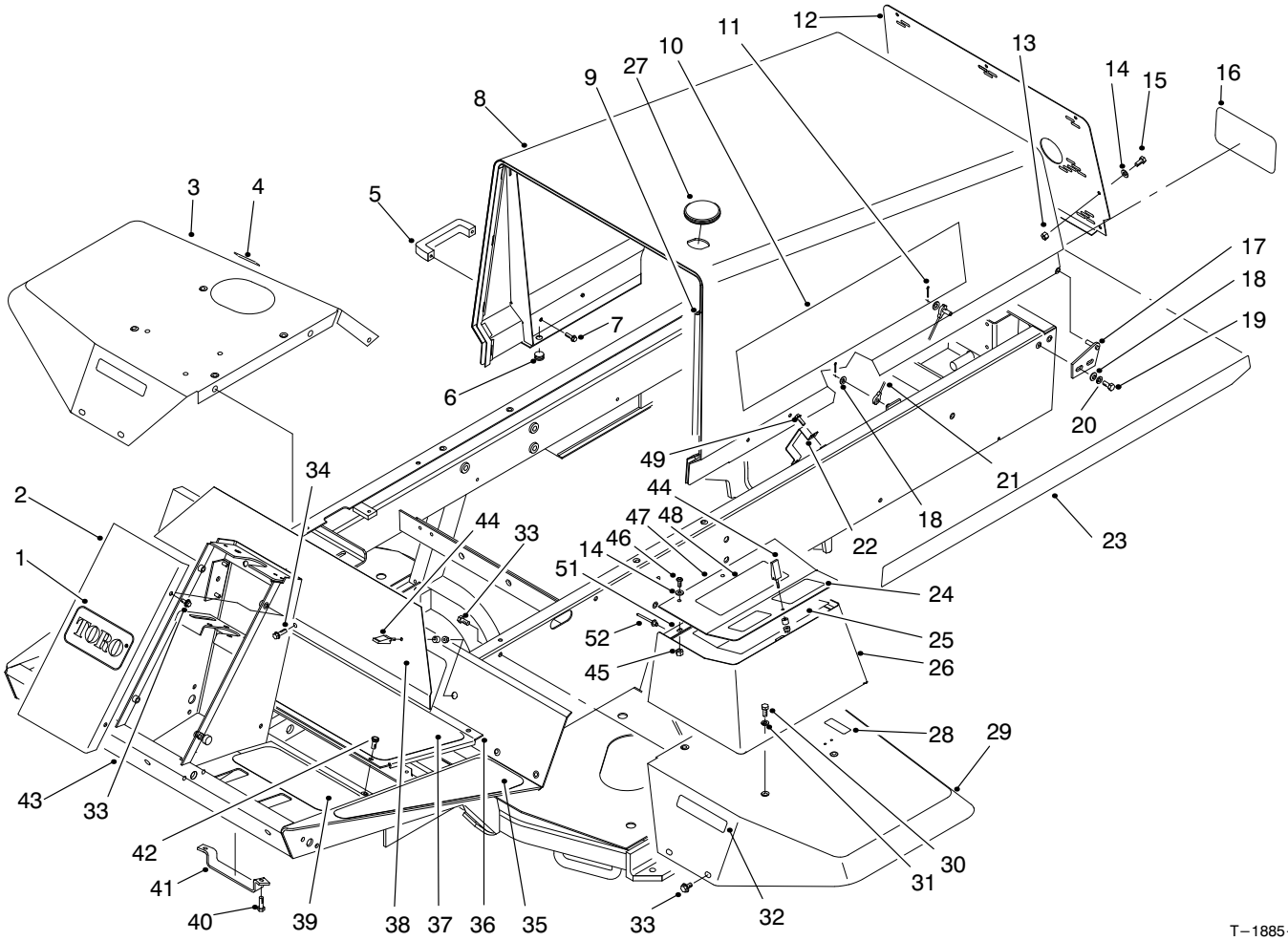
FORM NO. 3321–513

TORO®

MODEL NO. 03540–80001 & UP

PARTS CATALOG

REELMASTER® 5200D 2WD
TRACTION UNIT



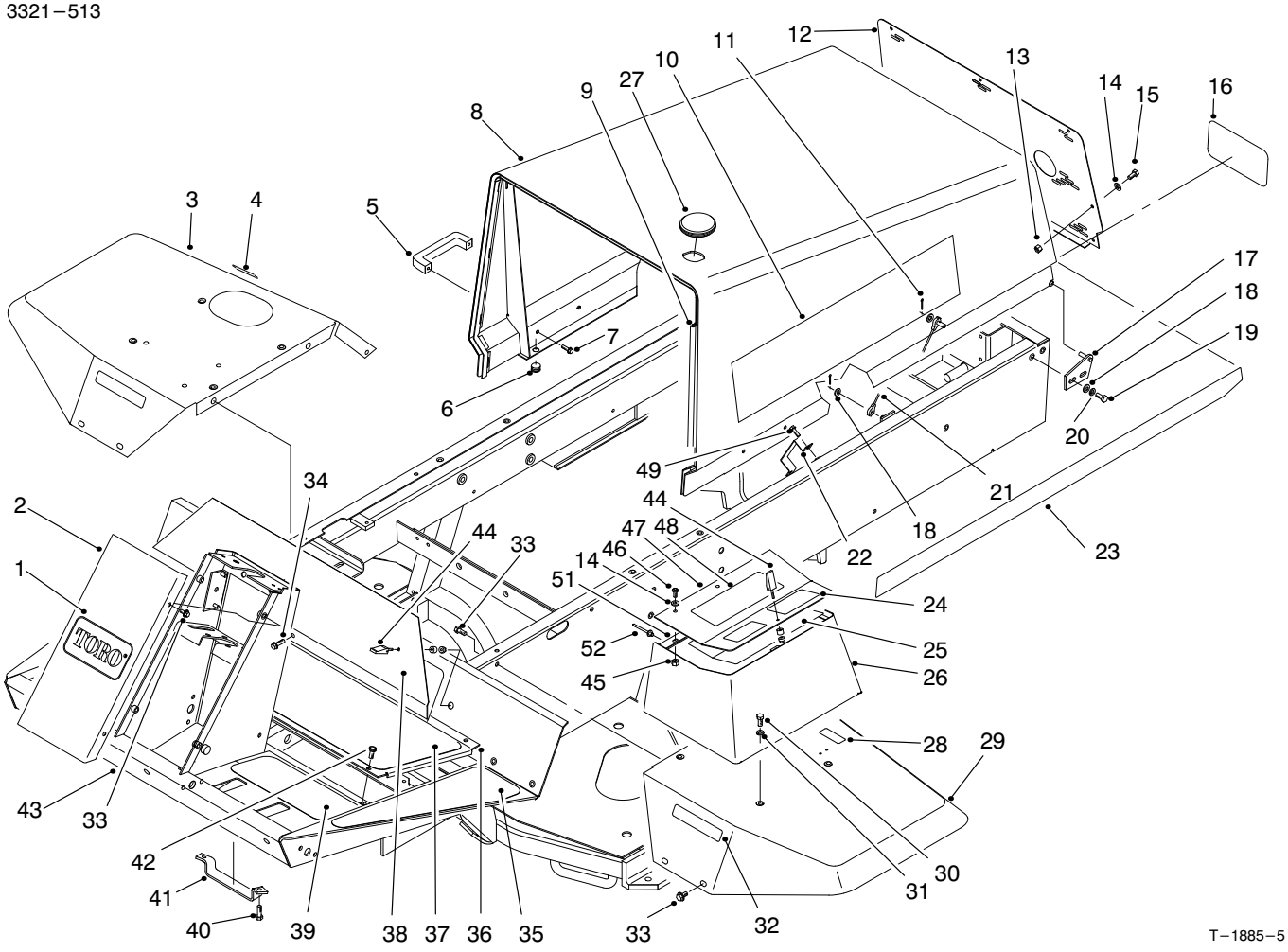
FRAME & BODY ASSEMBLY

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
17	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
25	95–0832	Decal–Service, Blank (Europe)	1
26	75–5810	Tool Box	1
27	98–9314	Plug–Hood	1
28	93–6680	Decal–Fuel	1
29	75–3860	Fender–LH	1
30	322–3	Screw–HH	4

* Not Illustrated

© The TORO Company – 1998
All Rights Reserved

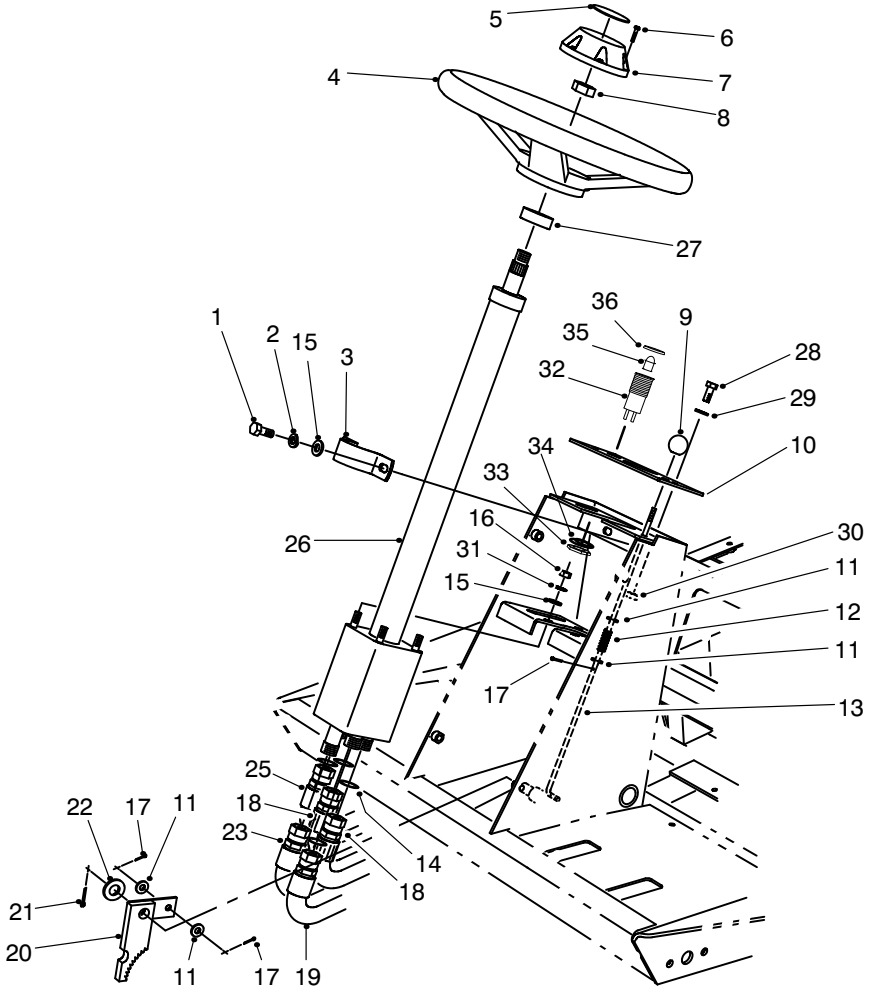


FRAME & BODY ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
31	3256–3	Washer–Flat	4
32	93–6689	Decal–No Riders	2
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

Ref. No.	Part No.	Description	No. Used
41	93–3626	Bracket–Hose	1
42	75–6840	Knob–Knurled	3
42	3234–7	Screw–HHF (Europe)	1
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
49	32144–14	Screw–HWH	2
51	75–5780	Hinge–Cover	1
52	93–8744	Rivet	3

*Not Illustrated



T−1044−2

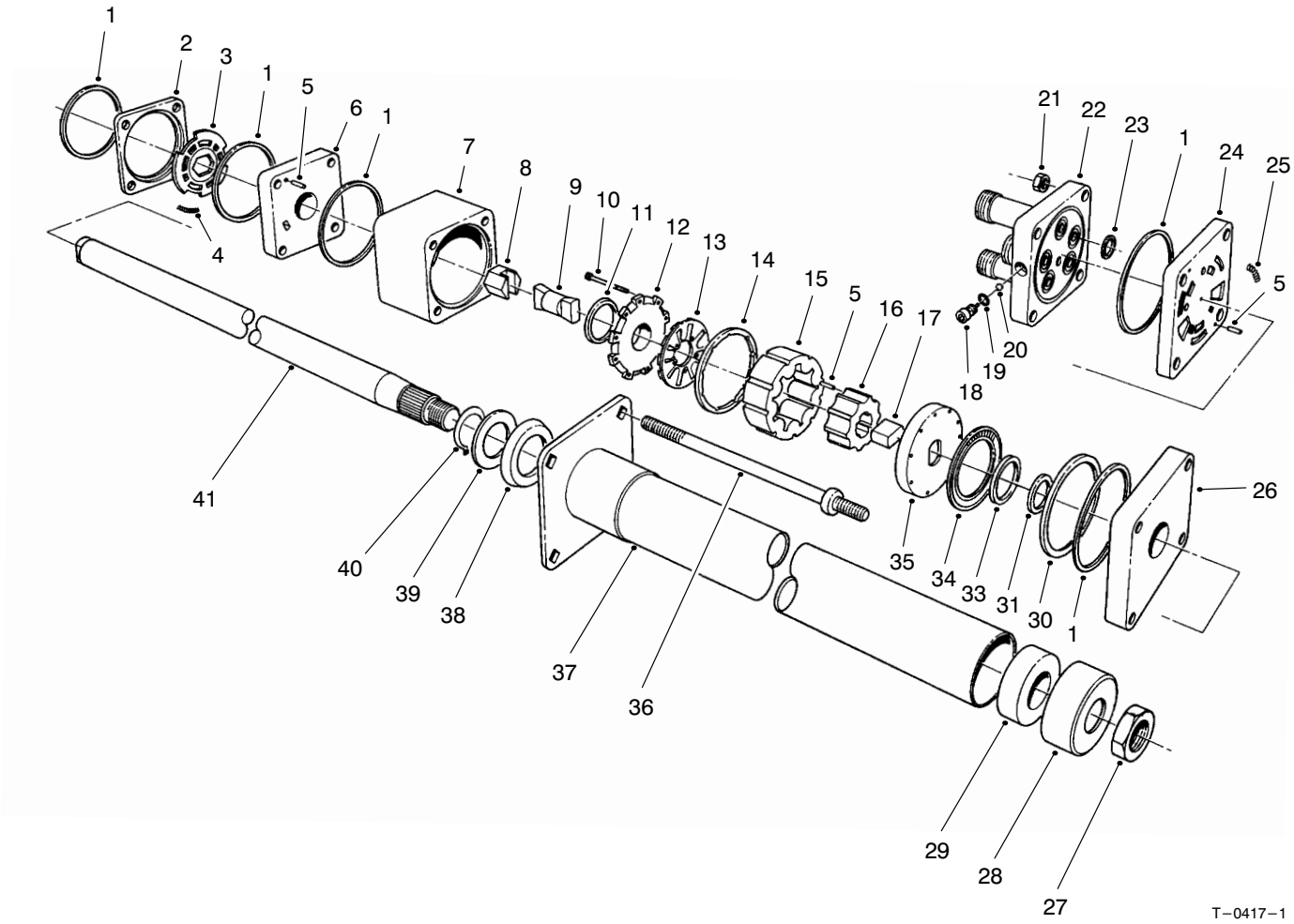
STEERING TOWER ASSEMBLY

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

3321–513

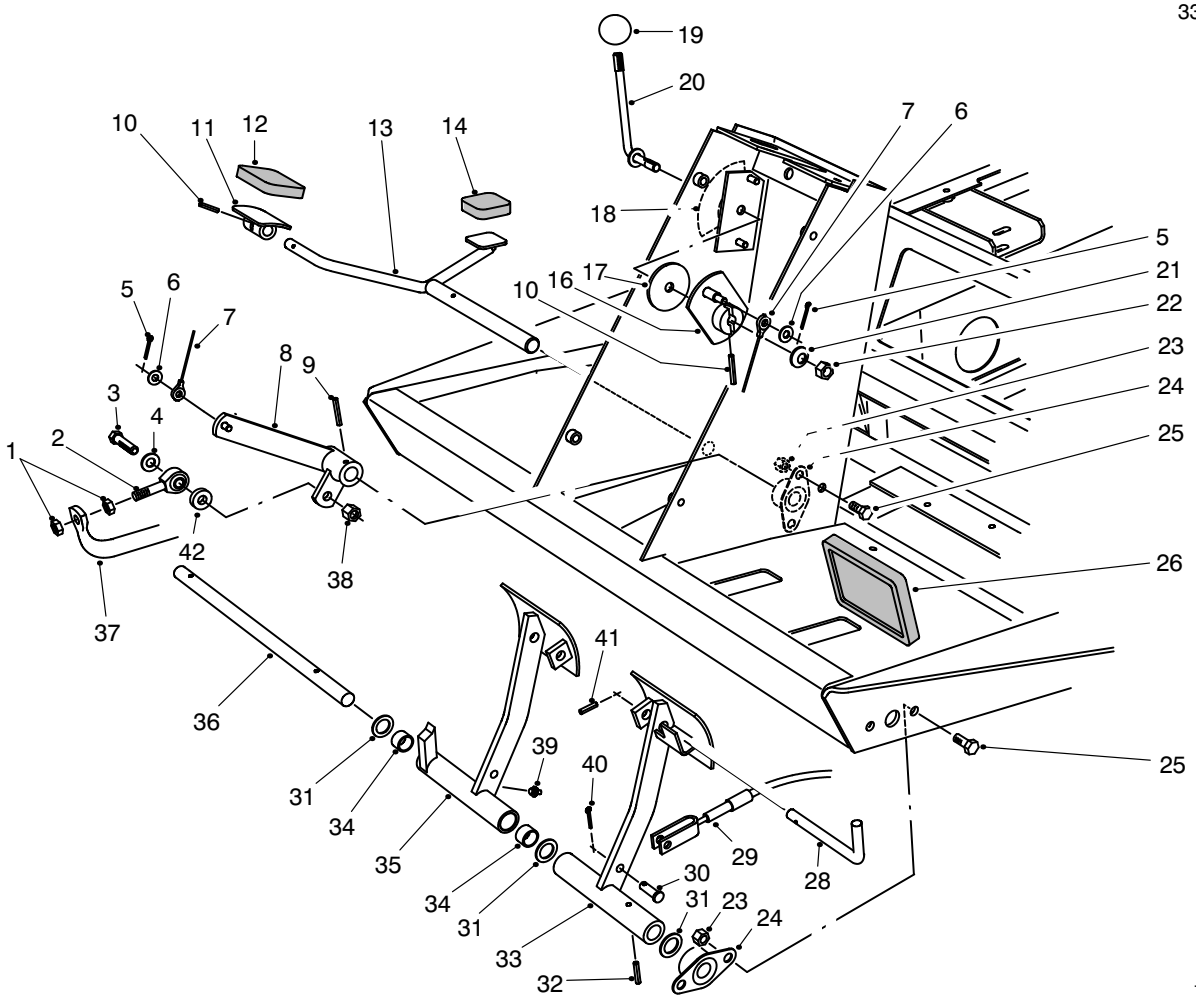


STEERING VALVE ASSEMBLY No. 75–0600

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

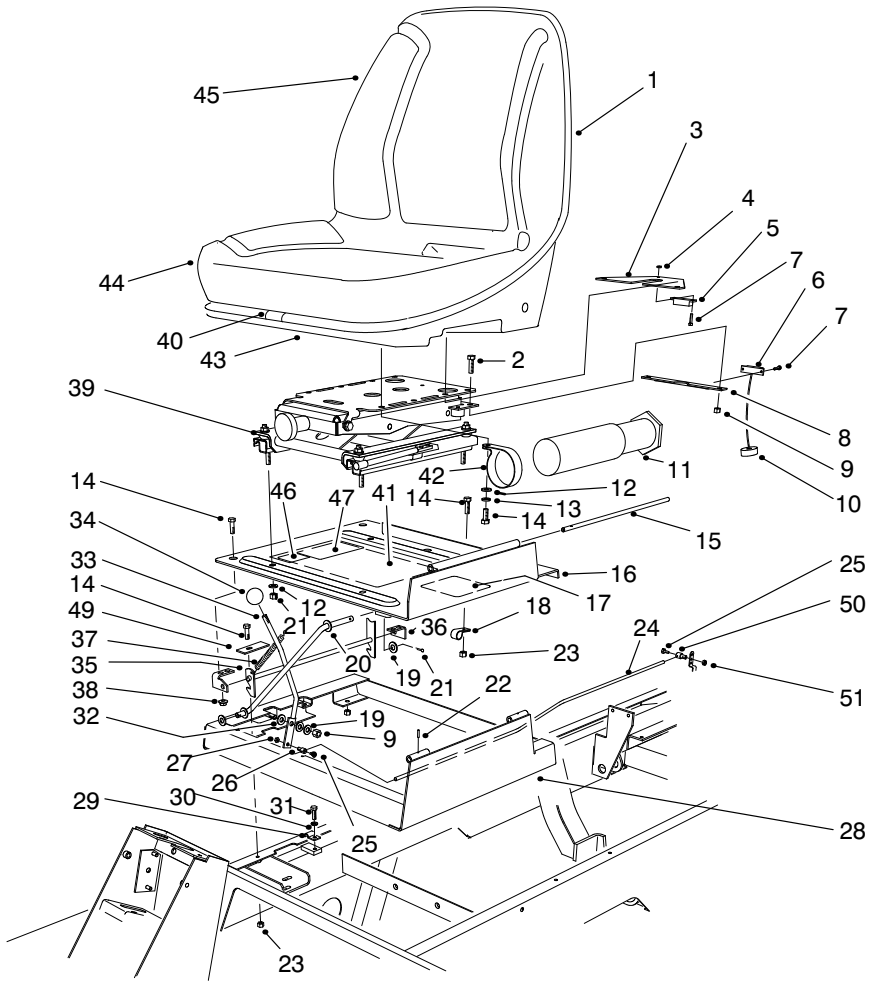


TRACTION & BRAKE PEDALS ASSEMBLY

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

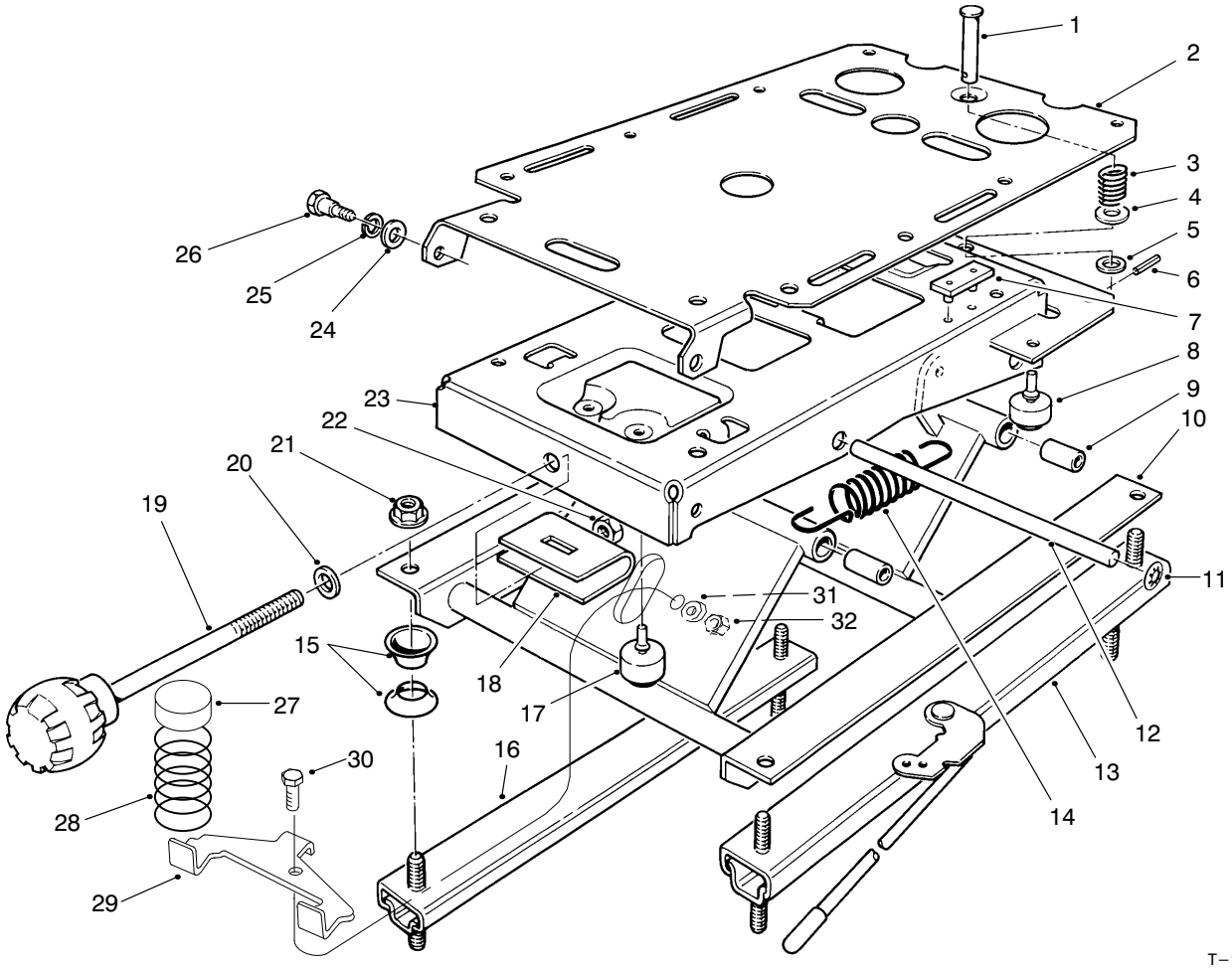


T−1891−5

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

Ref. No.	Part No.	Description	No. Used
27	3296−3	Nut−Lock	1
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		Asm−Seat Suspension	1
40	351−80	Clip	1
41	98−9341	Decal−Clip (English)	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	98−9311	Swivel−Cable, Throttle	1
51	3296−20	Nut−Lock	1



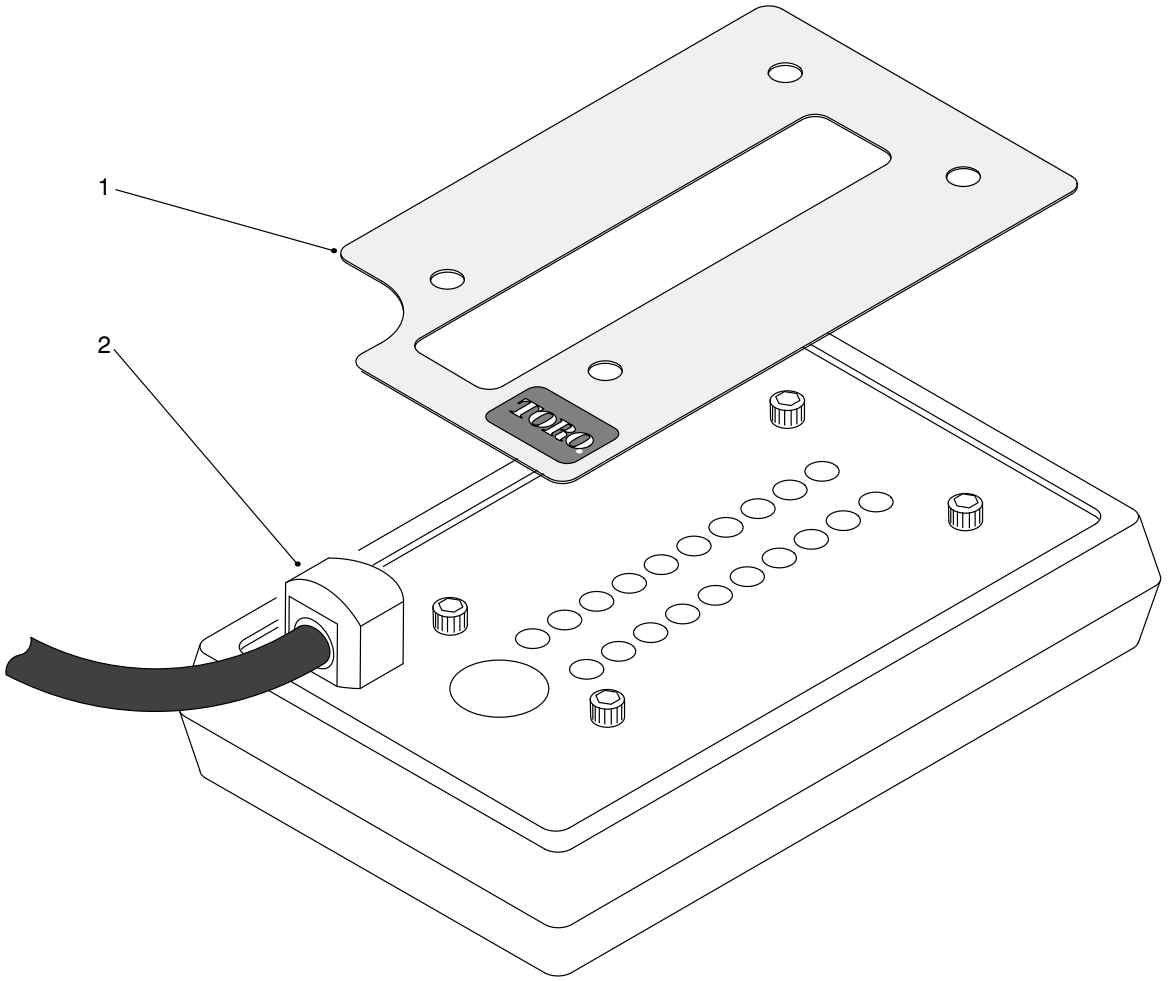
T−1031−1

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

3321–513



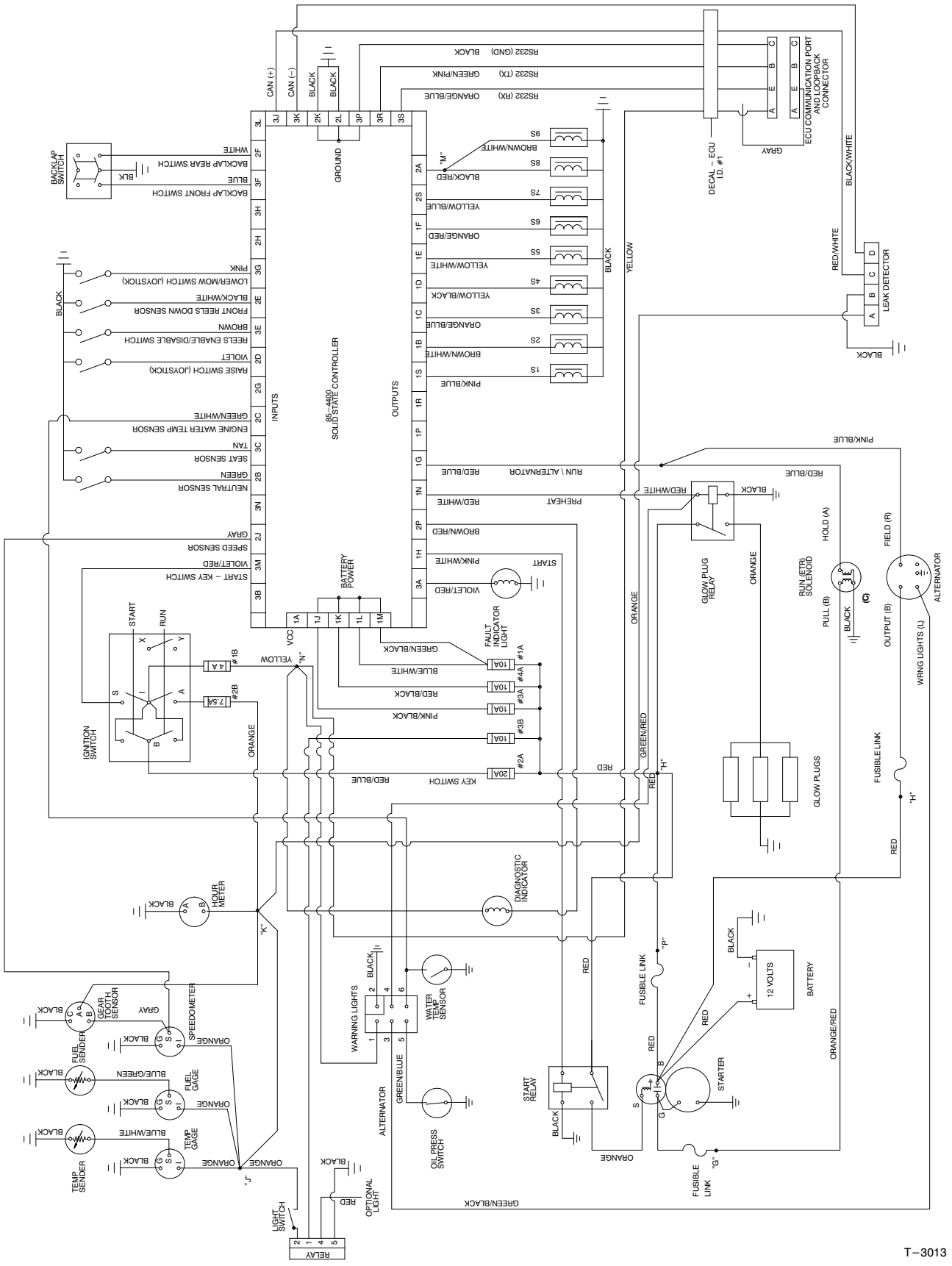
T–1458–1

DIAGNOSTIC–ACE DISPLAY ASSEMBLY

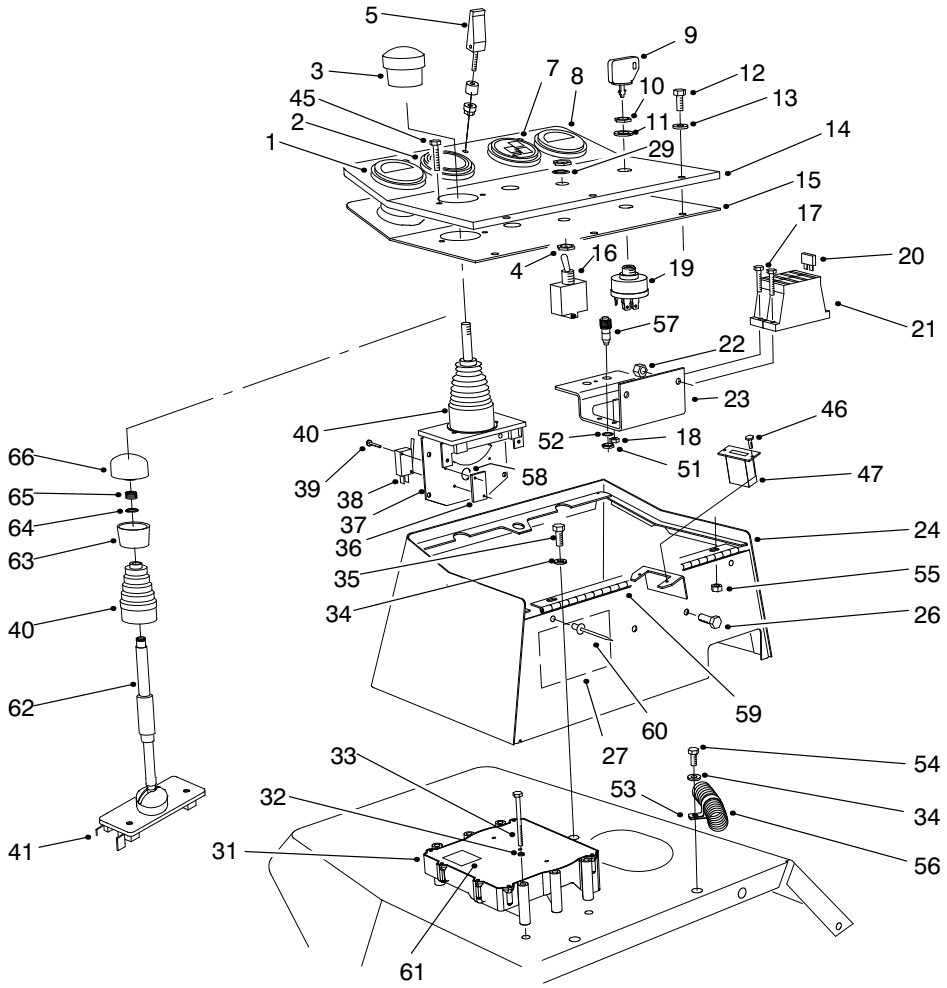
Ref. No.	Part No.	Description	No. Used
1	98–9750	Decal–Diagnostic–ACE RM 5200D V 1.0	1
1	98–9760	Decal–Diag. (Spanish)	1
1	98–9754	Decal–Diag. (French)	1
1	98–9755	Decal–Diag. (German)	1
1	98–9762	Decal–Diag. (Swedish)	1
1	98–9756	Decal–Diag. (Italian)	1
1	98–9759	Decal–Diag. (Portuguese)	1
1	98–9758	Decal–Diag. (Norwegian)	1
1	98–9753	Decal–Diag. (Finnish)	1
1	98–9751	Decal–Diag. (Danish)	1
1	98–9752	Decal–Diag. (Dutch)	1
1	98–9757	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

Ref. No.	Part No.	Description	No. Used
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–3013



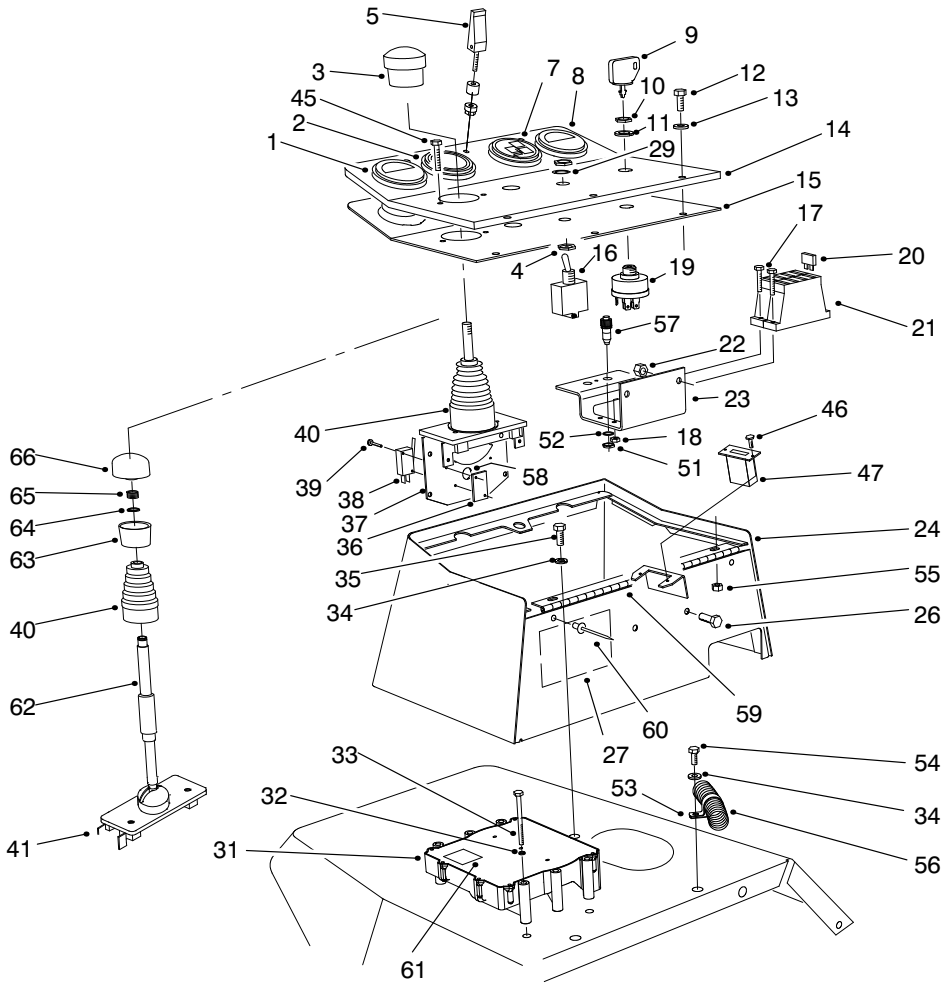
T−1501−6

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	93−6683	Panel−Control	1
15	75−6270	Cover−Control Box	1
16	75−1010	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	3
33	321−15	Screw−HH	3
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
41	93−7183	Kit−Lift Control (Incl. Ref. #62−66)	1
45	3273−26	Screw−Hex. Socket Hd.	2

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



T−1501−6

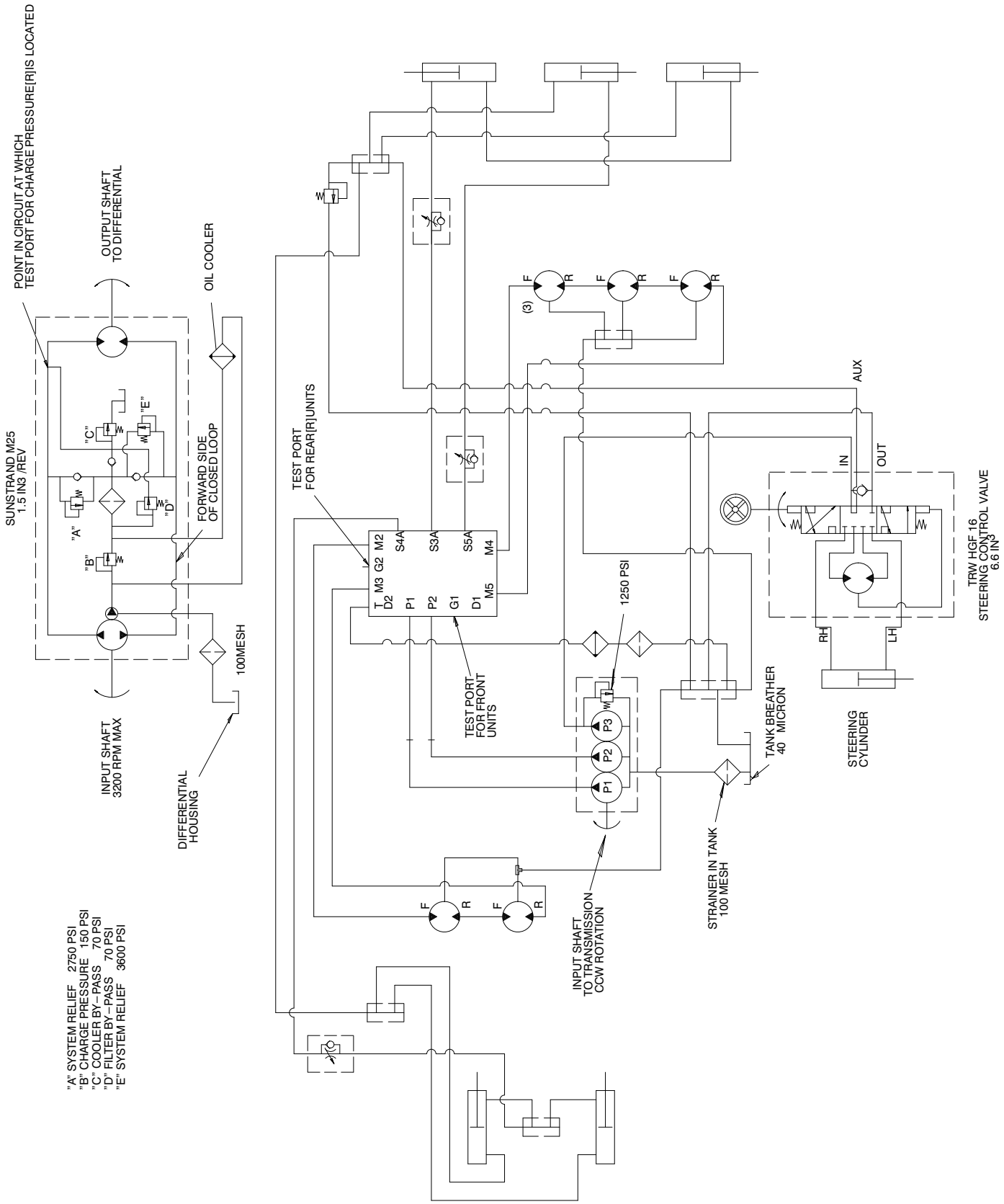
CONTROL CONSOLE ASSEMBLY− (Continued)

Ref. No.	Part No.	Description	No. Used
46	32144−18	Screw−HH	2
47	75−6820	Meter−Hour	1
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	98−4551	Asm−Main Wire Harness	1
†57	85−4491	Lamp−Diagnostic (Incl. Ref. 219−19 Lamp)	1
*	219−19	Lamp−Green	1
58	93−3625	Spring−Joystick Return	1
59	75−5780	Hinge−Cover	1

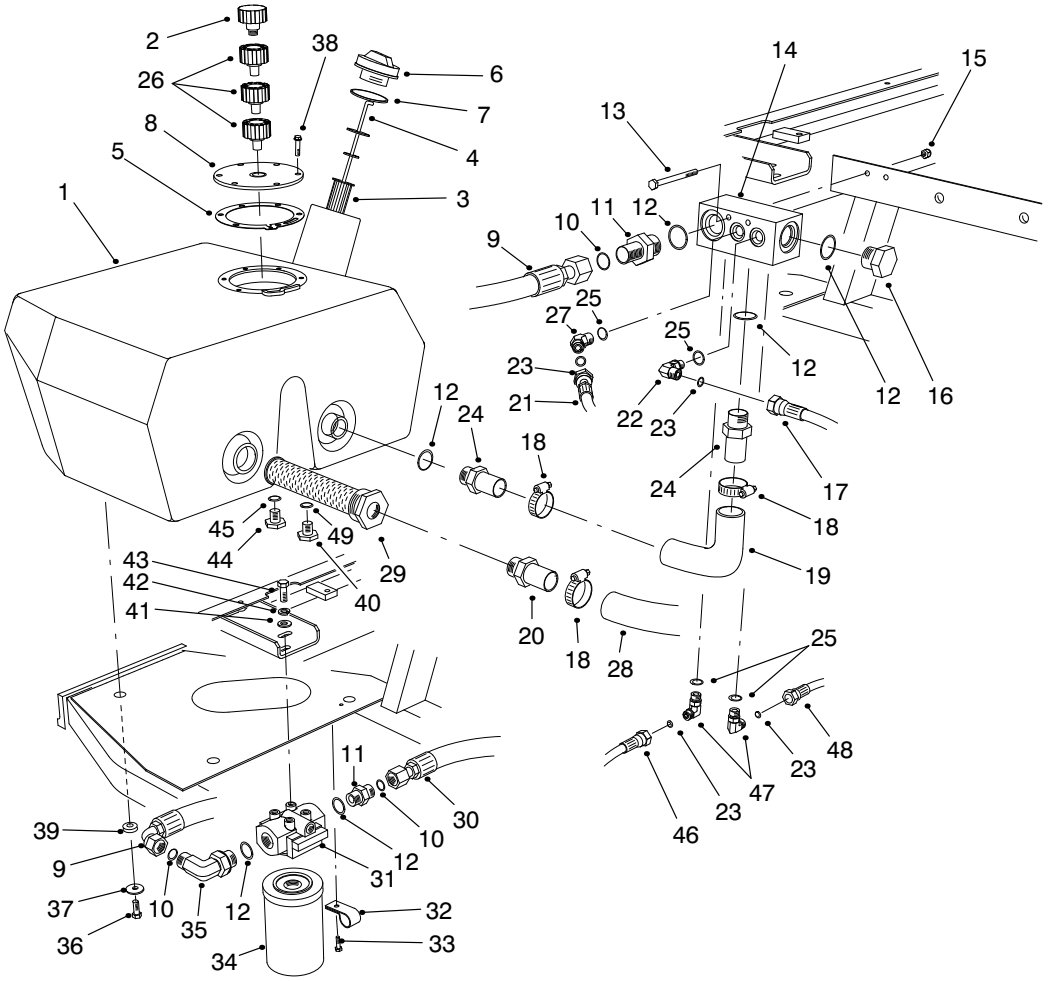
Ref. No.	Part No.	Description	No. Used
60	93−8744	Rivet	3
61	93−8053	Decal−ECU	1
62	98−9783	Tube−Interlock	1
63	94−3055	Cap−Lower, Joystick	1
64	94−3056	Ring−Retaining	1
65	94−3057	Spring−Compression	1
66	94−3058	Cap−Upper, Joystick	1
*70	94−6343	Decal−Wire I.D.	1
*71	3253−19	Washer−Lock	2
*†	70−8570	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 Assembly.

