	10	3253-6	Washer - Lock	2
3	325-33	Screw - Cap Hex. Hd.	2	11	3256-5	Washer - Flat	2
4	76-9370	Bar - R.O.P.S.	1	12	3256-28	Washer - Flat	2
5	325-2	Screw - Cap Hex. Hd.	4	13	92-6073	Decal - Clear	1
6	3253-7	Washer - Lock	4	14	92-2587	Decal - R.O.P.S.	1
7	82-5370	Foam - R.O.P.S. Bar	2	*		Canopy Assembly (Optional)	1
8	3296-25	Nut - Lock	2				

*Not Illustrated

NOTE: When purchasing Canopy assembly or R.O.P.S. assembly in its entirety, order direct from Custom Products PO Box 718 Litchfield, MN 55355

TORO PART NUMBER INDEX

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-1506	Bushing - Flange	3 9 2	56-6710	O-Ring	31 1 4
3-6498	Washer	29 49 2	56-7973	Clamp	33 20 2
5-2512	Bushing - Sleeve	8 19 2	56-7973	Clamp - Tube	10 46 4
10-8110	Washer - Thrust	10 13 1	56-7973	Clamp-Hose	60 58 2
14-0859	Fuel Tank Plate Assembly	21 25 1	57-5420	Screw - Shoulder	24 1 1
14-0949	Battery Base Assembly	35 40 1	57-6380	Screw - Cap Hex. Hd.	35 16 1
20-9500	Washer	11 55 2	58-6290	Poppet Assembly	20 34 3
21-3000	Nut - Jam	72 5 2	58-6310	Spacer	20 28 3
21-4191	Seat Belt Assembly	73 1 1	58-6320	Wiper - Seal	20 24 3
21-9260	Cover - Dust	10 6 1	58-6330	Seat Assy.	20 35 3
23-7270	Nut - Wheel	7 20 10	58-6340	Seal - O-Ring	20 36 3
25-2380	Plate - Thrust	6 10 1	58-6350	Plug Assembly	20 11 3
25-2430	Pin - Straight	6 13 1	58-6370	Washer - Back-Up	20 10 6
27-2360	Switch - Ignition	18 20 1	58-6400	Bushing	20 25 3
27-3710	Dipstick	3 21 1	58-6420	Cap Assembly	20 30 3
28-3380	Plate - Valve	6 1 1	58-6450	Seal - O-Ring	20 12 6
28-3520	O-Ring	32 31 1	58-6460	Ring - Retaining	20 29 3
28-3570	O-Ring	32 11 1	58-6470	Washer	20 18 A/R
29-6163	Switch - Micro	29 26 1	58-6480	Washer	20 19 A/R
31-0390	Washer - Friction	11 56 2	58-6490	Washer	20 20 A/R
37-2690	Capacitor	13 12 1	58-6700	Washer	20 26 3
37-2690	Capacitor	13 41 1	58-6720	Seal - O-Ring	20 7 3
37-8771	Screw - Hex. Washer Hd.	56 23 2	58-6730	Spring	20 27 3
42-9230	Screw - Cap Hex. Hd.	35 18 8	58-6750	Seal - O-Ring	20 17 1
42-9230	Screw - Cap Hex. Hd.	43 38 3	58-6760	Spring	20 3 3
43-8600	Spring - Switch	13 20 1	58-6770	Plunger - Detent	20 4 3
43-8610	Guide	13 19 1	58-6780	Plug Assembly	20 1 3
43-8610	Guide - Spring & Ball	4 50 1	58-6790	Seal - O-Ring	20 5 3
43-8620	Guide - Pin, Switch	13 22 1	59-6430	Valve - Check	11 61 1
43-8860	Plunger - Switch	13 21 1	59-6730	Race-Bearing	12 7 2
43-8870	Boot - Switch	13 11 1	59-6740	Bearing-Needle, Thrust	12 8 1
43-9071	Seat Switch Assembly	13 * 1	59-6820	Centering Spring Kit	12 11 1
44-8320	Spring	28 9 3	59-6830	Kit-Centering Pin	12 20 1
46-0330	Nut-Hex	53 1 2	60-3780	Seal Kit	20 * 1
46-6550	Fitting - Fuel 90°	21 6 2	60-5720	Seal - O-Ring	20 9 6
46-6560	Bushing - Rubber	21 9 2	60-5890	Washer	31 11 1
46-6810	Assy. - Screw & Washer	19 1 4	60-6450	Disc	20 2 A/R
46-6810	Screw - Hex. Washer Hd.	1 3 9	61-2790	Screen	24 3 1
46-8091	Screw - Hex. Washer Hd.	1 14 2	62-7400	Decal - TORO	1 1 1
47-6990	Nut	10 27 1	62-7650	Gasket - Sending Unit	21 28 1
48-1800	Cylinder Block Kit	6 2 1	62-9510	Washer - Brake Lever	37 10 1
48-4590	Horn	13 32 1	63-4090	Fitting - Adapter 90°	19 16 1
48-7081	Sleeve	2 48 2	63-7622	Hose - Fuel	21 22 2
48-7570	Screw - Cap Hex. Hd.	35 23 3	63-7622	Hose - Fuel	36 25 1
48-7610	Screw - Cap Hex. Hd.	35 34 3	63-7622	Hose - Fuel Line	36 17 1
48-7780	Screw - Cap Hex. Hd.	35 32 3	63-7626	Hose - Fuel	21 7 1
48-7810	Screw - Cap Hex. Hd.	35 22 3	63-7627	Hose - Fuel	21 8 1
48-7810	Screw-Mounting	53 5 3	63-7627	Hose - Fuel	36 21 1
48-7840	Screw - Cap Hex. Hd.	35 11 1	63-7880	Latch - Brake	9 16 1
48-7880	Nut - Hex.	16 5 2	63-7900	Rack - Brake	10 37 1
48-7880	Nut - Hex.	17 28 1	63-8360	Key - Ignition	18 5 1
48-7880	Nut - Hex.	36 34 3	63-8410	Washer	29 17 4
48-7890	Nut	17 29 1	63-8410	Washer	9 34 1
48-7890	Nut - Hex.	16 4 1	63-8410	Washer - Flat	24 25 3
48-7930	Nut - Hex.	16 3 1	63-9751	Mount - Linkage Rod	9 10 1
48-7930	Nut - Hex.	36 33 1	63-9751	Mount - Rubber	29 21 4
48-7930	Nut - Hex.	35 45 1	65-5100	Handle - Hood	1 18 1
48-9470	Bolt - Hex. Head	26 11 3	66-1140	Hub	9 32 3
48-9470	Screw - Cap Hex. Hd.	35 12 1	66-1930	Nut-Lock	61 11 1
49-2640	Seal - Shaft	31 10 1	66-1940	Piston	61 4 1
52-9230	Ring-Retaining	12 3 1	66-2490	Clamp - Battery	35 5 1
52-9240	Bushing-Seal, Gland	12 4 1	66-2920	Washer - Nylon	9 39 1
52-9250	Needle Bearing Kit	12 * 1	66-2920	Washer -	17 2 2
52-9260	Screw-Set	12 1 1	66-2940	Gauge - Fuel	18 10 1
52-9270	Seat-Ball, Check	12 24 1	66-6480	Washer	8 6 2
52-9280	Ball-Check	12 22 1	66-8510	Adjuster & Handle	14 16 1
52-9290	Retainer-Check Ball	12 21 1	66-8530	Adjuster	14 21 1
52-9320	Drive	12 15 1	66-8560	Nut - Push	14 2 4
53-9681	Mount - Rubber, Engine	35 9 2	66-8600	Frame - Upper	14 25 1
53-9682	Mount - Rubber, Eng	35 31 1	66-8610	Frame - Lower	14 15 1
53-9682	Mount - Rubber, Engine	35 44 1	66-9290	Spacer - Suspension	14 22 8

