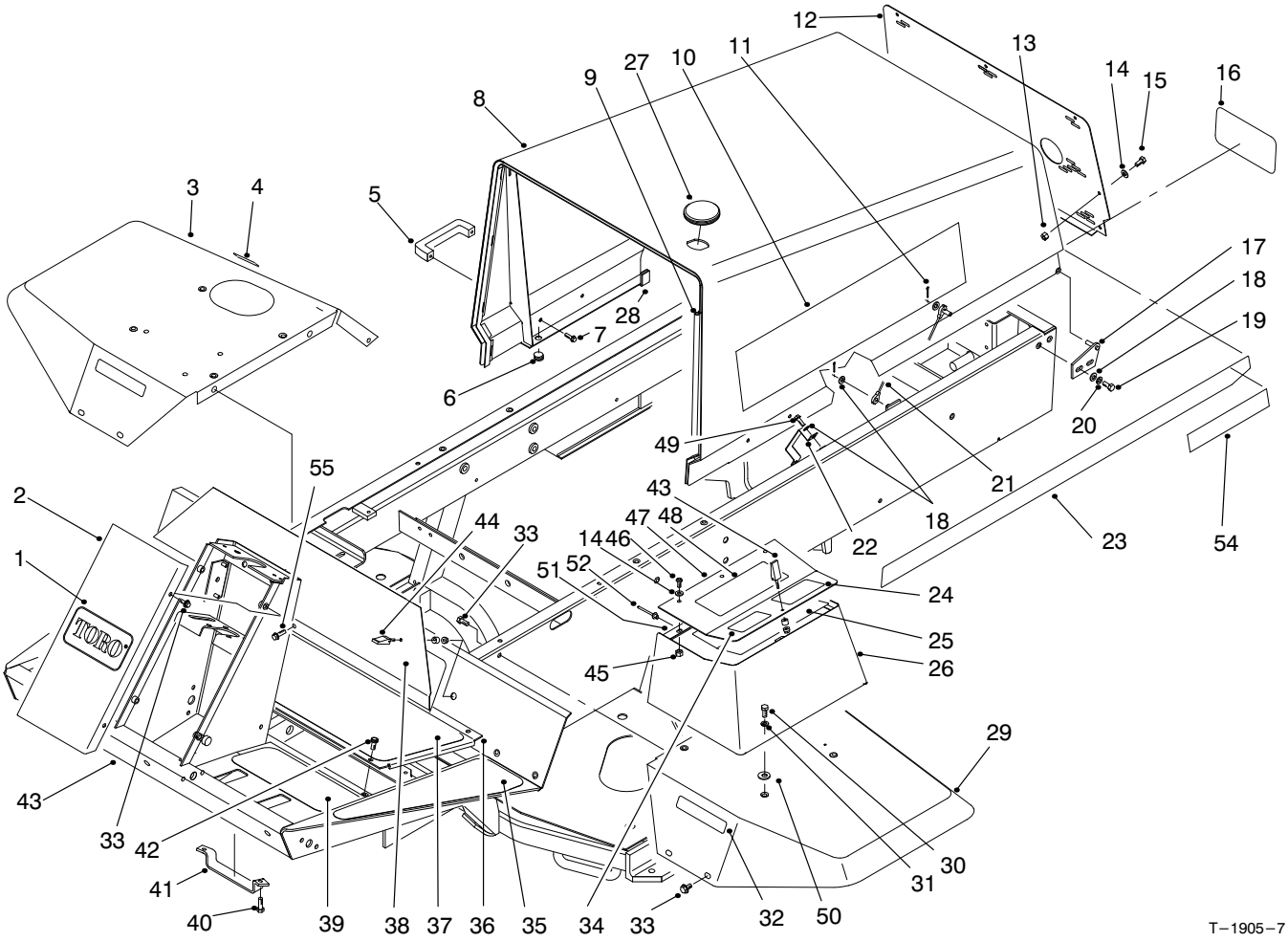
FORM NO. 3322–529

TORO®

MODEL NO. 03541–90400 & UP

PARTS CATALOG

REELMASTER® 5200D 4WD
TRACTION UNIT



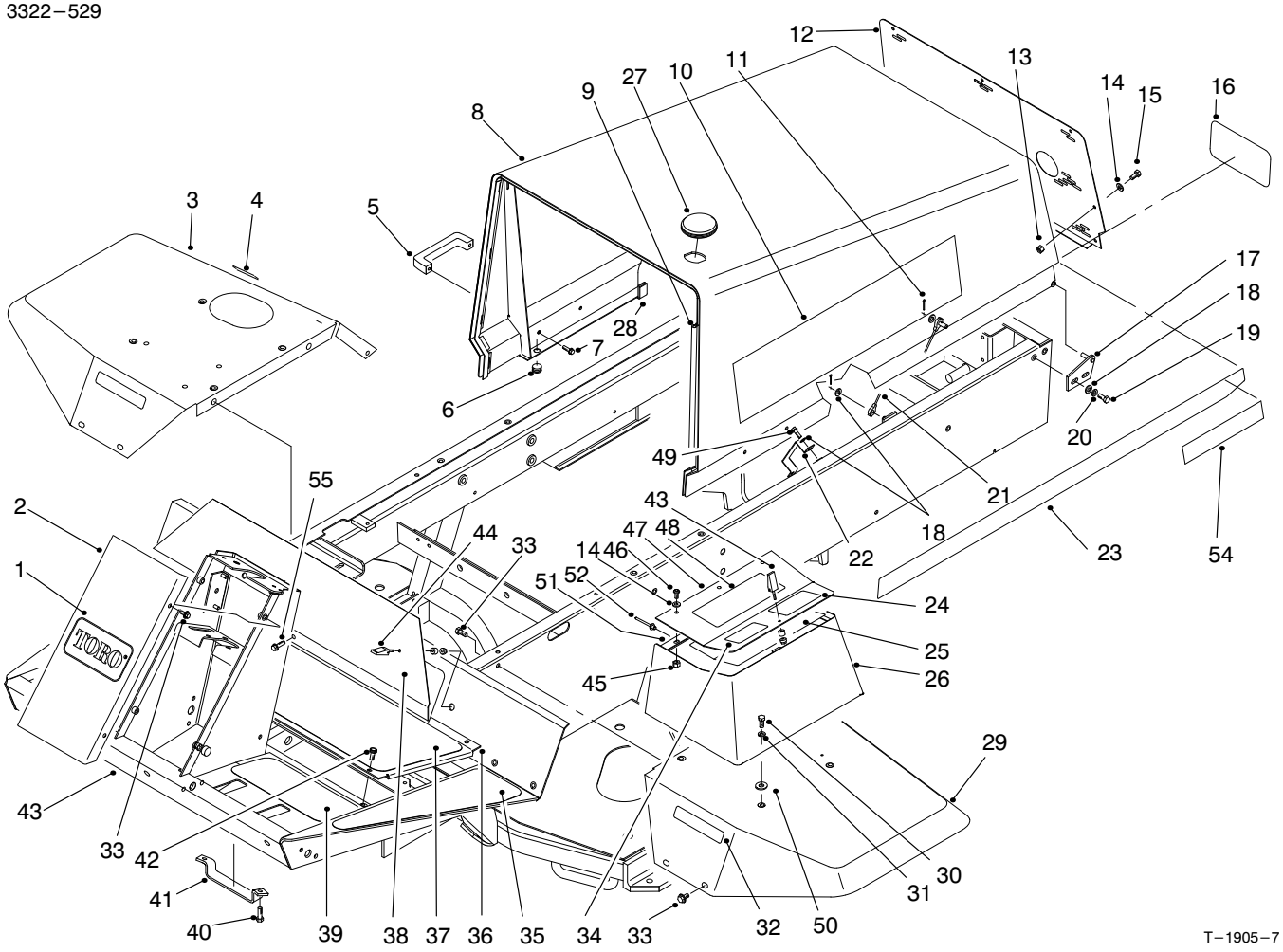
FRAME & BODY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	62–5550	Decal–TORO	1
2	75–1420	Cover–Steering Tower	1
3	93–7579	Fender–RH	1
4	93–6686	Decal–Hyd. Oil	1
5	65–5100	Handle	2
6	237–141	Bumper	2
7	46–8091	Screw–HH	4
8	98–9319	Hood	1
9	93–0081	Strip–Seal	1
10	98–4521	Decal–Reelmaster® 5200D	2
11	3272–4	Pin–Cotter	2
12	98–4573	Screen–Hood	1
13	3296–42	Nut–Lock	7
14	3256–1	Washer–Flat	10
15	321–39	Screw–HH	7
16	62–7400	Decal–TORO	1
17	63–6900	Hinge–Hood LH	1

Ref. No.	Part No.	Description	No. Used
*	63–6890	Hinge–Hood RH	1
18	3256–23	Washer–Flat	6
19	322–5	Screw–HH	4
20	3253–4	Washer–Lock	4
21	75–0570	Cable–Hood	1
22	98–4572	Bracket–Hose	1
23	92–5751	Decal–Hood Trim LH	1
*	92–5752	Decal–Hood Trim RH	1
24	93–6698	Decal–Warning	1
25	98–9340	Decal–Service	1
26	75–5810	Tool Box	1
27	98–9314	Plug–Hood	1
28	99–8975	Strip–Seal	1
29	75–3860	Fender–LH	1
30	322–3	Screw–HH	4
31	3256–3	Washer–Flat	4
32	93–6689	Decal–No Riders	2

* Not Illustrated

©The TORO Company – 1999
All Rights Reserved

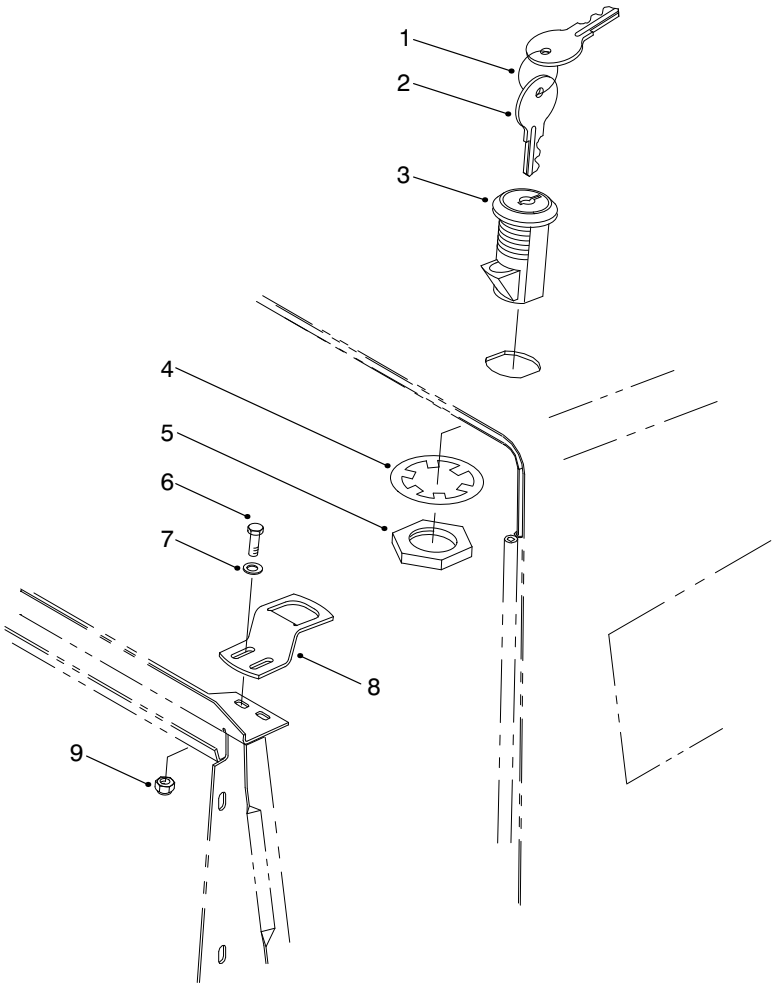


FRAME & BODY ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
33	3234−14	Screw−HWH	14
34	3234−5	Screw−HHF	1
35	75−0650	Tread−Footrest LH	1
*	75−0640	Tread−Footrest RH	1
36	75−1410	Panel−Floor	1
37	75−0630	Tread−Foot Center	1
38	75−1390	Panel−Access	1
39	75−0620	Tread−Foot LH	1
*	75−0610	Tread−Foot RH	1
40	322−4	Screw−HH	2
41	93−3626	Bracket−Hose	1
42	75−6840	Knob−Knurled	4
42	3234−7	Screw−HHF (Europe)	1

Ref. No.	Part No.	Description	No. Used
43	98−4549	Asm−Frame	1
44	74−5950	Asm−Swell Latch	3
45	32128−33	Nut−Flange Head	3
46	3258−166	Screw−PPH	3
47	75−6260	Cover−Tool Box	1
48	93−8051	Decal−Warning	1
50	66−2920	Washer−Nylon	4
49	32144−14	Screw−HWH	2
51	75−5780	Hinge−Cover	1
52	93−8744	Rivet	3
54	72−3560	Decal−4WD	2
55	3234−5	Screw−HFH	1

*Not Illustrated

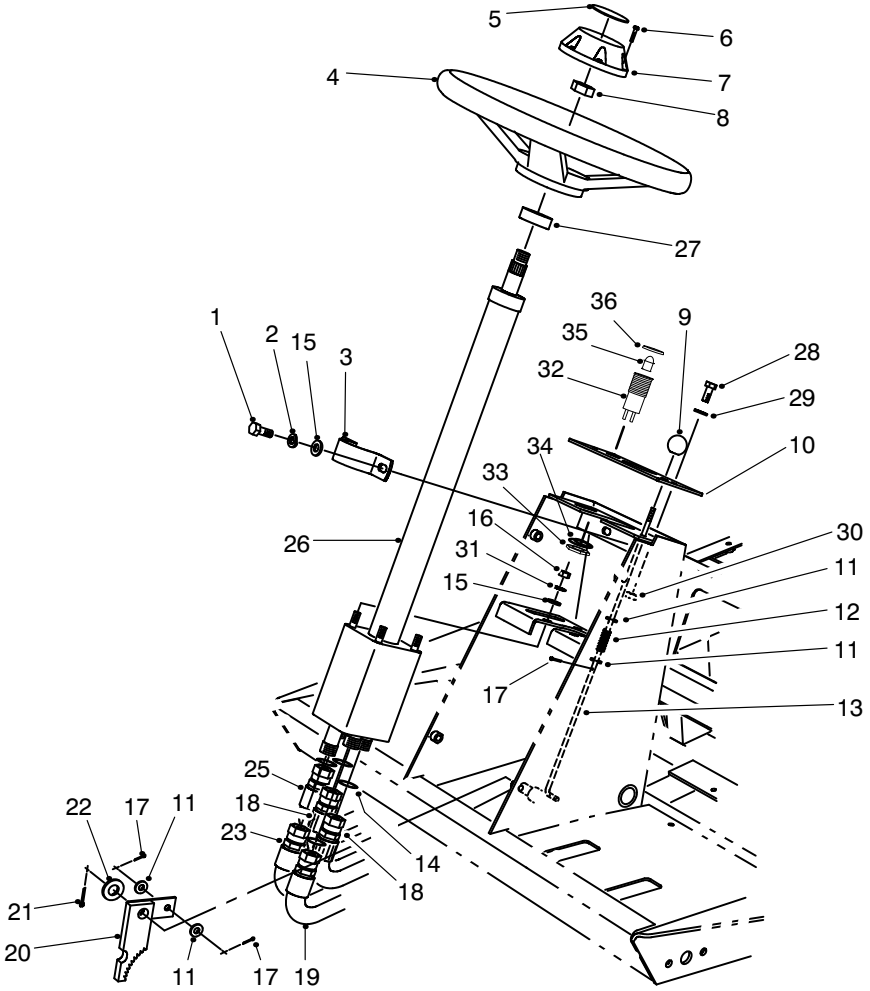


T–3095

HOOD SWITCH & LOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–9321	Ring–key	1
2	99–8350	Key–Switch	1
3	98–9315	Switch–Lock, Hood (Incl. Ref. #4 & 5)	1
4		Washer–Switch	1
5		Nut–Switch	1
6	321–4	Screw–HH	2
7	3256–1	Washer–Flat	2
8	98–9316	Bracket–Latch, Hood	1
9	3296–16	Nut–Lock	2

*Not Illustrated



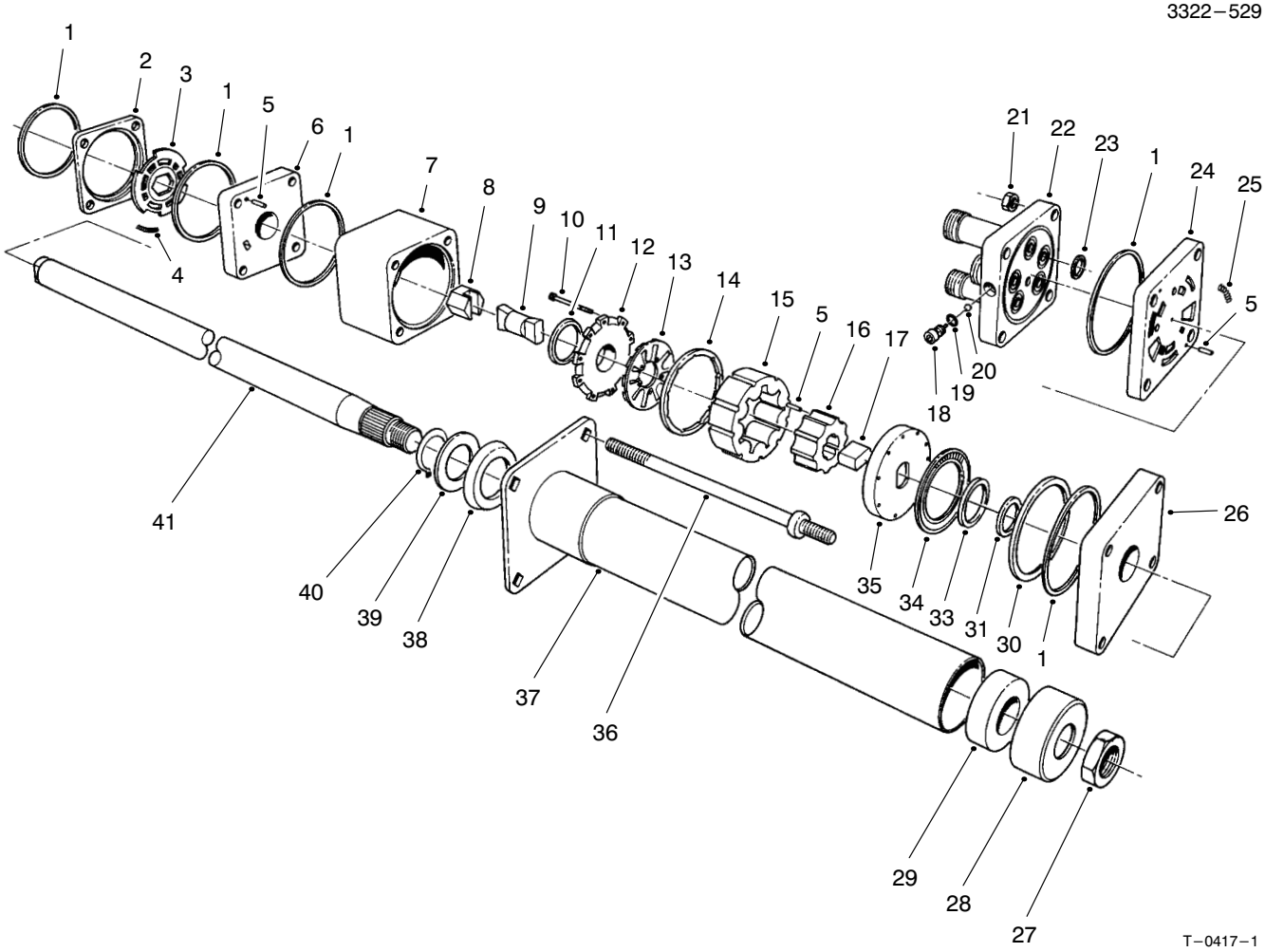
T−1044−2

STEERING TOWER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32144−26	Screw−TAP	2
2	3253−4	Washer−Lock	2
3	75−2810	Clamp−Steering Valve	1
4	75−0560	Asm−Steering Wheel (Incl. Ref. #6−8)	1
5	68−5370	Decal−TORO	1
6	32144−21	Screw	1
7	68−5140	Cap−Steering Wheel	1
8	3220−6	Nut−Steering Wheel	1
9	233−17	Knob−Parking Brake	1
10	93−6682	Panel−Tower	1
11	3256−22	Washer−Flat	4
12	95−1821	Spring−Compression	1
13	75−1490	Rod−Parking Brake	1
14	237−22	O−Ring	5
15	3255−8	Washer−Lock ETLW	1
16	3296−20	Nut−Lock	4
17	3272−5	Pin−Cotter	3
18	75−6230	Hose−Hydraulic RT	2
19	75−6240	Hose−Hydraulic IN	1

Ref. No.	Part No.	Description	No. Used
20	63−7900	Rack−Parking Brake	1
21	3272−10	Pin−Cotter	1
22	3256−26	Washer−Flat	1
23	75−5940	Hose−Hydraulic AUX	1
25	75−6250	Hose−Hydraulic OUT	1
26	75−0600	Asm−Steering Valve (Incl. Ref. #14)	1
27	21−9260	Seal−Shaft	1
28	3258−166	Screw−PPH	2
29	3256−1	Washer−Flat	2
30	3296−42	Nut−Lock	2
31	3256−23	Washer−Flat	6
32	44−2210	Asm−Lights, Warning (Incl. Ref. #33−36)	1
33	218−535	Nut−Lock	1
34	218−536	Washer−Lock	1
35	93−7480	Bulb−LED	1
36	218−533	Lens−Red	1
*	3290−378	Tie−Cable	3
*	3290−410	Tie−Cable, Push On	4

*Not Illustrated



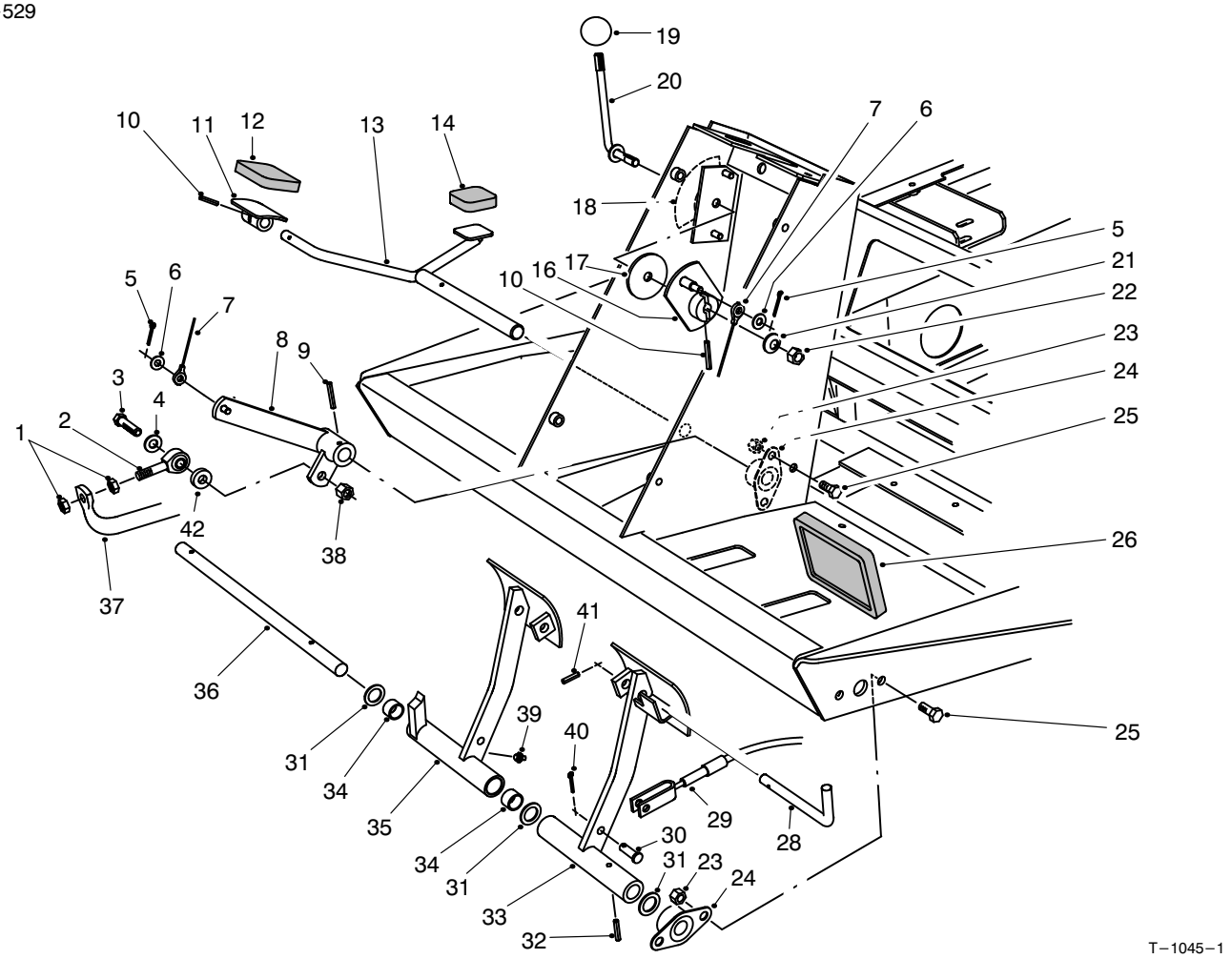
T–0417–1

STEERING VALVE ASSEMBLY No. 75–0600

Ref. No.	Part No.	Description	No. Used
1		Ring–Seal	5
2		Ring–Valve	1
3		Plate–Valve	1
4		Spring	3
5		Pin–Alignment	9
6		Manifold–Isolation	1
7		Ring–Metering	1
8		Asm–Hex Drive	1
9		Link–Drive	1
10		Screw–HSH	11
11		Seal–Commutator	1
12		Cover–Commutator	1
13		Commutator	1
14		Ring–Commutator	1
15		Stator	1
16		Rotor	1
17		Spacer–Drive Link	1
18		Plug	1
19		O–Ring	1
20		Ball	1
21		Nut–Hex	4
22		Cover–Port	1
23		O–Ring	5
24		Manifold–Port	1
25		Spring	3

Ref. No.	Part No.	Description	No. Used
26		Plate–Cover, Upper	1
27	3220–6	Nut	1
28	66–9770	Seal	1
29	66–9780	Bushing	1
30		Spacer–Bearing, Thrust	1
31		Spacer–Seal	1
33		Seal–Face	1
34		Bearing–Thrust	1
35		Plate–Drive	1
36	93–3609	Bolt–Special	4
37	66–9860	Upper Cover & Jacket	1
38	66–9870	Plate–Retaining	1
39	66–9880	Washer–Retaining Plate	1
40	66–9890	Ring–Retaining	1
41	66–9900	Shaft–Input	1
*	66–9970	Kit–Spring (Incl. Ref. #4 & 25)	1
*	66–9980	Kit–Seal (Incl. Ref. #1, 11, 19, 23 & 33)	1
*	66–9990	Kit–Needle Roller (Incl. Ref. #5)	1
*	75–1340	Valve–Power Steering (Incl. Ref. #1–26 & 30–36)	1

*Not Illustrated

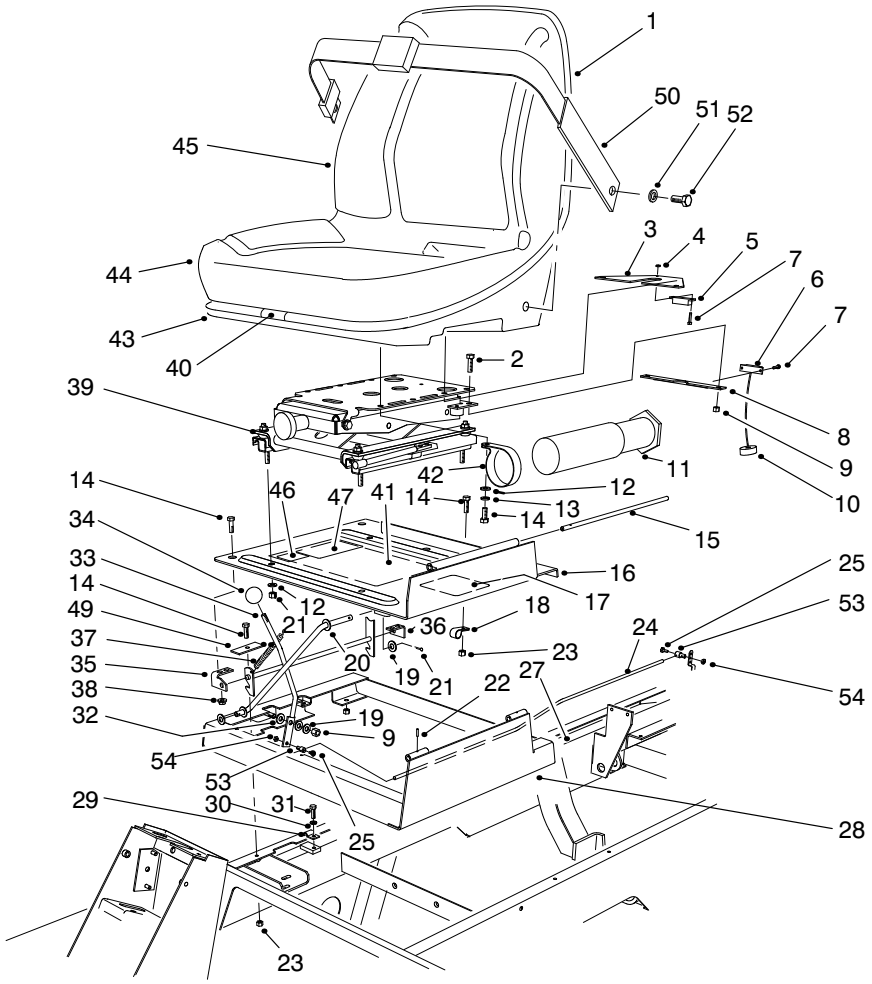


TRACTION & BRAKE PEDALS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3220−3	Nut−Jam	2
2	2411−36	Bearing−Rod End	1
3	323−9	Screw−HH	1
4	3256−24	Washer−Flat	1
5	3272−2	Pin−Cotter	2
6	3256−22	Washer−Flat	2
7	75−6580	Cable−Pedal	1
8	75−3270	Lever−Traction Pivot	1
9	32121−6	Pin−Roll	1
10	32121−45	Pin−Roll	2
11	49−6440	Plate−Traction Pedal	1
12	74−9100	Pad−Forward	1
13	75−2970	Pedal−Traction	1
14	74−9110	Pad−Reverse	1
16	75−6510	Lever−Bracket	1
17	75−6550	Disc−Friction	1
18	93−6699	Decal−Fast/Slow	1
19	233−42	Knob	1
20	75−6490	Lever−Pedal Stop	1
21	3290−461	Washer−Belleville	1
22	3296−59	Nut−Lock	1

Ref. No.	Part No.	Description	No. Used
23	3296−29	Nut−Lock	8
24	256−236	Bearing−Flange	4
25	322−3	Screw−HH	8
26	93−8742	Pad−Brake	2
28	63−7880	Pin−Brake Latch	1
29	63−7733	Cable−Brake LH	1
*	63−7732	Cable−Brake RH	1
30	283−58	Pin−Clevis	4
31	3256−69	Washer−Thrust	3
32	32121−16	Pin−Roll	1
33	75−1440	Pedal−Brake LH	1
34	256−42	Bushing−Sleeve	2
35	75−1430	Asm−Brake Pedal RH (Incl. Ref. #34 & 39)	1
36	75−1470	Shaft−Brake Pedal	1
37	75−2170	Tube−Pump Control	1
38	3296−39	Nut−Lock	1
39	302−5	Fitting−Grease	1
40	3272−10	Pin−Cotter	4
41	32121−50	Pin−Roll	1
42	5−0652	Spacer	1

*Not Illustrated

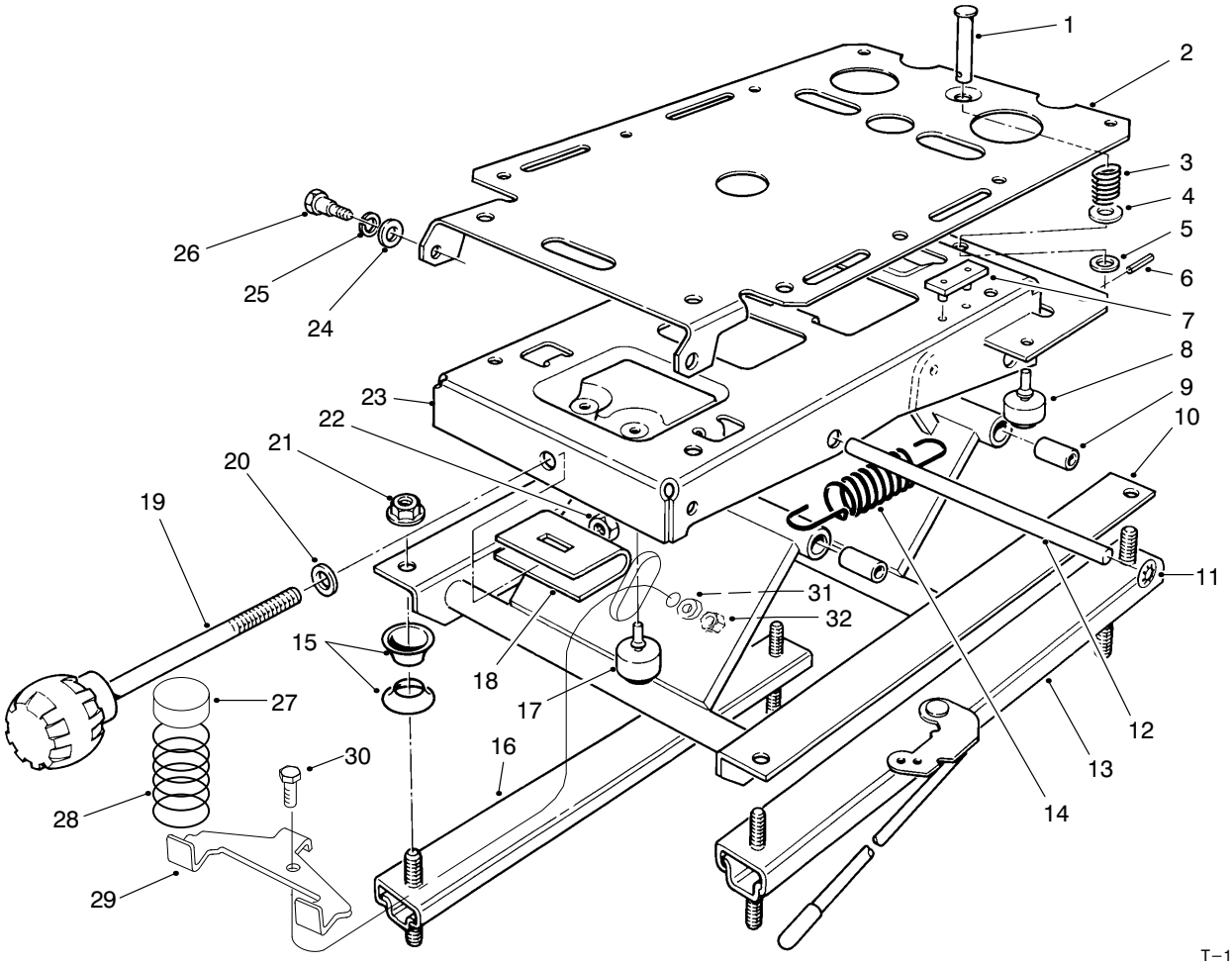


T−1906−4

SEAT & THROTTLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	351−78	Edging	1
2	323−4	Screw−HH	2
3	75−4370	Bracket−Switch (Seat)	1
4	3296−54	Nut−Lock	4
5	92−8753	Magnet−Reed Switch	1
6	92−8001	Sensor−Reed Switch	1
7	3250−29	Screw−HH	4
8	75−4360	Bracket−Switch	1
9	3296−39	Nut−Lock	3
10	93−0140	Grommet	1
11	74−0720	Tube−Manual	1
12	3256−23	Washer−Flat	8
13	3253−4	Washer−Lock	4
14	322−3	Screw−HH	13
15	75−3400	Shaft−Seat Pivot	1
16	98−2350	Asm−Seat Plate (Incl. Ref. #10)	1
17	93−8060	Decal−Danger	1
18	2412−93	Clamp−R	1
19	3256−24	Washer−Flat	3
20	75−3680	Rod−Seat	1
21	3272−10	Pin−Cotter	2
22	32121−38	Pin−Roll	1
23	3296−29	Nut−Lock	10
24	98−9303	Cable−Throttle	1
25	25−8640	Screw−HH	2
26	93−0021	Asm−Throttle Cable Swivel	1
27	3296−3	Nut−Lock	1

Ref. No.	Part No.	Description	No. Used
28	98−2352	Frame−Seat	1
29	3−6657	Clamp−Cable	1
30	3253−3	Washer−Lock	1
31	321−4	Screw−HH	1
32	66−2920	Washer−Friction	2
33	75−3430	Rod−Throttle	1
34	233−42	Knob−Throttle	1
35	98−2354	Latch−Seat	1
36	98−2353	Bracket−Seat Latch	2
37	66−4190	Spring	1
38	32128−25	Nut−Flange	4
39	75−3000	Asm−Seat Suspension	1
40	351−80	Clip	1
41	98−9342	Decal−Clip (Metric)	1
42	2412−133	Clamp−R	2
43	92−6534	Shell−Seat	1
44	92−6533	Kit−Cushion, Replacement	1
45	92−1180	Asm−Seat (Incl. Ref. #1, 2 of #9, 43 & 44)	1
46	63−9920	Decal−EEC 105	1
47	92−5524	Decal−Noise Rating, 90	1
49	98−9302	Plate−Idler Stop	1
50	21−4191	Asm−Belt, Seat	1
51	3253−6	Washer−Lock	2
52	3212−4	Bolt	2
53	98−9311	Swivel−Cable, Throttle	1
54	3296−20	Nut−Lock	1

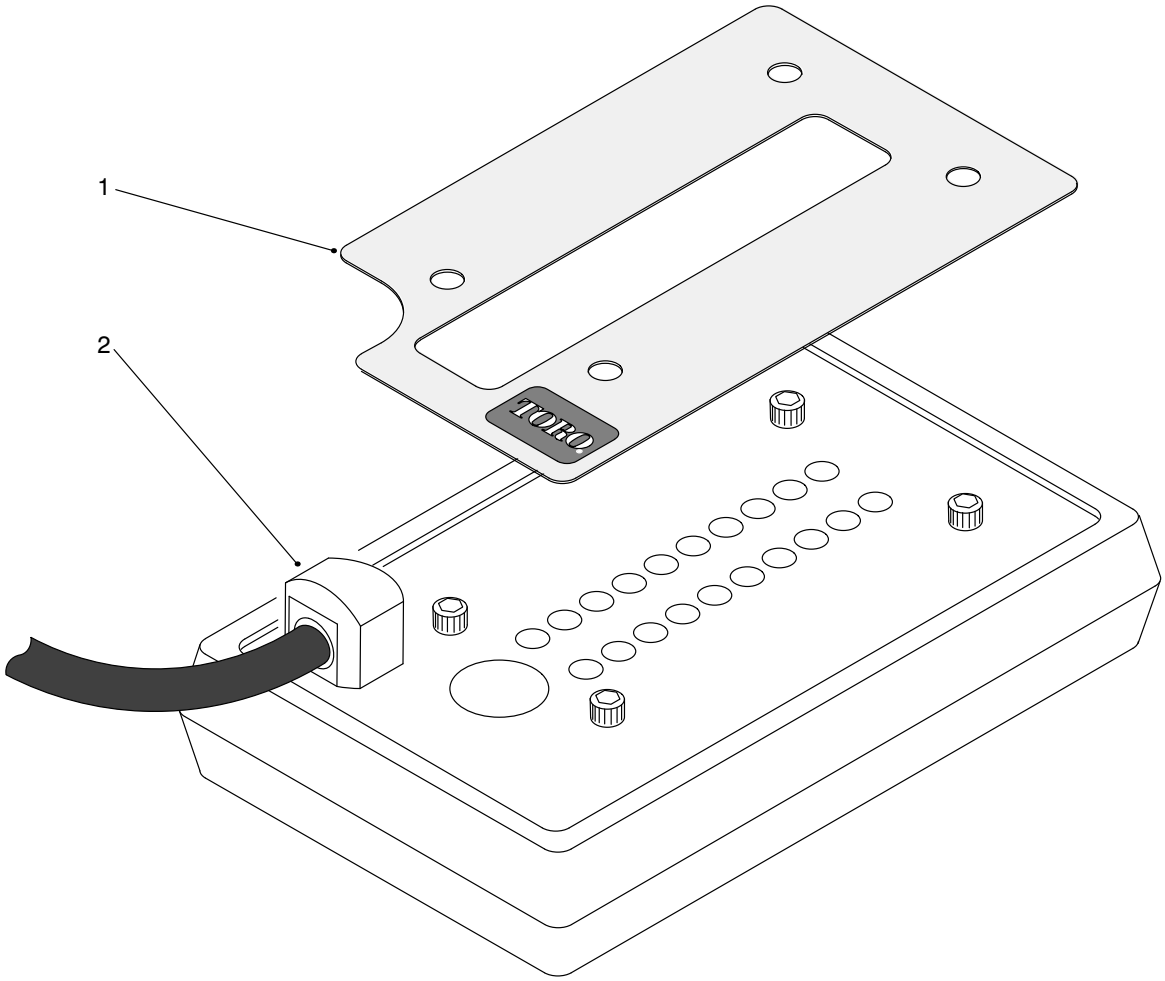


T–1031–1

SEAT SUSPENSION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80–4860	Pin–Clevis	1
2	75–3580	Plate–Mounting, Seat	1
3	75–3530	Spring–Compression	1
4	3256–5	Washer–Flat	1
5	3256–24	Washer–Flat	1
6	75–3540	Pin–Roll	1
7	75–3550	Bumper–Seat	2
8	76–2940	Bumper–Rubber	2
9	76–1920	Bushing–Sleeve	4
10	66–8610	Weldment–Lower	1
11	66–8560	Nut–Push	4
12	76–1910	Shaft–Pivot	2
13	82–9060	Adjuster W/Handle	1
14	76–1940	Spring–Extension	2
15	66–9290	Spacer	6
16	66–8530	Adjuster	1

Ref. No.	Part No.	Description	No. Used
17	66–8520	Bumper–Down–stop	2
18	77–2870	Weldment–Hanger	1
19	76–1930	Knob–Tension Adjustment	1
20	3256–46	Washer–Flat	1
21	32128–26	Nut–Flange	4
22	3296–44	Nut–Lock	1
23	75–3480	Weldment–Upper	1
24	3256–26	Washer–Flat	2
25	3253–6	Washer–Lock	2
26	75–3510	Bolt–Shoulder	2
27	93–3164	Cap	2
28	93–3163	Spring	2
29	93–3165	Bracket	1
30	322–6	Screw–HH	1
31	3253–33	Washer–Lock	1
32	3217–6	Nut–Hex	1

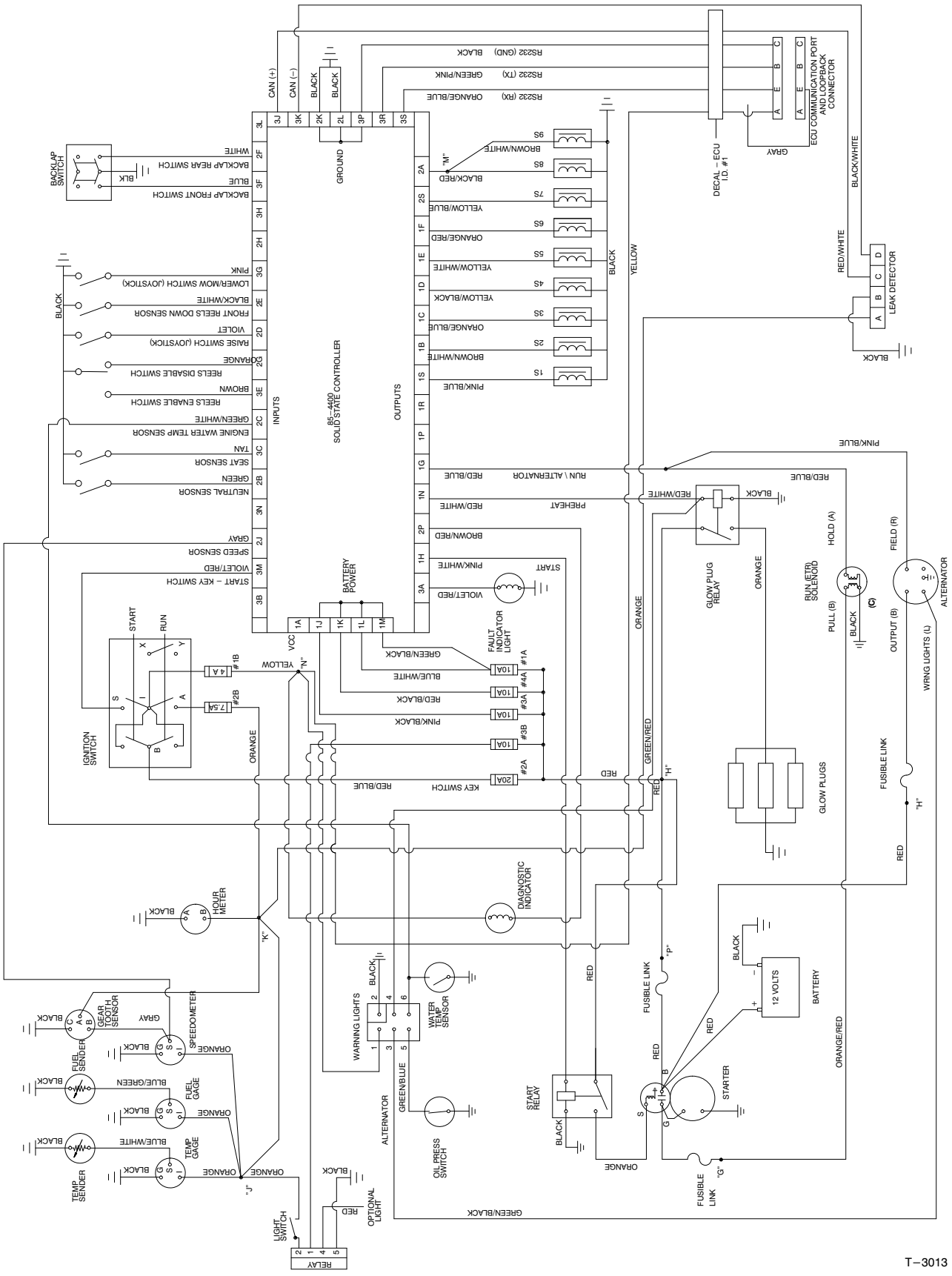


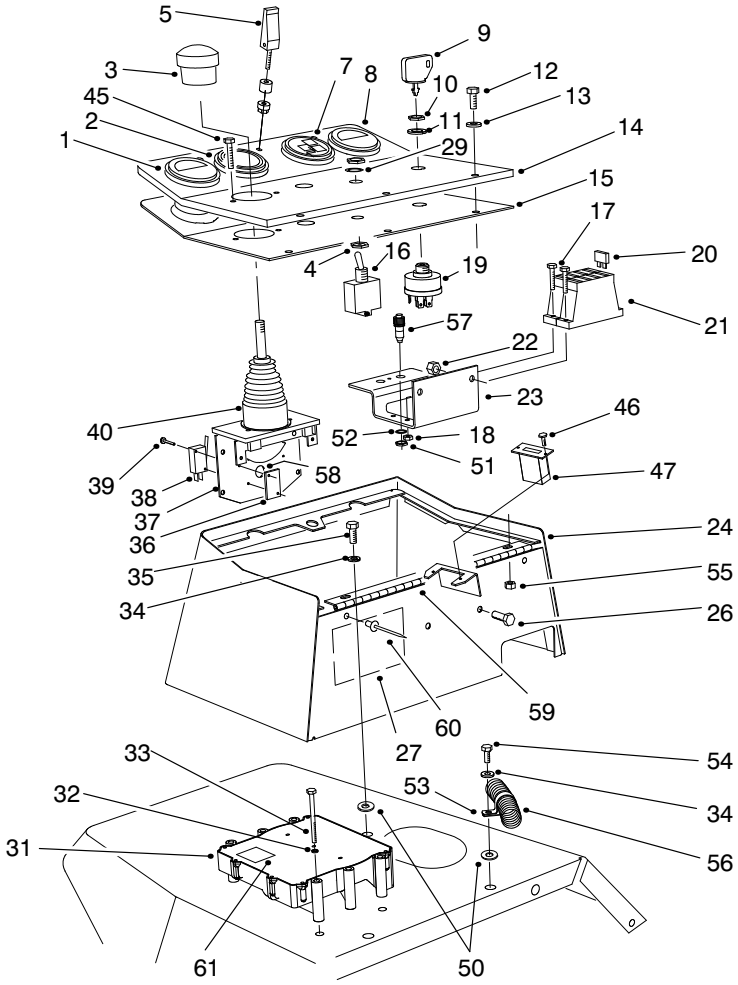
T–1458–1

DIAGNOSTIC–ACE DISPLAY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	100–3700	Decal–Diagnostic–ACE RM 5200D V 1.0	1
1	100–3710	Decal–Diag. (Spanish)	1
1	100–3704	Decal–Diag. (French)	1
1	100–3705	Decal–Diag. (German)	1
1	100–3711	Decal–Diag. (Swedish)	1
1	100–3706	Decal–Diag. (Italian)	1
1	100–3709	Decal–Diag. (Portuguese)	1
1	100–3708	Decal–Diag. (Norwegian)	1
1	100–3703	Decal–Diag. (Finnish)	1
1	100–3701	Decal–Diag. (Danish)	1
1	100–3702	Decal–Diag. (Dutch)	1
1	100–3707	Decal–Diag. (Japan)	1
1	94–5386	Decal–Turf Defender, Diag.	1
1	94–8060	Decal–Turf Defender, Diag. (Danish)	1
1	94–8061	Decal–Turf Defender, Diag. (Dutch)	1
1	94–8062	Decal–Turf Defender, Diag. (Finnish)	1
1	94–8063	Decal–Turf Defender, Diag. (French)	1
1	94–8064	Decal–Turf Defender, Diag. (German)	1
1	94–8065	Decal–Turf Defender, Diag. (Italian)	1
1	94–8066	Decal–Turf Defender, Diag. (Japanese)	1
1	94–8067	Decal–Turf Defender, Diag. (Norwegian)	1
1	94–8068	Decal–Turf Defender, Diag. (Portuguese)	1
1	94–8069	Decal–Turf Defender, Diag. (Spanish)	1
1	94–8070	Decal–Turf Defender, Diag. (Swedish)	1
2	85–4750	Display–Diagnostic–ACE	1

ELECTRICAL SCHEMATIC





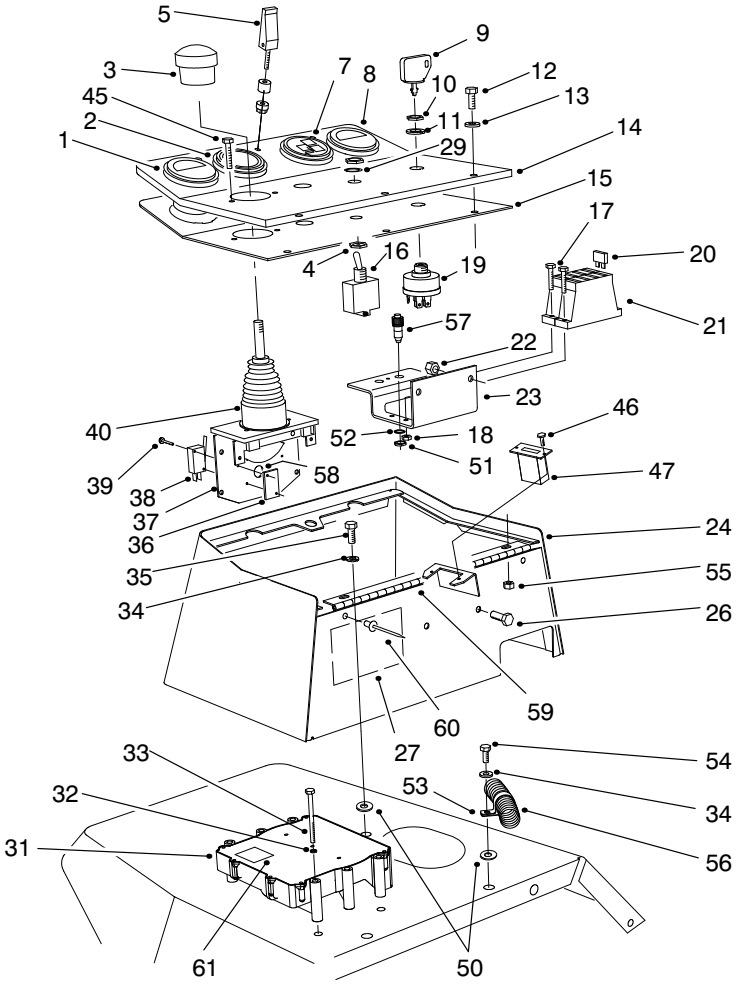
T−1501−8

CONTROL CONSOLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9339	Gauge−Fuel	1
2	85−4420	Gauge−Speedometer	1
3	3290−489	Knob−Lift Control	1
4	218−498	Nut−Hex.	2
5	74−5950	Asm−Swell Latch	1
7	98−9306	Cluster−Warning	1
8	98−9308	Gauge−Temperature	1
9	63−8360	Key−Ignition	1
10	218−446	Nut−Locking	1
11	218−447	Washer−E.T.L.W.	1
12	3258−166	Screw−PPH	5
13	3256−1	Washer−Flat	5
14	99−8961	Panel−Control	1
15	75−6270	Cover−Control Box	1
16	99−8352	Asm−Switch, Toggle (Incl. Ref. #4, 29 & 71)	1
17	32105−13	Screw−HH	4
18	3296−2	Nut−Lock	4
19	27−2360	Asm−Ignition Switch (Incl. Ref. #9−11)	1
†20	94−9157	Fuse−4A	1
†20	218−578	Fuse−10A	3
†20	218−574	Fuse−7.5A	1
†20	218−594	Fuse−20A	1
†21	67−7160	Block−Fuse	2

Ref. No.	Part No.	Description	No. Used
22	3296−42	Nut−Lock	4
23	93−7587	Bracket−Fuse Block	1
24	75−5740	Box−Control	1
26	321−39	Screw−HH	2
27	94−6767	Decal−Fuses	1
29	218−589	Washer−Lock	1
31	92−5720	Controller−Electronic Note: This part must be programmed by distributor before installation.	1
32	3253−3	Washer−Lock	2
33	321−15	Screw−HH	2
34	3256−3	Washer−Flat	3
35	322−3	Screw−HH	2
36	3290−354	Plate−Nut	2
37	98−2195	Asm−Lift Control (Incl. Ref. #3, 36, 38−40 , & 58)	1
38	94−8104	Switch−Micro	2
39	94−8103	Screw−HH	4
40	3290−488	Boot−Lift Control	1
45	3273−26	Screw−Hex. Socket Hd.	2
46	32144−18	Screw−HH	2
47	75−6820	Meter−Hour	1

*Not Illustrated †Included in main wire harness ASM.
▪Obtain Locally.



T−1501−8

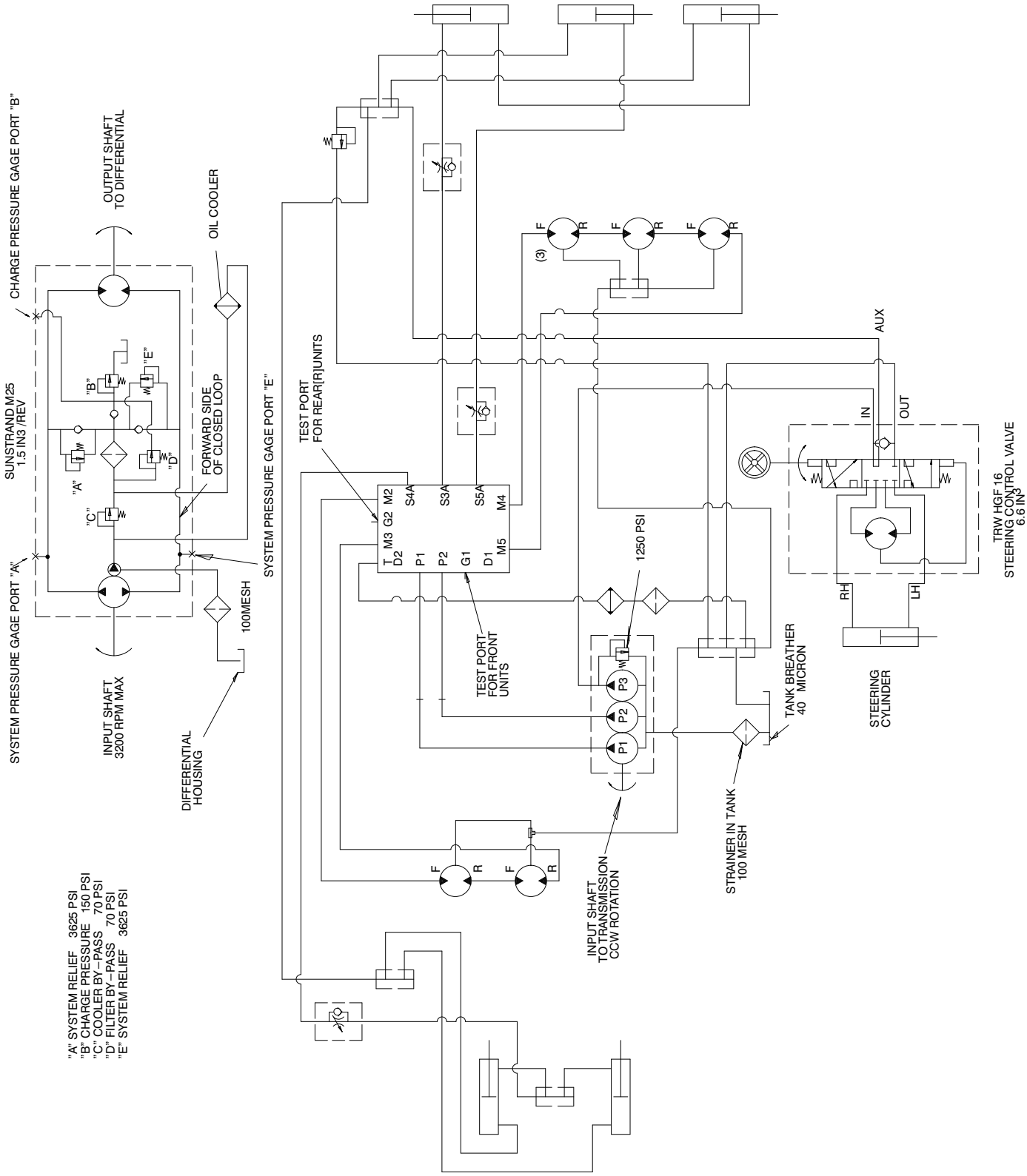
CONTROL CONSOLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
50	66−2920	Washer−Nylon	3
51		Nut−Lock	1
52		Washer−Lock	1
53	2412−126	Clamp−R	1
54	322−5	Screw−HH	1
55	32128−33	Nut−Lock, Flange Hd.	3
56	99−8960	Asm−Main Wire Harness	1
†57	85−4491	Lamp−Diagnostic (Incl. 219−19 Lamp)	1
*	219−19	Lamp−Green	

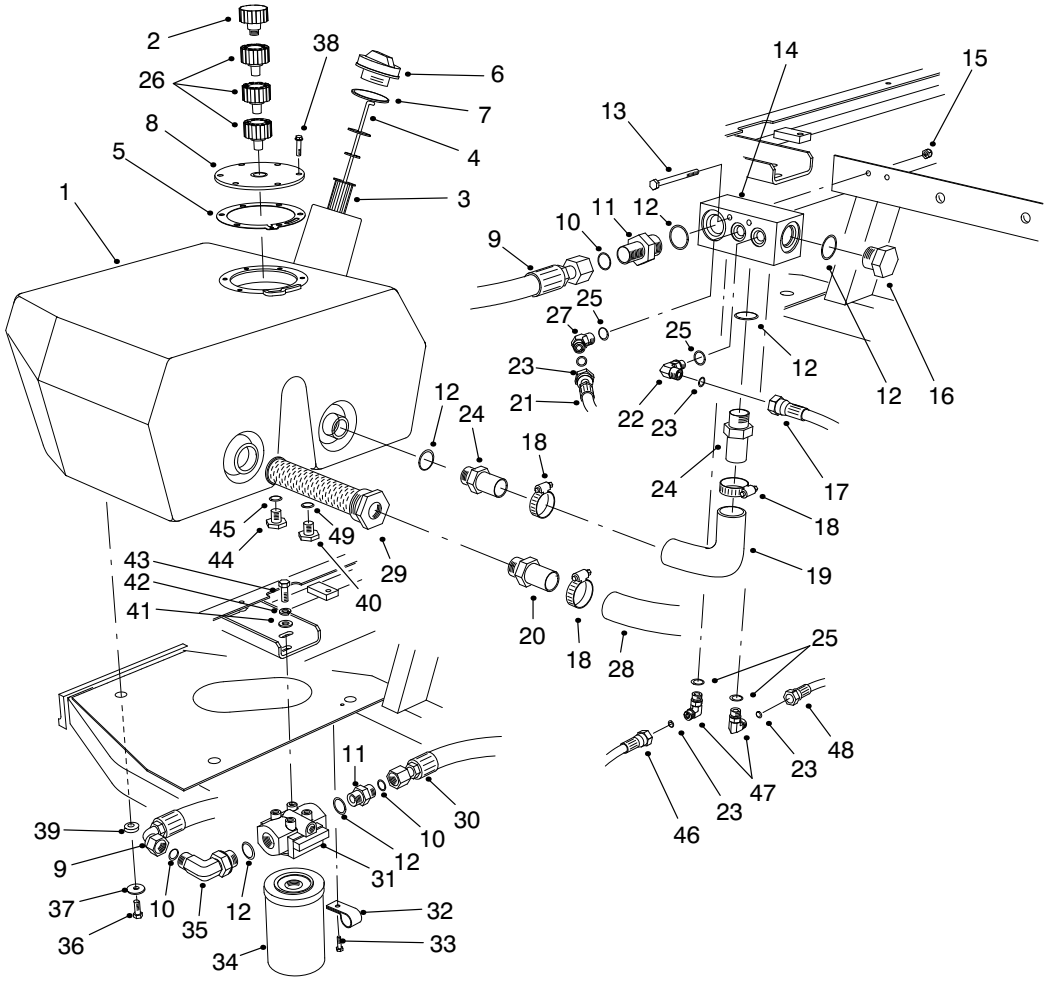
Ref. No.	Part No.	Description	No. Used
58	93−3625	Spring−Joystick Return	1
59	75−5780	Hinge−Cover	1
60	93−8744	Rivet	3
61	93−8053	Decal−ECU	1
*70	94−6343	Decal−Wire I.D.	1
*71	3253−19	Washer−Lock	2
*†	70−8570	Breaker−Circuit, 40 Amp	2
*†	86−7560	Connector−Cover (3 Way)	3
*†	86−7550	Connector−Cover (2 Way)	2
*†	85−4650	Connector−Loop Back	1

*Not Illustrated
†Included in main wire harness ASM.