HYDRAULIC SCHEMATIC



T–1144–3

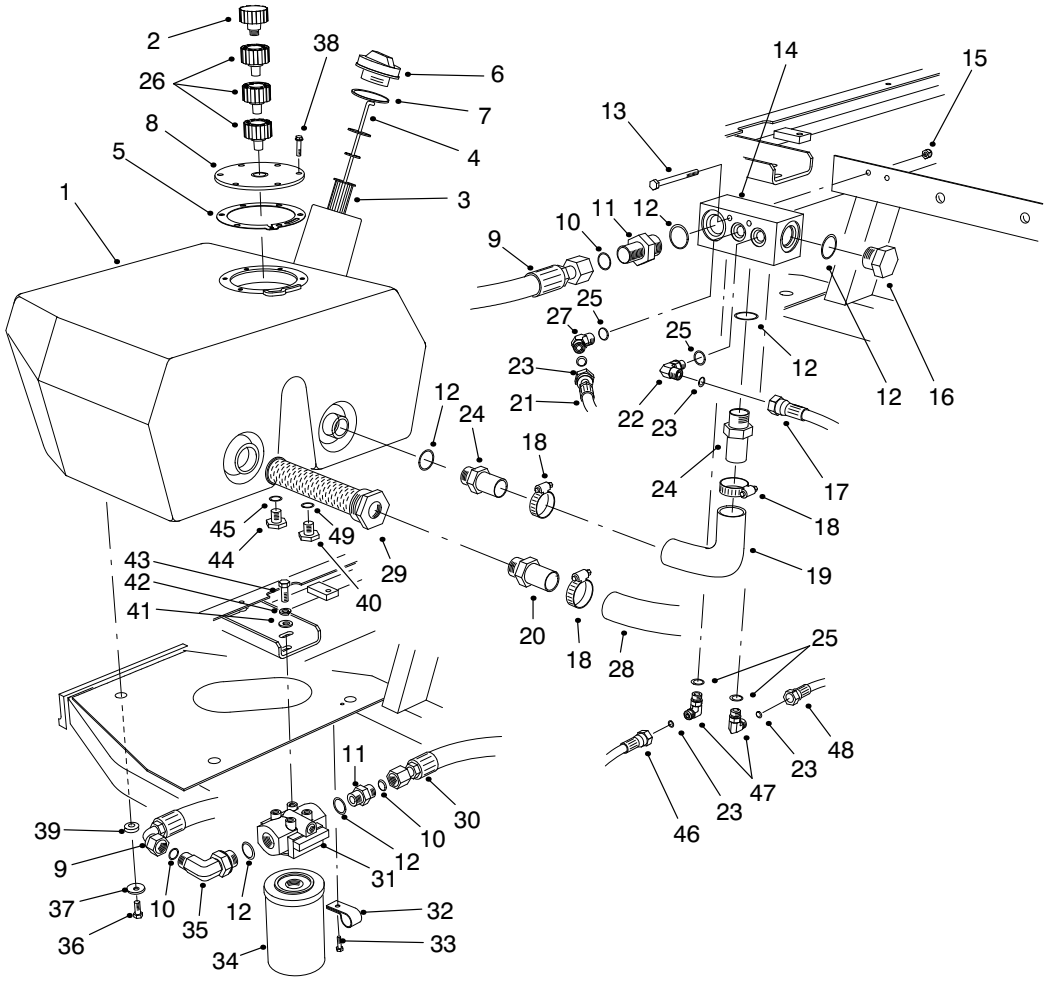


T−1048−4

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

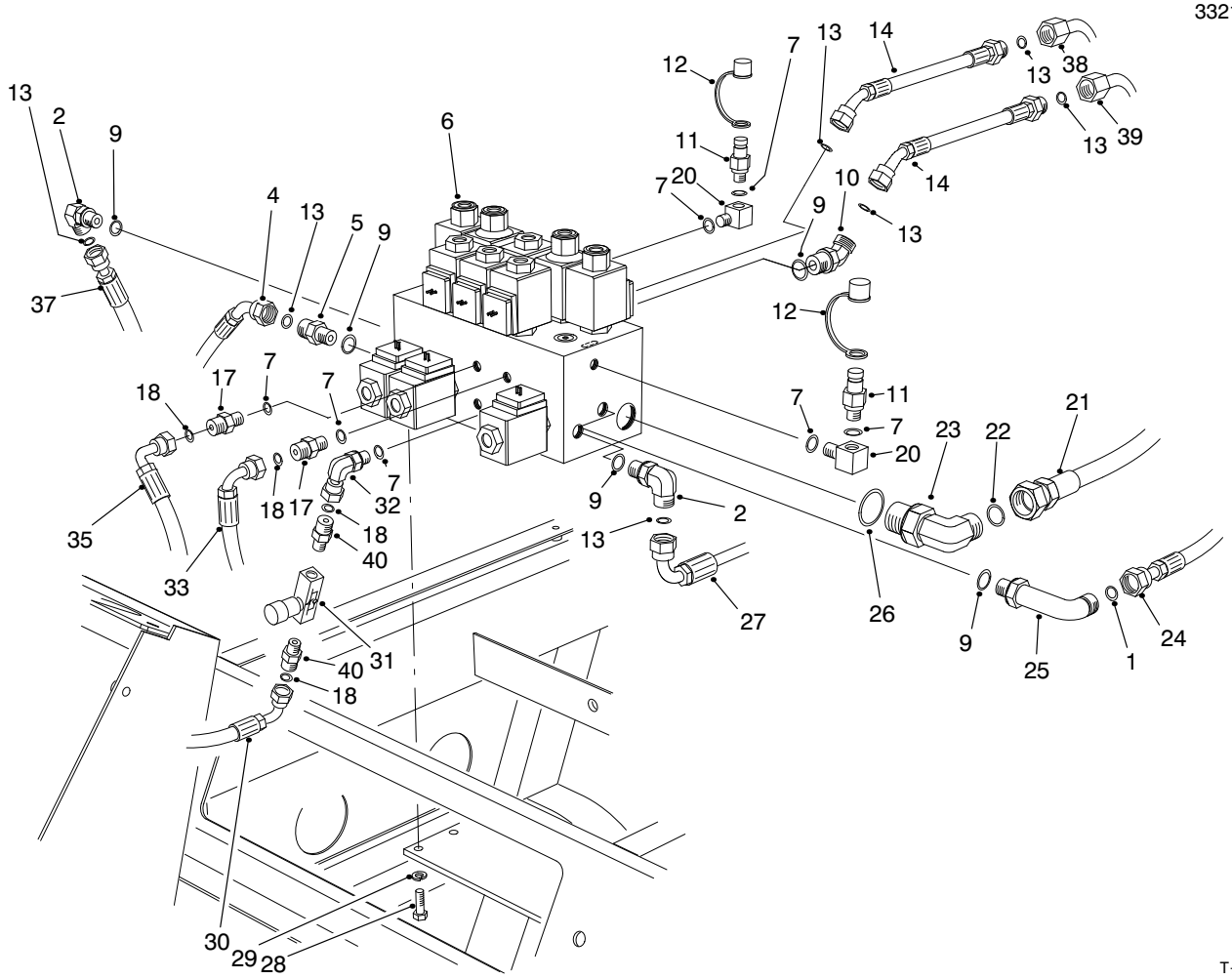


T−1048−4

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

Ref. No.	Part No.	Description	No. Used
48	94−4916	Hose Asm−Drain	1
49	237−42	O−Ring	1

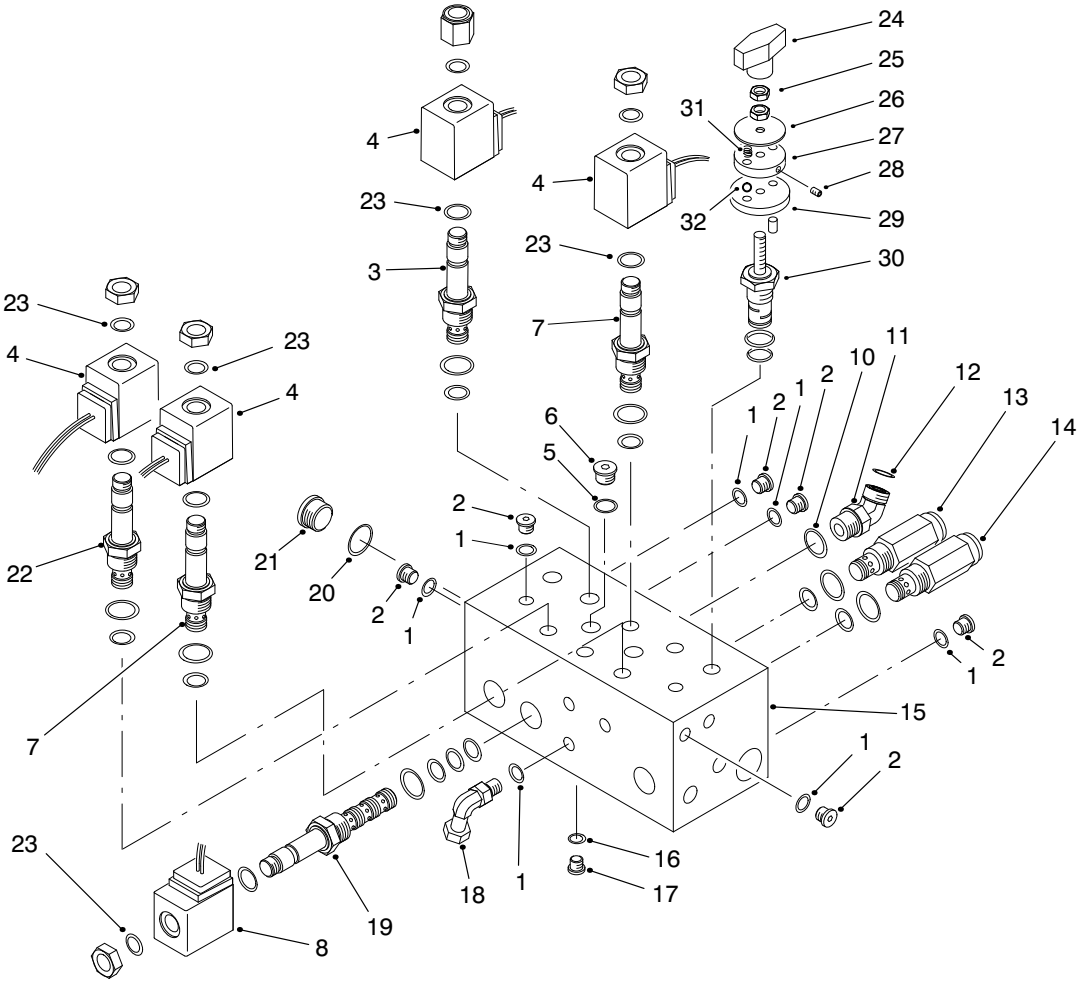


T−1094−3

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
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	94−4913	Asm−Hose, Pressure #2	1
25	93−3612	Fitting−Hydraulic 90˚ (Incl. Ref. #1 & 9)	1
26	237−81	O−Ring	1
27	94−4914	Asm−Hose, Pressure #3	1
28	322−3	Screw−HH	4
29	3253−4	Washer−Lock	4
30	75−5900	Hose−Hydraulic	1
31	82−8270	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	340−13	Fitting−Hydraulic Straight (Incl. Ref. #18)	2

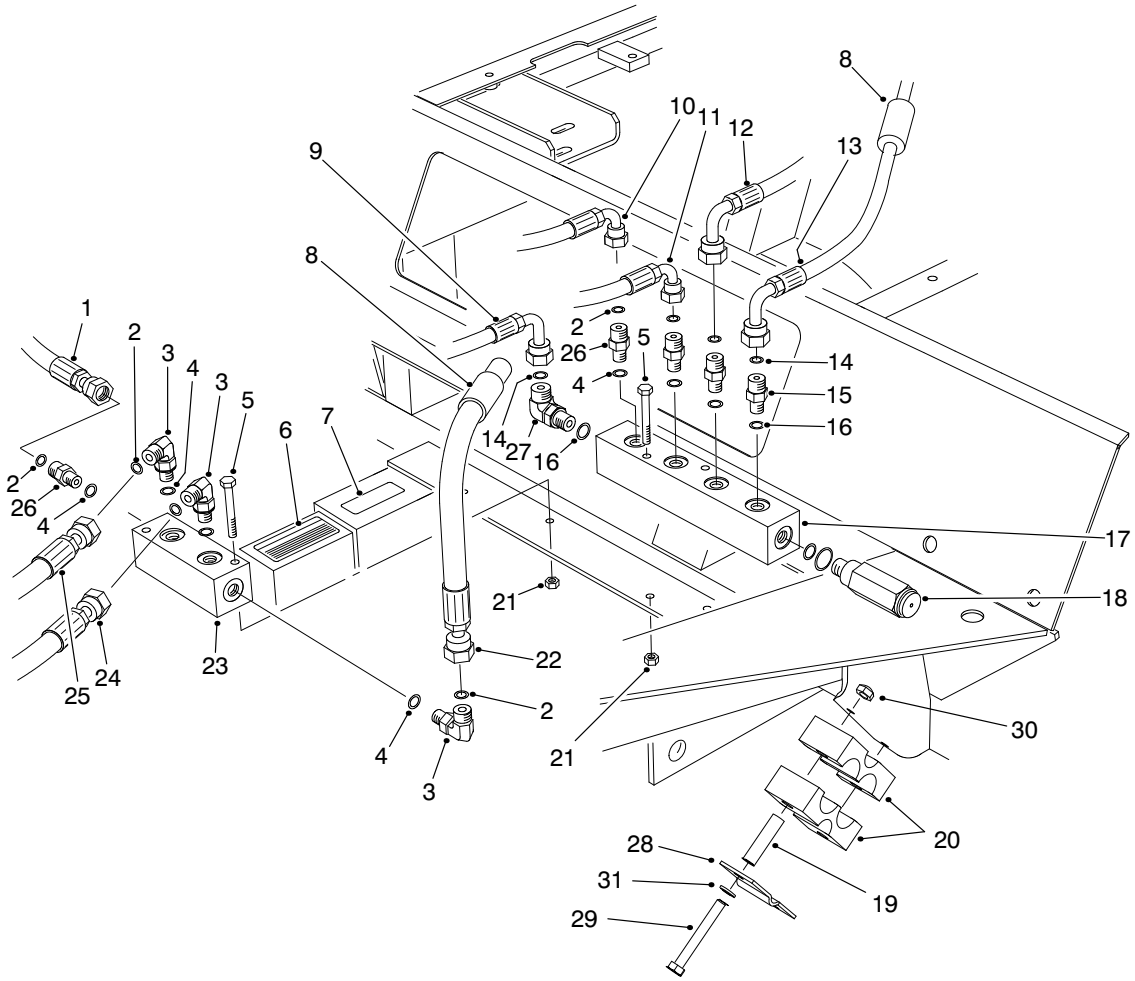


CONTROL MANIFOLD ASSEMBLY

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. (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. (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 (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. (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 Assembly Kit (Incl. Ref. #24−29, 31 & 32)	2
*	95−5645	Kit−Seal	10
*	95−5642	Kit−Seal	3

*Not Illustrated
†Not Serviceable Separately

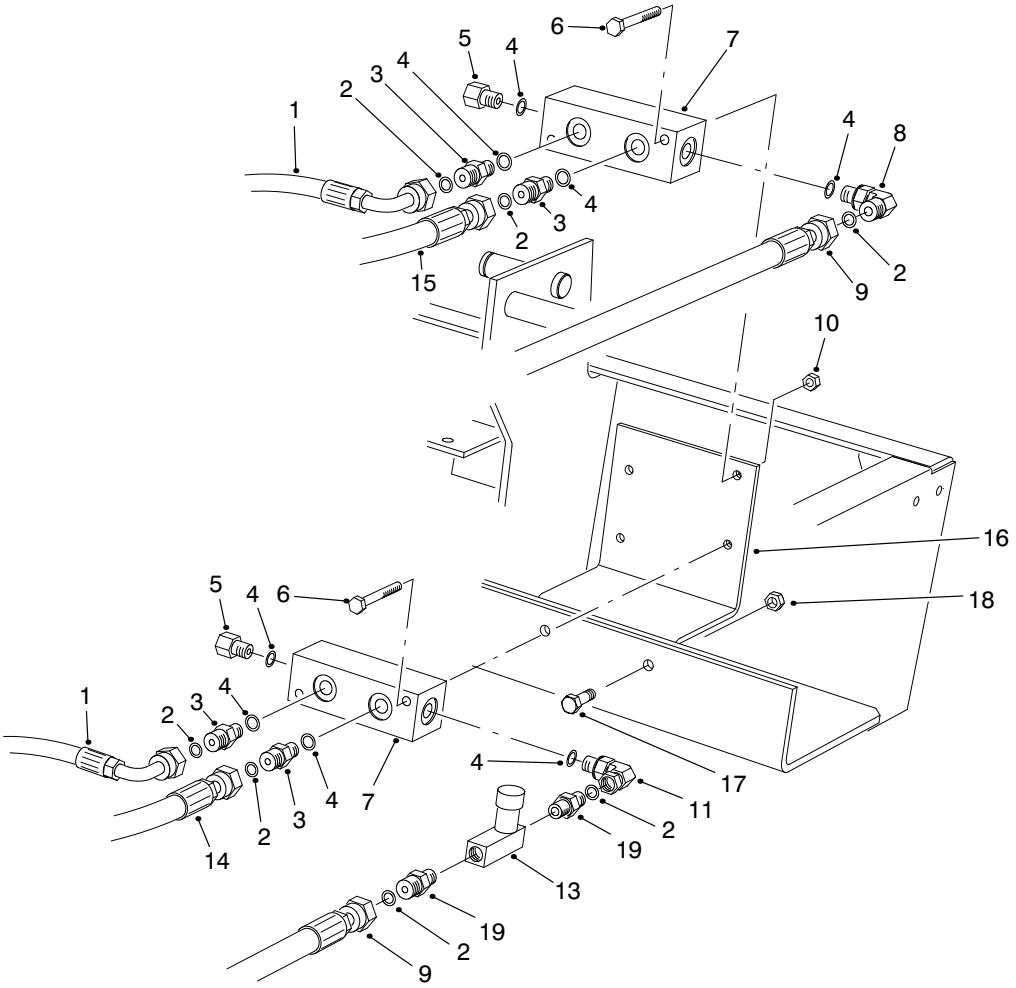


T−1058−5

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	Hose Asm−Drain #4	1
25	98−4590	Hose Asm−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

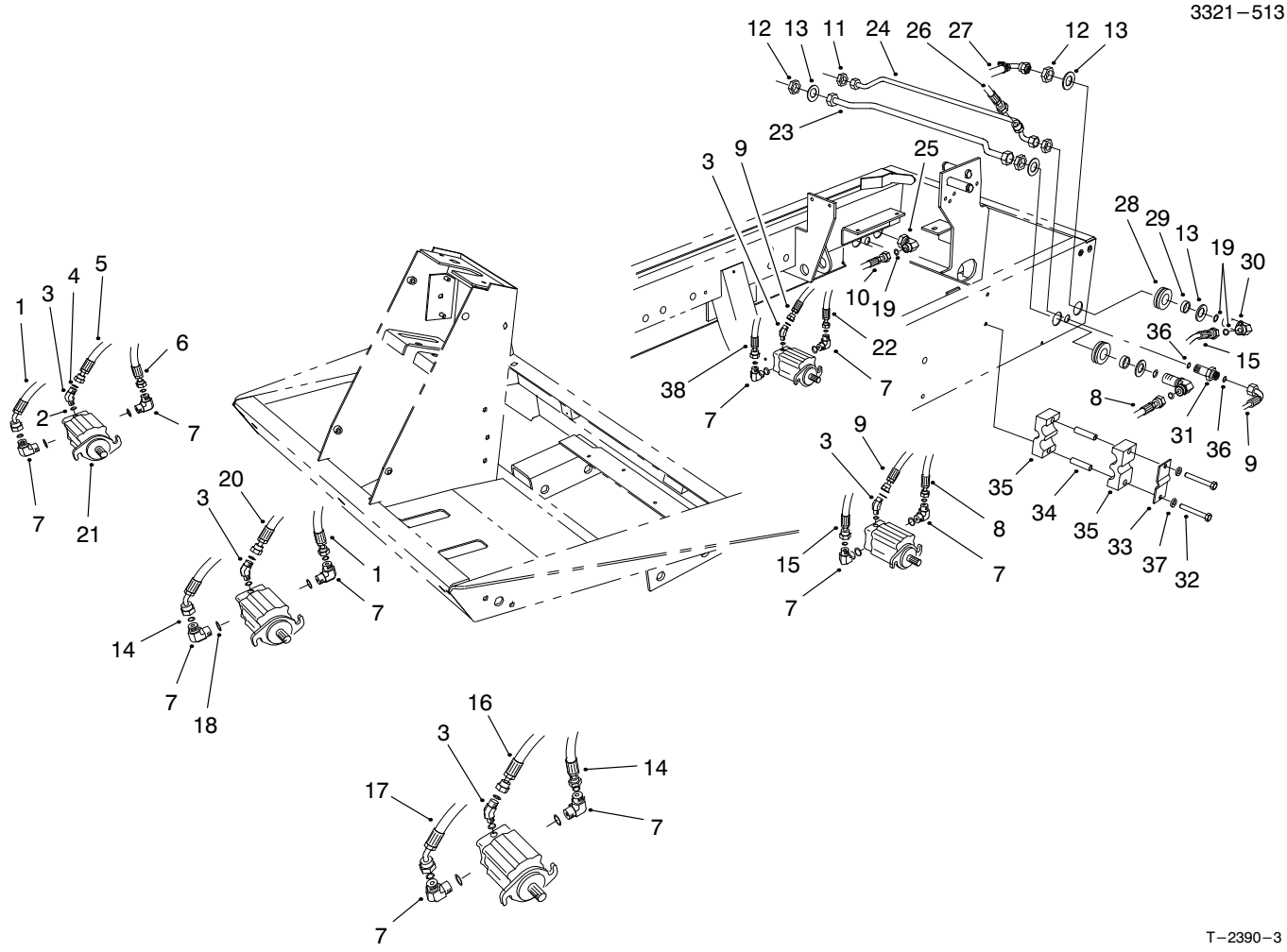


T−1095−3

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
13	82−8270	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	340−13	Fitting−Hydraulic Straight (Incl. Ref. #2)	2

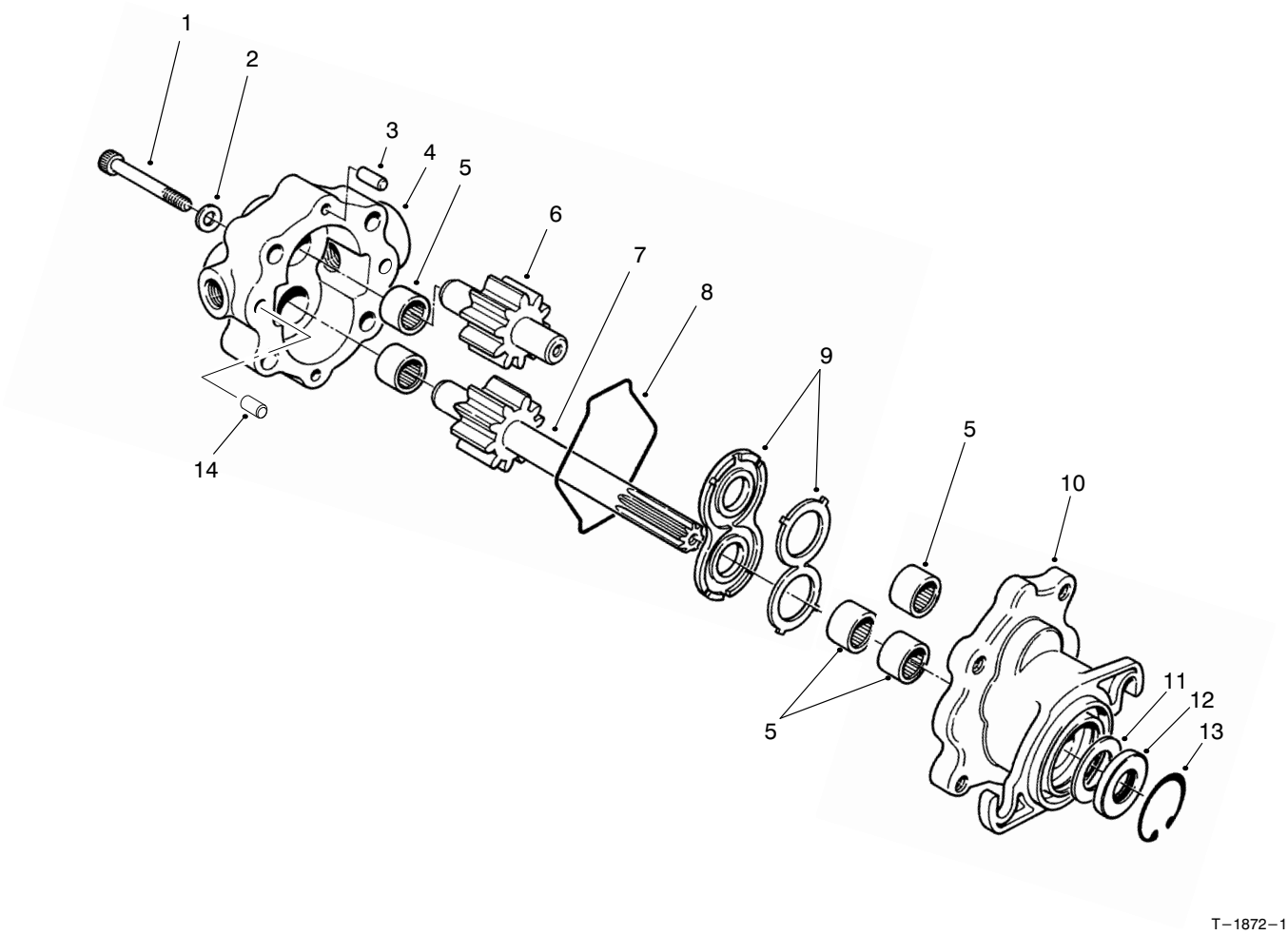


CUTTING UNIT HYDRAULIC COMPONENTS

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	94−4914	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	94−4913	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



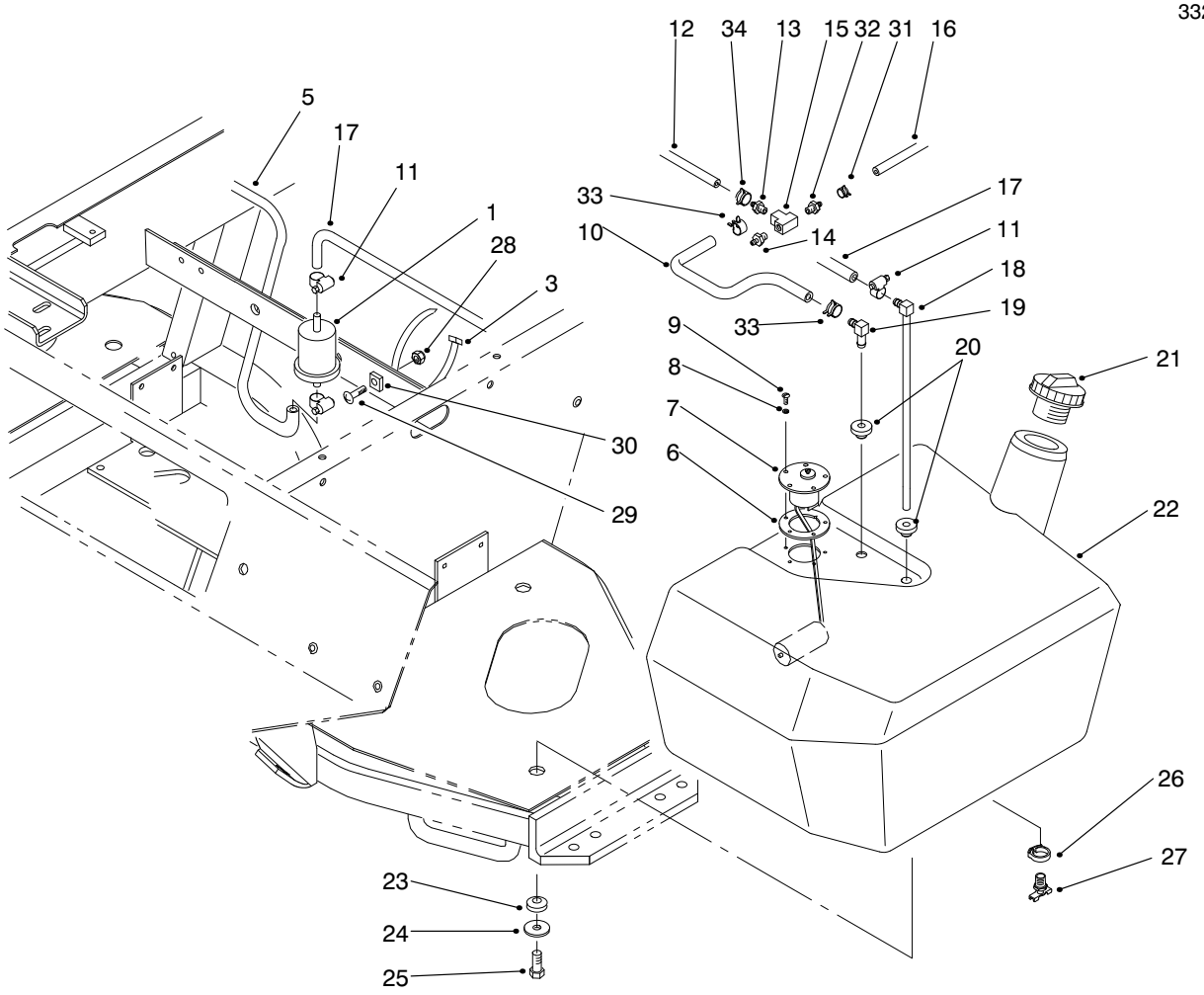
T–1872–1

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

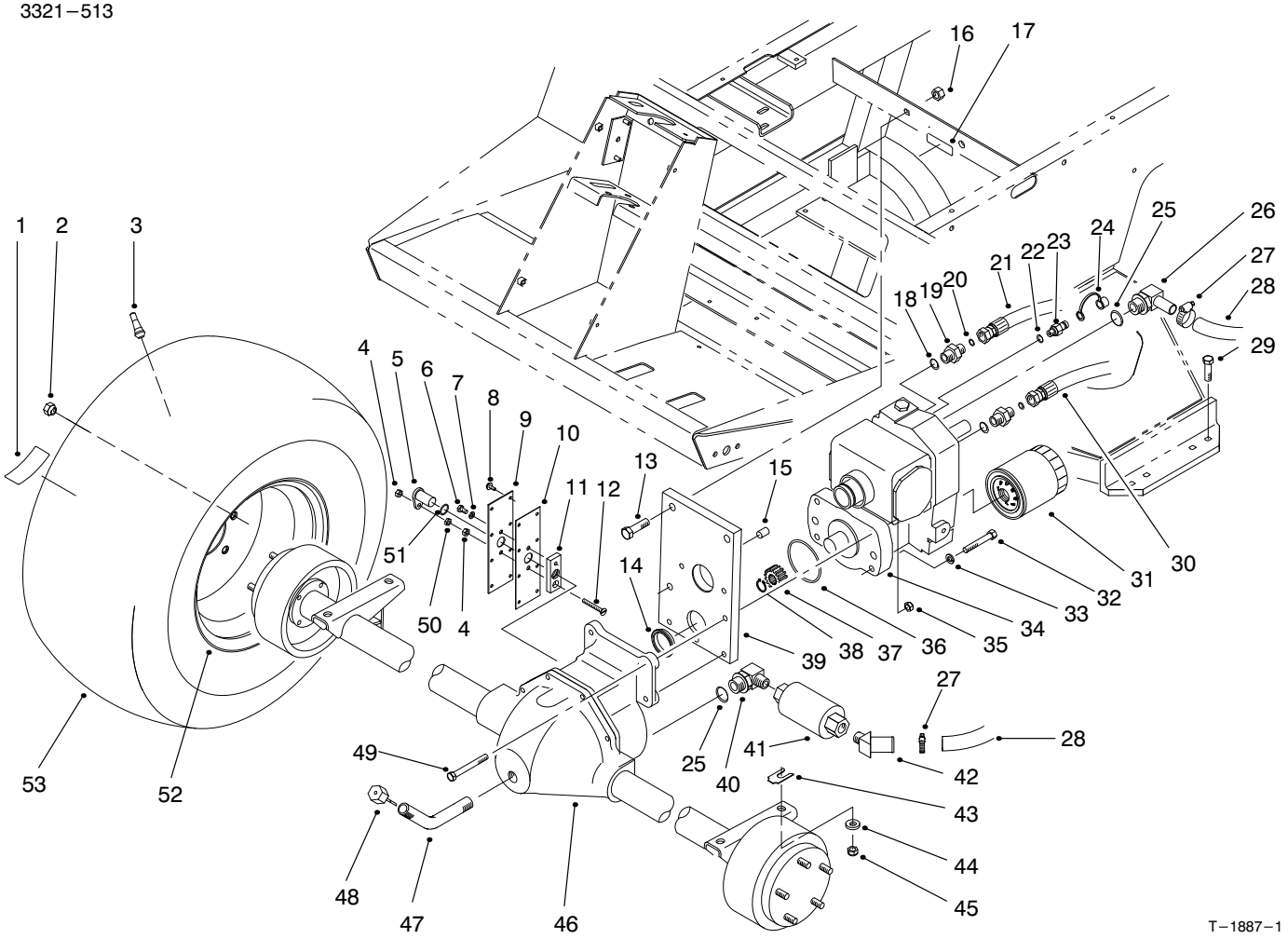


FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–7612	Filter–Fuel	1
3	3290–379	Tie–Cable	1
5	23–2140	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	63–9640	Hose–Fuel	1
18	66–8121	Standpipe–Elbow 90˚	1
19	46–6550	Connector–Fuel, Elbow 90˚	1

Ref. No.	Part No.	Description	No. Used
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	3296–42	Nut–Lock	1
29	3258–166	Screw–Round Head	1
30	3290–509	Tie–Mount	1
31	2412–98	Clamp–Hose	1
32	304–73	Fitting–Barbed	1
33	92–2379	Clamp	2
34	2412–146	Clamp–Spring	2

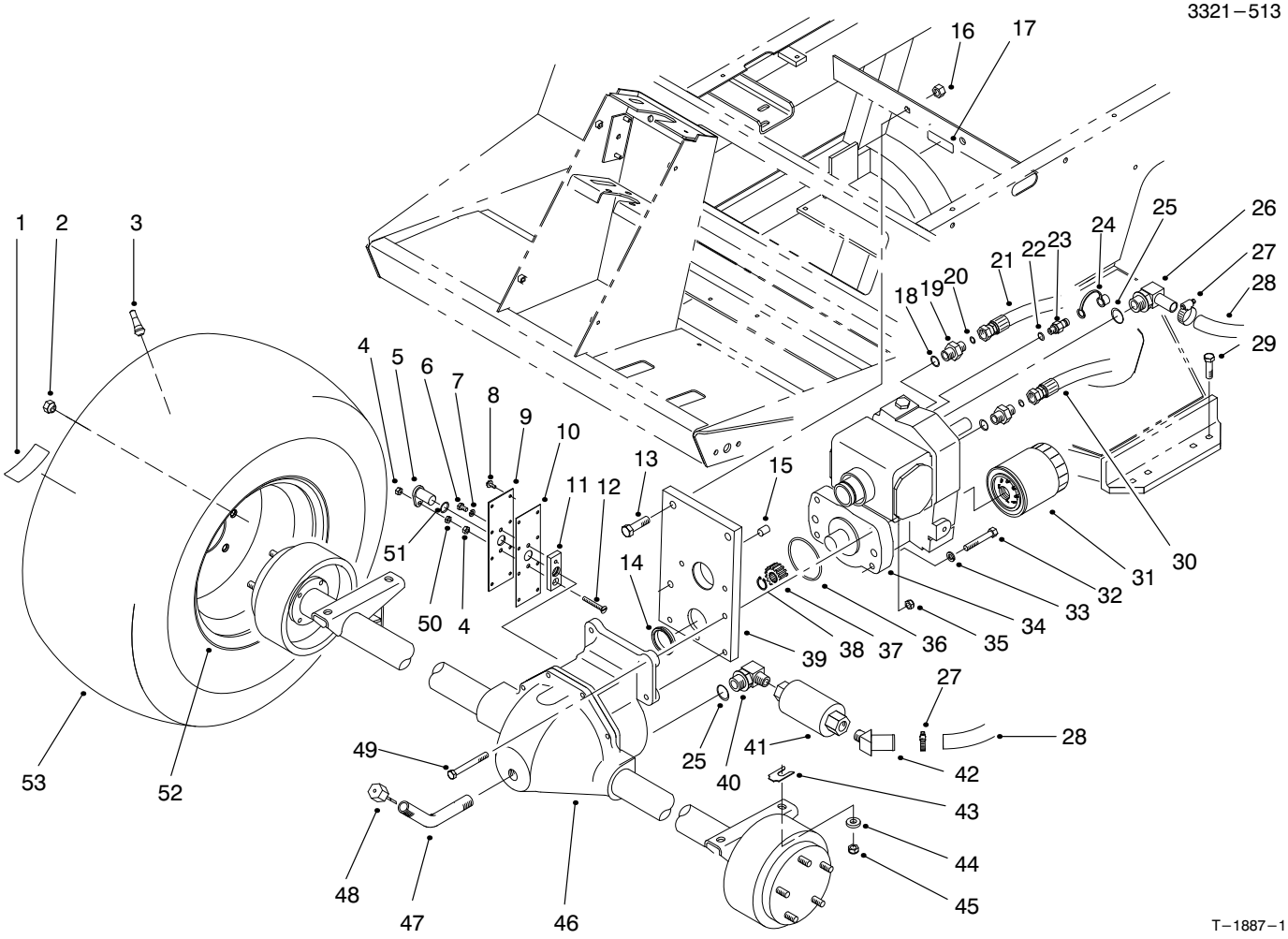
*Not Illustrated
†Not Serviced Separately