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TORO PART NUMBER INDEX (Cont.)

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
66-9303	Screw - Flange Head	26 6 6	74-6620	Insert - Valve (1.975mm)	41 * 8
66-9303	Screw - Hex. Flange Hd.	29 38 6	74-6630	Insert - Valve (2.050mm)	41 * 8
67-7160	Holder - Fuse	17 20 1	74-6640	Insert - Valve (2.125mm)	41 * 8
67-9100	Gasket	6 11 1	74-6650	Insert - Valve (2.225mm)	41 * 8
68-3280	Spring - Seat	15 4 2	74-6660	Insert - Valve (2.250mm)	41 * 8
68-6150	Breather	21 10 2	74-6670	Insert - Valve (2.275mm)	41 * 8
68-6480	Bushing - Flange	70 19 4	74-6680	Insert - Valve (2.300mm)	41 * 8
68-7573	Seal - Shroud	1 10 2	74-6690	Insert - Valve (2.325mm)	41 * 8
68-8080	Wheel - Steering	10 25 1	74-6700	Insert - Valve (2.350mm)	41 * 8
68-9420	Washer - Lock	46 4 6	74-6710	Insert - Valve (2.375mm)	41 * 8
68-9420	Washer - Lock	42 34 3	74-6720	Insert - Valve (2.400mm)	41 13 8
69-0760	Bracket - Armrest L.H.	14 * 1	74-6730	Insert - Valve (2.425mm)	41 * 8
69-0770	Bracket - Armrest R.H.	14 36 1	74-6740	Insert - Valve (2.450mm)	41 * 8
69-1170	Gauge - Sight	24 6 1	74-6750	Insert - Valve (2.475mm)	41 * 8
69-1180	Armrest	14 32 2	74-6760	Insert - Valve (2.500mm)	41 * 8
69-1560	Lever - Lock	10 33 1	74-6770	Insert - Valve (2.525mm)	41 * 8
69-1830	Plug Assembly	20 16 1	74-6780	Insert - Valve (2.550mm)	41 * 8
69-7010	Lever - Valve, L.H.	19 * 1	74-6790	Insert - Valve (2.575mm)	41 * 8
69-7290	Ball Joint Mount Assembly	72 10 2	74-6800	Insert - Valve (2.600mm)	41 * 8
69-8910	Washer - Flat	59 18 1	74-6810	Insert - Valve (2.625mm)	41 * 8
69-9140	Link - Lever, Valve	19 9 3	74-6820	Insert - Valve (2.650mm)	41 * 8
69-9300	Pad - Bumper	70 26 2	74-6830	Insert - Valve (2.675mm)	41 * 8
69-9940	Nut - Jam	7 33 4	74-6840	Insert - Valve (2.700mm)	41 * 8
70-1380	Sleeve - Protective	70 9 1	74-6850	Insert - Valve (2.725mm)	41 * 8
70-1480	Relay	18 26 2	74-6860	Insert - Valve (2.750mm)	41 * 8
70-1480	Relay - SPDT	13 29 1	74-6870	Insert - Valve (2.775mm)	41 * 8
70-1480	Relay - Sealed	17 5 3	74-6880	Insert - Valve (2.800mm)	41 * 8
70-1480	Relay - Starter	21 35 1	74-6890	Insert - Valve (2.825mm)	41 * 8
71-4760	Seal	60 71 2	74-6900	Insert - Valve (2.850mm)	41 * 8
72-0130	Kit - Horn	10 26 1	74-6910	Insert - Valve (2.875mm)	41 * 8
72-4320	Switch - Ball	13 17 1	74-6920	Insert - Valve (2.900mm)	41 * 8
72-4320	Switch - Ball	3 22 1	74-6930	Insert - Valve (2.925mm)	41 * 8
74-0720	Tube - Manual	13 1 1	74-6940	Insert - Valve (2.950mm)	41 * 8
74-3410	Radiator	56 6 1	74-6950	Insert - Valve (2.975mm)	41 * 8
74-3630	Actuator - Brake	7 5 2	74-6960	Insert - Valve (3.000mm)	41 * 8
74-3640	Disc - Brake	7 4 4	74-6970	Insert - Valve (3.025mm)	41 * 8
74-3650	Fan	35 28 1	74-6980	Insert - Valve (3.050mm)	42 13 8
74-3670	Assy. - Column, Steering	10 11 1	74-6990	Insert - Valve (3.075mm)	42 * 8
74-4080	Orifice - Breather	25 46 1	74-7000	Insert - Valve (3.100mm)	42 * 8
74-4090	Tread - Foot Rest	1 29 1	74-7010	Insert - Valve (3.125mm)	42 * 8
74-4980	Shroud - Fan Upper	56 3 1	74-7020	Insert - Valve (3.150mm)	42 * 8
74-4990	Shroud - Fan, Bottom	56 48 1	74-7030	Insert - Valve (3.175mm)	42 * 8
74-5460	Angle Radiator Support	56 42 1	74-7040	Insert - Valve (3.200mm)	42 * 8
74-5470	Mount - Engine	35 10 1	74-7050	Insert - Valve (3.225mm)	42 * 8
74-5480	Cable - Throttle	17 31 1	74-7060	Insert - Valve (3.250mm)	42 * 8
74-5500	Bolt - Wheel	59 41 10	74-7070	Insert - Valve (3.275mm)	42 * 8
74-5520	Clutch - Fan	35 29 1	74-7080	Insert - Valve (3.300mm)	42 * 8
74-5580	Tank - Fuel	21 32 1	74-7090	Insert - Valve (3.325mm)	42 * 8
74-5700	Bearing - Needle	59 17 1	74-7100	Insert - Valve (3.350mm)	42 * 8
74-5760	PCV Valve	38 46 1	74-7110	Insert - Valve (3.375mm)	42 * 8
74-5770	Lever - Shift	10 15 1	74-7120	Insert - Valve (3.400mm)	42 * 8
74-5790	Shaft - Pivot	10 17 1	74-7130	Insert - Valve (3.425mm)	42 * 8
74-5860	Sending Unit - Fuel	21 29 1	74-7140	Insert - Valve (3.450mm)	42 * 8
74-5910	Fitting - Bulkhead, Special	19 27 1	74-7150	Insert - Valve (3.475mm)	42 * 8
74-6020	Hose - Radiator, Lower	37 3 1	74-7160	Insert - Valve (3.500mm)	42 * 8
74-6020	Hose - Radiator, Lower	56 47 1	74-7170	Insert - Valve (3.550mm)	42 * 8
74-6050	Lever - Valve, Center	19 * 1	74-7180	Insert - Valve (3.625mm)	42 * 8
74-6060	Lever - Valve, R.H.	19 12 1	74-7190	Insert - Valve (3.700mm)	42 * 8
74-6110	Stop - Pedal	9 38 1	74-7200	Insert - Valve (3.775mm)	42 * 8
74-6230	Assy. - Tube, Traction	24 41 1	74-7210	Insert - Valve (3.850mm)	42 * 8
74-6400	Assembly - Tube	56 31 1	74-7220	Insert - Valve (3.925mm)	42 * 8
74-6400	Assembly - Tube, Filter Line	24 12 1	74-7230	Insert - Valve (4.000mm)	42 * 8
74-6490	Hose - Water Line	37 15 2	74-7240	Collar - Split	41 12 16
74-6540	Tappet - Valve	42 14 8	74-7260	Bolt - Head	42 29 10
74-6550	Cup - Upper Valve Spring	41 11 8	74-7270	Washer - Flat	42 28 10
74-6560	Spring - Valve	41 10 8	74-7300	Pan - Oil	38 23 1
74-6570	Cup - Lower Valve Spring	41 9 8	74-7310	Plug - Threaded	38 20 1
74-6580	Insert - Valve (1.650mm)	41 13 8	74-7320	Gasket	38 19 1
74-6590	Insert - Valve (1.725mm)	41 * 8	74-7330	Screw - Cap Hex. Hd.	38 25 23
74-6600	Insert - Valve (1.800mm)	41 * 8	74-7380	Gasket - Oil Pan	38 21 1
74-6610	Insert - Valve (1.900mm)	41 * 8	74-7400	Tube	43 41 1