HYDRAULIC SCHEMATIC



T–1144–3

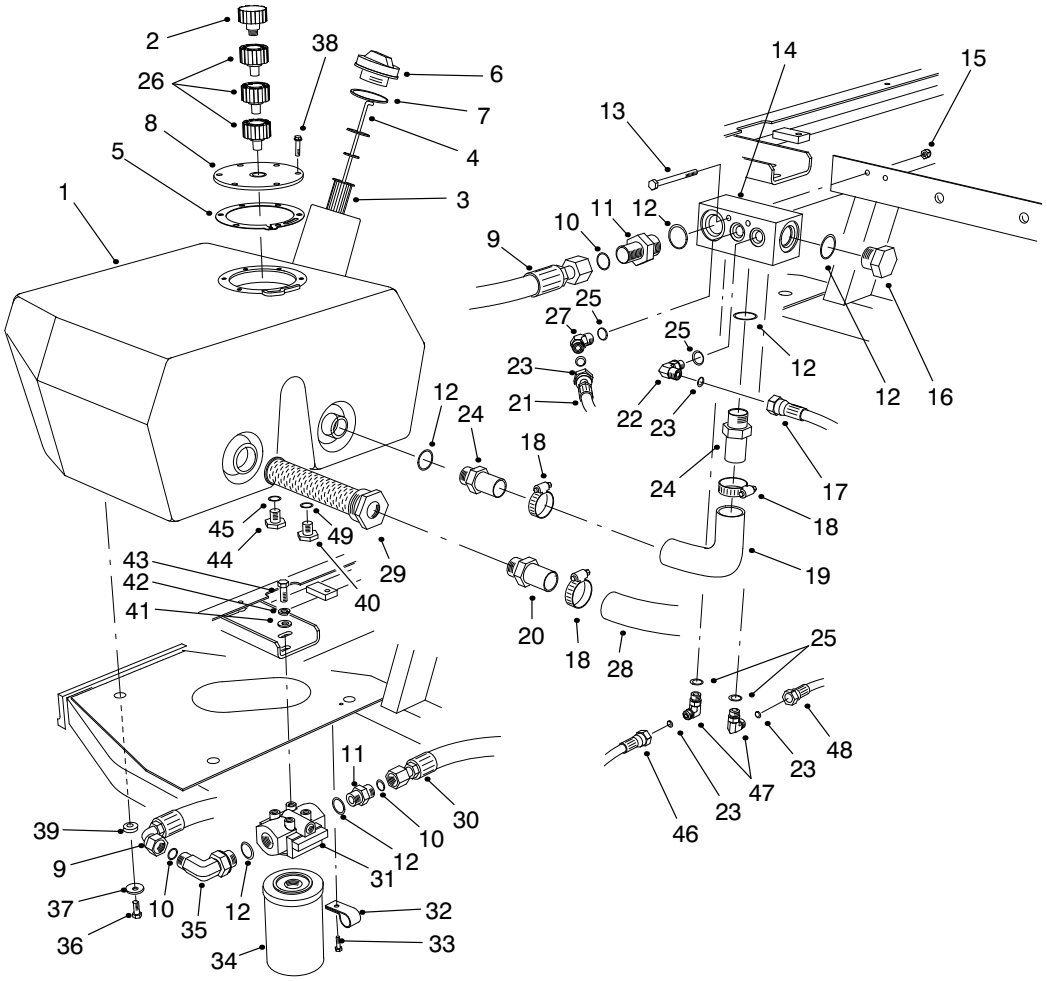


T−1048−4

HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−7488	Reservoir−Hydraulic	1
2	68−6150	Breather−Hydraulic Tank	1
3	61−2790	Screen−Filler	1
4	94−9411	Dipstick	1
5	93−7499	Gasket−Flange	1
6	93−7498	Plug−Plastic	1
7	237−101	O−Ring	1
8	93−7588	Cover−Tank	1
9	75−6130	Hose−Hydraulic	1
10	237−65	O−Ring	5
11	340−8	Fitting−Hydraulic Straight (Incl. Ref. #10 & 12)	2
12	237−81	O−Ring	4
13	321−23	Screw−HH	2
14	92−9098	Manifold−Tank	1
15	3296−42	Nut−Lock	2
16	354−74	Fitting−Hydraulic Plug (Incl. Ref. #12)	1
17	75−6250	Hose−Hydraulic	1
18	2412−34	Clamp−Hose	3
19	75−5720	Hose−Hydraulic	1
20	353−682	Fitting−Hydraulic Straight	1
21	93−0119	Hose−Hydraulic	1
22	340−77	Fitting−Hydraulic 90˚ (Incl. Ref. #23 & 25)	1
23	237−22	O−Ring	6

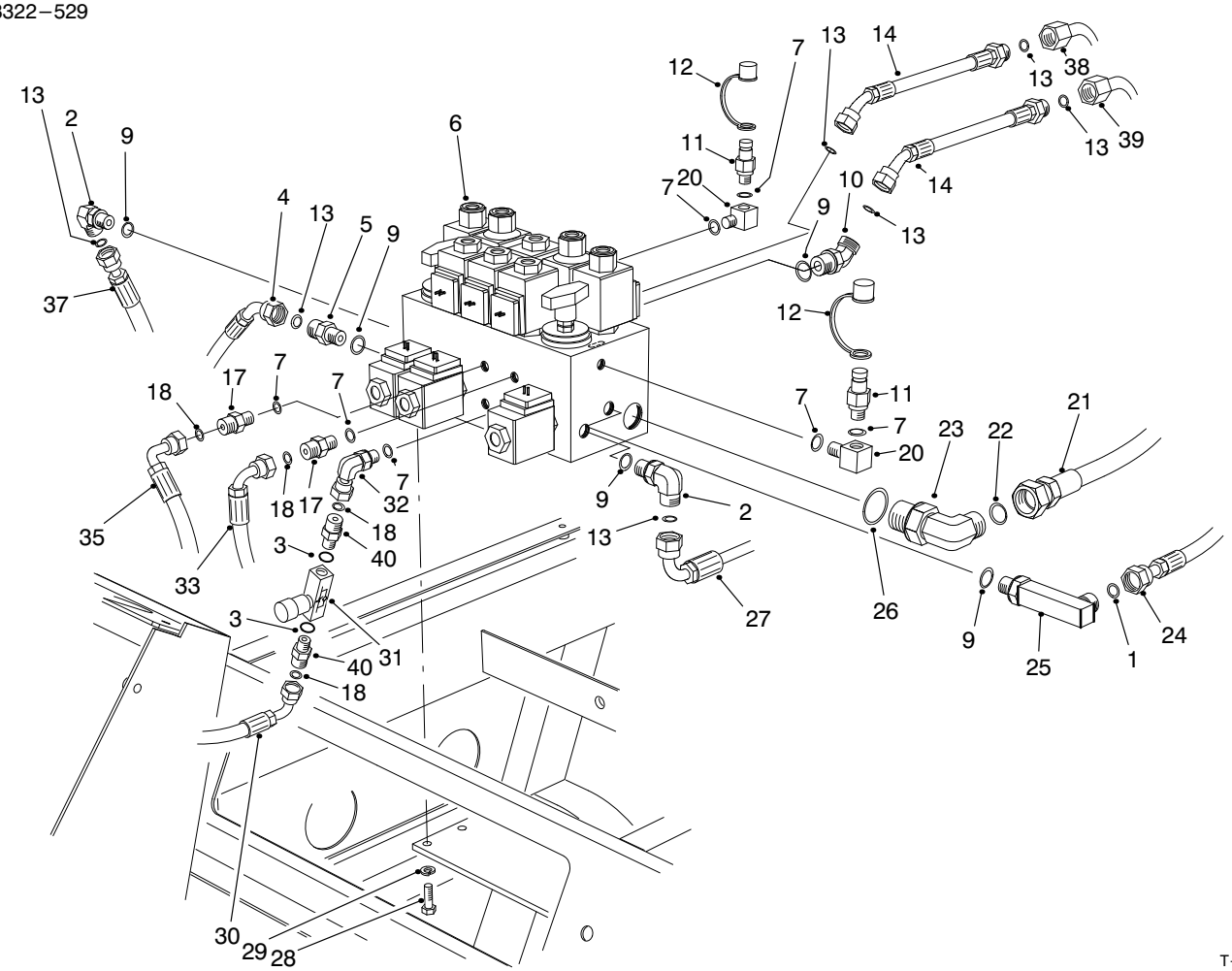
Ref. No.	Part No.	Description	No. Used
24	354−73	Fitting−Hydraulic Straight (Incl. Ref. #12)	2
25	237−42	O−Ring	4
26	92−8020	Adapter−Breather	3
27	340−87	Fitting−Hydraulic 45˚ (Incl. Ref. #25 & 23)	1
28	75−6870	Hose−Hydraulic Suction	1
29	75−0550	Strainer−Suction	1
30	93−0077	Hose−Hydraulic	1
31	75−1300	Asm−Hydraulic Filter Head	1
32	2412−93	Clamp−R	2
33	32144−10	Screw−HWH	2
34	75−1310	Element−Hydraulic Filter	1
35	340−139	Fitting−Hydraulic 90˚ (Incl. Ref. #10 & 12)	1
36	33105−025	Screw−HH	3
37	63−8410	Washer−Flat	3
38	33104−020	Screw−HFH	6
39	240−11	Grommet	3
40	353−508	Plug−Hydraulic	1
41	3256−24	Washer−Flat	2
42	3253−21	Washer−Lock	2
43	323−4	Screw−HH	2
44	353−550	Plug−Drain (Incl. Ref. #45)	1
45	237−79	O−Ring	1



T–1048–4

HYDRAULIC RESERVOIR ASSEMBLY (Continued)

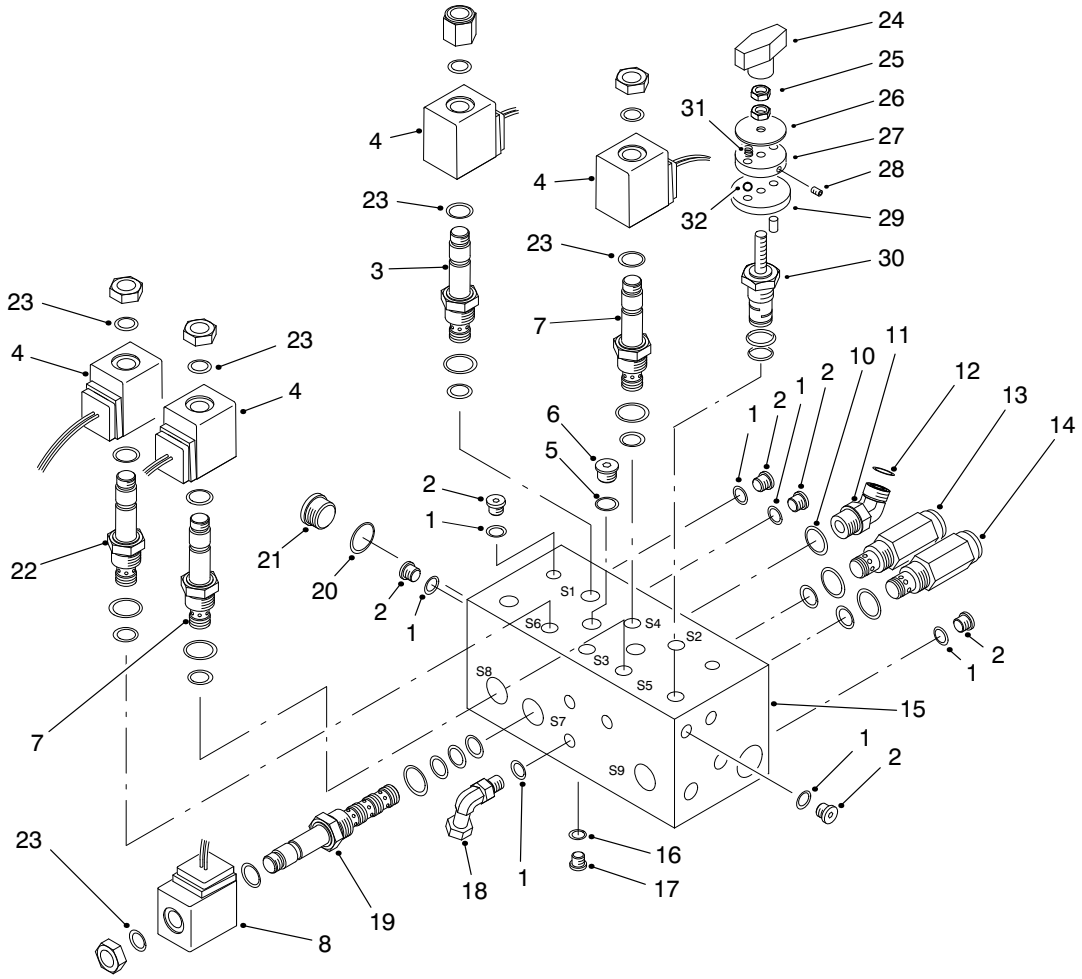
Ref. No.	Part No.	Description	No. Used
46	92–9096	Asm–Hose	1
47	340–82	Fitting–Hydraulic 90° (Incl. Ref. #23 & 25)	2
48	94–4916	Asm–Hose Drain	1
49	237–42	O–Ring	1



HYDRAULIC CONTROL MANIFOLD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	237−22	O−Ring	1
2	340−98	Fitting−Hydraulic 90˚ (Incl. Ref. #9 & 13)	2
3	237−42	O−Ring	2
4	98−4586	Asm−Hose, Pressure #5	1
5	340−4	Fitting−Hydraulic Straight (Incl. Ref. #9 & 13)	1
6	98−4579	Asm−Control Manifold (Incl. Ref. #32)	1
7	237−78	O−Ring	6
9	237−79	O−Ring	6
10	340−101	Fitting−Hydraulic 45˚ (Incl. Ref. #9 & 13)	2
11	354−77	Fitting−Test Port (Incl. Ref. #7)	2
12	354−79	Cap−Test Port	2
13	237−30	O−Ring	7
14	86−9190	Hose−Hydraulic	2
17	340−92	Fitting−Hydraulic Straight (Incl. Ref. #7 & 18)	2
18	237−21	O−Ring	4
20	75−6640	Fitting−Hydraulic 90˚ (Incl. Ref. #7)	2

Ref. No.	Part No.	Description	No. Used
21	93−0078	Hose−Hydraulic	1
22	237−65	O−Ring	1
23	340−139	Fitting−Hydraulic 90˚ (Incl. Ref. #22 & 26)	1
24	98−9348	Asm−Hose, Pressure #2	1
25	98−9781	Fitting−Hydraulic 90˚ (Incl. Ref. #1 & 9)	1
26	237−81	O−Ring	1
27	98−9347	Asm−Hose, Pressure #3	1
28	322−3	Screw−HH	4
29	3253−4	Washer−Lock	4
30	75−5900	Hose−Hydraulic	1
31	98−9742	Valve−Flow Control	1
32	340−143	Fitting−Hydraulic 90˚ (Incl. Ref. #7)	1
33	93−0118	Hose−Hydraulic	1
35	75−5890	Hose−Hydraulic	1
37	98−4589	Asm−Hose, Pressure #4	1
38	93−3642	Tube−Hydraulic	1
39	93−3643	Tube−Hydraulic	1
40	340−1	Fitting−Hydraulic Straight (Incl. Ref. #3 & 18)	2



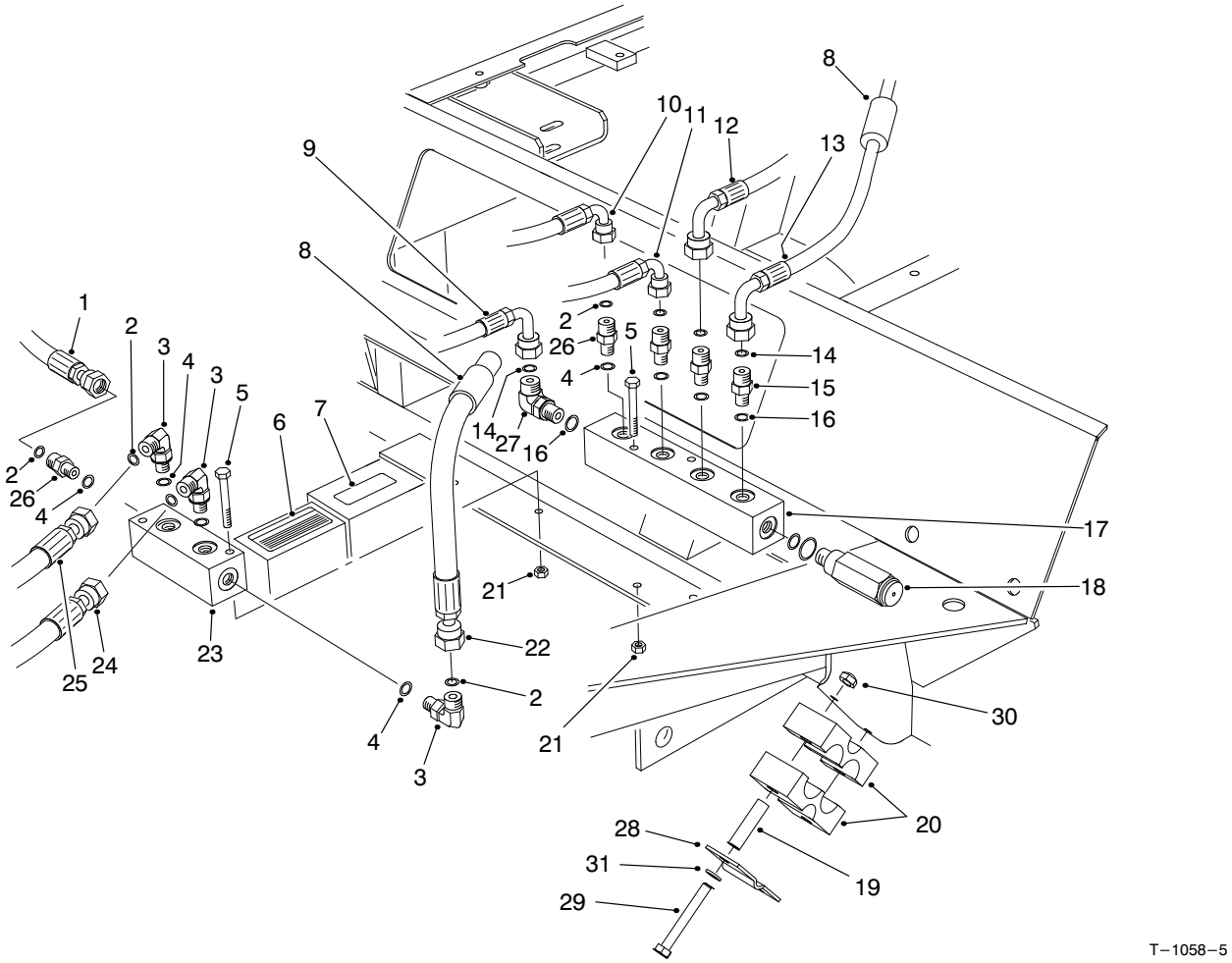
T−1503−3

CONTROL MANIFOLD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	237−78	O−Ring	12
2	353−990	Plug (Incl. Ref. #1)	11
3	88−7020	Cartridge−N.O. S1, S2 (Use Seal Kit #95−5645)	2
4	88−9190	Solenoid−20 Watt	6
5	237−42	O−Ring	2
6	353−989	Plug (Incl. Ref. #5)	2
7	94−2685	Cartridge−N.C. S3, S4, S5 (Use Seal Kit #95−5645)	3
8	88−9200	Solenoid−28 Watt	3
10	237−79	O−Ring	1
11	340−101	Fitting−Hydraulic 45° (Incl. Ref. #10 & 12)	1
12	237−30	O−Ring	1
13	75−0920	Cartridge−Relief 3000 psi (Use Seal Kit #95−5645)	1
14	75−2010	Cartridge−Relief 2000 psi (Use Seal Kit #95−5645)	1
†15		Body−Manifold	1
16	237−156	O−Ring	2
17	353−991	Plug (Incl. Ref. #16)	2

Ref. No.	Part No.	Description	No. Used
18	340−143	Fitting−Hydraulic 90° (Incl. Ref. #1)	1
19	88−6960	Cartridge−4W/2P S7, S8, S9 (Use Seal Kit #95−5642)	3
20	237−80	O−Ring	1
21	354−70	Plug (Incl. Ref. #20)	1
22	92−6315	Cartridge−N.C. S6 (Use Seal Kit #95−5645)	1
23	94−5438	Seal−Solenoid	10
24	94−5020	Knob	2
25	75−6770	Nut−Jam	4
26		Plate−Indicator	2
27	75−6730	Plate−Detent	2
28		Screw−Set	2
29	75−6720	Plate−Locating	2
30	98−9779	Rotary Cartridge Kit (Use Seal Kit #95−5645)	2
31	94−5027	Spring−Detent	2
32		Ball−Detent	2
*	82−8520	Detent ASM Kit (Incl. Ref. #24−29, 31 & 32)	2
*	95−5645	Kit−Seal	10
*	95−5642	Kit−Seal	3

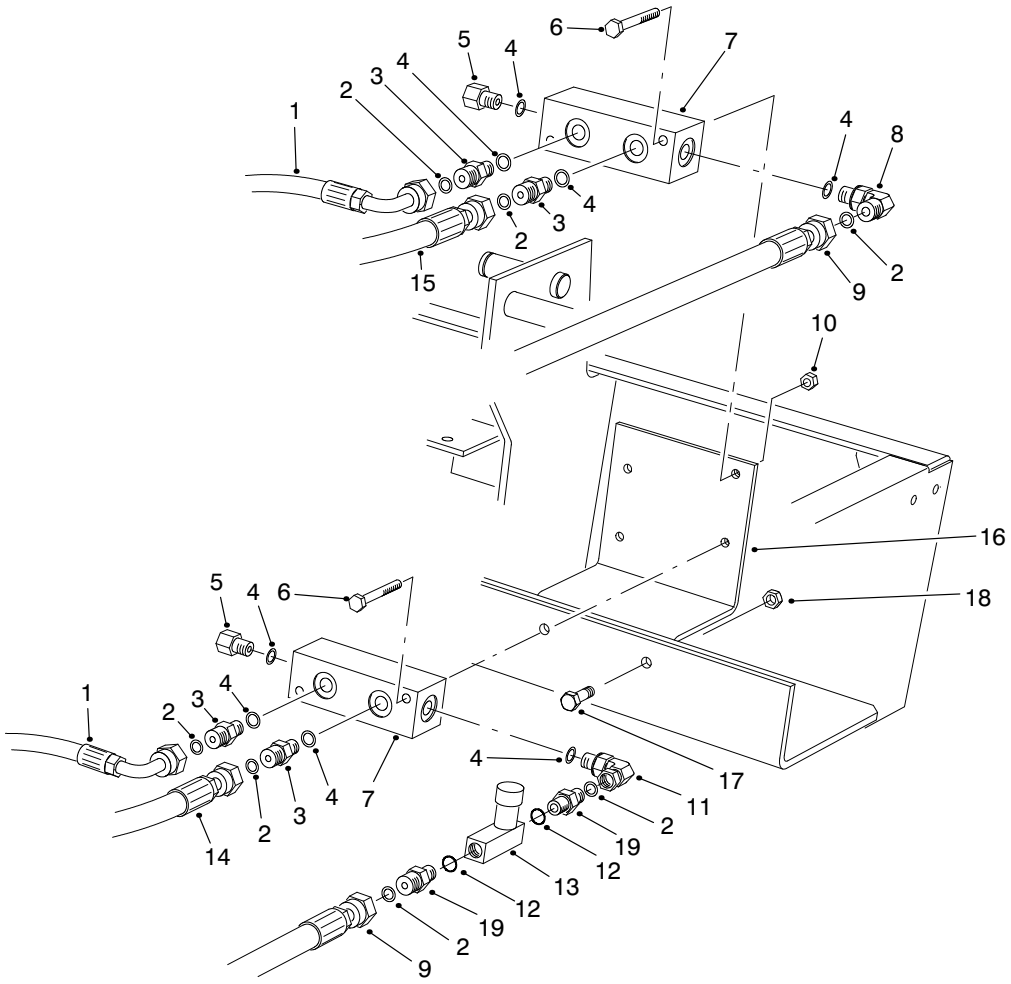
*Not Illustrated
†Not Serviceable Separately



FRONT HYDRAULIC MANIFOLDS

Ref. No.	Part No.	Description	No. Used
1	98−4584	Asm−Hose, Drain	1
2	237−21	O−Ring	7
3	340−132	Fitting−Hydraulic 90° (Incl. Ref. #2 & 4)	3
4	237−78	O−Ring	7
5	321−18	Screw−HH	4
6	93−6693	Decal−Floor Plate	1
7	93−6686	Decal−Oil	1
8	38−3400	Guard−Rubber	2
9	75−5940	Hose−Hydraulic	1
10	75−5890	Hose−Hydraulic	1
11	75−5910	Hose−Hydraulic	1
12	93−0118	Hose−Hydraulic	1
13	93−0119	Hose−Hydraulic	1
14	237−22	O−Ring	2
15	340−2	Fitting−Hydraulic Straight (Incl. Ref. #14 & 16)	2
16	237−42	O−Ring	2
17	93−0139	Manifold−Hydraulic	1

Ref. No.	Part No.	Description	No. Used
18	93−0143	Cartridge−Relief 250 psi (Use Seal Kit #75−2080)	1
19	93−7960	Spacer	4
20	82−8170	Clamp−Rubber	4
21	3296−42	Nut−Lock	4
22	92−9096	Hose−Hydraulic	1
23	75−1180	Manifold−Hydraulic	1
24	98−4587	Asm−Hose Drain #4	1
25	98−4590	Asm−Hose Drain #1	1
26	340−92	Fitting−Hydraulic Straight (Incl. Ref. #2 & 4)	4
27	340−77	Fitting−Hydraulic 90° (Incl. Ref. #14 & 16)	1
28	93−7961	Clamp	2
29	322−13	Screw−HH	4
30	3296−29	Nut−Lock	4
31	3256−70	Washer−Flat	4

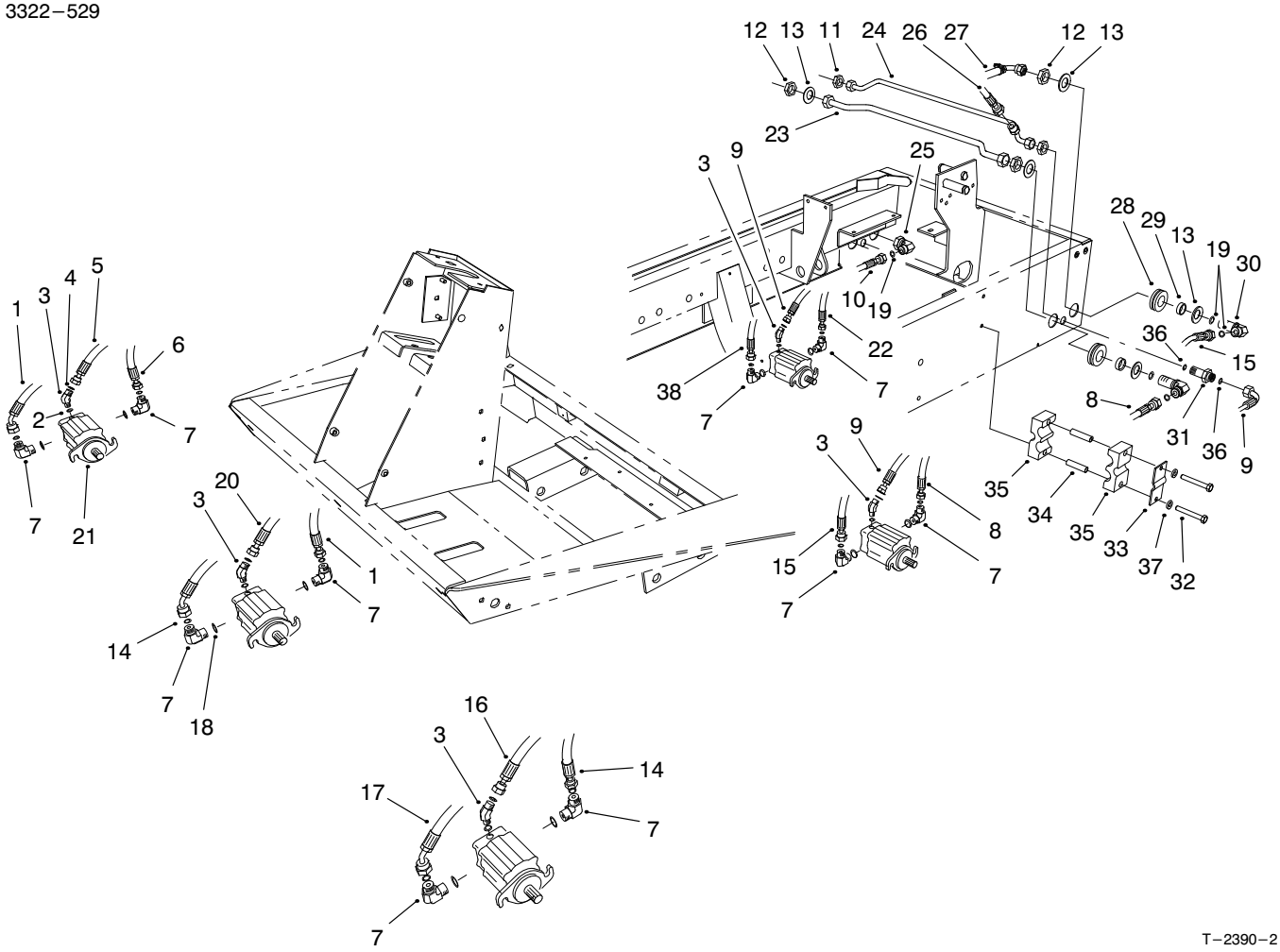


T–1095–4

REAR HYDRAULIC MANIFOLDS

Ref. No.	Part No.	Description	No. Used
1	75–6180	Hose–Hydraulic	2
2	237–21	O–Ring	7
3	340–92	Fitting–Hydraulic Straight (Incl. Ref. #2 & 4)	4
4	237–78	O–Ring	8
5	353–512	Fitting–Hydraulic Plug (Incl. Ref. #4)	2
6	321–11	Screw–HH	4
7	75–1180	Manifold	2
8	340–132	Fitting–Hydraulic 90° (Incl. Ref. #2 & 4)	1
9	93–0118	Hose–Hydraulic	2

Ref. No.	Part No.	Description	No. Used
10	32128–33	Nut–Lock	4
11	340–143	Fitting–Hydraulic 90° (Incl. Ref. #4)	1
12	237–42	O–Ring	2
13	98–9742	Valve–Flow Control	1
14	75–6080	Hose–Hydraulic	1
15	75–6070	Hose–Hydraulic	1
16	94–4920	Plate–Mounting Valve	1
17	322–5	Screw–HH	2
18	32128–20	Nut–Flange Lock	2
19	340–1	Fitting–Hydraulic Straight (Incl. Ref. #2 & 12)	2

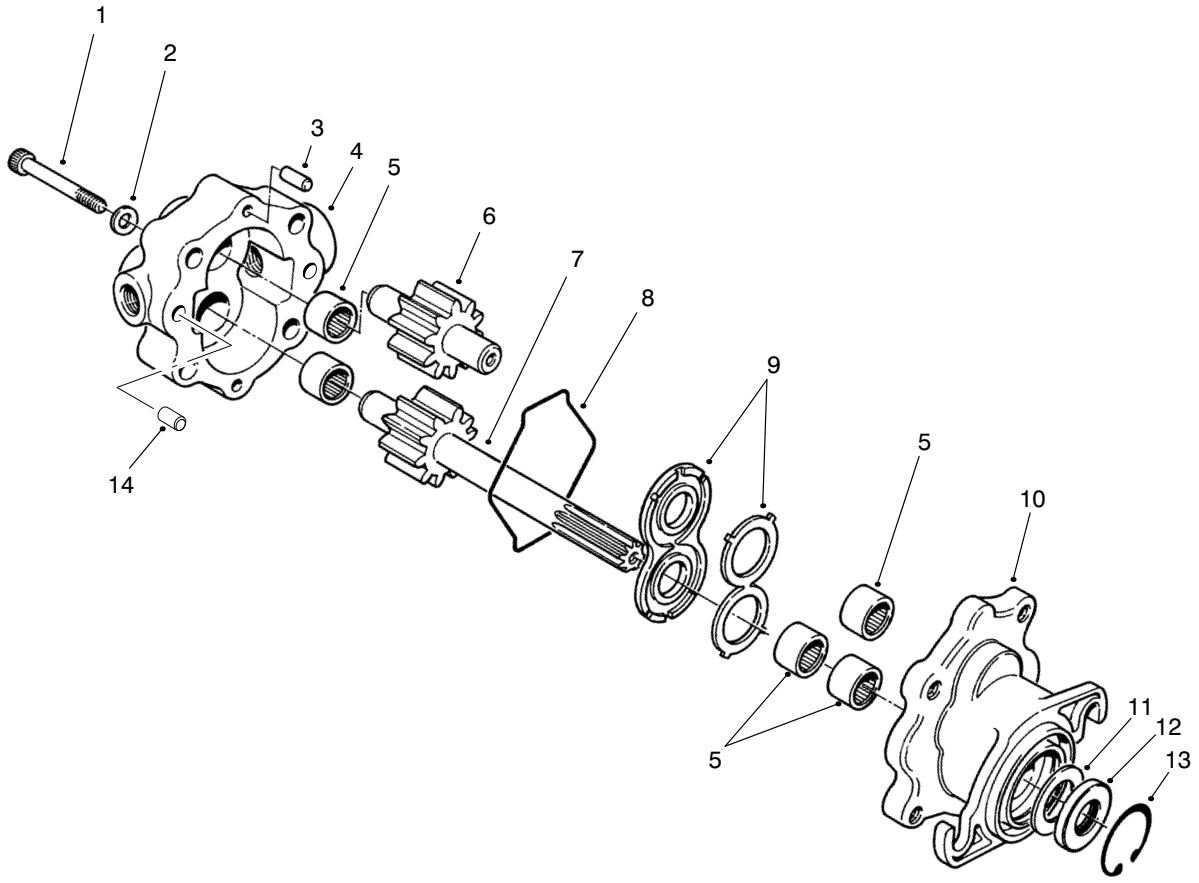


CUTTING UNIT HYDRAULIC COMPONENTS

Ref. No.	Part No.	Description	No. Used
1	98–4585	Asm–Hose, Pressure #1, 5	1
2	237–78	O–Ring	5
3	340–103	Fitting–Hydraulic 45° (Incl. Ref. #2 & 4)	5
4	237–21	O–Ring	5
5	98–4584	Asm–Hose, Drain #5	1
6	98–4586	Asm–Hose, Pressure #5	1
7	340–98	Fitting–Hydraulic 90° (Incl. Ref. #18 & 19)	10
8	98–4581	Asm–Hose, Pressure #2	1
9	98–4583	Asm–Hose, Drain #2, 3	2
10	98–9347	Asm–Hose, Pressure #3	1
11	340–70	Nut–Bulkhead	2
12	340–127	Nut–Bulkhead	4
13	69–8930	Washer–Flat	8
14	98–4588	Asm–Hose, Pressure #1, 4	1
15	98–4582	Asm–Hose, Pressure #2	1
16	98–4587	Asm–Hose, Drain #4	1
17	98–4589	Asm–Hose, Pressure #4	1
18	237–79	O–Ring	10
19	237–30	O–Ring	19
20	98–4590	Asm–Hose, Drain #1	1
21	93–1375	Motor–Hydraulic	5
22	98–9344	Asm–Hose, Hydraulic	1

Ref. No.	Part No.	Description	No. Used
23	94–4918	Asm–Tube, Pressure #2, 3	1
24	94–4917	Asm–Tube, Drain #2, 3	1
25	94–6031	Fitting–Hydraulic (Incl. Ref. #19)	1
26	94–4916	Asm–Hose, Drain, Return	1
27	98–9348	Asm–Hose, Pressure #2	1
28	240–5	Grommet–Rubber	4
29	69–8960	Spacer	4
30	93–9151	Fitting–Hydraulic (Incl. Ref. #19)	4
31	340–71	Fitting–Hydraulic (Incl. Ref. #36)	2
32	32144–58	Screw–HSH	4
33	93–7961	Clamp–Case Drain	2
34	93–7960	Spacer	4
35	82–8170	Clamp	4
36	237–22	O–Ring	4
37	3256–70	Washer–Flat	4
38	98–9343	Asm–Hose, Hydraulic	1
*	3290–378	Tie–Cable	4
*	98–9761	Kit–Hydraulic Hose (Incl. Ref. #1, 6, 8, 14–15 & 17)	1

*Not Illustrated



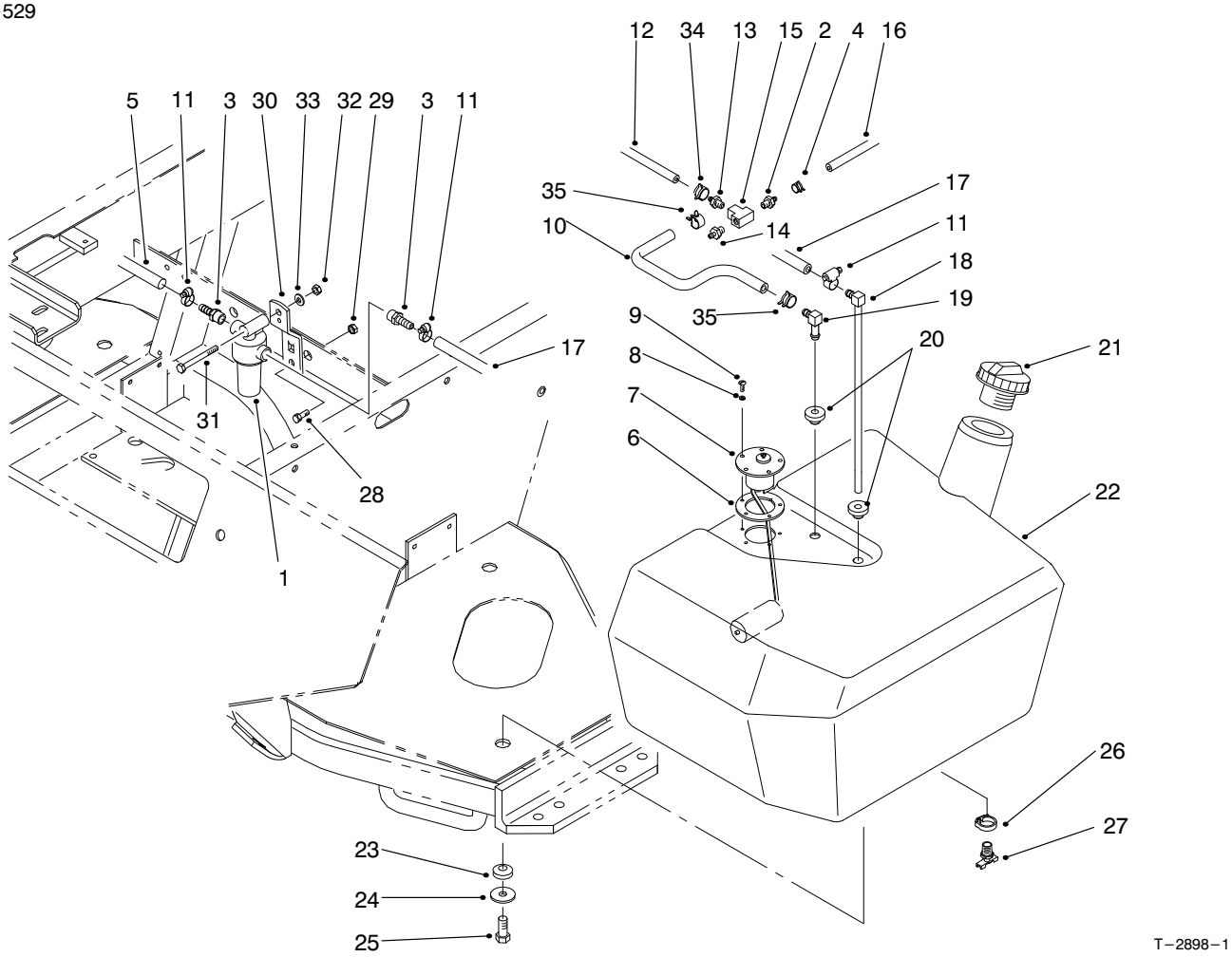
T–1872–1

REEL MOTOR ASSEMBLY NO. 93–1375

Ref. No.	Part No.	Description	No. Used
1	354–50	Screw–HSH	4
2	354–51	Washer	4
3	353–599	Pin–Dowel	2
4	93–3614	Asm–Cover (Incl. Ref. #5)	1
†5		Bearing–Needle	5
6	93–3616	Asm–Idler Gear	1
7	93–3615	Asm–Drive Shaft	1
8	354–46	Ring–Seal	1

Ref. No.	Part No.	Description	No. Used
9	74–3810	Asm–Load Plate	1
10	92–8795	Asm–Body (Incl. Ref. #5)	1
†11		Spacer	1
†12		Seal–Shaft	1
13	32151–41	Ring–Retaining	1
14	92–8796	Pin–Dowel	2
*	92–8863	Kit–Repair (Incl. Ref. #8, & 11–13)	1

*Not Illustrated

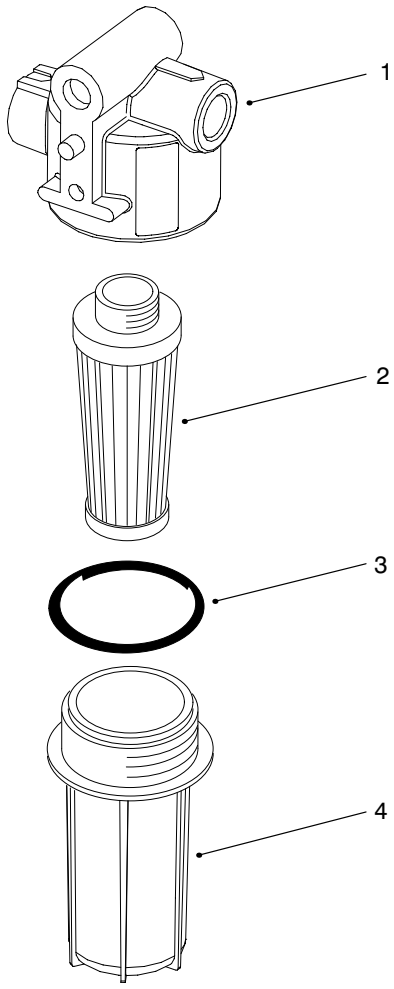


FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	99–8351	Filter–Fuel	1
2	304–73	Fitting–Barbed	1
3	353–783	Fitting–Fuel	1
4	2412–98	Clamp–Hose	1
5	63–7610	Hose–Fuel	1
6	62–7650	Gasket–Sending Unit	1
7	63–7640	Unit–Sending	1
8	3253–15	Washer–Lock	5
9	32122–24	Screw–Round Hd.	5
10	93–2042	Hose–Fuel	1
11	2412–108	Clamp–Hose	4
12	75–4700	Hose–Fuel	1
13	354–22	Fitting–Fuel, Straight	1
14	354–21	Fitting–Fuel Straight	1
15	354–20	Fitting–Fuel Tee	1
16	98–9338	Hose–Fuel	1
17	95–4276	Hose–Fuel	1
18	66–8121	Standpipe–Elbow 90˚	1

Ref. No.	Part No.	Description	No. Used
19	46–6550	Connector–Fuel, Elbow 90˚	1
20	46–6560	Grommet	2
21	93–3102	Cap–Fuel Tank	1
22	94–3510	Asm–Fuel Tank (Incl. Ref. #26–27)	1
23	240–11	Grommet	3
24	63–8410	Washer–Flat	3
25	33103–025	Screw–HHF	3
26	2412–36	Clamp–Drain	1
27	304–46	Fitting–Drain	1
28	322–4	Screw–HH	1
29	3296–29	Nut–Lock	1
30	98–9748	Support–Bracket, Filter	1
31	321–8	Screw–HH	1
32	3296–42	Nut–Lock	1
33	3256–22	Washer–Flat	1
34	2412–146	Clamp–Spring	2
35	92–2379	Clamp	2

*Not Illustrated
†Not Serviced Separately



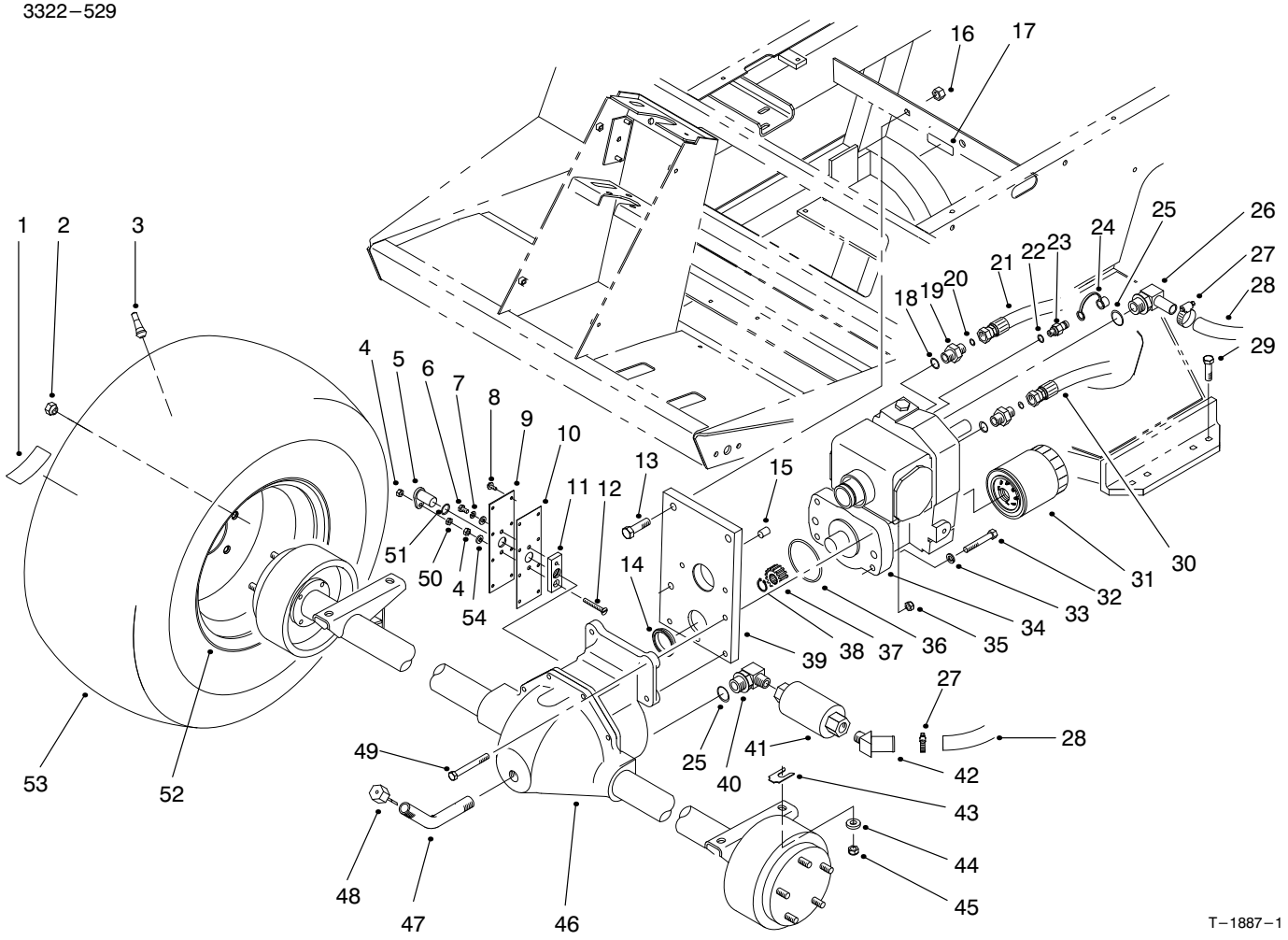
T−3100

FUEL FILTER ASSEMBLY NO. 99−8351

Ref. No.	Part No.	Description	No. Used
1	99−8356	Kit−Head W/Label	1
2	99−8358	Kit−Element (Incl. Ref. 33)	1

Ref. No.	Part No.	Description	No. Used
3	99−8359	O−Ring	1
4	99−8357	Kit−Bowel (Incl. Ref. #3)	1

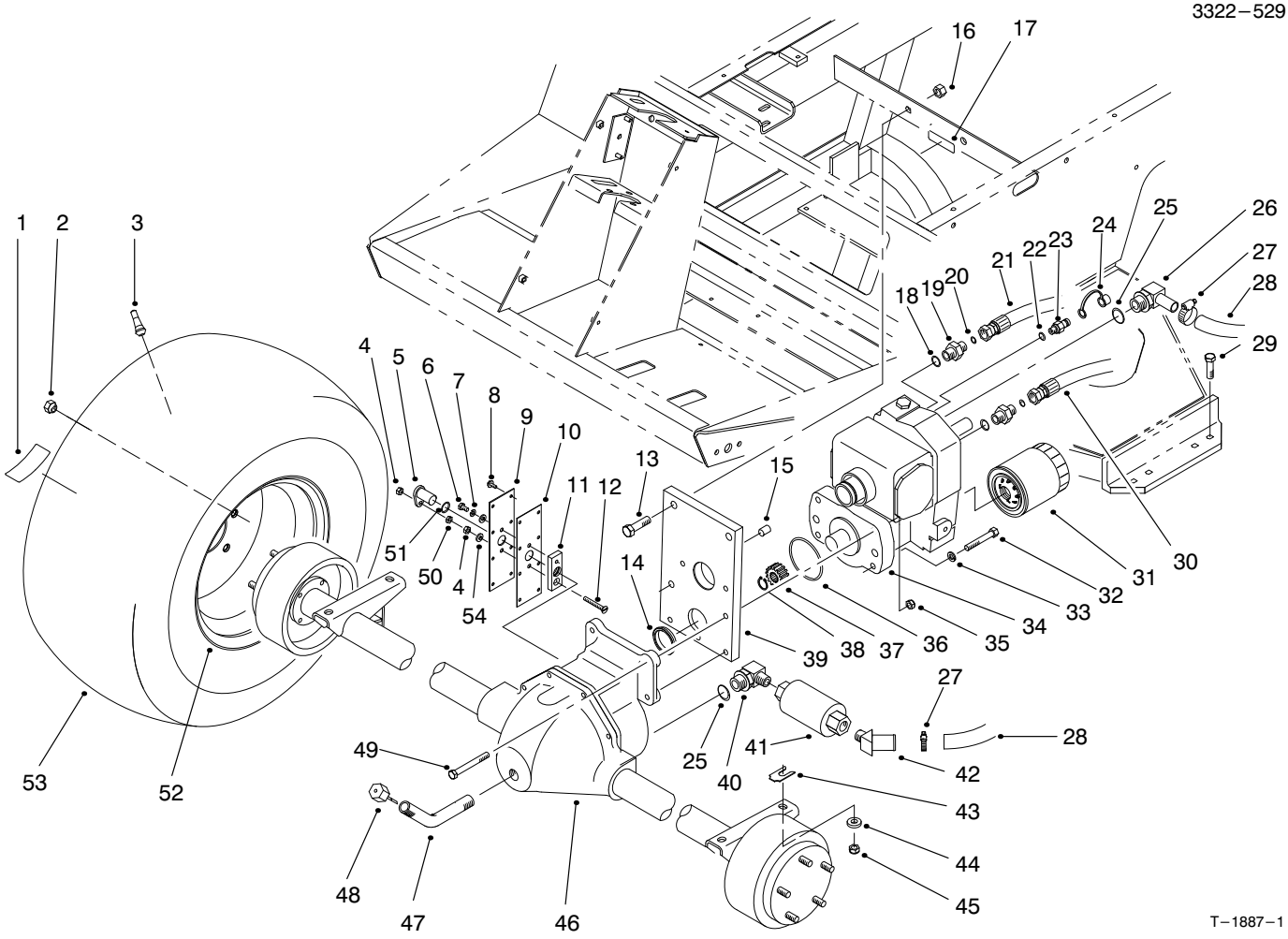
3322−529



FRONT AXLE & TRANSMISSION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	76−8730	Decal−Bolt Torque	2
2	23−7270	Nut−Lug	10
3	232−27	Stem−Valve	2
4	3296−56	Nut−Lock	2
5	85−4350	Sensor−Gear Tooth	1
6	321−2	Screw−HH	1
7	3253−3	Washer−Lock	1
8	32144−112	Screw−HH	8
9	85−4330	Cover−Gear	1
10	92−5797	Gasket−Axle	1
11	85−4340	Plate−Sensor Mounting	1
12	32108−9	Screw−Machine	1
13	325−7	Screw−HH	2
14	75−3110	Collar−Transmission	1
15	92−4808	Sleeve−Trans. Pilot	1
16	3296−23	Nut−Lock	2
17	93−6691	Decal−Bolt	1
18	237−79	O−Ring	2
19	340−3	Fitting−Hydraulic, Straight (Incl. Ref. #18 & 20)	2
20	237−22	O−Ring	2
21	93−0076	Hose−Hydraulic	1
22	237−78	O−Ring	1
23	354−77	Fitting−Hydraulic Test Port (Incl. Ref. #22)	1
24	354−79	Cap−Test Port	1

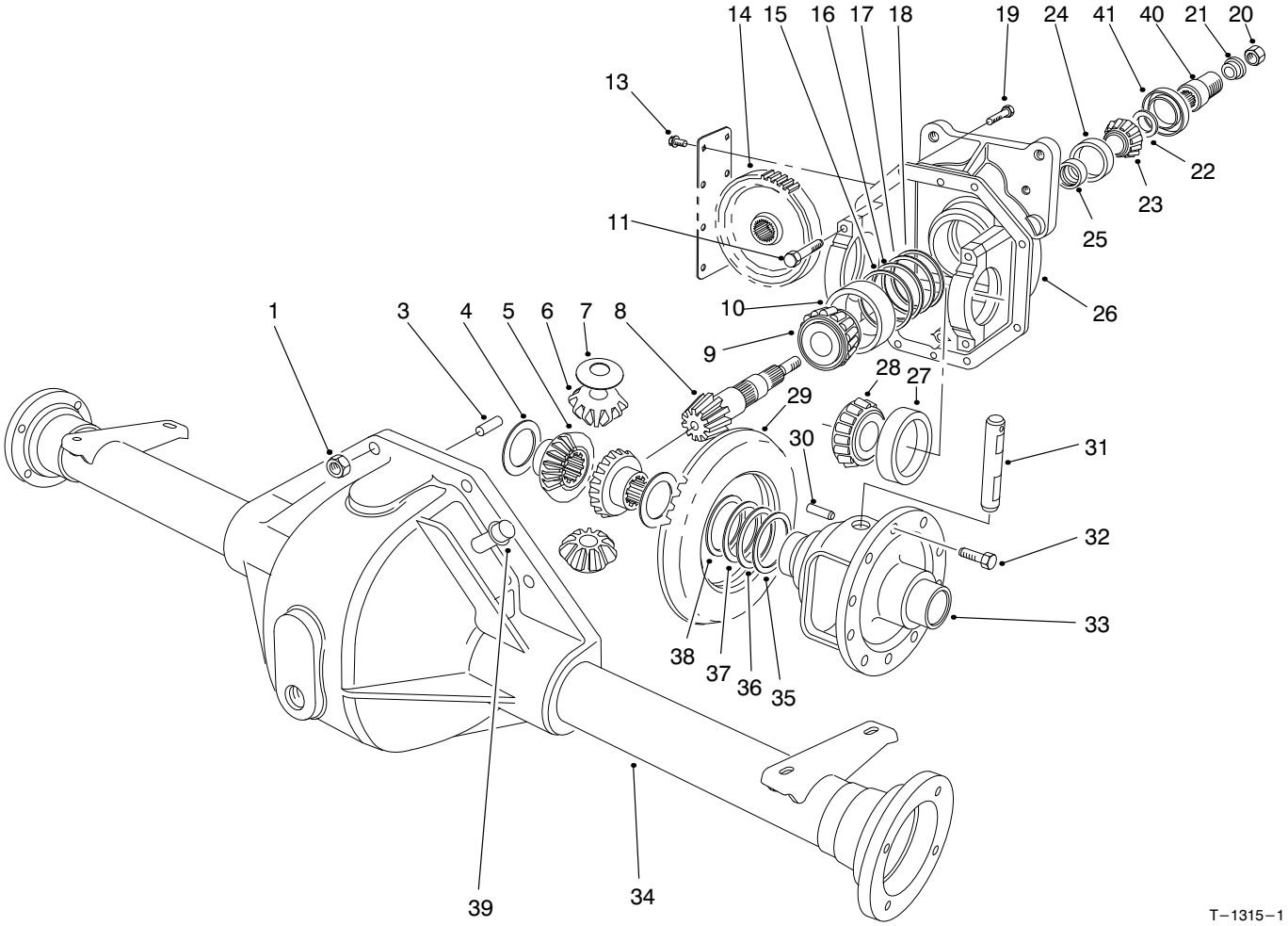
Ref. No.	Part No.	Description	No. Used
25	237−81	O−Ring	2
26	75−4720	Fitting−Hydraulic 90° (Incl. Ref. #25)	1
27	2412−129	Clamp−Hose	2
28	75−6350	Hose	1
29	324−7	Screw−HH	4
30	93−0075	Hose−Hydraulic	1
31	75−1330	Filter−Oil	1
32	323−12	Screw−HH	2
33	3253−21	Washer−Lock	2
34	75−0012	Asm−Transmission	1
35	3296−39	Nut−Lock	2
36	237−161	O−Ring	1
37	86−7220	Gear−Pinion	1
38	32151−62	Ring−Retaining	1
39	92−4846	Asm−Trans. Support (Incl. Ref. #14 & 15)	1
40	354−75	Fitting−Hydraulic 90° (Incl. Ref. #25)	1
41	75−6340	Strainer−In−Line	1
42	354−72	Fitting−Hydraulic 45°	1
43	42−6080	Shim−Axle	A/R
44	66−6480	Washer−Flat	4
45	3296−48	Nut−Lock	4
46	94−6933	Asm−Front Axle	1
47	75−6850	Tube−Oil Fill	1