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

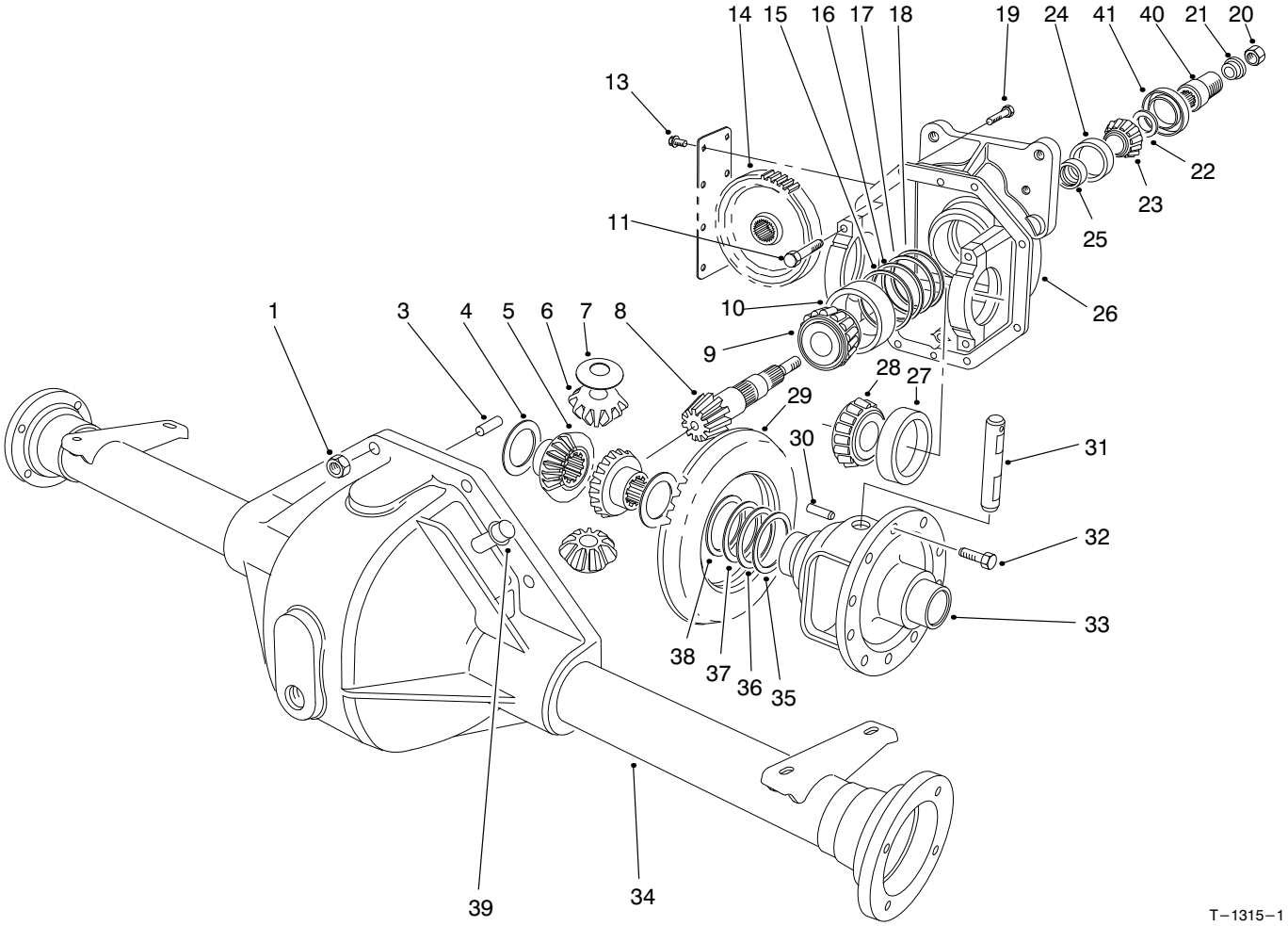
Ref. No.	Part No.	Description	No. Used
25	237–81	O–Ring	2
26	75–4720	Fitting–Hydraulic 90° (Incl. Ref. #25)	1
27	2412–129	Clamp–Hose	2
28	75–6350	Hose	1
29	324–7	Screw–HH	4
30	93–0075	Hose–Hydraulic	1
31	75–1320	Filter–Oil	1
32	323–12	Screw–HH	2
33	3253–21	Washer–Lock	2
34	75–0012	Asm–Transmission	1
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

Ref. No.	Part No.	Description	No. Used
51	237−181	O−Ring	1
52	217−120	Rim	2
53	231−134	Tire	2

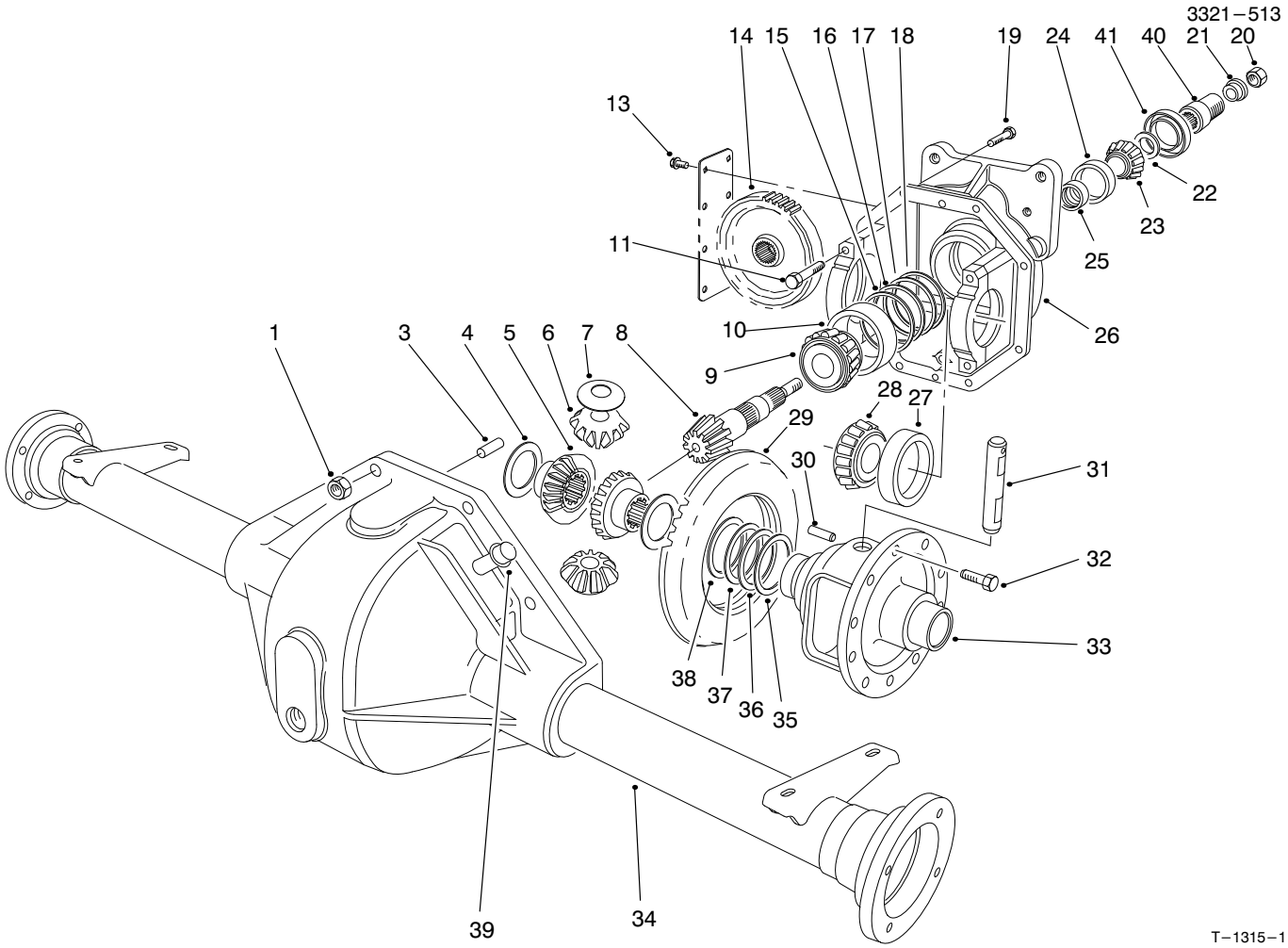


FRONT AXLE ASSEMBLY NO. 94–6933

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



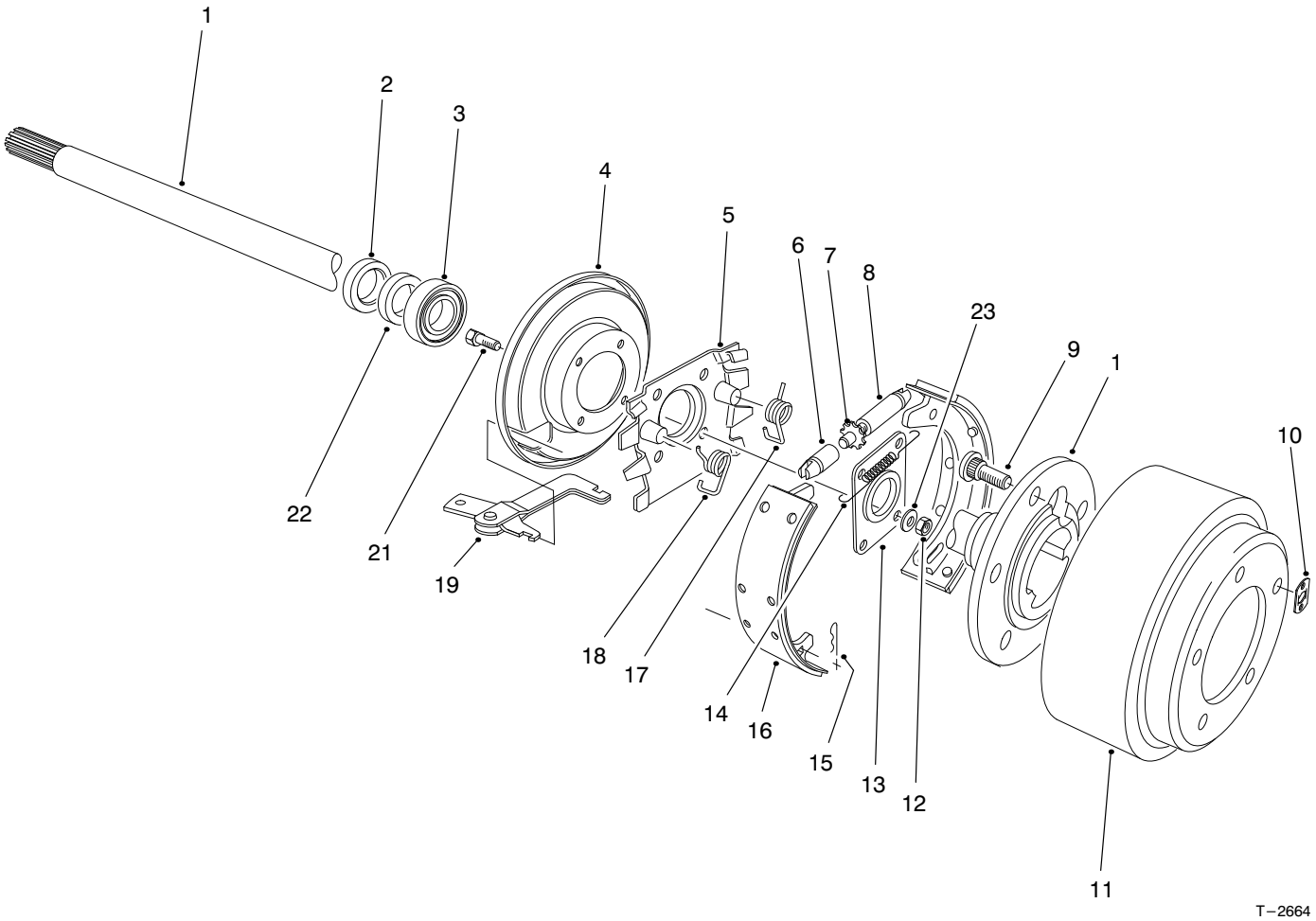
FRONT AXLE ASSEMBLY NO. 94–6933 (Continued)

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

3321–513

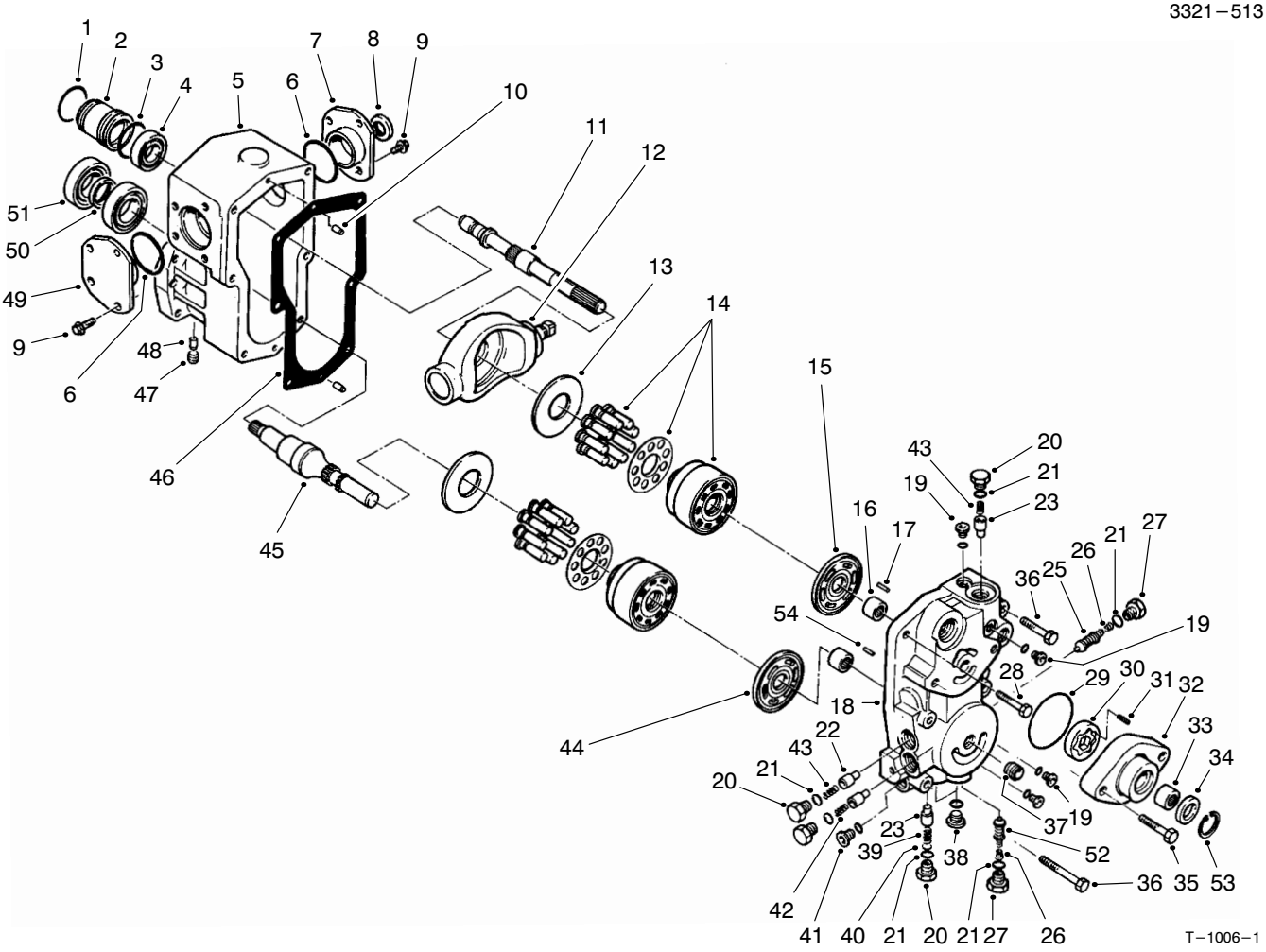


BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27–6862	Shaft–Axle, Flanged LH	1
*	27–6852	Shaft–Axle, Flanged RH	1
2	92–1774	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

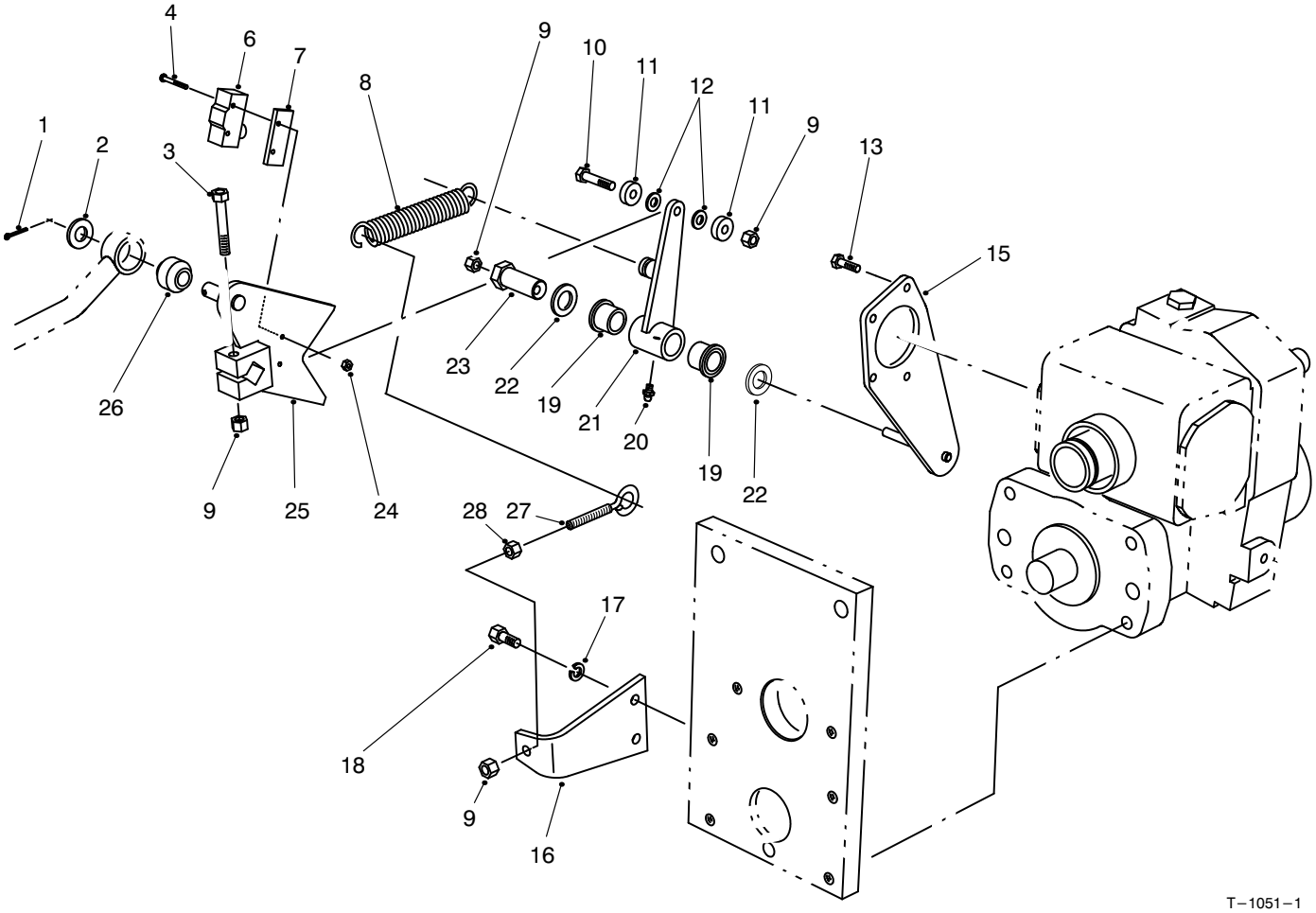


TRANSMISSION ASSEMBLY NO. 75–0012

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

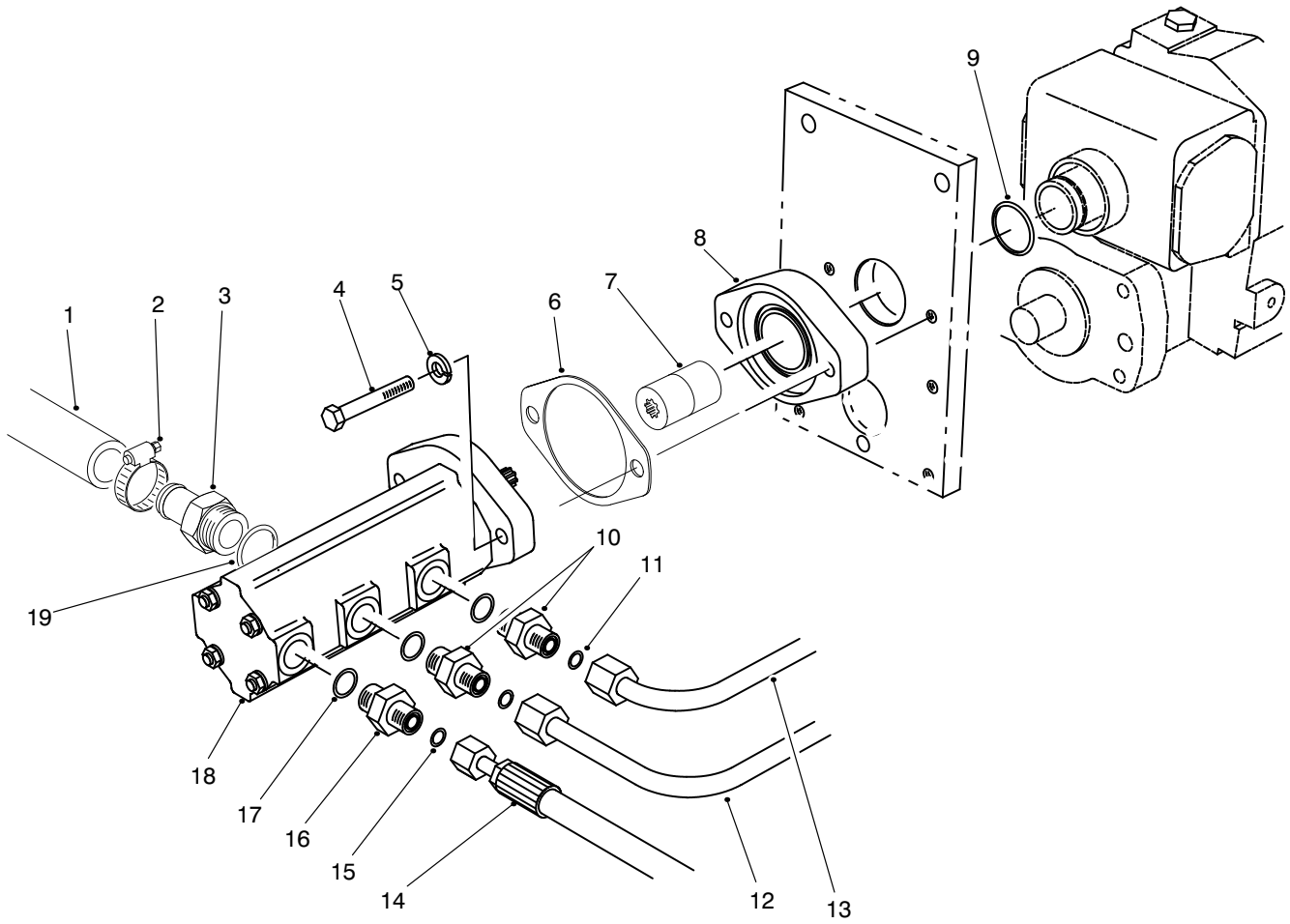
*Not Illustrated



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

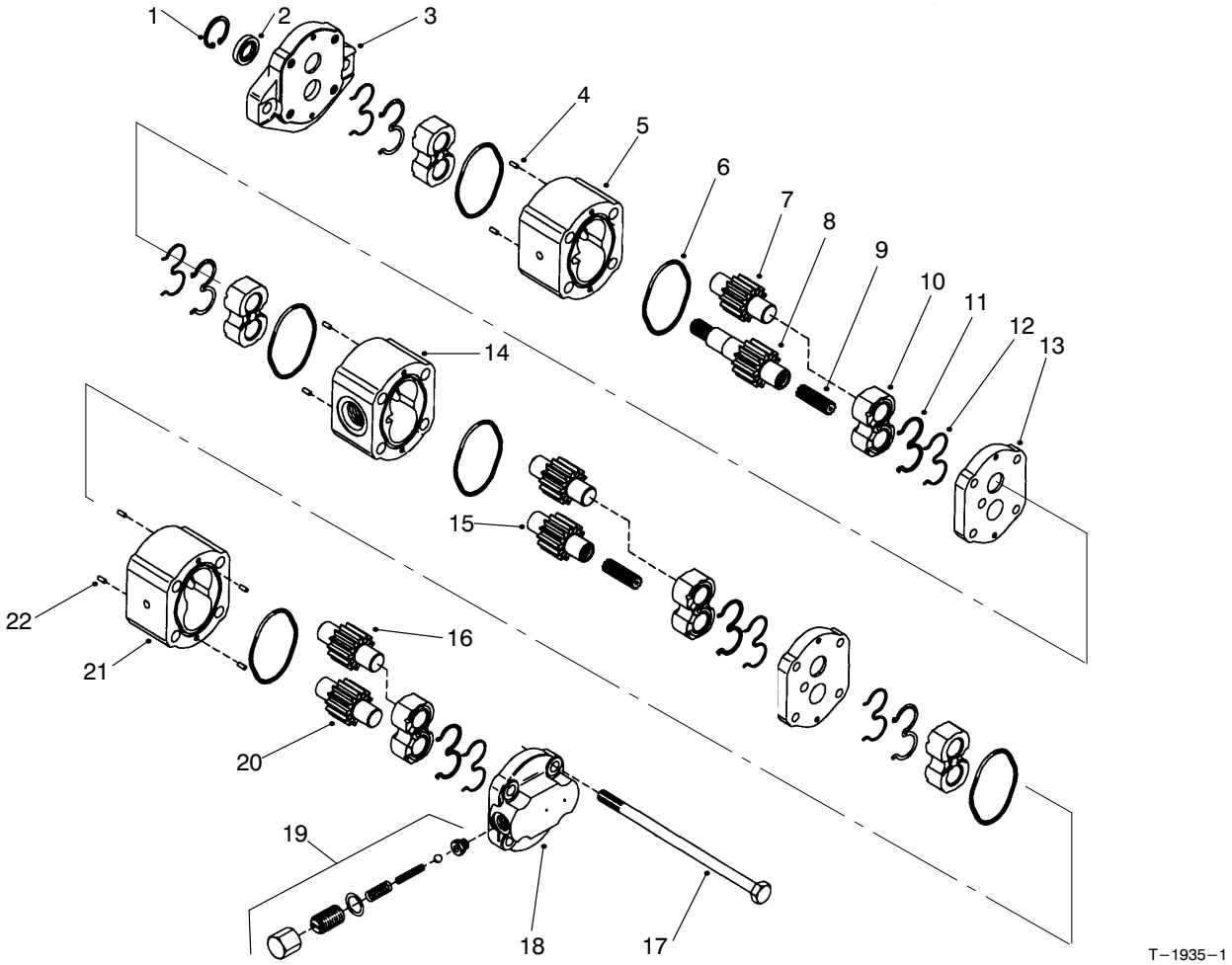


T–1928–1

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	93–1376	Asm–Pump, Gear	1
19	237–146	O–Ring	1

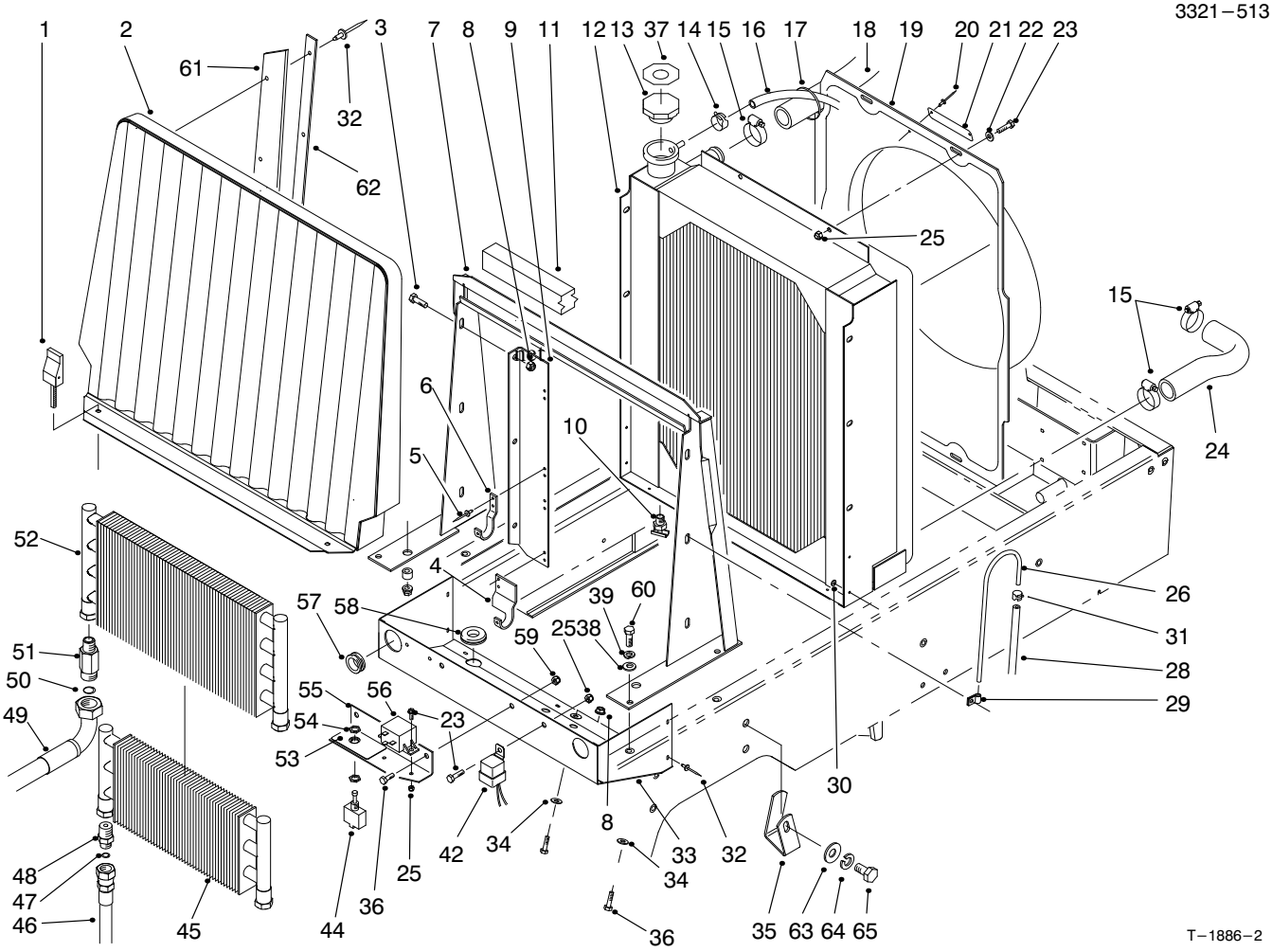


HYDRAULIC PUMP NO. 93–1376

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
*	93–4269	Kit–Housing, Section 1 (Incl. Ref. #6, 7, 10–12, 14 & 15)	1
*	93–4270	Kit–Housing, Section 2 (Incl. Ref. #5–8, & 10–12)	1
*	93–4271	Kit–Housing, Section 3 (Incl. Ref. #6,10–12, 16, & 20–21)	1
*	93–4272	Kit–Individual Pieces (Incl. Ref. #2, 6, 11, & 12)	1

*Not Illustrated

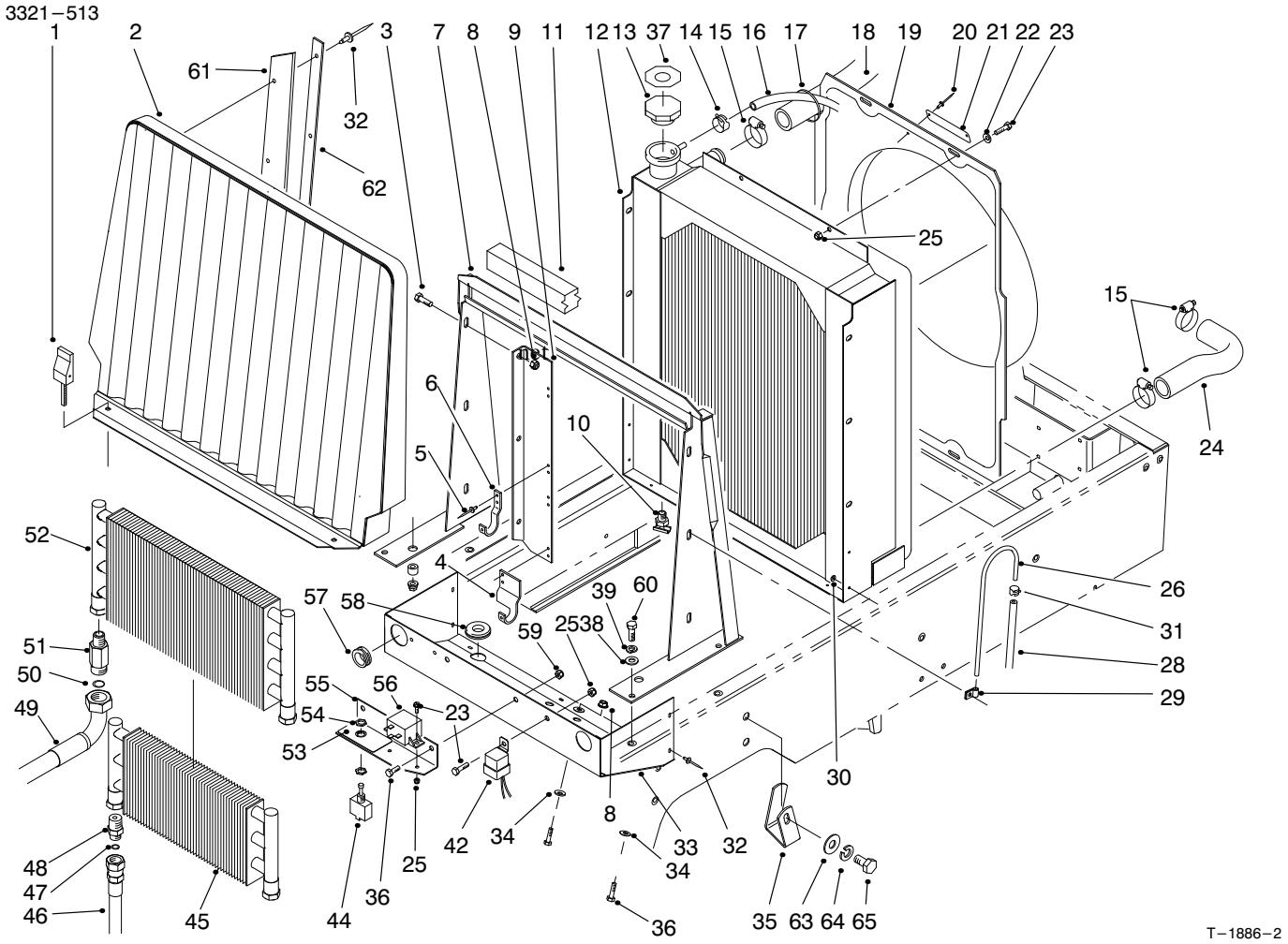


RADIATOR ASSEMBLY

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	7
31	2412−98	Clamp−Hose	1
32	3269−13	Rivet−Pop	17
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	75−1020	Switch−Backlap (Incl. Ref. #54)	1
45	24−0760	Exchanger−Heat	1

*Not Illustrated

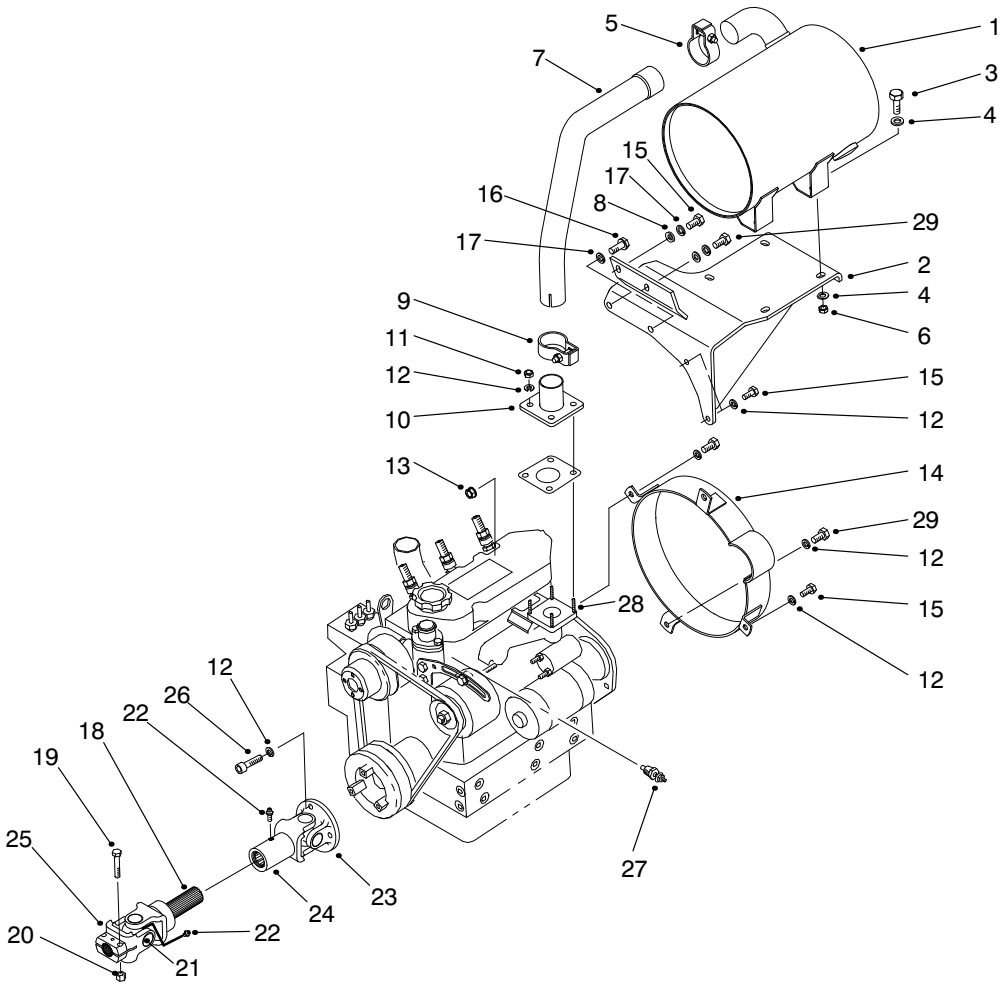


RADIATOR ASSEMBLY (Continued)

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

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



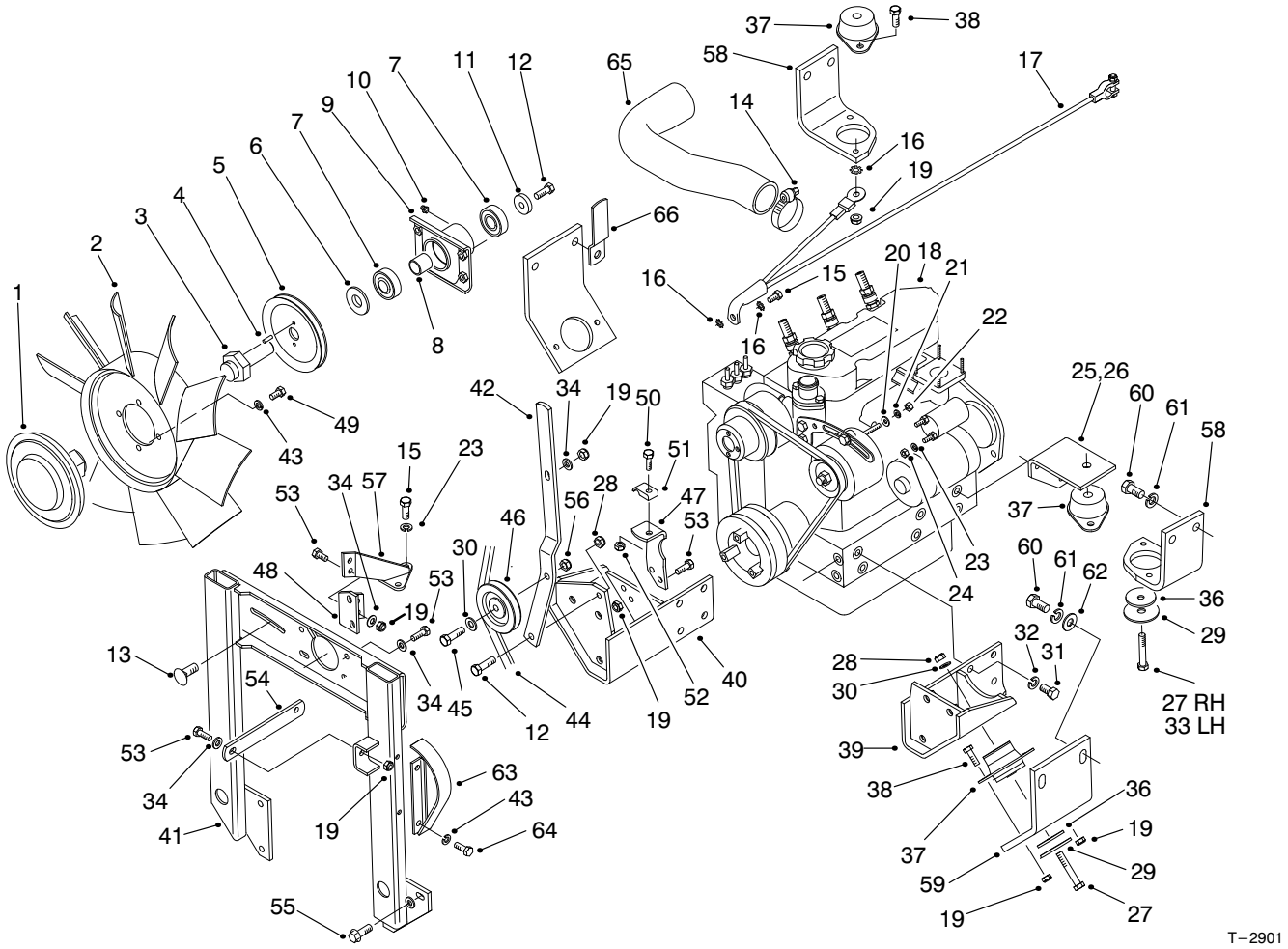
T−2900−2

MUFFLER & PUMP DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−4516	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	98−4523	Tube−Exhaust	1
8	33095−00	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	1
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	Send−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