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Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
74-7420	Ball	43	45	4	74-8750	Pipe	51	12	1
74-7430	Chamber - Turbulence	43	46	4	74-8770	Plug	51	10	1
74-7440	Chamber - Turbulence	43	*	4	74-8830	Belt	44	18	1
74-7450	Seat - Intake Valve	43	48	4	74-8870	Gasket	50	21	2
74-7460	Seat - Intake Valve	43	*	4	74-8900	Washer - Flat	41	7	6
74-7480	Valve - Intake	43	49	4	74-8910	Bracket - Horn	13	33	1
74-7560	Washer - Spring	42	16	3	74-9080	Cable - Battery Pos.	35	1	1
74-7600	Plug	41	4	4	74-9090	Cable - Battery Neg.	35	*	1
74-7630	Gasket - Valve Cover	42	18	1	74-9100	Pad - Forward Pedal	9	7	1
74-7640	Cover - Valve	42	19	1	74-9110	Pad - Reverse Pedal	9	9	1
74-7650	Washer - Flat	42	20	3	74-9122	Hose - Vent	21	17	1
74-7670	Head Bolt & Washer Set	43	*	1	74-9480	Seal - Lip	6	6	1
74-7770	Hose - Crankcase	38	11	1	74-9500	Screw - Cap Hex. Hd.	6	16	4
74-7780	Gasket	38	12	1	74-9510	Washer - Flat	6	15	1
74-7790	Screw	38	13	1	75-0140	Spring - Conical	32	5	2
74-7800	Pin	38	14	2	75-0240	O-Ring	32	4	2
74-7810	Gasket - Plate	38	15	1	75-0400	Plate - Thrust	32	37	1
74-7820	Plate	38	16	1	75-0470	Kit - Cylinder Block	32	38	1
74-7840	Plug	43	42	2	75-0480	Pin	32	15	2
74-7840	Plug - 27 mm Dia.	38	18	8	75-0500	Bearing - Needle	32	13	1
74-7840	Plug - 27 mm Dia.	42	33	2	75-0510	Pin	32	40	1
74-7850	Gasket	38	24	2	75-0550	Strainer - Tank	24	23	1
74-7860	Gasket Set	38	*	1	75-2080	Seal Kit	19	*	1
74-7930	Screw - Bearing Cap	38	27	10	75-5470	Washer	30	53	5
74-7940	Bushing - Spring	38	28	1	75-6820	Hour Meter	21	42	1
74-7950	Screw - Plate	38	29	6	76-1910	Shaft - Pivot	14	3	2
74-7960	Stud - Filter	38	30	1	76-1920	Bearing - Sleeve	14	14	4
74-7970	Filter - Oil	38	31	1	76-1930	Knob - Adjustment	14	27	1
74-7990	Pin	39	16	1	76-1940	Spring - Extension	14	1	2
74-7990	Pin - Spring	38	33	4	76-2940	Bumper	14	9	2
74-8000	Plug	38	34	2	76-4120	Mount - Engine	35	21	1
74-8010	Guide - Dipstick	38	35	1	76-4180	Boot - Brake Rod	8	15	2
74-8030	Pin - Spring	38	37	1	76-4220	Mount - Engine	35	30	1
74-8040	Plug - Drain	38	38	1	76-4240	Plate - Adapter	7	2	2
74-8080	Washer	39	2	1	76-4300	Lever - Throttle	17	26	1
74-8100	Gear - Pinion	39	4	1	76-4310	Support - Base, Battery	35	38	1
74-8110	Sprocket - Oil Pump	39	5	1	76-4910	Stud	50	26	3
74-8120	Key - Woodruff	39	6	2	76-4930	Washer	50	5	3
74-8140	Cover	39	9	1	76-4940	Gear - Pump, Injection	50	2	1
74-8150	Gasket - Cover	39	10	1	76-4950	Nut	50	1	1
74-8170	Bearing Set (Std.) Set of 10	39	12	1	76-4990	Bracket	52	15	1
74-8180	Bearing Set (.30mm OS)	39	*	1	76-5000	Screw	52	9	1
74-8200	Thrust Bearing Set	39	*	2	76-5010	Washer	44	23	3
74-8210	Thrust Bearing Set	39	*	2	76-5010	Washer - Spring	52	2	1
74-8220	Thrust Bearing Set	39	*	2	76-5010	Washer - Spring	47	7	5
74-8230	Crankshaft	39	14	1	76-5060	Screw	52	1	1
74-8240	Seal	39	15	1	76-5070	Oil Pump Assembly	47	1	1
74-8260	Flywheel	40	34	1	76-5090	Spring - Piston	47	3	1
74-8270	Pin	39	18	3	76-5100	Bolt - Shoulder	47	5	1