FRONT AXLE & TRANSMISSION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	27–3710	Dipstick–Axle	1
49	323–20	Screw–HH	2
50	3218–1	Nut–Jam	1
51	237–181	O–Ring	1

Ref. No.	Part No.	Description	No. Used
52	217–120	Rim	2
53	231–134	Tire	2
54	3256–22	Washer–Flat	2

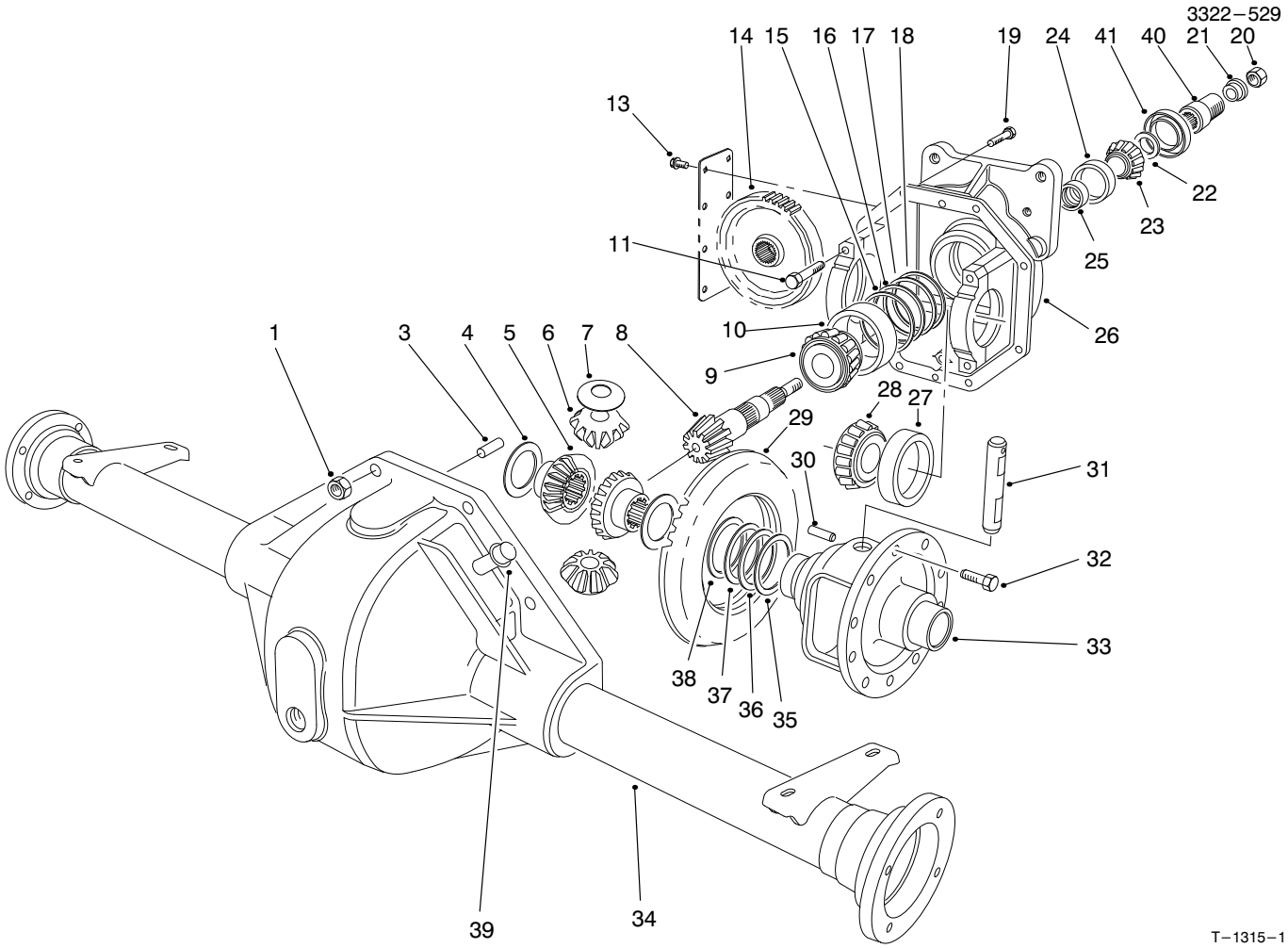


FRONT AXLE ASSEMBLY NO. 94–6933

Ref. No.	Part No.	Description	No. Used
1	32144–5	Nut	8
3	21–8270	Pin–Dowel	2
4	21–7720	Washer–Thrust	2
5	24–8790	Gear–Bevel, Differential	2
6	21–7690	Gear–Pinion	2
7	21–7730	Washer–Thrust	2
†8		Pinion–Drive	1
9	43–6760	Cone–Bearing, tapered	1
10	43–6750	Cup–Bearing, Tapered	1
11	92–1773	Screw–HH	4
13	32144–112	Screw–Thread Forming	8
14	86–7230	Gear–Spur	1
15	43–6710	Diff. Adjust. Shim .003	A/R
16	43–6711	Diff. Adjust. Shim .005	A/R
17	43–6712	Diff. Adjust. Shim .010	A/R
18	43–6713	Diff. Adjust. Shim .030	A/R
19	3210–8	Screw–HH	8
20	71–4350	Nut	1
21	83–5130	Spacer–Pinion	1
22	72–3570	Shim .094–Diff. Adjust.	A/R
*	72–3571	Shim .096–Diff. Adjust.	A/R
*	72–3572	Shim .098–Diff. Adjust.	A/R
22	72–3573	Shim .100–Diff. Adjust.	A/R

Ref. No.	Part No.	Description	No. Used
*	72–3574	Shim .102–Diff. Adjust.	A/R
*	72–3575	Shim .104–Diff. Adjust.	A/R
*	72–3576	Shim .106–Diff. Adjust.	A/R
*	72–3577	Shim .108–Diff. Adjust.	A/R
*	72–3578	Shim .110–Diff. Adjust.	A/R
*	72–3580	Shim .112–Diff. Adjust.	A/R
*	72–3581	Shim .114–Diff. Adjust.	A/R
*	72–3582	Shim .116–Diff. Adjust.	A/R
*	72–3583	Shim .118–Diff. Adjust.	A/R
*	72–3584	Shim .120–Diff. Adjust.	A/R
*	72–3585	Shim .125–Diff. Adjust.	A/R
*	72–3586	Shim .127–Diff. Adjust.	A/R
*	72–3587	Shim .129–Diff. Adjust.	A/R
*	72–3588	Shim .131–Diff. Adjust.	A/R
*	72–3590	Shim .133–Diff. Adjust.	A/R
*	72–3591	Shim .135–Diff. Adjust.	A/R
*	72–3592	Shim .137–Diff. Adjust.	A/R
*	72–3593	Shim .139–Diff. Adjust.	A/R
*	72–3594	Shim .141–Diff. Adjust.	A/R
*	72–3595	Shim .143–Diff. Adjust.	A/R
*	72–3596	Shim .145–Diff. Adjust.	A/R
*	72–3597	Shim .147–Diff. Adjust.	A/R
*	72–3598	Shim .149–Diff. Adjust.	A/R

*Not Illustrated
†Not Serviced Separately



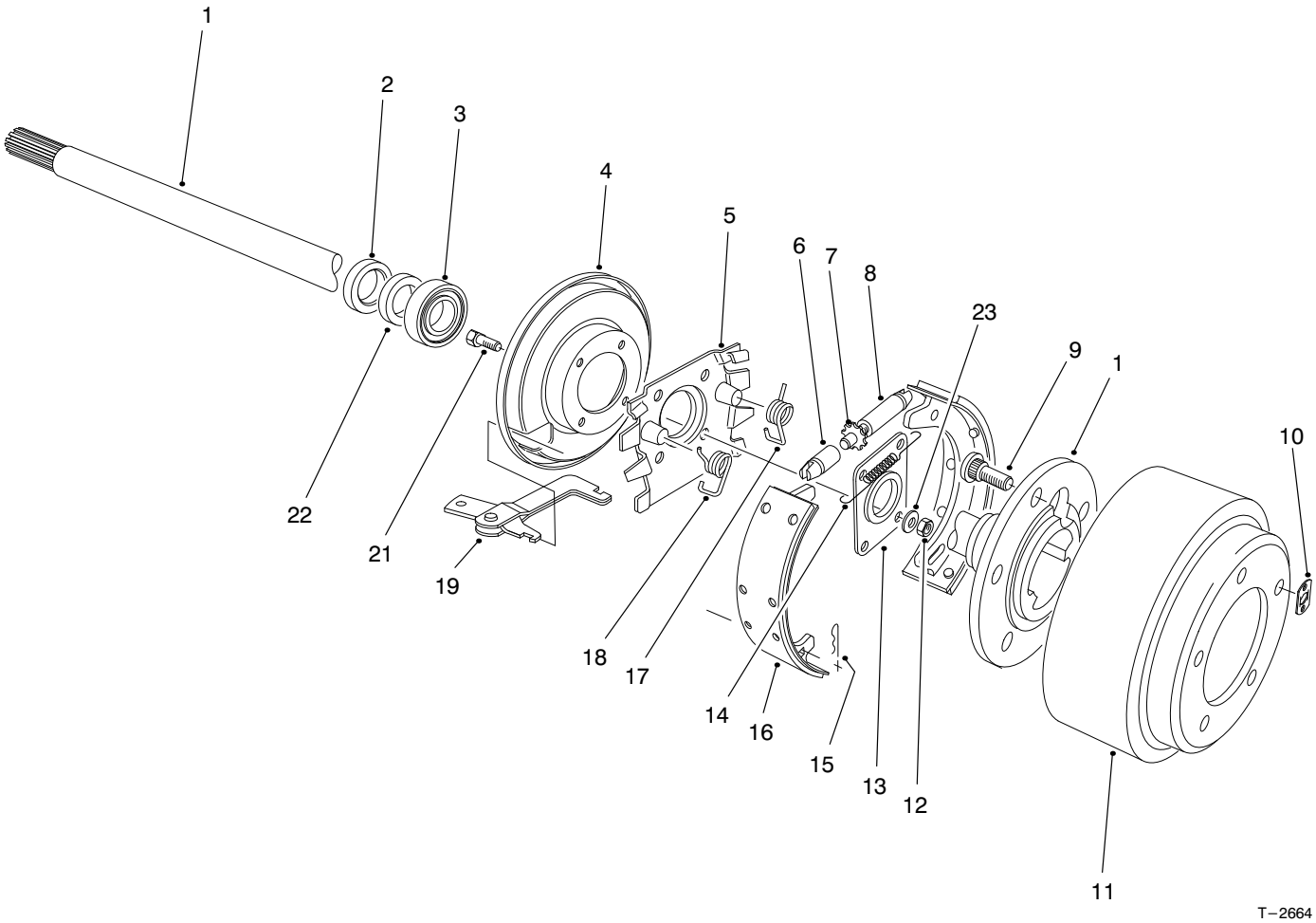
FRONT AXLE ASSEMBLY NO. 94–6933 (Continued)

Ref. No.	Part No.	Description	No. Used
22	72–3600	Shim .151–Diff. Adjust.	A/R
23	254–91	Cone–Bearing	1
24	21–8390	Cup–Bearing	1
25	21–8020	Spacer–Front Pinion	1
26	93–3619	Upper Housing (Incl. Ref. #11)	1
27	254–66	Cup–Tapered Bearing	2
28	254–65	Cone–Tapered Bearing	2
†29		Gear–Ring	1
30	21–7710	Pin–Roll	1
31	21–7700	Shaft–Pinion Mate	1
32	21–7770	Screw–Drive Gear	5
33	21–7670	Case–Differential	1

Ref. No.	Part No.	Description	No. Used
34	75–0721	Housing–Lower	1
35	21–8120	Diff. Adjust. Shim .030	A/R
36	21–8110	Diff. Adjust. Shim .010	A/R
37	21–8100	Diff. Adjust. Shim .005	A/R
38	21–8090	Diff. Adjust. Shim .003	A/R
39	72–9420	Asm–Vent Tube	1
40	83–4910	Coupler–Pinion	1
41	71–4330	Seal	1
*	93–3618	Asm–Gear & Pinion (Incl. Ref. #8 & 29)	1
*	93–3617	Asm–Differential (Incl. Ref. #4–10, 14–33, 35–38, 40 & 41)	1

*Not Illustrated
†Not Serviced Separately

3322–529

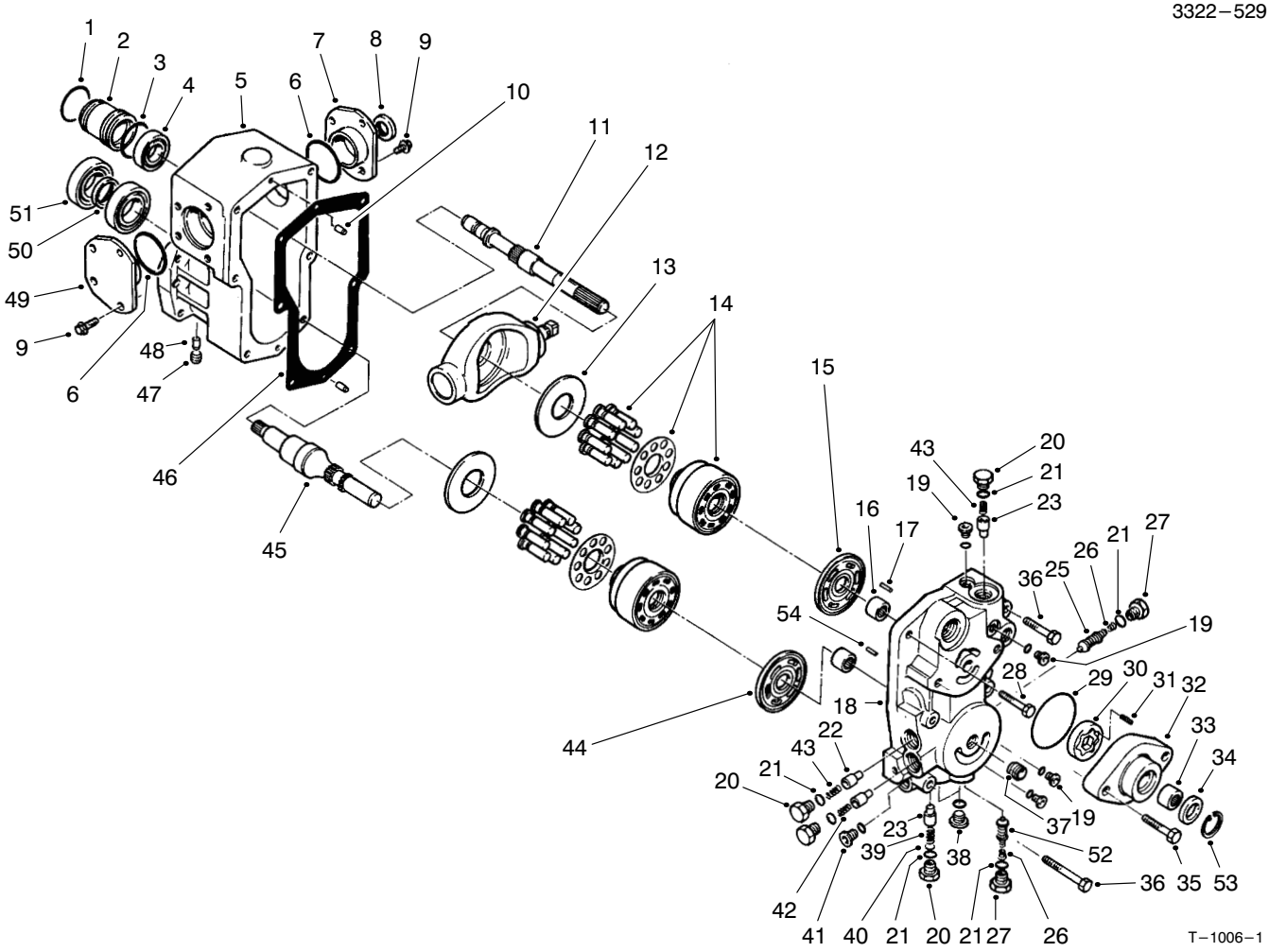


BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27–6862	Shaft–Axle, Flanged LH	1
*	27–6852	Shaft–Axle, Flanged RH	1
2	99–6969	Seal–Oil	2
3	21–8180	Bearing	2
4	21–9450	Shield–Dust	2
5	43–6810	Spider–Torque	2
6	21–9390	Socket–Adjusting Screw	2
7	21–9370	Screw–Adjusting	2
8	21–9380	Nut–Pivot	2
9	242–34	Stud–Flange, Axle	10
10	21–8360	Clip–Retaining	2
11	28–0680	Drum–Brake	2
12	94–6935	Nut–Lock	8

Ref. No.	Part No.	Description	No. Used
13	28–0670	Seal–Oil	2
14	21–9440	Spring–Adjusting Screw	2
15	21–9460	Retainer–Brake, Parking	4
16	84–8590	Asm–Shoe & Lining	4
17	21–9420	Spring–Shoe Return, LH	2
18	21–9430	Spring–Shoe Return, RH	2
19	24–9180	Lever, Brake, Parking	2
21	94–6934	Screw–HSH	8
22	24–8840	Ring–Bearing, Wheel	2
23	94–6936	Washer–Flat	8
*	84–8600	Set of Lined Brake Shoes	1
*	92–8775	Kit–Gasket, Liquid	1

*Not Illustrated



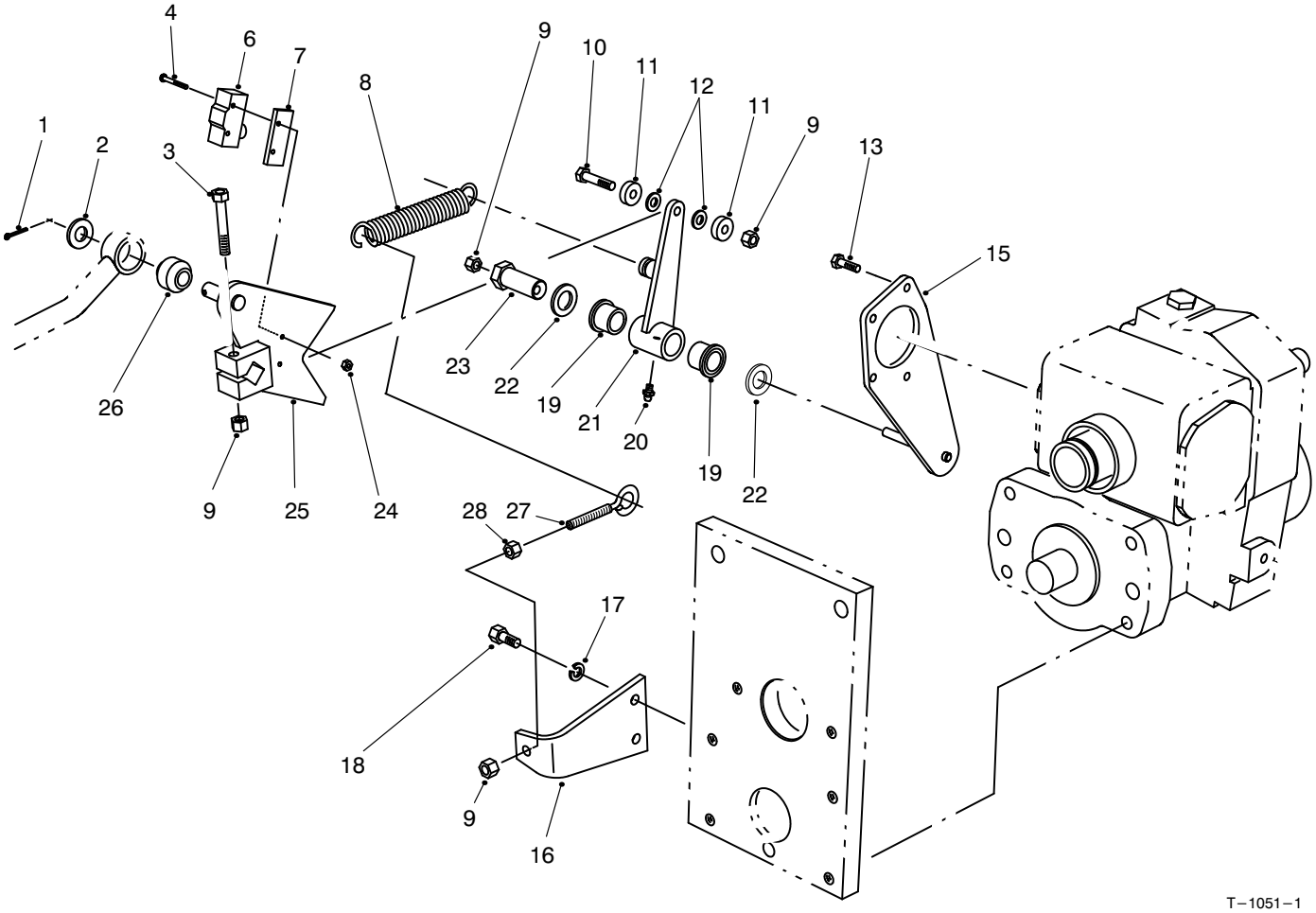
TRANSMISSION ASSEMBLY NO. 75–0012

Ref. No.	Part No.	Description	No. Used
1	75–0430	Ring–Retaining	1
2	75–0150	Guide–Seal	1
3	75–0410	O–Ring	1
4	75–0520	Bearing–Ball	1
5	75–0020	Housing	1
6	75–0210	O–Ring	2
7	86–7520	Asm–Trunnion Cover RH	1
8	75–0230	Seal–Lip	1
9	75–0090	Screw–HH	8
10	75–0480	Pin	2
11	86–7540	Shaft–Pump	1
12	75–0390	Plate–Swash	1
13	75–0400	Plate–Thrust	2
14	75–0470	Kit–Cylinder Block	2
15	75–0380	Plate–Valve	1
16	75–0500	Bearing–Needle	2
17	75–0510	Pin	1
18	75–0040	Center Section	1
19	75–0170	Plug–Straight Thread	4
20	75–0060	Plug	4
21	75–0240	O–Ring	6
22	75–0290	Spring	2
23	75–0260	Valve–Relief	4
24	75–0130	Screw–HH	3
25	93–0097	Valve–SCR	1
26	75–0140	Spring–Conical	1
27	75–0190	Plug–Special	2

Ref. No.	Part No.	Description	No. Used
28	75–0120	Screw–HH	1
29	75–0370	O–Ring	1
30	75–0360	Gerotor	1
31	75–0350	Pin	1
32	83–4780	Housing–Charge Pump	1
33	75–0340	Bearing–Needle	1
34	75–0330	Seal–Lip	1
35	75–0110	Screw–HH	2
36	75–0180	Screw–HH	2
37	75–0320	Nipple	1
38	75–0200	Plug–Straight Thread	2
39	75–0270	Spring	1
40	75–0310	Shim	1
41	75–0070	Plug	1
42	75–0280	Spring	1
44	93–0083	Plate–Valve	1
45	75–0440	Shaft–Motor	1
46	75–0030	Gasket–Housing	1
47	75–0160	Plug–Pipe	1
48	75–0220	Pin	2
49	86–7530	Asm–Trunnion Cover LH	1
50	75–0450	Collar	1
51	75–0460	Bearing–Ball	2
52	75–6930	Valve–SCR	1
53	32120–74	Ring–Retaining	1
54	75–0250	Pin–Slotted	1

*Not Illustrated

3322−529

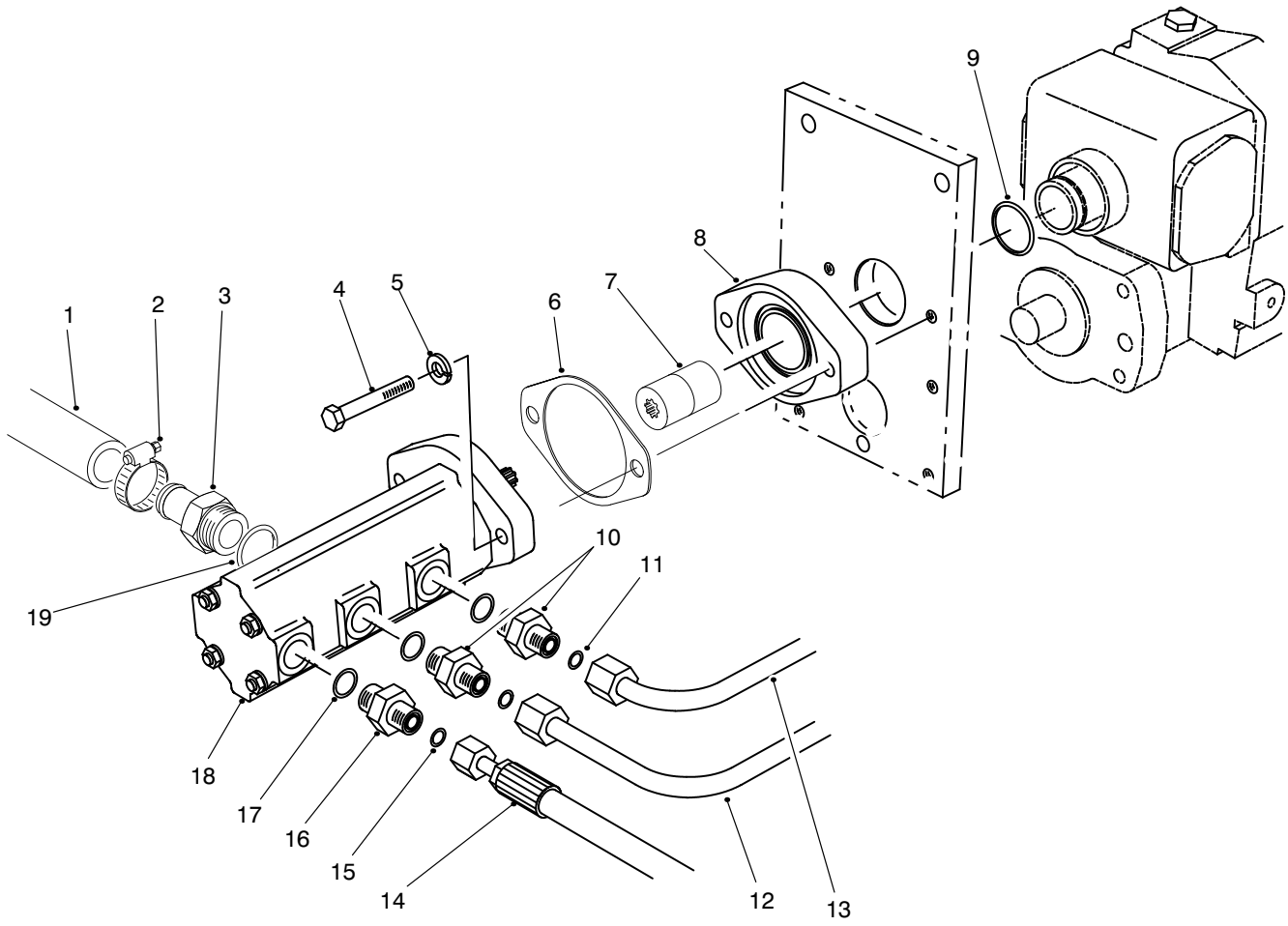


TRACTION CONTROL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3272−10	Pin−Cotter	1
2	3256−26	Washer−Flat	1
3	322−10	Screw−HH	1
4	32105−21	Screw	2
6	29−6162	Switch−Neutral	1
7	75−4130	Plate−Switch	1
8	76−9430	Spring−Extension	1
9	3296−29	Nut−Lock	4
10	322−7	Screw−HH	1
11	251−259	Bearing−Ball	2
12	75−5470	Spacer	2
13	32144−22	Screw−HH	4
15	75−4080	Plate−Traction	1
16	85−9900	Plate−Spring Anchor	1

Ref. No.	Part No.	Description	No. Used
17	3253−4	Washer−Lock	2
18	322−3	Screw−HH	2
19	256−113	Bushing−Flange	2
20	302−5	Fitting−Grease	1
21	92−2581	Asm−Switch Arm (Incl. Ref. #19 & 20)	1
22	3−6498	Washer−Thrust	2
23	76−8640	Stud−Traction	1
24	3296−9	Nut−Hex.	2
25	75−4100	Control−Pump	1
26	23−2270	Bushing−Rubber	1
27	85−9910	Eyebolt	1
28	3217−6	Nut−Hex.	1

3322–529

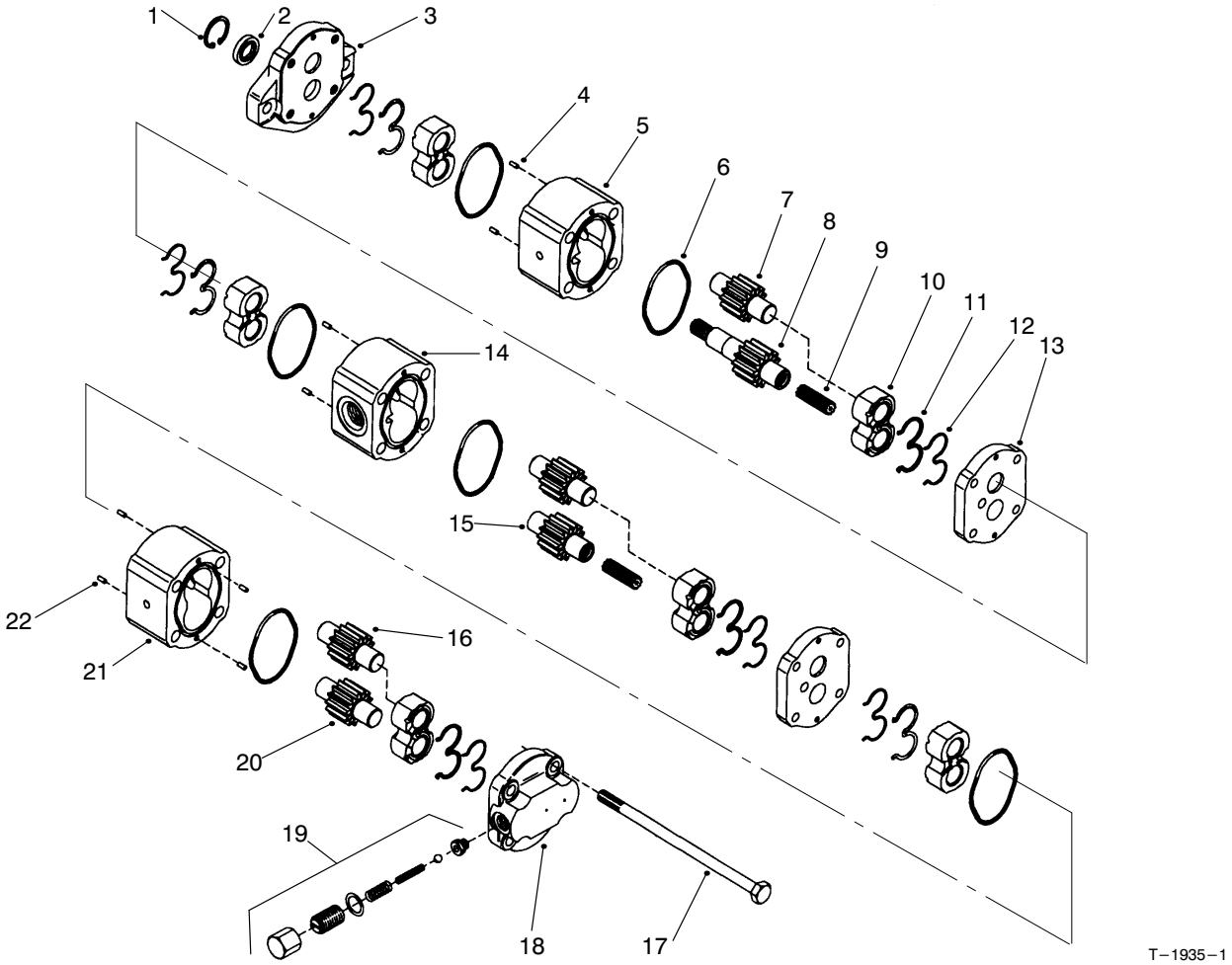


T–1928–1

GEAR PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75–6870	Hose–Suction	1
2	2412–34	Clamp–Hose	1
3	354–78	Fitting–Hydraulic (Incl. Ref. #19)	1
4	323–12	Screw–HH	2
5	3253–5	Washer–Lock	2
6	93–3604	Gasket	1
7	93–1396	Coupler–Trans.	1
8	75–4400	Adaptor–Transmission	1
9	237–163	O–Ring	1
10	340–4	Fitting–Hydraulic Straight (Incl. Ref. #11 & 17)	2

Ref. No.	Part No.	Description	No. Used
11	237–30	O–Ring	2
12	93–3643	Tube–Hydraulic	1
13	93–3642	Tube–Hydraulic	1
14	75–6240	Hose–Hydraulic	1
15	237–22	O–Ring	1
16	340–3	Fitting–Hydraulic Straight (Incl. Ref. #15 & 17)	1
17	237–79	O–Ring	3
18	98–9796	Asm–Pump, Gear	1
19	237–146	O–Ring	1

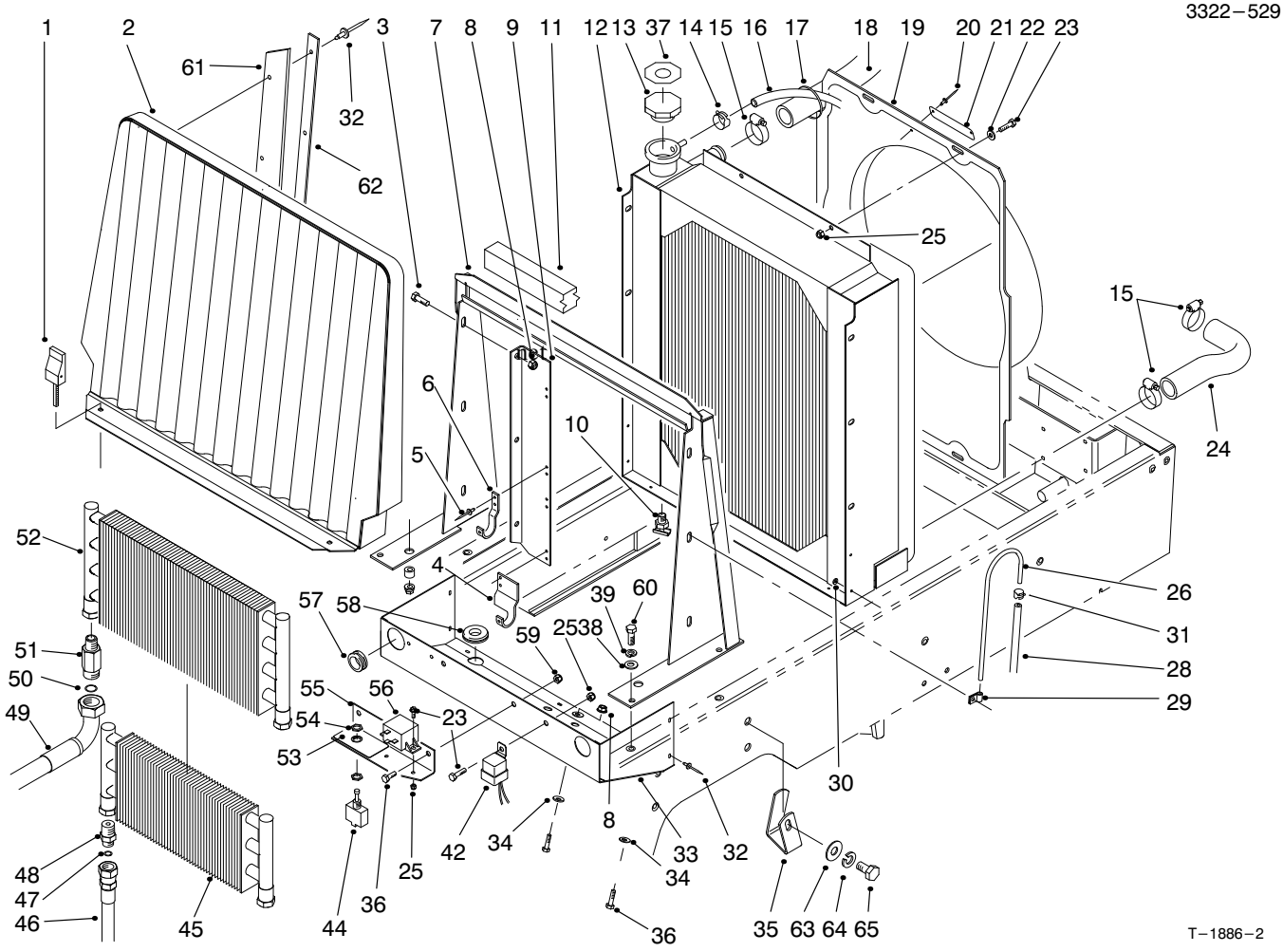


HYDRAULIC PUMP NO. 98−9796

Ref. No.	Part No.	Description	No. Used
1		Ring−Retaining	1
2		Seal−Shaft	1
3		Flange	1
4	93−4278	Pin−Dowel	4
5		Housing	1
6		O−Ring	2
7		Gear−Idler	1
8		Gear−Drive	1
9	93−4280	Coupling	2
10		Bearing	2
11		E−Seal	2
12		Ring−Backup	2
13	93−4279	Plate−Distance	2
14		Housing	1
15		Gear−Idler	1
16		Gear−Idler	1
17	93−4283	Bolt	4

Ref. No.	Part No.	Description	No. Used
18	93−4282	Block−Valve	1
19	93−4277	Kit−Valve	1
20		Gear−Idler	1
21		Housing	1
22	93−4281	Pin−Dowel	4
*	93−4268	Kit−Flange (Incl. Ref. #1−3)	1
*	98−9798	Kit−Housing, Section 1 (Incl. Ref. #6, 7, 10−12, 14 & 15)	1
*	98−9797	Kit−Housing, Section 2 (Incl. Ref. #5−8, & 10−12)	1
*	98−9799	Kit−Housing, Section 3 (Incl. Ref. #6,10−12, 16, & 20−21)	1
*	99−8353	Kit−Individual Pieces (Incl. Ref. #2, 6, 11, & 12)	1

*Not Illustrated

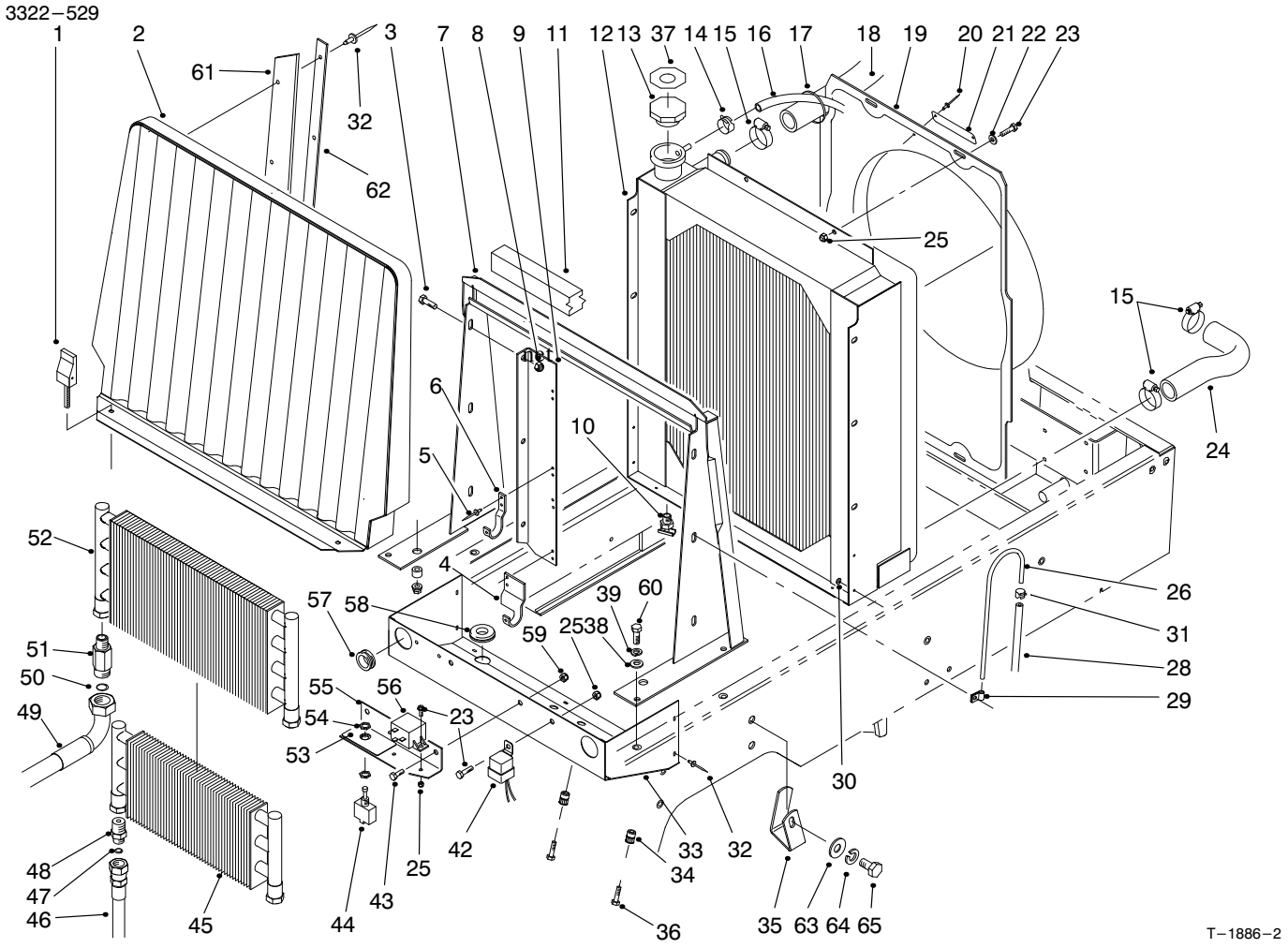


RADIATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93–1374	Latch–Swell	2
2	93–0032	Housing–Front Screen	1
3	3234–5	Screw–Whiz Lock	6
4	93–0090	Bracket–Mount RH, Cooler	1
*4	93–0089	Bracket–Mount LH, Cooler	1
5	3269–15	Rivet–Pop	8
6	75–0930	Hook–Oil Cooler	4
7	98–9317	Support–Radiator	1
8	32128–20	Nut–Whiz	8
9	93–0030	Asm–Cooler Mount RH (Incl. Ref. #4–6)	1
*	93–0071	Asm–Cooler Mount LH (Incl. Ref. #*4–6)	1
10	304–46	Drain–Radiator	1
11	93–0005	Strip–Foam, Top	1
12	98–4507	Radiator	1
13	66–3240	Cap–Radiator	1
14	92–2379	Clamp–Hose	1
15	2412–34	Clamp–Hose	4
16	75–2851	Hose–Expansion Tank	1
17	3290–378	Tie–Cable	1
18	98–4511	Hose–Radiator Upper	1
19	98–4571	Shroud–Fan	1
20	3290–271	Rivet–Pop	2

Ref. No.	Part No.	Description	No. Used
21	98–9335	Plate–Caution	1
22	3256–22	Washer–Flat	4
23	321–4	Screw–HH	7
24	98–4512	Hose–Radiator Lower	1
25	3296–42	Nut–Lock	7
26	66–3180	Tube–Vent	1
28	75–4701	Hose–Fuel Vent	1
29	2412–103	Clamp–R	2
30	3269–10	Washer–Back–up	5
31	2412–98	Clamp–Hose	1
32	3269–13	Rivet–Pop	15
33	93–0025	Shield–Radiator	1
34	3256–2	Washer–Flat	4
35	98–4591	Clamp–Hose LH	1
*	98–4592	Clamp–Hose RH	1
36	322–2	Screw–HH	4
37	93–7840	Decal–Radiator Cap	1
38	3256–23	Washer–Flat	4
39	3253–4	Washer–Lock	4
42	63–7590	Relay–Starter	1
44	99–8352	Switch–Backlap (Incl. Ref. #54)	1
45	24–0760	Exchanger–Heat	1

*Not Illustrated

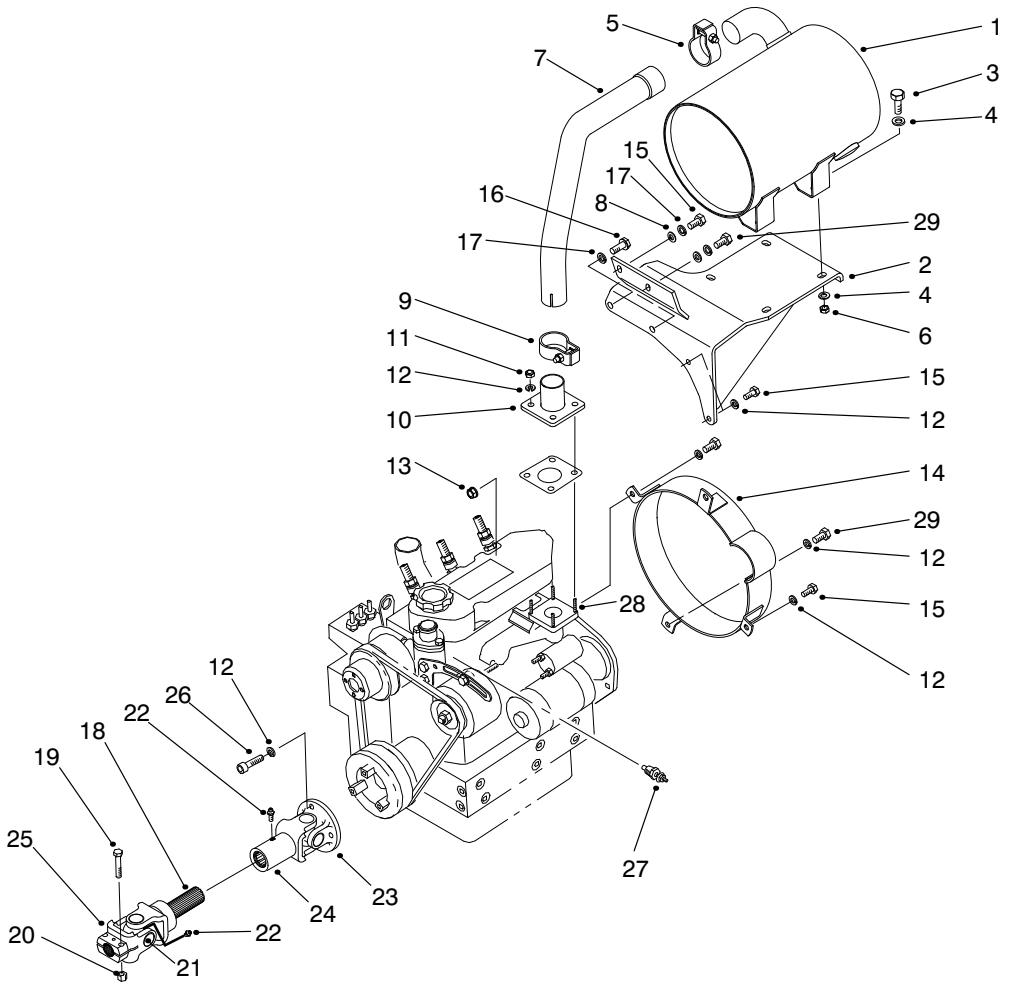


RADIATOR ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
46	93–0076	Hose–Trans. to Cooler	1
*	93–0075	Hose–Trans. to Cooler	1
47	237–22	O–Ring	2
48	340–124	Fitting–Straight (Incl. Ref. #47)	2
49	93–0077	Hose–Cooler, RH	1
*	93–0078	Hose–Cooler, LH	1
50	237–65	O–Ring	2
51	92–4999	Fitting–Hydraulic 90° (Incl. Ref. #50)	2
52	75–1040	Cooler–Oil	1
53	93–6684	Decal–Backlap	1
53	84–3260	Decal–Backlap (Japan)	1

Ref. No.	Part No.	Description	No. Used
54	218–498	Nut–Lock	2
55	75–3390	Bracket–Backlap	1
56	66–8800	Relay–Glow Plug	1
57	240–3	Grommet	2
58	93–0082	Grommet	2
59	3296–29	Nut–Lock	2
60	322–5	Screw–HH	4
61	93–3623	Strip–Sealing, Radiator	2
62	93–3624	Plate–Retaining	2
63	3256–26	Washer–Flat	2
64	3253–7	Washer–Lock	2
65	325–2	Screw–HH	2

*Not Illustrated



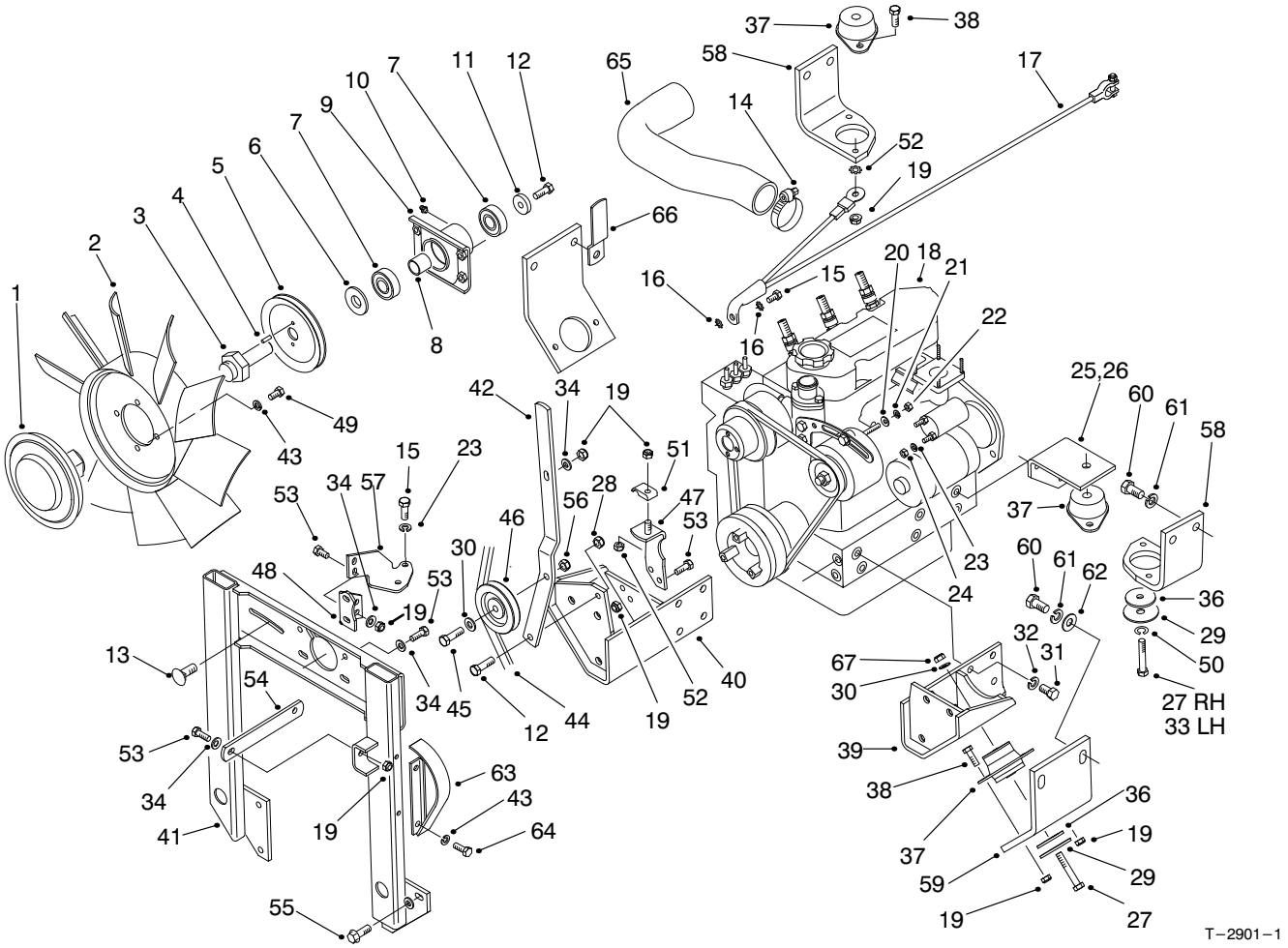
T–2900–2

MUFFLER & PUMP DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–9794	Muffler	1
2	98–4555	Bracket–Muffler	1
3	323–6	Screw–HH	4
4	3256–4	Washer–Flat	8
5	98–9310	Clamp–Muffler	1
6	3296–39	Nut–Lock	4
7	98–9745	Tube–Exhaust	1
8	33094–00	Washer–Flat	2
9	98–9309	Clamp–Muffler	1
10	98–4527	Pipe–Engine Exhaust	1
11	33014–00	Nut–Lock	4
12	42–9850	Washer–Lock	9
13	33024–00	Nut–Lock	1
14	98–4564	Guard–Flywheel	1
15	33114–025	Screw–HH	5
16	43–0090	Screw–HH	2
17	42–9600	Washer–Lock	2

Ref. No.	Part No.	Description	No. Used
18	98–9765	Yoke–Shaft	1
19	322–9	Screw–HH	2
20	3296–29	Nut–Lock	2
21	98–9766	Kit–U–Joint	2
22	302–5	Fitting–Grease	2
23	98–9769	Yoke–Flange	1
24	98–9767	Yoke–Slip Tube	1
25	98–9768	Yoke–End	1
26	98–9322	Screw–HSH	3
27	98–9346	Sender–Temp.	1
28	42–9560	Stud	4
29	33114–020	Screw–HH	2
*	98–4593	Asm–Drive Shaft (Incl. Ref. #18, 21–25)	1
*	75–6880	Screen–Spark Arrester (Optional)	1

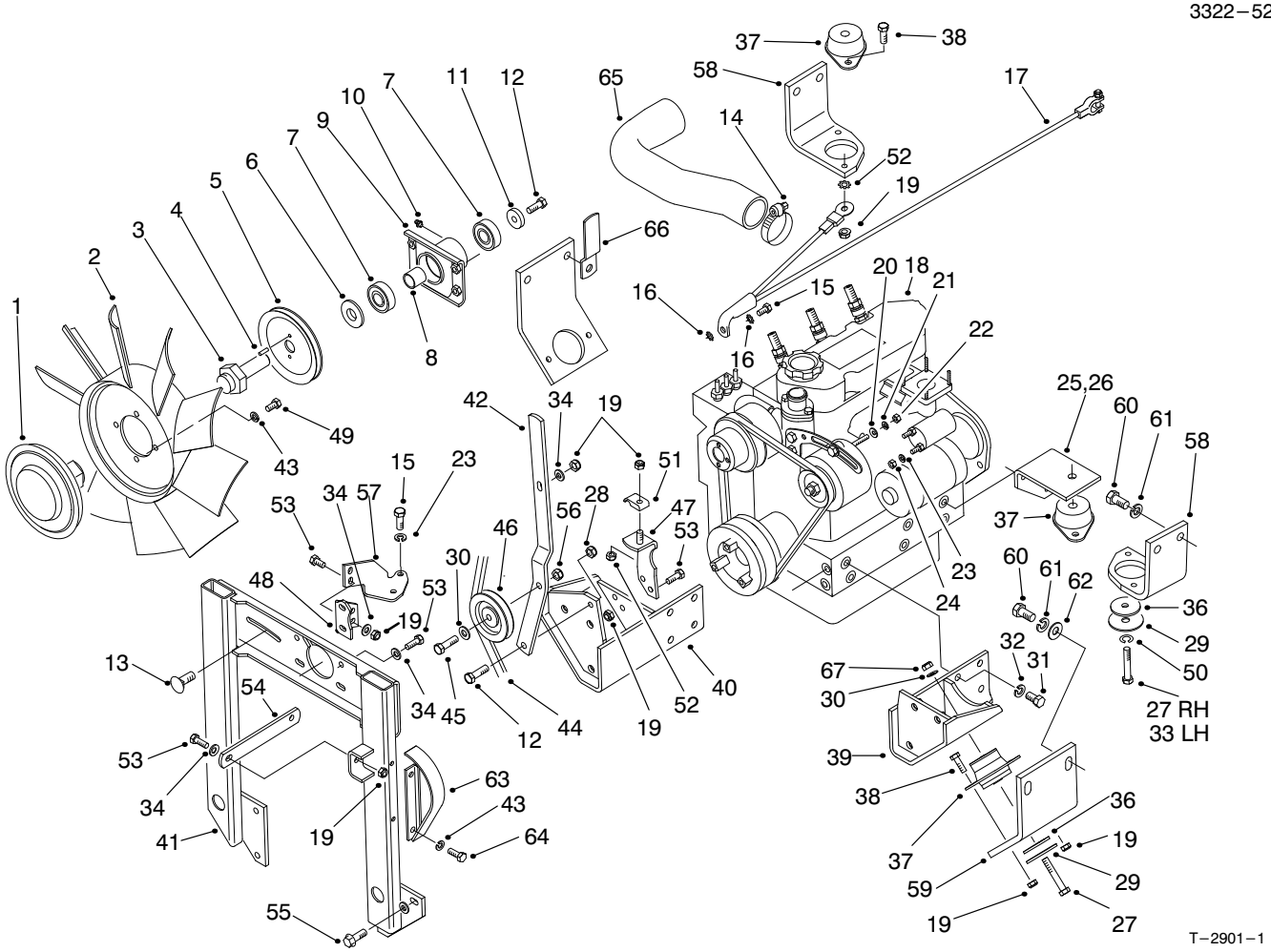
*Not Illustrated



ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	74−5520	Clutch−Fan	1
2	75−3780	Fan	1
3	75−6380	Shaft−Fan	1
4	32121−2	Pin−Roll	2
5	98−9313	Pulley−Fan	1
6	47−0110	Spacer−Spindle	1
7	251−318	Bearing−Ball	2
8	75−5310	Spacer−Bearing	1
9	75−4450	Hub−Fan Drive	1
10	302−10	Fitting−Grease 45°	1
11	67−1630	Spacer−Fan	1
12	323−6	Screw−HH	2
13	3230−2	Bolt−Carriage	1
14	2412−92	Clamp−Hose	1
15	98−9322	Screw−HH	1
16	3255−9	Washer−Lock	2
17	98−4598	Cable−Battery (Ground)	1
18	99−8980	Asm−Engine	1
19	3296−29	Nut−Lock	15
20	3256−78	Washer−Flat	1
21	43−5930	Washer−Lock	1
22	48−7890	Nut−Hex.	1
23	42−9850	Washer−Lock	2