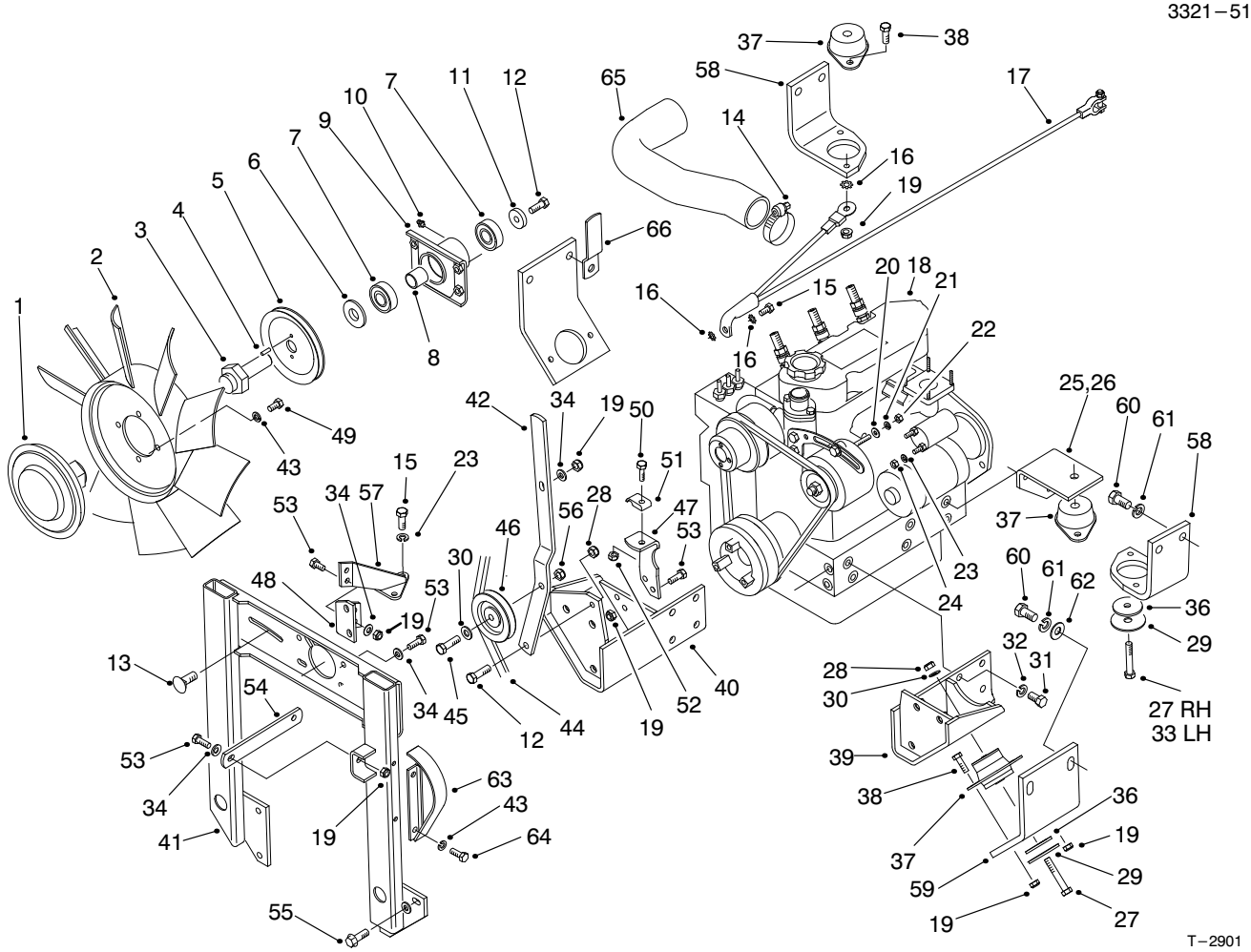
*Not Illustrated



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	3
17	98−4598	Cable−Battery (Ground)	1
18	98−9300	Asm−Engine	1
19	3296−29	Nut−Lock	14
20	3256−78	Washer−Flat	1
21	43−5930	Washer−Lock	1
22	48−7890	Nut−Hex.	1
23	42−9850	Washer−Lock	3

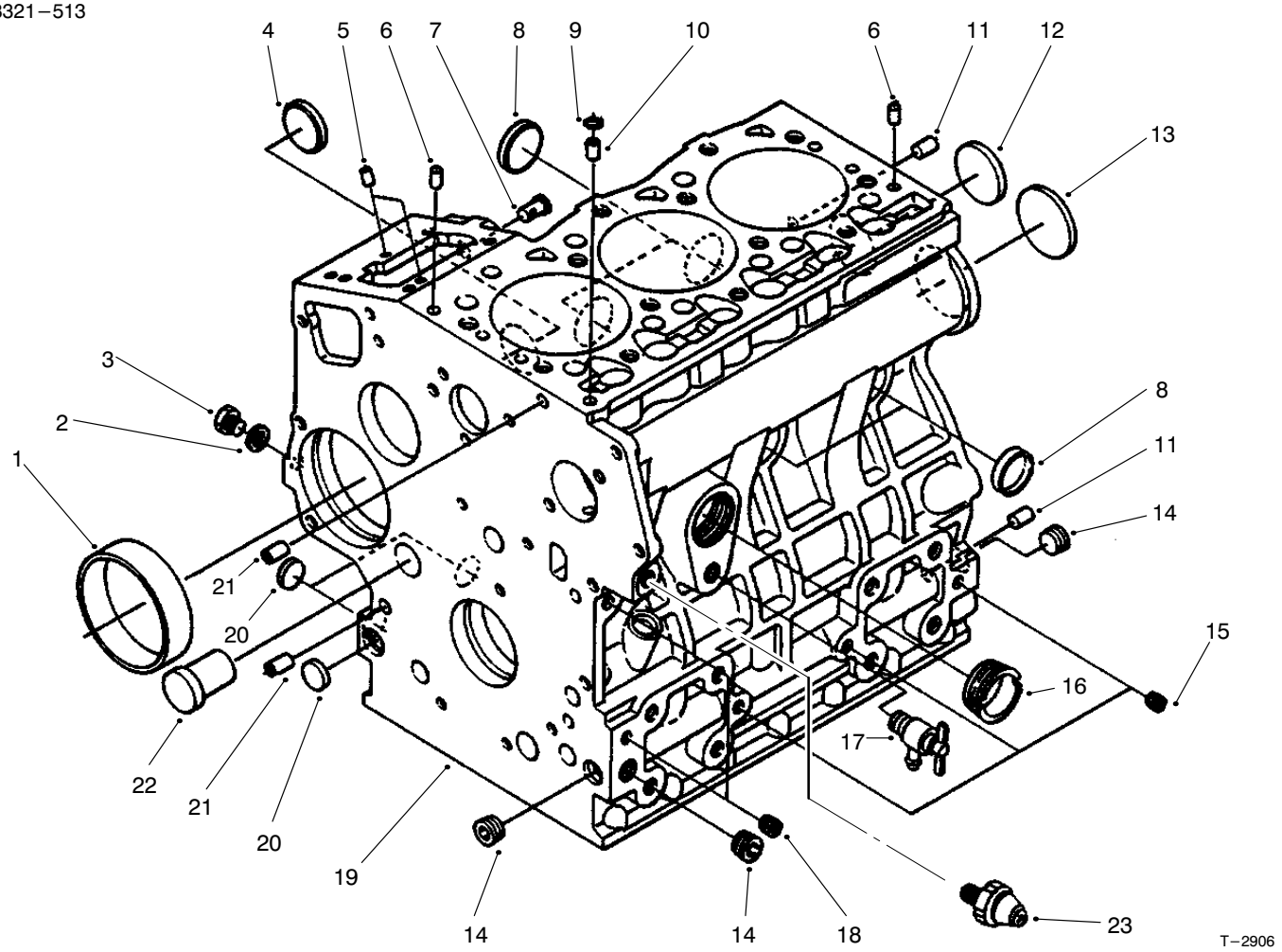
Ref. No.	Part No.	Description	No. Used
24	57−6390	Nut−Lock	1
25	98−4515	Bracket−Engine LH Rear	1
26	94−4514	Bracket−Engine RH Rear	1
27	323−12	Screw−HH RH	3
28	3296−39	Nut−Lock	4
29	87−5100	Washer−Snubbing	4
30	3256−24	Washer−Flat	5
31	43−0090	Screw−HH	14
32	42−9600	Washer−Lock	14
33	323−10	Screw−HH LH	1
34	3256−23	Washer−Flat	8
35	33114−016	Screw−HH	2
36	98−4596	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	323−7	Screw−HH	1
46	63−8140	Pulley−Idler	1



ENGINE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
47	98−4560	Bracket−Mount, Throttle	1
48	98−4577	Bracket−Support, Fan	1
49	322−2	Screw−HH	4
50	321−4	Screw−HH	1
51	3−6657	Clamp−Cable	1
52	3296−42	Nut−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

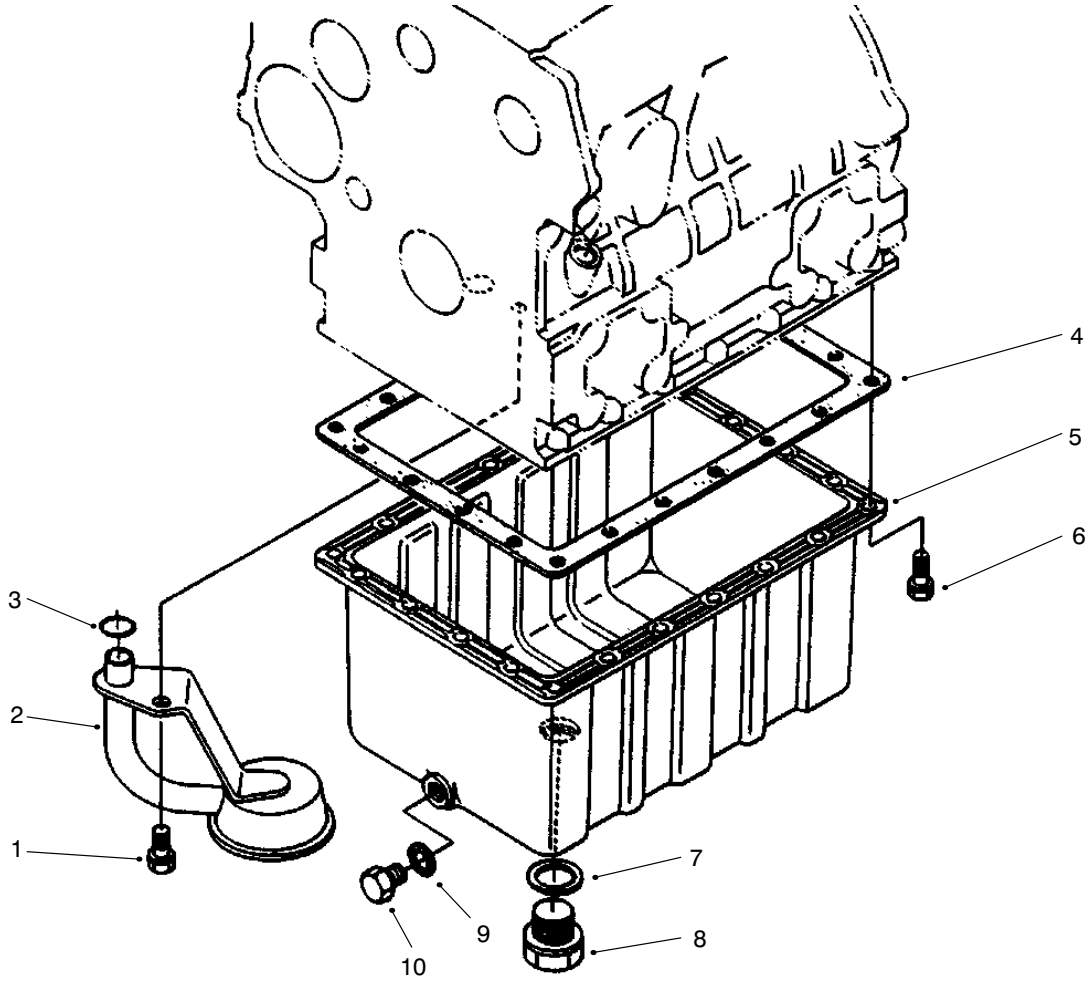
Ref. No.	Part No.	Description	No. Used
57	98−9333	Bracket−Mount, Fan	1
58	98−4513	Bracket−Eng. Left Rear	2
59	93−0095	Bracket−Eng. Front	2
60	3213−2	Screw−HH	8
61	3253−7	Washer−Lock	8
62	3256−40	Washer−Flat	4
63	98−4561	Shield−Alternator	1
64	32144−14	Screw−HH	2
65	98−4510	Hose−Air Cleaner	1
66	98−4594	Clamp−Retainer	1



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	98−7509	O−Ring	1
10	98−9539	Pin−Pipe	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

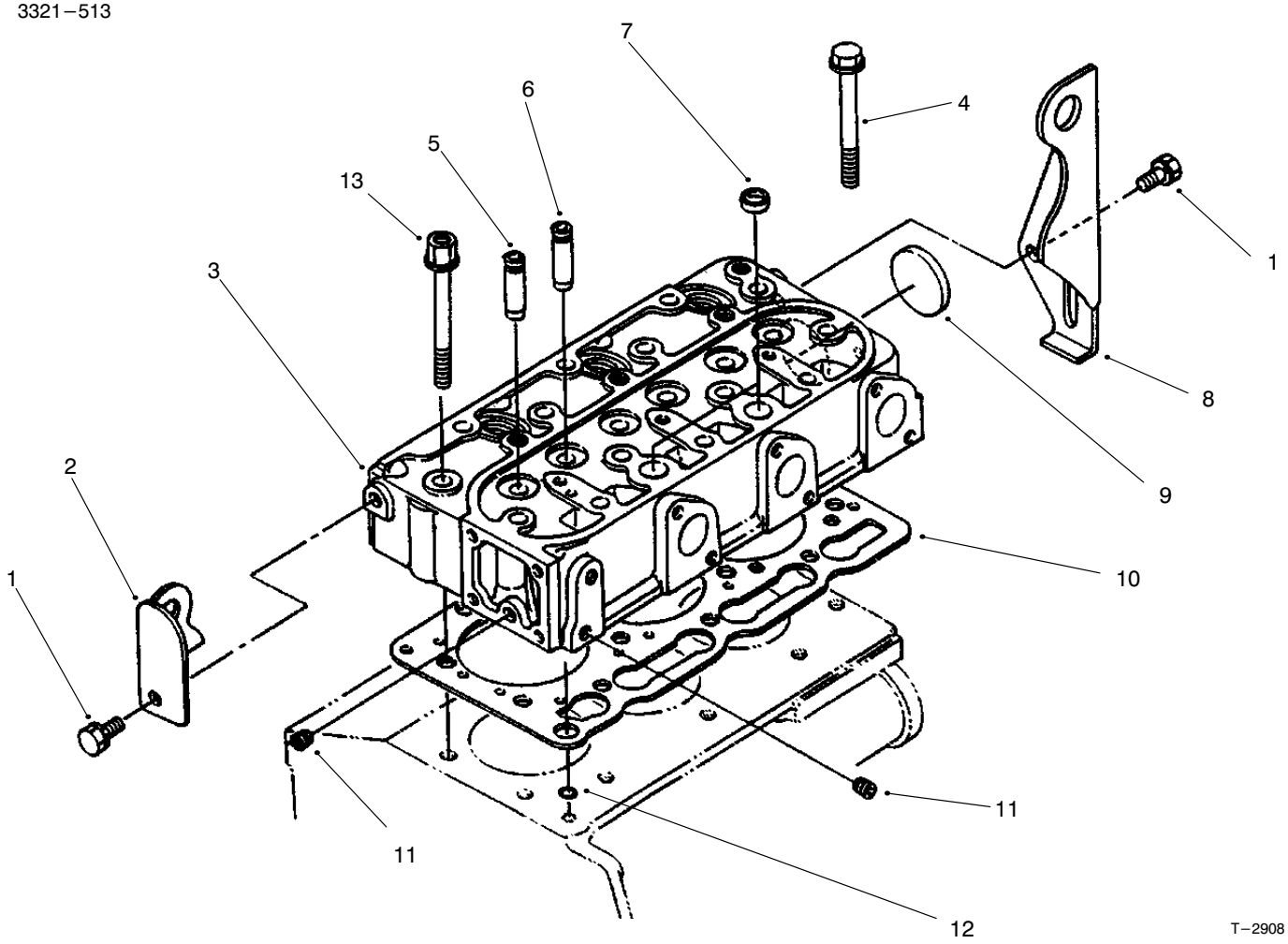


T−2907

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

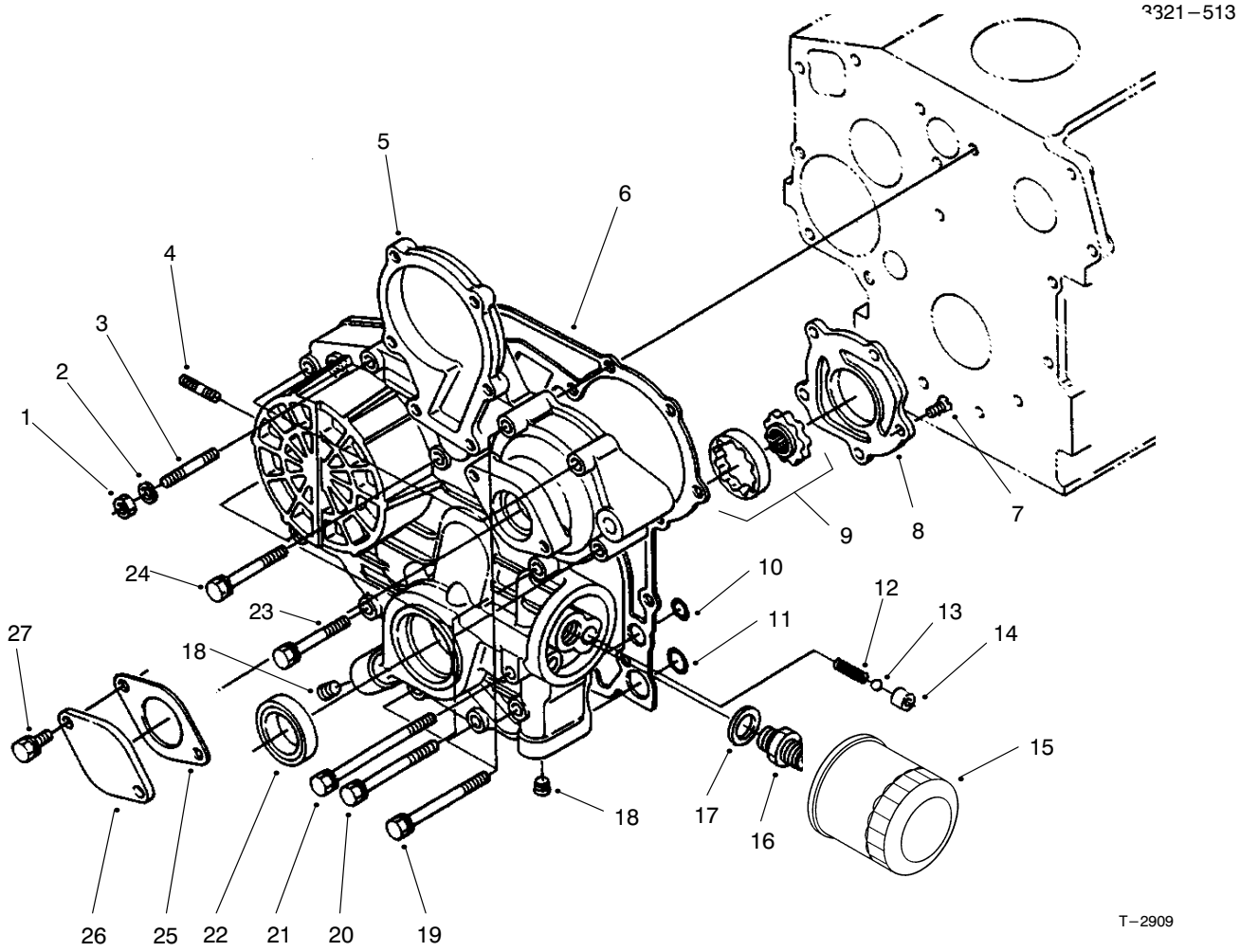
Ref. No.	Part No.	Description	No. Used
6	98−9350	Bolt	22
7	98−9399	Gasket	1
8	98−7523	Plug−Drain	1
9	98−7524	Gasket	1
10	98−9386	Plug	1



CYLINDER HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−7585	Bolt	2
2	98−9477	Hook−Engine	1
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

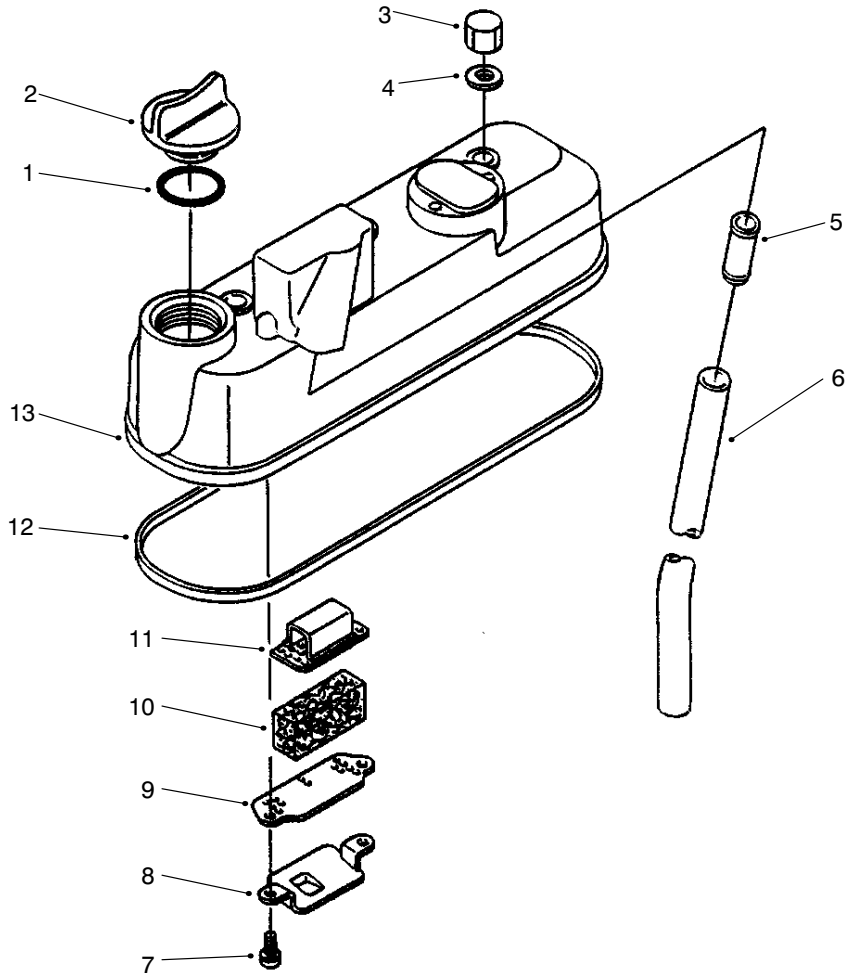
Ref. No.	Part No.	Description	No. Used
7	98−9389	Cap−Sealing	2
8	98−9478	Hook−Engine	1
9	98−9395	Cap−Sealing	1
10	98−9605	Gasket−Cylinder Head	1
11	98−7540	Plug	2
12	98−7509	O−Ring	1
13	98−9647	Bolt−Cylinder Head	2



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	98–9651	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

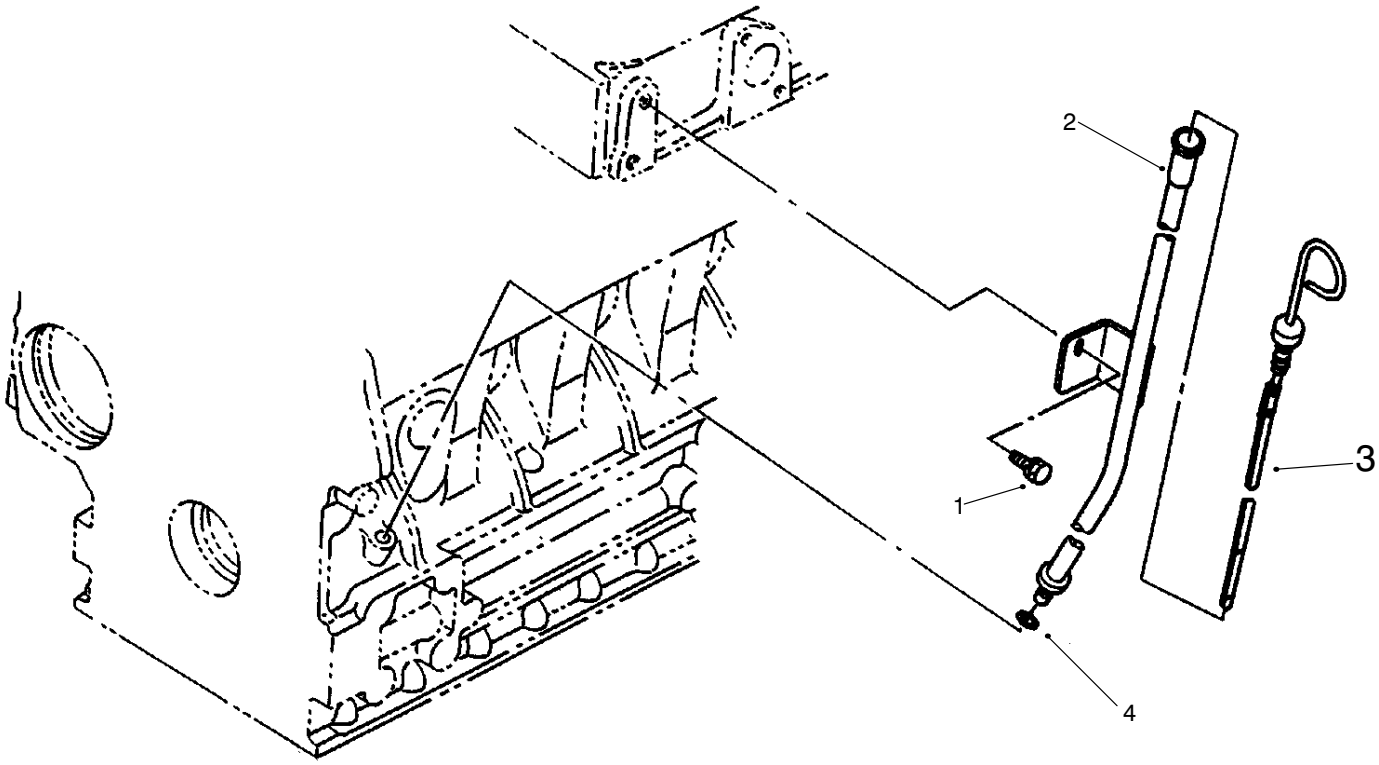


T–2910

HEAD COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–7430	O–Ring	1
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

Ref. No.	Part No.	Description	No. Used
8	98–9490	Oil Shield–Breather	1
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



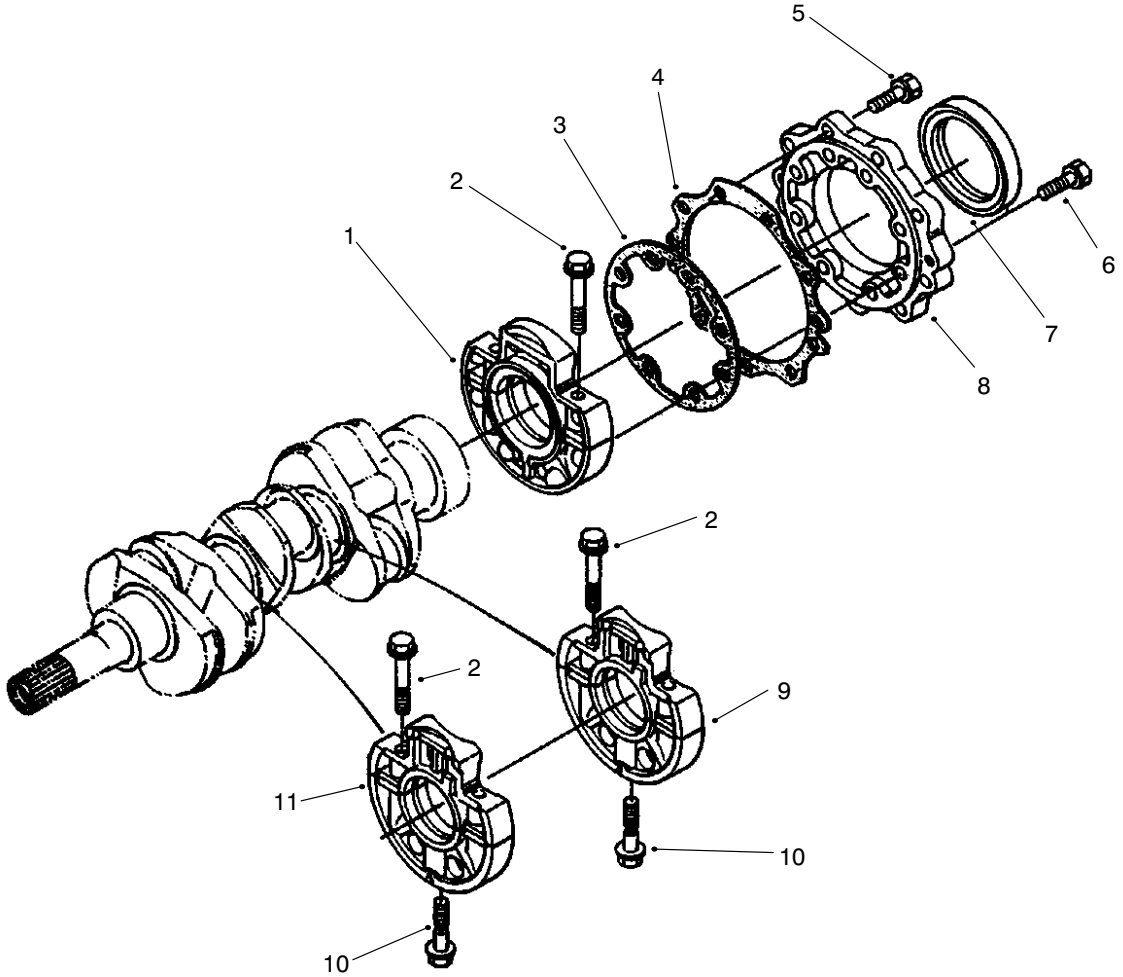
T−2911

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. #2 & 4)	1

*Not Illustrated

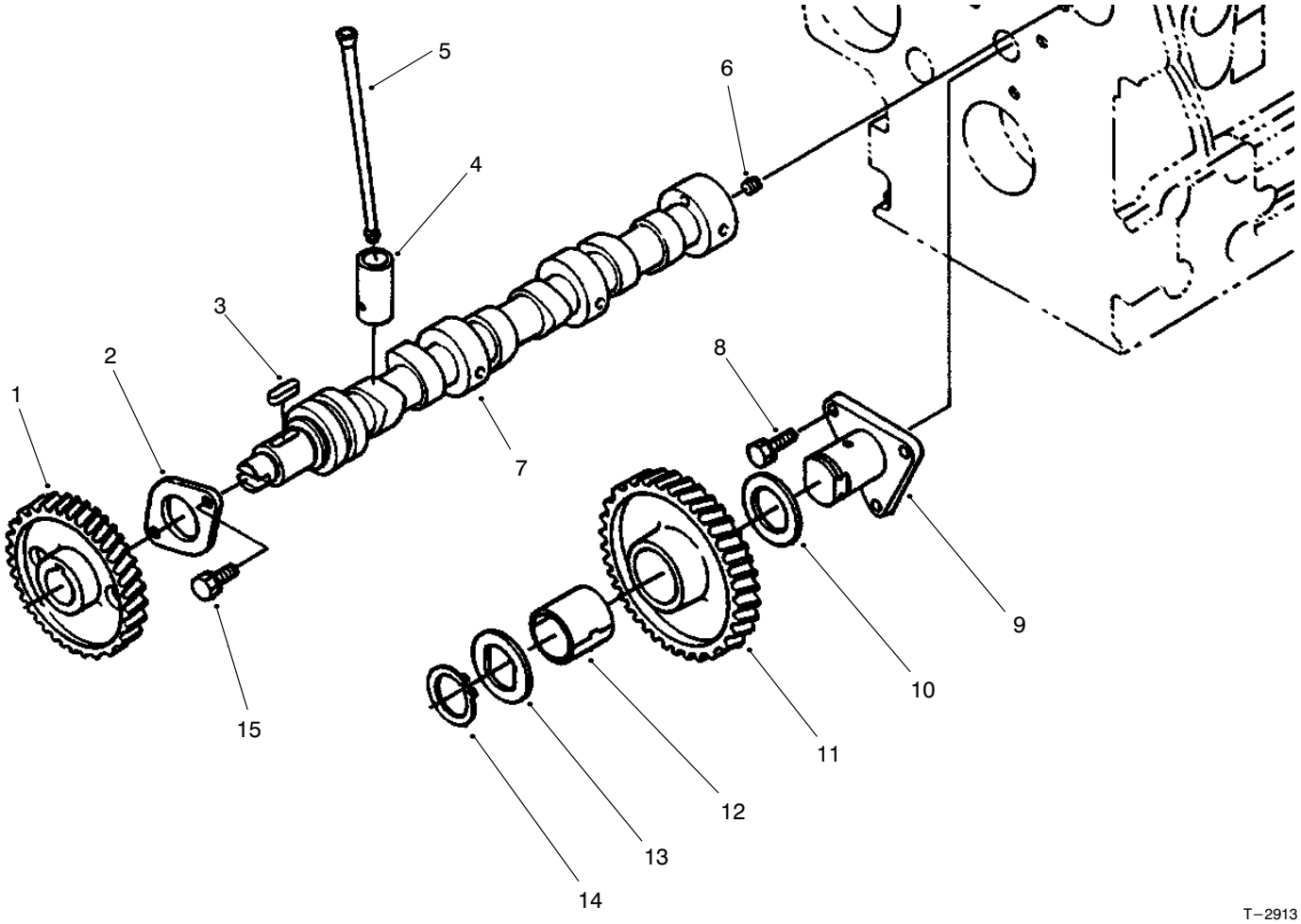


T−2912

MAIN BEARING CASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9480	Asm−Case, Main Bearing (Incl. Ref. #2)	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 (Incl. Ref. #2 & 10)	1
10	98−9485	Bolt−Bearing Case	2
11	98−9606	Asm−Case, Main Bearing (Incl. Ref. #2 &10)	1

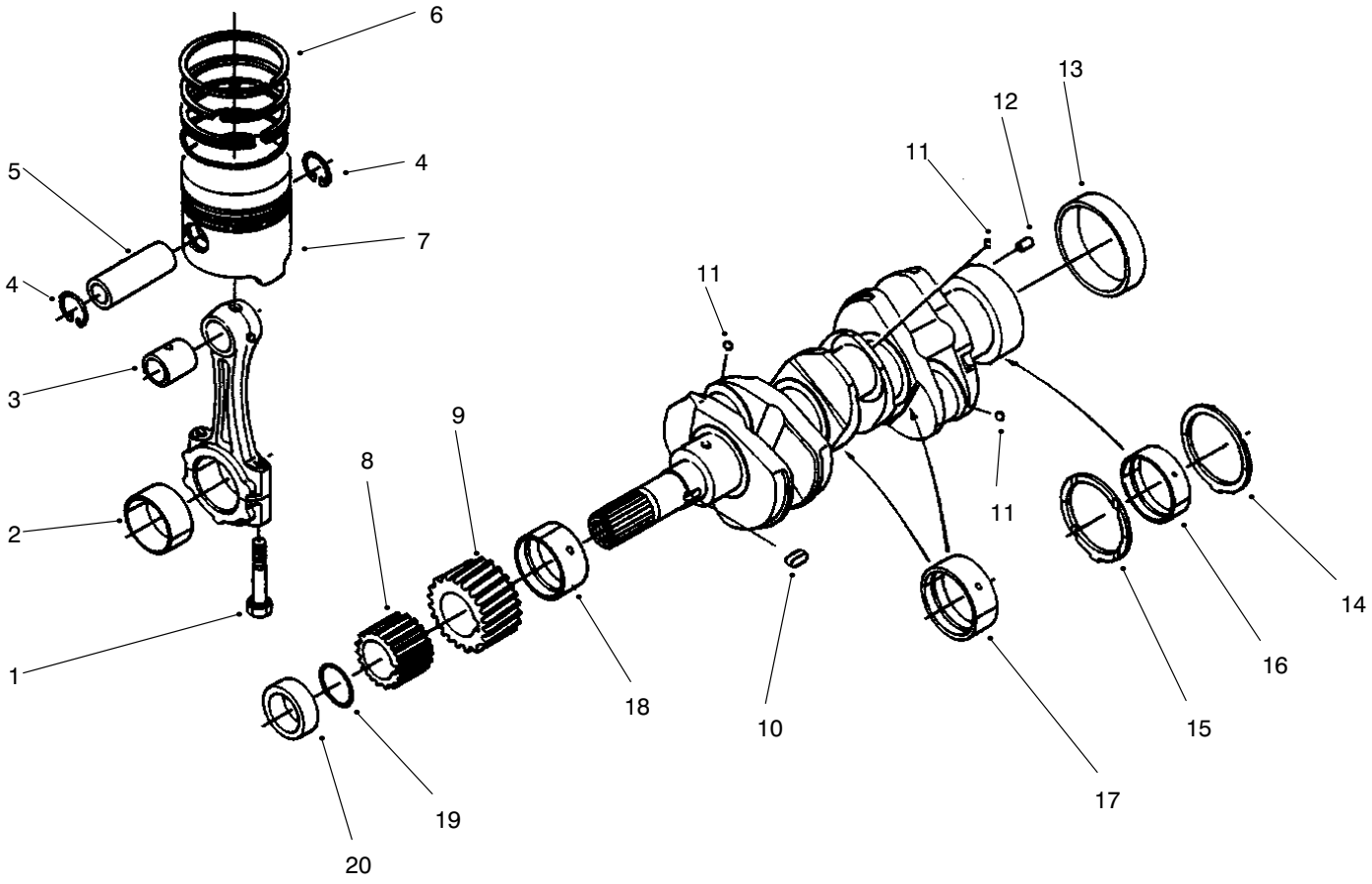


CAMSHAFT ASSEMBLY

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. #8−14)	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

3321−513

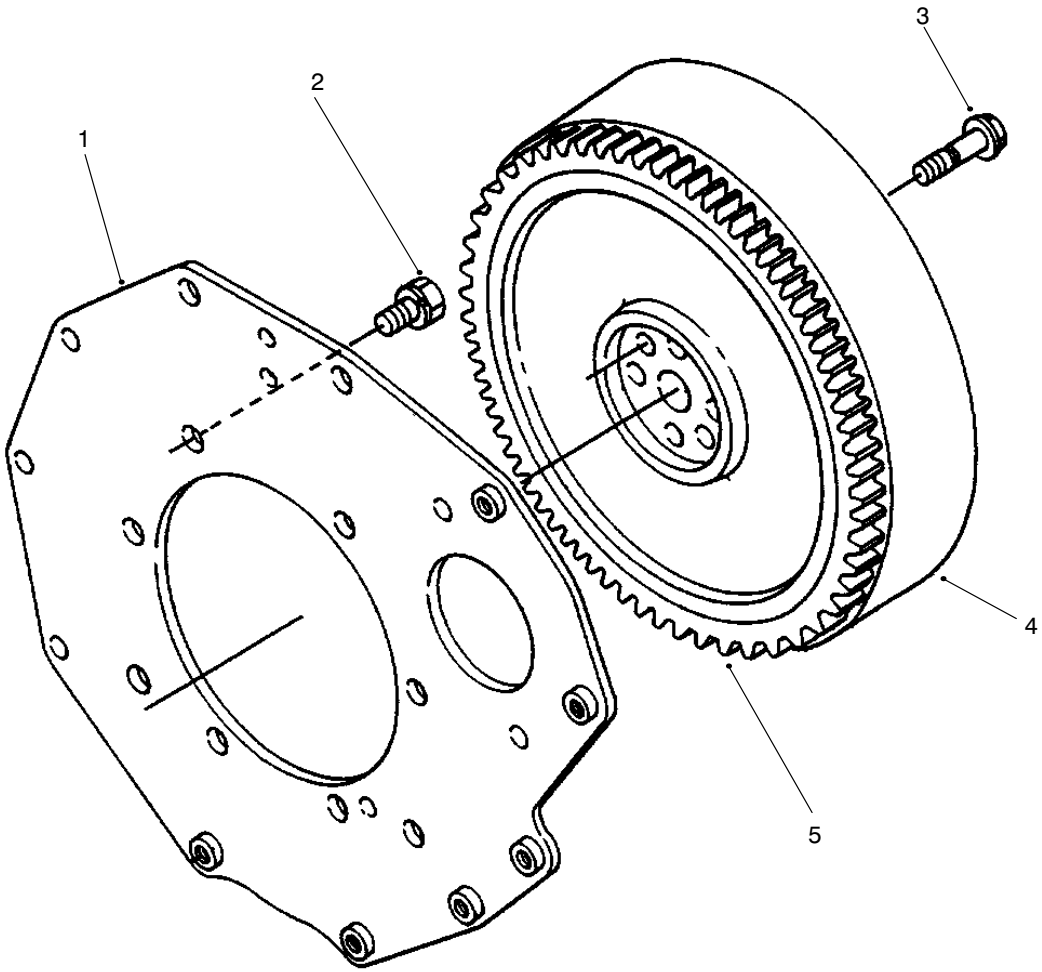


T−2914

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

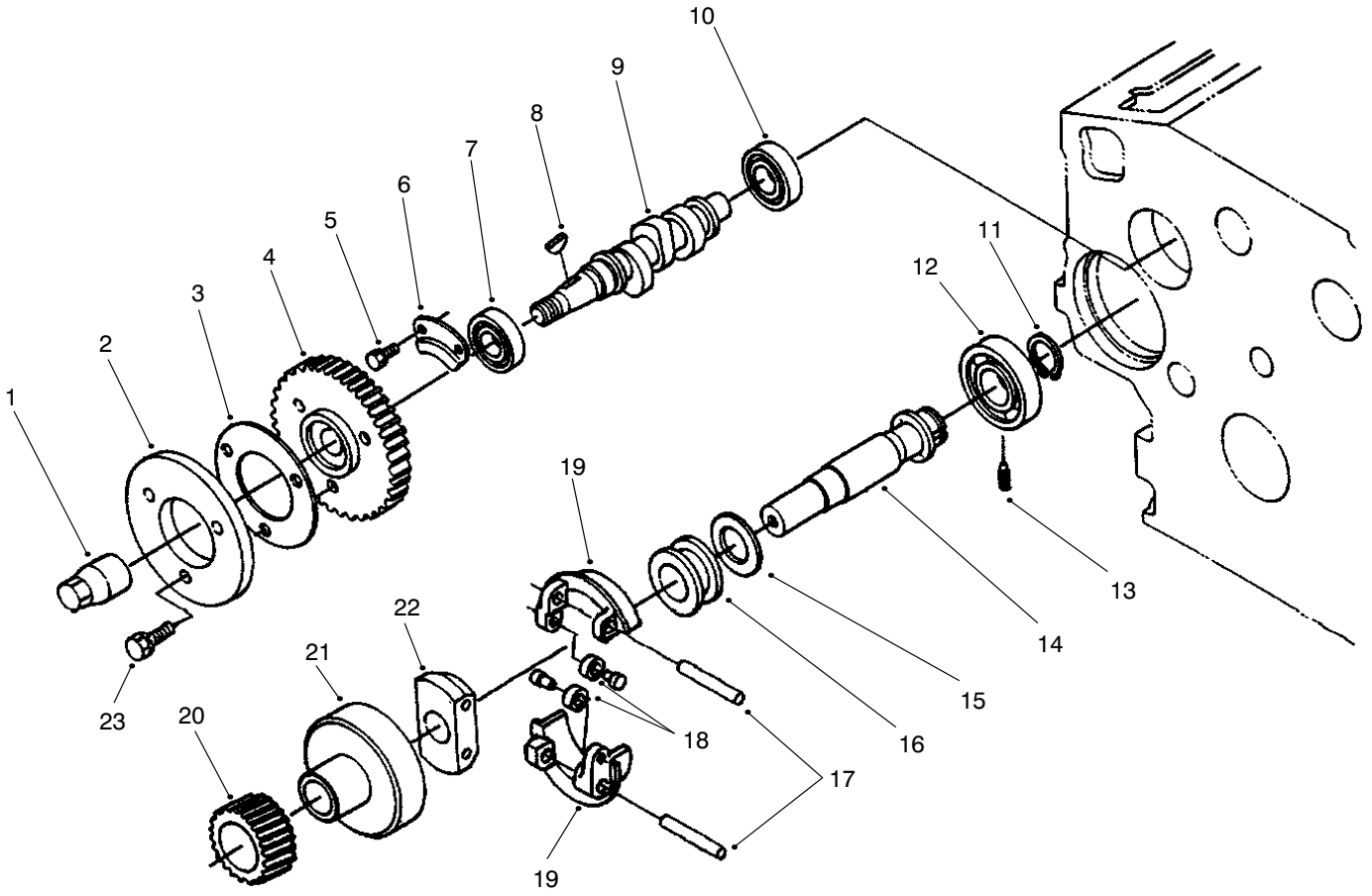


T−2915

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
4	98−9691	Asm−Flywheel (Incl. Ref. #5)	1
5	98−9394	Gear−Ring	1