74-8280	Screw - Cap Hex. Hd.	39	19	8	76-5130	Stud	41	6	6
74-8290	Seal - #1 Bearing Cap	39	20	2	76-5170	Chain - Pump Drive	47	13	1
74-8300	Clip - Piston Pin	39	21	8	76-5180	Washer - Copper	22	1	4
74-8310	Pin - Piston	39	22	4	76-5190	Fitting - Adjustable	22	2	2
74-8320	Piston Ring Set - 0.20 mm	39	*	4	76-5220	Element - Filter	22	5	1
74-8330	Piston Ring Set - 0.50 mm	39	*	4	76-5260	Relay - Glow Plug	54	1	1
74-8340	Piston Ring Set - 0.80 mm	39	*	4	76-5260	Relay - Glow Plug	17	15	1
74-8360	Rod - Connecting, Set of 4	39	25	1	76-5290	Washer - Spring	54	4	4
74-8380	Bearing - Connecting Rod	39	27	1	76-5300	Fuel Filter Assembly	21	23	1
74-8390	Bearing - Connecting Rod	39	*	1	76-5310	Washer - E.T.L.W.	54	7	1
74-8400	Bolt - Connecting Rod	39	28	8	76-5320	Water Sensor Assembly	22	9	1
74-8420	Piston Set - Stage #1	40	29	1	76-5470	Screw	42	17	2
74-8430	Piston Set - Stage #2	40	*	1	76-5500	Screw	49	6	5
74-8440	Piston Set - Stage #3	40	*	1	76-5520	Holder - Injector	51	5	4
74-8610	Pin	50	7	2	76-5530	Gasket - Injector	51	3	4
74-8610	Pin	52	8	2	76-5540	Plug	51	2	4
74-8630	Bushing - Flange	50	8	1	76-5570	Washer - Lock	53	2	2
74-8650	Journal	50	12	1	76-5590	Sleeve - Spring	53	4	1
74-8680	Gasket	50	14	2	76-5600	Injector	51	9	4
74-8690	Union - Inlet	50	13	1	76-5610	Pinion - Output	5	1	1
74-8710	Washer	50	16	1	76-5630	Gear - Spur	5	3	1
74-8710	Washer - E.T.L.W.	54	9	1	76-5640	Gasket	5	4	1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
76-5650	Washer - Thrust	5 8A 3	76-9480	Sleeve - Pivot, Seal	13 35 2
76-5660	Pin-Dowel	5 6 2	76-9590	Hose-Hydraulic	59 10 2
76-5670	Seal-Oil	5 7 2	76-9680	Bearing Housing Assembly	9 18 1
76-5680	Shim - Orange .126/.123	5 52 A/R	76-9690	Rod - Brake	8 3 2
76-5680	Washer - Thrust	5 8 1	76-9690	Rod - Brake Linkage	9 4 2
76-5690	Washer - Thrust	5 9 2	76-9700	Cover - Tower	1 2 1
76-5700	Bearing-Thrust	5 10 1	76-9760	Pivot - Damper	30 63 1
76-5710	Plug-Magnetic - Drain	5 11 1	76-9790	Foam - Fuel Tank	21 2 1
76-5720	Screw - Hex Hd.	5 12 13	76-9930	Foam - Seat Plate Rear	13 7 1
76-5740	Shim - Lt. Grn. .123/.120	5 * A/R	76-9950	Bracket - Ring	24 43 4
76-5760	Cover Assembly	5 16 1	76-9970	Valve - 4 WD	33 22 1
76-5780	Gear - Spur	5 18 1	77-2870	Hanger - Spring	14 24 1
76-5820	Screw - Hex Flanged Hd.	5 22 1	77-3300	Stud	46 1 6
76-5830	Ball - Steel	5 23 1	77-3310	Gasket	46 2 2
76-5840	Spring - Shifter Fork	5 24 1	77-3320	Nut - Hex	46 5 6
76-5850	Seal - Oil	5 25 1	77-3340	Manifold - Exhaust	46 3 1
76-5860	Bearing - Needle	5 26 2	77-3400	Camshaft	44 5 1
76-5870	Bearing - Needle	5 27 3	77-3420	Gasket	44 3 1
76-5890	Ring - Retaining	5 30 2	77-3450	Washer	44 2 2
76-5900	Fork - Shift	5 35 1	77-3470	Screw	47 10 1
76-5960	Carrier	5 41 1	77-3490	Screw	47 11 1
76-5980	Screw - Hex Flanged Hd.	5 43 6	77-3510	Spring	44 14 1
76-5990	Carrier - Differential	5 45 1	77-3520	Cup	44 13 1
76-6010	Spacer	5 49 2	77-3600	Shield - Adapter	35 35 1
76-6010	Spacer - Transaxle	7 1 2	77-3620	Retainer - Cover	56 16 4