Ref. No.	Part No.	Description	No. Used
24	57−6390	Nut−Lock	1
25	98−4515	Bracket−Engine LH Rear	1
26	94−4514	Bracket−Engine RH Rear	1
27	323−12	Screw−HH RH	3
28	3296−39	Nut−Lock	1
29	87−5100	Washer−Snubbing	4
30	3256−24	Washer−Flat	5
31	43−0090	Screw−HH	14
32	42−9600	Washer−Lock	14
33	323−10	Screw−HH LH	1
34	3256−23	Washer−Flat	10
35	33114−016	Screw−HH	2
36	83−1050	Washer−Mount, Engine	4
37	83−1030	Mount−Engine	4
38	322−6	Screw−HH	8
39	98−4539	Bracket−Engine LH Front	1
40	98−4543	Bracket−Engine Mount RH	1
41	98−4530	Support−Fan, Engine	1
42	98−4575	Bracket−Fan Idler	1
43	3253−4	Washer−Lock	6
44	98−9312	Belt−V	1
45	323−8	Screw−HH	1
46	63−8140	Pulley−Idler	1

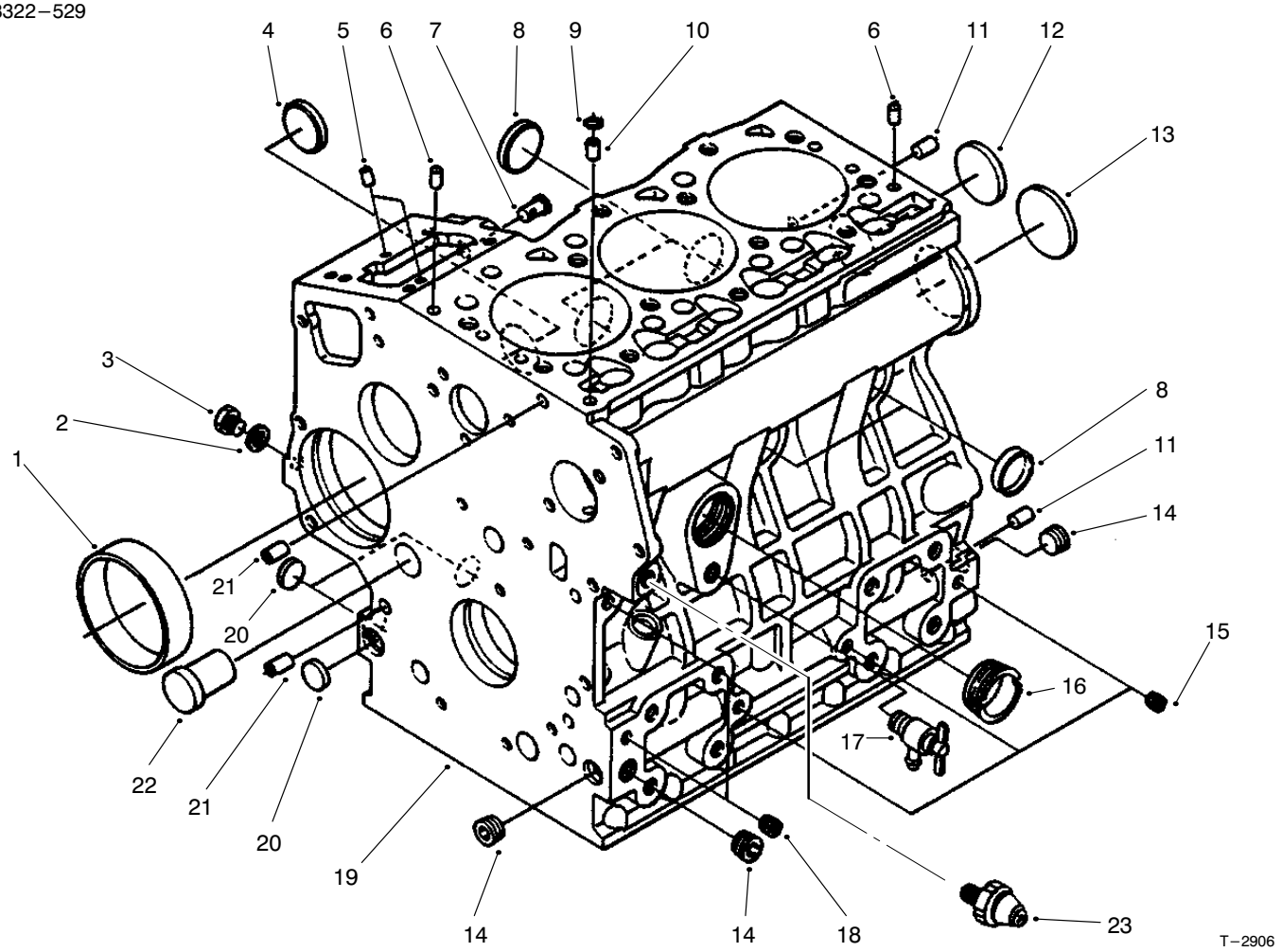


ENGINE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
47	98–9749	Bracket–Mount, Throttle	1
48	98–9740	Bracket–Support, Fan	1
49	322–2	Screw–HH	4
50	3253–21	Washer–Lock	1
51	3–6657	Clamp–Cable	1
52	3255–8	Washer–Lock	1
53	322–4	Screw–HH	9
54	98–4547	Plate–Mount, Fan	1
55	3234–29	Screw–HHF	6
56	3296–59	Nut–Lock	1
57	98–9741	Bracket–Mount, Fan	1

Ref. No.	Part No.	Description	No. Used
58	98–4513	Bracket–Eng. Left Rear	2
59	93–0095	Bracket–Eng. Front	2
60	3213–2	Screw–HH	8
61	3253–7	Washer–Lock	8
62	3256–40	Washer–Flat	4
63	98–4561	Shield–Alternator	1
64	32144–14	Screw–HH	2
65	98–4510	Hose–Air Cleaner	1
66	98–4594	Clamp–Retainer	1
67	32128–36	Nut–HFH	3

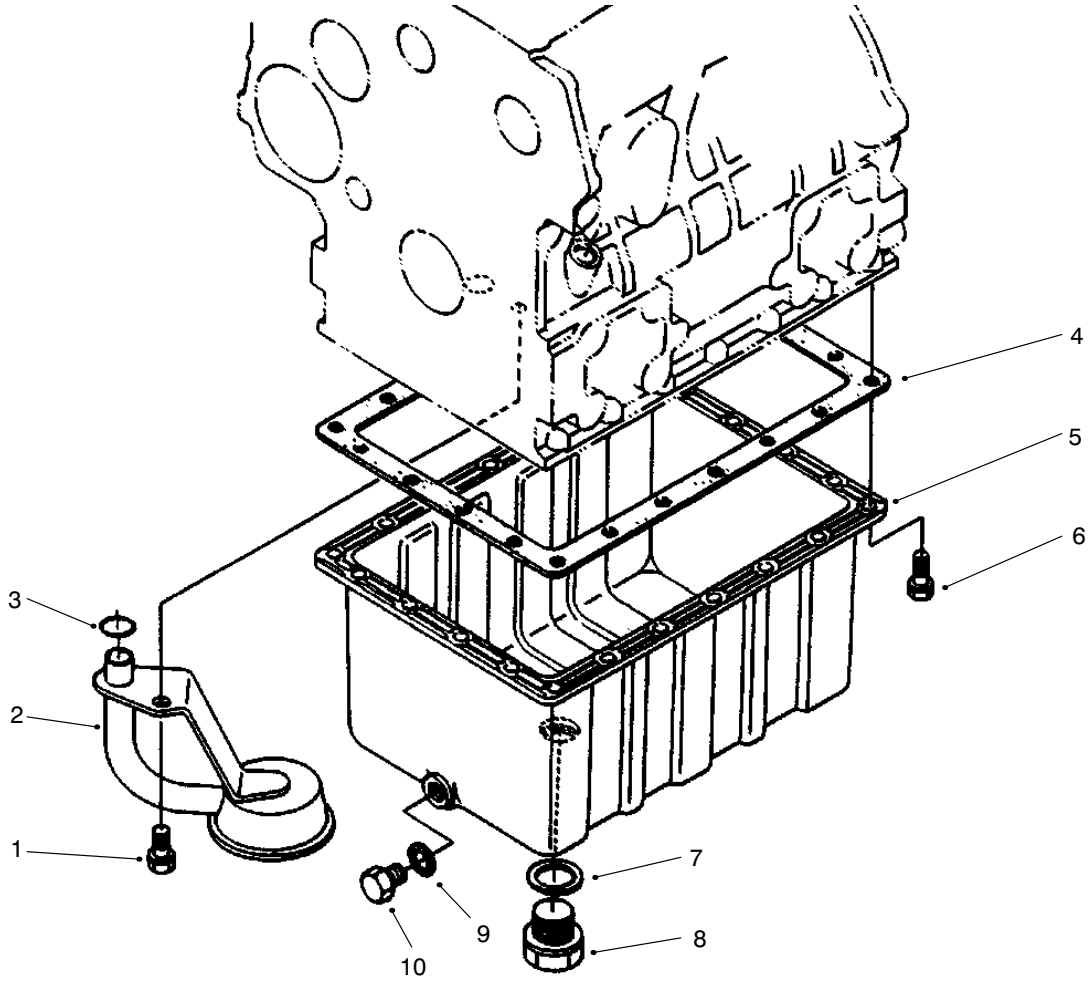
3322−529



CRANKCASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9656	Bushing−Governor, Gear	1
2	98−7428	Gasket	1
3	98−7507	Plug	1
4	98−9599	Plug	1
5	98−9375	Pin−Straight	2
6	98−9376	Pin−Straight	2
7	98−9630	Pin−Start Spring	1
8	98−9398	Cap−Sealing	4
9	98−9539	Pin−Pipe	1
10	98−7509	O−Ring	1
11	98−9377	Pin−Straight	2
12	98−7539	Cap−Sealing	1
13	98−9668	Plug	1

Ref. No.	Part No.	Description	No. Used
14	98−9597	Plug	3
15	98−7540	Plug	3
16	98−9667	Plug	1
17	98−9436	Asm−Cock, Drain	1
18	98−7487	Plug	2
19	98−9604	Asm−Crankcase (Incl. Ref. #1−8, 10−16. 18 & 20−22)	1
20	98−9379	Plug	3
21	98−9387	Pin−Pipe	2
22	98−9675	Plug	1
23	98−9416	Switch	1

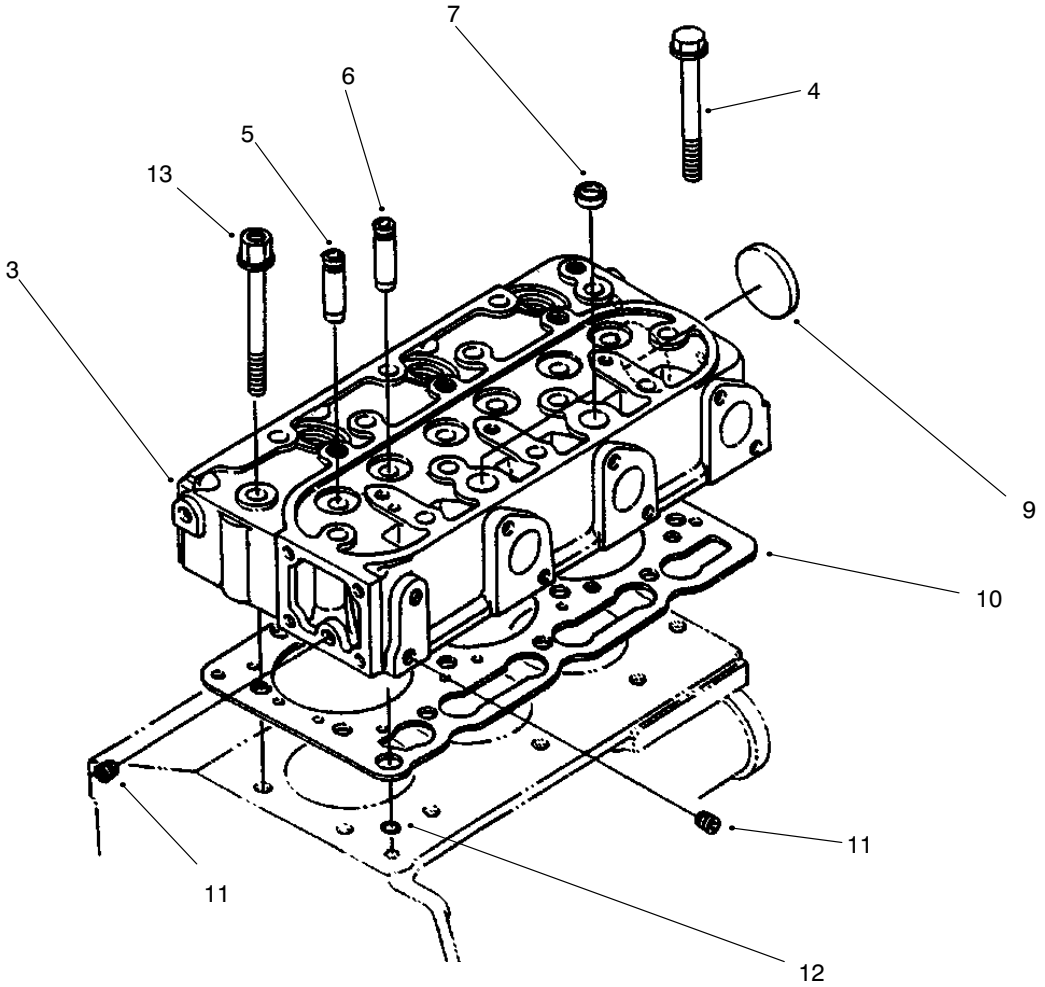


T−2907

OIL PAN ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9358	Bolt	1
2	98−9538	Filter−Oil	1
3	98−7527	O−Ring	1
4	98−9646	Gasket−Oil Pan	1
5	98−9685	Oil Pan	1

Ref. No.	Part No.	Description	No. Used
6	98−9350	Bolt	22
7	98−9399	Gasket	1
8	98−7523	Plug−Drain	1
9	98−7524	Gasket	1
10	98−9386	Plug	1

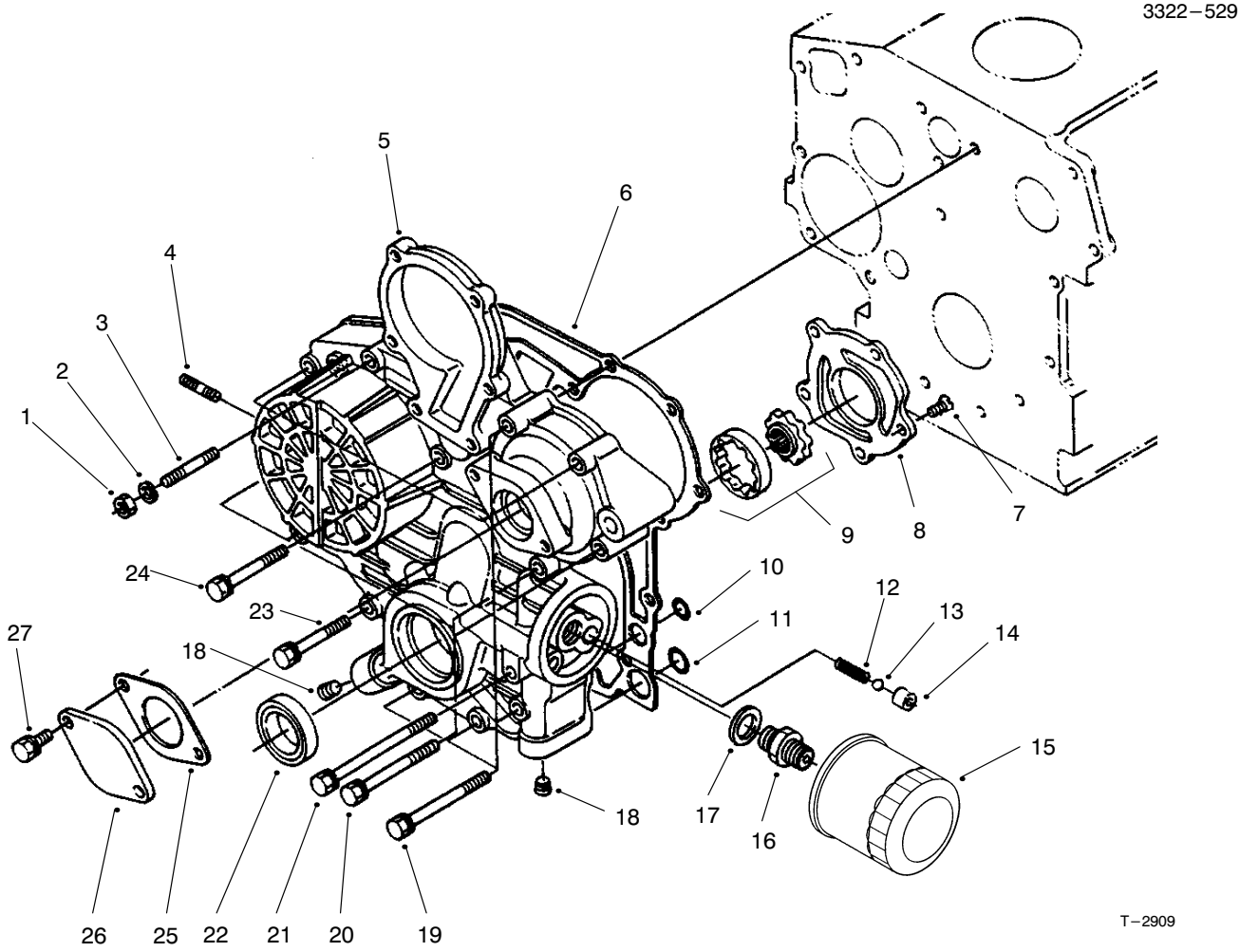


T−2908−1

CYLINDER HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
3	98−9460	Asm−Cylinder Head (Incl. Ref. #5−7, 9 & 11)	1
4	98−9479	Bolt−Cylinder Head	12
5	98−9499	Guide−Inlet Valve	3
6	98−9500	Guide−Exhaust Valve	3
7	98−9389	Cap−Sealing	2

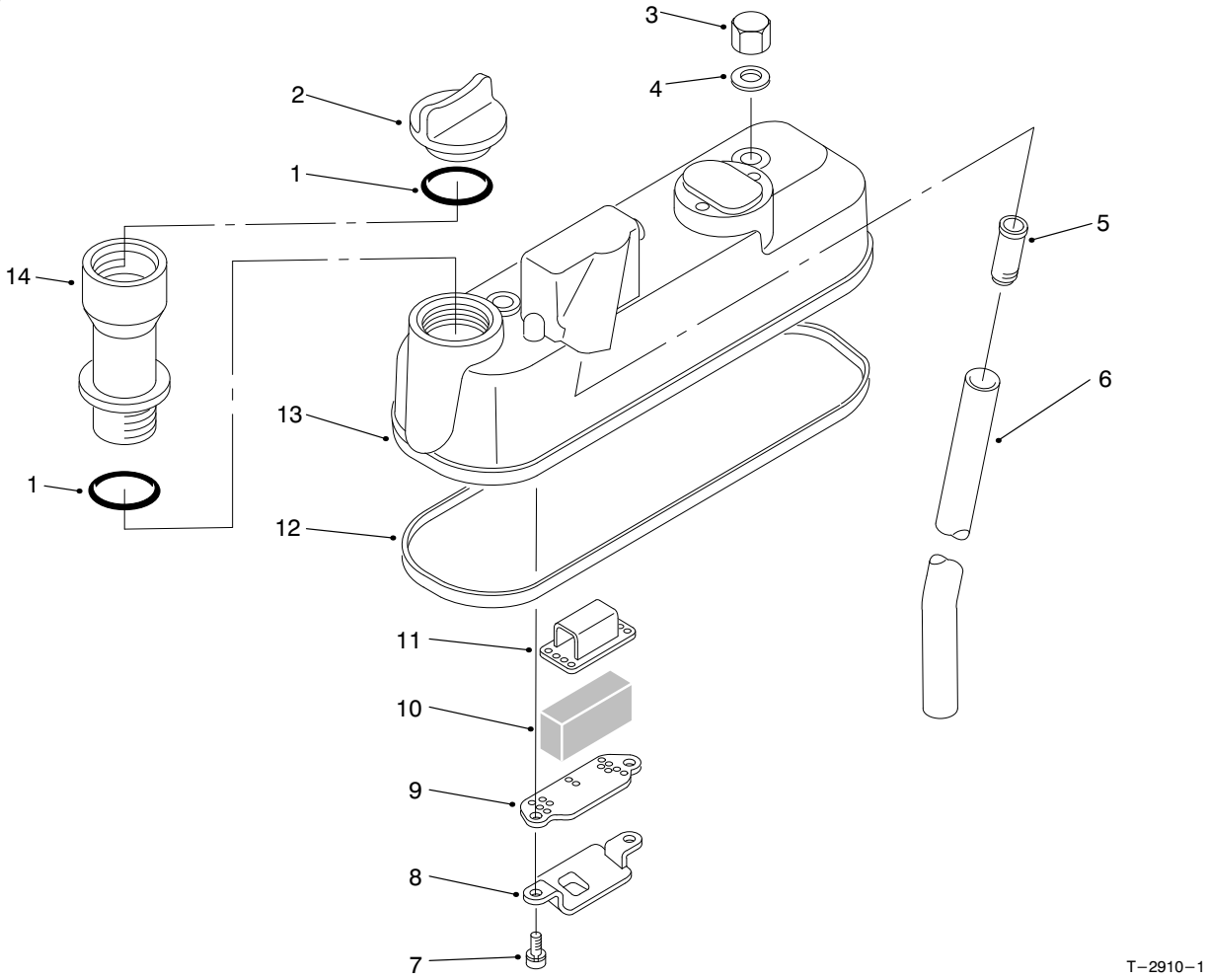
Ref. No.	Part No.	Description	No. Used
9	98−9395	Cap−Sealing	1
10	98−9613	Gasket−Cylinder Head	1
11	98−7540	Plug	2
12	98−7509	O−Ring	1
13	98−9647	Bolt−Cylinder Head	2



GEAR CASE & OIL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–7572	Nut	1
2	98–9367	Washer–Lock	1
3	98–9363	Stud	1
4	98–9362	Stud	2
5	98–9481	Asm–Case, Gear (Incl. Ref. #7–9, 12–14 & 16–18)	1
6	98–9633	Gasket–Gear Case	1
7	98–9592	Screw	5
8	98–9541	Cover–Oil Pump	1
9	98–9540	Asm–Rotor, Oil Pump	1
10	98–9372	O–Ring	2
11	98–7547	O–Ring	2
12	98–9544	Spring	1
13	98–9380	Ball	1

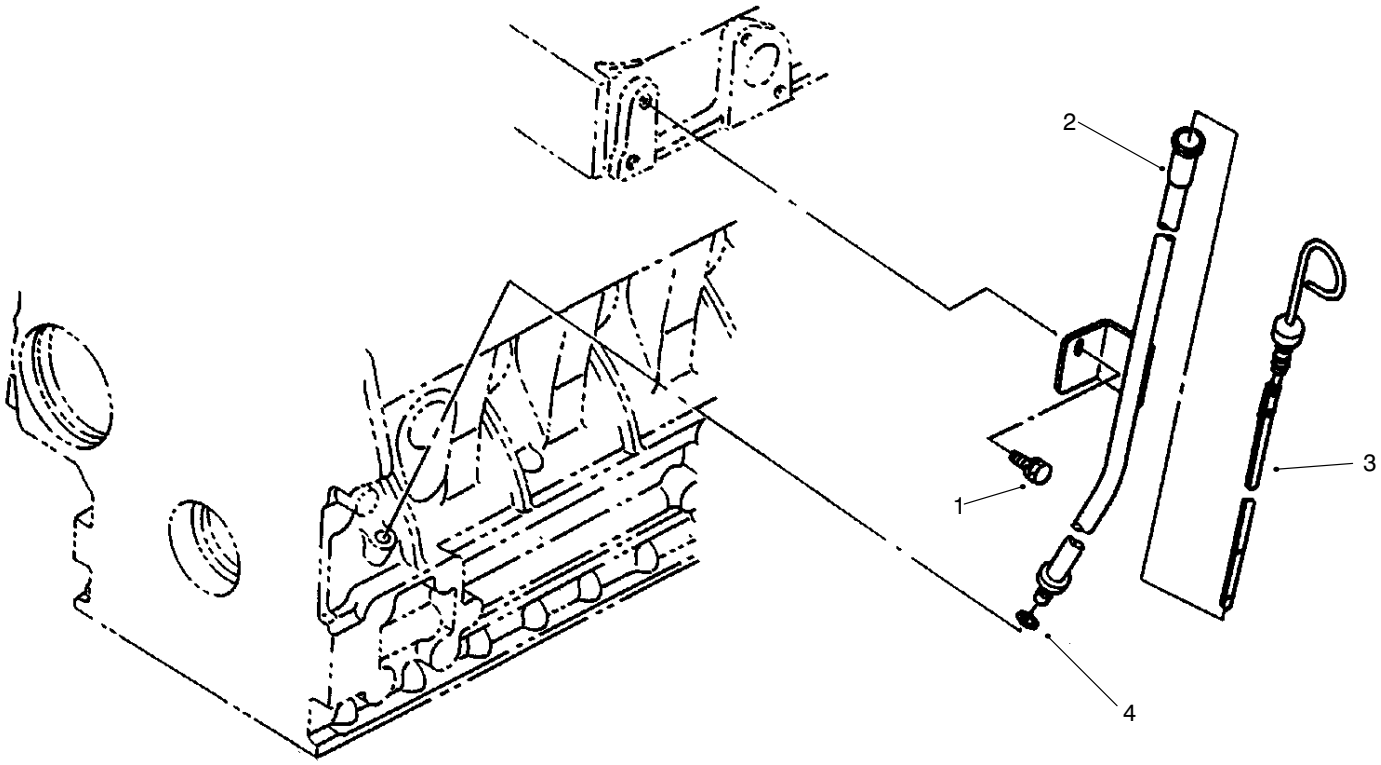
Ref. No.	Part No.	Description	No. Used
14	98–9543	Seal–Valve	1
15	99–8384	Asm–Cartridge, Oil	1
16	98–9388	Joint–Pipe	1
17	98–7562	Washer–Flat	1
18	98–9598	Plug	2
19	98–9356	Bolt	2
20	98–9355	Bolt	6
21	98–9586	Bolt	1
22	98–9482	Seal–Oil	1
23	98–9437	Bolt	1
24	98–7496	Bolt	3
25	98–9684	Gasket–Gear Case	1
26	98–9641	Cover	1
27	98–7692	Bolt	2



HEAD COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−7430	O−Ring	2
2	98−9449	Plug−Oil Filler	1
3	98−9455	Nut−Cap	3
4	98−9454	Gasket	3
5	98−9492	Joint−Breather Pipe	1
6	98−9491	Pipe−Breather	1
7	98−9364	Screw w/washer	2
8	98−9490	Oil Shield−Breather	1

Ref. No.	Part No.	Description	No. Used
9	98−9488	Plate−Breather Element	1
10	98−9493	Element−Breather	1
11	98−9489	Plate−Breather Element	1
12	98−9615	Gasket−Head Cover	1
13	98−9614	Asm−Cover, Cylinder Head (Incl. Ref. #5 & 7−12)	1
14	99−8349	Extension−Fill, Oil	1



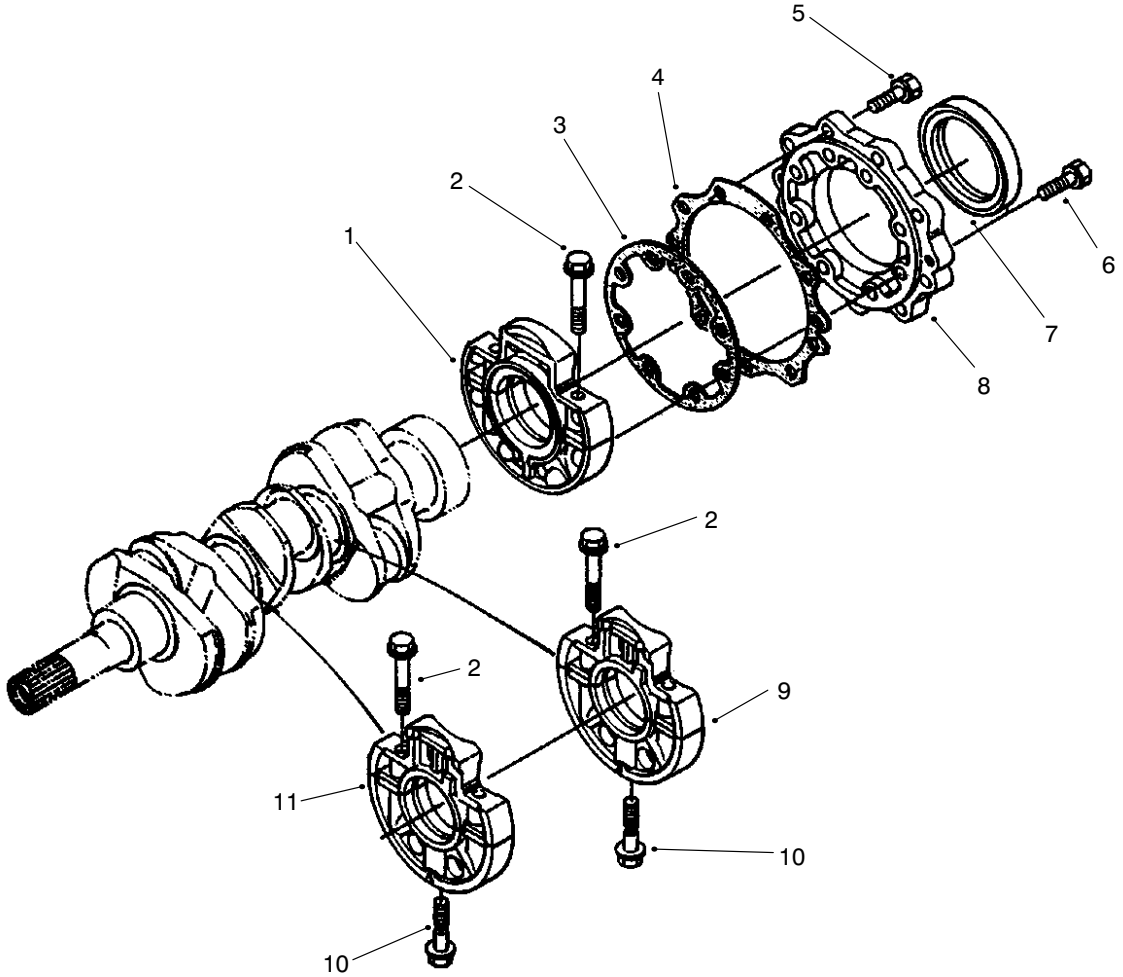
T−2911

DIPSTICK & GUIDE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−7585	Bolt	1
2	98−9671	Guide−Oil Gauge	1
3	98−9670	Gauge−Oil	1

Ref. No.	Part No.	Description	No. Used
4	98−9374	O−Ring	1
*	98−9672	Asm−Guide, Oil Gauge (Incl. Ref. #1, 2 & 4)	1

*Not Illustrated

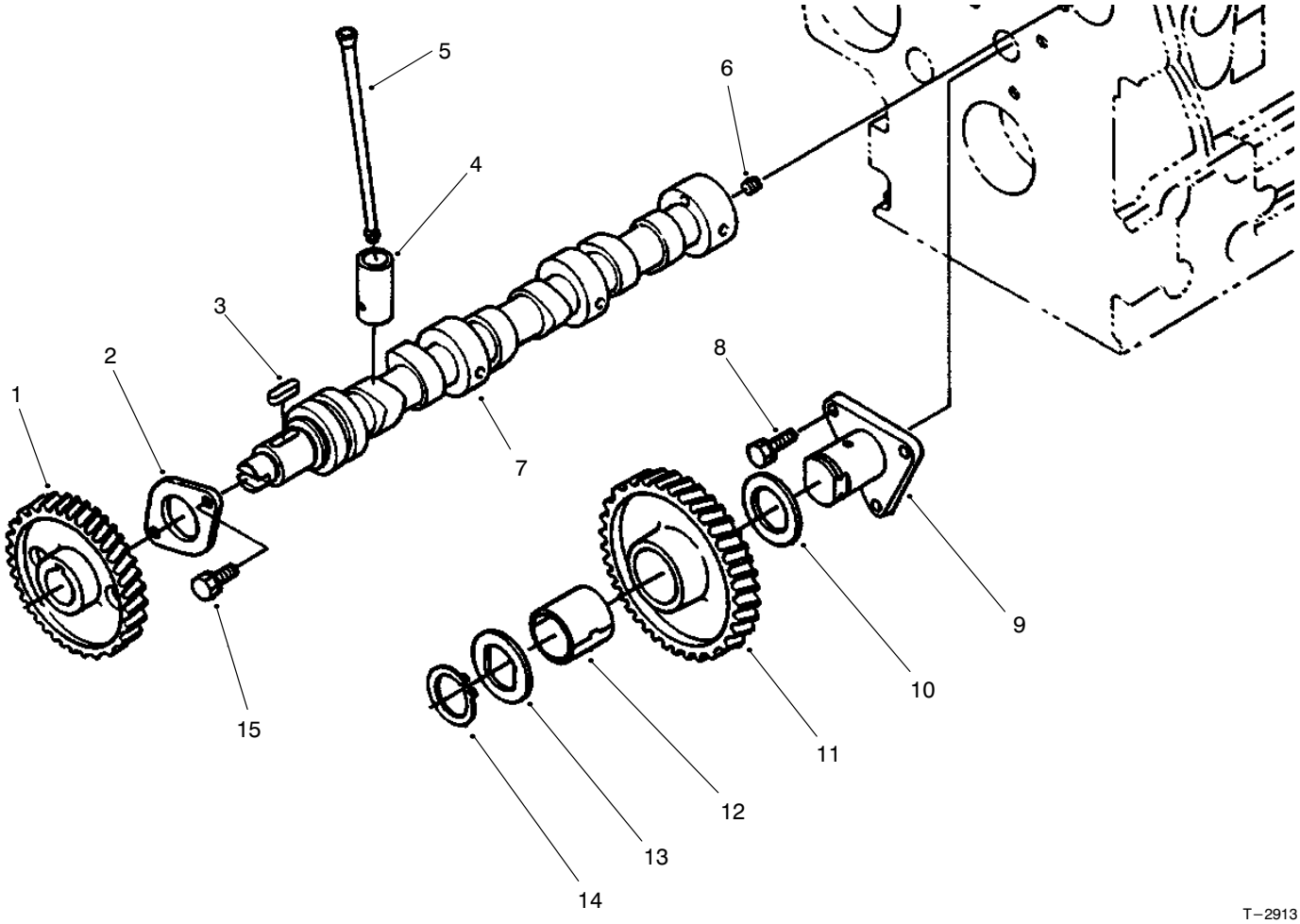


T−2912

MAIN BEARING CASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	99−8345	Asm−Case, Main Bearing	1
2	98−9484	Bolt−Bearing Case	6
3	98−9634	Gasket−Bearing Case	1
4	98−9635	Gasket−Bearing Case Cover	1
5	98−7568	Bolt	9
6	98−9352	Bolt	8

Ref. No.	Part No.	Description	No. Used
7	98−9483	Seal−Oil	1
8	98−9487	Cover−Bearing Case	1
9	98−9607	Asm−Case, Main Bearing	1
10	98−9485	Bolt−Bearing Case	2
11	98−9606	Asm−Case, Main Bearing	1

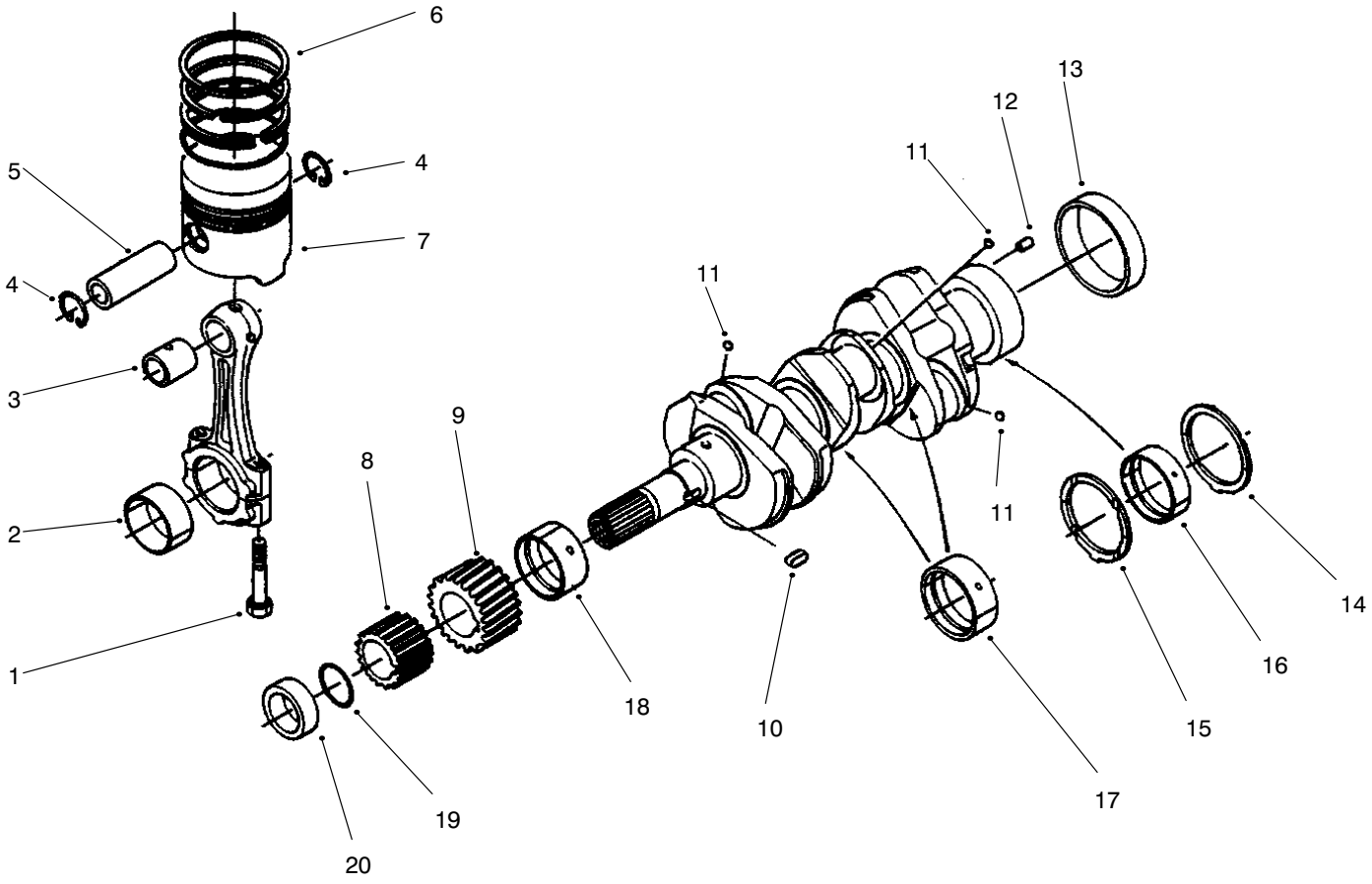


CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–9512	Gear–Cam	1
2	98–9510	Stopper–Camshaft	1
3	98–9378	Key–Feather	1
4	98–9616	Tappet	6
5	98–9509	Push Rod	6
6	98–7449	Screw–Set	1
7	98–9617	Asm–Camshaft (Incl. Ref. #1–3, 6 & 15)	1
8	98–7692	Bolt	3

Ref. No.	Part No.	Description	No. Used
9	98–9533	Shaft–Gear, Idle	1
10	98–9535	Collar–Gear, Idle	1
11	98–9649	Asm–Gear, Idle (Incl. Ref. #12)	1
12	98–9650	Bushing–Gear, Idle	1
13	98–9536	Collar–Gear, Idle	1
14	98–9534	Clip–Circular, Idle Gear	1
15	98–9351	Bolt	2

3322−529

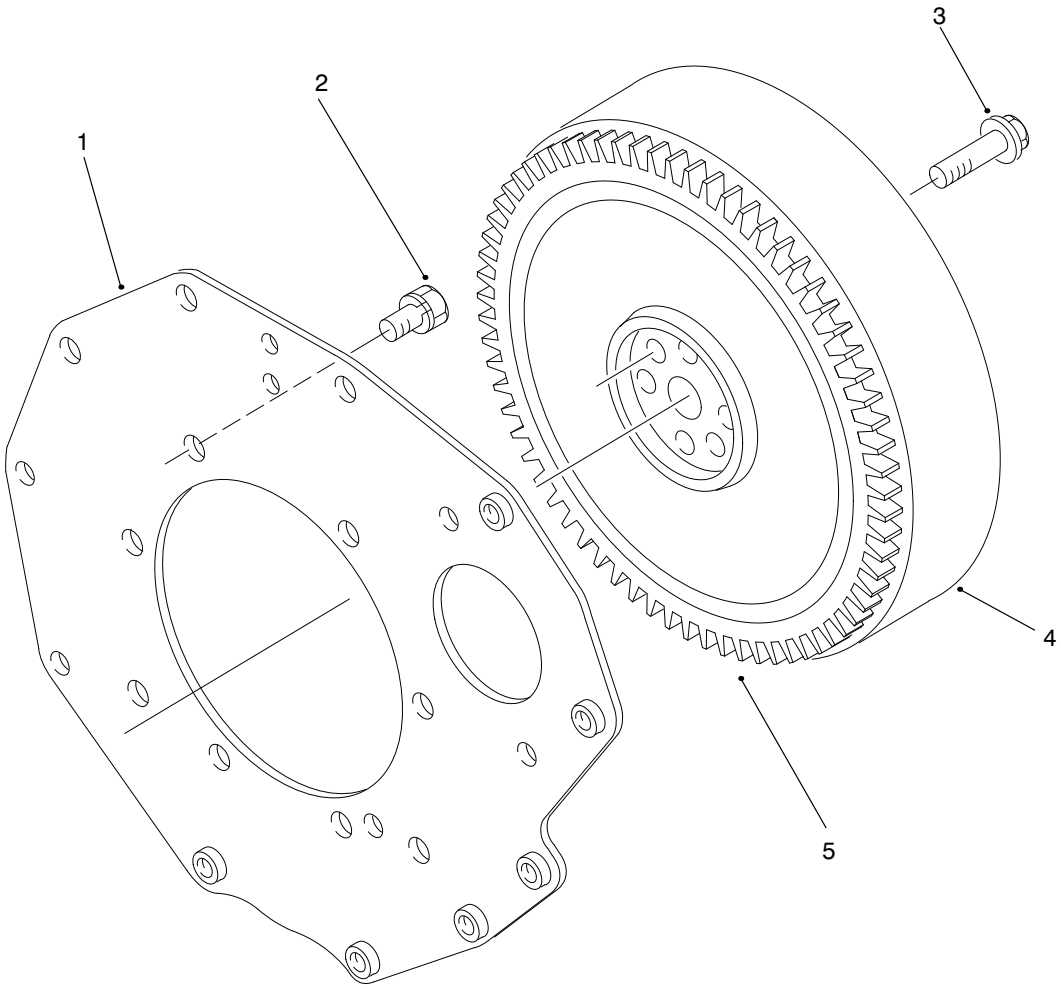


T−2914

PISTON & CRANKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9517	Bolt−Connecting Rod	6
2	98−9518	Metal−Crankpin (Std.)	3
2	98−9519	Metal−Crankpin (0.2mm Undersize)	3
2	98−9520	Metal−Crankpin (0.4mm Undersize)	3
3	98−9515	Bushing−Piston Pin	3
4	98−9514	Clip−Circular, Piston Pin	6
5	98−9513	Pin−Piston	3
6	98−9618	Asm−Piston Ring (Std.)	3
6	98−9619	Asm−Piston Ring (0.5mm Oversize)	3
7	98−9469	Piston (Std.)	3
7	98−9470	Piston (0.5mm Oversize)	3
8	98−9542	Gear−Oil Pump Drive	1
9	98−9532	Gear−Crankshaft	1
10	98−9666	Key	1
11	98−7473	Ball	3
12	98−9375	Pin−Straight	1
13	98−9522	Sleeve−Crankshaft	1
14	98−9413	Metal−Side (Std.)	2
14	98−9414	Metal−Side (0.2mm) Oversize	2
14	98−9415	Metal−Side (0.4mm Oversize)	2
15	98−9688	Metal−Side (Std.)	2
15	98−9689	Metal−Side (0.2mm Oversize)	2
15	98−9690	Metal−Side (0.4mm Oversize)	2
16	98−9525	Metal−Crankshaft (Std.	1
16	98−9526	Metal−Crankshaft (0.2mm Undersize)	1
16	98−9527	Metal−Crankshaft (0.4mm Undersize)	1
17	98−9524	Metal−Crankshaft (Std. Set)	2
17	98−9530	Metal−Crankshaft (0.2mm Undersize Set)	2
17	98−9531	Metal−Crankshaft (0.4mm Undersize Set)	2
18	98−9523	Metal−Crankshaft (Std.)	1
18	98−9528	Metal−Crankshaft (0.2mm Undersize)	1
18	98−9529	Metal−Crankshaft (0.4mm Undersize)	1
19	98−9373	O−Ring	1
20	98−9521	Collar−Crankshaft	1
*	98−9516	Asm−Rod, Connecting (Incl. Ref. #1−3)	3
*	98−9642	Asm−Crankshaft (Incl. Ref. #8−13)	1

*Not Illustrated



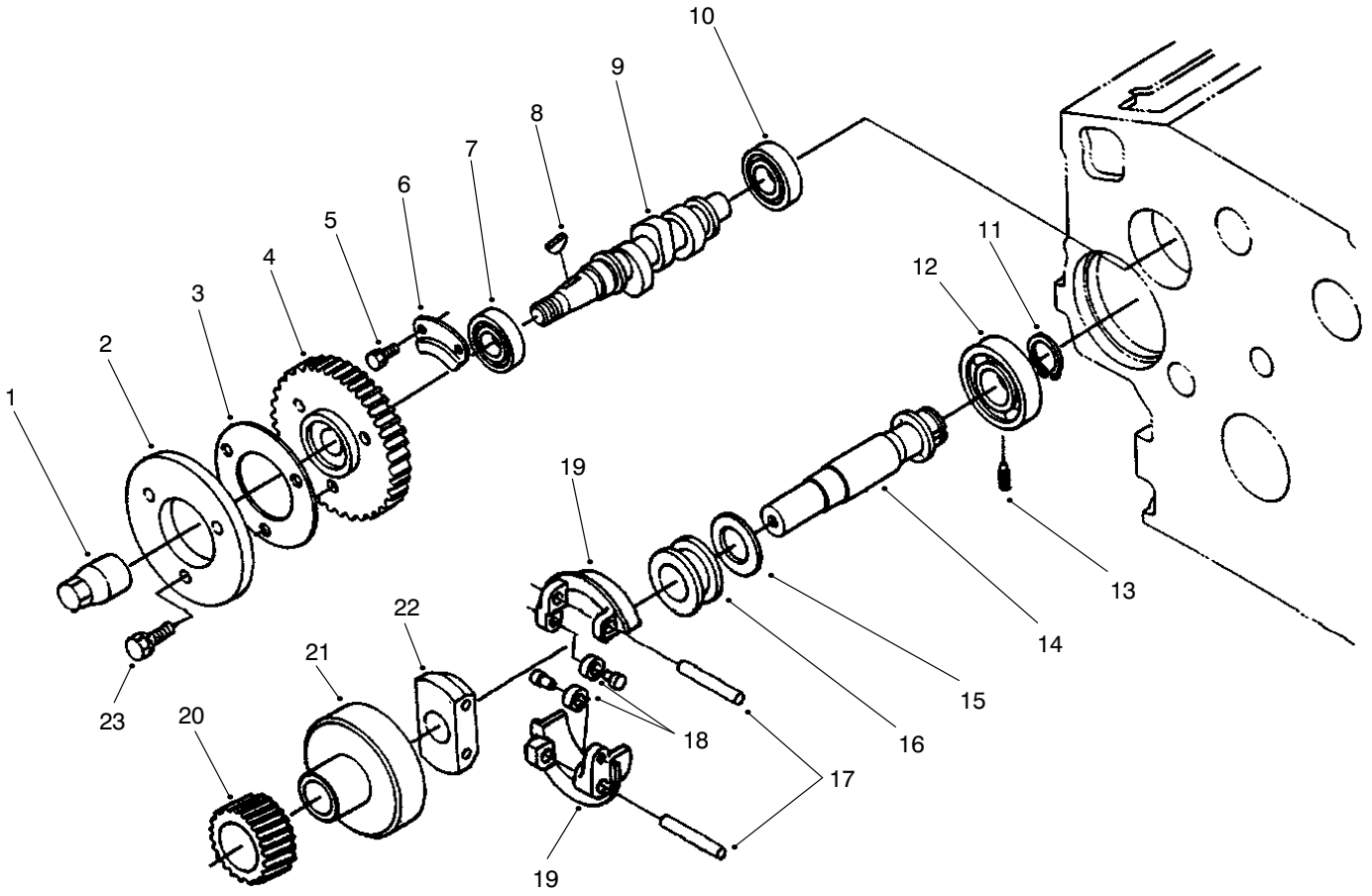
T–2915

FLYWHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–9486	Plate–End, Rear	1
2	98–9392	Bolt	8
3	98–9537	Bolt–Flywheel	6

Ref. No.	Part No.	Description	No. Used
4	98–9691	Asm–Flywheel (Incl. Ref. #5)	1
5	98–9394	Gear–Ring	1

*Not Illustrated

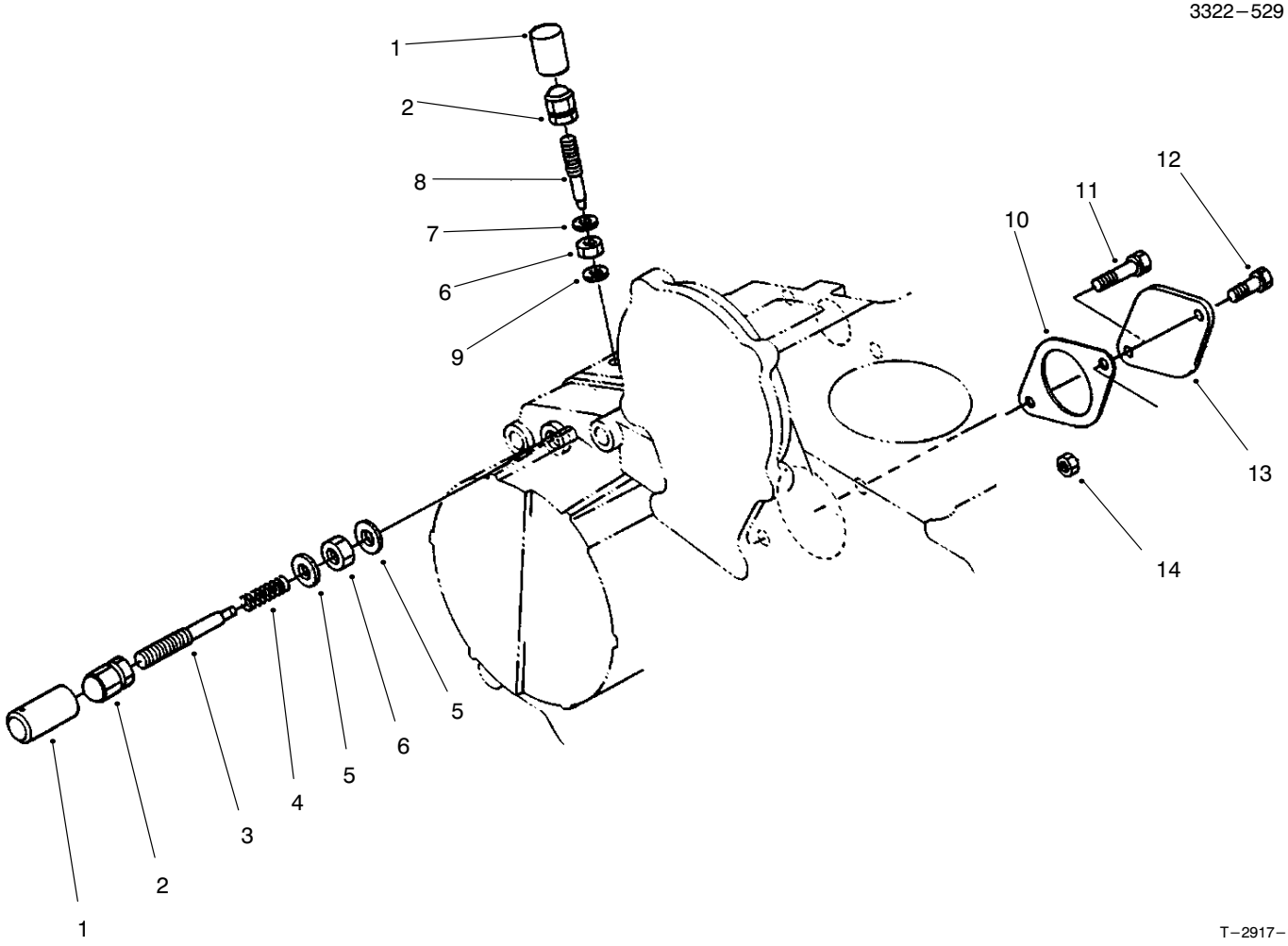


T−2916

FUEL CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9590	Nut−Cap	1
2	98−9547	Cam−Fuel	1
3	98−9548	Washer	1
4	98−9669	Gear−Injection Pump	1
5	98−9350	Bolt	2
6	98−9511	Stopper−Fuel, Camshaft	1
7	98−9383	Bearing−Ball	1
8	98−9595	Key−Woodruff	1
9	98−9459	Camshaft−Fuel	1
10	98−9382	Bearing−Ball	1
11	98−9657	Clip−Circular, Gov. Shaft	1
12	98−9381	Bearing−Ball	1

Ref. No.	Part No.	Description	No. Used
13	98−9565	Screw−Set	1
14	98−9644	Asm−Shaft, Governor (Incl. Ref. #12 & 14−22)	1
15	98−9564	Washer−Thrust	1
16	98−9563	Sleeve−Governor	1
17	98−9560	Shaft−Governor Weight	2
18	98−9692	Roller	2
19	98−9559	Asm−Weight, Governor	2
20	98−9673	Gear−Governor	1
21	98−9562	Holder−Gear, Governor	1
22	98−9561	Holder−Gear, Governor	1
23	98−7605	Bolt	3

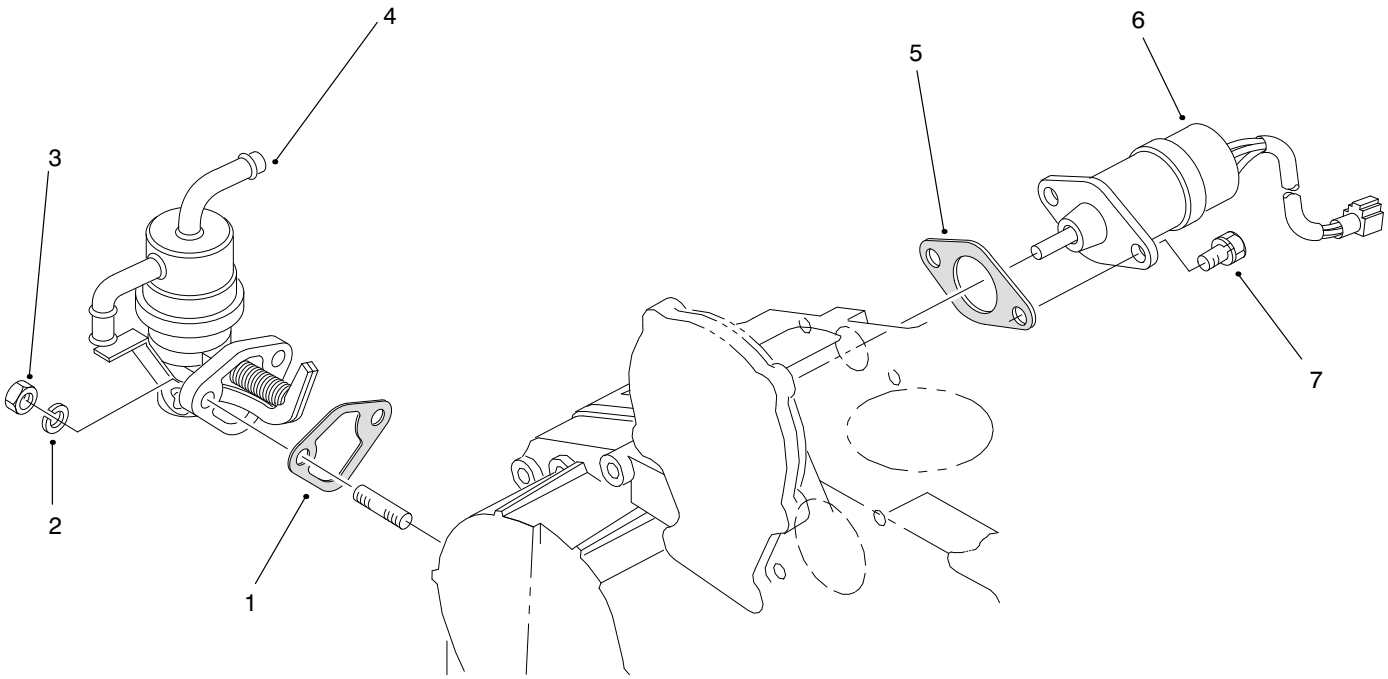


T−2917−1

ENGINE STOP LEVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	99−8390	Lock−Pipe, Fuel Adjust.	2
2	99−8382	Nut−Cap	2
3	98−9679	Asm−Bolt, Adjusting (Incl. Ref. #4)	1
4		Spring	1
5	98−7654	Gasket	2
6	99−8386	Nut	2
7	99−8388	Gasket, 10mm Dia	1
8	98−9557	Bolt−Adjusting	1
9	99−8389	Gasket, 14mm Dia.	1
10	98−9674	Packing	1
11	98−7645	Bolt	1
12	98−9359	Bolt	1
13	98−9640	Cover−Pump	1
14	98−7534	Nut	1
*	98−9678	Asm−Apparatus, Idle (Incl. Ref. #1−6)	1