*Not Illustrated

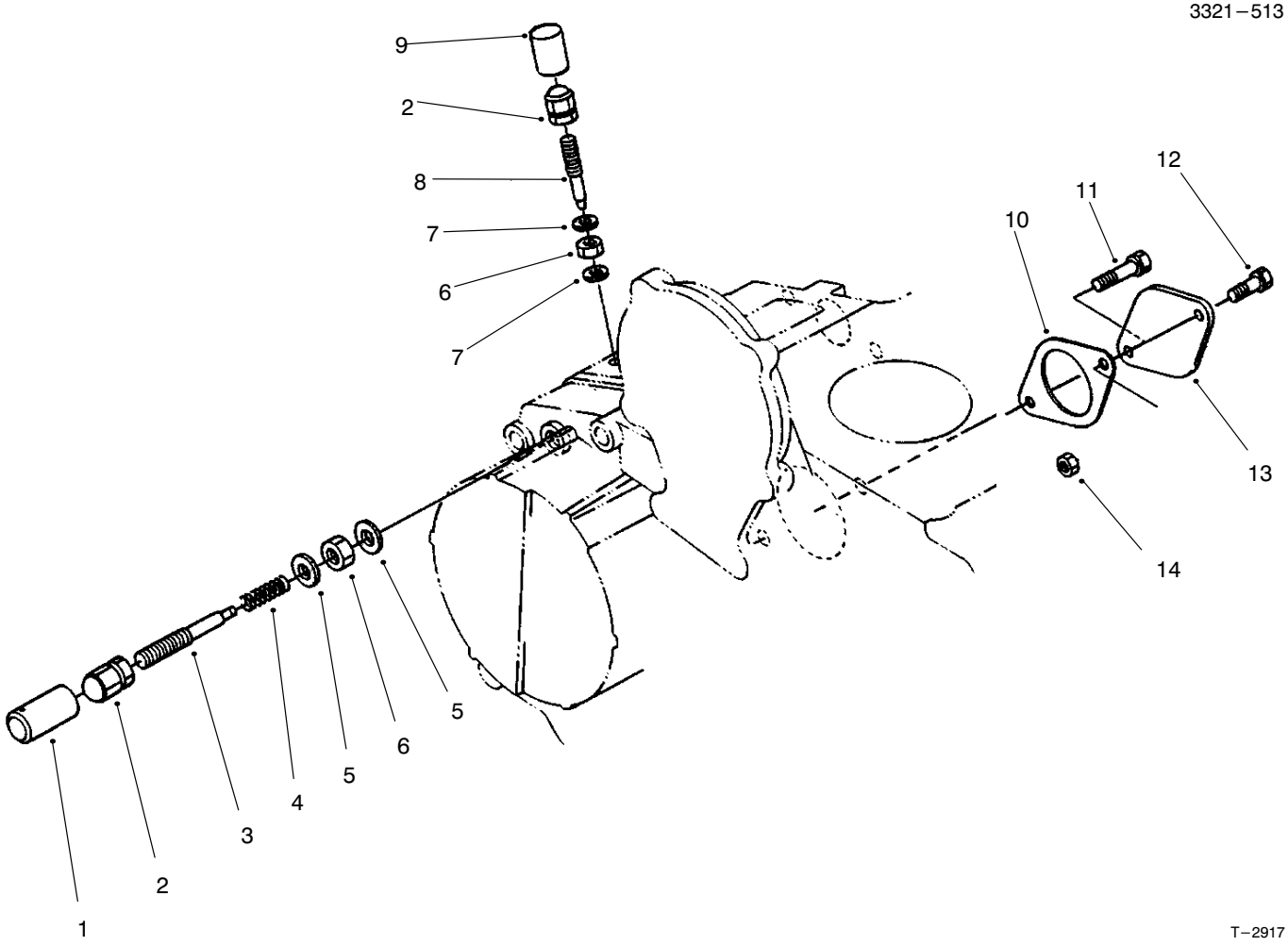


T−2916

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



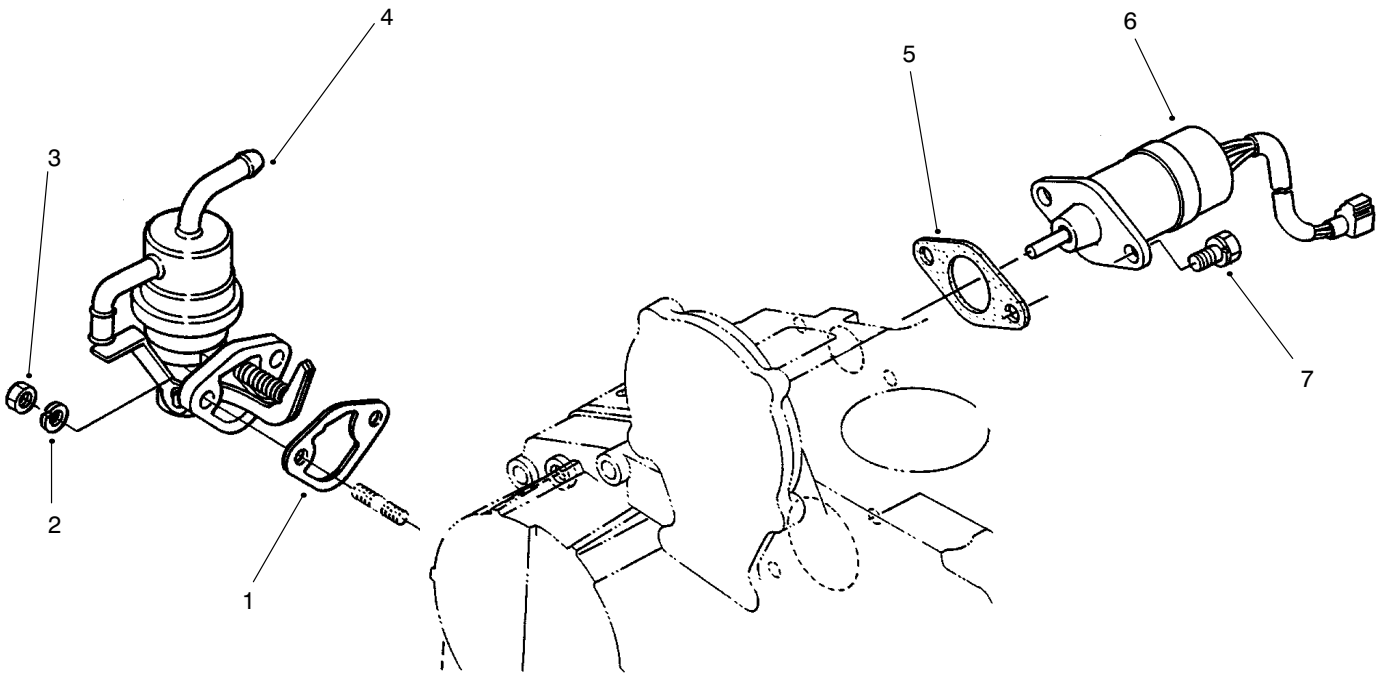
T−2917

ENGINE STOP LEVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9558	Cap	1
2	98−9441	Nut−Cap	2
3	98−9679	Asm−Bolt, Adjusting (Incl. Ref. #4)	1
4		Spring	1
5	98−7654	Gasket	2
6	98−9439	Nut	2
7	98−7654	Gasket	2
8	98−9557	Bolt−Adjusting	1

Ref. No.	Part No.	Description	No. Used
9	98−9558	Cap	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



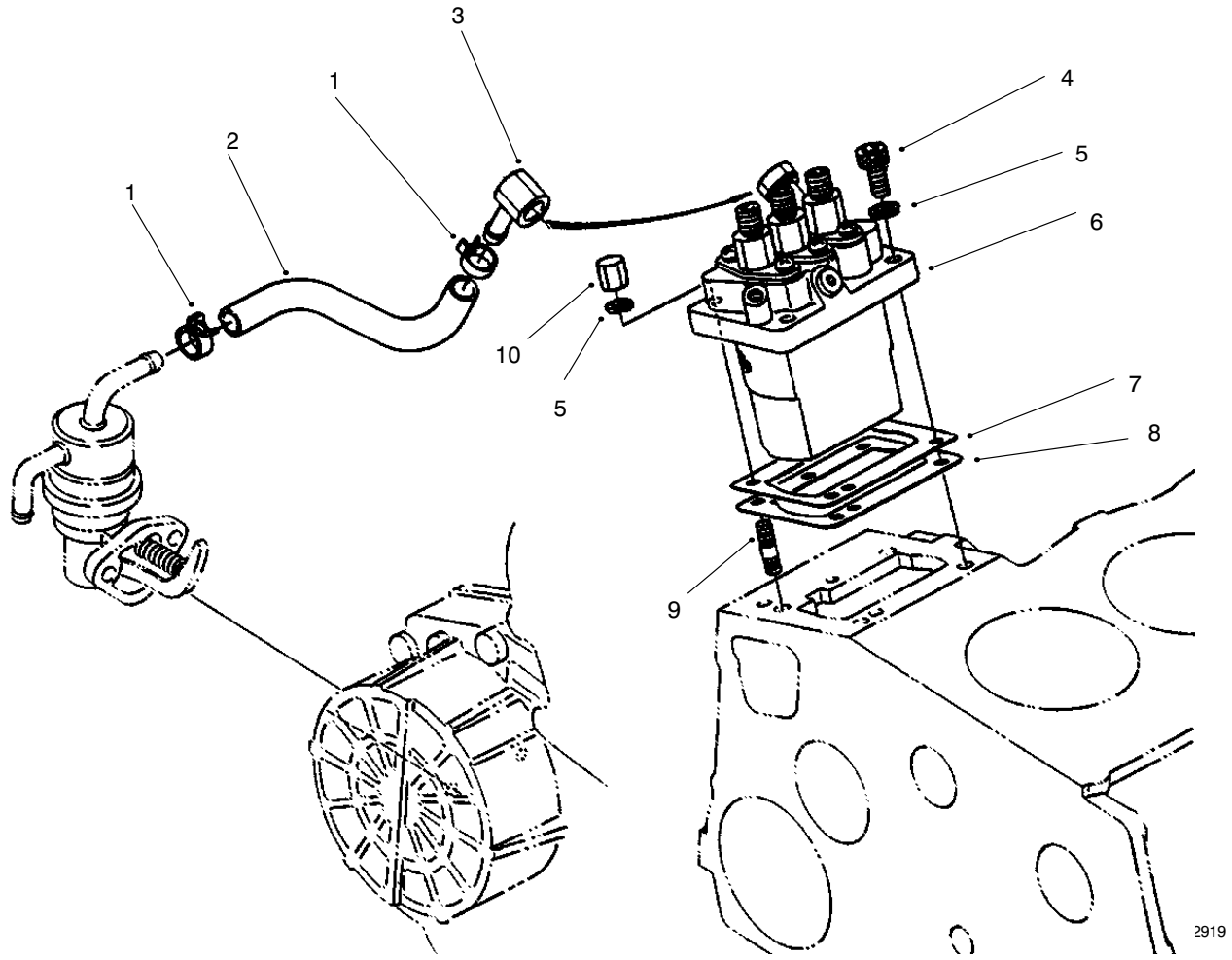
T−2918

STOP SOLENOID & FUEL PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9636	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

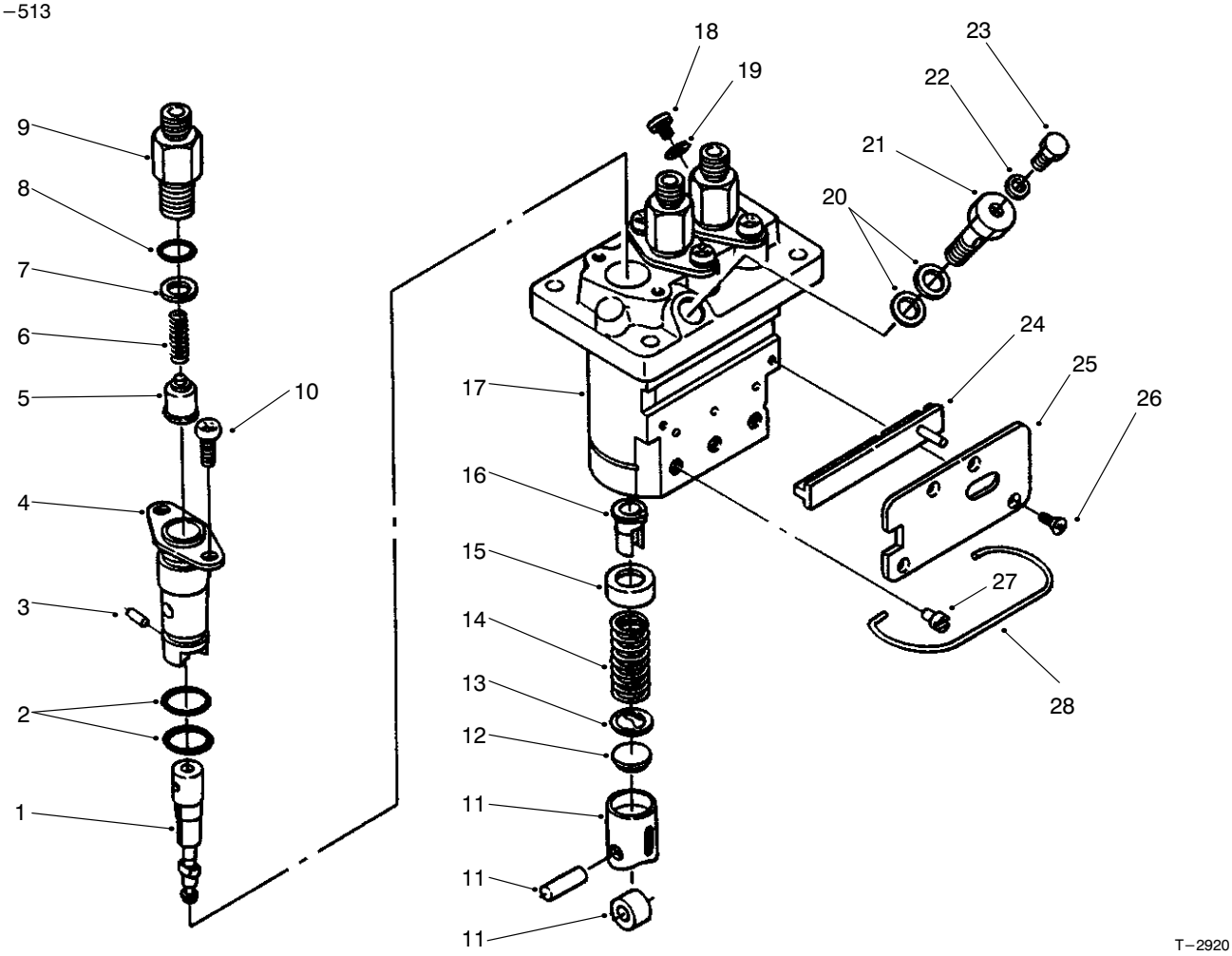


INJECTION PUMP ASSEMBLY

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

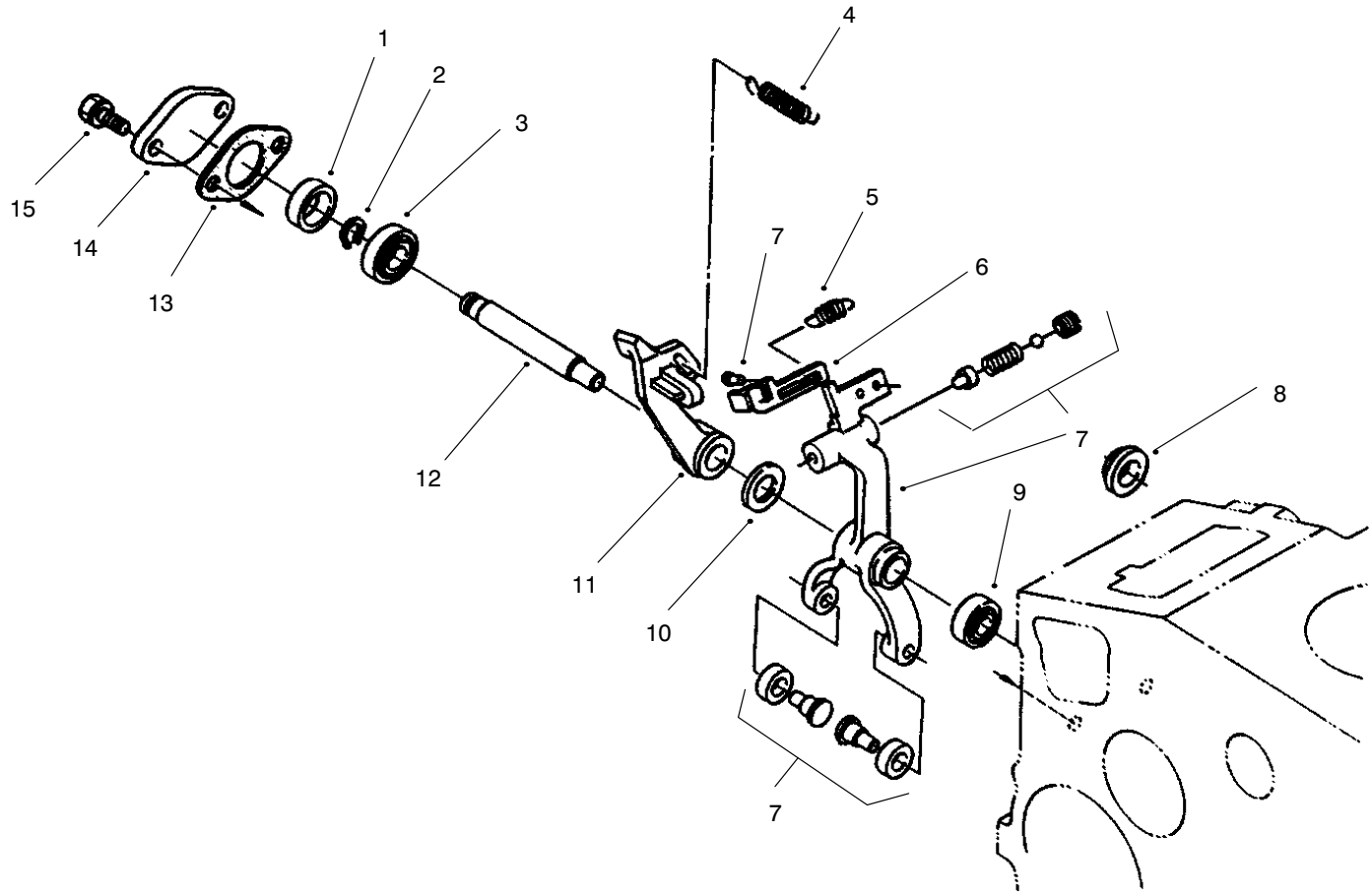


T−2920

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



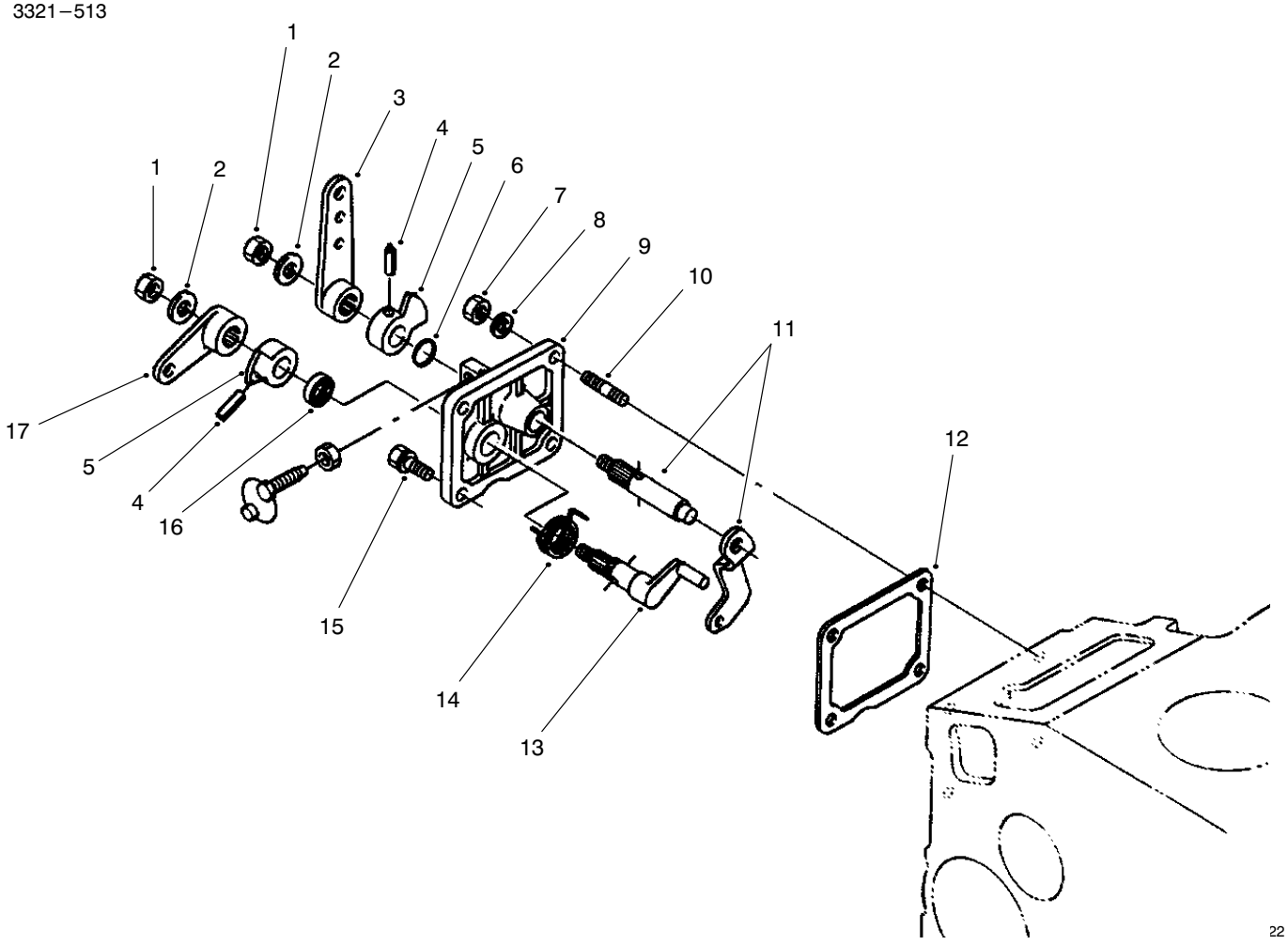
T−2921

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	98−9680	Asm−Lever, Fork (Incl. Ref. #2, 3, 6, & 10−12)	1

Ref. No.	Part No.	Description	No. Used
8	98−9568	Collar	1
9	98−9571	Bearing−Miniature	1
10	98−9593	Washer−Flat	1
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

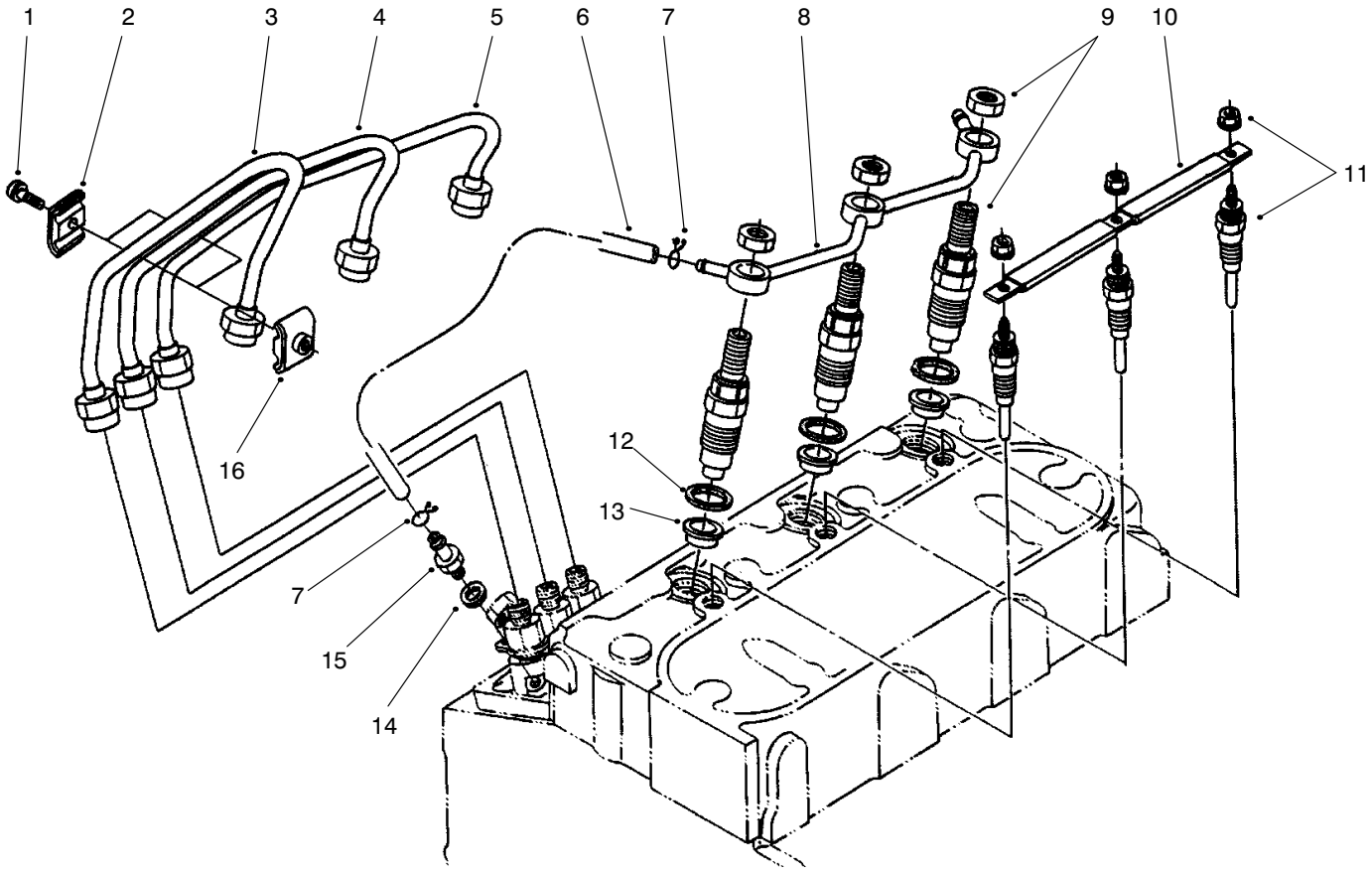
3321−513



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	2
16	98−7601	Seal−Oil	1
17	98−9663	Lever−Engine Stop	1



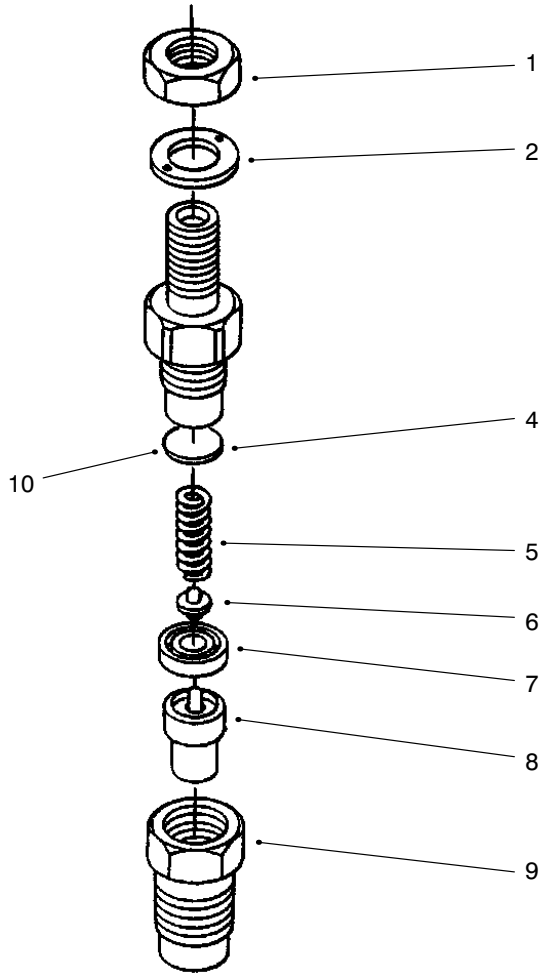
T–2923

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

Ref. No.	Part No.	Description	No. Used
9	98–9468	Asm–Holder, Nozzle	3
10	98–9631	Cord–Glow Plug	1
11	98–9695	Plug–Glow	3
12	98–7676	Gasket	3
13	98–9694	Seat–Heat	3
14	98–7654	Gasket	1
15	98–9431	Screw–Air Bleed	1
16	98–7682	Clamp–Pipe	2

*Not Illustrated



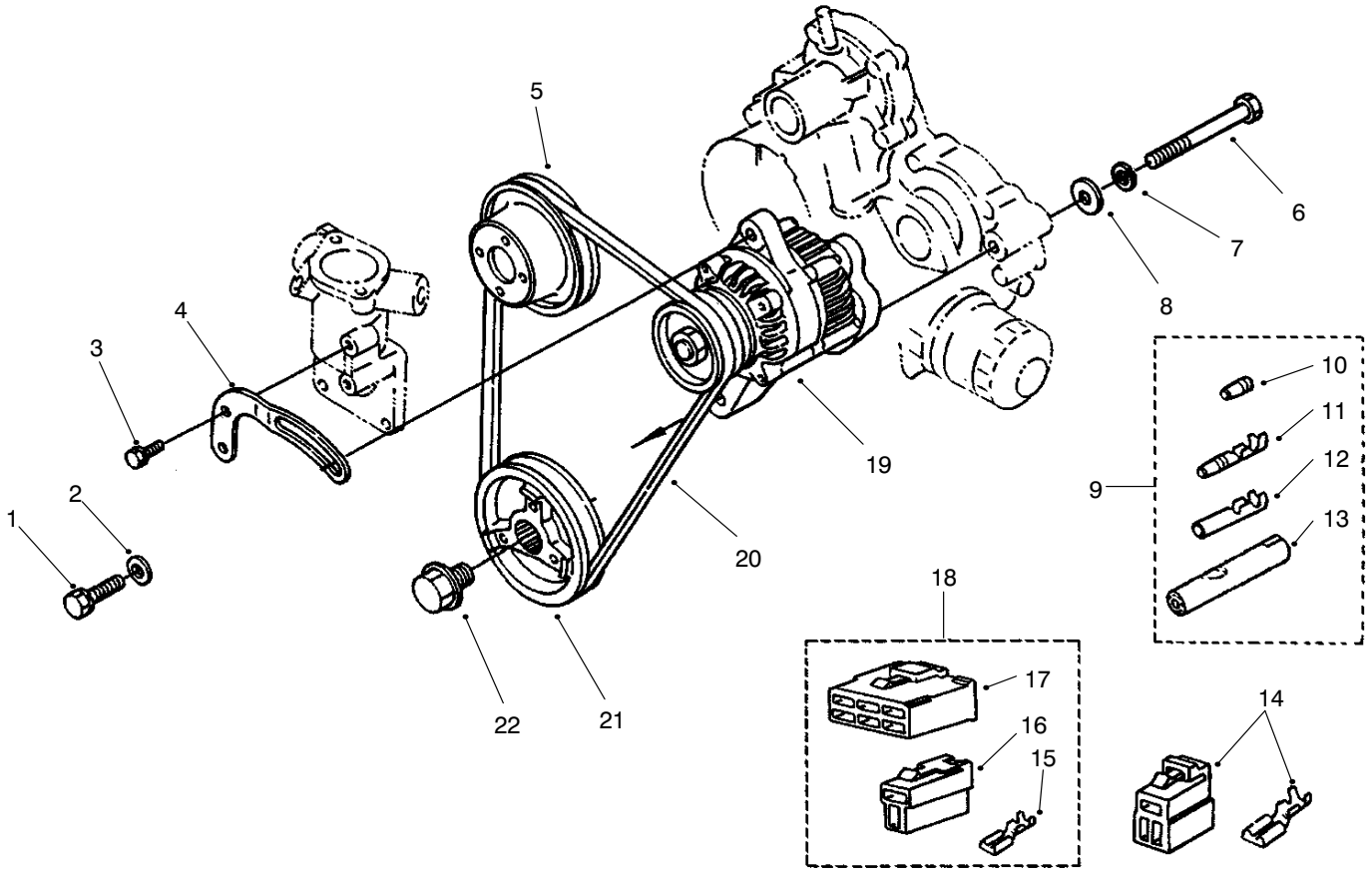
T−2924

NOZZLE HOLDER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−7613	Nut	3
2	98−7668	Washer	3
4	98−7642	Washer−Adjusting	3
5	98−7647	Spring−Nozzle	3
6	98−7666	Push Rod	3
7	98−7665	Piece−Distance	3
8	98−9629	Piece−Nozzle	3
9	98−7667	Nut−Nozzle	3
10	98−9448	Asm−Washer, Adjusting	3
*	98−7642	Washer−Adj. (0.900mm)	3
*	98−7841	Washer−Adj. (0.925mm)	3
*	98−7842	Washer−Adj. (0.950mm)	3
*	98−7843	Washer−Adj. (0.975mm)	3
*	98−7844	Washer−Adj. (1.000mm)	3
*	98−7845	Washer−Adj. (1.025mm)	3
*	98−7846	Washer−Adj. (1.050mm)	3
*	98−7847	Washer−Adj. (1.075mm)	3
*	98−7848	Washer−Adj. (1.100mm)	3
*	98−7849	Washer−Adj. (1.125mm)	3
*	98−7850	Washer−Adj. (1.150mm)	3
*	98−7851	Washer−Adj. (1.175mm)	3
*	98−7852	Washer−Adj. (1.200mm)	3
*	98−7853	Washer−Adj. (1.225mm)	3
*	98−7854	Washer−Adj. (1.250mm)	3
*	98−7855	Washer−Adj. (1.275mm)	3
*	98−7856	Washer−Adj. (1.300mm)	3
*	98−7857	Washer−Adj. (1.325mm)	3

Ref. No.	Part No.	Description	No. Used
*	98−7858	Washer−Adj. (1.350mm)	3
*	98−7859	Washer−Adj. (1.375mm)	3
*	98−7860	Washer−Adj. (1.400mm)	3
*	98−7861	Washer−Adj. (1.425mm)	3
*	98−7862	Washer−Adj. (1.450mm)	3
*	98−7863	Washer−Adj. (1.475mm)	3
*	98−7864	Washer−Adj. (1.500mm)	3
*	98−7865	Washer−Adj. (1.525mm)	3
*	98−7866	Washer−Adj. (1.550mm)	3
*	98−7867	Washer−Adj. (1.575mm)	3
*	98−7868	Washer−Adj. (1.600mm)	3
*	98−7869	Washer−Adj. (1.625mm)	3
*	98−7870	Washer−Adj. (1.650mm)	3
*	98−7871	Washer−Adj. (1.675mm)	3
*	98−7872	Washer−Adj. (1.700mm)	3
*	98−7873	Washer−Adj. (1.725mm)	3
*	98−7874	Washer−Adj. (1.750mm)	3
*	98−7875	Washer−Adj. (1.775mm)	3
*	98−7876	Washer−Adj. (1.800mm)	3
*	98−7877	Washer−Adj. (1.825mm)	3
*	98−7878	Washer−Adj. (1.850mm)	3
*	98−7879	Washer−Adj. (1.875mm)	3
*	98−7880	Washer−Adj. (1.900mm)	3
*	98−7881	Washer−Adj. (1.925mm)	3
*	98−7882	Washer−Adj. (1.950mm)	3
*	98−9628	Asm−Holder, Nozzle (Incl. Ref. #1−8)	3

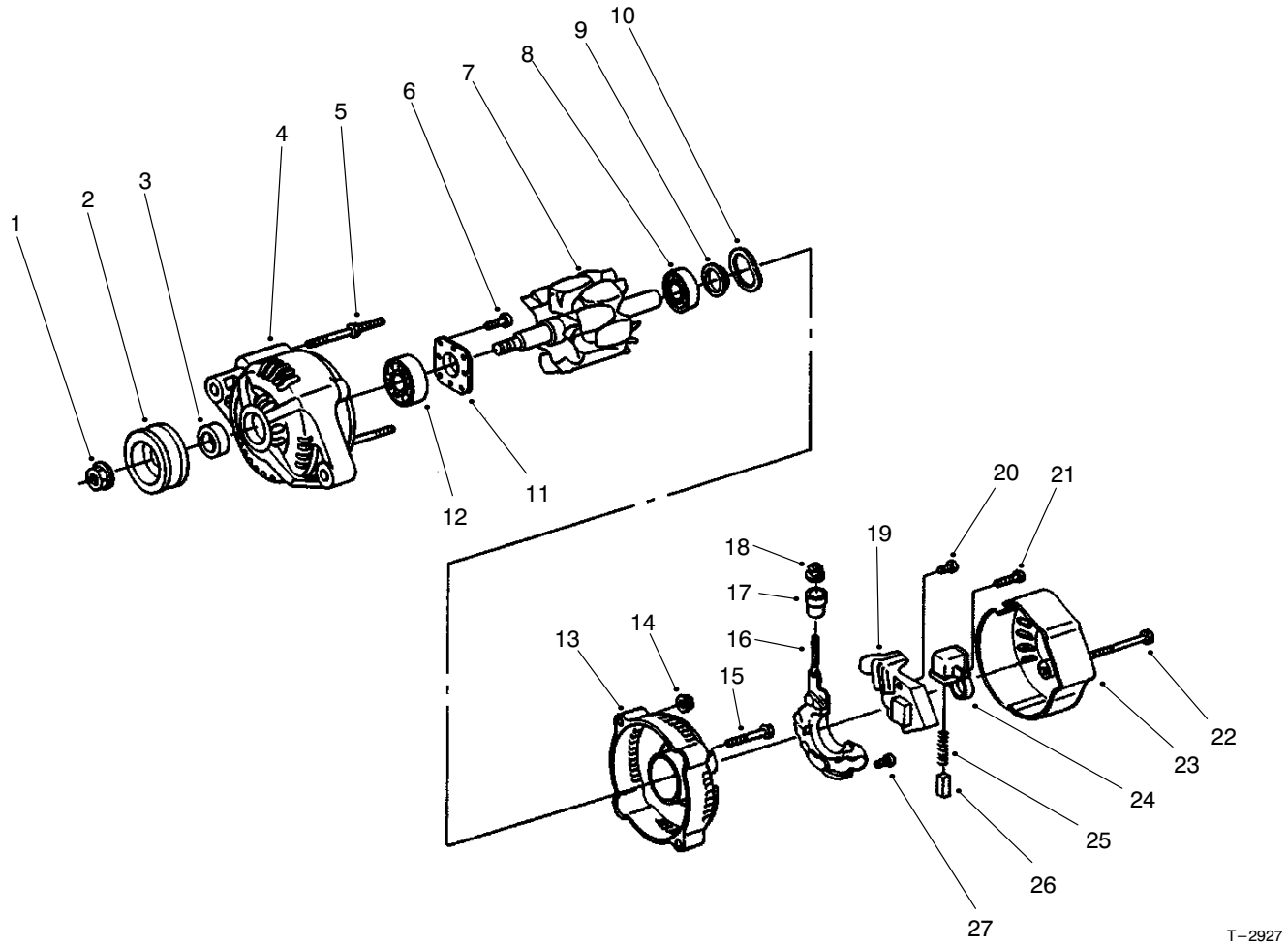
*Not Illustrated



T−2926

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
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