76-6030	Seal - Oil	5 51 1	77-3640	Bearing	6 12 1
76-6040	Plug - Pipe	5 14 2	77-3700	Gasket - Muffler, Exhaust	37 18 1
76-6040	Plug - Pipe	3 41 1	77-3780	Pin - Lynch	13 4 1
76-6270	Foam - Panel	19 3 1	77-3790	Plug - Drain	38 26 1
76-6300	Gerotor	12 16 1	77-3970	Spacer - Relay	17 13 1
76-6320	Spacer	12 17 1	77-4260	Link - Shift	3 6 1
76-6360	Strip - Seal	1 11 2	80-7730	Spacer	13 25 2
76-6361	Strip - Seal	2 49 1	80-7730	Spacer	1 27 1
76-6380	Strip - Seal Access Panel	2 41 1	80-7730	Spacer	30 65 3
76-6381	Seal - Strip	56 36 2	80-8660	Spacer	60 59 1
76-6382	Seal - Strip	56 37 2	82-3660	Bracket - Cover	21 39 1
76-6600	Pipe - Stand	21 4 1	82-3700	Reservoir - Hydraulic	24 4 1
76-6610	Clevis - Brake	8 17 2	82-3740	Oil Cooler Assembly	56 14 1
76-6910	Rotating Assembly	62 14 1	82-3750	Cover - Console	18 21 1
76-6950	Race - Thrust	62 9 1	82-4900	Foam - Seat Front	13 8 1
76-6960	Bearing - Thrust	62 10 1	82-4950	Plunger - Spring	10 14 1
76-6970	Insert - Camplate	62 5 1	82-4960	Pad - Brake	9 15 2
76-6980	O-Ring	62 3 1	82-4970	Ring - Retaining	6 17 1
76-7000	Ring - Retaining	62 8 2	82-4990	Housing - Fixed	6 9 1
76-7010	Ring - Retaining	62 13 1	82-5180	Control - Pump	29 20 1
76-7040	Pad - Foot	19 38 1	82-5190	Shaft - Traction Pedal	9 8 1
76-7090	Cover - Front, Control	19 2 1	82-5280	Shaft - Pivot	29 28 1
76-8140	Bracket - Steering	10 7 1	82-5300	Support - Heel	19 39 1
76-8150	Support - Shaft, Steering	11 58 1	82-5370	Foam - R.O.P.S. Bar	73 7 2
76-8160	Support - Steering	10 8 1	82-5380	Shim - Pinion .045	3 39 1
76-8270	Pin - Brake	8 14 2	82-5390	Shim - Pinion .038	3 * 1
76-8300	Cover - Housing, Axle	7 8 2	82-5400	Shim - Pinion .052	3 * 1
76-8340	Shaft - Pivot, Steering	11 57 1	83-1470	Washer - Neoprene	2 51 2
76-8440	Boot - Throttle	17 16 1	83-2280	Timer - Delay	17 6 1
76-8450	Boot - Lift Lever	17 3 1	84-0080	Spiral Gear Set (Matched)	5 * 1
76-8640	Stud - Traction	29 50 1	84-0090	Shim - Lt. Blue .120/.117	5 * A/R
76-8750	Plate - Caution	56 4 1	84-0130	Shim - Pink .129/.126	5 * A/R
76-8870	Assy. - Damper, Lever	29 3 1	84-0140	Shim - Black .132/.129	5 * A/R
76-9030	Bearing Housing Assembly	9 30 1	84-0170	Pulley - P.T.O.	29 44 1
76-9050	Rod - Brake, Parking	10 42 1	84-0180	Pulley - Lower	26 17 1
76-9060	Gauge - Temperature	18 9 1	84-0210	Gasket - End Cap	32 14 1
76-9100	Spacer	3 2 2	84-0240	Housing - Pump	32 33 1
76-9100	Spacer	10 22 1	84-0250	Swash Plate - Variable	32 36 1
76-9290	Bracket-Bulkhead	59 3 1	84-0260	Bearing - Roller	32 21 4
76-9300	Fender L.H.	2 37 1	84-0270	Spacer - Trunnion	32 19 4
76-9340	Fender R.H.	2 * 1	84-0280	Plate - Valve R.H.	32 39 1
76-9370	Bar - R.O.P.S.	73 4 1	84-0300	Shaft - Pump	32 26 1
76-9430	Spring - Extension	29 12 1	84-0310	Bearing - Ball	32 27 1
76-9440	Rod - Seat Prop	13 9 1	84-0320	Ring - Retaining	32 28 1
76-9450	Boot - Column, Steering	10 29 1	84-0330	Screw - Cap Hex. Hd.	32 25 8
76-9460	Plate - Seat	13 3 1	84-0360	Washer	32 24 8