*Not Illustrated



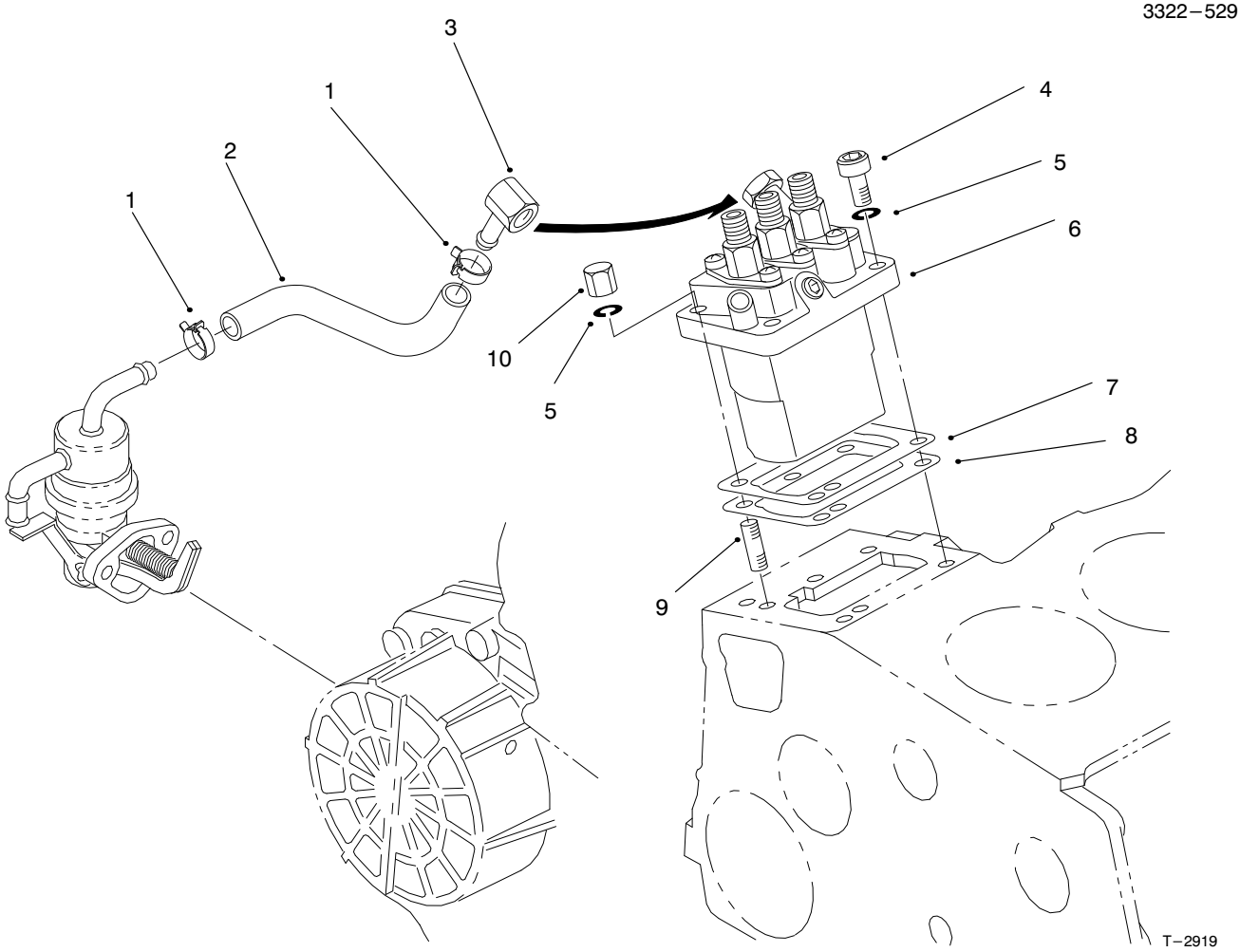
T−2918

STOP SOLENOID & FUEL PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9436	Gasket−Fuel Pump	1
2	98−9367	Washer−Lock	2
3	98−7572	Nut	2
4	98−9677	Asm−Pump, Fuel	1

Ref. No.	Part No.	Description	No. Used
5	98−9683	Gasket−Solenoid Cover	1
6	98−9693	Solenoid−Stop	1
7	98−9351	Bolt	2

*Not Illustrated



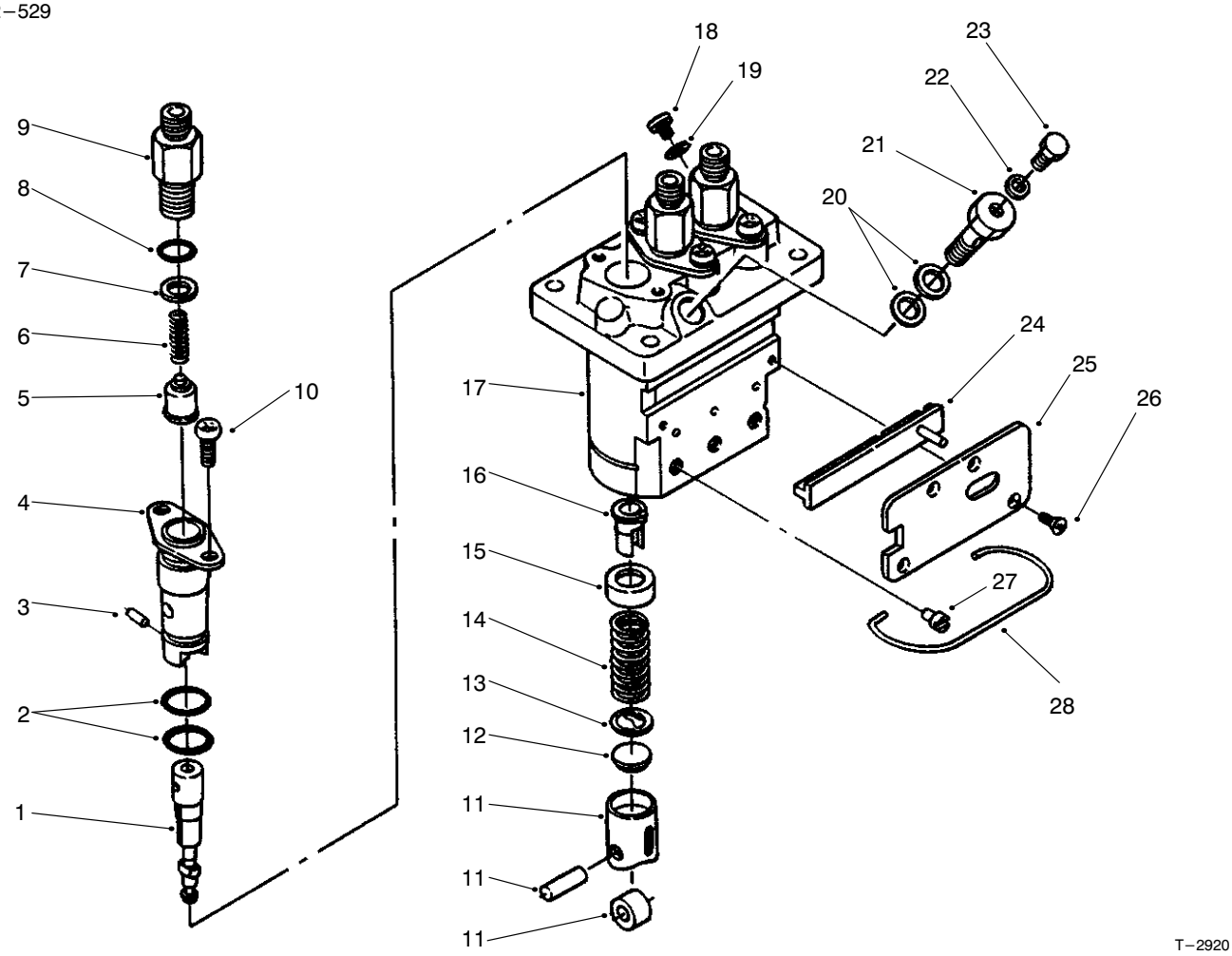
INJECTION PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–9545	Band–Pipe	2
2	98–9384	Tube–Fuel	1
3	98–9596	Joint–Eye	1
4	98–9361	Bolt	2
5	98–9367	Washer–Lock	4
6	98–9643	Asm–Pump, Injection	1
7	98–9456	Shim–Injection (0.2mm)	1

Ref. No.	Part No.	Description	No. Used
7	98–9457	Shim–Injection (0.25mm)	1
8	98–9458	Shim–Injection (0.30mm)	1
9	98–9438	Stud	2
10	98–9440	Nut–Cap	2
*	98–9467	Asm–Pipe, Fuel (Incl. Ref. #1 & 2)	1

*Not Illustrated

3322−529

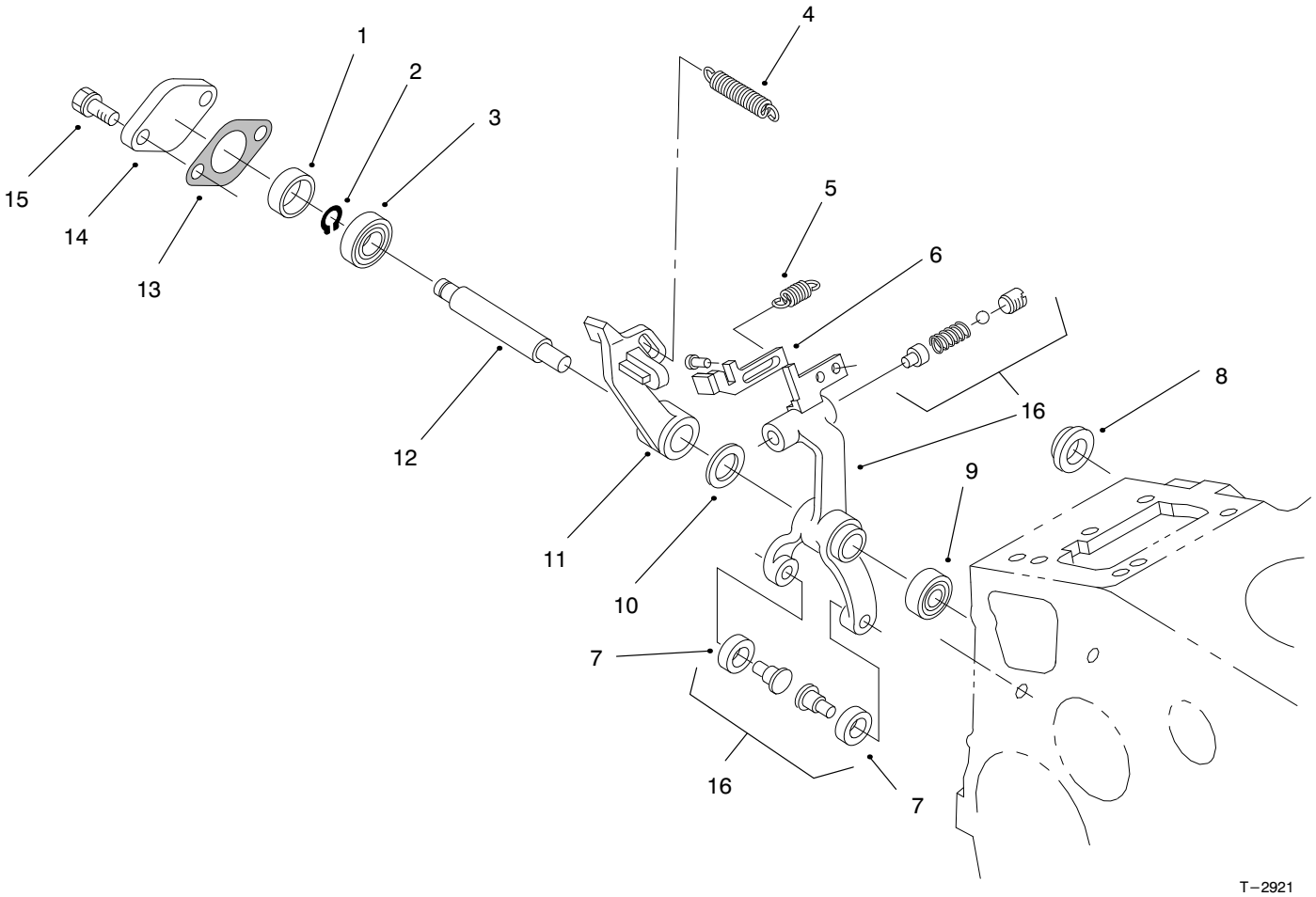


T−2920

INJECTION PUMP ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	98−9462	Element−Pump	3
2	98−9423	O−Ring	6
3	98−9443	Pin−Joint	3
4	98−9434	Flange−Sleeve	3
5	98−9421	Valve−Delivery	3
6	98−9424	Spring−Valve, Delivery	3
7	98−9425	Gasket−Valve, Delivery	3
8	98−9447	O−Ring	3
9	98−9652	Holder−Valve, Delivery	3
10	98−9452	Screw	6
11	98−9422	Asm−Tappet	3
12	98−9433	Shim	3
13	98−9429	Seat−Spring, Lower	3
14	98−9428	Spring−Plunger	3
15	98−9427	Seat−Spring, Upper	3

Ref. No.	Part No.	Description	No. Used
16	98−9432	Sleeve−Control	3
17	98−9643	Asm−Pump, Injection (Incl. Ref. #1−16 & 18−28)	1
18	98−9466	Plug	1
19	98−9451	Gasket	1
20	98−9445	Gasket	2
21	98−9464	Bolt−Joint	1
22	98−9446	Gasket	1
23	98−9430	Screw	1
24	98−9463	Rack−Control	1
25	98−9465	Plate	1
26	98−9442	Screw−Countersunk Hd.	4
27	98−9426	Pin−Guide, Tappet	3
28	98−9450	Pin−Clamp	1



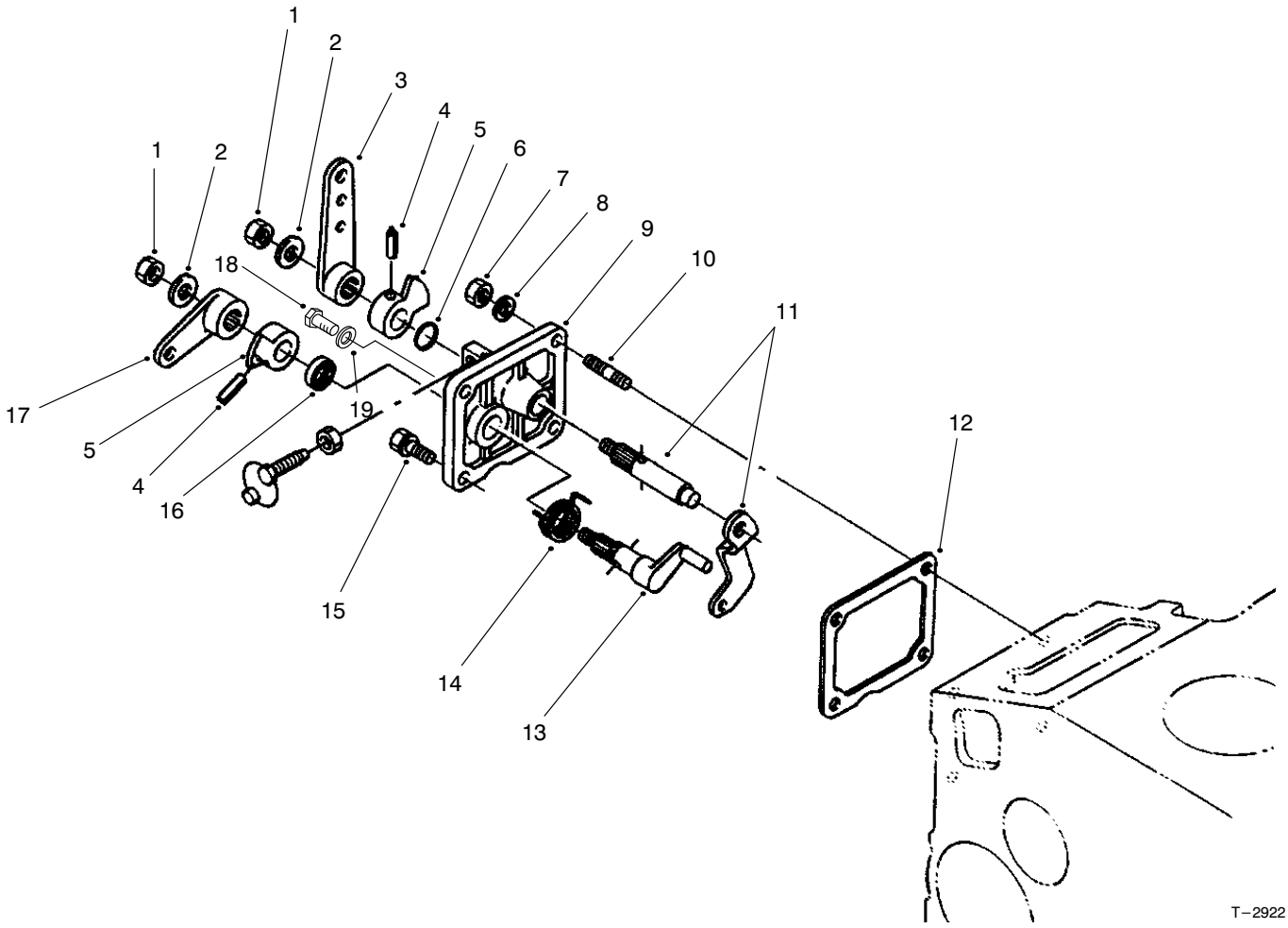
GOVERNOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–9567	Collar	1
2	98–9369	Clip–Circular, External	1
3	98–9570	Bearing–Miniature	1
4	98–9681	Spring–Governor	1
5	98–9645	Spring–Start	1
6	98–9660	Lever–Thrust	1
7	98–9692	Roller	2
8	98–9568	Collar	1
9	98–9571	Bearing–Miniature	1
10	98–9593	Washer–Flat	1

Ref. No.	Part No.	Description	No. Used
11	98–9659	Lever–Fork	1
12	98–9566	Shaft–Lever, Fork	1
13	98–9682	Gasket	1
14	98–9569	Cover–Shaft, Fork Lever	1
15	98–9351	Bolt	2
16	99–8380	Complete Lever & Fork (Incl. Ref. #6 & 7)	1
*	98–9680	Asm–Lever, Fork (Incl. Ref. #2, 3, 10–12 & 16)	1

*Not Illustrated

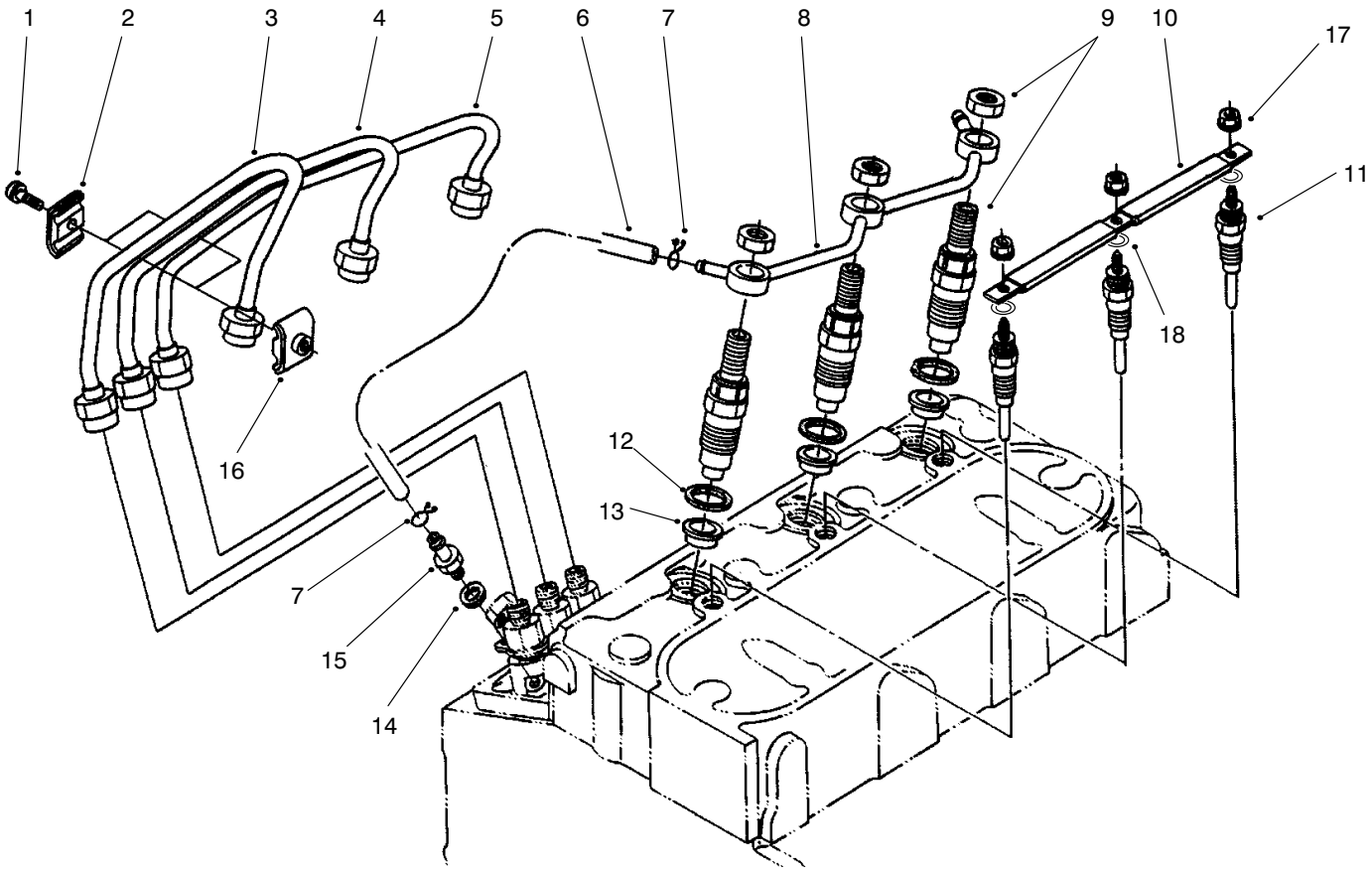
3322−529



SPEED CONTROL PLATE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9589	Nut	2
2	98−9594	Washer−Flat	2
3	98−9662	Lever−Speed Control	1
4	98−7602	Pin−Spring	2
5	98−9572	Lever−Speed Control	2
6	98−9371	O−Ring	1
7	98−7572	Nut	2
8	98−9367	Washer−Lock	2
9	98−9661	Asm−Plate, Control (Incl. Ref. #1−6, 11, 13, 14, 16, & 17)	1

Ref. No.	Part No.	Description	No. Used
10	98−9362	Stud	2
11	98−9658	Asm−Lever, Governor	1
12	98−9637	Gasket	1
13	98−9664	Shaft−Stop Lever	1
14	98−9472	Spring−Return	1
15	98−7692	Bolt	1
16	98−7601	Seal−Oil	1
17	98−9663	Lever−Engine Stop	1
18	99−8348	Bolt	1
19	98−7654	Gasket	1



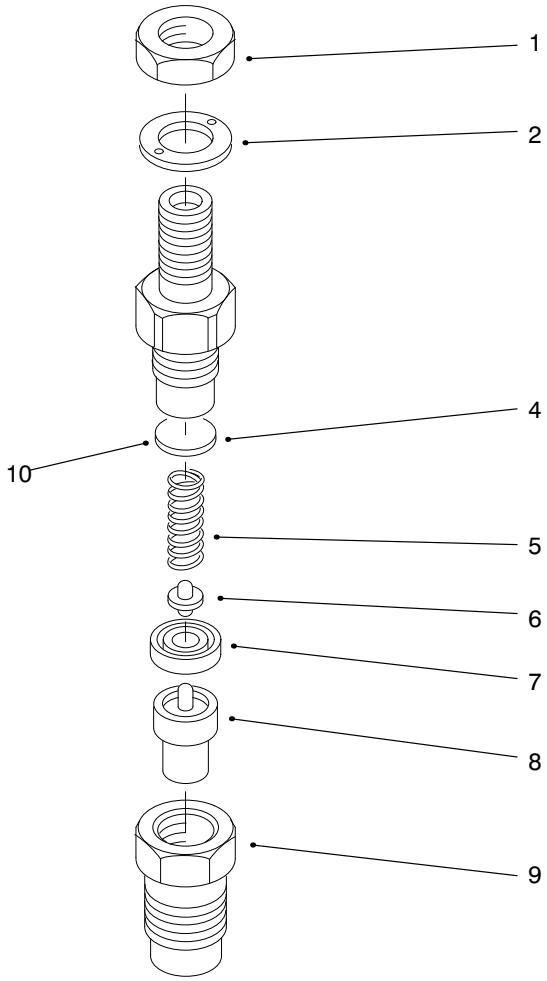
T−2923

NOZZLE HOLDER & GLOW PLUG ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−7684	Screw w/washer	2
2	98−7683	Clamp−Pipe	2
3	98−9653	Pipe−Injection	1
4	98−9654	Pipe−Injection	1
5	98−9655	Pipe−Injection	1
6	98−9420	Asm−Pipe, Overflow (Incl. Ref. #7)	1
7	98−7671	Clip−Pipe	2
8	98−9620	Asm−Pipe, Overflow	1
9	98−9468	Asm−Holder, Nozzle	3

Ref. No.	Part No.	Description	No. Used
10	98−9631	Cord−Glow Plug	1
11	98−9695	Plug−Glow	3
12	98−7676	Gasket	3
13	98−7677	Seat−Heat	3
14	98−7654	Gasket	1
15	98−9431	Screw−Air Bleed	1
16	98−7682	Clamp−Pipe	2
17	99−8377	Nut−Flange	3
18	99−8378	Washer−Plain	3

*Not Illustrated



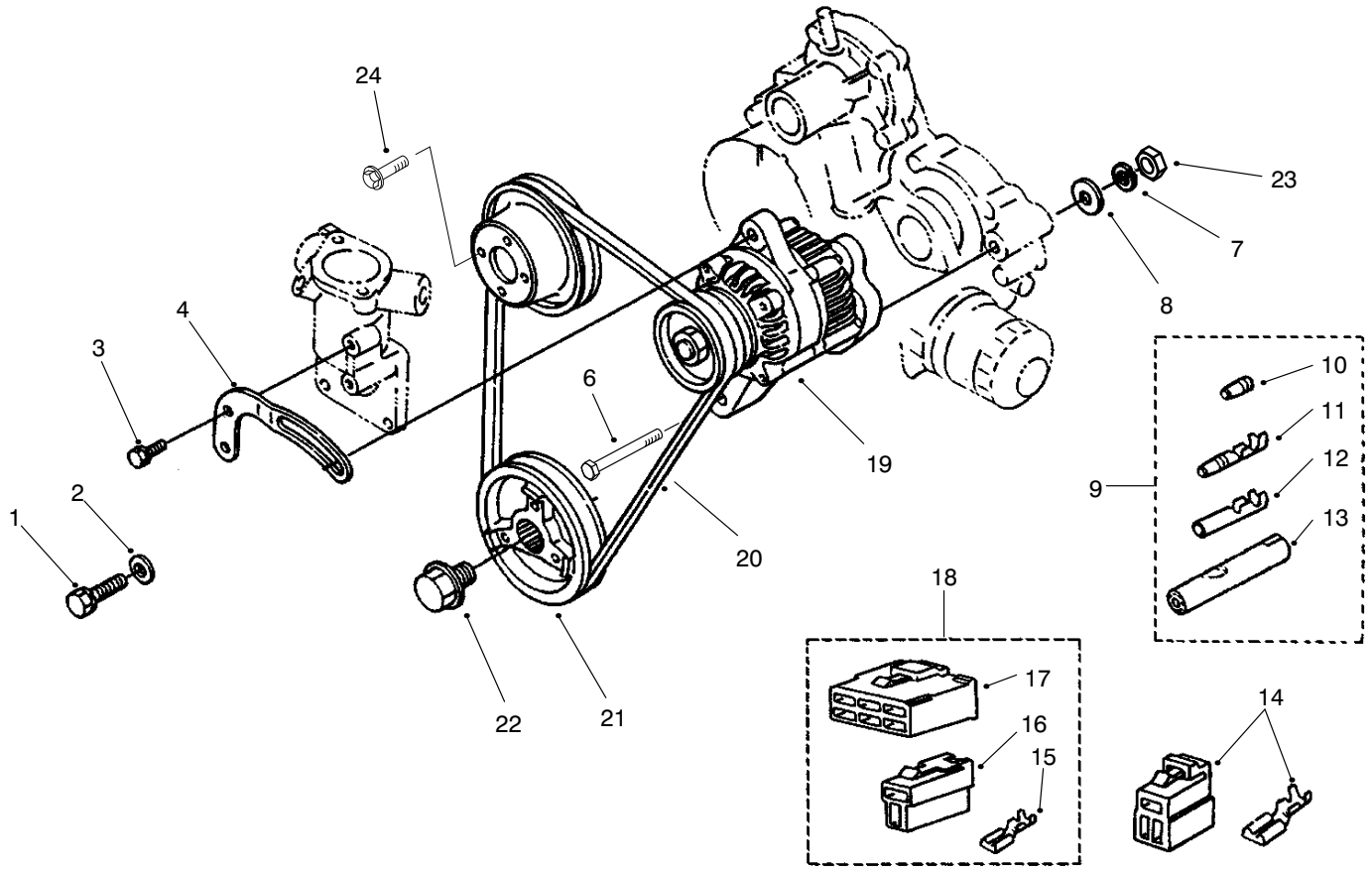
T−2924

NOZZLE HOLDER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	99−8301	Nut	3
2	99−8307	Washer	3
4	99−8302	Washer−Adjusting	3
5	99−8303	Spring−Nozzle	3
6	99−8305	Push Rod	3
7	99−8304	Piece−Distance	3
8	99−8308	Piece−Nozzle	3
9	99−8306	Nut−Nozzle	3
10	99−8309	Asm−Washer, Adjusting	3
*	99−8310	Washer−Adj. (0.10mm)	3
*	99−8311	Washer−Adj. (0.20mm)	3

Ref. No.	Part No.	Description	No. Used
10	99−8312	Washer−Adj. (0.30mm)	3
*	99−8313	Washer−Adj. (0.40mm)	3
*	99−8314	Washer−Adj. (0.50mm)	3
*	99−8315	Washer−Adj. (0.52mm)	3
*	99−8316	Washer−Adj. (0.54mm)	3
*	99−8317	Washer−Adj. (0.56mm)	3
*	99−8318	Washer−Adj. (0.58mm)	3
*	99−8319	Washer−Adj. (0.80mm)	3
*	98−9468	Asm−Holder, Nozzle (Incl. Ref. #1−9)	3

*Not Illustrated

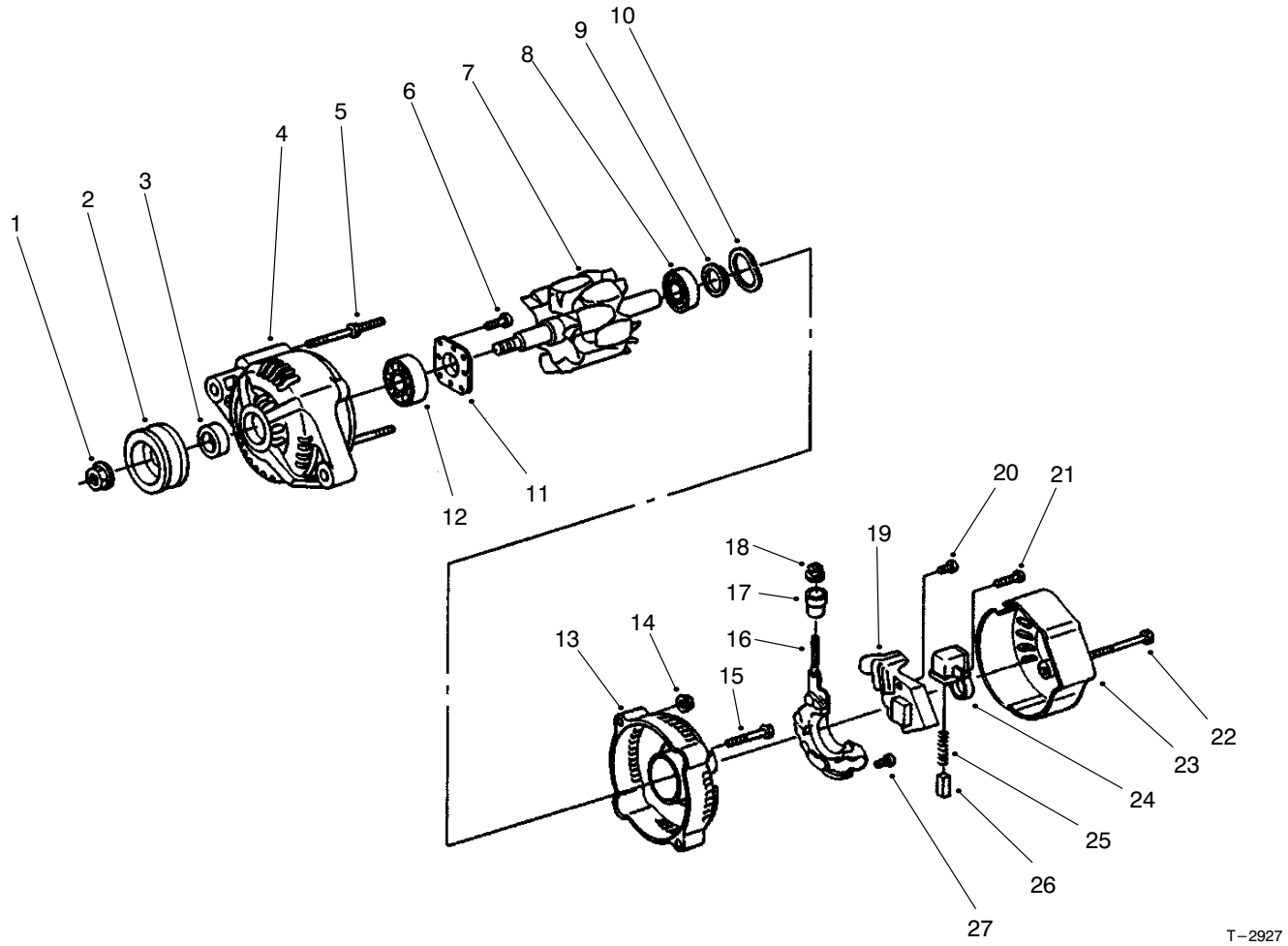


T−2926−1

ALTERNATOR & PULLEY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−7697	Bolt	1
2	98−7698	Washer−Flat	1
3	98−7692	Bolt	1
4	98−9573	Stay−Dynamo	1
5	98−9584	Pulley−Fan	1
6	98−9360	Bolt	1
7	98−9368	Washer−Lock	1
8	98−9366	Washer−Flat	1
9	98−9700	Asm−Terminal (Incl. Ref. #10−13)	1
10	98−9701	Terminal	1
11	98−9702	Sleeve	1
12	98−9703	Terminal	1

Ref. No.	Part No.	Description	No. Used
13	98−9704	Sleeve	1
14	98−9602	Asm−Coupler, Lock	1
15	98−9699	Terminal	7
16	98−9698	Connector	1
17	98−9697	Connector	1
18	98−9696	Asm−Coupler (Incl. Ref. #15−17)	1
19	98−9474	Asm−Alternator	1
20	98−9676	V−Belt	1
21	98−9473	Pulley−Fan Drive	1
22	98−9585	Bolt	1
23	98−7737	Nut	1
24	99−8363	Bolt−HFH	4

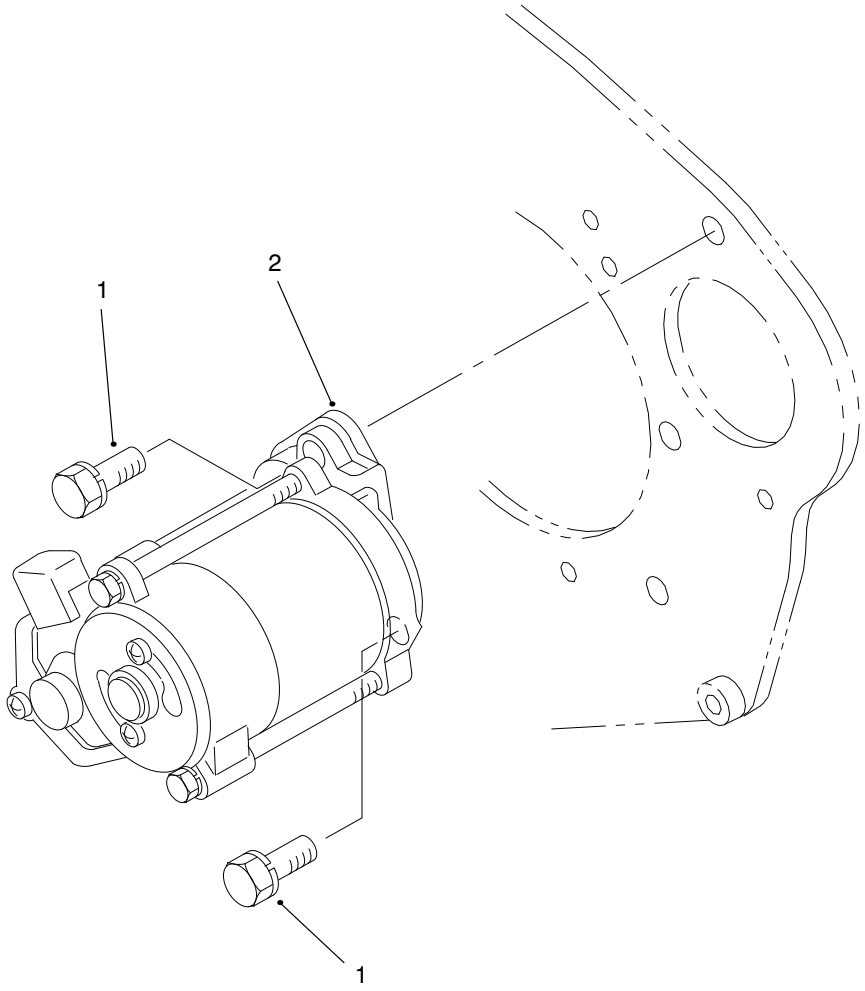


ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−7708	Nut	1
2	98−9453	Pulley−Dynamo	1
3	98−7709	Collar	1
4	99−7714	Frame−Drive End	1
5	98−7717	Bolt−Through	2
6	98−7716	Screw−RH	4
7	98−7710	Rotor	1
8	98−7712	Bearing−Ball	1
9	98−7711	Cover−Bearing	1
10	98−7713	Washer−Thrust	1
11	98−7715	Plate−Retainer	1
12	98−7718	Bearing−Ball	1
13	98−7719	Frame−End	1
14	98−7730	Nut	2
15	98−7731	Bolt	2

Ref. No.	Part No.	Description	No. Used
16	98−7721	Asm−Rectifier	1
17	98−7722	Bushing−Insulation	1
18	98−7732	Nut	1
19	98−7733	Asm−Regulator	1
20	98−7726	Screw−RH	2
21	98−7728	Screw−RH	1
22	98−7729	Bolt	3
23	98−7720	Cover−End	1
24	98−7723	Holder−Brush	1
25	98−7725	Spring−Brush	2
26	98−7724	Brush	2
27	98−7727	Screw−RH	6
*	98−9474	Asm−Alternator (Incl. Ref. #1−27)	1

*Not Illustrated

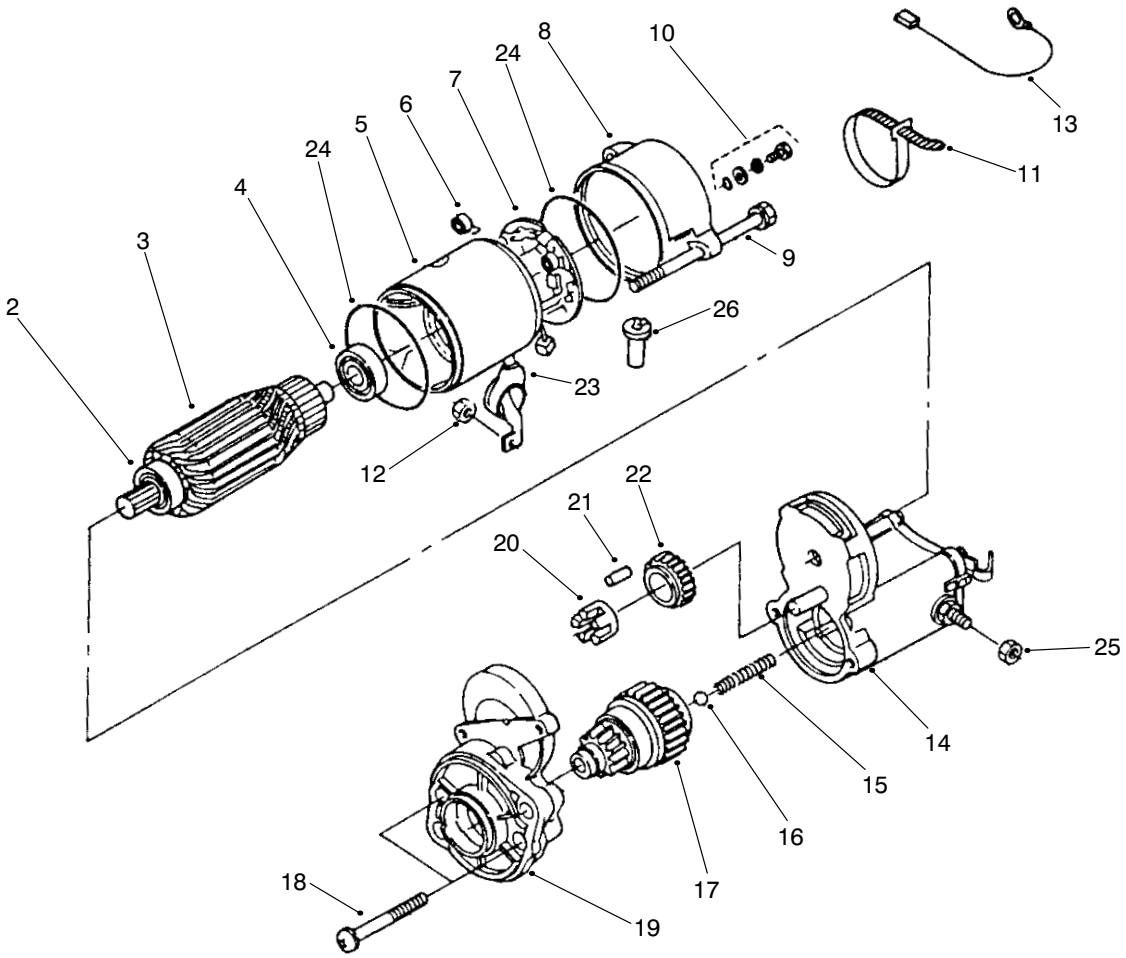


T−2928

STARTER MOUNT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−7697	Bolt	2
2	98−9705	Asm−Starter	1

Ref. No.	Part No.	Description	No. Used



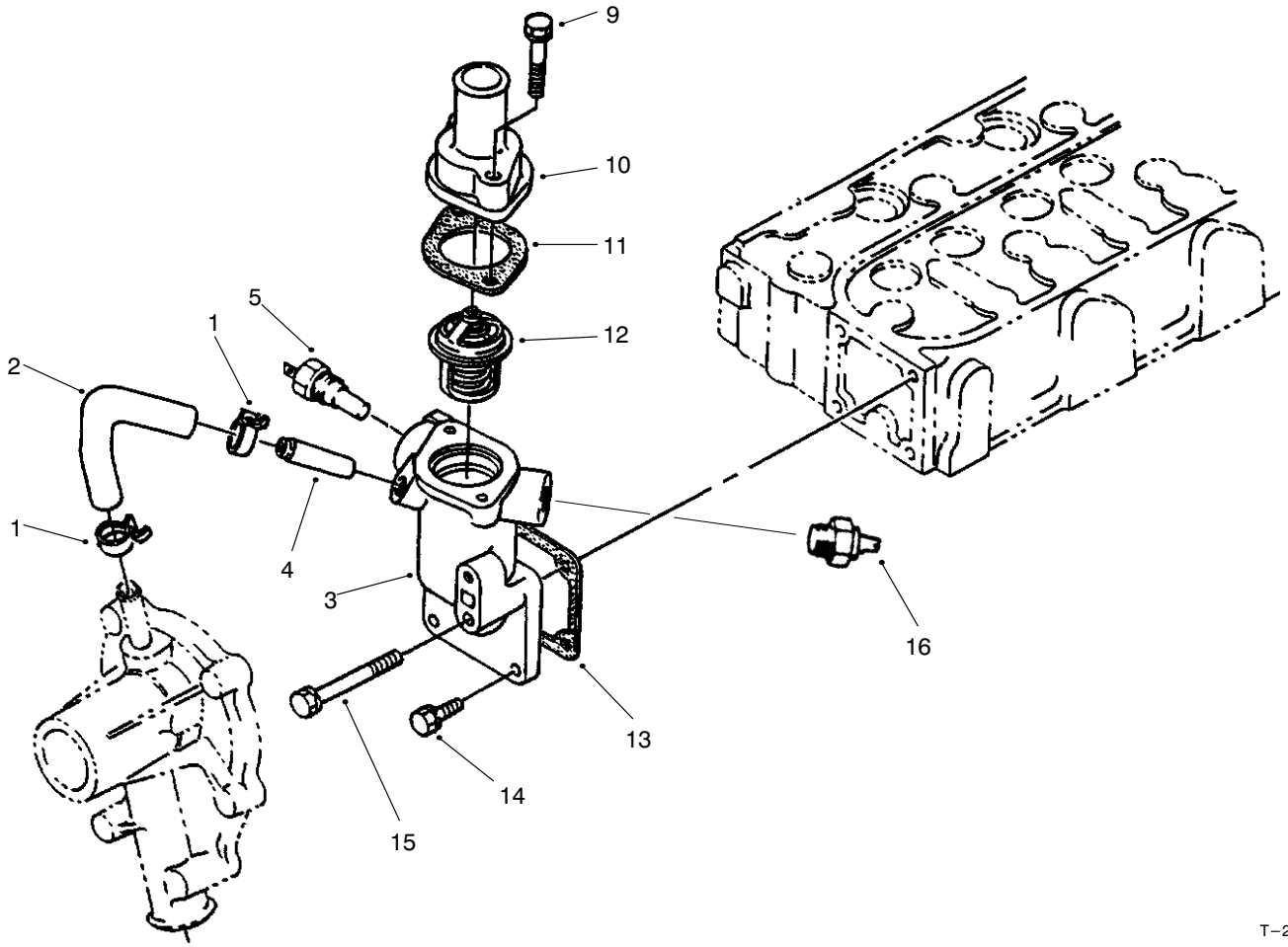
T−3081

STARTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	98−7743	Bearing−Ball	1
3	98−7742	Asm−Armature (Incl. Ref. #2 & 4)	1
4	98−7744	Bearing−Ball	1
5	98−7741	Asm−Yoke	1
6	98−7750	Spring−Brush	4
7	98−7749	Asm−Holder, Brush (Incl. Ref. #6)	1
8	99−8370	Frame−End	1
9	98−9549	Bolt	2
10	98−7758	Asm−Bolt	2
11	98−9712	Band−Cover	1
12	99−8371	Nut−Hex.	1
13	98−9711	Cord−Stop, Solenoid	1
14	99−8372	Asm−Switch, Magnetic	1

Ref. No.	Part No.	Description	No. Used
15	98−7754	Spring	1
16	98−7755	Ball	1
17	99−8373	Clutch	1
18	98−7756	Bolt	2
19	99−8374	Frame−Drive End	1
20	98−7752	Retainer	1
21	98−7753	Roller	5
22	98−7751	Gear	1
23	99−8375	Cover−Cord	1
24	98−7757	O−Ring	2
25	99−8376	Nut	1
26	98−7759	Pipe−Drain	1
*	98−9705	Asm−Starter (Incl. Ref. #2−26)	1

*Not Illustrated

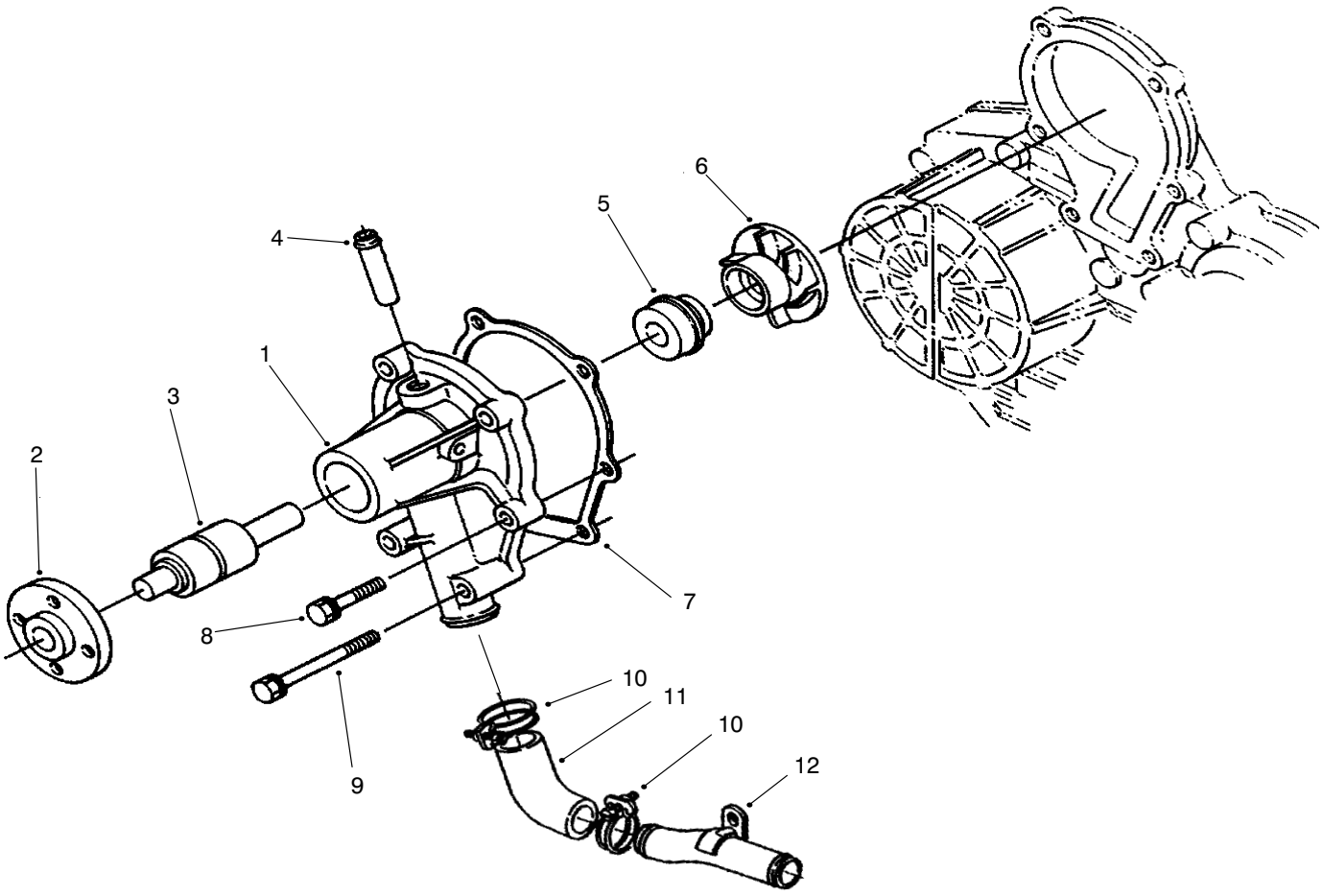


T−2930

WATER FLANGE & THERMOSTAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9579	Band Pipe	2
2	98−9578	Pipe−Return, Water	1
3	98−9713	Asm−Flange, Water (Incl. Ref. #4)	1
4	98−9580	Pipe−Return, Water	1
5	98−9719	Thermoswitch	1
9	98−7777	Bolt	2

Ref. No.	Part No.	Description	No. Used
10	98−9471	Cover−Thermostat	1
11	98−7776	Gasket	1
12	98−7778	Asm−Thermostat	1
13	98−9638	Gasket−Flange, Water	1
14	98−7692	Bolt	3
15	98−9356	Bolt	1
16	98−9346	Switch	1

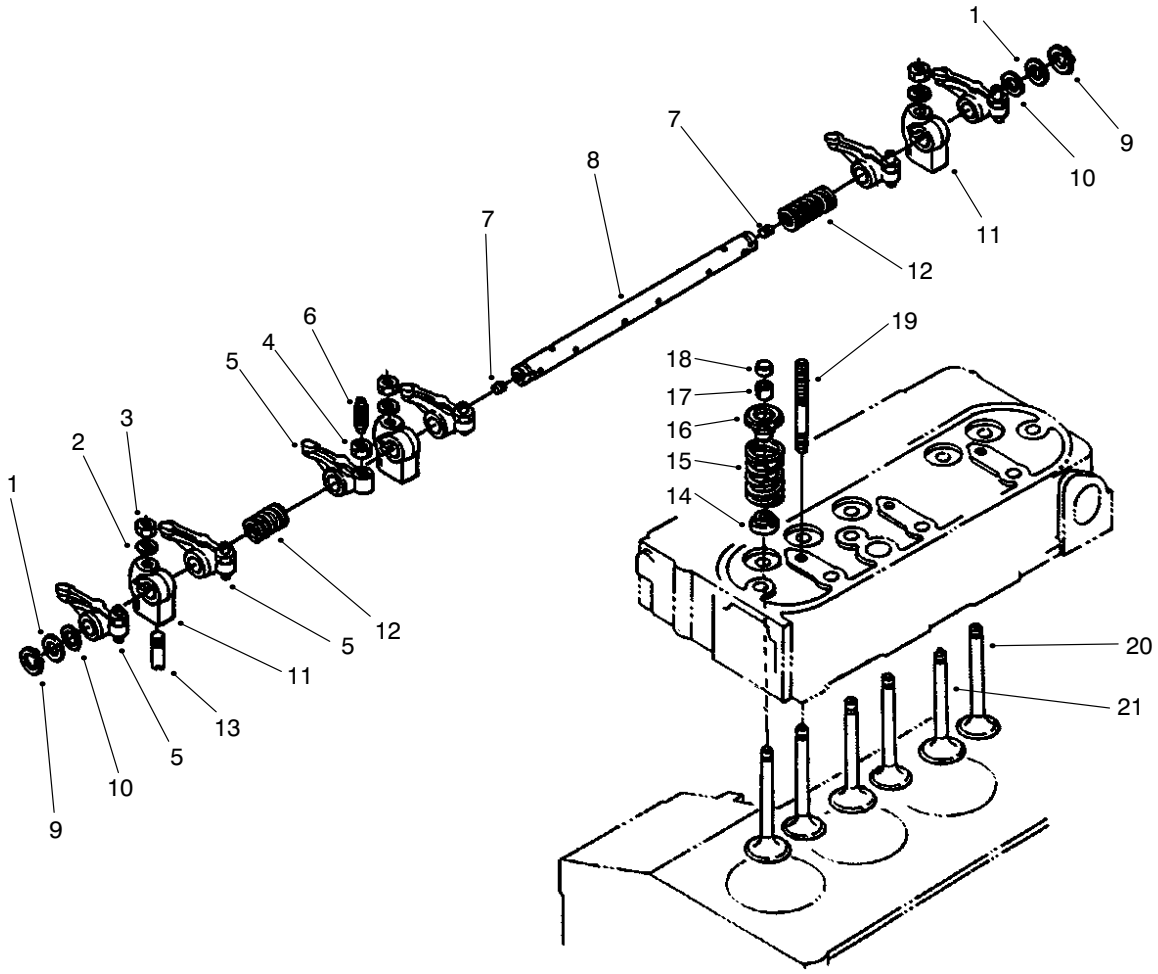


T−2931

WATER PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9575	Asm−Pump, Water (Incl. Ref. #2−6)	1
2	98−9582	Flange−Pump, Water	1
3	98−9583	Bearing	1
4	98−9577	Pipe−Return, Water	1
5	98−9576	Asm−Seal	1
6	98−9581	Impeller−Water	1

Ref. No.	Part No.	Description	No. Used
7	98−9632	Gasket−Pump, Water	1
8	98−9353	Bolt	1
9	98−9357	Bolt	4
10	98−9717	Clamp	2
11	98−9574	Pipe−Water	1
12	98−9716	Pipe−Water	1

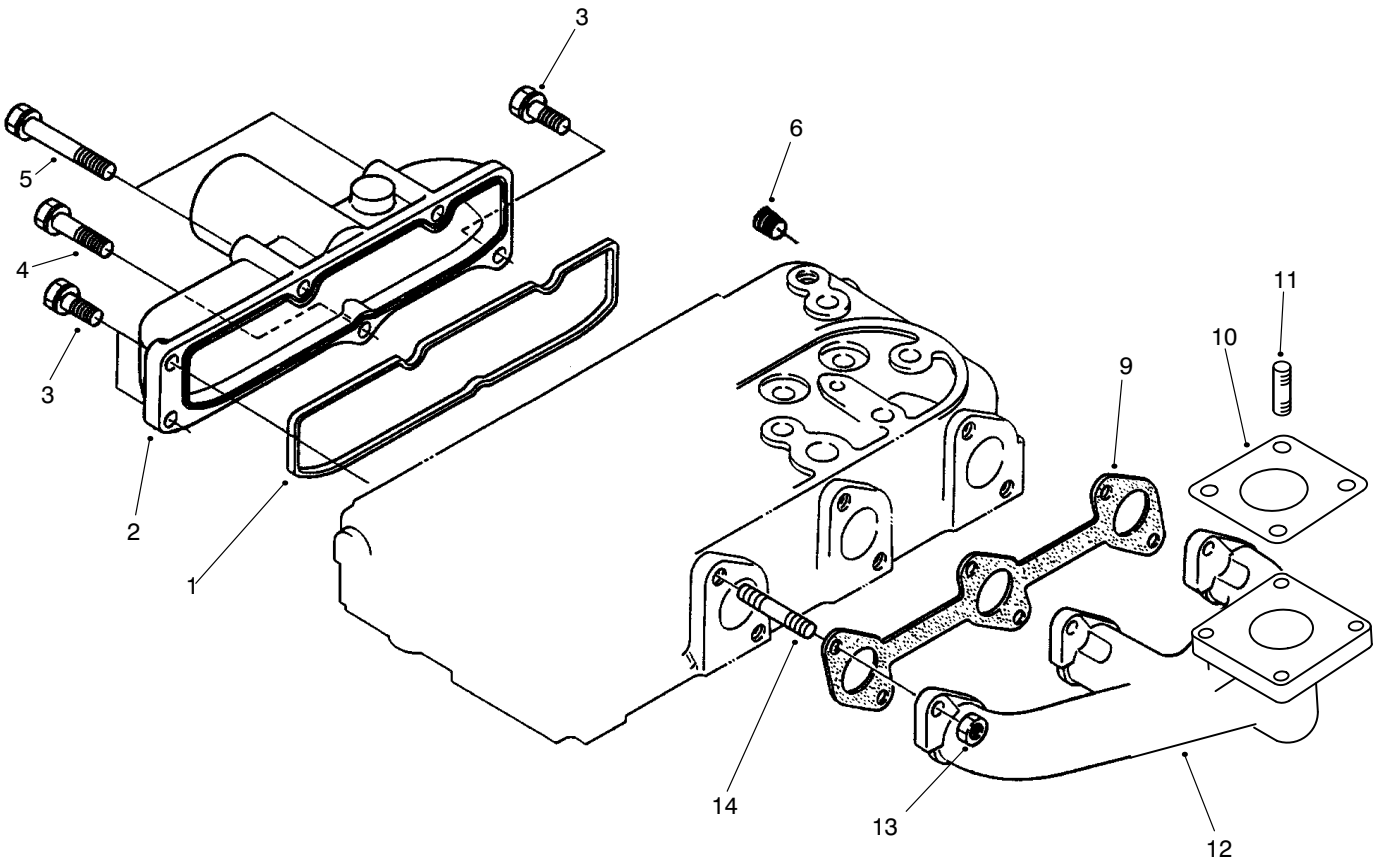


T–2932

VALVE & ROCKER ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–9508	Washer–Shaft, Rocker Arm	2
2	98–9385	Washer–Flat	3
3	98–9393	Nut	3
4	98–9503	Nut	6
5	98–9501	Asm–Arm, Rocker (Incl. Ref. #4 & 6)	6
6	98–9502	Screw–Adjusting	6
7	98–9365	Screw–Set	2
8	98–9612	Asm–Shaft, Rocker Arm (Incl. Ref. #7)	1
9	98–9370	Clip–Circular, External	2
10	98–9507	Washer–Shaft, Rocker Arm	2

Ref. No.	Part No.	Description	No. Used
11	98–9505	Bracket–Rocker Arm	3
12	98–9504	Spring–Rocker Arm	2
13	98–9391	Screw–Set	1
14	99–8385	Seal–Valve Stem	6
15	98–9648	Spring–Valve	6
16	98–9498	Retainer–Valve Spring	6
17	98–9390	Collet–Valve Spring Set	6
18	98–9497	Cap–Valve	6
19	98–9506	Stud	3
20	98–9495	Valve–Exhaust	3
21	98–9494	Valve–Inlet	3