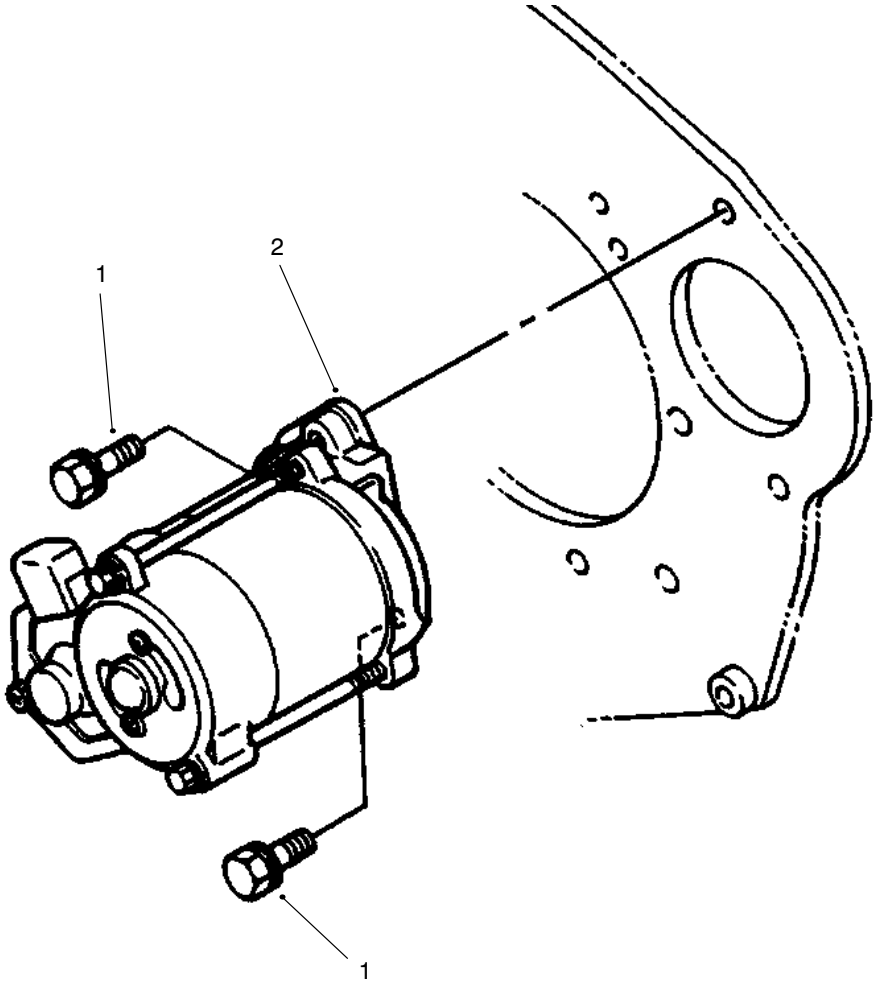


ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98–7708	Nut	1
2	98–9453	Pulley–Dynamo	1
3	98–7709	Collar	1
4	98–9475	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	98–9476	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

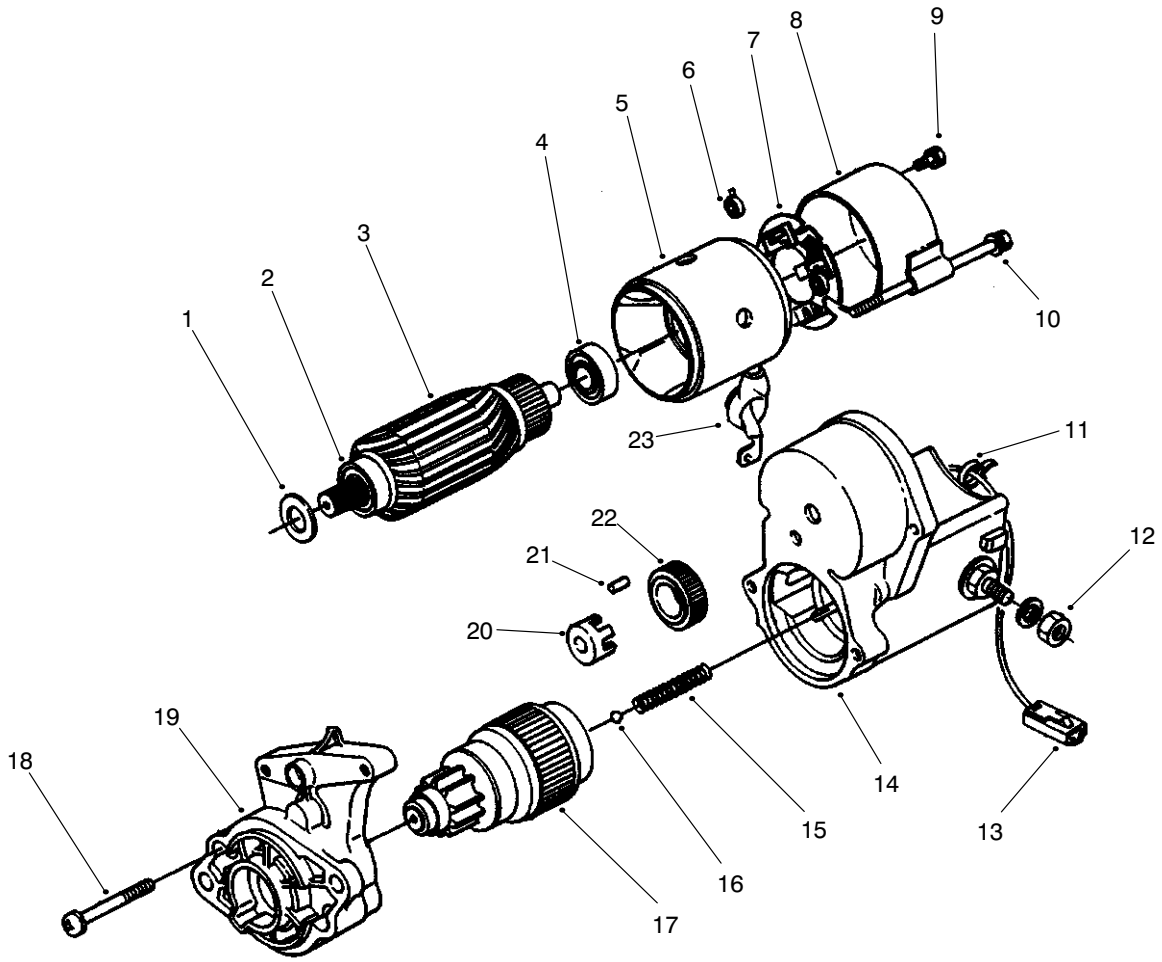


T−2928

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

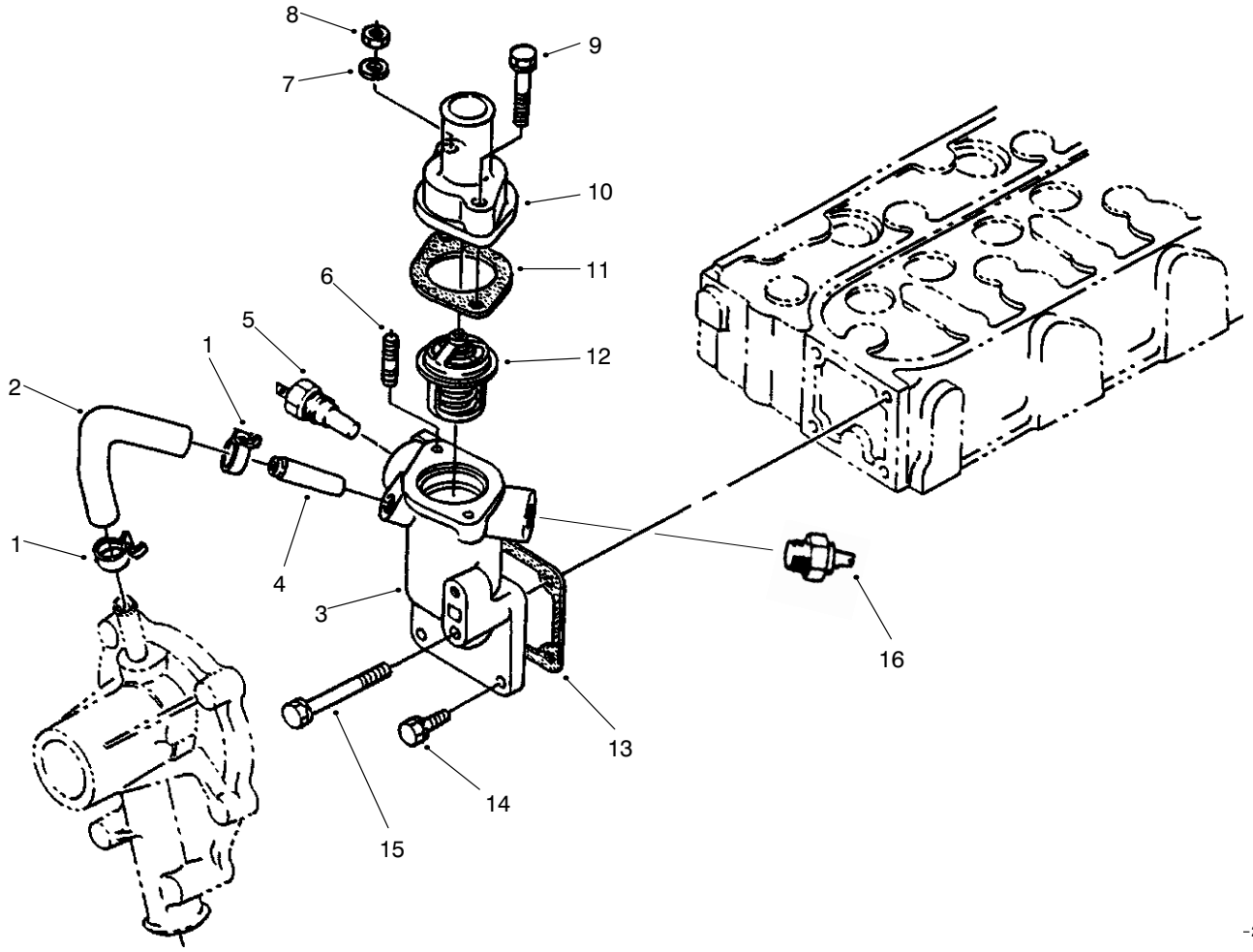


T−2929

STARTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9406	Washer−Felt	1
2	98−9411	Bearing−Ball	1
3	98−9400	Armature (Incl. Ref. #2 & 4)	1
4	98−9412	Bearing−Ball	1
5	98−9706	Yoke	1
6	98−7750	Spring−Brush	4
7	98−9403	Holder−Brush	1
8	98−9401	Frame−End	1
9	98−9404	Bolt	2
10	98−9402	Bolt−Through	2
11	98−9712	Band−Cover	1

Ref. No.	Part No.	Description	No. Used
12	98−7760	Nut−Hex.	1
13	98−9711	Cord−Stop, Solenoid	1
14	98−9407	Switch−Magnetic	1
15	98−9710	Spring	1
16	98−2755	Ball	1
17	98−9409	Clutch	1
18	98−9405	Screw−PPH	2
19	98−9408	Housing	1
20	98−9708	Retainer	1
21	98−7753	Roller	5
22	98−9396	Gear	1
23	98−9410	Cover−Cord	1

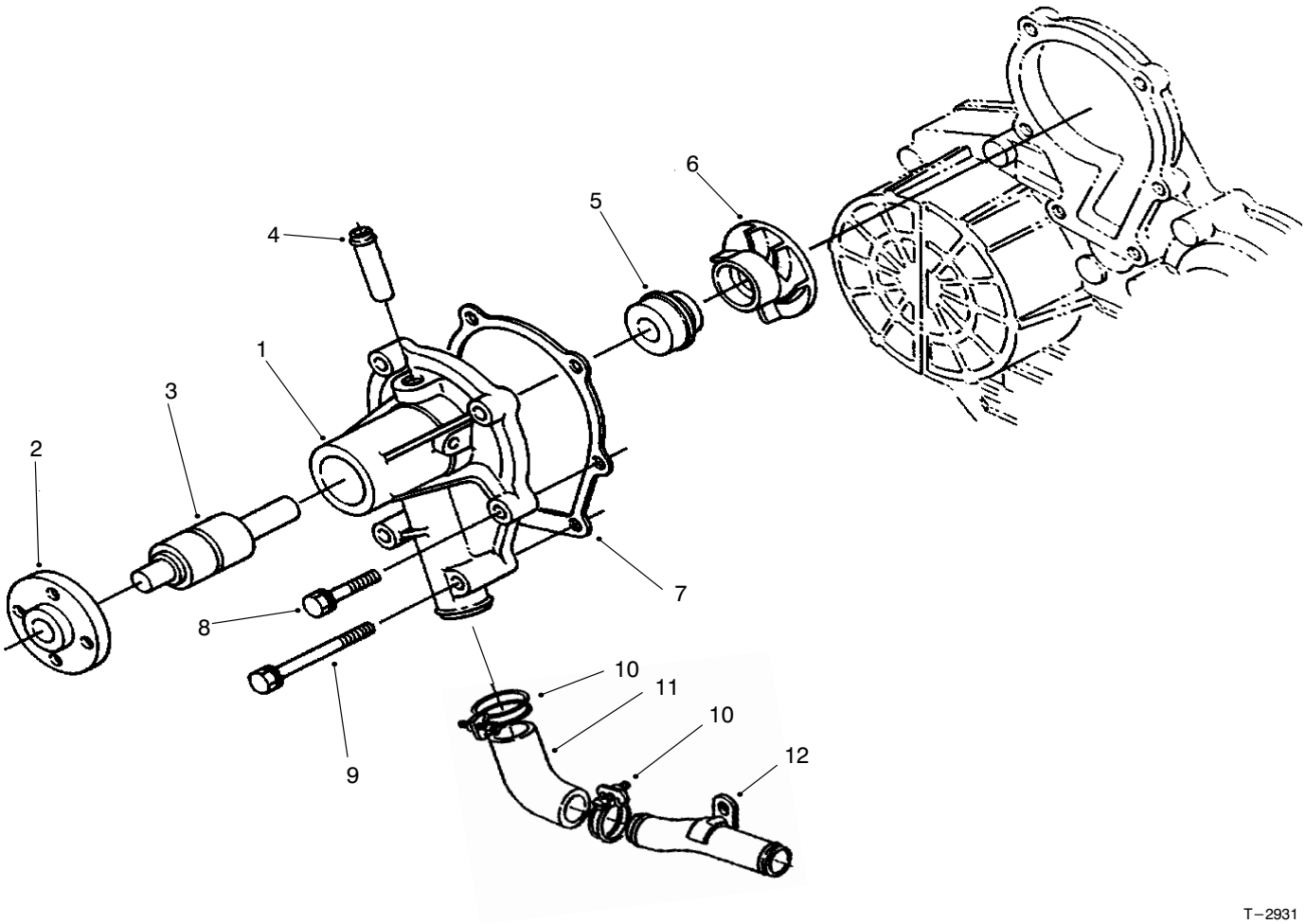


−2930

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
6	98−9603	Stud	1
7	98−9367	Washer−Lock	1
8	98−7572	Nut	1

Ref. No.	Part No.	Description	No. Used
9	98−9354	Bolt	1
10	98−9471	Cover−Thermostat	1
11	98−9639	Gasket	1
12	98−9715	Asm−Thermostat	1
13	98−9638	Gasket−Flange, Water	1
14	98−7692	Bolt	3
15	98−9356	Bolt	1
16	82−3110	Switch	1

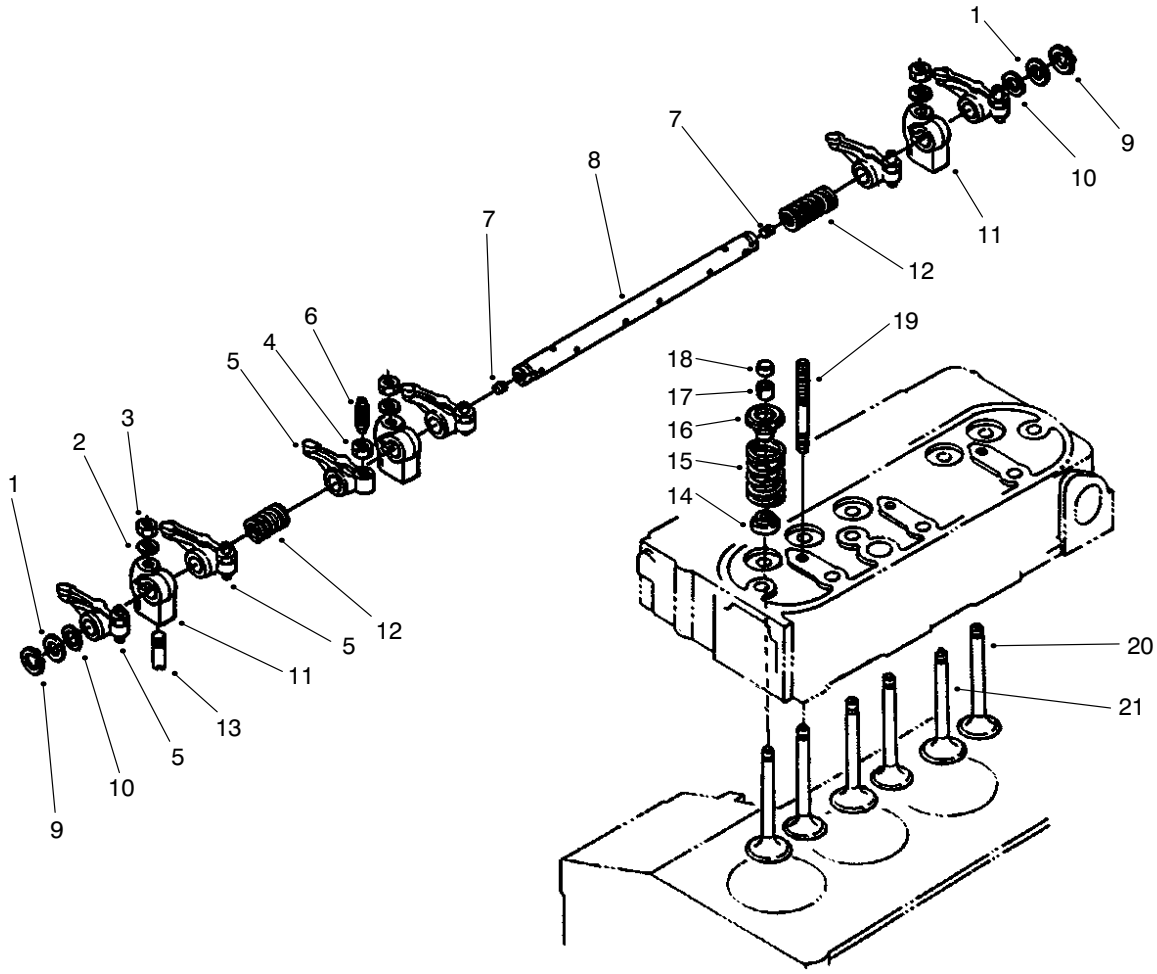


T−2931

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

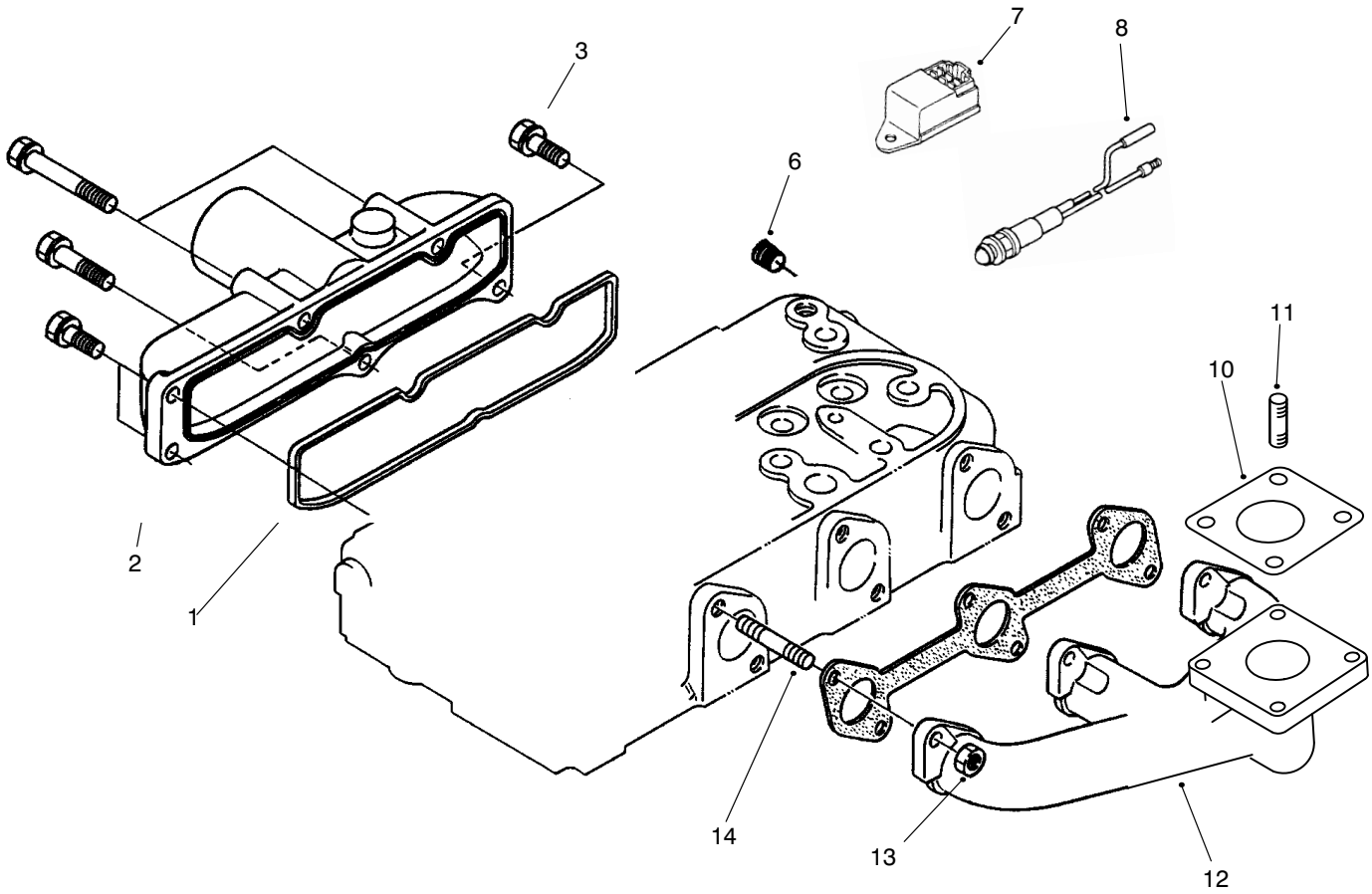


T−2932

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	98−9496	Seat−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

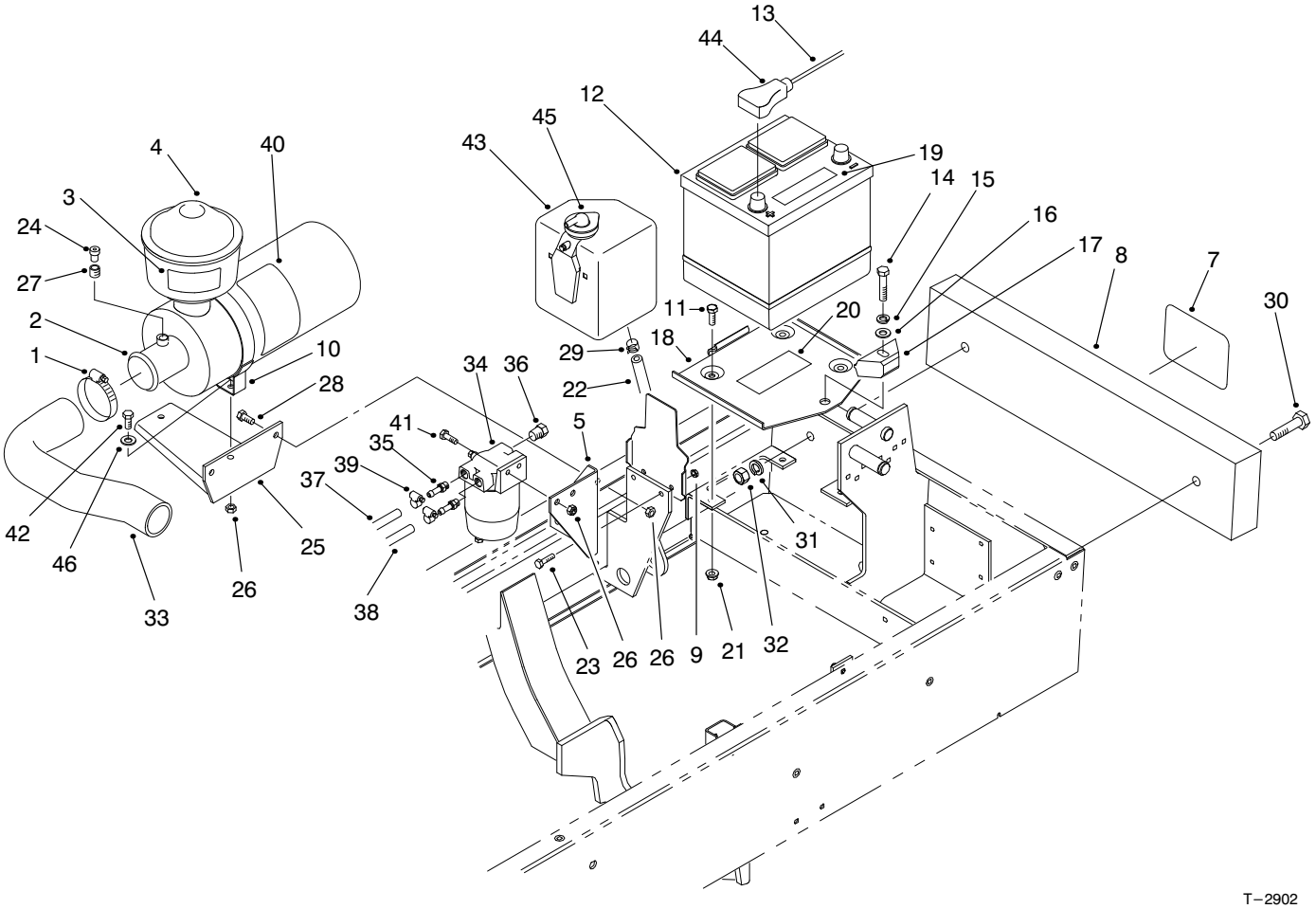


T−2925

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
7	98−9419	Timer−Glow Lamp	1

Ref. No.	Part No.	Description	No. Used
8	98−9397	Lamp−Indicator	1
9	98−9610	Gasket−Manifold, Exhaust	1
10	98−9611	Gasket−Muffler	1
11	42−9560	Stud	4
12	98−9718	Manifold−Exhaust	1
13	98−9665	Nut	6
14	98−9588	Stud	6



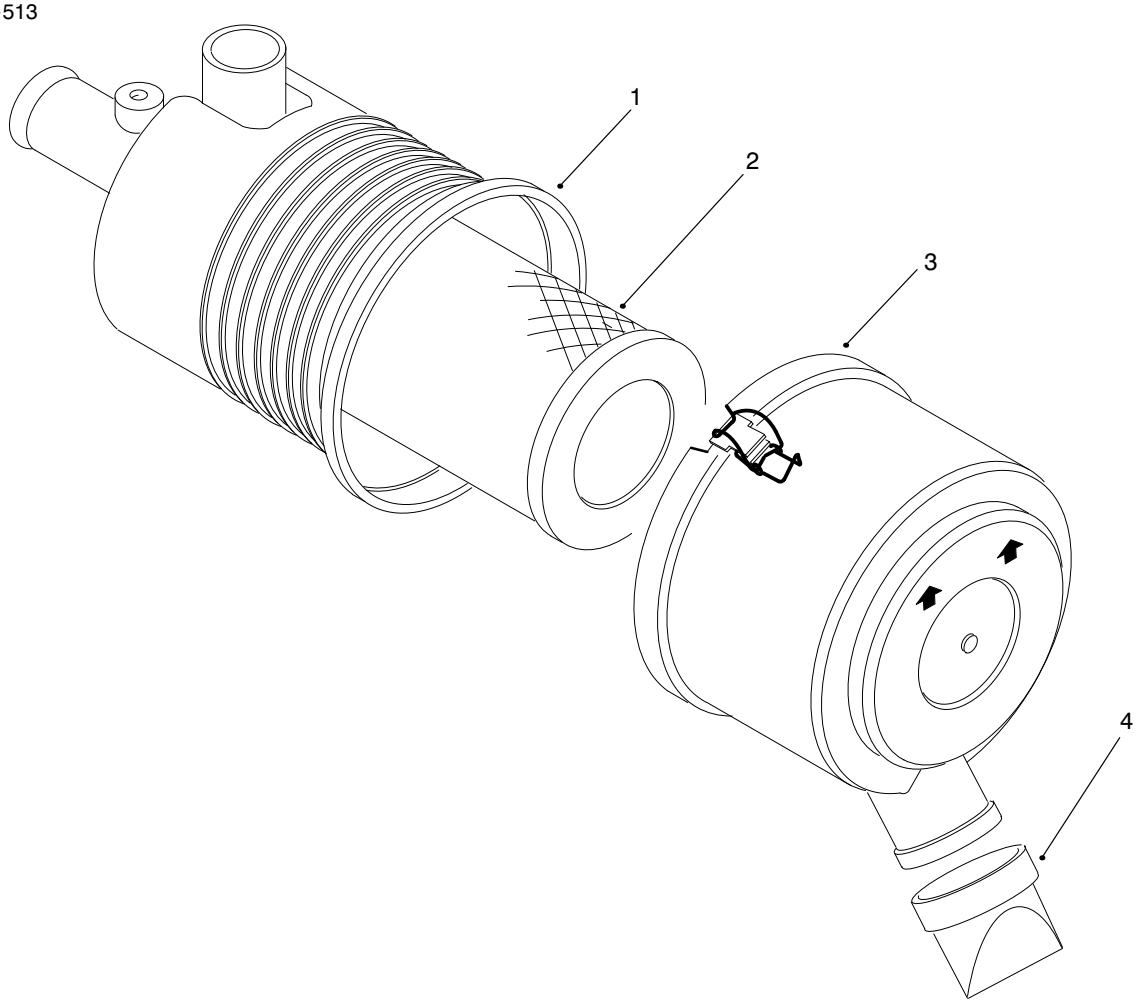
T−2902

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	66−2490	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
24	93−9164	Indicator−Service	1

Ref. No.	Part No.	Description	No. Used
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

3321−513



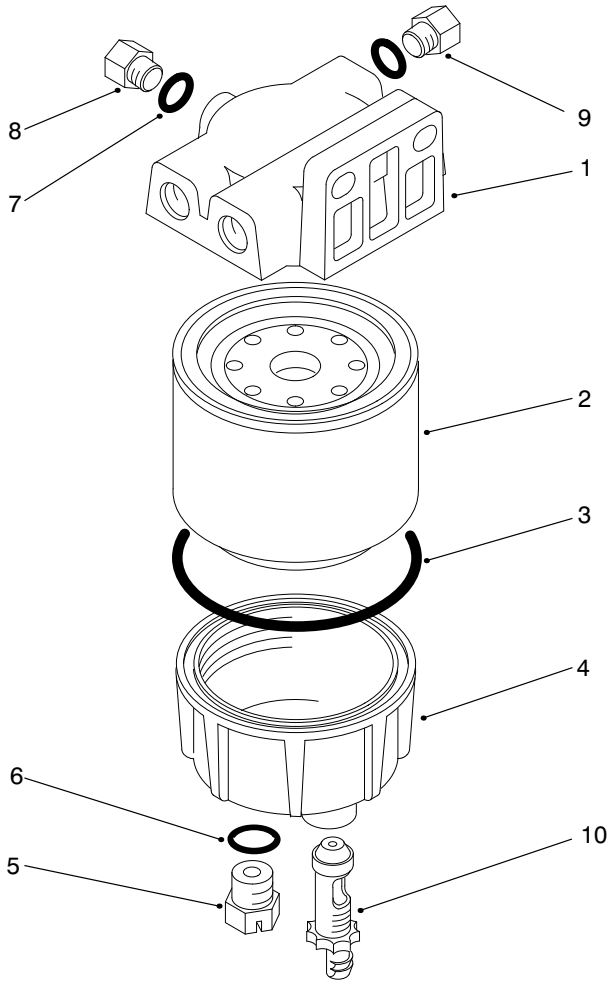
T−2903

AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−9770	Asm−Body	1
2	98−9763	Asm−Element	1

Ref. No.	Part No.	Description	No. Used
3	98−9771	Asm−Cover	1
4	98−9772	Valve	1

*Not Illustrated
†Not Serviceable Separately



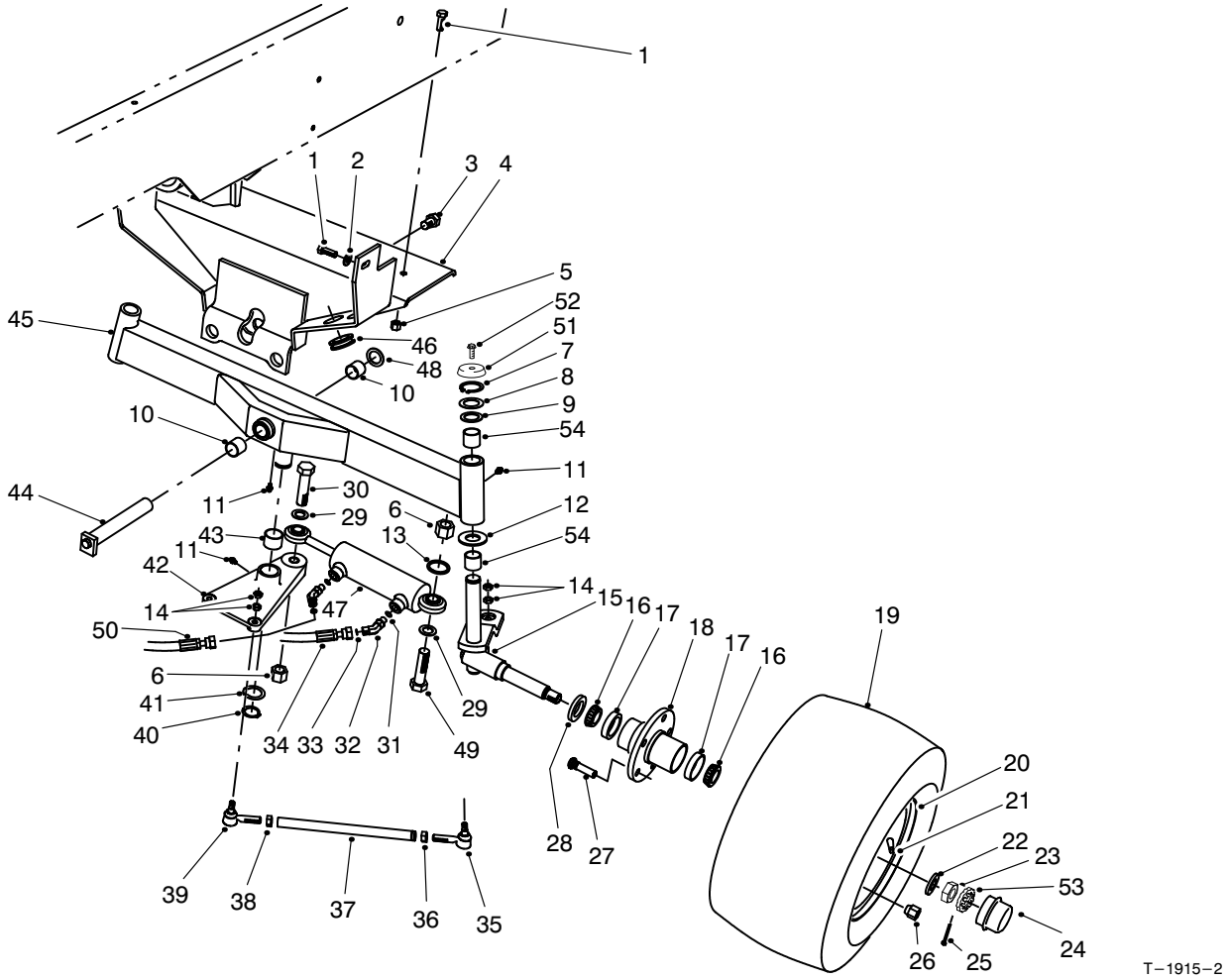
T−2904

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		O−Ring	1
7		O−Ring	1
8	98−9776	Plug−Head, Filter (Incl. Ref. #7)	1
9	285−22	Plug−Pipe	1
10	98−9777	Asm−Valve, Drain	1

3321–513



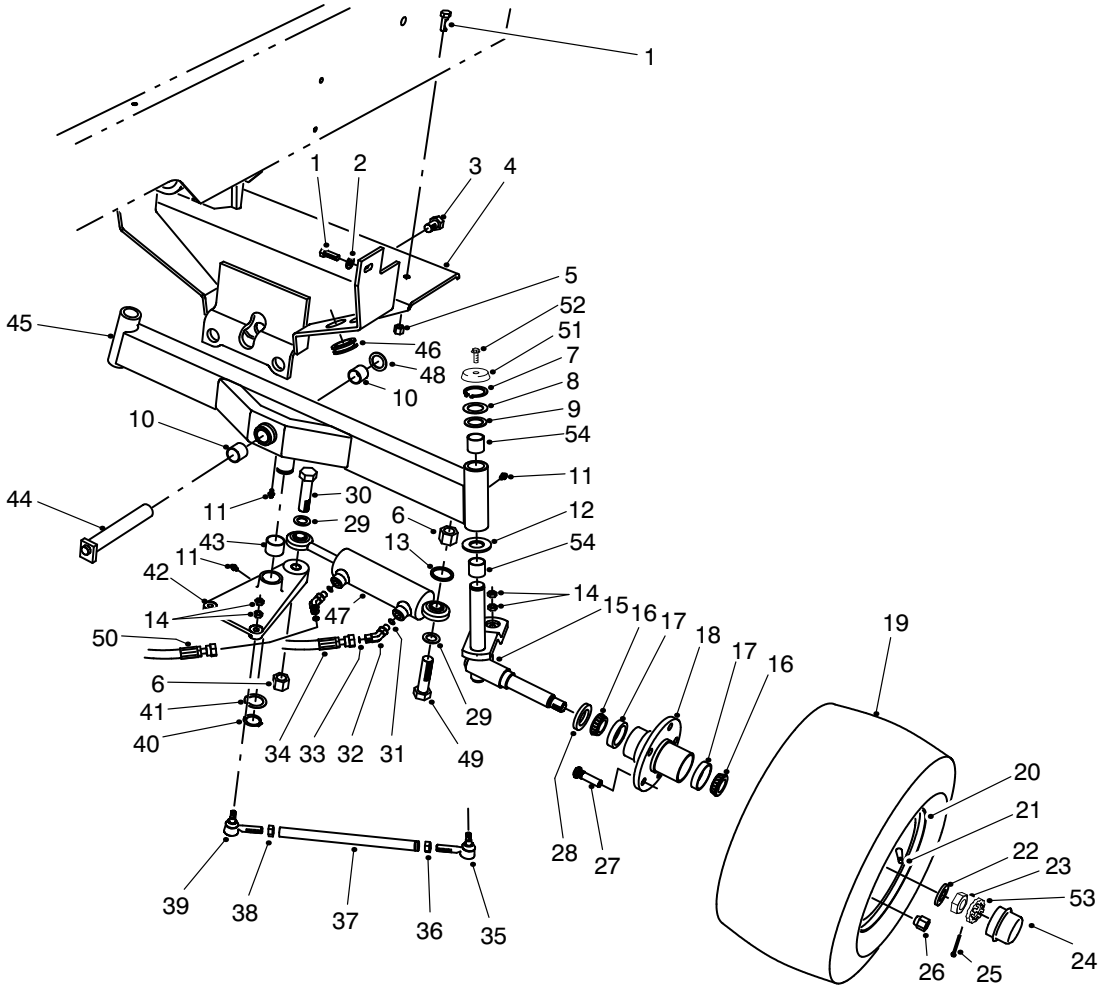
T–1915–2

REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323–7	Screw–HH	4
2	3256–24	Washer–Flat	2
3	327–2	Screw–HH	1
4	93–0064	Support–Rear Axle	1
5	3296–39	Nut–Lock	2
6	32153–6	Nut–Lock	2
7	32151–36	Ring–Retaining	2
8	5–1226	Washer–Shim	3
9	10–8110	Washer–Thrust	2
10	67–1751	Bushing–Sleeve	2
11	302–5	Fitting–Grease	4
12	256–121	Washer–Thrust	2
13	67–7250	Spacer–Cylinder	1
14	3220–3	Nut–Jam	8
15	93–7001	Spindle–Rear LH	1
*	93–7000	Spindle–Rear RH	1
16	254–94	Cone–Bearing	4
17	254–72	Cup–Bearing	4
18	21–2820	Hub–Rear Wheel	2
19	231–141	Tire	2
20	217–121	Rim	2
21	232–35	Stem–Valve	2
22	93–0309	Washer–Tab	2

Ref. No.	Part No.	Description	No. Used
23	3220–7	Nut–Jam	2
24	241–119	Cap–Dust	2
25	3272–13	Pin–Cotter	2
26	242–50	Nut–Lug	10
27	10–6830	Stud–Drive	10
28	253–129	Seal–Grease	2
29	67–9410	Washer–Thrust	2
30	328–25	Screw–HH	1
31	237–78	O–Ring	2
32	340–103	Fitting–Hydraulic 45° (Incl. Ref. #31 & 33)	2
33	237–21	O–Ring	2
34	75–6230	Hose–Hydraulic	1
35	21–0141	Joint–Ball	2
36	3220–5	Nut–Jam	2
37	75–3130	Rod–Tie	2
38	3220–12	Nut–Jam LH Thread	2
39	21–0151	Joint–Ball LH Thread	2
40	32151–77	Ring–Retaining	1
41	76–2980	Washer–Thrust	1
42	75–4410	Asm–Pivot Plate (Incl. Ref. #11 & 43)	1
43	76–2970	Bushing–Sleeve	2