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
84-0380	Ring - Retaining Internal	32 32 2	86-3150	Assembly - Hose	24 38 1
84-0400	Seal - Lip	32 29 1	86-3150	Assembly - Hose	33 39 1
84-0410	Carrier - Seal	32 30 1	86-3160	Assembly - Hose	70 7 1
84-0430	O-Ring	32 18 4	86-3170	Hose Assembly	70 15 1
84-0440	Cover - Trunnion	32 17 2	86-3180	Assembly - Hose	19 24 1
84-0450	Cover - Trunnion	32 35 1	86-3190	Assembly - Hose	19 23 2
84-0460	Screw	32 16 8	86-3200	Hose Assembly	70 10 1
84-0470	Seal - Lip	32 34 2	86-3210	Assembly - Hose	11 51 1
84-0480	Poppet - Charge Relief	32 8 1	86-3220	Assembly - Hose	10 2 2
84-0490	Spring - Compression	32 9 1	86-3230	Assembly - Hose	19 32 1
84-0500	Assy. - Charge Relief Plug	32 12 1	86-5420	Spacer - Rod, Shift	3 8 1
84-0550	Ring - Retaining	32 6 2	86-5430	Plate - Skid	7 26 1
84-0570	Shim - Trunnion Kit	32 20 4	86-5440	Valve - Relief, Dual	19 36 1
84-0680	Link - Shift	10 30 1	86-5450	Coupler - Hydraulic	70 24 3
84-0690	Rod - Shift	3 5 1	86-5470	Harness - Front	16 1 1
84-0700	Rod - Shift	3 11 1	86-5480	Fitting - Diagnostic	33 45 2
84-0720	Valve - Velocity	33 29 1	86-5500	Assembly - Hose	24 20 1
84-0730	Arm - Lift, L.H.	70 20 1	86-5500	Assembly - Hose	33 38 1
84-0750	Housing - Bearing	29 32 1	86-5570	Assembly - Hose	10 1 1
84-0760	Adapter - Pump to Engine	35 24 1	86-5570	Hose Assembly	33 42 1
84-0940	Assy. - Brake Linkage Arm	8 1 1	86-5580	Cylinder - Hydraulic	70 1 2
84-0970	Assy. - Brake Linkage Arm	8 11 1	86-5590	Assembly - Pump	29 7 1
84-0990	Pin - Pivot	8 20 2	86-5620	Bearing	26 4 1
84-1030	Driveshaft	29 43 1	86-5730	Assy. - Tube, R.H. Front	10 43 1
84-1080	Frame Assembly	1 6 1	86-5740	Assy. - Tube, L.H. Front	10 44 1
84-1320	Shaft - P.T.O.	26 5 1	86-5750	Assy. - Tube, Drain	3 23 1
84-1330	Hub - Splined	29 41 1	86-5750	Tube Assembly	25 50 1
84-1350	Pin - Pivot	70 8 2	86-5760	Assy. - Tube, Deck Return	19 33 1
84-1380	Anchor - Spring	29 10 1	86-5770	Assy. Tube, Relief Valve	19 28 1
84-1410	Adapter - Clutch	26 13 1	86-5770	Tube Assembly - Relief	25 52 1
84-1440	Plate - Adapter	35 33 1	86-5780	Tube Assembly RH Rear	60 52 1
84-1460	Decal - GM 455D	1 20 2	86-5790	Tube Assembly LH Rear	60 51 1
84-1480	Hose - Dampener	29 13 1	86-5810	Assembly - Tube	33 41 1
84-1540	Key	26 18 1	86-5810	Assembly - Tube	25 49 1
84-1550	Mount - Rubber	26 22 5	86-5830	Spring - Compression	8 5 2
84-1560	Washer - Thrust	26 26 4	86-5840	Plate - Spring	8 4 2
84-1570	Spacer	58 1 2	86-5860	Nipple	24 18 1
84-1570	Spacer	26 21 1	86-5860	Nipple	3 35 2
84-1580	Washer - Clutch	26 38 1	86-5890	Arm - Lift, R.H.	70 22 1
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84-1600	Bracket - Support, Trans.	3 13 1	86-5910	Tire	59 37 2
84-1610	Support - Rod, Shift	3 10 1	86-5940	Spacer - Bearing	29 33 1
84-1620	Plate - Support, Axle	7 10 2	86-7470	Diode	16 7 4
84-6402	Orifice	19 26 1	86-8100	Ball Joint	72 6 2
84-6420	Plunger	20 37 2	87-5100	Washer - Flat	35 14 4
84-6430	Plunger	20 31 1	87-6270	Socket - Light	18 *25 4
85-4980	Switch - Toggle	18 17 1	87-9400	Valve - Vacuator	55 5 1
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86-1160	Kit - Universal	27 2 2	88-1150	Spacer - Clutch	26 33 1
86-1170	Shaft - Slip Yoke	27 3 1	88-1160	Rod - Traction Linkage	9 11 1
86-1180	Tube - Slip Yoke	27 4 1	88-1170	Belt - Matched Set	26 19 1
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86-2280	Carrier Tube Assembly - RH	72 1 1	88-1220	Plate	58 2 2
86-2320	Carrier Tube Assembly - LH	72 4 1	88-1280	Cover - Belt, Lower	26 35 1
86-2501	Orifice	19 22 2	88-1290	Bracket - Rod, Seat	33 16 1
86-2710	Assembly - Hose, Rear	33 26 1	88-1300	Cover - Seat Front	2 40 1
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86-2770	Assembly - Tube, Traction	33 24 1	88-1360	Washer	56 34 2
86-2770	Assembly - Tube	60 62 1	88-1360	Washer - Rear Weight	58 3 6
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86-2860	Cover - Belt, Upper	13 34 1	88-1440	Washer - Lock	29 47 1