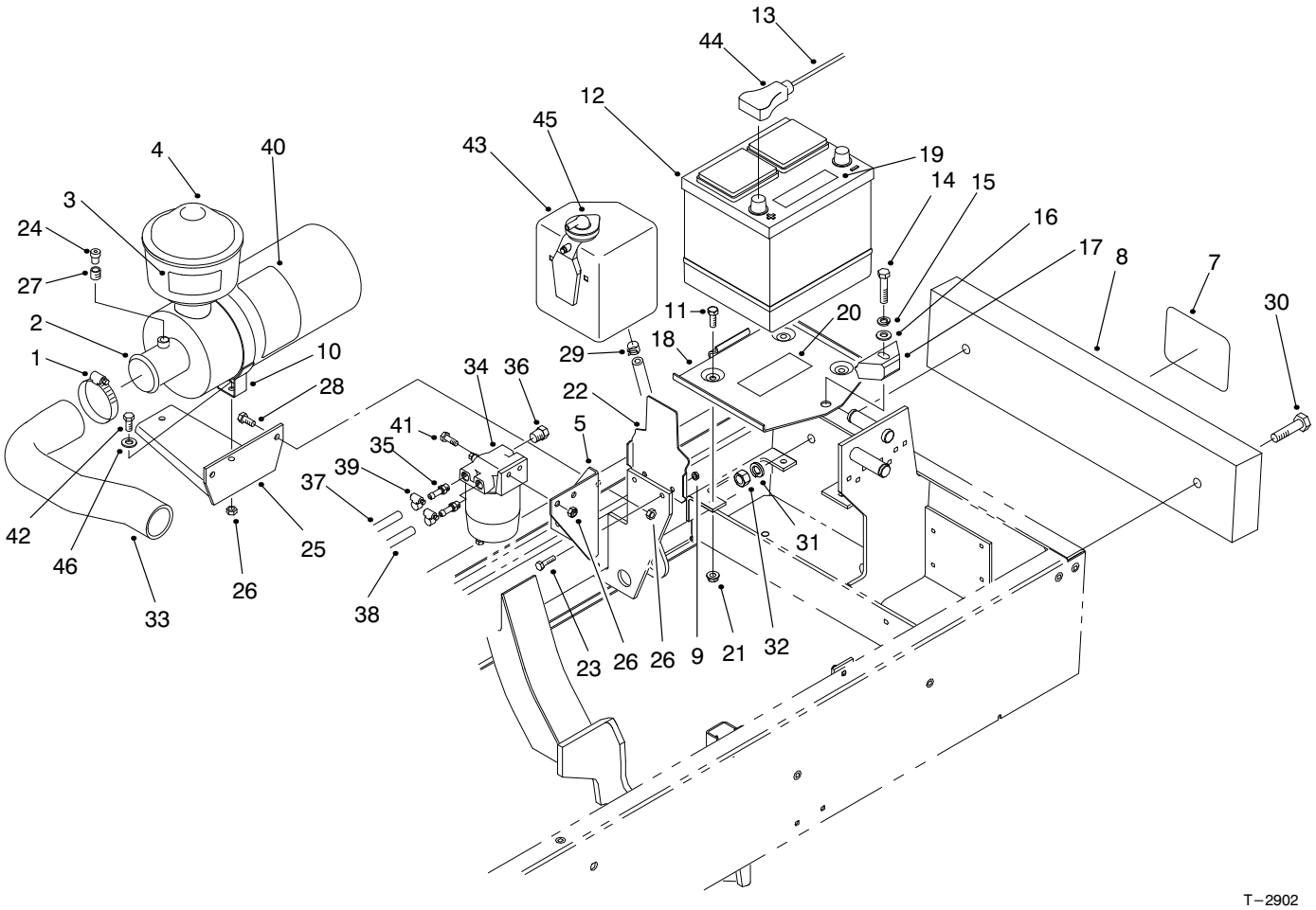


T−2925

EXHAUST MANIFOLD & GASKET ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9609	Gasket−Manifold, Inlet	1
2	98−9608	Manifold−Inlet	1
3	98−7605	Bolt	3
4	98−9353	Bolt	1
5	98−9355	Bolt	2
6	98−9444	Plug	1

Ref. No.	Part No.	Description	No. Used
9	98−9610	Gasket−Manifold, Exhaust	1
10	99−8343	Gasket−Muffler	1
11	99−8342	Stud	4
12	98−9718	Manifold−Exhaust	1
13	98−9665	Nut	6
14	98−9588	Stud	6

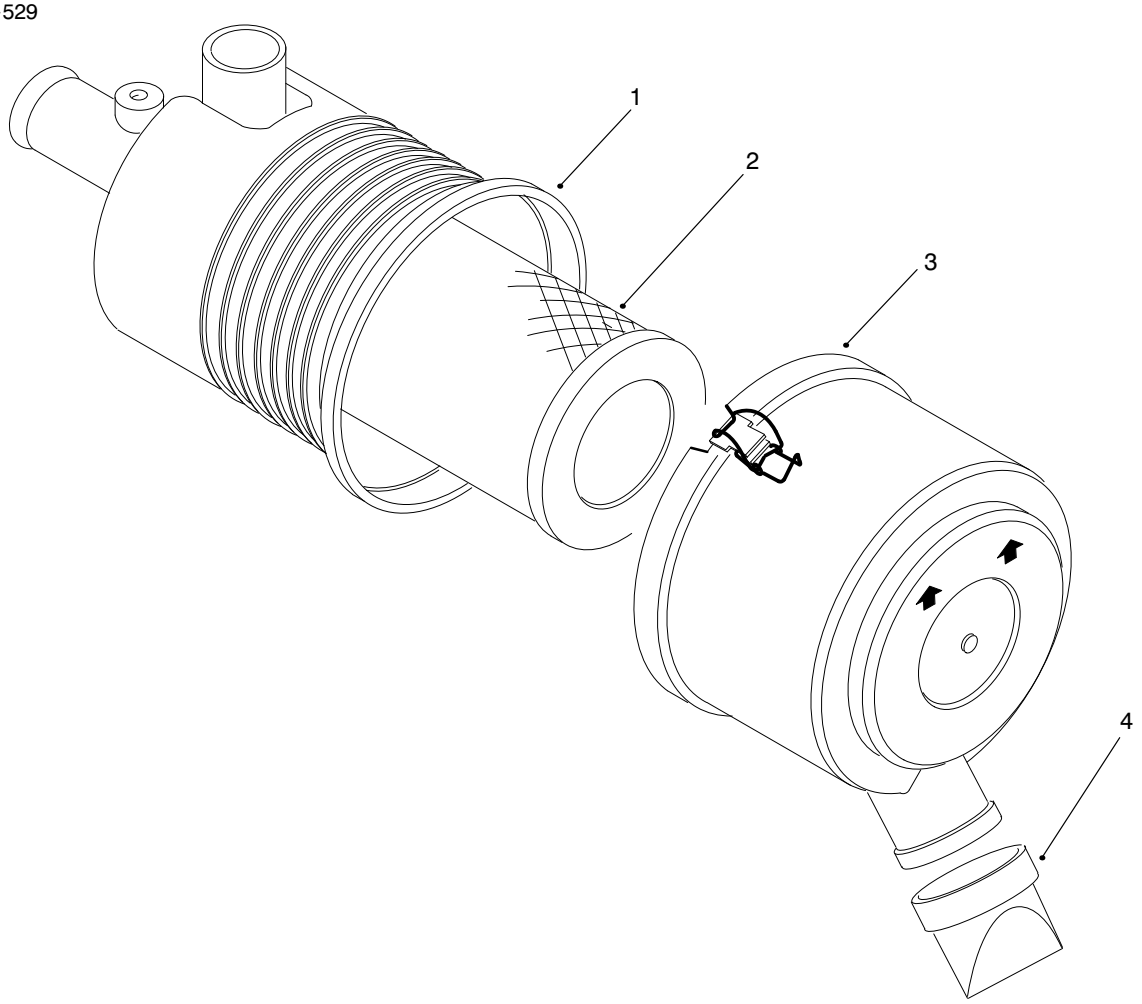


ENGINE COMPONENTS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412−42	Clamp−Hose	1
2	98−4517	Asm−Air Cleaner (Incl. Ref. #40)	1
3	93−6692	Decal−Starting Fluid	1
4	48−7430	Pre−Cleaner	1
5	98−4578	Bracket−Fuel Filter	1
7	62−5550	Decal−Toro	1
8	75−6680	Bar−Weight	1
9	32128−33	Nut−Lock	2
10	98−4525	Bracket−Mount, Air Cleaner	1
11	322−4	Screw−HH	3
12		Battery (Type 26, 530 Amp.)	1
13	98−4599	Asm−Battery Cable (+) (Incl. Ref. #44)	1
14	323−9	Screw−HH	1
15	3253−21	Washer−Lock	1
16	3256−24	Washer−Flat	1
17	94−7343	Clamp−Battery	1
18	66−2330	Base−Battery	1
19	93−6668	Decal−Battery	1
20	93−7276	Decal−Danger	1
21	32128−20	Nut−Lock	3
22	98−4576	Bracket−Reservoir, Water	1
23	321−5	Screw−HH	2

Ref. No.	Part No.	Description	No. Used
24	93−9164	Indicator−Service	1
25	98−4518	Bracket−Air Cleaner	1
26	3296−29	Nut−Lock	8
27	94−1416	Asm−Adapter, Indicator	1
28	322−5	Screw−HH	2
29	92−2379	Clamp−Hose	1
30	325−12	Screw−HH	2
31	3253−27	Washer−Lock	2
32	3217−9	Nut−Hex.	2
33	98−4510	Hose−Air Cleaner	1
34	98−9305	Filter−Water/Fuel Separator	1
35	353−783	Fitting−Fuel	1
36	281−13	Plug−Pipe	2
37	71−3381	Hose−Fuel	1
38	95−4275	Hose−Fuel	1
39	2412−108	Clamp	4
40	98−9788	Decal−Instructions	1
40	93−8052	Decal−Instructions (Europe)	1
41	3234−29	Screw	2
42	322−6	Screw−HH	2
43	98−9323	Asm−Expansion Tank (Incl. Ref. #45)	1
44	28−1280	Boot−Cable	1
45		Cap−Expansion Tank	1
46	3256−24	Washer−Flat	2

3322−529



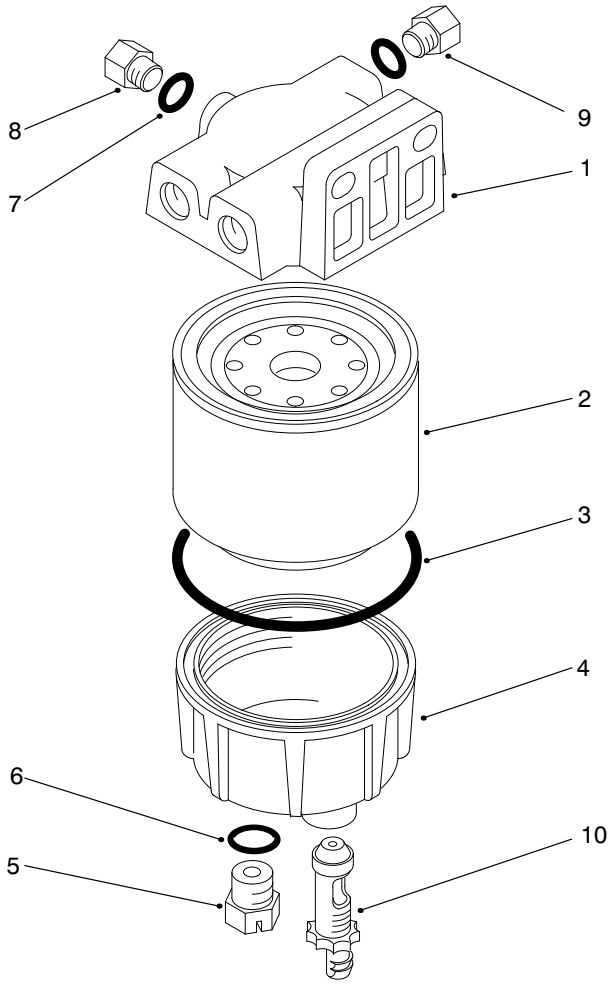
T−2903

AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1		Asm−Body	1
2	98−9763	Asm−Element	1

Ref. No.	Part No.	Description	No. Used
3	98−9771	Asm−Cover	1
4	94−1414	Valve−Vacuator	1

*Not Illustrated
†Not Serviceable Separately



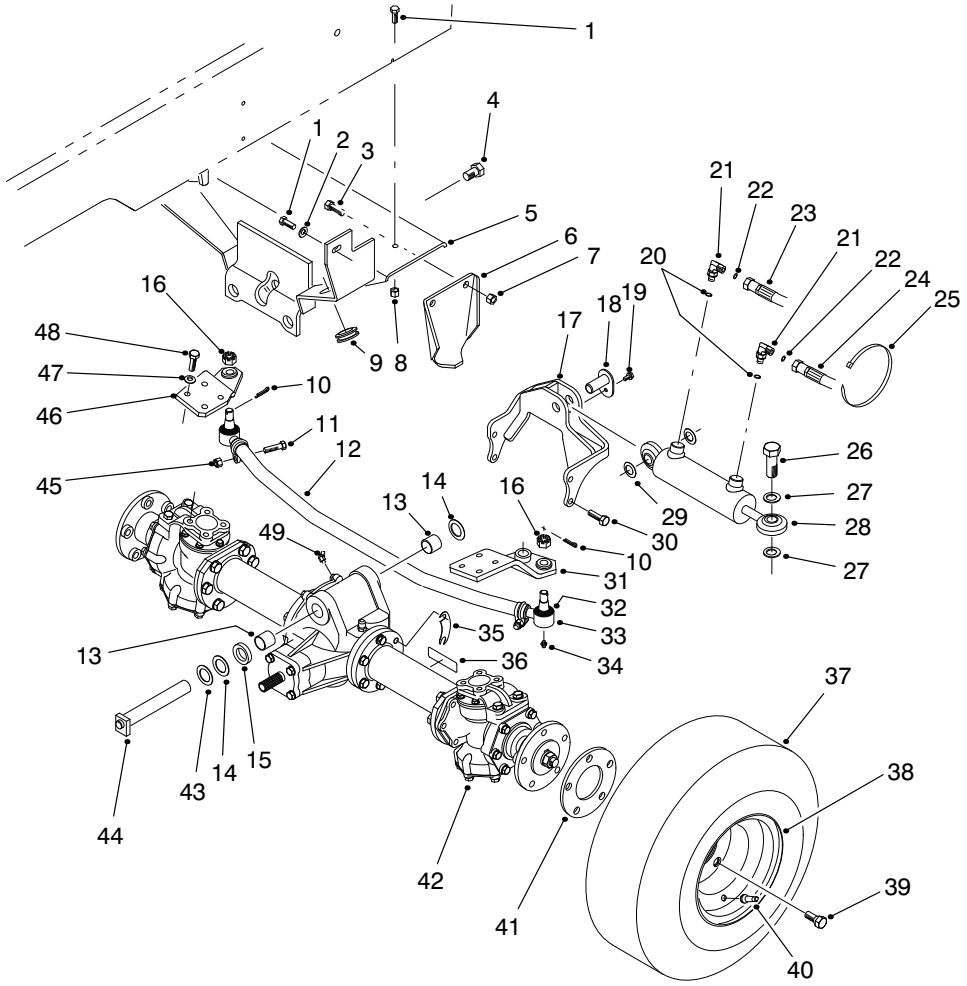
T–2904

FILTER, WATER/FUEL SEPARATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–9772	Head–Filter	1
2	98–9764	Element–Spin On	1
3	98–9774	O–Ring, Filter Base	1
4	98–9775	Base–Filter	1
5	98–9773	Plug–Base, Filter (Incl. Ref. #6)	1

Ref. No.	Part No.	Description	No. Used
6	237–42	O–Ring	1
7	237–78	O–Ring	1
8	98–9776	Plug–Head, Filter (Incl. Ref. 37)	1
9	285–22	Plug–Pipe	1
10	98–9777	Asm–Valve, Drain	1

3322−529



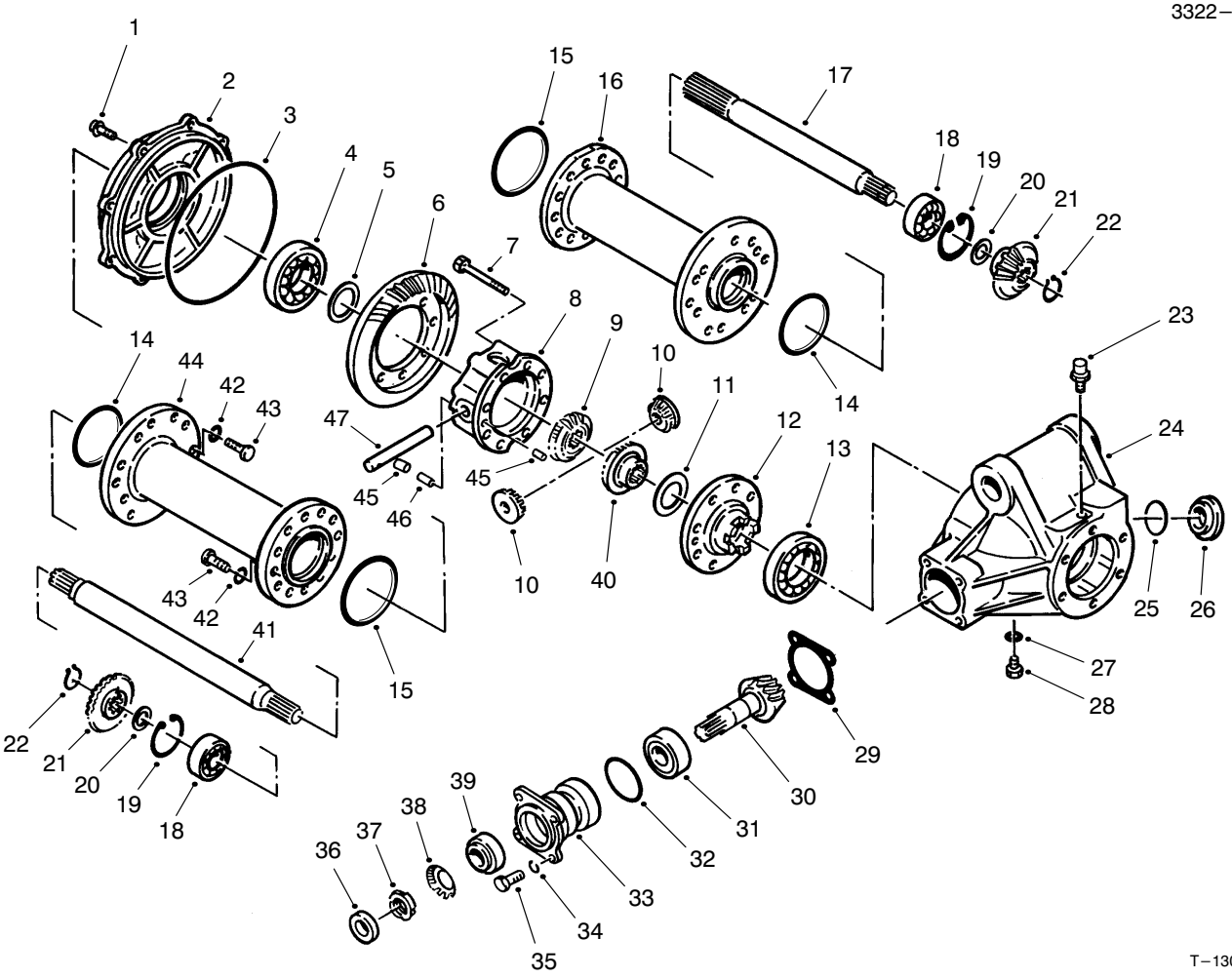
T−1325−1

REAR AXLE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323−7	Screw−HH	4
2	3256−24	Washer−Flat	2
3	325−5	Screw−HH	4
4	327−2	Screw−HH	1
5	75−1100	Support−Axle	1
6	83−5110	Stop−Axle	2
7	3296−23	Nut−Lock	4
8	3296−39	Nut−Lock	2
9	237−165	Grommet	2
10	3272−11	Pin−Cotter	1
11	323−9	Screw−HH	2
12	83−5020	Asm−Tube & Clamp	1
13	67−1750	Bushing−Sleeve	2
14	56−2460	Washer−Flat	2
15	83−5040	Washer	1
16	32136−13	Nut−Slotted	2
17	83−5100	Support−Cylinder	1
18	83−5150	Pin−Cylinder	1
19	32144−4	Screw−TAP	1
20	237−78	O−Ring	2
21	340−132	Fitting−Hydraulic 90˚ (Incl. Ref. #20 & 22)	2
22	237−21	O−Ring	2
23	75−6220	Hose−Hydraulic	1
24	75−6230	Hose−Hydraulic	1
25	3290−378	Tie−Cable	1
26	82−6910	Screw−HH	4

Ref. No.	Part No.	Description	No. Used
27	67−9410	Washer−Thrust	2
28	83−5030	Asm−Hydraulic Cylinder	1
29	83−5160	Shim	2
30	48−9480	Screw−HH	4
31	83−4930	Arm−Steering LH	1
32	71−4760	Seal−Tie Rod End	2
33	71−4740	Asm−Tie Rod End (Incl. Ref. #16, 32 & 34)	2
34	302−55	Fitting−Grease	2
35	83−5180	Shim−Axle	2
36	93−6697	Decal−Lube	1
37	231−141	Tire	2
38	217−121	Rim	2
39	71−4450	Bolt−Wheel	10
40	232−35	Valve−Stem	2
41	83−7460	Spacer−Wheel	2
42	68−6823	Asm−Axle	1
43	5−1226	Washer	2
44	75−4180	Pin−Rear Axle	1
45	3296−39	Nut−Lock	2
46	83−4950	Arm−Steering RH	1
47	48−9220	Washer−Flat	8
48	48−7780	Screw−HH	8
49	302−11	Fitting−Grease	1
*	83−5010	Asm−Tie Rod (Incl. Ref. #11, 12, 16, 32−34 & 45)	1

*Not Illustrated



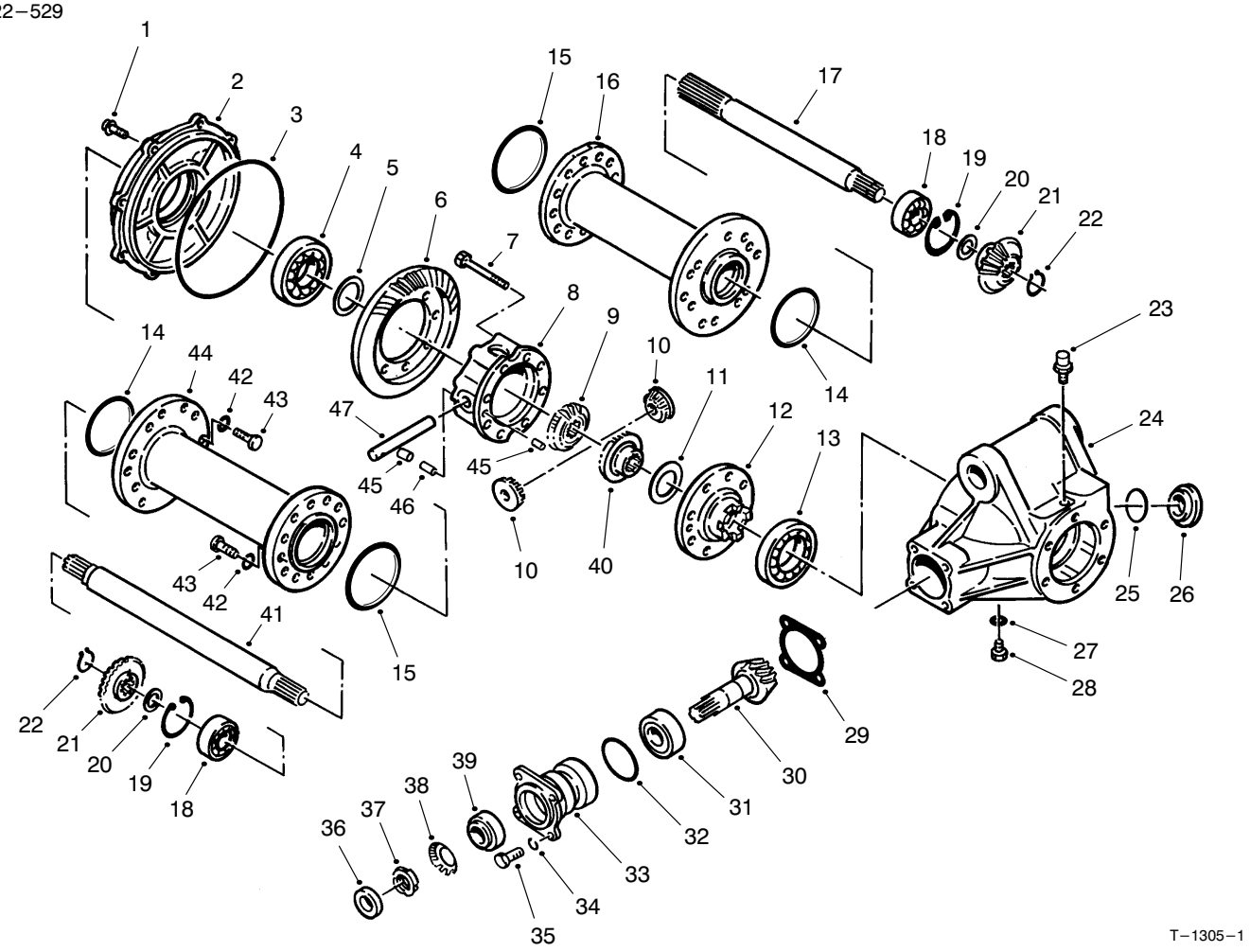
T–1305–1

REAR AXLE ASSEMBLY NO. 68–6823

Ref. No.	Part No.	Description	No. Used
1	72–5800	Bolt	8
2	72–4880	Cover	1
3	72–4890	O–Ring	1
4	251–344	Bearing–Ball	1
5	72–4960	Shim .1 mm	1
*	72–4970	Shim .15 mm	1
*	72–4980	Shim .5 mm	1
*	72–4990	Shim .8 mm	1
*	72–5000	Shim 1.0 mm	1
*	72–5010	Shim 1.2 mm	1
6		Gear–Bevel	1
7	72–5810	Bolt	8
8	72–4900	Case–Differential	1
9	72–4930	Gear–Side, Differential	1
10	72–4950	Gear–Pinion, Differential	2
11	72–5040	Washer–Gear, Diff.	1
12	72–4910	Flange–Case, Diff.	1
13	251–345	Bearing–Ball	1
14	93–3664	O–Ring	2
15	93–3665	O–Ring	2
16	83–5270	Tube–Axle, RH	1
17	83–5280	Axle–RH	1
18	251–350	Bearing–Ball	2
19	72–5360	Ring–Retaining	2
20	72–5100	Spacer	2
21	72–5090	Gear–Bevel	2

Ref. No.	Part No.	Description	No. Used
22	72–5370	Ring–Retaining	2
23	72–5130	Vent	1
24	72–4870	Case–Differential	1
25	72–5140	O–Ring	1
26	72–5150	Plug	1
27	72–5840	Gasket	1
28	72–5820	Plug	1
29	72–5160	Shim .1mm	1
*	72–5170	Shim .15 mm	1
*	72–5180	Shim .5 mm	1
*	72–5190	Shim .8 mm	1
*	72–5200	Shim 1.0 mm	1
*	72–5210	Shim 1.2 mm	1
30		Gear–Pinion	1
31	254–108	Bearing–Roller, Tapered	1
32	72–5460	O–Ring	1
33	83–5350	Case–Bearing	1
34	42–9850	Washer–Lock	8
35	48–9460	Bolt–HH	4
36	83–5360	Seal–Oil	1
37	83–5340	Nut–Bearing	1
38	83–5330	Washer–Bearing	1
39	254–109	Bearing–Roller, Tapered	1
40	72–4940	Gear–Side, Differential	1
41	83–5310	Axle–LH	1
42	42–9600	Washer–Lock	24

3322−529

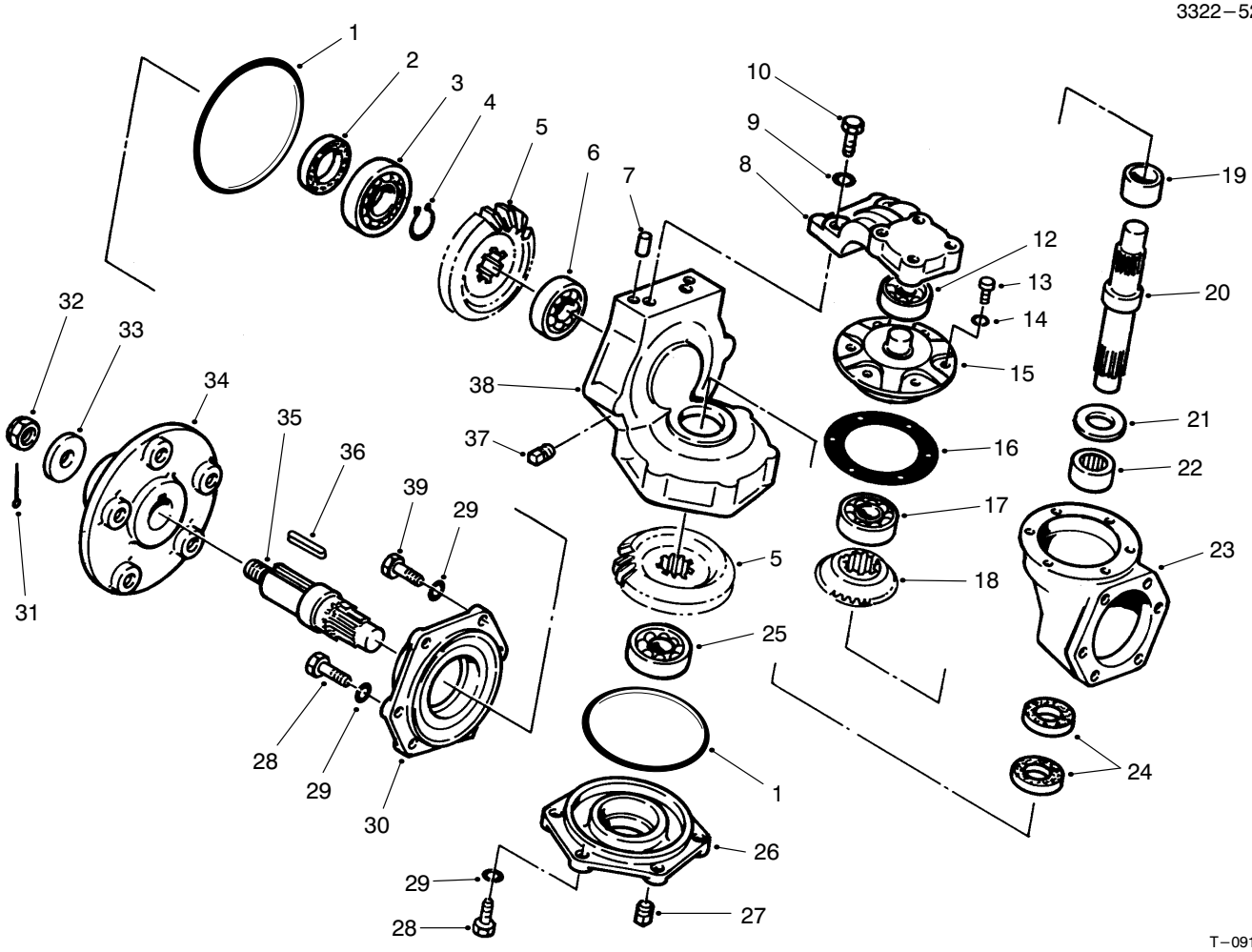


T−1305−1

REAR AXLE ASSEMBLY NO. 68−6823 (Continued)

Ref. No.	Part No.	Description	No. Used
43	48−9470	Bolt	24
44	83−5290	Tube−Axle, LH	1
45	72−5030	Pin−Dowel	2
46	72−5440	Pin−Spring	1

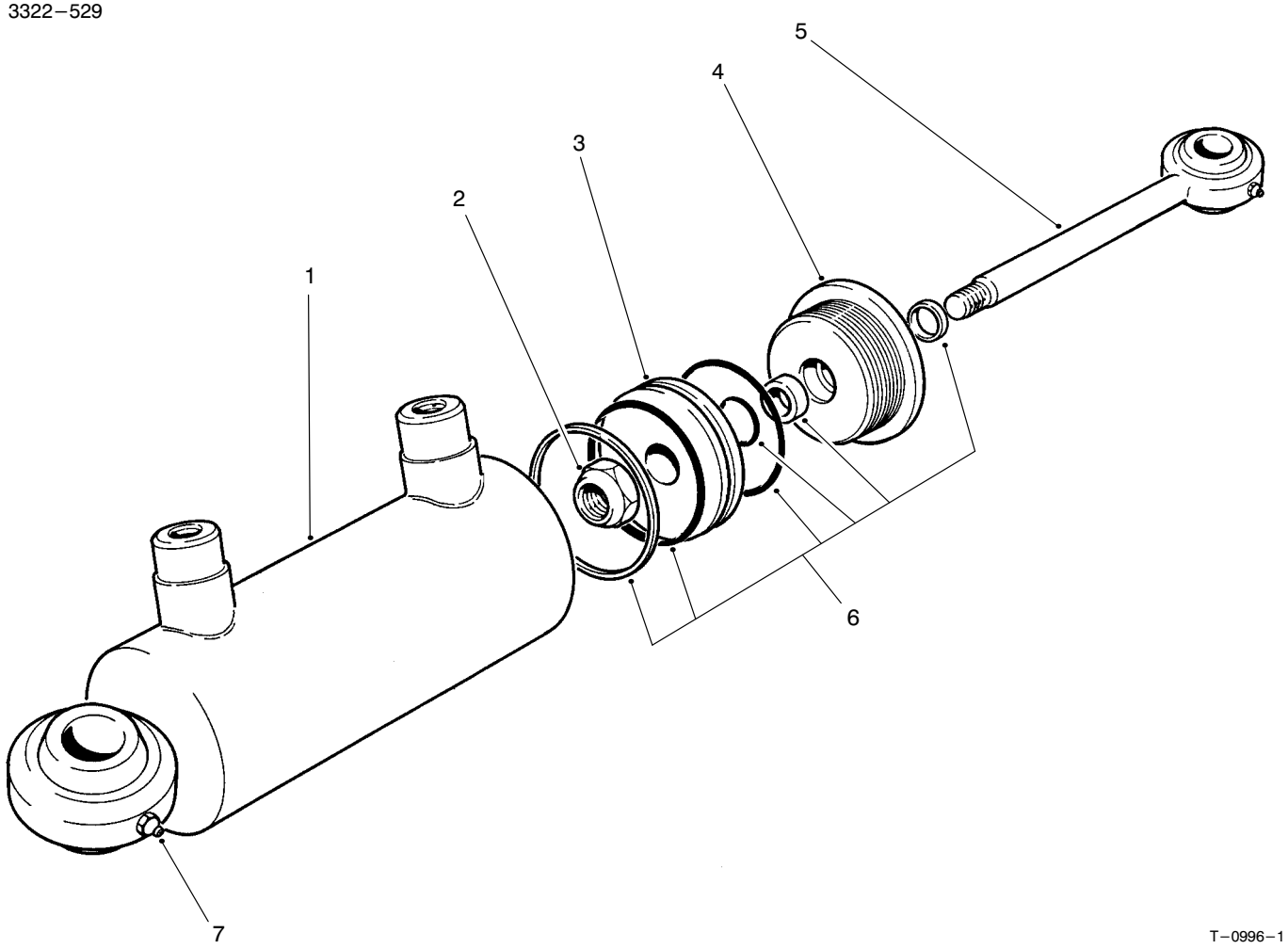
Ref. No.	Part No.	Description	No. Used
47	72−5020	Shaft−Pinion	1
*	83−5370	Asm−Ring & Pinion (Incl. Ref.#6 & 30)	1



REAR AXLE ASSEMBLY NO. 68–6823 (Continued)

Ref. No.	Part No.	Description	No. Used
1	93–3670	O–Ring	4
2	72–5740	Seal–Oil	2
3	251–348	Bearing–Ball	2
4	72–5720	Ring–Retaining	2
5	72–5580	Gear–Bevel	4
6	251–8	Bearing–Ball	2
7	93–3671	Pin–Dowel	4
8	93–3672	Arm–Knuckle	2
9	42–9600	Washer–Lock	28
10	48–9470	Screw–HH	4
12	251–347	Bearing–Ball	2
13	72–5790	Screw–HH	12
14	43–5930	Washer–Lock	12
15	72–5590	Retainer–Bearing	2
16	72–5630	Gasket	2
17	251–349	Bearing–Ball	2
18	72–5090	Gear–Bevel	2
19	72–5680	Spacer	2
20	72–5560	Pin–King, Knuckle	2

Ref. No.	Part No.	Description	No. Used
21	93–3668	Washer–Thrust	2
22	93–3669	Bearing–Needle	2
23	93–3666	Gear Box–Axle	2
24	72–5730	Seal–Oil	4
25	251–263	Bearing–Ball	2
26	72–5550	Cover	2
27	281–10	Plug–Socket, Hex.	2
28	48–9460	Screw–HH	20
29	42–9850	Washer–Lock	28
30	72–5540	Case–Knuckle	2
31	3272–17	Pin–Cotter	2
32	72–5770	Nut–Castle	2
33	72–5660	Washer–Shaft, Wheel	2
34	72–5650	Hub–Wheel	2
35	72–5570	Shaft–Axle, Outer	2
36	72–5780	Key	2
37	281–7	Plug–Pipe, Square Hd.	2
38	93–3667	Case–Knuckle	2
39	48–7710	Screw–HH	4

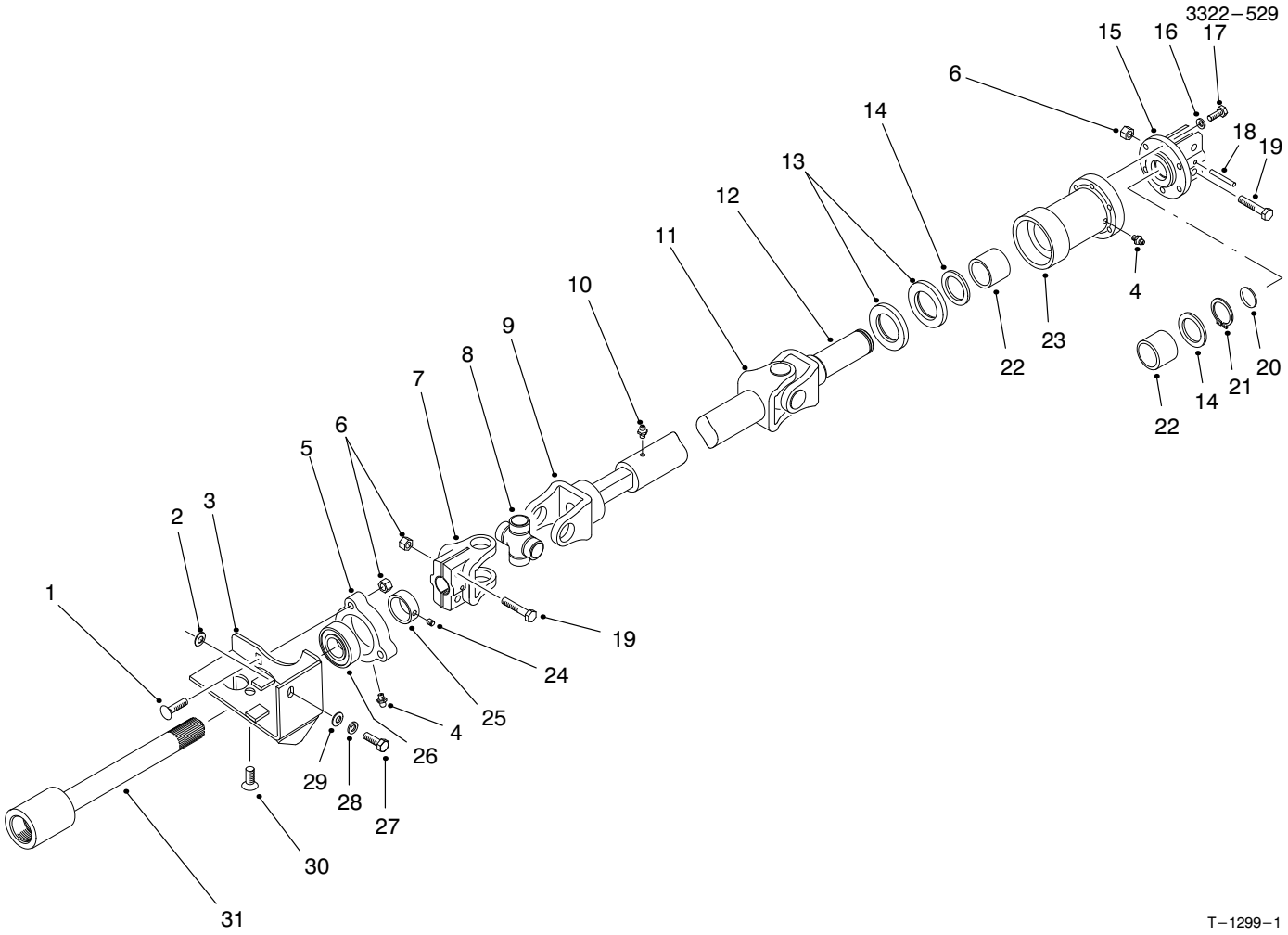


T−0996−1

HYDRAULIC CYLINDER NO. 83−5030

Ref. No.	Part No.	Description	No. Used
†1		Asm−Barrel	1
2	75−1210	Nut−Lock	1
3	75−1220	Piston	1
4	75−1260	Head−Internal	1
5	83−5380	Asm−Piston Rod	1
6	75−1250	Seal Kit	1
7	302−5	Fitting−Grease	2

†Not Serviced Separately



T–1299–1

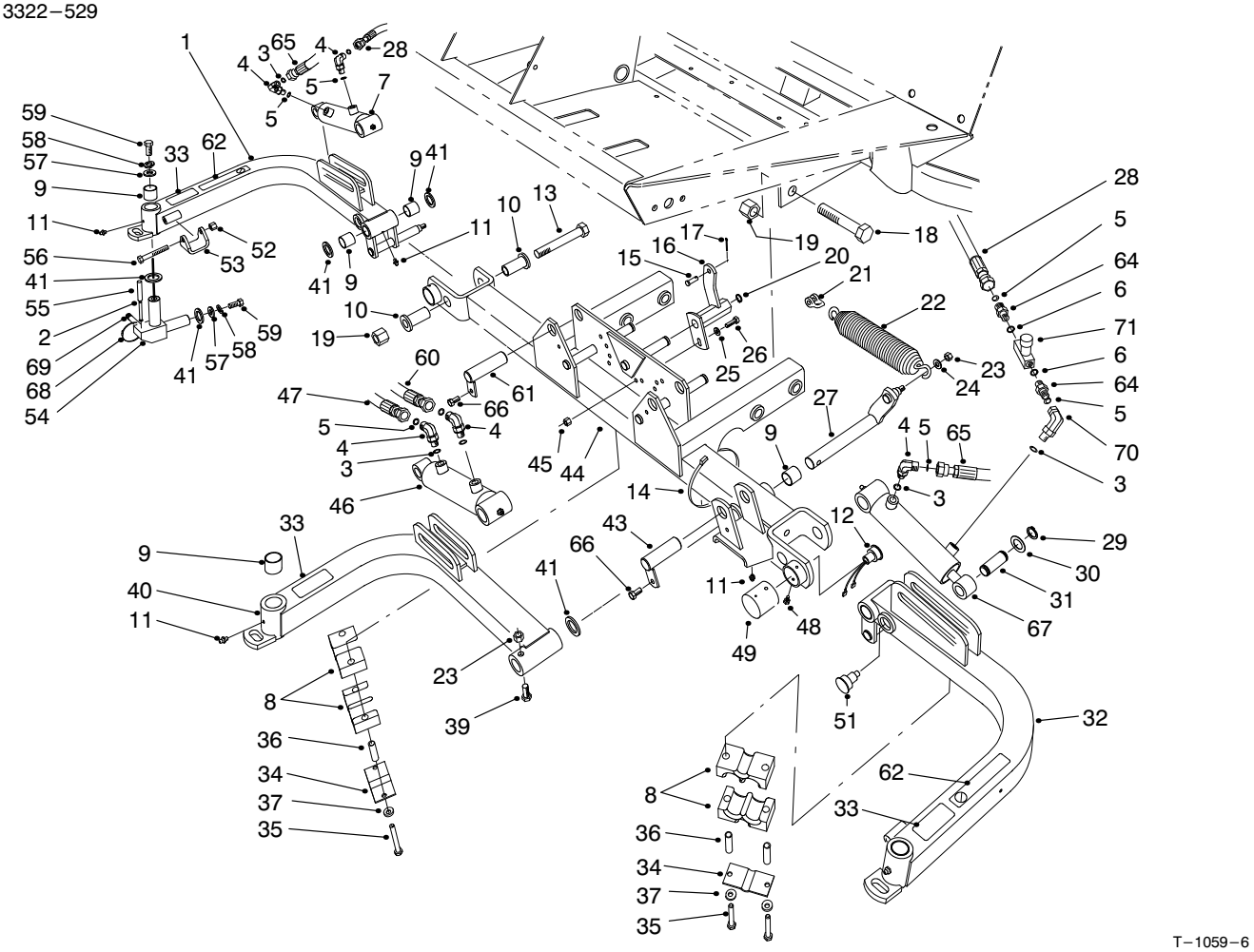
DRIVE SHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3230–3	Bolt–Carriage	3
2	83–7470	Shim	2
3	83–4970	Bracket–Bearing	1
4	302–5	Fitting–Grease	2
5	76–2460	Asm–Bearing (Incl. Ref. #4 & 24–26)	1
6	3296–29	Nut–Lock	7
7	54–9090	Yoke–End	1
8	54–9180	Kit–Universal Joint	2
9	72–3420	Shaft–Slip Yoke	1
10	302–58	Fitting–Grease	1
11	83–5260	Tube–Slip Yoke	1
12	72–3440	Yoke–Shaft	1
13	253–155	Seal	2
14	71–4590	Washer–Thrust	2
15	76–4690	Asm–Axle Coupling (Incl. Ref. #6 & 19)	1
16	3253–3	Washer–Lock	6

Ref. No.	Part No.	Description	No. Used
17	3274–8	Screw–HH	6
18	32121–34	Pin–Roll	1
19	322–8	Screw–HH	4
20	284–3	Plug–Welch	1
21	32151–87	Ring–Retaining	1
22	71–4580	Clutch–Roller	2
23	71–4570	Housing–Clutch	1
24	3245–35	Screw–Set	1
25	251–77	Collar–Locking	1
26	251–337	Bearing–Ball	1
27	48–9460	Screw–HH	1
28	42–9850	Washer–Lock	1
29	48–8030	Washer–Flat	1
30	3274–34	Screw–Socket Flat Hd.	1
31	83–4900	Shaft–Traction	1
*	83–5190	Asm–Drive Shaft (Incl. Ref. #7–12)	1

*Not Illustrated

3322–529

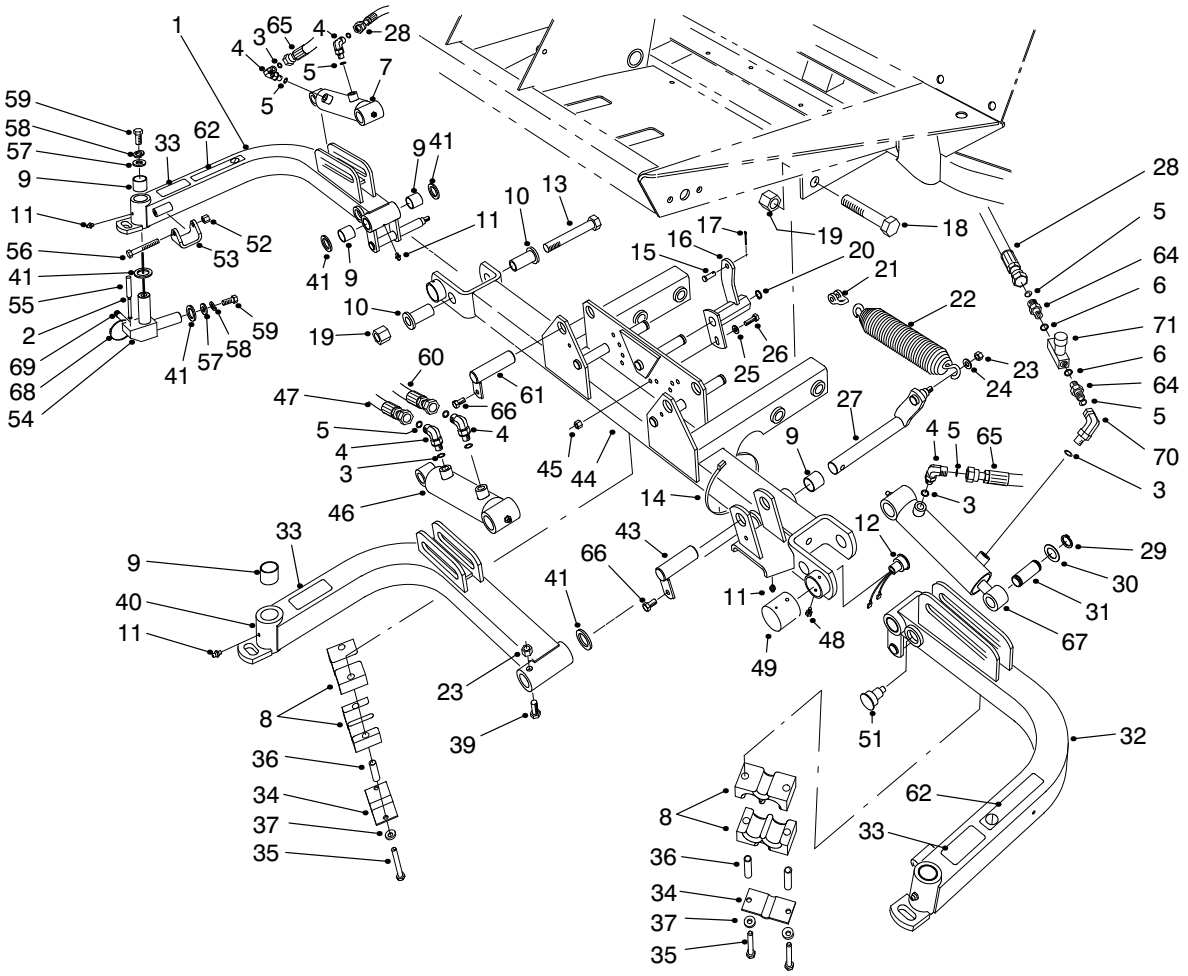


FRONT LIFT ARMS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94–5598	Asm–Lift Arm RH (Incl. Ref. #9 & 11)	1
2	32121–27	Pin–Roll	3
3	237–78	O–Ring	6
4	340–132	Fitting–Hydraulic 90° (Incl. Ref. #3 & 5)	5
5	237–21	O–Ring	8
6	237–42	O–Ring	2
7	98–8069	Asm–Hydraulic Cylinder	1
8	82–8170	Clamp–Hose	8
9	67–1750	Bushing–Sleeve	12
10	84–8320	Insert–Hinge	4
11	302–5	Fitting–Grease	6
12	92–8002	Sensor–Reed Switch	1
13	328–12	Screw–HH	2
14	3290–379	Tie–Cable	3
15	283–6	Pin–Clevis	3
16	75–5210	Bracket–Spring Center	1
*	75–5200	Bracket–Spring RH	1
*	75–5220	Bracket–Spring LH	1
17	3272–10	Pin–Cotter	3
18	328–7	Screw–HH	4
19	3296–51	Nut–Lock	6
20	32151–48	Ring–Retaining	3
21	282–4	Clevis–Spring	3

Ref. No.	Part No.	Description	No. Used
22	5–0743	Spring–Extension	3
23	3296–44	Nut–Lock	4
24	3256–24	Washer–Flat	3
25	3256–23	Washer–Flat	3
26	322–5	Screw–HH	3
27	75–4550	Shaft–Center Arm Pivot	1
28	75–5890	Hose–Hydraulic	2
29	32120–93	Ring–Retaining	6
30	3–6498	Washer–Thrust	6
31	75–5350	Pin–Cylinder Rod End	3
32	94–5800	Asm–Lift Arm LH (Incl. Ref. #9 & 11)	1
33	93–6696	Decal–Warning	3
34	93–7961	Clamp–Rubber	3
35	322–13	Screw–HH	6
36	93–7960	Spacer	6
37	3256–70	Washer–Flat	6
39	323–11	Screw–HH	1
40	94–5802	Asm–Lift Arm, Center (Incl. Ref. #9 & 11)	1
41	256–115	Washer–Thrust	11
43	83–6790	Pin–Cylinder (Short)	1
44	94–5808	Asm–Carrier Frame (Incl. Ref. #9 & 11)	1
45	3296–29	Nut–Lock	3

*Not Illustrated

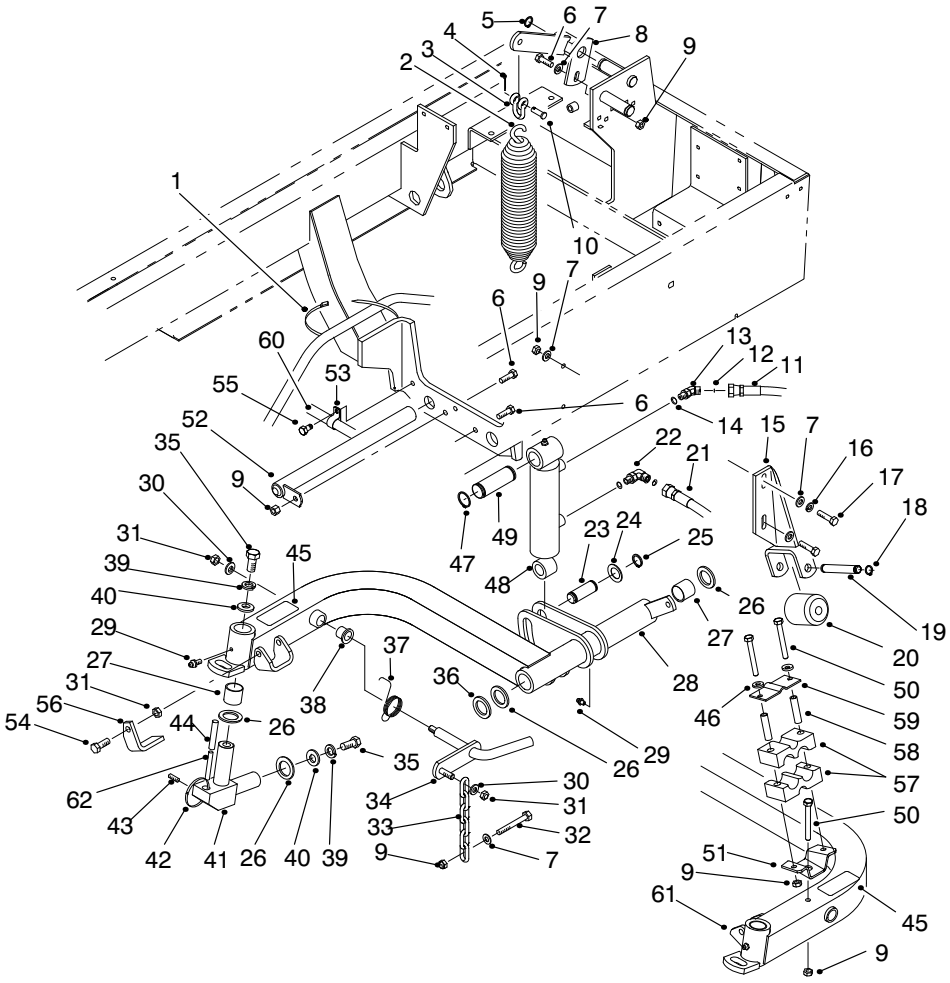


FRONT LIFT ARMS ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
46	93–9310	Asm–Hydraulic Cylinder	1
47	75–5900	Hose–Hydraulic	1
48	32104–76	Screw–Thread Forming	2
49	75–6370	Cover–Sensor	1
51	92–8754	Actuator–Reed Switch	1
52	3296–39	Nut–Lock	2
53	75–5410	Bracket–Arm	2
54	75–3010	Joint–Arm	3
55	32121–122	Pin–Roll	3
56	323–12	Screw–HH	2
57	3256–6	Washer–Flat	6
58	3253–7	Washer–Lock	6
59	325–4	Screw–HH	6
60	75–5910	Hose–Hydraulic	1
61	83–6780	Pin–Cylinder (Long)	2

Ref. No.	Part No.	Description	No. Used
62	93–6687	Decal–No Step	2
64	340–1	Fitting–Straight (Incl. Ref. #5 & 6)	2
65	82–6490	Hose–Hydraulic	1
66	32144–14	Screw–Self Tapping	3
67	98–8068	Asm–Hydraulic Cylinder	1
68	3290–378	Tie–Cable	5
69	92–9097	Set Screw	3
70	340–143	Fitting–Hydraulic 90° (Incl. Ref. #3)	1
71	98–9742	Valve–Flow Control	1
*	93–6688	Decal–Hands/Feet (Mounted on Cutting Unit Frames)	3

* Not Illustrated

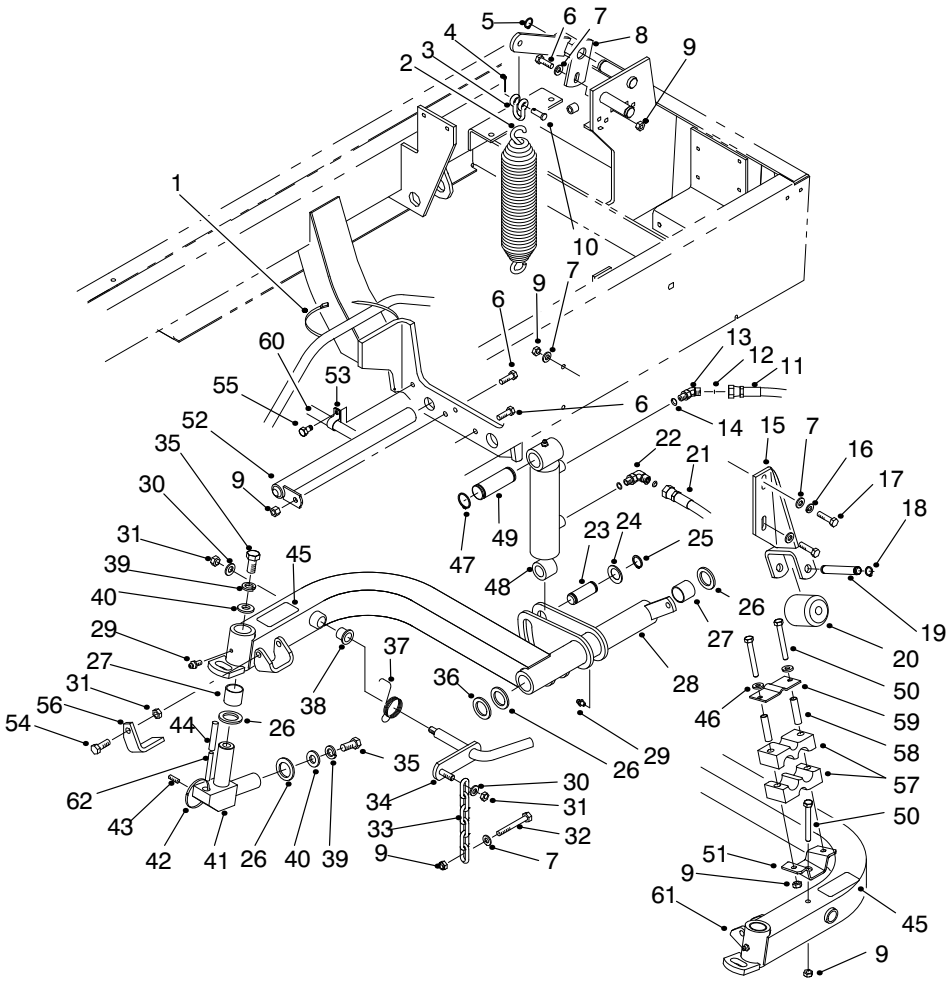


REAR LIFT ARMS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3290−379	Tie−Cable	4
2	5−0743	Spring−Counterbalance	2
3	282−4	Clevis−Spring	2
4	3272−10	Pin−Cotter	2
5	32151−48	Ring−Retaining	2
6	322−5	Screw−HH	3
7	3256−23	Washer−Flat	10
8	98−4548	Bracket−Spring Rear RH	1
*	98−4536	Bracket−Spring Rear LH	1
9	3296−29	Nut−Lock	11
10	283−6	Pin−Clevis	2
11	75−6070	Hose−Hydraulic (Cap)	1
12	237−78	O−Ring	4
13	340−103	Fitting−Hydraulic 45° (Incl. Ref. #12 & 14)	1
14	237−21	O−Ring	4
15	75−3810	Bracket−Roller	2
16	3253−4	Washer−Lock	2
17	322−6	Screw−HH	4
18	32151−61	Ring−Retaining	4
19	75−5400	Shaft−Roller	2
20	75−5390	Roller	2
21	75−6180	Hose−Hydraulic RH (Rod)	2
*	75−6080	Hose−Hydraulic LH (Rod)	1
22	340−132	Fitting−Hydraulic 90° (Incl. Ref. #12 & 14)	3