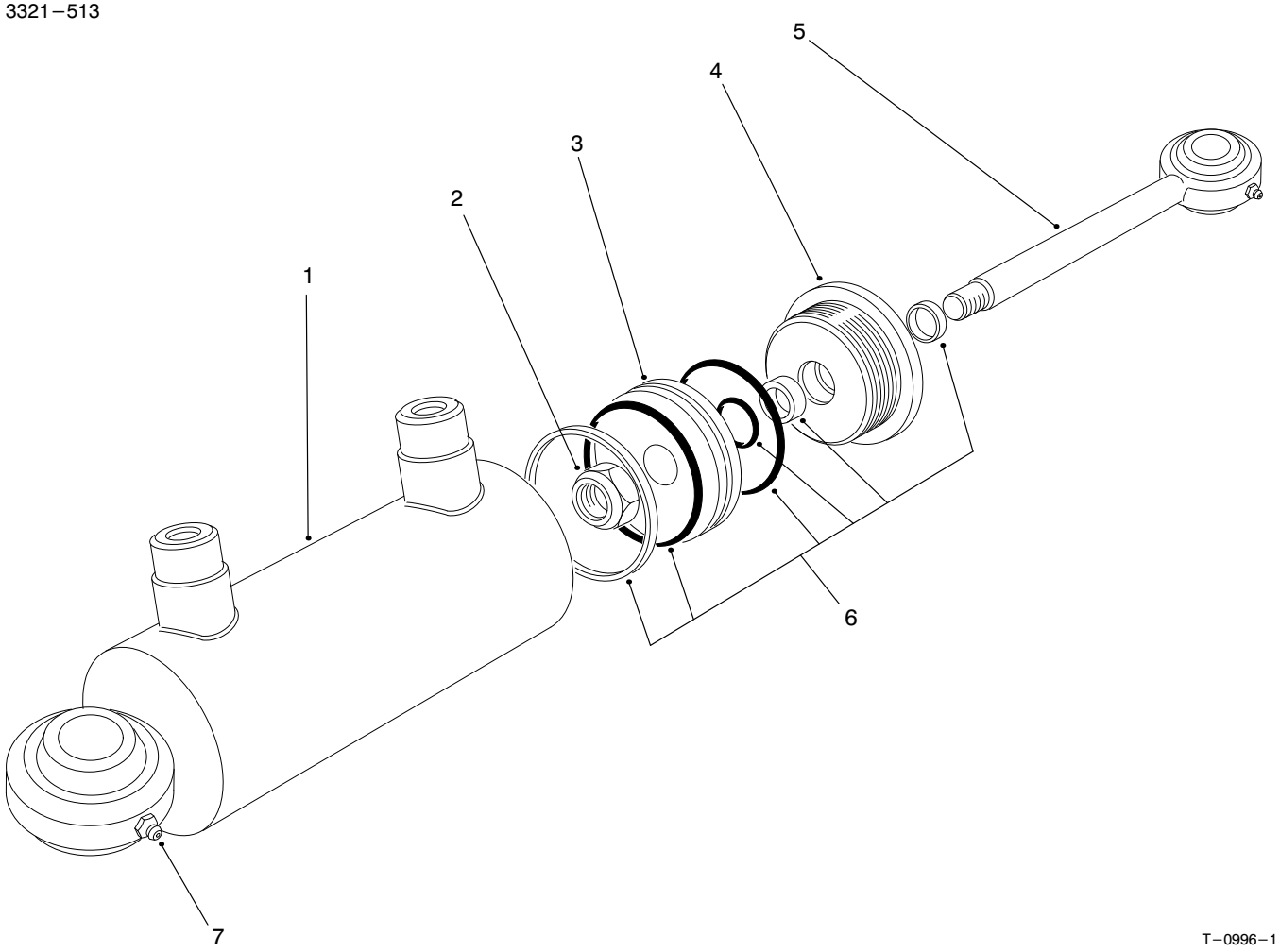
*Not Illustrated



REAR AXLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
44	75–4180	Pin–Rear Axle Pivot	1
45	75–2900	Asm–Rear Axle (Incl. Ref. #10, 11 & 54)	1
46	237–165	Grommet	2
47	75–1200	Asm–Hydraulic Cylinder	1
49	328–27	Screw–HH	1

Ref. No.	Part No.	Description	No. Used
50	75–6230	Hose–Hydraulic	1
51	66–2990	Cap–Spindle	2
52	3234–13	Screw–Cap Flange Hd.	2
53	93–0307	Retainer	2
54	67–1750	Bushing–Sleeve	4

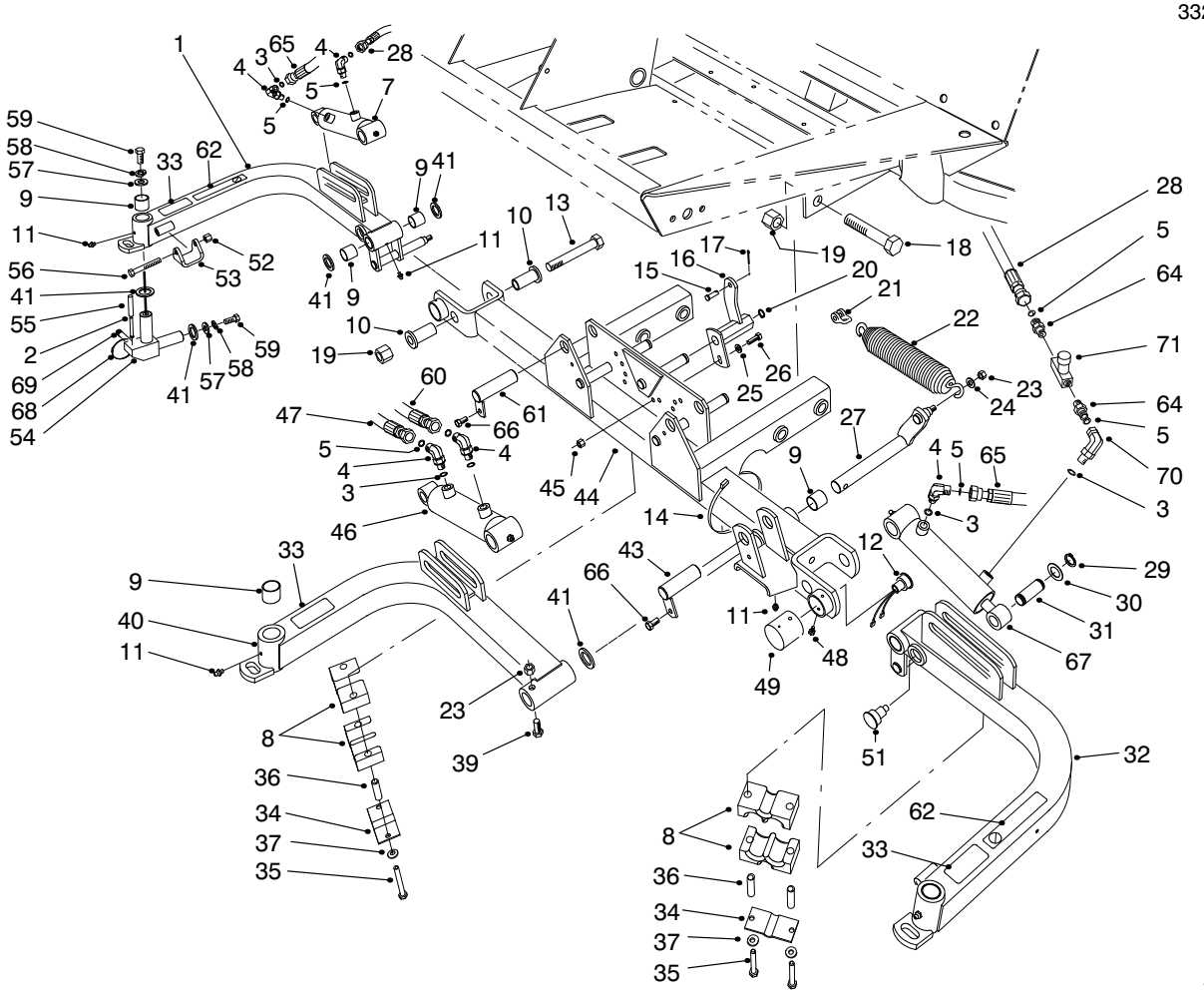


T–0996–1

HYDRAULIC CYLINDER NO. 75–1200

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	75–1230	Asm–Piston Rod	1
6	75–1250	Seal Kit	1
7	302–5	Fitting–Grease	2

†Not Serviced Separately

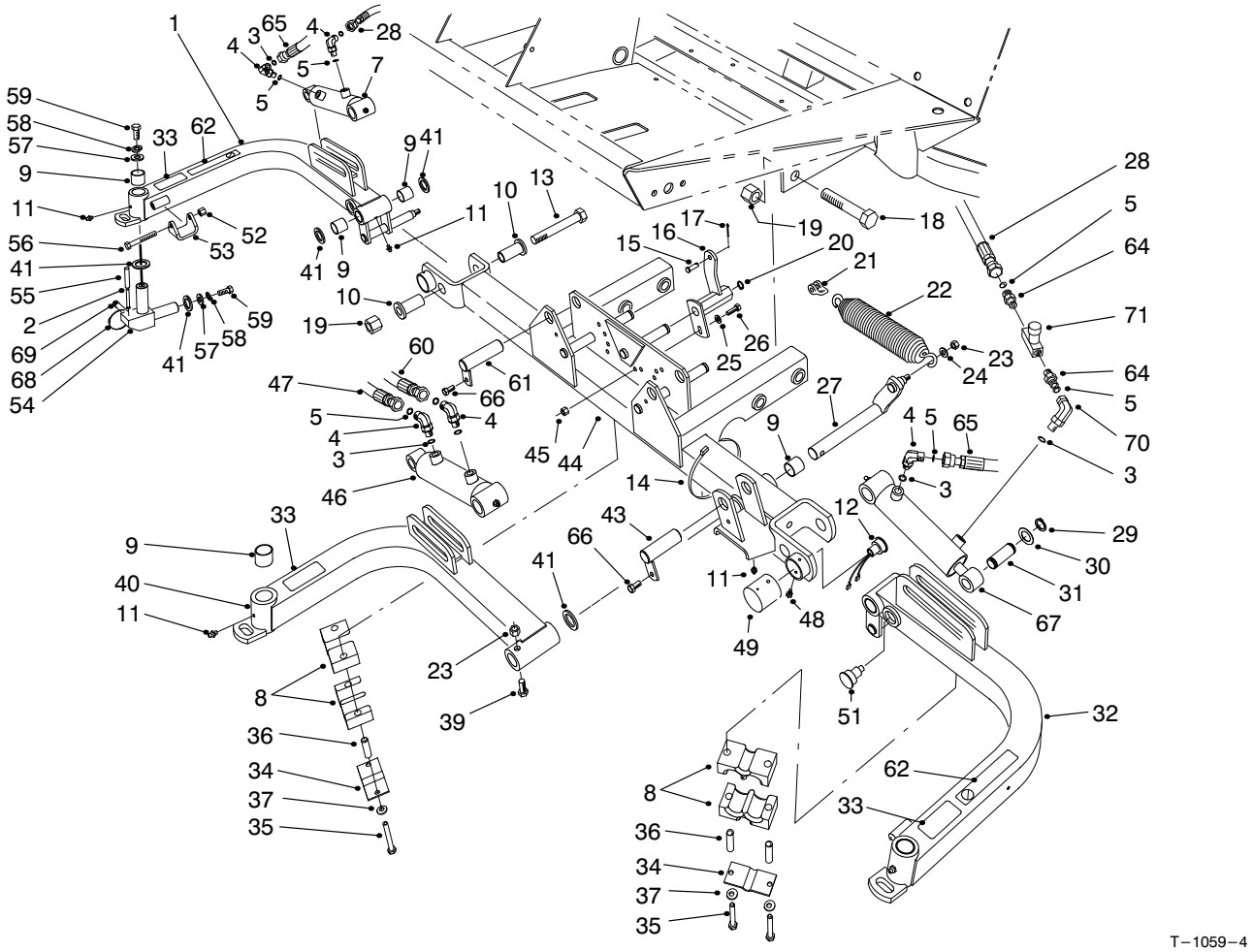


FRONT LIFT ARMS ASSEMBLY

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
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

Ref. No.	Part No.	Description	No. Used
21	282–4	Clevis–Spring	3
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

*Not Illustrated

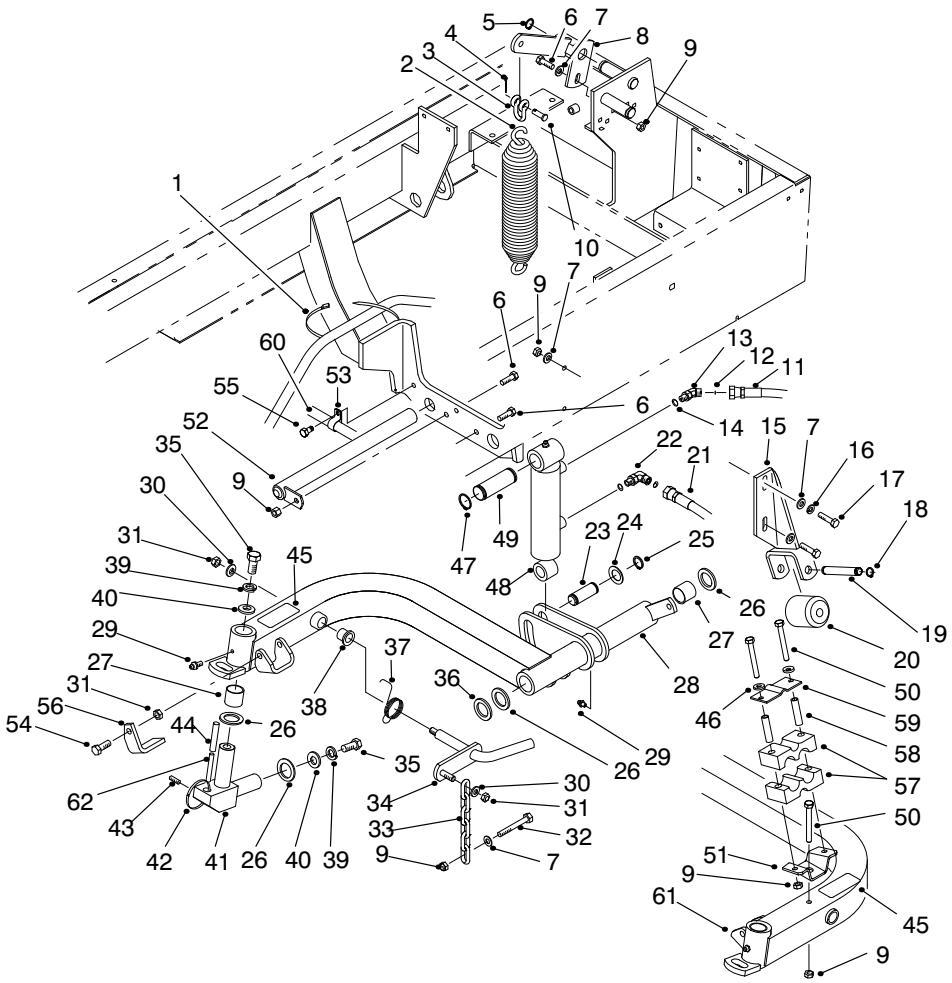


FRONT LIFT ARMS ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
44	94–5808	Asm–Carrier Frame (Incl. Ref. #9 & 11)	1
45	3296–29	Nut–Lock	3
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

Ref. No.	Part No.	Description	No. Used
60	75–5910	Hose–Hydraulic	1
61	83–6780	Pin–Cylinder (Long)	2
62	93–6687	Decal–No Step	2
64	340–13	Fitting–Straight (Incl. Ref. #5)	2
65	82–6490	Hose–Hydraulic	1
66	32144–14	Screw–Self Tapping	3
67	98–8068	Hydraulic Cylinder Asm.	1
68	3290–378	Tie–Cable	5
69	92–9097	Set Screw	3
70	340–143	Fitting–Hydraulic 90° (Incl. Ref. #3)	1
71	82–8270	Valve–Flow Control	1
*	93–6688	Decal–Hands/Feet (Mounted on Cutting Unit Frames)	3

* Not Illustrated

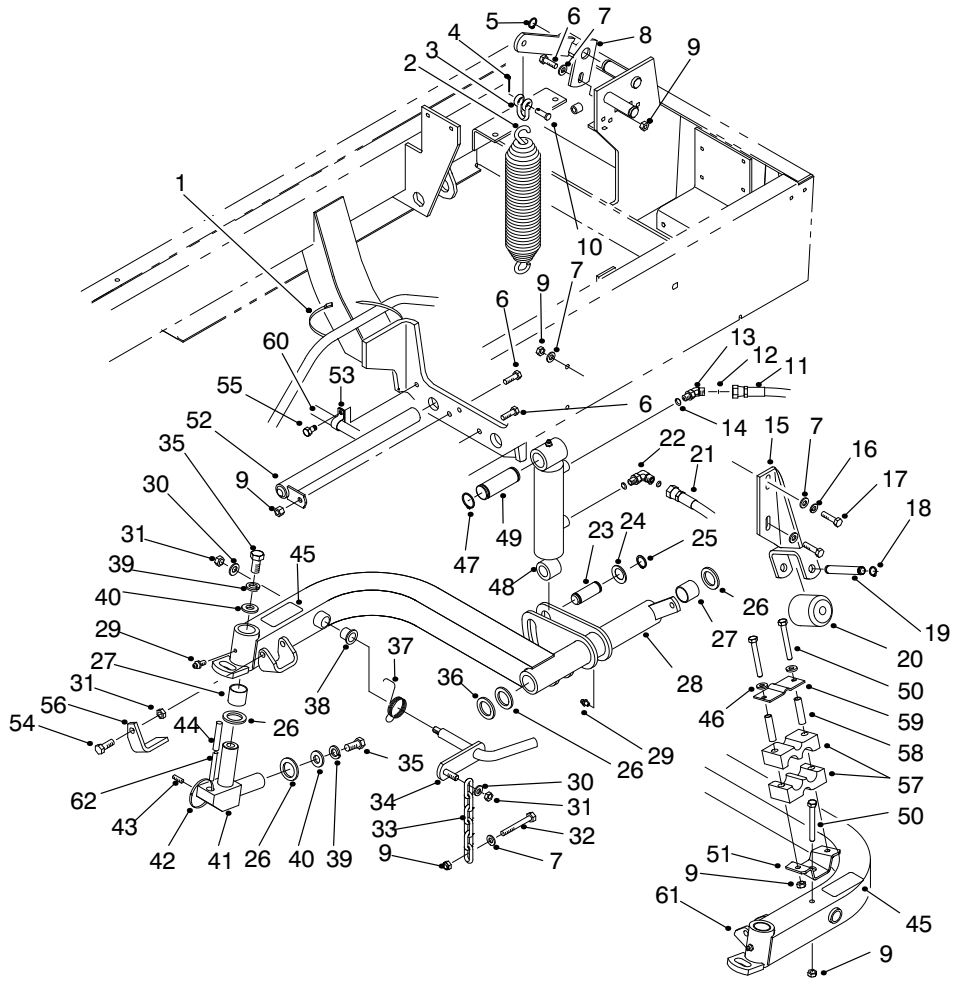


REAR LIFT ARMS ASSEMBLY

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	Lift Arm Asm– 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

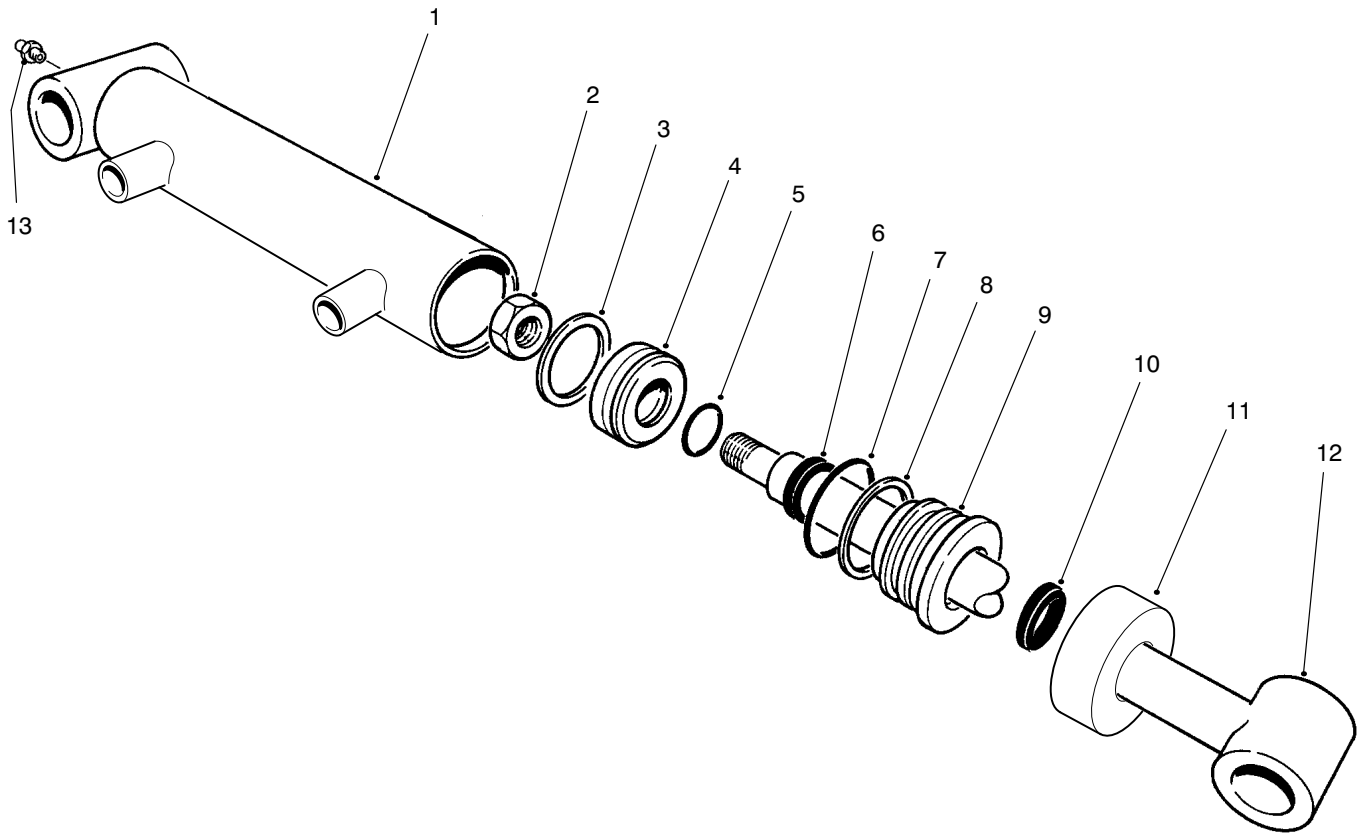


REAR LIFT ARMS ASSEMBLY (Continued)

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	Hydraulic Cylinder Asm−	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	Lift Arm Asm− 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

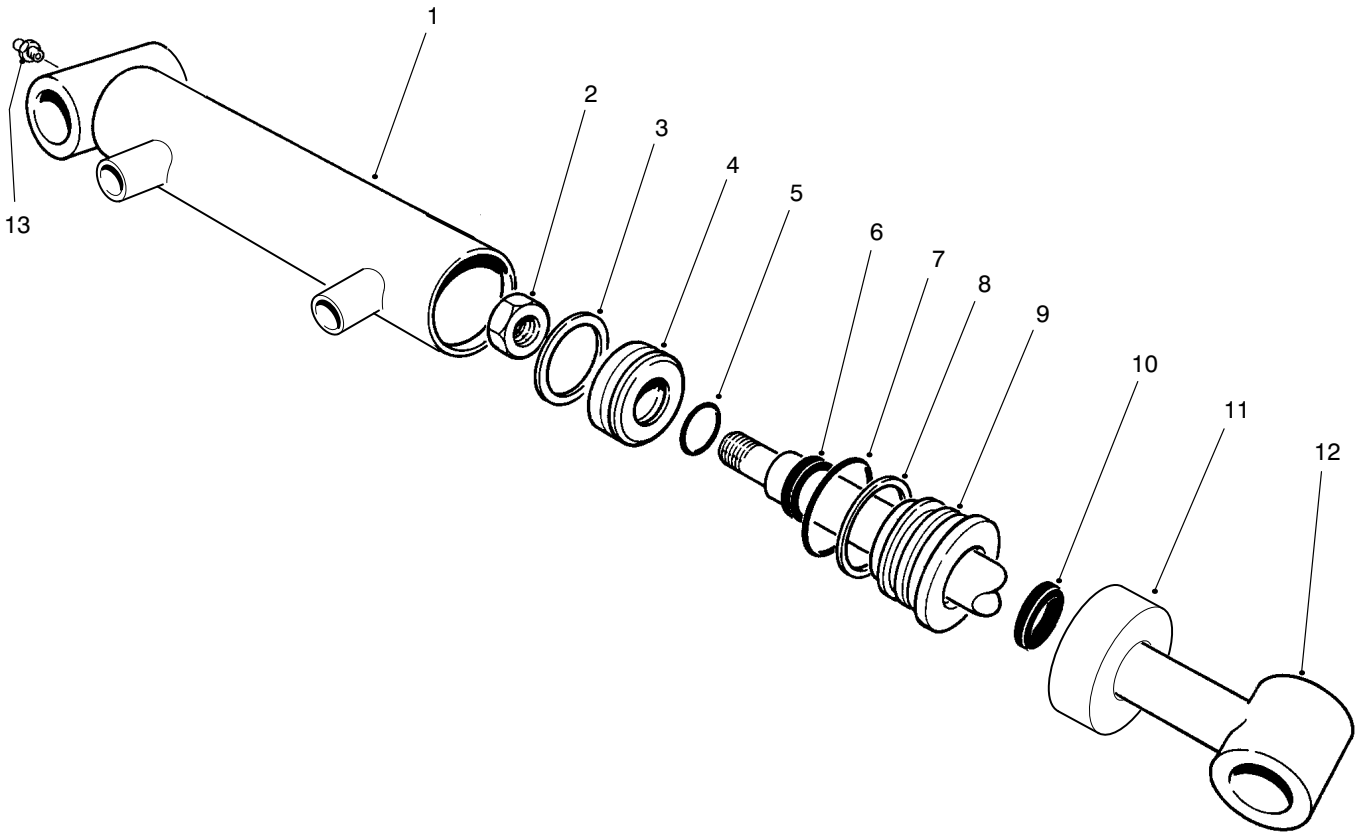
HYDRAULIC CYLINDER NO. 93–9311

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

3321−513



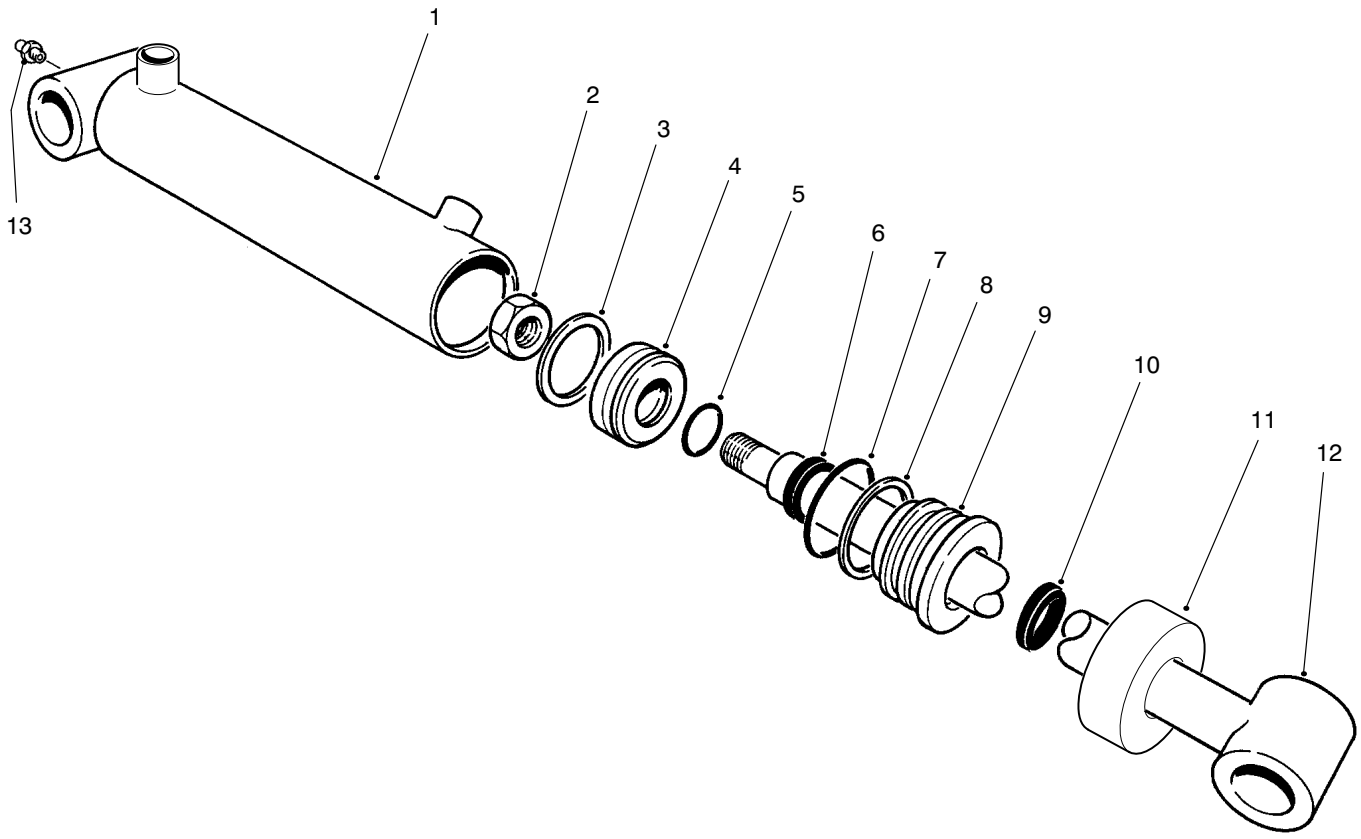
T−2114−2

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



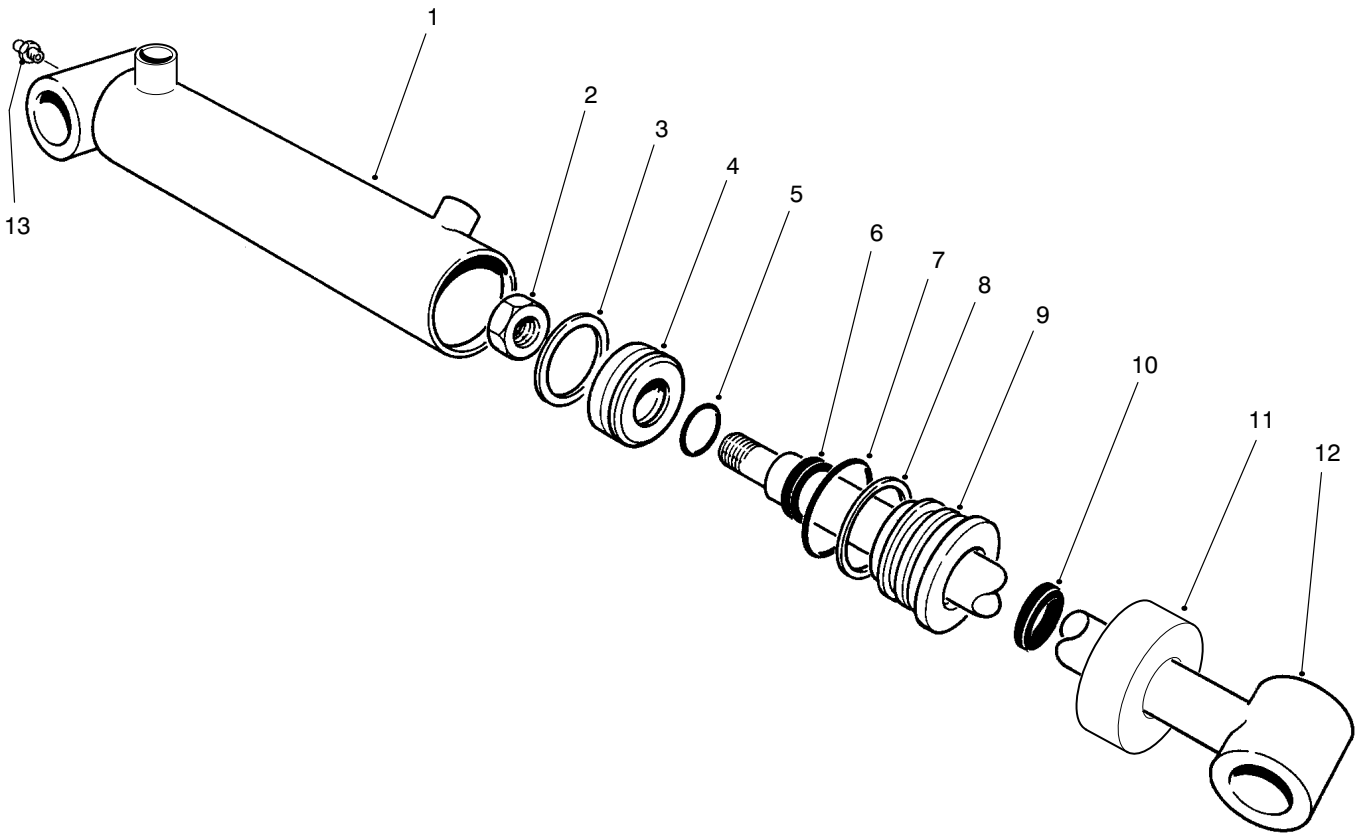
T–2115–1

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



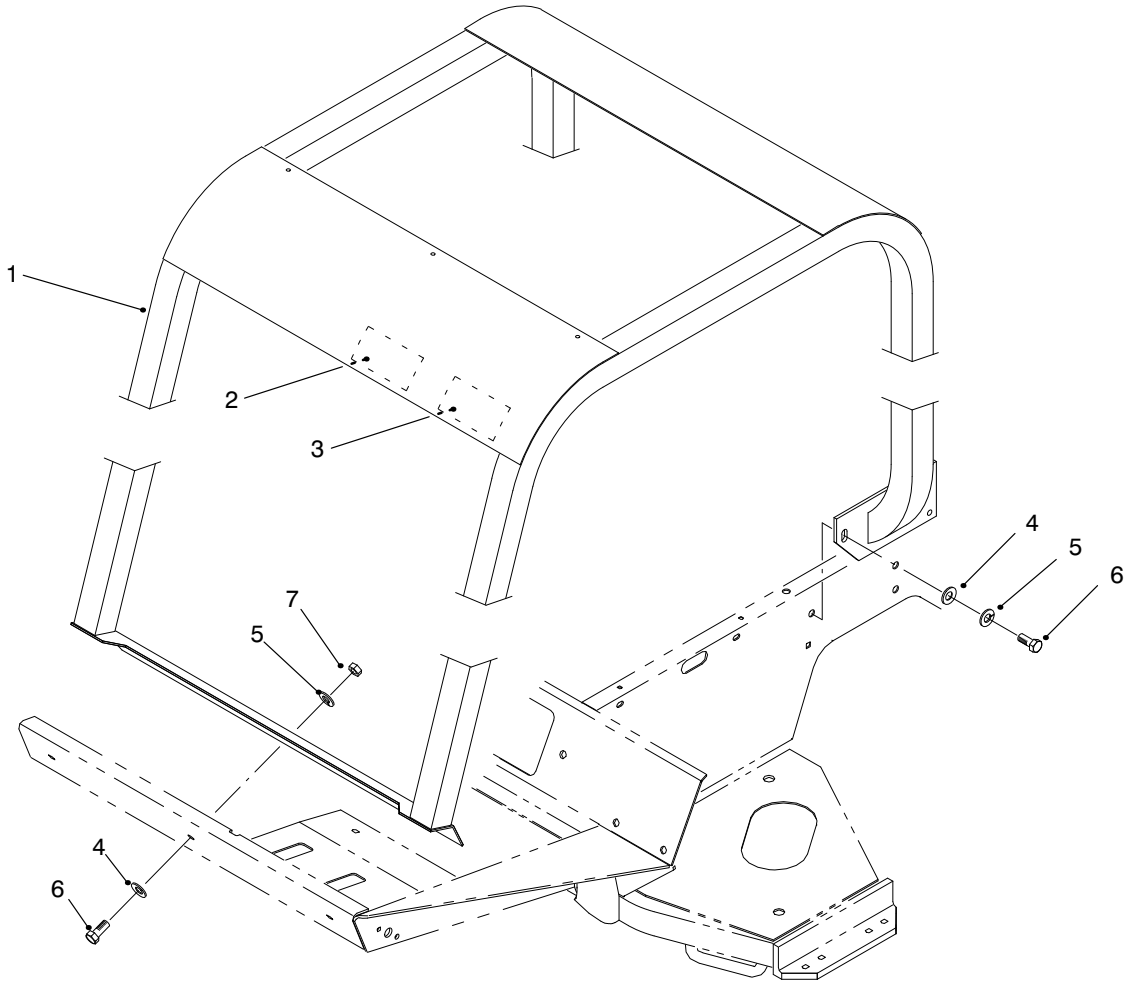
T−2115−1

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



T−1959−1

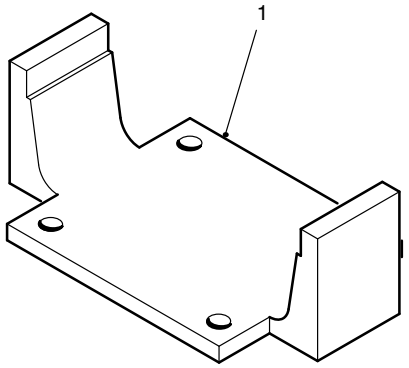
ROLL OVER PROTECTION SYSTEM (R.O.P.S.) (Optional)