86-2990	Mount - Throttle Cable	36 35 2	88-1450	Nut - Lock, Bearing	26 30 1
86-3010	Filter - Transmission	24 16 1	88-1460	Washer - Lock	26 32 1
86-3020	Wire - Neutral, Switch	29 23 1	88-1470	Plate - Control, Pump	29 22 1
86-3040	Coupling - Rubber	29 39 2	88-1510	Screw - Special	26 23 1
86-3040	Flange - Rubber	26 40 1	88-1520	Cartridge - Relief	19 41 1
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88-3610	Assembly - Barrel	71 15 1	92-7791	Seal - Valve	43 52 8
88-3620	Assembly - Rod	71 1 1	92-7792	Guide - Valve (14.29mm)	43 47 8
88-3630	Head	71 5 1	92-7793	Guide - Valve (14.59mm)	43 * 8
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88-7200	Washer - Flat	59 30 1	92-7795	Seat - Exhaust Valve	43 51 4
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92-0639	Case Assembly	5 15 1	92-9706	Spacer - Axle Shaft	7 22 2
92-0640	Bearing - Needle	5 28 1	92-9708	Collar - Bearing	7 12 2
92-0641	Shaft - Counter	5 20 1	92-9709	Spacer - Bearing	7 14 2
92-0642	Gear - Output	5 17 1	92-9710	Bearing - Ball	7 13 2
92-0644	Gear - Cluster	5 19 1	92-9711	Weight - Rear	56 35 1
92-0645	Shaft & Gear - Shifter	5 21 1	92-9712	Seal - V-Ring	7 23 2
92-0646	Bearing - Ball	5 42 2	92-9714	Axle Assembly	7 16 2
92-0647	Rod - Shift (High-Low)	5 36 1	92-9729	Valve - Control, Steering	11 59 1
92-1180	Seat Assembly	15 1 1	92-9730	Cap - End	12 18 1
92-1180	Seat Assembly	14 5 1	92-9732	Plate - Wear	12 14 1
92-1351	Plug - Pulley	30 66 1	92-9736	Screw - Cap	12 19 7
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92-1353	Shim	32 10 1	92-9749	Seal Kit	12 * 1
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92-1365	Plunger - Switch	4 47 1	93-5398	Screw - Cap Hex. Hd.	35 25 2
92-1366	Spring - Compression	4 51 1	93-5835	Screw - Purge	50 28 1
92-1367	Arm - Traction Linkage	9 13 1	93-5856	Valve - Solenoid	50 17 1
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92-5828	Assembly - Hose	33 25 1	93-7244	Bracket - Support	56 27 1
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92-5838	Ball Joint	60 65 1	93-7483	Light - Warning Bank	18 8 1
92-5839	Ball Joint	59 44 1	93-7484	Light - Warning Bank	18 11 1
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92-7774	Stud	7 28 4	93-9416	Panel - Gauge	18 2 1
92-7775	Link	7 29 4	93-9420	Decal - Fuel	21 12 1
92-7776	Spring - Extension	7 30 4	93-9422	Panel - Console	17 17 1
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94-2812	Grommet	37 7 1	94-3172	Washer	44 19 3
94-2814	Kit - Exhaust Coupler	37 1 1	94-3173	Screw	44 22 3
94-2815	Sleeve - Exhaust Flange	37 2 1	94-3174	Washer	42 27 8
94-3011	Plug	31 12 1	94-3176	Gear - Oil Pump	47 2 1
94-3100	Short Block Assembly	38 36 1	94-3177	Plug	47 12 2
94-3103	Plug - Threaded	38 44 1	94-3178	Strainer	47 9 1
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94-3108	Plug - 27.5 mm Dia.	42 * 2	94-3182	Plug	38 2 1
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94-3115	Nut - Lock	41 8 6	94-3196	Inlet - Water	42 31 1
94-3116	Gasket	41 3 1	94-3197	O-Ring	49 3 1
94-3117	Plate	41 2 1	94-3197	O-Ring	42 30 1
94-3118	Plug	42 32 1	94-3198	Screw	49 8 2
94-3119	Kit - Gasket	43 * 1	94-3198	Screw	42 35 2
94-3120	Bracket	43 54 1	94-3199	Pipe - By-Pass	43 39 1
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94-3123	Screw - Cap Hex. Hd.	41 1 2	94-3207	Ring	48 4 1
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94-3129	Plug	45 4 1	94-3215	Manifold - Intake	46 6 1
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94-3134	Nut	45 8 1	94-3221	Screw	50 11 1
94-3135	Bracket - Lifting	42 15 1	94-3222	Key	50 20 1
94-3136	Bracket - Lifting	42 23 1	94-3223	Screw	50 25 1
94-3137	Bracket - Lifting	42 25 1	94-3224	Washer - Flat	50 9 2
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94-3139	Screw	42 26 1	94-3226	Gasket - Injector	51 4 4
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94-3148	Seal - Shaft	39 11 1	94-3230	Hose	51 1 1