Ref. No.	Part No.	Description	No. Used
23	75−5350	Pin−Cylinder Rod End	2
24	3−6498	Washer−Thrust	4
25	32120−93	Ring−Retaining	4
26	256−115	Washer−Thrust	8
27	67−1750	Bushing−Sleeve	8
28	94−5596	Asm−Lift Arm Rear RH (Incl. Ref. #27, 29 & 38)	1
29	302−5	Fitting−Grease	4
30	3256−24	Washer−Flat	4
31	3296−39	Nut−Lock	6
32	322−12	Screw−HH	2
33	5−1096	Chain−Cutting Unit	2
34	75−4590	Rod−Pivot	2
35	325−4	Screw−HH	4
36	93−0142	Bushing−Straight	2
37	75−4520	Spring−Torsion RH	1
*	75−4530	Spring−Torsion LH	1
38	256−287	Bushing−Flange	4
39	3253−7	Washer−Lock	4
40	3256−6	Washer−Flat	4
41	75−3010	Joint−Arm	2
42	3290−378	Tie−Cable	2
43	92−9097	Set Screw	2
44	32121−122	Pin−Roll	2

*Not Illustrated

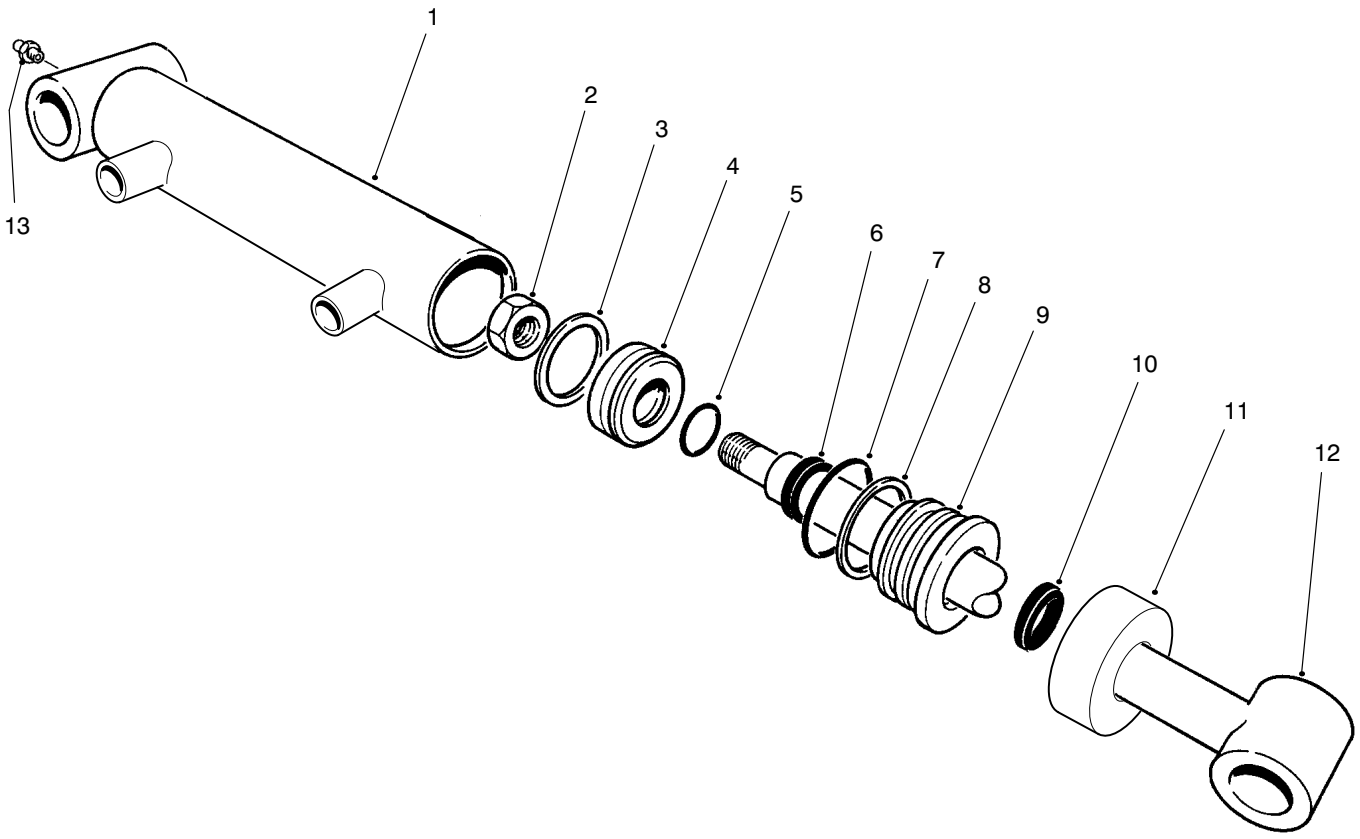


REAR LIFT ARMS ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
45	93–6696	Decal–Warning	2
46	3256–70	Washer–Plain	2
47	32151–36	Ring–Retaining	4
48	93–9311	Asm–Hydraulic Cylinder	2
49	75–5360	Pin–Cylinder Cap End	2
50	322–13	Screw–HH	3
51	94–4919	Bracket–Clamp, Hose	1
52	93–0069	Pin–Pivot	2
54	323–6	Screw–HH	2
56	93–3640	Stop–Reel RH	1

Ref. No.	Part No.	Description	No. Used
*	83–5170	Stop–Reel LH	1
57	82–8170	Clamp	2
58	93–7960	Spacer	2
59	93–7961	Clamp	1
61	94–5594	Asm–Lift Arm Rear LH (Incl. Ref. #27, 29 & 38)	1
62	32121–27	Pin–Roll	2
*	93–6688	Decal–Hands/Feet (Mounted on Cutting Unit Frames)	2

*Not Illustrated



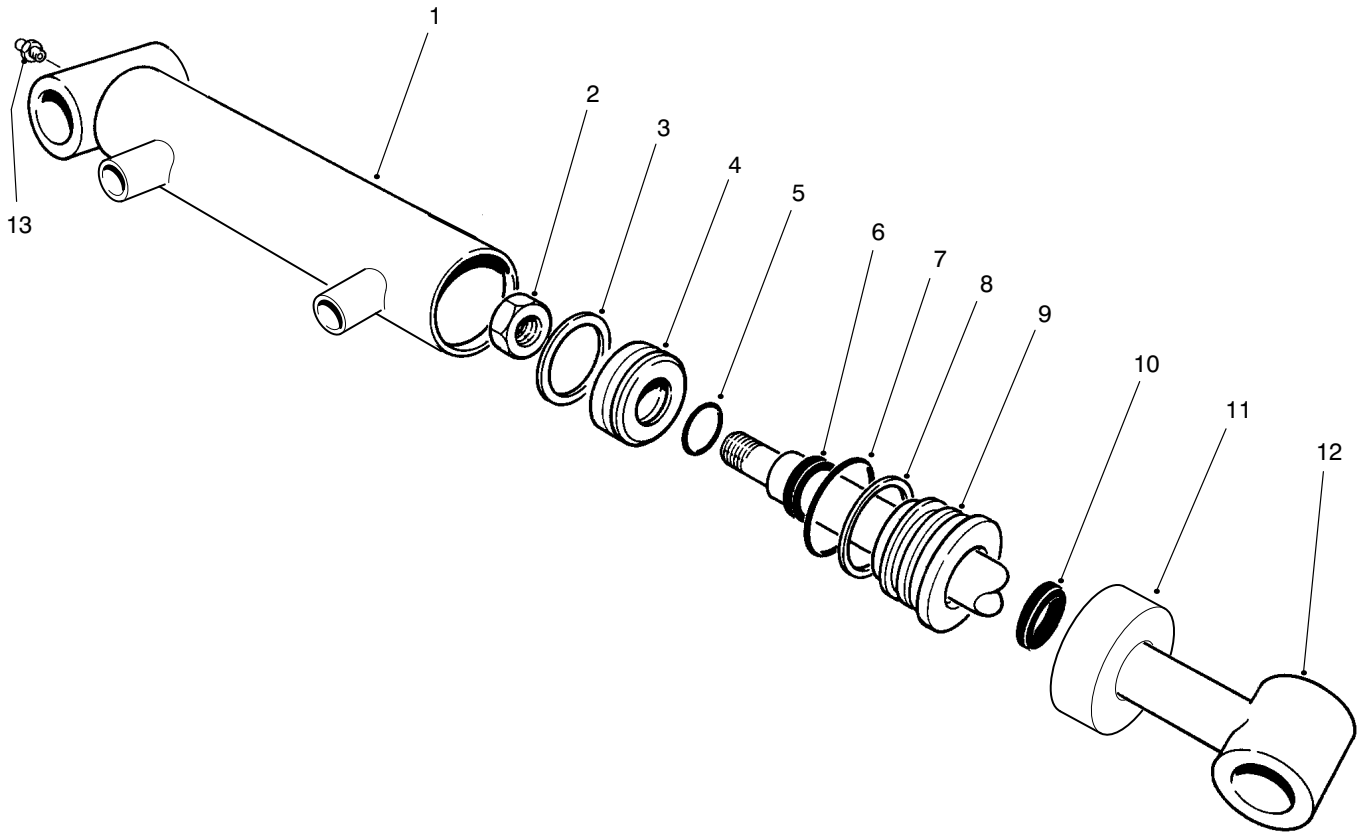
T−2114−2

HYDRAULIC CYLINDER NO. 93−9311

Ref. No.	Part No.	Description	No. Used
†1	93−9313	Asm−Barrel	1
2	32152−10	Nut	1
†3		Uni−ring	1
4	70−2780	Piston	1
†5		O−Ring	1
†6		Seal−Rod	1
†7		O−Ring	1
†8		Backup	1

Ref. No.	Part No.	Description	No. Used
9	93−7990	Head	1
†10		Seal−Dust	1
11	93−7991	Collar	1
12	75−3790	Shaft and Tube	1
13	302−5	Fitting−Grease	1
*	86−7330	Seal Repair Kit (Incl. Ref. #3, 5−8 & 10)	1

*Not Illustrated
†Not Serviced Separately



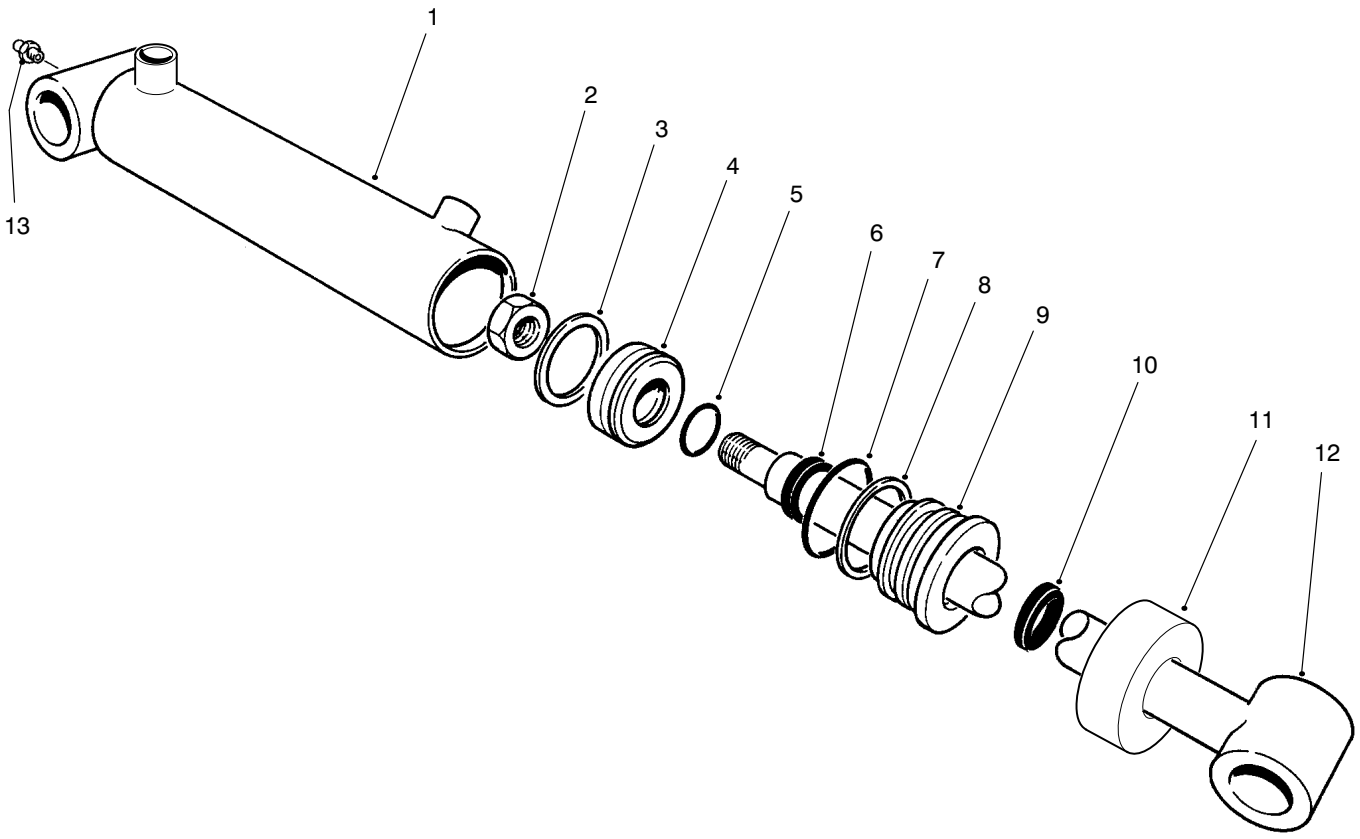
T–2114–2

HYDRAULIC CYLINDER NO. 93–9310

Ref. No.	Part No.	Description	No. Used
1	93–9312	Asm–Barrel	1
2	32152–10	Nut	1
†3		Uni–ring	1
4	70–2780	Piston	1
†5		O–Ring	1
†6		Seal–Rod	1
†7		O–Ring	1
†8		Backup	1

Ref. No.	Part No.	Description	No. Used
9	93–7990	Head	1
†10		Seal–Dust	1
11	93–7991	Collar	1
12	75–3790	Shaft and Tube	1
13	302–5	Fitting–Grease	1
*	86–7330	Seal Repair Kit (Incl. Ref. #3, 5–8 & 10)	1

*Not Illustrated
†Not Serviced Separately



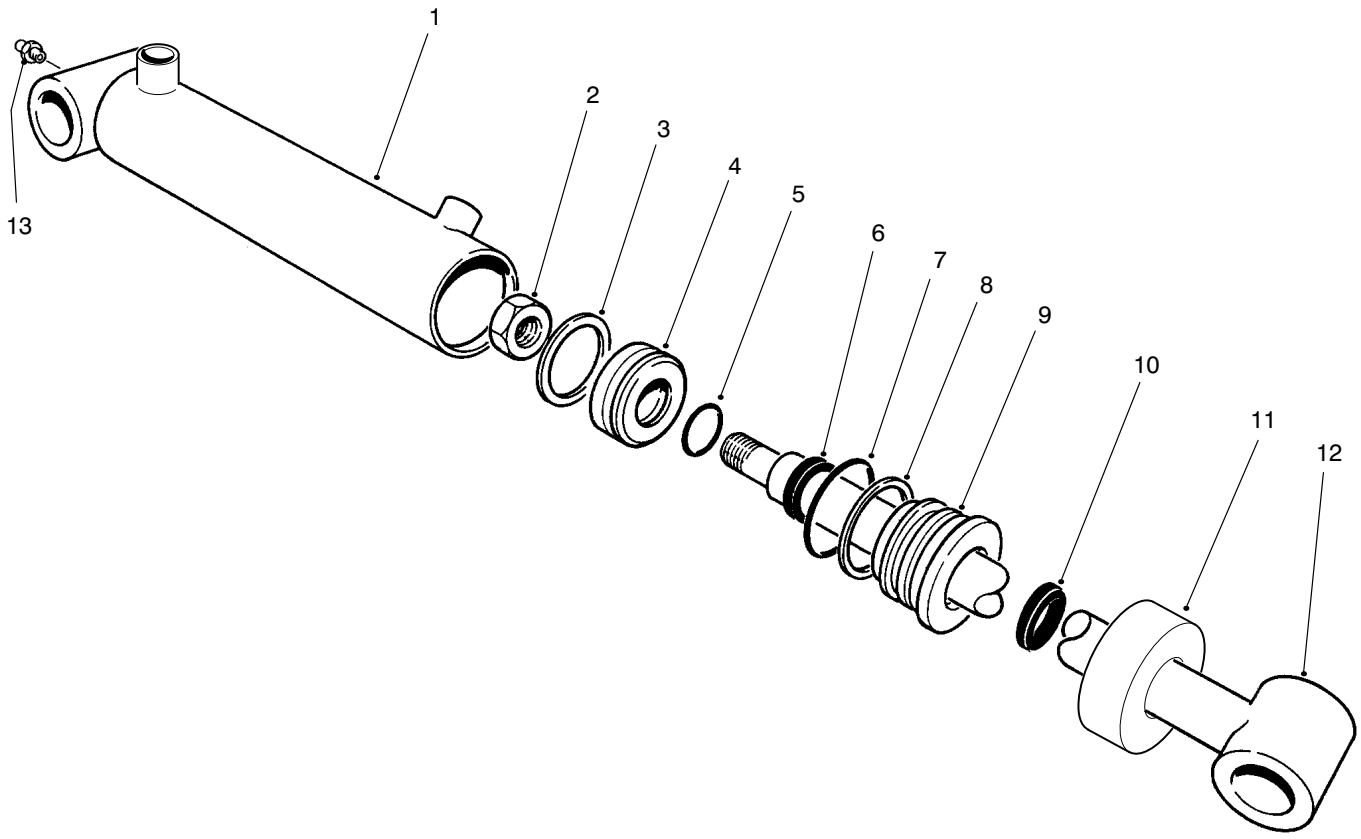
T−2115−1

HYDRAULIC CYLINDER NO. 98−8069

Ref. No.	Part No.	Description	No. Used
1	93−7558	Asm−Barrel	1
2	32152−10	Nut	1
†3		Uni−ring	1
4	84−1710	Piston	1
†5		O−Ring	1
†6		Seal−Rod	1
†7		O−Ring	1
†8		Backup	1

Ref. No.	Part No.	Description	No. Used
9	98−7354	Head	1
†10		Seal−Dust	1
11	93−7994	Collar	1
12	84−1740	Shaft and Tube	1
13	302−5	Fitting−Grease	1
*	84−1760	Seal Repair Kit (Incl. Ref. #3, 5−8 & 10)	1

*Not Illustrated
†Not Serviced Separately



T–2115–1

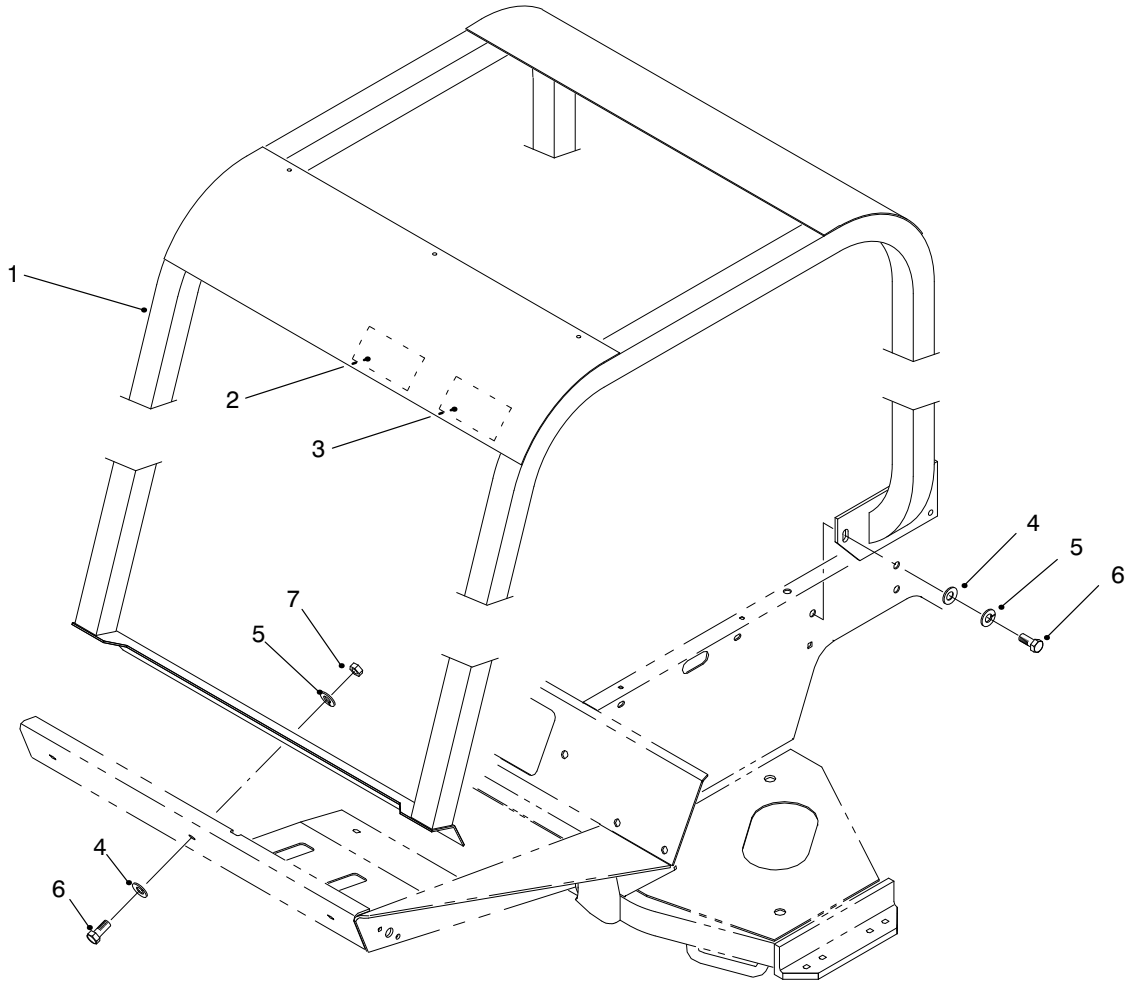
HYDRAULIC CYLINDER NO. 98–8068

Ref. No.	Part No.	Description	No. Used
1	93–7557	Asm–Barrel	1
2	32152–10	Nut	1
†3		Uni–ring	1
4	70–2780	Piston	1
†5		O–Ring	1
†6		Seal–Rod	1
†7		O–Ring	1
†8		Backup	1

Ref. No.	Part No.	Description	No. Used
9	98–7353	Head	1
†10		Seal–Dust	1
11	93–7991	Collar	1
12	75–2120	Shaft and Tube	1
13	302–5	Fitting–Grease	1
*	86–7330	Seal Repair Kit (Incl. Ref. #3, 5–8 & 10)	1

*Not Illustrated
†Not Serviced Separately

3322−529



T−1959−1

ROLL OVER PROTECTION SYSTEM (R.O.P.S.) (Optional)

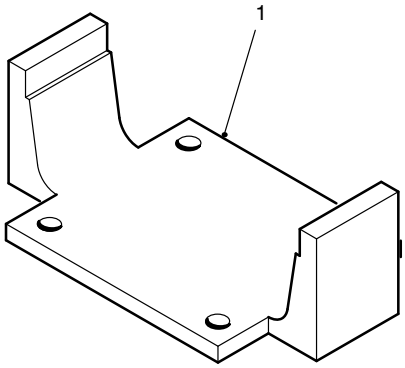
Ref. No.	Part No.	Description	No. Used
1	83−7410	Roll−Bar	1
2	85−9980	Decal−R.O.P.S.	1
2	93−8073	Decal−R.O.P.S. (Europe)	1
3	83−7430	Decal−Danger	1
3	93−8050	Decal−Danger (Europe)	1
3	84−4300	Decal−Danger (Japan)	1
4	3256−26	Washer−Flat	9

Ref. No.	Part No.	Description	No. Used
5	3253−7	Washer−Lock	9
6	325−5	Screw−HH	9
7	3217−9	Nut−Lock	3
*	21−4191	Asm−Seat Belt	1
*	3212−4	Screw−HH	2
*	3253−6	Washer−Lock	2

*Not Illustrated

SPECIAL TOOLS

AXLE TOOL NO. *TOR859920



T−1325−1

Ref. No.	Part No.	Description	No. Used
1		Tool−Axle	1

*Obtain these items directly from OTC 2013 4th St. Owatonna, MN. 55060 1−800−533−0492 (in Minnesota and Canada 1−507−455−7050) Fax. 507−455−7011.

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
3–6498	Washer–Thrust	30	22	2
3–6498	Washer–Thrust	76	24	4
3–6498	Washer–Thrust	74	30	6
3–6657	Clamp–Cable	7	29	1
3–6657	Clamp–Cable	37	51	1
5–0652	Spacer	6	42	1
5–0743	Spring–Counterbalance	76	2	2
5–0743	Spring–Extension	74	22	3
5–1096	Chain–Cutting Unit	76	33	2
5–1226	Washer	68	43	2
21–4191	Asm–Belt, Seat	7	50	1
21–4191	Asm–Seat Belt	82	*	1
21–7670	Case–Differential	27	33	1
21–7690	Gear–Pinion	26	6	2
21–7700	Shaft–Pinion Mate	27	31	1
21–7710	Pin–Roll	27	30	1
21–7720	Washer–Thrust	26	4	2
21–7730	Washer–Thrust	26	7	2
21–7770	Screw–Drive Gear	27	32	5
21–8020	Spacer–Front Pinion	27	25	1
21–8090	Diff. Adjust. Shim .003	27	38	A/R
21–8100	Diff. Adjust. Shim .005	27	37	A/R
21–8110	Diff. Adjust. Shim .010	27	36	A/R
21–8120	Diff. Adjust. Shim .030	27	35	A/R
21–8180	Bearing	28	3	2
21–8270	Pin–Dowel	26	3	2
21–8360	Clip–Retaining	28	10	2
21–8390	Cup–Bearing	27	24	1
21–9260	Seal–Shaft	4	27	1
21–9370	Screw–Adjusting	28	7	2
21–9380	Nut–Pivot	28	8	2
21–9390	Socket–Adjusting Screw	28	6	2
21–9420	Spring–Shoe Return, LH	28	17	2
21–9430	Spring–Shoe Return, RH	28	18	2
21–9440	Spring–Adjusting Screw	28	14	2
21–9450	Shield–Dust	28	4	2
21–9460	Retainer–Brake, Parking	28	15	4
23–2270	Bushing–Rubber	30	26	1
23–7270	Nut–Lug	24	2	10
24–0760	Exchanger–Heat	33	45	1
24–8790	Gear–Bevel, Differential	26	5	2
24–8840	Ring–Bearing, Wheel	28	22	2
24–9180	Lever, Brake, Parking	28	19	2
25–8640	Screw–HH	7	25	2
27–2360	Asm–Ignition Switch	11	19	1
27–3710	Dipstick–Axle	25	48	1
27–6852	Shaft–Axle, Flanged RH	28	*	1
27–6862	Shaft–Axle, Flanged LH	28	1	1
28–0670	Seal–Oil	28	13	2
28–0680	Drum–Brake	28	11	2
28–1280	Boot–Cable	65	44	1
29–6162	Switch–Neutral	30	6	1
38–3400	Guard–Rubber	18	8	2
42–6080	Shim–Axle	24	43	A/R
42–9560	Stud	35	28	4
42–9600	Washer–Lock	71	9	28
42–9600	Washer–Lock	35	17	2
42–9600	Washer–Lock	36	32	14
42–9600	Washer–Lock	69	42	24
42–9850	Washer–Lock	35	12	9
42–9850	Washer–Lock	36	23	2
42–9850	Washer–Lock	73	28	1
42–9850	Washer–Lock	71	29	28
42–9850	Washer–Lock	69	34	8
43–0090	Screw–HH	35	16	2
43–0090	Screw–HH	36	31	14
43–5930	Washer–Lock	71	14	12
43–5930	Washer–Lock	36	21	1
43–6710	Diff. Adjust. Shim .003	26	15	A/R
43–6711	Diff. Adjust. Shim .005	26	16	A/R
43–6712	Diff. Adjust. Shim .010	26	17	A/R
43–6713	Diff. Adjust. Shim .030	26	18	A/R
43–6750	Cup–Bearing, Tapered	26	10	1
43–6760	Cone–Bearing, tapered	26	9	1
43–6810	Spider–Torque	28	5	2
44–2210	Asm–Lights, Warning	4	32	1
46–6550	Connector–Fuel, Elbow 90˚	22	19	1
46–6560	Grommet	22	20	2
46–8091	Screw–HH	1	7	4
47–0110	Spacer–Spindle	36	6	1
48–7430	Pre–Cleaner	65	4	1
48–7710	Screw–HH	71	39	4
48–7780	Screw–HH	68	48	8
48–7890	Nut–Hex.	36	22	1
48–8030	Washer–Flat	73	29	1
48–9220	Washer–Flat	68	47	8
48–9460	Bolt–HH	69	35	4
48–9460	Screw–HH	73	27	1
48–9460	Screw–HH	71	28	20
48–9470	Bolt	70	43	24
48–9470	Screw–HH	71	10	4
48–9480	Screw–HH	68	30	4
49–6440	Plate–Traction Pedal	6	11	1
54–9090	Yoke–End	73	7	1
54–9180	Kit–Universal Joint	73	8	2
56–2460	Washer–Flat	68	14	2
57–6390	Nut–Lock	36	24	1
61–2790	Screen–Filler	14	3	1
62–5550	Decal–TORO	1	1	1
62–5550	Decal–Toro	65	7	1
62–7400	Decal–TORO	1	16	1
62–7650	Gasket–Sending Unit	22	6	1
63–6890	Hinge–Hood RH	1	*	1
63–6900	Hinge–Hood LH	1	17	1
63–7590	Relay–Starter	33	42	1
63–7610	Hose–Fuel	22	5	1
63–7640	Unit–Sending	22	7	1
63–7732	Cable–Brake RH	6	*	1
63–7733	Cable–Brake LH	6	29	1
63–7880	Pin–Brake Latch	6	28	1
63–7900	Rack–Parking Brake	4	20	1
63–8140	Pulley–Idler	36	46	1
63–8360	Key–Ignition	11	9	1
63–8410	Washer–Flat	22	24	3
63–8410	Washer–Flat	14	37	3
63–9920	Decal–EEC 105	7	46	1
65–5100	Handle	1	5	2
66–2330	Base–Battery	65	18	1
66–2920	Washer–Friction	7	32	2
66–2920	Washer–Nylon	12	50	3
66–2920	Washer–Nylon	2	50	4
66–3180	Tube–Vent	33	26	1
66–3240	Cap–Radiator	33	13	1
66–4190	Spring	7	37	1
66–6480	Washer–Flat	24	44	4
66–8121	Standpipe–Elbow 90˚	22	18	1
66–8520	Bumper–Down–stop	8	17	2
66–8530	Adjuster	8	16	1
66–8560	Nut–Push	8	11	4
66–8610	Weldment–Lower	8	10	1
66–8800	Relay–Glow Plug	34	56	1
66–9290	Spacer	8	15	6
66–9770	Seal	5	28	1
66–9780	Bushing	5	29	1
66–9860	Upper Cover & Jacket	5	37	1
66–9870	Plate–Retaining	5	38	1
66–9880	Washer–Retaining Plate	5	39	1
66–9890	Ring–Retaining	5	40	1
66–9900	Shaft–Input	5	41	1
66–9970	Kit–Spring	5	*	1
66–9980	Kit–Seal	5	*	1
66–9990	Kit–Needle Roller	5	*	1
67–1630	Spacer–Fan	36	11	1
67–1750	Bushing–Sleeve	74	9	12