94-3149	Gear - Flywheel	39 17 1	94-3231	Bracket	51 13 2
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94-3247	Washer - 1.45 mm	51 * 4	94-9984	Sensor - Water Level	36 23 1
94-3248	Washer - 1.48 mm	51 * 4	94-9994	Gasket	44 27 1
94-3249	Tube - Outlet	50 22 1	95-1821	Spring	10 40 1
94-3250	Screw - Connection	50 23 1	95-4351	Plate - Pivot	30 61 1
94-3251	Nut	50 15 1	95-4352	Bracket - Neutral	30 60 1
94-3251	Nut - Lock	54 8 1	95-4354	Assembly - Hose	19 18 1
94-3252	Alternator	52 12 1	95-4354	Hose Assembly	33 44 1
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94-3256	Belt	52 5 1	95-4365	Asm. - Gear, Drive	31 3 1
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94-3262	Nut	52 10 1	95-4370	Screw - Cap	31 9 8
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94-5608	Mount - Rubber	37 11 1	95-4393	Gear-Driver	59 28 1
94-5609	Cover Asm - Hood, Lower	1 31 1	95-7500	Axle-4wd	59 36 1
94-5612	Screen Assembly	56 15 1	95-7502	Case-Differential	64 3 1
94-5613	Stop - Rubber	1 17 2	95-7503	Differential Assembly	64 1 1
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94-5615	Bracket - Return Hose	35 43 1	95-7507	O-Ring	65 3 1
94-5616	Seal - Hood	56 9 1	95-7508	Support #1-Axle	65 1 1
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94-5618	Trim - Fire Wall	1 15 1	95-7510	Pin-Knuckle	66 5 2
94-5621	Bracket Assembly - Screen	56 10 1	95-7511	Gasket	66 4 2
94-5622	Seal Strip - Screen	56 12 1	95-7512	Shaft-Differential Gear, RH	67 2 1
94-5623	Harness - Wire, Main	16 6 1	95-7513	Support-Axle Case, LH	66 7 1
94-5623	Harness - Wire, Main	26 31 1	95-7515	Support-Axle Case, RH	66 8 1
94-5623	Harness - Wire, Main	21 37 1	95-7517	Gear-15 Bevel	67 3 2
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94-8026	Vent Assembly	22 12 1	95-7544	Clip	69 3 4
94-8027	O-Ring	22 10 1	95-7547	Shim-0.1	66 10 2
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94-8299	Assy. - Tube, Steering	10 45 1	98-9965	Bushing - Sleeve	39 24 4
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2410-64	Plug - Hole	57 55 3	322-2	Screw - Cap Hex. Hd.	33 9 1
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2411-36	Rod End	10 21 1	322-3	Screw - Cap Hex. Hd.	56 49 2
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2412-3	Clamp - Hose	56 45 2	322-6	Screw - Cap Hex. Hd.	29 1 2
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3220-3	Nut - Jam	3 4 1	3256-24	Washer - Flat	29 35 9
3220-3	Nut - Jam	8 7 2	3256-24	Washer - Flat	9 37 1
3220-3	Nut - Jam	10 19 1	3256-24	Washer - Flat	4 52 2
3220-3	Nut - Jam	30 54 1	3256-26	Washer - Flat	73 2 4
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PRODUCT CHANGES

In an effort to make improvements available to TORO owners as quickly as possible, minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change has been made in your unit, which is not reflected in your manual, see your TORO Distributor or his Authorized TORO Service Dealer for information and part numbers.

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Groundsmaster 455D 4WD has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the left front frame member. In any correspondence concerning the Groundsmaster 455D 4WD, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Service Dealer, supply the following information:

1. Model and serial number of the Groundsmaster 455D 4WD.
2. Part number, description, and the quantity of part(s) desired.

NOTE: Do not order by reference number if a parts catalog is being used; use the PART NUMBER.

COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province or state. If for any

reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

MAINTENANCE RECORD

[illegible]

MAINTENANCE RECORD

[illegible]

Compliance with Radio Interference Regulations Certified.
Certifie Conforme au Reglement sur le Brouillage Radioelectrique.

Litho in U.S.A.