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
67–1750	Bushing–Sleeve	68	13	2
67–1750	Bushing–Sleeve	76	27	8
67–7160	Block–Fuse	11	21	2
67–9410	Washer–Thrust	68	27	2
68–5140	Cap–Steering Wheel	4	7	1
68–5370	Decal–TORO	4	5	1
68–6150	Breather–Hydraulic Tank	14	2	1
68–6823	Asm–Axle	68	42	1
69–8930	Washer–Flat	20	13	8
69–8960	Spacer	20	29	4
70–2780	Piston	78	4	1
70–2780	Piston	79	4	1
70–2780	Piston	81	4	1
70–8570	Breaker–Circuit, 40 Amp	12	*	2
71–3381	Hose–Fuel	65	37	1
71–4330	Seal	27	41	1
71–4350	Nut	26	20	1
71–4450	Bolt–Wheel	68	39	10
71–4570	Housing–Clutch	73	23	1
71–4580	Clutch–Roller	73	22	2
71–4590	Washer–Thrust	73	14	2
71–4740	Asm–Tie Rod End	68	33	2
71–4760	Seal–Tie Rod End	68	32	2
72–3420	Shaft–Slip Yoke	73	9	1
72–3440	Yoke–Shaft	73	12	1
72–3560	Decal–4WD	2	54	2
72–3570	Shim .094–Diff. Adjust.	26	22	A/R
72–3571	Shim .096–Diff. Adjust.	26	*	A/R
72–3572	Shim .098–Diff. Adjust.	26	*	A/R
72–3573	Shim .100–Diff. Adjust.	26	22	A/R
72–3574	Shim .102–Diff. Adjust.	26	*	A/R
72–3575	Shim .104–Diff. Adjust.	26	*	A/R
72–3576	Shim .106–Diff. Adjust.	26	*	A/R
72–3577	Shim .108–Diff. Adjust.	26	*	A/R
72–3578	Shim .110–Diff. Adjust.	26	*	A/R
72–3580	Shim .112–Diff. Adjust.	26	*	A/R
72–3581	Shim .114–Diff. Adjust.	26	*	A/R
72–3582	Shim .116–Diff. Adjust.	26	*	A/R
72–3583	Shim .118–Diff. Adjust.	26	*	A/R
72–3584	Shim .120–Diff. Adjust.	26	*	A/R
72–3585	Shim .125–Diff. Adjust.	26	*	A/R
72–3586	Shim .127–Diff. Adjust.	26	*	A/R
72–3587	Shim .129–Diff. Adjust.	26	*	A/R
72–3588	Shim .131–Diff. Adjust.	26	*	A/R
72–3590	Shim .133–Diff. Adjust.	26	*	A/R
72–3591	Shim .135–Diff. Adjust.	26	*	A/R
72–3592	Shim .137–Diff. Adjust.	26	*	A/R
72–3593	Shim .139–Diff. Adjust.	26	*	A/R
72–3594	Shim .141–Diff. Adjust.	26	*	A/R
72–3595	Shim .143–Diff. Adjust.	26	*	A/R
72–3596	Shim .145–Diff. Adjust.	26	*	A/R
72–3597	Shim .147–Diff. Adjust.	26	*	A/R
72–3598	Shim .149–Diff. Adjust.	26	*	A/R
72–3600	Shim .151–Diff. Adjust.	27	22	A/R
72–4870	Case–Differential	69	24	1
72–4880	Cover	69	2	1
72–4890	O–Ring	69	3	1
72–4900	Case–Differential	69	8	1
72–4910	Flange–Case, Diff.	69	12	1
72–4930	Gear–Side, Differential	69	9	1
72–4940	Gear–Side, Differential	69	40	1
72–4950	Gear–Pinion, Differential	69	10	2
72–4960	Shim .1 mm	69	5	1
72–4970	Shim .15 mm	69	*	1
72–4980	Shim .5 mm	69	*	1
72–4990	Shim .8 mm	69	*	1
72–5000	Shim 1.0 mm	69	*	1
72–5010	Shim 1.2 mm	69	*	1
72–5020	Shaft–Pinion	70	47	1
72–5030	Pin–Dowel	70	45	2
72–5040	Washer–Gear, Diff.	69	11	1
72–5090	Gear–Bevel	71	18	2
72–5090	Gear–Bevel	69	21	2
72–5100	Spacer	69	20	2
72–5130	Vent	69	23	1
72–5140	O–Ring	69	25	1
72–5150	Plug	69	26	1
72–5160	Shim .1mm	69	29	1
72–5170	Shim .15 mm	69	*	1
72–5180	Shim .5 mm	69	*	1
72–5190	Shim .8 mm	69	*	1
72–5200	Shim 1.0 mm	69	*	1
72–5210	Shim 1.2 mm	69	*	1
72–5360	Ring–Retaining	69	19	2
72–5370	Ring–Retaining	69	22	2
72–5440	Pin–Spring	70	46	1
72–5460	O–Ring	69	32	1
72–5540	Case–Knuckle	71	30	2
72–5550	Cover	71	26	2
72–5560	Pin–King, Knuckle	71	20	2
72–5570	Shaft–Axle, Outer	71	35	2
72–5580	Gear–Bevel	71	5	4
72–5590	Retainer–Bearing	71	15	2
72–5630	Gasket	71	16	2
72–5650	Hub–Wheel	71	34	2
72–5660	Washer–Shaft, Wheel	71	33	2
72–5680	Spacer	71	19	2
72–5720	Ring–Retaining	71	4	2
72–5730	Seal–Oil	71	24	4
72–5740	Seal–Oil	71	2	2
72–5770	Nut–Castle	71	32	2
72–5780	Key	71	36	2
72–5790	Screw–HH	71	13	12
72–5800	Bolt	69	1	8
72–5810	Bolt	69	7	8
72–5820	Plug	69	28	1
72–5840	Gasket	69	27	1
72–9420	Asm–Vent Tube	27	39	1
74–0720	Tube–Manual	7	11	1
74–3810	Asm–Load Plate	21	9	1
74–5520	Clutch–Fan	36	1	1
74–5950	Asm–Swell Latch	11	5	1
74–5950	Asm–Swell Latch	2	44	3
74–9100	Pad–Forward	6	12	1
74–9110	Pad–Reverse	6	14	1
75–0012	Asm–Transmission	24	34	1
75–0020	Housing	29	5	1
75–0030	Gasket–Housing	29	46	1
75–0040	Center Section	29	18	1
75–0060	Plug	29	20	4
75–0070	Plug	29	41	1
75–0090	Screw–HH	29	9	8
75–0110	Screw–HH	29	35	2
75–0120	Screw–HH	29	28	1
75–0130	Screw–HH	29	24	3
75–0140	Spring–Conical	29	26	1
75–0150	Guide–Seal	29	2	1
75–0160	Plug–Pipe	29	47	1
75–0170	Plug–Straight Thread	29	19	4
75–0180	Screw–HH	29	36	2
75–0190	Plug–Special	29	27	2
75–0200	Plug–Straight Thread	29	38	2
75–0210	O–Ring	29	6	2
75–0220	Pin	29	48	2
75–0230	Seal–Lip	29	8	1
75–0240	O–Ring	29	21	6
75–0250	Pin–Slotted	29	54	1
75–0260	Valve–Relief	29	23	4
75–0270	Spring	29	39	1
75–0280	Spring	29	42	1
75–0290	Spring	29	22	2
75–0310	Shim	29	40	1
75–0320	Nipple	29	37	1
75–0330	Seal–Lip	29	34	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
75–0340	Bearing–Needle	29	33	1
75–0350	Pin	29	31	1
75–0360	Gerotor	29	30	1
75–0370	O–Ring	29	29	1
75–0380	Plate–Valve	29	15	1
75–0390	Plate–Swash	29	12	1
75–0400	Plate–Thrust	29	13	2
75–0410	O–Ring	29	3	1
75–0430	Ring–Retaining	29	1	1
75–0440	Shaft–Motor	29	45	1
75–0450	Collar	29	50	1
75–0460	Bearing–Ball	29	51	2
75–0470	Kit–Cylinder Block	29	14	2
75–0480	Pin	29	10	2
75–0500	Bearing–Needle	29	16	2
75–0510	Pin	29	17	1
75–0520	Bearing–Ball	29	4	1
75–0550	Strainer–Suction	14	29	1
75–0560	Asm–Steering Wheel	4	4	1
75–0570	Cable–Hood	1	21	1
75–0600	Asm–Steering Valve	4	26	1
75–0610	Tread–Foot RH	2	*	1
75–0620	Tread–Foot LH	2	39	1
75–0630	Tread–Foot Center	2	37	1
75–0640	Tread–Footrest RH	2	*	1
75–0650	Tread–Footrest LH	2	35	1
75–0721	Housing–Lower	27	34	1
75–0920	Cartridge–Relief 3000 psi	17	13	1
75–0930	Hook–Oil Cooler	33	6	4
75–1040	Cooler–Oil	34	52	1
75–1100	Support–Axle	68	5	1
75–1180	Manifold	19	7	2
75–1180	Manifold–Hydraulic	18	23	1
75–1210	Nut–Lock	72	2	1
75–1220	Piston	72	3	1
75–1250	Seal Kit	72	6	1
75–1260	Head–Internal	72	4	1
75–1300	Asm–Hydraulic Filter Head	14	31	1
75–1310	Element–Hydraulic Filter	14	34	1
75–1330	Filter–Oil	24	31	1
75–1340	Valve–Power Steering	5	*	1
75–1390	Panel–Access	2	38	1
75–1410	Panel–Floor	2	36	1
75–1420	Cover–Steering Tower	1	2	1
75–1430	Asm–Brake Pedal RH	6	35	1
75–1440	Pedal–Brake LH	6	33	1
75–1470	Shaft–Brake Pedal	6	36	1
75–1490	Rod–Parking Brake	4	13	1
75–2010	Cartridge–Relief 2000 psi	17	14	1
75–2120	Shaft and Tube	81	12	1
75–2170	Tube–Pump Control	6	37	1
75–2810	Clamp–Steering Valve	4	3	1
75–2851	Hose–Expansion Tank	33	16	1
75–2970	Pedal–Traction	6	13	1
75–3000	Asm–Seat Suspension	7	39	1
75–3010	Joint–Arm	76	41	2
75–3010	Joint–Arm	75	54	3
75–3110	Collar–Transmission	24	14	1
75–3270	Lever–Traction Pivot	6	8	1
75–3390	Bracket–Backlap	34	55	1
75–3400	Shaft–Seat Pivot	7	15	1
75–3430	Rod–Throttle	7	33	1
75–3480	Weldment–Upper	8	23	1
75–3510	Bolt–Shoulder	8	26	2
75–3530	Spring–Compression	8	3	1
75–3540	Pin–Roll	8	6	1
75–3550	Bumper–Seat	8	7	2
75–3580	Plate–Mounting, Seat	8	2	1
75–3680	Rod–Seat	7	20	1
75–3780	Fan	36	2	1
75–3790	Shaft and Tube	78	12	1
75–3790	Shaft and Tube	79	12	1
75–3810	Bracket–Roller	76	15	2
75–3860	Fender–LH	1	29	1
75–4080	Plate–Traction	30	15	1
75–4100	Control–Pump	30	25	1
75–4130	Plate–Switch	30	7	1
75–4180	Pin–Rear Axle	68	44	1
75–4360	Bracket–Switch	7	8	1
75–4370	Bracket–Switch (Seat)	7	3	1
75–4400	Adaptor–Transmission	31	8	1
75–4450	Hub–Fan Drive	36	9	1
75–4520	Spring–Torsion RH	76	37	1
75–4530	Spring–Torsion LH	76	*	1
75–4550	Shaft–Center Arm Pivot	74	27	1
75–4590	Rod–Pivot	76	34	2
75–4700	Hose–Fuel	22	12	1
75–4701	Hose–Fuel Vent	33	28	1
75–4720	Fitting–Hydraulic 90°	24	26	1
75–5200	Bracket–Spring RH	74	*	1
75–5210	Bracket–Spring Center	74	16	1
75–5220	Bracket–Spring LH	74	*	1
75–5310	Spacer–Bearing	36	8	1
75–5350	Pin–Cylinder Rod End	76	23	2
75–5350	Pin–Cylinder Rod End	74	31	3
75–5360	Pin–Cylinder Cap End	77	49	2
75–5390	Roller	76	20	2
75–5400	Shaft–Roller	76	19	2
75–5410	Bracket–Arm	75	53	2
75–5470	Spacer	30	12	2
75–5720	Hose–Hydraulic	14	19	1
75–5740	Box–Control	11	24	1
75–5780	Hinge–Cover	2	51	1
75–5780	Hinge–Cover	12	59	1
75–5810	Tool Box	1	26	1
75–5890	Hose–Hydraulic	18	10	1
75–5890	Hose–Hydraulic	74	28	2
75–5890	Hose–Hydraulic	16	35	1
75–5900	Hose–Hydraulic	16	30	1
75–5900	Hose–Hydraulic	75	47	1
75–5910	Hose–Hydraulic	18	11	1
75–5910	Hose–Hydraulic	75	60	1
75–5940	Hose–Hydraulic	18	9	1
75–5940	Hose–Hydraulic AUX	4	23	1
75–6070	Hose–Hydraulic	19	15	1
75–6070	Hose–Hydraulic (Cap)	76	11	1
75–6080	Hose–Hydraulic	19	14	1
75–6080	Hose–Hydraulic LH (Rod)	76	*	1
75–6130	Hose–Hydraulic	14	9	1
75–6180	Hose–Hydraulic	19	1	2
75–6180	Hose–Hydraulic RH (Rod)	76	21	2
75–6220	Hose–Hydraulic	68	23	1
75–6230	Hose–Hydraulic	68	24	1
75–6230	Hose–Hydraulic RT	4	18	2
75–6240	Hose–Hydraulic	31	14	1
75–6240	Hose–Hydraulic IN	4	19	1
75–6250	Hose–Hydraulic	14	17	1
75–6250	Hose–Hydraulic OUT	4	25	1
75–6260	Cover–Tool Box	2	47	1
75–6270	Cover–Control Box	11	15	1
75–6340	Strainer–In–Line	24	41	1
75–6350	Hose	24	28	1
75–6370	Cover–Sensor	75	49	1
75–6380	Shaft–Fan	36	3	1
75–6490	Lever–Pedal Stop	6	20	1
75–6510	Lever–Bracket	6	16	1
75–6550	Disc–Friction	6	17	1
75–6580	Cable–Pedal	6	7	1
75–6640	Fitting–Hydraulic 90°	16	20	2
75–6680	Bar–Weight	65	8	1
75–6720	Plate–Locating	17	29	2
75–6730	Plate–Detent	17	27	2
75–6770	Nut–Jam	17	25	4
75–6820	Meter–Hour	11	47	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
75–6840	Knob–Knurled	2	42	4
75–6850	Tube–Oil Fill	24	47	1
75–6870	Hose–Hydraulic Suction	14	28	1
75–6870	Hose–Suction	31	1	1
75–6880	Screen–Spark Arrester	35	*	1
75–6930	Valve–SCR	29	52	1
76–1910	Shaft–Pivot	8	12	2
76–1920	Bushing–Sleeve	8	9	4
76–1930	Knob–Tension Adjustment	8	19	1
76–1940	Spring–Extension	8	14	2
76–2460	Asm–Bearing	73	5	1
76–2940	Bumper–Rubber	8	8	2
76–4690	Asm–Axle Coupling	73	15	1
76–8640	Stud–Traction	30	23	1
76–8730	Decal–Bolt Torque	24	1	2
76–9430	Spring–Extension	30	8	1
77–2870	Weldment–Hanger	8	18	1
80–4860	Pin–Clevis	8	1	1
82–6490	Hose–Hydraulic	75	65	1
82–6910	Screw–HH	68	26	4
82–8170	Clamp	20	35	4
82–8170	Clamp	77	57	2
82–8170	Clamp–Hose	74	8	8
82–8170	Clamp–Rubber	18	20	4
82–8520	Detent ASM Kit	17	*	2
82–9060	Adjuster W/Handle	8	13	1
83–1030	Mount–Engine	36	37	4
83–1050	Washer–Mount, Engine	36	36	4
83–4780	Housing–Charge Pump	29	32	1
83–4900	Shaft–Traction	73	31	1
83–4910	Coupler–Pinion	27	40	1
83–4930	Arm–Steering LH	68	31	1
83–4950	Arm–Steering RH	68	46	1
83–4970	Bracket–Bearing	73	3	1
83–5010	Asm–Tie Rod	68	*	1
83–5020	Asm–Tube & Clamp	68	12	1
83–5030	Asm–Hydraulic Cylinder	68	28	1
83–5040	Washer	68	15	1
83–5100	Support–Cylinder	68	17	1
83–5110	Stop–Axle	68	6	2
83–5130	Spacer–Pinion	26	21	1
83–5150	Pin–Cylinder	68	18	1
83–5160	Shim	68	29	2
83–5170	Stop–Reel LH	77	*	1
83–5180	Shim–Axle	68	35	2
83–5190	Asm–Drive Shaft	73	*	1
83–5260	Tube–Slip Yoke	73	11	1
83–5270	Tube–Axle, RH	69	16	1
83–5280	Axle–RH	69	17	1
83–5290	Tube–Axle, LH	70	44	1
83–5310	Axle–LH	69	41	1
83–5330	Washer–Bearing	69	38	1
83–5340	Nut–Bearing	69	37	1
83–5350	Case–Bearing	69	33	1
83–5360	Seal–Oil	69	36	1
83–5370	Asm–Ring & Pinion	70	*	1
83–5380	Asm–Piston Rod	72	5	1
83–6780	Pin–Cylinder (Long)	75	61	2
83–6790	Pin–Cylinder (Short)	74	43	1
83–7410	Roll–Bar	82	1	1
83–7430	Decal–Danger	82	3	1
83–7460	Spacer–Wheel	68	41	2
83–7470	Shim	73	2	2
84–1710	Piston	80	4	1
84–1740	Shaft and Tube	80	12	1
84–1760	Seal Repair Kit	80	*	1
84–3260	Decal–Backlap (Japan)	34	53	1
84–4300	Decal–Danger (Japan)	82	3	1
84–8320	Insert–Hinge	74	10	4
84–8590	Asm–Shoe & Lining	28	16	4
84–8600	Set of Lined Brake Shoes	28	*	1
85–4330	Cover–Gear	24	9	1
85–4340	Plate–Sensor Mounting	24	11	1
85–4350	Sensor–Gear Tooth	24	5	1
85–4420	Gauge–Speedometer	11	2	1
85–4491	Lamp–Diagnostic	12	57	1
85–4650	Connector–Loop Back	12	*	1
85–4750	Display–Diagnostic–ACE	9	2	1
85–9900	Plate–Spring Anchor	30	16	1
85–9910	Eyebolt	30	27	1
85–9980	Decal–R.O.P.S.	82	2	1
86–7220	Gear–Pinion	24	37	1
86–7230	Gear–Spur	26	14	1
86–7330	Seal Repair Kit	78	*	1
86–7330	Seal Repair Kit	79	*	1
86–7330	Seal Repair Kit	81	*	1
86–7520	Asm–Trunnion Cover RH	29	7	1
86–7530	Asm–Trunnion Cover LH	29	49	1
86–7540	Shaft–Pump	29	11	1
86–7550	Connector–Cover (2 Way)	12	*	2
86–7560	Connector–Cover (3 Way)	12	*	3
86–9190	Hose–Hydraulic	16	14	2
87–5100	Washer–Snubbing	36	29	4
88–6960	Cartridge–4W/2P S7, S8, S9	17	19	3
88–7020	Cartridge–N.O. S1, S2	17	3	2
88–9190	Solenoid–20 Watt	17	4	6
88–9200	Solenoid–28 Watt	17	8	3
92–1180	Asm–Seat	7	45	1
92–1773	Screw–HH	26	11	4
92–2379	Clamp	22	35	2
92–2379	Clamp–Hose	33	14	1
92–2379	Clamp–Hose	65	29	1
92–2581	Asm–Switch Arm	30	21	1
92–4808	Sleeve–Trans. Pilot	24	15	1
92–4846	Asm–Trans. Support	24	39	1
92–4999	Fitting–Hydraulic 90˚	34	51	2
92–5524	Decal–Noise Rating, 90	7	47	1
92–5720	Controller–Electronic	11	31	1
92–5751	Decal–Hood Trim LH	1	23	1
92–5752	Decal–Hood Trim RH	1	*	1
92–5797	Gasket–Axle	24	10	1
92–6315	Cartridge–N.C. S6	17	22	1
92–6533	Kit–Cushion, Replacement	7	44	1
92–6534	Shell–Seat	7	43	1
92–8001	Sensor–Reed Switch	7	6	1
92–8002	Sensor–Reed Switch	74	12	1
92–8020	Adapter–Breather	14	26	3
92–8753	Magnet–Reed Switch	7	5	1
92–8754	Actuator–Reed Switch	75	51	1
92–8775	Kit–Gasket, Liquid	28	*	1
92–8795	Asm–Body	21	10	1
92–8796	Pin–Dowel	21	14	2
92–8863	Kit–Repair	21	*	1
92–9096	Asm–Hose	15	46	1
92–9096	Hose–Hydraulic	18	22	1
92–9097	Set Screw	76	43	2
92–9097	Set Screw	75	69	3
92–9098	Manifold–Tank	14	14	1
93–0005	Strip–Foam, Top	33	11	1
93–0021	Asm–Throttle Cable Swivel	7	26	1
93–0025	Shield–Radiator	33	33	1
93–0030	Asm–Cooler Mount RH	33	9	1
93–0032	Housing–Front Screen	33	2	1
93–0069	Pin–Pivot	77	52	2
93–0071	Asm–Cooler Mount LH	33	*	1
93–0075	Hose–Hydraulic	24	30	1
93–0075	Hose–Trans. to Cooler	34	*	1
93–0076	Hose–Hydraulic	24	21	1
93–0076	Hose–Trans. to Cooler	34	46	1
93–0077	Hose–Cooler, RH	34	49	1
93–0077	Hose–Hydraulic	14	30	1
93–0078	Hose–Cooler, LH	34	*	1
93–0078	Hose–Hydraulic	16	21	1
93–0081	Strip–Seal	1	9	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
93–0082	Grommet	34	58	2
93–0083	Plate–Valve	29	44	1
93–0089	Bracket–Mount LH, Cooler	33	*4	1
93–0090	Bracket–Mount RH, Cooler	33	4	1
93–0095	Bracket–Eng. Front	37	59	2
93–0097	Valve–SCR	29	25	1
93–0118	Hose–Hydraulic	19	9	2
93–0118	Hose–Hydraulic	18	12	1
93–0118	Hose–Hydraulic	16	33	1
93–0119	Hose–Hydraulic	18	13	1
93–0119	Hose–Hydraulic	14	21	1
93–0139	Manifold–Hydraulic	18	17	1
93–0140	Grommet	7	10	1
93–0142	Bushing–Straight	76	36	2
93–0143	Cartridge–Relief 250 psi	18	18	1
93–1374	Latch–Swell	33	1	2
93–1375	Motor–Hydraulic	20	21	5
93–1396	Coupler–Trans.	31	7	1
93–2042	Hose–Fuel	22	10	1
93–3102	Cap–Fuel Tank	22	21	1
93–3163	Spring	8	28	2
93–3164	Cap	8	27	2
93–3165	Bracket	8	29	1
93–3604	Gasket	31	6	1
93–3609	Bolt–Special	5	36	4
93–3614	Asm–Cover	21	4	1
93–3615	Asm–Drive Shaft	21	7	1
93–3616	Asm–Idler Gear	21	6	1
93–3617	Asm–Differential	27	*	1
93–3618	Asm–Gear & Pinion	27	*	1
93–3619	Upper Housing	27	26	1
93–3623	Strip–Sealing, Radiator	34	61	2
93–3624	Plate–Retaining	34	62	2
93–3625	Spring–Joystick Return	12	58	1
93–3626	Bracket–Hose	2	41	1
93–3640	Stop–Reel RH	77	56	1
93–3642	Tube–Hydraulic	31	13	1
93–3642	Tube–Hydraulic	16	38	1
93–3643	Tube–Hydraulic	31	12	1
93–3643	Tube–Hydraulic	16	39	1
93–3664	O–Ring	69	14	2
93–3665	O–Ring	69	15	2
93–3666	Gear Box–Axle	71	23	2
93–3667	Case–Knuckle	71	38	2
93–3668	Washer–Thrust	71	21	2
93–3669	Bearing–Needle	71	22	2
93–3670	O–Ring	71	1	4
93–3671	Pin–Dowel	71	7	4
93–3672	Arm–Knuckle	71	8	2
93–4268	Kit–Flange	32	*	1
93–4277	Kit–Valve	32	19	1
93–4278	Pin–Dowel	32	4	4
93–4279	Plate–Distance	32	13	2
93–4280	Coupling	32	9	2
93–4281	Pin–Dowel	32	22	4
93–4282	Block–Valve	32	18	1
93–4283	Bolt	32	17	4
93–6668	Decal–Battery	65	19	1
93–6682	Panel–Tower	4	10	1
93–6684	Decal–Backlap	34	53	1
93–6686	Decal–Hyd. Oil	1	4	1
93–6686	Decal–Oil	18	7	1
93–6687	Decal–No Step	75	62	2
93–6688	Decal–Hands/Feet	75	*	3
93–6688	Decal–Hands/Feet	77	*	2
93–6689	Decal–No Riders	1	32	2
93–6691	Decal–Bolt	24	17	1
93–6692	Decal–Starting Fluid	65	3	1
93–6693	Decal–Floor Plate	18	6	1
93–6696	Decal–Warning	74	33	3
93–6696	Decal–Warning	77	45	2
93–6697	Decal–Lube	68	36	1
93–6698	Decal–Warning	1	24	1
93–6699	Decal–Fast/Slow	6	18	1
93–7276	Decal–Danger	65	20	1
93–7480	Bulb–LED	4	35	1
93–7488	Reservoir–Hydraulic	14	1	1
93–7498	Plug–Plastic	14	6	1
93–7499	Gasket–Flange	14	5	1
93–7557	Asm–Barrel	81	1	1
93–7558	Asm–Barrel	80	1	1
93–7579	Fender–RH	1	3	1
93–7587	Bracket–Fuse Block	11	23	1
93–7588	Cover–Tank	14	8	1
93–7840	Decal–Radiator Cap	33	37	1
93–7960	Spacer	18	19	4
93–7960	Spacer	20	34	4
93–7960	Spacer	74	36	6
93–7960	Spacer	77	58	2
93–7961	Clamp	18	28	2
93–7961	Clamp	77	59	1
93–7961	Clamp–Case Drain	20	33	2
93–7961	Clamp–Rubber	74	34	3
93–7990	Head	78	9	1
93–7990	Head	79	9	1
93–7991	Collar	78	11	1
93–7991	Collar	79	11	1
93–7991	Collar	81	11	1
93–7994	Collar	80	11	1
93–8050	Decal–Danger (Europe)	82	3	1
93–8051	Decal–Warning	2	48	1
93–8052	Decal–Instructions (Europe)	65	40	1
93–8053	Decal–ECU	12	61	1
93–8060	Decal–Danger	7	17	1
93–8073	Decal–R.O.P.S. (Europe)	82	2	1
93–8742	Pad–Brake	6	26	2
93–8744	Rivet	2	52	3
93–8744	Rivet	12	60	3
93–9151	Fitting–Hydraulic	20	30	4
93–9164	Indicator–Service	65	24	1
93–9310	Asm–Hydraulic Cylinder	75	46	1
93–9311	Asm–Hydraulic Cylinder	77	48	2
93–9312	Asm–Barrel	79	1	1
93–9313	Asm–Barrel	78	1	1
94–1414	Valve–Vacuator	66	4	1
94–1416	Asm–Adapter, Indicator	65	27	1
94–2685	Cartridge–N.C. S3, S4, S5	17	7	3
94–3510	Asm–Fuel Tank	22	22	1
94–4514	Bracket–Engine RH Rear	36	26	1
94–4916	Asm–Hose Drain	15	48	1
94–4916	Asm–Hose, Drain, Return	20	26	1
94–4917	Asm–Tube, Drain #2, 3	20	24	1
94–4918	Asm–Tube, Pressure #2, 3	20	23	1
94–4919	Bracket–Clamp, Hose	77	51	1
94–4920	Plate–Mounting Valve	19	16	1
94–5020	Knob	17	24	2
94–5027	Spring–Detent	17	31	2
94–5386	Decal–Turf Defender, Diag.	9	1	1
94–5438	Seal–Solenoid	17	23	10
94–5594	Asm–Lift Arm Rear LH	77	61	1
94–5596	Asm–Lift Arm Rear RH	76	28	1
94–5598	Asm–Lift Arm RH	74	1	1
94–5800	Asm–Lift Arm LH	74	32	1
94–5802	Asm–Lift Arm, Center	74	40	1
94–5808	Asm–Carrier Frame	74	44	1
94–6031	Fitting–Hydraulic	20	25	1
94–6343	Decal–Wire I.D.	12	*70	1
94–6767	Decal–Fuses	11	27	1
94–6933	Asm–Front Axle	24	46	1
94–6934	Screw–HSH	28	21	8
94–6935	Nut–Lock	28	12	8
94–6936	Washer–Flat	28	23	8
94–7343	Clamp–Battery	65	17	1
94–8060	Decal–Turf Defender, Diag.	9	1	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
94–8061	Decal–Turf Defender, Diag.	9	1	1
94–8062	Decal–Turf Defender, Diag.	9	1	1
94–8063	Decal–Turf Defender, Diag.	9	1	1
94–8064	Decal–Turf Defender, Diag.	9	1	1
94–8065	Decal–Turf Defender, Diag.	9	1	1
94–8066	Decal–Turf Defender, Diag.	9	1	1
94–8067	Decal–Turf Defender, Diag.	9	1	1
94–8068	Decal–Turf Defender, Diag.	9	1	1
94–8069	Decal–Turf Defender, Diag.	9	1	1
94–8070	Decal–Turf Defender, Diag.	9	1	1
94–8103	Screw–HH	11	39	4
94–8104	Switch–Micro	11	38	2
94–9157	Fuse–4A	11	20	1
94–9411	Dipstick	14	4	1
95–1821	Spring–Compression	4	12	1
95–4275	Hose–Fuel	65	38	1
95–4276	Hose–Fuel	22	17	1
95–5642	Kit–Seal	17	*	3
95–5645	Kit–Seal	17	*	10
98–2195	Asm–Lift Control	11	37	1
98–2350	Asm–Seat Plate	7	16	1
98–2352	Frame–Seat	7	28	1
98–2353	Bracket–Seat Latch	7	36	2
98–2354	Latch–Seat	7	35	1
98–4507	Radiator	33	12	1
98–4510	Hose–Air Cleaner	65	33	1
98–4510	Hose–Air Cleaner	37	65	1
98–4511	Hose–Radiator Upper	33	18	1
98–4512	Hose–Radiator Lower	33	24	1
98–4513	Bracket–Eng. Left Rear	37	58	2
98–4515	Bracket–Engine LH Rear	36	25	1
98–4517	Asm–Air Cleaner	65	2	1
98–4518	Bracket–Air Cleaner	65	25	1
98–4521	Decal–Reelmasterr 5200D	1	10	2
98–4525	Bracket–Mount, Air Cleaner	65	10	1
98–4527	Pipe–Engine Exhaust	35	10	1
98–4530	Support–Fan, Engine	36	41	1
98–4536	Bracket–Spring Rear LH	76	*	1
98–4539	Bracket–Engine LH Front	36	39	1
98–4543	Bracket–Engine Mount RH	36	40	1
98–4547	Plate–Mount, Fan	37	54	1
98–4548	Bracket–Spring Rear RH	76	8	1
98–4549	Asm–Frame	2	43	1
98–4555	Bracket–Muffler	35	2	1
98–4561	Shield–Alternator	37	63	1
98–4564	Guard–Flywheel	35	14	1
98–4571	Shroud–Fan	33	19	1
98–4572	Bracket–Hose	1	22	1
98–4573	Screen–Hood	1	12	1
98–4575	Bracket–Fan Idler	36	42	1
98–4576	Bracket–Reservoir, Water	65	22	1
98–4578	Bracket–Fuel Filter	65	5	1
98–4579	Asm–Control Manifold	16	6	1
98–4581	Asm–Hose, Pressure #2	20	8	1
98–4582	Asm–Hose, Pressure #2	20	15	1
98–4583	Asm–Hose, Drain #2, 3	20	9	2
98–4584	Asm–Hose, Drain	18	1	1
98–4584	Asm–Hose, Drain #5	20	5	1
98–4585	Asm–Hose, Pressure #1, 5	20	1	1
98–4586	Asm–Hose, Pressure #5	16	4	1
98–4586	Asm–Hose, Pressure #5	20	6	1
98–4587	Asm–Hose Drain #4	18	24	1
98–4587	Asm–Hose, Drain #4	20	16	1
98–4588	Asm–Hose, Pressure #1, 4	20	14	1
98–4589	Asm–Hose, Pressure #4	20	17	1
98–4589	Asm–Hose, Pressure #4	16	37	1
98–4590	Asm–Hose Drain #1	18	25	1
98–4590	Asm–Hose, Drain #1	20	20	1
98–4591	Clamp–Hose LH	33	35	1
98–4592	Clamp–Hose RH	33	*	1
98–4593	Asm–Drive Shaft	35	*	1
98–4594	Clamp–Retainer	37	66	1
98–4598	Cable–Battery (Ground)	36	17	1
98–4599	Asm–Battery Cable (+)	65	13	1
98–7353	Head	81	9	1
98–7354	Head	80	9	1
98–7428	Gasket	38	2	1
98–7430	O–Ring	42	1	2
98–7449	Screw–Set	45	6	1
98–7473	Ball	46	11	3
98–7487	Plug	38	18	2
98–7496	Bolt	41	24	3
98–7507	Plug	38	3	1
98–7509	O–Ring	38	10	1
98–7509	O–Ring	40	12	1
98–7523	Plug–Drain	39	8	1
98–7524	Gasket	39	9	1
98–7527	O–Ring	39	3	1
98–7534	Nut	49	14	1
98–7539	Cap–Sealing	38	12	1
98–7540	Plug	40	11	2
98–7540	Plug	38	15	3
98–7547	O–Ring	41	11	2
98–7562	Washer–Flat	41	17	1
98–7568	Bolt	44	5	9
98–7572	Nut	41	1	1
98–7572	Nut	50	3	2
98–7572	Nut	54	7	2
98–7585	Bolt	43	1	1
98–7601	Seal–Oil	54	16	1
98–7602	Pin–Spring	54	4	2
98–7605	Bolt	64	3	3
98–7605	Bolt	48	23	3
98–7645	Bolt	49	11	1
98–7654	Gasket	49	5	2
98–7654	Gasket	55	14	1
98–7654	Gasket	54	19	1
98–7671	Clip–Pipe	55	7	2
98–7676	Gasket	55	12	3
98–7677	Seat–Heat	55	13	3
98–7682	Clamp–Pipe	55	16	2
98–7683	Clamp–Pipe	55	2	2
98–7684	Screw w/washer	55	1	2
98–7692	Bolt	57	3	1
98–7692	Bolt	45	8	3
98–7692	Bolt	61	14	3
98–7692	Bolt	54	15	1
98–7692	Bolt	41	27	2
98–7697	Bolt	57	1	1
98–7697	Bolt	59	1	2
98–7698	Washer–Flat	57	2	1
98–7708	Nut	58	1	1
98–7709	Collar	58	3	1
98–7710	Rotor	58	7	1
98–7711	Cover–Bearing	58	9	1
98–7712	Bearing–Ball	58	8	1
98–7713	Washer–Thrust	58	10	1
98–7715	Plate–Retainer	58	11	1
98–7716	Screw–RH	58	6	4
98–7717	Bolt–Through	58	5	2
98–7718	Bearing–Ball	58	12	1
98–7719	Frame–End	58	13	1
98–7720	Cover–End	58	23	1
98–7721	Asm–Rectifier	58	16	1
98–7722	Bushing–Insulation	58	17	1
98–7723	Holder–Brush	58	24	1
98–7724	Brush	58	26	2
98–7725	Spring–Brush	58	25	2
98–7726	Screw–RH	58	20	2
98–7727	Screw–RH	58	27	6
98–7728	Screw–RH	58	21	1
98–7729	Bolt	58	22	3
98–7730	Nut	58	14	2
98–7731	Bolt	58	15	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
98–7732	Nut	58	18	1
98–7733	Asm–Regulator	58	19	1
98–7737	Nut	57	23	1
98–7741	Asm–Yoke	60	5	1
98–7742	Asm–Armature	60	3	1
98–7743	Bearing–Ball	60	2	1
98–7744	Bearing–Ball	60	4	1
98–7749	Asm–Holder, Brush	60	7	1
98–7750	Spring–Brush	60	6	4
98–7751	Gear	60	22	1
98–7752	Retainer	60	20	1
98–7753	Roller	60	21	5
98–7754	Spring	60	15	1
98–7755	Ball	60	16	1
98–7756	Bolt	60	18	2
98–7757	O–Ring	60	24	2
98–7758	Asm–Bolt	60	10	2
98–7759	Pipe–Drain	60	26	1
98–7776	Gasket	61	11	1
98–7777	Bolt	61	9	2
98–7778	Asm–Thermostat	61	12	1
98–8068	Asm–Hydraulic Cylinder	75	67	1
98–8069	Asm–Hydraulic Cylinder	74	7	1
98–9302	Plate–Idler Stop	7	49	1
98–9303	Cable–Throttle	7	24	1
98–9305	Filter–Water/Fuel Separator	65	34	1
98–9306	Cluster–Warning	11	7	1
98–9308	Gauge–Temperature	11	8	1
98–9309	Clamp–Muffler	35	9	1
98–9310	Clamp–Muffler	35	5	1
98–9311	Swivel–Cable, Throttle	7	53	1
98–9312	Belt–V	36	44	1
98–9313	Pulley–Fan	36	5	1
98–9314	Plug–Hood	1	27	1
98–9315	Switch–Lock, Hood	3	3	1
98–9316	Bracket–Latch, Hood	3	8	1
98–9317	Support–Radiator	33	7	1
98–9319	Hood	1	8	1
98–9321	Ring–key	3	1	1
98–9322	Screw–HH	36	15	1
98–9322	Screw–HSH	35	26	3
98–9323	Asm–Expansion Tank	65	43	1
98–9335	Plate–Caution	33	21	1
98–9338	Hose–Fuel	22	16	1
98–9339	Gauge–Fuel	11	1	1
98–9340	Decal–Service	1	25	1
98–9342	Decal–Clip (Metric)	7	41	1
98–9343	Asm–Hose, Hydraulic	20	38	1
98–9344	Asm–Hose, Hydraulic	20	22	1
98–9346	Sender–Temp.	35	27	1
98–9346	Switch	61	16	1
98–9347	Asm–Hose, Pressure #3	16	27	1
98–9347	Asm–Hose, Pressure #3	20	10	1
98–9348	Asm–Hose, Pressure #2	16	24	1
98–9348	Asm–Hose, Pressure #2	20	27	1
98–9350	Bolt	48	5	2
98–9350	Bolt	39	6	22
98–9351	Bolt	50	7	2
98–9351	Bolt	45	15	2
98–9351	Bolt	53	15	2
98–9352	Bolt	44	6	8
98–9353	Bolt	64	4	1
98–9353	Bolt	62	8	1
98–9355	Bolt	64	5	2
98–9355	Bolt	41	20	6
98–9356	Bolt	61	15	1
98–9356	Bolt	41	19	2
98–9357	Bolt	62	9	4
98–9358	Bolt	39	1	1
98–9359	Bolt	49	12	1
98–9360	Bolt	57	6	1
98–9361	Bolt	51	4	2
98–9362	Stud	41	4	2
98–9362	Stud	54	10	2
98–9363	Stud	41	3	1
98–9364	Screw w/washer	42	7	2
98–9365	Screw–Set	63	7	2
98–9366	Washer–Flat	57	8	1
98–9367	Washer–Lock	41	2	1
98–9367	Washer–Lock	50	2	2
98–9367	Washer–Lock	51	5	4
98–9367	Washer–Lock	54	8	2
98–9368	Washer–Lock	57	7	1
98–9369	Clip–Circular, External	53	2	1
98–9370	Clip–Circular, External	63	9	2
98–9371	O–Ring	54	6	1
98–9372	O–Ring	41	10	2
98–9373	O–Ring	46	19	1
98–9374	O–Ring	43	4	1
98–9375	Pin–Straight	38	5	2
98–9375	Pin–Straight	46	12	1
98–9376	Pin–Straight	38	6	2
98–9377	Pin–Straight	38	11	2
98–9378	Key–Feather	45	3	1
98–9379	Plug	38	20	3
98–9380	Ball	41	13	1
98–9381	Bearing–Ball	48	12	1
98–9382	Bearing–Ball	48	10	1
98–9383	Bearing–Ball	48	7	1
98–9384	Tube–Fuel	51	2	1
98–9385	Washer–Flat	63	2	3
98–9386	Plug	39	10	1
98–9387	Pin–Pipe	38	21	2
98–9388	Joint–Pipe	41	16	1
98–9389	Cap–Sealing	40	7	2
98–9390	Collet–Valve Spring Set	63	17	6
98–9391	Screw–Set	63	13	1
98–9392	Bolt	47	2	8
98–9393	Nut	63	3	3
98–9394	Gear–Ring	47	5	1
98–9395	Cap–Sealing	40	9	1
98–9398	Cap–Sealing	38	8	4
98–9399	Gasket	39	7	1
98–9413	Metal–Side (Std.)	46	14	2
98–9414	Metal–Side (0.2mm)	46	14	2
98–9415	Metal–Side (0.4mm	46	14	2
98–9416	Switch	38	23	1
98–9420	Asm–Pipe, Overflow	55	6	1
98–9421	Valve–Delivery	52	5	3
98–9422	Asm–Tappet	52	11	3
98–9423	O–Ring	52	2	6
98–9424	Spring–Valve, Delivery	52	6	3
98–9425	Gasket–Valve, Delivery	52	7	3
98–9426	Pin–Guide, Tappet	52	27	3
98–9427	Seat–Spring, Upper	52	15	3
98–9428	Spring–Plunger	52	14	3
98–9429	Seat–Spring, Lower	52	13	3
98–9430	Screw	52	23	1
98–9431	Screw–Air Bleed	55	15	1
98–9432	Sleeve–Control	52	16	3
98–9433	Shim	52	12	3
98–9434	Flange–Sleeve	52	4	3
98–9436	Asm–Cock, Drain	38	17	1
98–9436	Gasket–Fuel Pump	50	1	1
98–9437	Bolt	41	23	1
98–9438	Stud	51	9	2
98–9440	Nut–Cap	51	10	2
98–9442	Screw–Countersunk Hd.	52	26	4
98–9443	Pin–Joint	52	3	3
98–9444	Plug	64	6	1
98–9445	Gasket	52	20	2
98–9446	Gasket	52	22	1
98–9447	O–Ring	52	8	3
98–9449	Plug–Oil Filler	42	2	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
98–9450	Pin–Clamp	52	28	1
98–9451	Gasket	52	19	1
98–9452	Screw	52	10	6
98–9453	Pulley–Dynamo	58	2	1
98–9454	Gasket	42	4	3
98–9455	Nut–Cap	42	3	3
98–9456	Shim–Injection (0.2mm)	51	7	1
98–9457	Shim–Injection (0.25mm)	51	7	1
98–9458	Shim–Injection (0.30mm)	51	8	1
98–9459	Camshaft–Fuel	48	9	1
98–9460	Asm–Cylinder Head	40	3	1
98–9462	Element–Pump	52	1	3
98–9463	Rack–Control	52	24	1
98–9464	Bolt–Joint	52	21	1
98–9465	Plate	52	25	1
98–9466	Plug	52	18	1
98–9467	Asm–Pipe, Fuel	51	*	1
98–9468	Asm–Holder, Nozzle	56	*	3
98–9468	Asm–Holder, Nozzle	55	9	3
98–9469	Piston (Std.)	46	7	3
98–9470	Piston (0.5mm Oversize)	46	7	3
98–9471	Cover–Thermostat	61	10	1
98–9472	Spring–Return	54	14	1
98–9473	Pulley–Fan Drive	57	21	1
98–9474	Asm–Alternator	58	*	1
98–9474	Asm–Alternator	57	19	1
98–9479	Bolt–Cylinder Head	40	4	12
98–9481	Asm–Case, Gear	41	5	1
98–9482	Seal–Oil	41	22	1
98–9483	Seal–Oil	44	7	1
98–9484	Bolt–Bearing Case	44	2	6
98–9485	Bolt–Bearing Case	44	10	2
98–9486	Plate–End, Rear	47	1	1
98–9487	Cover–Bearing Case	44	8	1
98–9488	Plate–Breather Element	42	9	1
98–9489	Plate–Breather Element	42	11	1
98–9490	Oil Shield–Breather	42	8	1
98–9491	Pipe–Breather	42	6	1
98–9492	Joint–Breather Pipe	42	5	1
98–9493	Element–Breather	42	10	1
98–9494	Valve–Inlet	63	21	3
98–9495	Valve–Exhaust	63	20	3
98–9497	Cap–Valve	63	18	6
98–9498	Retainer–Valve Spring	63	16	6
98–9499	Guide–Inlet Valve	40	5	3
98–9500	Guide–Exhaust Valve	40	6	3
98–9501	Asm–Arm, Rocker	63	5	6
98–9502	Screw–Adjusting	63	6	6
98–9503	Nut	63	4	6
98–9504	Spring–Rocker Arm	63	12	2
98–9505	Bracket–Rocker Arm	63	11	3
98–9506	Stud	63	19	3
98–9507	Washer–Shaft, Rocker Arm	63	10	2
98–9508	Washer–Shaft, Rocker Arm	63	1	2
98–9509	Push Rod	45	5	6
98–9510	Stopper–Camshaft	45	2	1
98–9511	Stopper–Fuel, Camshaft	48	6	1
98–9512	Gear–Cam	45	1	1
98–9513	Pin–Piston	46	5	3
98–9514	Clip–Circular, Piston Pin	46	4	6
98–9515	Bushing–Piston Pin	46	3	3
98–9516	Asm–Rod, Connecting	46	*	3
98–9517	Bolt–Connecting Rod	46	1	6
98–9518	Metal–Crankpin (Std.)	46	2	3
98–9519	Metal–Crankpin (0.2mm	46	2	3
98–9520	Metal–Crankpin (0.4mm	46	2	3
98–9521	Collar–Crankshaft	46	20	1
98–9522	Sleeve–Crankshaft	46	13	1
98–9523	Metal–Crankshaft (Std.)	46	18	1
98–9524	Metal–Crankshaft (Std. Set)	46	17	2
98–9525	Metal–Crankshaft (Std.	46	16	1
98–9526	Metal–Crankshaft (0.2mm	46	16	1
98–9527	Metal–Crankshaft (0.4mm	46	16	1
98–9528	Metal–Crankshaft (0.2mm	46	18	1
98–9529	Metal–Crankshaft (0.4mm	46	18	1
98–9530	Metal–Crankshaft	46	17	2
98–9531	Metal–Crankshaft	46	17	2
98–9532	Gear–Crankshaft	46	9	1
98–9533	Shaft–Gear, Idle	45	9	1
98–9534	Clip–Circular, Idle Gear	45	14	1
98–9535	Collar–Gear, Idle	45	10	1
98–9536	Collar–Gear, Idle	45	13	1
98–9537	Bolt–Flywheel	47	3	6
98–9538	Filter–Oil	39	2	1
98–9539	Pin–Pipe	38	9	1
98–9540	Asm–Rotor, Oil Pump	41	9	1
98–9541	Cover–Oil Pump	41	8	1
98–9542	Gear–Oil Pump Drive	46	8	1
98–9543	Seal–Valve	41	14	1
98–9544	Spring	41	12	1
98–9545	Band–Pipe	51	1	2
98–9547	Cam–Fuel	48	2	1
98–9548	Washer	48	3	1
98–9549	Bolt	60	9	2
98–9557	Bolt–Adjusting	49	8	1
98–9559	Asm–Weight, Governor	48	19	2
98–9560	Shaft–Governor Weight	48	17	2
98–9561	Holder–Gear, Governor	48	22	1
98–9562	Holder–Gear, Governor	48	21	1
98–9563	Sleeve–Governor	48	16	1
98–9564	Washer–Thrust	48	15	1
98–9565	Screw–Set	48	13	1
98–9566	Shaft–Lever, Fork	53	12	1
98–9567	Collar	53	1	1
98–9568	Collar	53	8	1
98–9569	Cover–Shaft, Fork Lever	53	14	1
98–9570	Bearing–Miniature	53	3	1
98–9571	Bearing–Miniature	53	9	1
98–9572	Lever–Speed Control	54	5	2
98–9573	Stay–Dynamo	57	4	1
98–9574	Pipe–Water	62	11	1
98–9575	Asm–Pump, Water	62	1	1
98–9576	Asm–Seal	62	5	1
98–9577	Pipe–Return, Water	62	4	1
98–9578	Pipe–Return, Water	61	2	1
98–9579	Band Pipe	61	1	2
98–9580	Pipe–Return, Water	61	4	1
98–9581	Impeller–Water	62	6	1
98–9582	Flange–Pump, Water	62	2	1
98–9583	Bearing	62	3	1
98–9584	Pulley–Fan	57	5	1
98–9585	Bolt	57	22	1
98–9586	Bolt	41	21	1
98–9588	Stud	64	14	6
98–9589	Nut	54	1	2
98–9590	Nut–Cap	48	1	1
98–9592	Screw	41	7	5
98–9593	Washer–Flat	53	10	1
98–9594	Washer–Flat	54	2	2
98–9595	Key–Woodruff	48	8	1
98–9596	Joint–Eye	51	3	1
98–9597	Plug	38	14	3
98–9598	Plug	41	18	2
98–9599	Plug	38	4	1
98–9602	Asm–Coupler, Lock	57	14	1
98–9604	Asm–Crankcase	38	19	1
98–9606	Asm–Case, Main Bearing	44	11	1
98–9607	Asm–Case, Main Bearing	44	9	1
98–9608	Manifold–Inlet	64	2	1
98–9609	Gasket–Manifold, Inlet	64	1	1
98–9610	Gasket–Manifold, Exhaust	64	9	1
98–9612	Asm–Shaft, Rocker Arm	63	8	1
98–9613	Gasket–Cylinder Head	40	10	1
98–9614	Asm–Cover, Cylinder Head	42	13	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
98–9615	Gasket–Head Cover	42	12	1
98–9616	Tappet	45	4	6
98–9617	Asm–Camshaft	45	7	1
98–9618	Asm–Piston Ring (Std.)	46	6	3
98–9619	Asm–Piston Ring (0.5mm	46	6	3
98–9620	Asm–Pipe, Overflow	55	8	1
98–9630	Pin–Start Spring	38	7	1
98–9631	Cord–Glow Plug	55	10	1
98–9632	Gasket–Pump, Water	62	7	1
98–9633	Gasket–Gear Case	41	6	1
98–9634	Gasket–Bearing Case	44	3	1
98–9635	Gasket–Bearing Case Cover	44	4	1
98–9637	Gasket	54	12	1
98–9638	Gasket–Flange, Water	61	13	1
98–9640	Cover–Pump	49	13	1
98–9641	Cover	41	26	1
98–9642	Asm–Crankshaft	46	*	1
98–9643	Asm–Pump, Injection	51	6	1
98–9643	Asm–Pump, Injection	52	17	1
98–9644	Asm–Shaft, Governor	48	14	1
98–9645	Spring–Start	53	5	1
98–9646	Gasket–Oil Pan	39	4	1
98–9647	Bolt–Cylinder Head	40	13	2
98–9648	Spring–Valve	63	15	6
98–9649	Asm–Gear, Idle	45	11	1
98–9650	Bushing–Gear, Idle	45	12	1
98–9652	Holder–Valve, Delivery	52	9	3
98–9653	Pipe–Injection	55	3	1
98–9654	Pipe–Injection	55	4	1
98–9655	Pipe–Injection	55	5	1
98–9656	Bushing–Governor, Gear	38	1	1
98–9657	Clip–Circular, Gov. Shaft	48	11	1
98–9658	Asm–Lever, Governor	54	11	1
98–9659	Lever–Fork	53	11	1
98–9660	Lever–Thrust	53	6	1
98–9661	Asm–Plate, Control	54	9	1
98–9662	Lever–Speed Control	54	3	1
98–9663	Lever–Engine Stop	54	17	1
98–9664	Shaft–Stop Lever	54	13	1
98–9665	Nut	64	13	6
98–9666	Key	46	10	1
98–9667	Plug	38	16	1
98–9668	Plug	38	13	1
98–9669	Gear–Injection Pump	48	4	1
98–9670	Gauge–Oil	43	3	1
98–9671	Guide–Oil Gauge	43	2	1
98–9672	Asm–Guide, Oil Gauge	43	*	1
98–9673	Gear–Governor	48	20	1
98–9674	Packing	49	10	1
98–9675	Plug	38	22	1
98–9676	V–Belt	57	20	1
98–9677	Asm–Pump, Fuel	50	4	1
98–9678	Asm–Apparatus, Idle	49	*	1
98–9679	Asm–Bolt, Adjusting	49	3	1
98–9680	Asm–Lever, Fork	53	*	1
98–9681	Spring–Governor	53	4	1
98–9682	Gasket	53	13	1
98–9683	Gasket–Solenoid Cover	50	5	1
98–9684	Gasket–Gear Case	41	25	1
98–9685	Oil Pan	39	5	1
98–9688	Metal–Side (Std.)	46	15	2
98–9689	Metal–Side (0.2mm	46	15	2
98–9690	Metal–Side (0.4mm	46	15	2
98–9691	Asm–Flywheel	47	4	1
98–9692	Roller	53	7	2
98–9692	Roller	48	18	2
98–9693	Solenoid–Stop	50	6	1
98–9695	Plug–Glow	55	11	3
98–9696	Asm–Coupler	57	18	1
98–9697	Connector	57	17	1
98–9698	Connector	57	16	1
98–9699	Terminal	57	15	7
98–9700	Asm–Terminal	57	9	1
98–9701	Terminal	57	10	1
98–9702	Sleeve	57	11	1
98–9703	Terminal	57	12	1
98–9704	Sleeve	57	13	1
98–9705	Asm–Starter	60	*	1
98–9705	Asm–Starter	59	2	1
98–9711	Cord–Stop, Solenoid	60	13	1
98–9712	Band–Cover	60	11	1
98–9713	Asm–Flange, Water	61	3	1
98–9716	Pipe–Water	62	12	1
98–9717	Clamp	62	10	2
98–9718	Manifold–Exhaust	64	12	1
98–9719	Thermoswitch	61	5	1
98–9740	Bracket–Support, Fan	37	48	1
98–9741	Bracket–Mount, Fan	37	57	1
98–9742	Valve–Flow Control	19	13	1
98–9742	Valve–Flow Control	16	31	1
98–9742	Valve–Flow Control	75	71	1
98–9745	Tube–Exhaust	35	7	1
98–9748	Support–Bracket, Filter	22	30	1
98–9749	Bracket–Mount, Throttle	37	47	1
98–9761	Kit–Hydraulic Hose	20	*	1
98–9763	Asm–Element	66	2	1
98–9764	Element–Spin On	67	2	1
98–9765	Yoke–Shaft	35	18	1
98–9766	Kit–U–Joint	35	21	2
98–9767	Yoke–Slip Tube	35	24	1
98–9768	Yoke–End	35	25	1
98–9769	Yoke–Flange	35	23	1
98–9771	Asm–Cover	66	3	1
98–9772	Head–Filter	67	1	1
98–9773	Plug–Base, Filter	67	5	1
98–9774	O–Ring, Filter Base	67	3	1
98–9775	Base–Filter	67	4	1
98–9776	Plug–Head, Filter	67	8	1
98–9777	Asm–Valve, Drain	67	10	1
98–9779	Rotary Cartridge Kit	17	30	2
98–9781	Fitting–Hydraulic 90°	16	25	1
98–9788	Decal–Instructions	65	40	1
98–9794	Muffler	35	1	1
98–9796	Asm–Pump, Gear	31	18	1
98–9797	Kit–Housing, Section 2	32	*	1
98–9798	Kit–Housing, Section 1	32	*	1
98–9799	Kit–Housing, Section 3	32	*	1
99–6969	Seal–Oil	28	2	2
99–7714	Frame–Drive End	58	4	1
99–8301	Nut	56	1	3
99–8302	Washer–Adjusting	56	4	3
99–8303	Spring–Nozzle	56	5	3
99–8304	Piece–Distance	56	7	3
99–8305	Push Rod	56	6	3
99–8306	Nut–Nozzle	56	9	3
99–8307	Washer	56	2	3
99–8308	Piece–Nozzle	56	8	3
99–8309	Asm–Washer, Adjusting	56	10	3
99–8310	Washer–Adj. (0.10mm)	56	*	3
99–8311	Washer–Adj. (0.20mm)	56	*	3
99–8312	Washer–Adj. (0.30mm)	56	10	3
99–8313	Washer–Adj. (0.40mm)	56	*	3
99–8314	Washer–Adj. (0.50mm)	56	*	3
99–8315	Washer–Adj. (0.52mm)	56	*	3
99–8316	Washer–Adj. (0.54mm)	56	*	3
99–8317	Washer–Adj. (0.56mm)	56	*	3
99–8318	Washer–Adj. (0.58mm)	56	*	3
99–8319	Washer–Adj. (0.80mm)	56	*	3
99–8342	Stud	64	11	4
99–8343	Gasket–Muffler	64	10	1
99–8345	Asm–Case, Main Bearing	44	1	1
99–8348	Bolt	54	18	1
99–8349	Extension–Fill, Oil	42	14	1
99–8350	Key–Switch	3	2	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
99−8351	Filter−Fuel	22	1	1
99−8352	Asm−Switch, Toggle	11	16	1
99−8352	Switch−Backlap	33	44	1
99−8353	Kit−Individual Pieces	32	*	1
99−8356	Kit−Head W/Label	23	1	1
99−8357	Kit−Bowel	23	4	1
99−8358	Kit−Element	23	2	1
99−8359	O−Ring	23	3	1
99−8363	Bolt−HFH	57	24	4
99−8370	Frame−End	60	8	1
99−8371	Nut−Hex.	60	12	1
99−8372	Asm−Switch, Magnetic	60	14	1
99−8373	Clutch	60	17	1
99−8374	Frame−Drive End	60	19	1
99−8375	Cover−Cord	60	23	1
99−8376	Nut	60	25	1
99−8377	Nut−Flange	55	17	3
99−8378	Washer−Plain	55	18	3
99−8380	Complete Lever & Fork	53	16	1
99−8382	Nut−Cap	49	2	2
99−8384	Asm−Cartridge, Oil	41	15	1
99−8385	Seal−Valve Stem	63	14	6
99−8386	Nut	49	6	2
99−8388	Gasket, 10mm Dia	49	7	1
99−8389	Gasket, 14mm Dia.	49	9	1
99−8390	Lock−Pipe, Fuel Adjust.	49	1	2
99−8960	Asm−Main Wire Harness	12	56	1
99−8961	Panel−Control	11	14	1
99−8975	Strip−Seal	1	28	1
99−8980	Asm−Engine	36	18	1
100−3700	Decal−Diagnostic−ACE	9	1	1
100−3701	Decal−Diag. (Danish)	9	1	1
100−3702	Decal−Diag. (Dutch)	9	1	1
100−3703	Decal−Diag. (Finnish)	9	1	1
100−3704	Decal−Diag. (French)	9	1	1
100−3705	Decal−Diag. (German)	9	1	1
100−3706	Decal−Diag. (Italian)	9	1	1
100−3707	Decal−Diag. (Japan)	9	1	1
100−3708	Decal−Diag. (Norwegian)	9	1	1
100−3709	Decal−Diag. (Portuguese)	9	1	1
100−3710	Decal−Diag. (Spanish)	9	1	1
100−3711	Decal−Diag. (Swedish)	9	1	1
217−120	Rim	25	52	2
217−121	Rim	68	38	2
218−446	Nut−Locking	11	10	1
218−447	Washer−E.T.L.W.	11	11	1
218−498	Nut−Hex.	11	4	2
218−498	Nut−Lock	34	54	2
218−533	Lens−Red	4	36	1
218−535	Nut−Lock	4	33	1
218−536	Washer−Lock	4	34	1
218−574	Fuse−7.5A	11	20	1
218−578	Fuse−10A	11	20	3
218−589	Washer−Lock	11	29	1
218−594	Fuse−20A	11	20	1
219−19	Lamp−Green	12	*	
231−134	Tire	25	53	2
231−141	Tire	68	37	2
232−27	Stem−Valve	24	3	2
232−35	Valve−Stem	68	40	2
233−17	Knob−Parking Brake	4	9	1
233−42	Knob	6	19	1
233−42	Knob−Throttle	7	34	1
237−21	O−Ring	18	2	7
237−21	O−Ring	19	2	7
237−21	O−Ring	20	4	5
237−21	O−Ring	74	5	8
237−21	O−Ring	76	14	4
237−21	O−Ring	16	18	4
237−21	O−Ring	68	22	2
237−22	O−Ring	16	1	1
237−22	O−Ring	18	14	2
237−22	O−Ring	4	14	5
237−22	O−Ring	31	15	1
237−22	O−Ring	24	20	2
237−22	O−Ring	14	23	6
237−22	O−Ring	20	36	4
237−22	O−Ring	34	47	2
237−30	O−Ring	31	11	2
237−30	O−Ring	17	12	1
237−30	O−Ring	16	13	7
237−30	O−Ring	20	19	19
237−42	O−Ring	16	3	2
237−42	O−Ring	17	5	2
237−42	O−Ring	67	6	1
237−42	O−Ring	74	6	2
237−42	O−Ring	19	12	2
237−42	O−Ring	18	16	2
237−42	O−Ring	14	25	4
237−42	O−Ring	15	49	1
237−65	O−Ring	14	10	5
237−65	O−Ring	16	22	1
237−65	O−Ring	34	50	2
237−78	O−Ring	17	1	12
237−78	O−Ring	20	2	5
237−78	O−Ring	74	3	6
237−78	O−Ring	18	4	7
237−78	O−Ring	19	4	8
237−78	O−Ring	16	7	6
237−78	O−Ring	67	7	1
237−78	O−Ring	76	12	4
237−78	O−Ring	68	20	2
237−78	O−Ring	24	22	1
237−79	O−Ring	16	9	6
237−79	O−Ring	17	10	1
237−79	O−Ring	31	17	3
237−79	O−Ring	20	18	10
237−79	O−Ring	24	18	2
237−79	O−Ring	14	45	1
237−80	O−Ring	17	20	1
237−81	O−Ring	14	12	4
237−81	O−Ring	24	25	2
237−81	O−Ring	16	26	1
237−101	O−Ring	14	7	1
237−141	Bumper	1	6	2
237−146	O−Ring	31	19	1
237−156	O−Ring	17	16	2
237−161	O−Ring	24	36	1
237−163	O−Ring	31	9	1
237−165	Grommet	68	9	2
237−181	O−Ring	25	51	1
240−3	Grommet	34	57	2
240−5	Grommet−Rubber	20	28	4
240−11	Grommet	22	23	3
240−11	Grommet	14	39	3
242−34	Stud−Flange, Axle	28	9	10
2411−36	Bearing−Rod End	6	2	1
2412−34	Clamp−Hose	31	2	1
2412−34	Clamp−Hose	33	15	4
2412−34	Clamp−Hose	14	18	3
2412−36	Clamp−Drain	22	26	1
2412−42	Clamp−Hose	65	1	1
2412−92	Clamp−Hose	36	14	1
2412−93	Clamp−R	7	18	1
2412−93	Clamp−R	14	32	2
2412−98	Clamp−Hose	22	4	1
2412−98	Clamp−Hose	33	31	1
2412−103	Clamp−R	33	29	2
2412−108	Clamp	65	39	4
2412−108	Clamp−Hose	22	11	4
2412−126	Clamp−R	12	53	1
2412−129	Clamp−Hose	24	27	2
2412−133	Clamp−R	7	42	2
2412−146	Clamp−Spring	22	34	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
251–8	Bearing–Ball	71	6	2
251–77	Collar–Locking	73	25	1
251–259	Bearing–Ball	30	11	2
251–263	Bearing–Ball	71	25	2
251–318	Bearing–Ball	36	7	2
251–337	Bearing–Ball	73	26	1
251–344	Bearing–Ball	69	4	1
251–345	Bearing–Ball	69	13	1
251–347	Bearing–Ball	71	12	2
251–348	Bearing–Ball	71	3	2
251–349	Bearing–Ball	71	17	2
251–350	Bearing–Ball	69	18	2
253–155	Seal	73	13	2
254–65	Cone–Tapered Bearing	27	28	2
254–66	Cup–Tapered Bearing	27	27	2
254–91	Cone–Bearing	27	23	1
254–108	Bearing–Roller, Tapered	69	31	1
254–109	Bearing–Roller, Tapered	69	39	1
256–42	Bushing–Sleeve	6	34	2
256–113	Bushing–Flange	30	19	2
256–115	Washer–Thrust	76	26	8
256–115	Washer–Thrust	74	41	11
256–236	Bearing–Flange	6	24	4
256–287	Bushing–Flange	76	38	4
281–7	Plug–Pipe, Square Hd.	71	37	2
281–10	Plug–Socket, Hex.	71	27	2
281–13	Plug–Pipe	65	36	2
282–4	Clevis–Spring	76	3	2
282–4	Clevis–Spring	74	21	3
283–6	Pin–Clevis	76	10	2
283–6	Pin–Clevis	74	15	3
283–58	Pin–Clevis	6	30	4
284–3	Plug–Welch	73	20	1
285–22	Plug–Pipe	67	9	1
302–5	Fitting–Grease	73	4	2
302–5	Fitting–Grease	72	7	2
302–5	Fitting–Grease	74	11	6
302–5	Fitting–Grease	78	13	1
302–5	Fitting–Grease	79	13	1
302–5	Fitting–Grease	80	13	1
302–5	Fitting–Grease	81	13	1
302–5	Fitting–Grease	30	20	1
302–5	Fitting–Grease	35	22	2
302–5	Fitting–Grease	76	29	4
302–5	Fitting–Grease	6	39	1
302–10	Fitting–Grease 45˚	36	10	1
302–11	Fitting–Grease	68	49	1
302–55	Fitting–Grease	68	34	2
302–58	Fitting–Grease	73	10	1
304–46	Drain–Radiator	33	10	1
304–46	Fitting–Drain	22	27	1
304–73	Fitting–Barbed	22	2	1
321–2	Screw–HH	24	6	1
321–4	Screw–HH	3	6	2
321–4	Screw–HH	33	23	7
321–4	Screw–HH	7	31	1
321–5	Screw–HH	65	23	2
321–8	Screw–HH	22	31	1
321–11	Screw–HH	19	6	4
321–15	Screw–HH	11	33	2
321–18	Screw–HH	18	5	4
321–23	Screw–HH	14	13	2
321–39	Screw–HH	1	15	7
321–39	Screw–HH	11	26	2
322–2	Screw–HH	33	36	4
322–2	Screw–HH	37	49	4
322–3	Screw–HH	7	14	13
322–3	Screw–HH	30	18	2
322–3	Screw–HH	6	25	8
322–3	Screw–HH	16	28	4
322–3	Screw–HH	1	30	4
322–3	Screw–HH	11	35	2
322–4	Screw–HH	65	11	3
322–4	Screw–HH	22	28	1
322–4	Screw–HH	2	40	2
322–4	Screw–HH	37	53	9
322–5	Screw–HH	76	6	3
322–5	Screw–HH	19	17	2
322–5	Screw–HH	1	19	4
322–5	Screw–HH	74	26	3
322–5	Screw–HH	65	28	2
322–5	Screw–HH	12	54	1
322–5	Screw–HH	34	60	4
322–6	Screw–HH	76	17	4
322–6	Screw–HH	8	30	1
322–6	Screw–HH	36	38	8
322–6	Screw–HH	65	42	2
322–7	Screw–HH	30	10	1
322–8	Screw–HH	73	19	4
322–9	Screw–HH	35	19	2
322–10	Screw–HH	30	3	1
322–12	Screw–HH	76	32	2
322–13	Screw–HH	18	29	4
322–13	Screw–HH	74	35	6
322–13	Screw–HH	77	50	3
323–4	Screw–HH	7	2	2
323–4	Screw–HH	14	43	2
323–6	Screw–HH	35	3	4
323–6	Screw–HH	36	12	2
323–6	Screw–HH	77	54	2
323–7	Screw–HH	68	1	4
323–8	Screw–HH	36	45	1
323–9	Screw–HH	6	3	1
323–9	Screw–HH	68	11	2
323–9	Screw–HH	65	14	1
323–10	Screw–HH LH	36	33	1
323–11	Screw–HH	74	39	1
323–12	Screw–HH	31	4	2
323–12	Screw–HH	24	32	2
323–12	Screw–HH	75	56	2
323–12	Screw–HH RH	36	27	3
323–20	Screw–HH	25	49	2
324–7	Screw–HH	24	29	4
325–2	Screw–HH	34	65	2
325–4	Screw–HH	76	35	4
325–4	Screw–HH	75	59	6
325–5	Screw–HH	68	3	4
325–5	Screw–HH	82	6	9
325–7	Screw–HH	24	13	2
325–12	Screw–HH	65	30	2
327–2	Screw–HH	68	4	1
328–7	Screw–HH	74	18	4
328–12	Screw–HH	74	13	2
3210–8	Screw–HH	26	19	8
3212–4	Bolt	7	52	2
3212–4	Screw–HH	82	*	2
3213–2	Screw–HH	37	60	8
3217–6	Nut–Hex	8	32	1
3217–6	Nut–Hex.	30	28	1
3217–9	Nut–Hex.	65	32	2
3217–9	Nut–Lock	82	7	3
3218–1	Nut–Jam	25	50	1
3220–3	Nut–Jam	6	1	2
3220–6	Nut	5	27	1
3220–6	Nut–Steering Wheel	4	8	1
3230–2	Bolt–Carriage	36	13	1
3230–3	Bolt–Carriage	73	1	3
3234–5	Screw–HFH	2	55	1
3234–5	Screw–HHF	2	34	1
3234–5	Screw–Whiz Lock	33	3	6
3234–7	Screw–HHF (Europe)	2	42	1
3234–14	Screw–HWH	2	33	14
3234–29	Screw	65	41	2
3234–29	Screw–HHF	37	55	6

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3245−35	Screw−Set	73	24	1
3250−29	Screw−HH	7	7	4
3253−3	Washer−Lock	24	7	1
3253−3	Washer−Lock	73	16	6
3253−3	Washer−Lock	7	30	1
3253−3	Washer−Lock	11	32	2
3253−4	Washer−Lock	4	2	2
3253−4	Washer−Lock	7	13	4
3253−4	Washer−Lock	76	16	2
3253−4	Washer−Lock	30	17	2
3253−4	Washer−Lock	1	20	4
3253−4	Washer−Lock	16	29	4
3253−4	Washer−Lock	33	39	4
3253−4	Washer−Lock	36	43	6
3253−5	Washer−Lock	31	5	2
3253−6	Washer−Lock	82	*	2
3253−6	Washer−Lock	8	25	2
3253−6	Washer−Lock	7	51	2
3253−7	Washer−Lock	82	5	9
3253−7	Washer−Lock	76	39	4
3253−7	Washer−Lock	75	58	6
3253−7	Washer−Lock	37	61	8
3253−7	Washer−Lock	34	64	2
3253−15	Washer−Lock	22	8	5
3253−19	Washer−Lock	12	*71	2
3253−21	Washer−Lock	65	15	1
3253−21	Washer−Lock	24	33	2
3253−21	Washer−Lock	14	42	2
3253−21	Washer−Lock	37	50	1
3253−27	Washer−Lock	65	31	2
3253−33	Washer−Lock	8	31	1
3255−8	Washer−Lock	37	52	1
3255−8	Washer−Lock ETLW	4	15	1
3255−9	Washer−Lock	36	16	2
3256−1	Washer−Flat	3	7	2
3256−1	Washer−Flat	11	13	5
3256−1	Washer−Flat	1	14	10
3256−1	Washer−Flat	4	29	2
3256−2	Washer−Flat	33	34	4
3256−3	Washer−Flat	1	31	4
3256−3	Washer−Flat	11	34	3
3256−4	Washer−Flat	35	4	8
3256−5	Washer−Flat	8	4	1
3256−6	Washer−Flat	76	40	4
3256−6	Washer−Flat	75	57	6
3256−22	Washer−Flat	6	6	2
3256−22	Washer−Flat	4	11	4
3256−22	Washer−Flat	33	22	4
3256−22	Washer−Flat	22	33	1
3256−22	Washer−Flat	25	54	2
3256−23	Washer−Flat	76	7	10
3256−23	Washer−Flat	7	12	8
3256−23	Washer−Flat	1	18	6
3256−23	Washer−Flat	74	25	3
3256−23	Washer−Flat	4	31	6
3256−23	Washer−Flat	36	34	10
3256−23	Washer−Flat	33	38	4
3256−24	Washer−Flat	68	2	2
3256−24	Washer−Flat	6	4	1
3256−24	Washer−Flat	8	5	1
3256−24	Washer−Flat	65	16	1
3256−24	Washer−Flat	7	19	3
3256−24	Washer−Flat	74	24	3
3256−24	Washer−Flat	36	30	5
3256−24	Washer−Flat	76	30	4
3256−24	Washer−Flat	14	41	2
3256−24	Washer−Flat	65	46	2
3256−26	Washer−Flat	30	2	1
3256−26	Washer−Flat	82	4	9
3256−26	Washer−Flat	4	22	1
3256−26	Washer−Flat	8	24	2
3256−26	Washer−Flat	34	63	2
3256−40	Washer−Flat	37	62	4
3256−46	Washer−Flat	8	20	1
3256−69	Washer−Thrust	6	31	3
3256−70	Washer−Flat	18	31	4
3256−70	Washer−Flat	20	37	4
3256−70	Washer−Flat	74	37	6
3256−70	Washer−Plain	77	46	2
3256−78	Washer−Flat	36	20	1
3258−166	Screw−PPH	11	12	5
3258−166	Screw−PPH	4	28	2
3258−166	Screw−PPH	2	46	3
3269−10	Washer−Back−up	33	30	5
3269−13	Rivet−Pop	33	32	15
3269−15	Rivet−Pop	33	5	8
3272−2	Pin−Cotter	6	5	2
3272−4	Pin−Cotter	1	11	2
3272−5	Pin−Cotter	4	17	3
3272−10	Pin−Cotter	30	1	1
3272−10	Pin−Cotter	76	4	2
3272−10	Pin−Cotter	74	17	3
3272−10	Pin−Cotter	4	21	1
3272−10	Pin−Cotter	7	21	2
3272−10	Pin−Cotter	6	40	4
3272−11	Pin−Cotter	68	10	1
3272−17	Pin−Cotter	71	31	2
3273−26	Screw−Hex. Socket Hd.	11	45	2
3274−8	Screw−HH	73	17	6
3274−34	Screw−Socket Flat Hd.	73	30	1
3290−271	Rivet−Pop	33	20	2
3290−354	Plate−Nut	11	36	2
3290−378	Tie−Cable	20	*	4
3290−378	Tie−Cable	4	*	3
3290−378	Tie−Cable	33	17	1
3290−378	Tie−Cable	68	25	1
3290−378	Tie−Cable	76	42	2
3290−378	Tie−Cable	75	68	5
3290−379	Tie−Cable	76	1	4
3290−379	Tie−Cable	74	14	3
3290−410	Tie−Cable, Push On	4	*	4
3290−461	Washer−Belleville	6	21	1
3290−488	Boot−Lift Control	11	40	1
3290−489	Knob−Lift Control	11	3	1
3296−2	Nut−Lock	11	18	4
3296−3	Nut−Lock	7	27	1
3296−9	Nut−Hex.	30	24	2
3296−16	Nut−Lock	3	9	2
3296−20	Nut−Lock	4	16	4
3296−20	Nut−Lock	7	54	1
3296−23	Nut−Lock	68	7	4
3296−23	Nut−Lock	24	16	2
3296−29	Nut−Lock	73	6	7
3296−29	Nut−Lock	30	9	4
3296−29	Nut−Lock	76	9	11
3296−29	Nut−Lock	36	19	15
3296−29	Nut−Lock	35	20	2
3296−29	Nut−Lock	6	23	8
3296−29	Nut−Lock	7	23	10
3296−29	Nut−Lock	65	26	8
3296−29	Nut−Lock	22	29	1
3296−29	Nut−Lock	18	30	4
3296−29	Nut−Lock	74	45	3
3296−29	Nut−Lock	34	59	2
3296−39	Nut−Lock	35	6	4
3296−39	Nut−Lock	68	8	2
3296−39	Nut−Lock	7	9	3
3296−39	Nut−Lock	36	28	1
3296−39	Nut−Lock	76	31	6
3296−39	Nut−Lock	24	35	2
3296−39	Nut−Lock	6	38	1
3296−39	Nut−Lock	68	45	2
3296−39	Nut−Lock	75	52	2
3296−42	Nut−Lock	1	13	7

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3296−42	Nut−Lock	14	15	2
3296−42	Nut−Lock	18	21	4
3296−42	Nut−Lock	11	22	4
3296−42	Nut−Lock	33	25	7
3296−42	Nut−Lock	4	30	2
3296−42	Nut−Lock	22	32	1
3296−44	Nut−Lock	8	22	1
3296−44	Nut−Lock	74	23	4
3296−48	Nut−Lock	24	45	4
3296−51	Nut−Lock	74	19	6
3296−54	Nut−Lock	7	4	4
3296−56	Nut−Lock	24	4	2
3296−59	Nut−Lock	6	22	1
3296−59	Nut−Lock	37	56	1
32104−76	Screw−Thread Forming	75	48	2
32105−13	Screw−HH	11	17	4
32105−21	Screw	30	4	2
32108−9	Screw−Machine	24	12	1
32120−74	Ring−Retaining	29	53	1
32120−93	Ring−Retaining	76	25	4
32120−93	Ring−Retaining	74	29	6
32121−2	Pin−Roll	36	4	2
32121−6	Pin−Roll	6	9	1
32121−16	Pin−Roll	6	32	1
32121−27	Pin−Roll	74	2	3
32121−27	Pin−Roll	77	62	2
32121−34	Pin−Roll	73	18	1
32121−38	Pin−Roll	7	22	1
32121−45	Pin−Roll	6	10	2
32121−50	Pin−Roll	6	41	1
32121−122	Pin−Roll	76	44	2
32121−122	Pin−Roll	75	55	3
32122−24	Screw−Round Hd.	22	9	5
32128−20	Nut−Flange Lock	19	18	2
32128−20	Nut−Lock	65	21	3
32128−20	Nut−Whiz	33	8	8
32128−25	Nut−Flange	7	38	4
32128−26	Nut−Flange	8	21	4
32128−33	Nut−Flange Head	2	45	3
32128−33	Nut−Lock	65	9	2
32128−33	Nut−Lock	19	10	4
32128−33	Nut−Lock, Flange Hd.	12	55	3
32128−36	Nut−HFH	37	67	3
32136−13	Nut−Slotted	68	16	2
32144−4	Screw−TAP	68	19	1
32144−5	Nut	26	1	8
32144−10	Screw−HWH	14	33	2
32144−14	Screw−HH	37	64	2
32144−14	Screw−HWH	2	49	2
32144−14	Screw−Self Tapping	75	66	3
32144−18	Screw−HH	11	46	2
32144−21	Screw	4	6	1
32144−22	Screw−HH	30	13	4
32144−26	Screw−TAP	4	1	2
32144−58	Screw−HSH	20	32	4
32144−112	Screw−HH	24	8	8
32144−112	Screw−Thread Forming	26	13	8
32151−36	Ring−Retaining	77	47	4
32151−41	Ring−Retaining	21	13	1
32151−48	Ring−Retaining	76	5	2
32151−48	Ring−Retaining	74	20	3
32151−61	Ring−Retaining	76	18	4
32151−62	Ring−Retaining	24	38	1
32151−87	Ring−Retaining	73	21	1
32152−10	Nut	78	2	1
32152−10	Nut	79	2	1
32152−10	Nut	80	2	1
32152−10	Nut	81	2	1
33014−00	Nut−Lock	35	11	4
33024−00	Nut−Lock	35	13	1
33094−00	Washer−Flat	35	8	2
33103−025	Screw−HHF	22	25	3
33104−020	Screw−HFH	14	38	6
33105−025	Screw−HH	14	36	3
33114−016	Screw−HH	36	35	2
33114−020	Screw−HH	35	29	2
33114−025	Screw−HH	35	15	5
340−1	Fitting−Hydraulic Straight	19	19	2
340−1	Fitting−Hydraulic Straight	16	40	2
340−1	Fitting−Straight	75	64	2
340−2	Fitting−Hydraulic Straight	18	15	2
340−3	Fitting−Hydraulic Straight	31	16	1
340−3	Fitting−Hydraulic, Straight	24	19	2
340−4	Fitting−Hydraulic Straight	16	5	1
340−4	Fitting−Hydraulic Straight	31	10	2
340−8	Fitting−Hydraulic Straight	14	11	2
340−70	Nut−Bulkhead	20	11	2
340−71	Fitting−Hydraulic	20	31	2
340−77	Fitting−Hydraulic 90°	14	22	1
340−77	Fitting−Hydraulic 90°	18	27	1
340−82	Fitting−Hydraulic 90°	15	47	2
340−87	Fitting−Hydraulic 45°	14	27	1
340−92	Fitting−Hydraulic Straight	19	3	4
340−92	Fitting−Hydraulic Straight	16	17	2
340−92	Fitting−Hydraulic Straight	18	26	4
340−98	Fitting−Hydraulic 90°	16	2	2
340−98	Fitting−Hydraulic 90°	20	7	10
340−101	Fitting−Hydraulic 45°	16	10	2
340−101	Fitting−Hydraulic 45°	17	11	1
340−103	Fitting−Hydraulic 45°	20	3	5
340−103	Fitting−Hydraulic 45°	76	13	1
340−124	Fitting−Straight	34	48	2
340−127	Nut−Bulkhead	20	12	4
340−132	Fitting−Hydraulic 90°	18	3	3
340−132	Fitting−Hydraulic 90°	74	4	5
340−132	Fitting−Hydraulic 90°	19	8	1
340−132	Fitting−Hydraulic 90°	68	21	2
340−132	Fitting−Hydraulic 90°	76	22	3
340−139	Fitting−Hydraulic 90°	16	23	1
340−139	Fitting−Hydraulic 90°	14	35	1
340−143	Fitting−Hydraulic 90°	19	11	1
340−143	Fitting−Hydraulic 90°	17	18	1
340−143	Fitting−Hydraulic 90°	16	32	1
340−143	Fitting−Hydraulic 90°	75	70	1
351−78	Edging	7	1	1
351−80	Clip	7	40	1
353−508	Plug−Hydraulic	14	40	1
353−512	Fitting−Hydraulic Plug	19	5	2
353−550	Plug−Drain	14	44	1
353−599	Pin−Dowel	21	3	2
353−682	Fitting−Hydraulic Straight	14	20	1
353−783	Fitting−Fuel	22	3	1
353−783	Fitting−Fuel	65	35	1
353−989	Plug	17	6	2
353−990	Plug	17	2	11
353−991	Plug	17	17	2
354−20	Fitting−Fuel Tee	22	15	1
354−21	Fitting−Fuel Straight	22	14	1
354−22	Fitting−Fuel, Straight	22	13	1
354−46	Ring−Seal	21	8	1
354−50	Screw−HSH	21	1	4
354−51	Washer	21	2	4
354−70	Plug	17	21	1
354−72	Fitting−Hydraulic 45°	24	42	1
354−73	Fitting−Hydraulic Straight	14	24	2
354−74	Fitting−Hydraulic Plug	14	16	1
354−75	Fitting−Hydraulic 90°	24	40	1
354−77	Fitting−Hydraulic Test Port	24	23	1
354−77	Fitting−Test Port	16	11	2
354−78	Fitting−Hydraulic	31	3	1
354−79	Cap−Test Port	16	12	2
354−79	Cap−Test Port	24	24	1

*Not Illustrated

TABLE OF CONTENTS

Description	Page
Frame & Body Assembly	1–2
Hood Switch & Lock Assembly	3
Steering Tower Assembly	4
Steering Valve Assembly No. 75–0600	5
Traction & Brake Pedals Assembly	6
Seat & Throttle Assembly	7
Seat Suspension Assembly	8
Diagnostic–ACE Display Assembly	9
Electrical Schematic	10
Control Console Assembly	11–12
Hydraulic Schematic	13
Hydraulic Reservoir Assembly	14–15
Hydraulic Control Manifold Assembly	16
Control Manifold Assembly	17
Front Hydraulic Manifolds	18
Rear Hydraulic Manifolds	19
Cutting Unit Hydraulic Components	20
Reel Motor Assembly No. 93–1375	21
Fuel Tank Assembly	22
Fuel Filter Assembly No. 99–8351	23
Front Axle & Transmission Assembly	24–25
Front Axle Assembly No. 94–6933	26–27
Brake Assembly	28
Transmission Assembly No. 75–0012	29
Traction Control Assembly	30
Gear Pump Installation Assembly	31
Hydraulic Pump Assembly No. 98–9796	32
Radiator Assembly	33–34
Muffler & Pump Drive Assembly	35
Engine Installation Assembly	36–37
Crankcase Assembly	38
Oil Pan Assembly	39
Cylinder Head Assembly	40
Gear Case & Oil Filter Assembly	41
Head Cover Assembly	42
Dipstick & Guide Assembly	43
Main Bearing Case Assembly	44
Cam Shaft Assembly	45
Piston & Crankshaft Assembly	46
Flywheel Assembly	47
Fuel Camshaft Assembly	48
Engine Stop Lever Assembly	49
Stop Solenoid & Fuel Pump Assembly	50
Injection Pump Assembly	51
Injection Pump Assembly (Continued)	52
Governor Assembly	53
Speed Control Plate Assembly	54
Nozzle Holder & Glow Plug Assembly	55
Nozzle Holder Assembly	56
Alternator & Pulley Assembly	57
Alternator Assembly	58
Starter Mount Assembly	59
Starter Assembly	60
Water Flange & Thermostat Assembly	61
Water Pump Assembly	62
Valve & Rocker Arm Assembly	63
Exhaust Manifold & Gasket Assembly	64
Engine Components Assembly	65
Air Cleaner Assembly	66
Filter, Water/Fuel Separator	67
Rear Axle Installation Assembly	68
Rear Axle Assembly No. 68–6823	69–71
Hydraulic Cylinder No. 83–5030	72
Drive Shaft Assembly	73
Front Lift Arms Assembly	74–75
Rear Lift Arms Assembly	76–77
Hydraulic Cylinder Assembly No. 93–9311	78
Hydraulic Cylinder Assembly No. 93–9310	79
Hydraulic Cylinder Assembly No. 98–8069	80
Hydraulic Cylinder Assembly No. 98–8068	81
Roll Over Protection System (R.O.P.S.)	82
Special Tools	83
Part Number Index	84–96

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Reelmaster® 5200D has two identification numbers; a model number and a serial number. The two numbers are stamped on a decal which is located on the traction unit frame under the seat. In any correspondence concerning the Reelmaster 5200D, 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 Reelmaster 5200D.
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.

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

Litho in U.S.A.

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								