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
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	28	22	2
3–6498	Washer–Thrust	71	24	4
3–6498	Washer–Thrust	69	30	6
3–6657	Clamp–Cable	6	29	1
3–6657	Clamp–Cable	35	51	1
5–0652	Spacer	5	42	1
5–0743	Spring–Counterbalance	71	2	2
5–0743	Spring–Extension	69	22	3
5–1096	Chain–Cutting Unit	71	33	2
5–1226	Washer–Shim	66	8	3
10–6830	Stud–Drive	66	27	10
10–8110	Washer–Thrust	66	9	2
21–0141	Joint–Ball	66	35	2
21–0151	Joint–Ball LH Thread	66	39	2
21–2820	Hub–Rear Wheel	66	18	2
21–4191	Asm–Seat Belt	77	*	1
21–7670	Case–Differential	25	33	1
21–7690	Gear–Pinion	24	6	2
21–7700	Shaft–Pinion Mate	25	31	1
21–7710	Pin–Roll	25	30	1
21–7720	Washer–Thrust	24	4	2
21–7730	Washer–Thrust	24	7	2
21–7770	Screw–Drive Gear	25	32	5
21–8020	Spacer–Front Pinion	25	25	1
21–8090	Diff. Adjust. Shim .003	25	38	A/R
21–8100	Diff. Adjust. Shim .005	25	37	A/R
21–8110	Diff. Adjust. Shim .010	25	36	A/R
21–8120	Diff. Adjust. Shim .030	25	35	A/R
21–8180	Bearing	26	3	2
21–8270	Pin–Dowel	24	3	2
21–8360	Clip–Retaining	26	10	2
21–8390	Cup–Bearing	25	24	1
21–9260	Seal–Shaft	3	27	1
21–9370	Screw–Adjusting	26	7	2
21–9380	Nut–Pivot	26	8	2
21–9390	Socket–Adjusting Screw	26	6	2
21–9420	Spring–Shoe Return, LH	26	17	2
21–9430	Spring–Shoe Return, RH	26	18	2
21–9440	Spring–Adjusting Screw	26	14	2
21–9450	Shield–Dust	26	4	2
21–9460	Retainer–Brake, Parking	26	15	4
23–2140	Hose–Fuel	21	5	1
23–2270	Bushing–Rubber	28	26	1
23–7270	Nut–Lug	22	2	10
24–0760	Exchanger–Heat	31	45	1
24–8790	Gear–Bevel, Differential	24	5	2
24–8840	Ring–Bearing, Wheel	26	22	2
24–9180	Lever, Brake, Parking	26	19	2
25–8640	Screw–HH	6	25	2
27–2360	Asm–Ignition Switch	10	19	1
27–3710	Dipstick–Axle	23	48	1
27–6852	Shaft–Axle, Flanged RH	26	*	1
27–6862	Shaft–Axle, Flanged LH	26	1	1
28–0670	Seal–Oil	26	13	2
28–0680	Drum–Brake	26	11	2
28–1280	Boot–Cable	63	44	1
29–6162	Switch–Neutral	28	6	1
38–3400	Guard–Rubber	17	8	2
42–6080	Shim–Axle	22	43	A/R
42–9560	Stud	62	11	4
42–9560	Stud	33	28	4
42–9600	Washer–Lock	33	17	2
42–9600	Washer–Lock	34	32	14
42–9850	Washer–Lock	33	12	9
42–9850	Washer–Lock	34	23	3
43–0090	Screw–HH	33	16	2
43–0090	Screw–HH	34	31	14
43–5930	Washer–Lock	34	21	1
43–6710	Diff. Adjust. Shim .003	24	15	A/R
43–6711	Diff. Adjust. Shim .005	24	16	A/R
43–6712	Diff. Adjust. Shim .010	24	17	A/R
43–6713	Diff. Adjust. Shim .030	24	18	A/R
43–6750	Cup–Bearing, Tapered	24	10	1
43–6760	Cone–Bearing, tapered	24	9	1
43–6810	Spider–Torque	26	5	2
44–2210	Asm–Lights, Warning	3	32	1
46–6550	Connector–Fuel, Elbow 90˚	21	19	1
46–6560	Grommet	21	20	2
46–8091	Screw–HH	1	7	4
47–0110	Spacer–Spindle	34	6	1
48–7430	Pre–Cleaner	63	4	1
48–7890	Nut–Hex.	34	22	1
49–6440	Plate–Traction Pedal	5	11	1
57–6390	Nut–Lock	34	24	1
61–2790	Screen–Filler	13	3	1
62–5550	Decal–TORO	1	1	1
62–5550	Decal–Toro	63	7	1
62–7400	Decal–TORO	1	16	1
62–7650	Gasket–Sending Unit	21	6	1
63–6890	Hinge–Hood RH	1	17	1
63–6900	Hinge–Hood LH	1	17	1
63–7590	Relay–Starter	31	42	1
63–7640	Unit–Sending	21	7	1
63–7732	Cable–Brake RH	5	*	1
63–7733	Cable–Brake LH	5	29	1
63–7880	Pin–Brake Latch	5	28	1
63–7900	Rack–Parking Brake	3	20	1
63–8140	Pulley–Idler	34	46	1
63–8360	Key–Ignition	10	9	1
63–8410	Washer–Flat	21	24	3
63–8410	Washer–Flat	13	37	3
63–9640	Hose–Fuel	21	17	1
63–9920	Decal–EEC 105	6	46	1
65–5100	Handle	1	5	2
66–2330	Base–Battery	63	18	1
66–2490	Clamp–Battery	63	17	1
66–2920	Washer–Friction	6	32	2
66–2990	Cap–Spindle	67	51	2
66–3180	Tube–Vent	31	26	1
66–3240	Cap–Radiator	31	13	1
66–4190	Spring	6	37	1
66–6480	Washer–Flat	22	44	4
66–8121	Standpipe–Elbow 90˚	21	18	1
66–8520	Bumper–Down–stop	7	17	2
66–8530	Adjuster	7	16	1
66–8560	Nut–Push	7	11	4
66–8610	Weldment–Lower	7	10	1
66–8800	Relay–Glow Plug	32	56	1
66–9290	Spacer	7	15	6
66–9770	Seal	4	28	1
66–9780	Bushing	4	29	1
66–9860	Upper Cover & Jacket	4	37	1
66–9870	Plate–Retaining	4	38	1
66–9880	Washer–Retaining Plate	4	39	1
66–9890	Ring–Retaining	4	40	1
66–9900	Shaft–Input	4	41	1
66–9970	Kit–Spring	4	*	1
66–9980	Kit–Seal	4	*	1
66–9990	Kit–Needle Roller	4	*	1
67–1630	Spacer–Fan	34	11	1
67–1750	Bushing–Sleeve	69	9	12
67–1750	Bushing–Sleeve	71	27	8
67–1750	Bushing–Sleeve	67	54	4
67–1751	Bushing–Sleeve	66	10	2
67–7160	Block–Fuse	10	21	2
67–7250	Spacer–Cylinder	66	13	1
67–9410	Washer–Thrust	66	29	2
68–5140	Cap–Steering Wheel	3	7	1
68–5370	Decal–TORO	3	5	1
68–6150	Breather–Hydraulic Tank	13	2	1
69–8930	Washer–Flat	19	13	8
69–8960	Spacer	19	29	4
70–2780	Piston	73	4	1
70–2780	Piston	74	4	1
70–2780	Piston	76	4	1
70–8570	Breaker–Circuit, 40 Amp	11	*	2
71–3381	Hose–Fuel	63	37	1
71–4330	Seal	25	41	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
71–4350	Nut	24	20	1
72–3570	Shim .094–Diff. Adjust.	24	22	A/R
72–3571	Shim .096–Diff. Adjust.	24	*	A/R
72–3572	Shim .098–Diff. Adjust.	24	*	A/R
72–3573	Shim .100–Diff. Adjust.	24	22	A/R
72–3574	Shim .102–Diff. Adjust.	24	*	A/R
72–3575	Shim .104–Diff. Adjust.	24	*	A/R
72–3576	Shim .106–Diff. Adjust.	24	*	A/R
72–3577	Shim .108–Diff. Adjust.	24	*	A/R
72–3578	Shim .110–Diff. Adjust.	24	*	A/R
72–3580	Shim .112–Diff. Adjust.	24	*	A/R
72–3581	Shim .114–Diff. Adjust.	24	*	A/R
72–3582	Shim .116–Diff. Adjust.	24	*	A/R
72–3583	Shim .118–Diff. Adjust.	24	*	A/R
72–3584	Shim .120–Diff. Adjust.	24	*	A/R
72–3585	Shim .125–Diff. Adjust.	24	*	A/R
72–3586	Shim .127–Diff. Adjust.	24	*	A/R
72–3587	Shim .129–Diff. Adjust.	24	*	A/R
72–3588	Shim .131–Diff. Adjust.	24	*	A/R
72–3590	Shim .133–Diff. Adjust.	24	*	A/R
72–3591	Shim .135–Diff. Adjust.	24	*	A/R
72–3592	Shim .137–Diff. Adjust.	24	*	A/R
72–3593	Shim .139–Diff. Adjust.	24	*	A/R
72–3594	Shim .141–Diff. Adjust.	24	*	A/R
72–3595	Shim .143–Diff. Adjust.	24	*	A/R
72–3596	Shim .145–Diff. Adjust.	24	*	A/R
72–3597	Shim .147–Diff. Adjust.	24	*	A/R
72–3598	Shim .149–Diff. Adjust.	24	*	A/R
72–3600	Shim .151–Diff. Adjust.	25	22	A/R
72–9420	Asm–Vent Tube	25	39	1
74–0720	Tube–Manual	6	11	1
74–3810	Asm–Load Plate	20	9	1
74–5520	Clutch–Fan	34	1	1
74–5950	Asm–Swell Latch	10	5	1
74–5950	Asm–Swell Latch	2	44	3
74–9100	Pad–Forward	5	12	1
74–9110	Pad–Reverse	5	14	1
75–0012	Asm–Transmission	22	34	1
75–0020	Housing	27	5	1
75–0030	Gasket–Housing	27	46	1
75–0040	Center Section	27	18	1
75–0060	Plug	27	20	4
75–0070	Plug	27	41	1
75–0090	Screw–HH	27	9	8
75–0110	Screw–HH	27	35	2
75–0120	Screw–HH	27	28	1
75–0130	Screw–HH	27	24	3
75–0140	Spring–Conical	27	26	1
75–0150	Guide–Seal	27	2	1
75–0160	Plug–Pipe	27	47	1
75–0170	Plug–Straight Thread	27	19	4
75–0180	Screw–HH	27	36	2
75–0190	Plug–Special	27	27	2
75–0200	Plug–Straight Thread	27	38	2
75–0210	O–Ring	27	6	2
75–0220	Pin	27	48	2
75–0230	Seal–Lip	27	8	1
75–0240	O–Ring	27	21	6
75–0250	Pin–Slotted	27	54	1
75–0260	Valve–Relief	27	23	4
75–0270	Spring	27	39	1
75–0280	Spring	27	42	1
75–0290	Spring	27	22	2
75–0310	Shim	27	40	1
75–0320	Nipple	27	37	1
75–0330	Seal–Lip	27	34	1
75–0340	Bearing–Needle	27	33	1
75–0350	Pin	27	31	1
75–0360	Gerotor	27	30	1
75–0370	O–Ring	27	29	1
75–0380	Plate–Valve	27	15	1
75–0390	Plate–Swash	27	12	1
75–0400	Plate–Thrust	27	13	2
75–0410	O–Ring	27	3	1
75–0430	Ring–Retaining	27	1	1
75–0440	Shaft–Motor	27	45	1
75–0450	Collar	27	50	1
75–0460	Bearing–Ball	27	51	2
75–0470	Kit–Cylinder Block	27	14	2
75–0480	Pin	27	10	2
75–0500	Bearing–Needle	27	16	2
75–0510	Pin	27	17	1
75–0520	Bearing–Ball	27	4	1
75–0550	Strainer–Suction	13	29	1
75–0560	Asm–Steering Wheel	3	4	1
75–0570	Cable–Hood	1	21	1
75–0600	Asm–Steering Valve	3	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	25	34	1
75–0920	Cartridge–Relief 3000 psi	16	13	1
75–0930	Hook–Oil Cooler	31	6	4
75–1010	Asm–Switch, Toggle	10	16	1
75–1020	Switch–Backlap	31	44	1
75–1040	Cooler–Oil	32	52	1
75–1180	Manifold	18	7	2
75–1180	Manifold–Hydraulic	17	23	1
75–1200	Asm–Hydraulic Cylinder	67	47	1
75–1210	Nut–Lock	68	2	1
75–1220	Piston	68	3	1
75–1230	Asm–Piston Rod	68	5	1
75–1250	Seal Kit	68	6	1
75–1260	Head–Internal	68	4	1
75–1300	Asm–Hydraulic Filter Head	13	31	1
75–1310	Element–Hydraulic Filter	13	34	1
75–1320	Filter–Oil	22	31	1
75–1340	Valve–Power Steering	4	*	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	5	35	1
75–1440	Pedal–Brake LH	5	33	1
75–1470	Shaft–Brake Pedal	5	36	1
75–1490	Rod–Parking Brake	3	13	1
75–2010	Cartridge–Relief 2000 psi	16	14	1
75–2120	Shaft and Tube	76	12	1
75–2170	Tube–Pump Control	5	37	1
75–2810	Clamp–Steering Valve	3	3	1
75–2851	Hose–Expansion Tank	31	16	1
75–2900	Asm–Rear Axle	67	45	1
75–2970	Pedal–Traction	5	13	1
75–3010	Joint–Arm	71	41	2
75–3010	Joint–Arm	70	54	3
75–3110	Collar–Transmission	22	14	1
75–3130	Rod–Tie	66	37	2
75–3270	Lever–Traction Pivot	5	8	1
75–3390	Bracket–Backlap	32	55	1
75–3400	Shaft–Seat Pivot	6	15	1
75–3430	Rod–Throttle	6	33	1
75–3480	Weldment–Upper	7	23	1
75–3510	Bolt–Shoulder	7	26	2
75–3530	Spring–Compression	7	3	1
75–3540	Pin–Roll	7	6	1
75–3550	Bumper–Seat	7	7	2
75–3580	Plate–Mounting, Seat	7	2	1
75–3680	Rod–Seat	6	20	1
75–3780	Fan	34	2	1
75–3790	Shaft and Tube	73	12	1
75–3790	Shaft and Tube	74	12	1
75–3810	Bracket–Roller	71	15	2
75–3860	Fender–LH	1	29	1
75–4080	Plate–Traction	28	15	1
75–4100	Control–Pump	28	25	1
75–4130	Plate–Switch	28	7	1
75–4180	Pin–Rear Axle Pivot	67	44	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
75–4360	Bracket–Switch	6	8	1
75–4370	Bracket–Switch (Seat)	6	3	1
75–4400	Adaptor–Transmission	29	8	1
75–4410	Asm–Pivot Plate	66	42	1
75–4450	Hub–Fan Drive	34	9	1
75–4520	Spring–Torsion RH	71	37	1
75–4530	Spring–Torsion LH	71	*	1
75–4550	Shaft–Center Arm Pivot	69	27	1
75–4590	Rod–Pivot	71	34	2
75–4700	Hose–Fuel	21	12	1
75–4701	Hose–Fuel Vent	31	28	1
75–4720	Fitting–Hydraulic 90˚	22	26	1
75–5200	Bracket–Spring RH	69	*	1
75–5210	Bracket–Spring Center	69	16	1
75–5220	Bracket–Spring LH	69	*	1
75–5310	Spacer–Bearing	34	8	1
75–5350	Pin–Cylinder Rod End	71	23	2
75–5350	Pin–Cylinder Rod End	69	31	3
75–5360	Pin–Cylinder Cap End	72	49	2
75–5390	Roller	71	20	2
75–5400	Shaft–Roller	71	19	2
75–5410	Bracket–Arm	70	53	2
75–5470	Spacer	28	12	2
75–5720	Hose–Hydraulic	13	19	1
75–5740	Box–Control	10	24	1
75–5780	Hinge–Cover	2	51	1
75–5780	Hinge–Cover	11	59	1
75–5810	Tool Box	1	6	1
75–5890	Hose–Hydraulic	17	10	1
75–5890	Hose–Hydraulic	69	28	2
75–5890	Hose–Hydraulic	15	35	1
75–5900	Hose–Hydraulic	15	30	1
75–5900	Hose–Hydraulic	70	47	1
75–5910	Hose–Hydraulic	17	11	1
75–5910	Hose–Hydraulic	70	60	1
75–5940	Hose–Hydraulic	17	9	1
75–5940	Hose–Hydraulic AUX	3	23	1
75–6070	Hose–Hydraulic	18	15	1
75–6070	Hose–Hydraulic (Cap)	71	11	1
75–6080	Hose–Hydraulic	18	14	1
75–6080	Hose–Hydraulic LH (Rod)	71	*	1
75–6130	Hose–Hydraulic	13	9	1
75–6180	Hose–Hydraulic	18	1	2
75–6180	Hose–Hydraulic RH (Rod)	71	21	2
75–6230	Hose–Hydraulic	66	34	1
75–6230	Hose–Hydraulic	67	50	1
75–6230	Hose–Hydraulic RT	3	18	2
75–6240	Hose–Hydraulic	29	14	1
75–6240	Hose–Hydraulic IN	3	19	1
75–6250	Hose–Hydraulic	13	17	1
75–6250	Hose–Hydraulic OUT	3	25	1
75–6260	Cover–Tool Box	2	47	1
75–6270	Cover–Control Box	10	15	1
75–6340	Strainer–In–Line	22	41	1
75–6350	Hose	22	28	1
75–6370	Cover–Sensor	70	49	1
75–6380	Shaft–Fan	34	3	1
75–6490	Lever–Pedal Stop	5	20	1
75–6510	Lever–Bracket	5	16	1
75–6550	Disc–Friction	5	17	1
75–6580	Cable–Pedal	5	7	1
75–6640	Fitting–Hydraulic 90˚	15	20	2
75–6680	Bar–Weight	63	8	1
75–6720	Plate–Locating	16	29	2
75–6730	Plate–Detent	16	27	2
75–6770	Nut–Jam	16	25	4
75–6820	Meter–Hour	11	47	1
75–6840	Knob–Knurled	2	42	3
75–6850	Tube–Oil Fill	22	47	1
75–6870	Hose–Hydraulic Suction	13	28	1
75–6870	Hose–Suction	29	1	1
75–6880	Screen–Spark Arrester	33	*	1
75–6930	Valve–SCR	27	52	1
76–1910	Shaft–Pivot	7	12	2
76–1920	Bushing–Sleeve	7	9	4
76–1930	Knob–Tension Adjustment	7	19	1
76–1940	Spring–Extension	7	14	2
76–2940	Bumper–Rubber	7	8	2
76–2970	Bushing–Sleeve	66	43	2
76–2980	Washer–Thrust	66	41	1
76–8640	Stud–Traction	28	23	1
76–8730	Decal–Bolt Torque	22	1	2
76–9430	Spring–Extension	28	8	1
77–2870	Weldment–Hanger	7	18	1
80–4860	Pin–Clevis	7	1	1
82–3110	Switch	59	16	1
82–6490	Hose–Hydraulic	70	65	1
82–8170	Clamp	19	35	4
82–8170	Clamp	72	57	2
82–8170	Clamp–Hose	69	8	8
82–8170	Clamp–Rubber	17	20	4
82–8270	Valve–Flow Control	18	13	1
82–8270	Valve–Flow Control	15	31	1
82–8270	Valve–Flow Control	70	71	1
82–8520	Detent Assembly Kit	16	*	2
82–9060	Adjuster W/Handle	7	13	1
83–1030	Mount–Engine	34	37	4
83–4780	Housing–Charge Pump	27	32	1
83–4910	Coupler–Pinion	25	40	1
83–5130	Spacer–Pinion	24	21	1
83–5170	Stop–Reel LH	72	*	1
83–6780	Pin–Cylinder (Long)	70	61	2
83–6790	Pin–Cylinder (Short)	69	43	1
83–7410	Roll–Bar	77	1	1
83–7430	Decal–Danger	77	3	1
84–1710	Piston	75	4	1
84–1740	Shaft and Tube	75	12	1
84–1760	Seal Repair Kit	75	*	1
84–4300	Decal–Danger (Japan)	77	3	1
84–8320	Insert–Hinge	69	10	4
84–8590	Asm–Shoe & Lining	26	16	4
84–8600	Set of Lined Brake Shoes	26	*	1
85–4330	Cover–Gear	22	9	1
85–4340	Plate–Sensor Mounting	22	11	1
85–4350	Sensor–Gear Tooth	22	5	1
85–4420	Gauge–Speedometer	10	2	1
85–4491	Lamp–Diagnostic	11	57	1
85–4650	Connector–Loop Back	11	*	1
85–4750	Display–Diagnostic–ACE	8	2	1
85–9900	Plate–Spring Anchor	28	16	1
85–9910	Eyebolt	28	27	1
85–9980	Decal–R.O.P.S.	77	2	1
86–7220	Gear–Pinion	22	37	1
86–7230	Gear–Spur	24	14	1
86–7330	Seal Repair Kit	73	*	1
86–7330	Seal Repair Kit	74	*	1
86–7330	Seal Repair Kit	76	*	1
86–7520	Asm–Trunnion Cover RH	27	7	1
86–7530	Asm–Trunnion Cover LH	27	49	1
86–7540	Shaft–Pump	27	11	1
86–7550	Connector–Cover (2 Way)	11	*	2
86–7560	Connector–Cover (3 Way)	11	*	3
86–9190	Hose–Hydraulic	15	14	2
87–5100	Washer–Snubbing	34	29	4
88–6960	Cartridge–4W/2P	16	19	3
88–7020	Cartridge–N.O.	16	3	2
88–9190	Solenoid–20 Watt	16	4	6
88–9200	Solenoid–28 Watt	16	8	3
92–1180	Asm–Seat	6	45	1
92–1773	Screw–HH	24	11	4
92–1774	Seal–Oil	26	2	2
92–2379	Clamp	21	33	2
92–2379	Clamp–Hose	31	14	1
92–2379	Clamp–Hose	63	29	1
92–2581	Asm–Switch Arm	28	21	1
92–4808	Sleeve–Trans. Pilot	22	15	1
92–4846	Asm–Trans. Support	22	39	1
92–4999	Fitting–Hydraulic 90˚	32	51	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
92–5524	Decal–Noise Rating, 90	6	47	1
92–5720	Controller–Electronic	10	31	1
92–5751	Decal–Hood Trim LH	1	23	1
92–5752	Decal–Hood Trim RH	1	*	1
92–5797	Gasket–Axle	22	10	1
92–6315	Cartridge–N.C.	16	22	1
92–6533	Kit–Cushion, Replacement	6	44	1
92–6534	Shell–Seat	6	43	1
92–8001	Sensor–Reed Switch	6	6	1
92–8002	Sensor–Reed Switch	69	12	1
92–8020	Adapter–Breather	13	26	3
92–8753	Magnet–Reed Switch	6	5	1
92–8754	Actuator–Reed Switch	70	51	1
92–8775	Kit–Gasket, Liquid	26	*	1
92–8795	Asm–Body	20	10	1
92–8796	Pin–Dowel	20	14	2
92–8863	Kit–Repair	20	*	1
92–9096	Asm–Hose	14	46	1
92–9096	Hose–Hydraulic	17	22	1
92–9097	Set Screw	71	43	2
92–9097	Set Screw	70	69	3
92–9098	Manifold–Tank	13	14	1
93–0005	Strip–Foam, Top	31	11	1
93–0021	Asm–Throttle Cable Swivel	6	26	1
93–0025	Shield–Radiator	31	33	1
93–0030	Asm–Cooler Mount RH	31	9	1
93–0032	Housing–Front Screen	31	2	1
93–0064	Support–Rear Axle	66	4	1
93–0069	Pin–Pivot	72	52	2
93–0071	Asm–Cooler Mount LH	31	*	1
93–0075	Hose–Hydraulic	22	30	1
93–0075	Hose–Trans. to Cooler	32	*	1
93–0076	Hose–Hydraulic	22	21	1
93–0076	Hose–Trans. to Cooler	32	46	1
93–0077	Hose–Cooler, RH	32	49	1
93–0077	Hose–Hydraulic	13	30	1
93–0078	Hose–Cooler, LH	32	*	1
93–0078	Hose–Hydraulic	15	21	1
93–0081	Strip–Seal	1	9	1
93–0082	Grommet	32	58	2
93–0083	Plate–Valve	27	44	1
93–0089	Bracket–Mount LH, Cooler	31	*4	1
93–0090	Bracket–Mount RH, Cooler	31	4	1
93–0095	Bracket–Eng. Front	35	59	2
93–0097	Valve–SCR	27	25	1
93–0118	Hose–Hydraulic	18	9	2
93–0118	Hose–Hydraulic	17	12	1
93–0118	Hose–Hydraulic	15	33	1
93–0119	Hose–Hydraulic	17	13	1
93–0119	Hose–Hydraulic	13	21	1
93–0139	Manifold–Hydraulic	17	17	1
93–0140	Grommet	6	10	1
93–0142	Bushing–Straight	71	36	2
93–0143	Cartridge–Relief 250 psi	17	18	1
93–0307	Retainer	67	53	2
93–0309	Washer–Tab	66	22	2
93–1374	Latch–Swell	31	1	2
93–1375	Motor–Hydraulic	19	21	5
93–1376	Asm–Pump, Gear	29	18	1
93–1396	Coupler–Trans.	29	7	1
93–2042	Hose–Fuel	21	10	1
93–3102	Cap–Fuel Tank	21	21	1
93–3163	Spring	7	28	2
93–3164	Cap	7	27	2
93–3165	Bracket	7	29	1
93–3604	Gasket	29	6	1
93–3609	Bolt–Special	4	36	4
93–3612	Fitting–Hydraulic 90°	15	25	1
93–3614	Asm–Cover	20	4	1
93–3615	Asm–Drive Shaft	20	7	1
93–3616	Asm–Idler Gear	20	6	1
93–3617	Asm–Differential	25	*	1
93–3618	Asm–Gear & Pinion	25	*	1
93–3619	Upper Housing	25	26	1
93–3623	Strip–Sealing, Radiator	32	61	2
93–3624	Plate–Retaining	32	62	2
93–3625	Spring–Joystick Return	11	58	1
93–3626	Bracket–Hose	2	41	1
93–3640	Stop–Reel RH	72	56	1
93–3642	Tube–Hydraulic	29	13	1
93–3642	Tube–Hydraulic	15	38	1
93–3643	Tube–Hydraulic	29	12	1
93–3643	Tube–Hydraulic	15	39	1
93–4268	Kit–Flange	30	*	1
93–4269	Kit–Housing, Section 1	30	*	1
93–4270	Kit–Housing, Section 2	30	*	1
93–4271	Kit–Housing, Section 3	30	*	1
93–4272	Kit–Individual Pieces	30	*	1
93–4277	Kit–Valve	30	19	1
93–4278	Pin–Dowel	30	4	4
93–4279	Plate–Distance	30	13	2
93–4280	Coupling	30	9	2
93–4281	Pin–Dowel	30	22	4
93–4282	Block–Valve	30	18	1
93–4283	Bolt	30	17	4
93–6668	Decal–Battery	63	19	1
93–6680	Decal–Fuel	1	28	1
93–6682	Panel–Tower	3	10	1
93–6683	Panel–Control	10	14	1
93–6684	Decal–Backlap	32	53	1
93–6686	Decal–Hyd. Oil	1	4	1
93–6686	Decal–Oil	17	7	1
93–6687	Decal–No Step	70	62	2
93–6688	Decal–Hands/Feet	70	*	3
93–6688	Decal–Hands/Feet	72	*	2
93–6689	Decal–No Riders	2	32	2
93–6691	Decal–Bolt	22	17	1
93–6692	Decal–Starting Fluid	63	3	1
93–6693	Decal–Floor Plate	17	6	1
93–6696	Decal–Warning	69	33	3
93–6696	Decal–Warning	72	45	2
93–6698	Decal–Warning	1	24	1
93–6699	Decal–Fast/Slow	5	18	1
93–7000	Spindle–Rear RH	66	*	1
93–7001	Spindle–Rear LH	66	15	1
93–7183	Kit–Lift Control	10	41	1
93–7276	Decal–Danger	63	20	1
93–7480	Bulb–LED	3	35	1
93–7488	Reservoir–Hydraulic	13	1	1
93–7498	Plug–Plastic	13	6	1
93–7499	Gasket–Flange	13	5	1
93–7557	Asm–Barrel	76	1	1
93–7558	Asm–Barrel	75	1	1
93–7579	Fender–RH	1	3	1
93–7587	Bracket–Fuse Block	10	23	1
93–7588	Cover–Tank	13	8	1
93–7840	Decal–Radiator Cap	31	37	1
93–7960	Spacer	17	19	4
93–7960	Spacer	19	34	4
93–7960	Spacer	69	36	6
93–7960	Spacer	72	58	2
93–7961	Clamp	17	28	2
93–7961	Clamp	72	59	1
93–7961	Clamp–Case Drain	19	33	2
93–7961	Clamp–Rubber	69	34	3
93–7990	Head	73	9	1
93–7990	Head	74	9	1
93–7991	Collar	73	11	1
93–7991	Collar	74	11	1
93–7991	Collar	76	11	1
93–7994	Collar	75	11	1
93–8050	Decal–Danger (Europe)	77	3	1
93–8051	Decal–Warning	2	48	1
93–8052	Decal–Instructions	63	40	1
93–8053	Decal–ECU	11	61	1
93–8060	Decal–Danger	6	17	1
93–8073	Decal–R.O.P.S. (Europe)	77	2	1
93–8742	Pad–Brake	5	26	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
93–8744	Rivet	2	52	3
93–8744	Rivet	11	60	3
93–9151	Fitting–Hydraulic	19	30	4
93–9164	Indicator–Service	63	24	1
93–9310	Asm–Hydraulic Cylinder	70	46	1
93–9311	Hydraulic Cylinder Asm–	72	48	2
93–9312	Asm–Barrel	74	1	1
93–9313	Asm–Barrel	73	1	1
94–1416	Asm–Adapter, Indicator	63	27	1
94–2685	Cartridge–N.C.	16	7	3
94–3055	Cap–Lower, Joystick	11	63	1
94–3056	Ring–Retaining	11	64	1
94–3057	Spring–Compression	11	65	1
94–3058	Cap–Upper, Joystick	11	66	1
94–3510	Asm–Fuel Tank	21	22	1
94–4514	Bracket–Engine RH Rear	34	26	1
94–4913	Asm–Hose, Pressure #2	15	24	1
94–4913	Asm–Hose, Pressure #2	19	27	1
94–4914	Asm–Hose, Pressure #3	19	10	1
94–4914	Asm–Hose, Pressure #3	15	27	1
94–4916	Asm–Hose, Drain, Return	19	26	1
94–4916	Hose Asm–Drain	14	48	1
94–4917	Asm–Tube, Drain #2, 3	19	24	1
94–4918	Asm–Tube, Pressure #2, 3	19	23	1
94–4919	Bracket–Clamp, Hose	72	51	1
94–4920	Plate–Mounting Valve	18	16	1
94–5020	Knob	16	24	2
94–5027	Spring–Detent	16	31	2
94–5386	Decal–Turf Defender, Diag.	8	1	1
94–5438	Seal–Solenoid	16	23	10
94–5594	Lift Arm Asm– Rear LH	72	61	1
94–5596	Lift Arm Asm– Rear RH	71	28	1
94–5598	Asm–Lift Arm RH	69	1	1
94–5800	Asm–Lift Arm LH	69	32	1
94–5802	Asm–Lift Arm, Center	69	40	1
94–5808	Asm–Carrier Frame	70	44	1
94–6031	Fitting–Hydraulic	19	25	1
94–6343	Decal–Wire I.D.	11	*70	1
94–6767	Decal–Fuses	10	27	1
94–6933	Asm–Front Axle	22	46	1
94–6934	Screw–HSH	26	21	8
94–6935	Nut–Lock	26	12	8
94–6936	Washer–Flat	26	23	8
94–8060	Decal–Turf Defender, Diag.	8	1	1
94–8061	Decal–Turf Defender, Diag.	8	1	1
94–8062	Decal–Turf Defender, Diag.	8	1	1
94–8063	Decal–Turf Defender, Diag.	8	1	1
94–8064	Decal–Turf Defender, Diag.	8	1	1
94–8065	Decal–Turf Defender, Diag.	8	1	1
94–8066	Decal–Turf Defender, Diag.	8	1	1
94–8067	Decal–Turf Defender, Diag.	8	1	1
94–8068	Decal–Turf Defender, Diag.	8	1	1
94–8069	Decal–Turf Defender, Diag.	8	1	1
94–8070	Decal–Turf Defender, Diag.	8	1	1
94–8103	Screw–HH	10	39	4
94–8104	Switch–Micro	10	38	2
94–9157	Fuse–4A	10	20	1
94–9411	Dipstick	13	4	1
95–0832	Decal–Service, Blank	1	25	1
95–1821	Spring–Compression	3	12	1
95–4275	Hose–Fuel	63	38	1
95–5642	Kit–Seal	16	*	3
95–5645	Kit–Seal	16	*	10
98–2195	Asm–Lift Control	10	37	1
98–2350	Asm–Seat Plate	6	16	1
98–2352	Frame–Seat	6	28	1
98–2353	Bracket–Seat Latch	6	36	2
98–2354	Latch–Seat	6	35	1
98–2755	Ball	58	16	1
98–4507	Radiator	31	12	1
98–4510	Hose–Air Cleaner	63	33	1
98–4510	Hose–Air Cleaner	35	65	1
98–4511	Hose–Radiator Upper	31	18	1
98–4512	Hose–Radiator Lower	31	24	1
98–4513	Bracket–Eng. Left Rear	35	58	2
98–4515	Bracket–Engine LH Rear	34	25	1
98–4516	Muffler	33	1	1
98–4517	Asm–Air Cleaner	63	2	1
98–4518	Bracket–Air Cleaner	63	25	1
98–4521	Decal–Reelmasterr 5200D	1	10	2
98–4523	Tube–Exhaust	33	7	1
98–4525	Bracket–Mount, Air Cleaner	63	10	1
98–4527	Pipe–Engine Exhaust	33	10	1
98–4530	Support–Fan, Engine	34	41	1
98–4536	Bracket–Spring Rear LH	71	*	1
98–4539	Bracket–Engine LH Front	34	39	1
98–4543	Bracket–Engine Mount RH	34	40	1
98–4547	Plate–Mount, Fan	35	54	1
98–4548	Bracket–Spring Rear RH	71	8	1
98–4549	Asm–Frame	2	43	1
98–4551	Asm–Main Wire Harness	11	56	1
98–4555	Bracket–Muffler	33	2	1
98–4560	Bracket–Mount, Throttle	35	47	1
98–4561	Shield–Alternator	35	63	1
98–4564	Guard–Flywheel	33	14	1
98–4571	Shroud–Fan	31	19	1
98–4572	Bracket–Hose	1	22	1
98–4573	Screen–Hood	1	12	1
98–4575	Bracket–Fan Idler	34	42	1
98–4576	Bracket–Reservoir, Water	63	22	1
98–4577	Bracket–Support, Fan	35	48	1
98–4578	Bracket–Fuel Filter	63	5	1
98–4579	Asm–Control Manifold	15	6	1
98–4581	Asm–Hose, Pressure #2	19	8	1
98–4582	Asm–Hose, Pressure #2	19	15	1
98–4583	Asm–Hose, Drain #2, 3	19	9	2
98–4584	Asm–Hose, Drain	17	1	1
98–4584	Asm–Hose, Drain #5	19	5	1
98–4585	Asm–Hose, Pressure #1, 5	19	1	1
98–4586	Asm–Hose, Pressure #5	15	4	1
98–4586	Asm–Hose, Pressure #5	19	6	1
98–4587	Asm–Hose, Drain #4	19	16	1
98–4587	Hose Asm–Drain #4	17	24	1
98–4588	Asm–Hose, Pressure #1, 4	19	14	1
98–4589	Asm–Hose, Pressure #4	19	17	1
98–4589	Asm–Hose, Pressure #4	15	37	1
98–4590	Asm–Hose, Drain #1	19	20	1
98–4590	Hose Asm–Drain #1	17	25	1
98–4591	Clamp–Hose LH	31	35	1
98–4592	Clamp–Hose RH	31	*	1
98–4593	Asm–Drive Shaft	33	*	1
98–4594	Clamp–Retainer	35	66	1
98–4596	Washer–Mount, Engine	34	36	4
98–4598	Cable–Battery (Ground)	34	17	1
98–4599	Asm–Battery Cable (+)	63	13	1
98–7353	Head	76	9	1
98–7354	Head	75	9	1
98–7428	Gasket	36	2	1
98–7430	O–Ring	40	1	1
98–7449	Screw–Set	43	6	1
98–7473	Ball	44	11	3
98–7487	Plug	36	18	2
98–7496	Bolt	39	24	3
98–7507	Plug	36	3	1
98–7509	O–Ring	36	9	1
98–7509	O–Ring	38	12	1
98–7523	Plug–Drain	37	8	1
98–7524	Gasket	37	9	1
98–7527	O–Ring	37	3	1
98–7534	Nut	47	14	1
98–7539	Cap–Sealing	36	12	1
98–7540	Plug	38	11	2
98–7540	Plug	36	15	3
98–7547	O–Ring	39	11	2
98–7562	Washer–Flat	39	17	1
98–7568	Bolt	42	5	9
98–7572	Nut	39	1	1
98–7572	Nut	48	3	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
98–7572	Nut	52	7	2
98–7572	Nut	59	8	1
98–7585	Bolt	38	1	2
98–7585	Bolt	41	1	1
98–7601	Seal–Oil	52	16	1
98–7602	Pin–Spring	52	4	2
98–7605	Bolt	62	3	3
98–7605	Bolt	46	23	3
98–7612	Filter–Fuel	21	1	1
98–7613	Nut	54	1	3
98–7642	Washer–Adj. (0.900mm)	54	*	3
98–7642	Washer–Adjusting	54	4	3
98–7645	Bolt	47	11	1
98–7647	Spring–Nozzle	54	5	3
98–7654	Gasket	47	5	2
98–7654	Gasket	47	7	2
98–7654	Gasket	53	14	1
98–7665	Piece–Distance	54	7	3
98–7666	Push Rod	54	6	3
98–7667	Nut–Nozzle	54	9	3
98–7668	Washer	54	2	3
98–7671	Clip–Pipe	53	7	2
98–7676	Gasket	53	12	3
98–7682	Clamp–Pipe	53	16	2
98–7683	Clamp–Pipe	53	2	2
98–7684	Screw w/washer	53	1	2
98–7692	Bolt	55	3	1
98–7692	Bolt	43	8	3
98–7692	Bolt	59	14	3
98–7692	Bolt	52	15	2
98–7692	Bolt	39	27	2
98–7697	Bolt	55	1	1
98–7697	Bolt	57	1	2
98–7698	Washer–Flat	55	2	1
98–7708	Nut	56	1	1
98–7709	Collar	56	3	1
98–7710	Rotor	56	7	1
98–7711	Cover–Bearing	56	9	1
98–7712	Bearing–Ball	56	8	1
98–7713	Washer–Thrust	56	10	1
98–7715	Plate–Retainer	56	11	1
98–7716	Screw–RH	56	6	4
98–7717	Bolt–Through	56	5	2
98–7718	Bearing–Ball	56	12	1
98–7719	Frame–End	56	13	1
98–7720	Cover–End	56	23	1
98–7722	Bushing–Insulation	56	17	1
98–7723	Holder–Brush	56	24	1
98–7724	Brush	56	26	2
98–7725	Spring–Brush	56	25	2
98–7726	Screw–RH	56	20	2
98–7727	Screw–RH	56	27	6
98–7728	Screw–RH	56	21	1
98–7729	Bolt	56	22	3
98–7730	Nut	56	14	2
98–7731	Bolt	56	15	2
98–7732	Nut	56	18	1
98–7733	Asm–Regulator	56	19	1
98–7750	Spring–Brush	58	6	4
98–7753	Roller	58	21	5
98–7760	Nut–Hex.	58	12	1
98–7841	Washer–Adj. (0.925mm)	54	*	3
98–7842	Washer–Adj. (0.950mm)	54	*	3
98–7843	Washer–Adj. (0.975mm)	54	*	3
98–7844	Washer–Adj. (1.000mm)	54	*	3
98–7845	Washer–Adj. (1.025mm)	54	*	3
98–7846	Washer–Adj. (1.050mm)	54	*	3
98–7847	Washer–Adj. (1.075mm)	54	*	3
98–7848	Washer–Adj. (1.100mm)	54	*	3
98–7849	Washer–Adj. (1.125mm)	54	*	3
98–7850	Washer–Adj. (1.150mm)	54	*	3
98–7851	Washer–Adj. (1.175mm)	54	*	3
98–7852	Washer–Adj. (1.200mm)	54	*	3
98–7853	Washer–Adj. (1.225mm)	54	*	3
98–7854	Washer–Adj. (1.250mm)	54	*	3
98–7855	Washer–Adj. (1.275mm)	54	*	3
98–7856	Washer–Adj. (1.300mm)	54	*	3
98–7857	Washer–Adj. (1.325mm)	54	*	3
98–7858	Washer–Adj. (1.350mm)	54	*	3
98–7859	Washer–Adj. (1.375mm)	54	*	3
98–7860	Washer–Adj. (1.400mm)	54	*	3
98–7861	Washer–Adj. (1.425mm)	54	*	3
98–7862	Washer–Adj. (1.450mm)	54	*	3
98–7863	Washer–Adj. (1.475mm)	54	*	3
98–7864	Washer–Adj. (1.500mm)	54	*	3
98–7865	Washer–Adj. (1.525mm)	54	*	3
98–7866	Washer–Adj. (1.550mm)	54	*	3
98–7867	Washer–Adj. (1.575mm)	54	*	3
98–7868	Washer–Adj. (1.600mm)	54	*	3
98–7869	Washer–Adj. (1.625mm)	54	*	3
98–7870	Washer–Adj. (1.650mm)	54	*	3
98–7871	Washer–Adj. (1.675mm)	54	*	3
98–7872	Washer–Adj. (1.700mm)	54	*	3
98–7873	Washer–Adj. (1.725mm)	54	*	3
98–7874	Washer–Adj. (1.750mm)	54	*	3
98–7875	Washer–Adj. (1.775mm)	54	*	3
98–7876	Washer–Adj. (1.800mm)	54	*	3
98–7877	Washer–Adj. (1.825mm)	54	*	3
98–7878	Washer–Adj. (1.850mm)	54	*	3
98–7879	Washer–Adj. (1.875mm)	54	*	3
98–7880	Washer–Adj. (1.900mm)	54	*	3
98–7881	Washer–Adj. (1.925mm)	54	*	3
98–7882	Washer–Adj. (1.950mm)	54	*	3
98–8068	Hydraulic Cylinder Asm.	70	67	1
98–8069	Asm–Hydraulic Cylinder	69	7	1
98–9300	Asm–Engine	34	18	1
98–9302	Plate–Idler Stop	6	49	1
98–9303	Cable–Throttle	6	24	1
98–9305	Filter–Water/Fuel Separator	63	34	1
98–9306	Cluster–Warning	10	7	1
98–9308	Gauge–Temperature	10	8	1
98–9309	Clamp–Muffler	33	9	1
98–9310	Clamp–Muffler	33	5	1
98–9311	Swivel–Cable, Throttle	6	50	1
98–9312	Belt–V	34	44	1
98–9313	Pulley–Fan	34	5	1
98–9314	Plug–Hood	1	27	1
98–9317	Support–Radiator	31	7	1
98–9319	Hood	1	8	1
98–9322	Screw–HH	34	15	1
98–9322	Screw–HSH	33	26	3
98–9323	Asm–Expansion Tank	63	43	1
98–9333	Bracket–Mount, Fan	35	57	1
98–9335	Plate–Caution	31	21	1
98–9338	Hose–Fuel	21	16	1
98–9339	Gauge–Fuel	10	1	1
98–9340	Decal–Service	1	25	1
98–9341	Decal–Clip (English)	6	41	1
98–9342	Decal–Clip (Metric)	6	41	1
98–9343	Asm–Hose, Hydraulic	19	38	1
98–9344	Asm–Hose, Hydraulic	19	22	1
98–9346	Send–Temp	33	27	1
98–9350	Bolt	46	5	2
98–9350	Bolt	37	6	22
98–9351	Bolt	48	7	2
98–9351	Bolt	43	15	2
98–9351	Bolt	51	15	2
98–9352	Bolt	42	6	8
98–9353	Bolt	62	4	1
98–9353	Bolt	60	8	1
98–9354	Bolt	59	9	1
98–9355	Bolt	62	5	2
98–9355	Bolt	39	20	6
98–9356	Bolt	59	15	1
98–9356	Bolt	39	19	2
98–9357	Bolt	60	9	4
98–9358	Bolt	37	1	1
98–9359	Bolt	47	12	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
98–9360	Bolt	55	6	1
98–9361	Bolt	49	4	2
98–9362	Stud	39	4	2
98–9362	Stud	52	10	2
98–9363	Stud	39	3	1
98–9364	Screw w/washer	40	7	2
98–9365	Screw–Set	61	7	2
98–9366	Washer–Flat	55	8	1
98–9367	Washer–Lock	39	2	1
98–9367	Washer–Lock	48	2	2
98–9367	Washer–Lock	49	5	4
98–9367	Washer–Lock	59	7	1
98–9367	Washer–Lock	52	8	2
98–9368	Washer–Lock	55	7	1
98–9369	Clip–Circular, External	51	2	1
98–9370	Clip–Circular, External	61	9	2
98–9371	O–Ring	52	6	1
98–9372	O–Ring	39	10	2
98–9373	O–Ring	44	19	1
98–9374	O–Ring	41	4	1
98–9375	Pin–Straight	36	5	2
98–9375	Pin–Straight	44	12	1
98–9376	Pin–Straight	36	6	2
98–9377	Pin–Straight	36	11	2
98–9378	Key–Feather	43	3	1
98–9379	Plug	36	20	3
98–9380	Ball	39	13	1
98–9381	Bearing–Ball	46	12	1
98–9382	Bearing–Ball	46	10	1
98–9383	Bearing–Ball	46	7	1
98–9384	Tube–Fuel	49	2	1
98–9385	Washer–Flat	61	2	3
98–9386	Plug	37	10	1
98–9387	Pin–Pipe	36	21	2
98–9388	Joint–Pipe	39	16	1
98–9389	Cap–Sealing	38	7	2
98–9390	Collet–Valve Spring Set	61	17	6
98–9391	Screw–Set	61	13	1
98–9392	Bolt	45	2	8
98–9393	Nut	61	3	3
98–9394	Gear–Ring	45	5	1
98–9395	Cap–Sealing	38	9	1
98–9396	Gear	58	22	1
98–9397	Lamp–Indicator	62	8	1
98–9398	Cap–Sealing	36	8	4
98–9399	Gasket	37	7	1
98–9400	Armature	58	3	1
98–9401	Frame–End	58	8	1
98–9402	Bolt–Through	58	10	2
98–9403	Holder–Brush	58	7	1
98–9404	Bolt	58	9	2
98–9405	Screw–PPH	58	18	2
98–9406	Washer–Felt	58	1	1
98–9407	Switch–Magnetic	58	14	1
98–9408	Housing	58	19	1
98–9409	Clutch	58	17	1
98–9410	Cover–Cord	58	23	1
98–9411	Bearing–Ball	58	2	1
98–9412	Bearing–Ball	58	4	1
98–9413	Metal–Side (Std.)	44	14	2
98–9414	Metal–Side (0.2mm)	44	14	2
98–9415	Metal–Side (0.4mm	44	14	2
98–9416	Switch	36	23	1
98–9419	Timer–Glow Lamp	62	7	1
98–9420	Asm–Pipe, Overflow	53	6	1
98–9421	Valve–Delivery	50	5	3
98–9422	Asm–Tappet	50	11	3
98–9423	O–Ring	50	2	6
98–9424	Spring–Valve, Delivery	50	6	3
98–9425	Gasket–Valve, Delivery	50	7	3
98–9426	Pin–Guide, Tappet	50	27	3
98–9427	Seat–Spring, Upper	50	15	3
98–9428	Spring–Plunger	50	14	3
98–9429	Seat–Spring, Lower	50	13	3
98–9430	Screw	50	23	1
98–9431	Screw–Air Bleed	53	15	1
98–9432	Sleeve–Control	50	16	3
98–9433	Shim	50	12	3
98–9434	Flange–Sleeve	50	4	3
98–9436	Asm–Cock, Drain	36	17	1
98–9437	Bolt	39	23	1
98–9438	Stud	49	9	2
98–9439	Nut	47	6	2
98–9440	Nut–Cap	49	10	2
98–9441	Nut–Cap	47	2	2
98–9442	Screw–Countersunk Hd.	50	26	4
98–9443	Pin–Joint	50	3	3
98–9444	Plug	62	6	1
98–9445	Gasket	50	20	2
98–9446	Gasket	50	22	1
98–9447	O–Ring	50	8	3
98–9448	Asm–Washer, Adjusting	54	10	3
98–9449	Plug–Oil Filler	40	2	1
98–9450	Pin–Clamp	50	28	1
98–9451	Gasket	50	19	1
98–9452	Screw	50	10	6
98–9453	Pulley–Dynamo	56	2	1
98–9454	Gasket	40	4	3
98–9455	Nut–Cap	40	3	3
98–9456	Shim–Injection (0.2mm)	49	7	1
98–9457	Shim–Injection (0.25mm)	49	7	1
98–9458	Shim–Injection (0.30mm)	49	8	1
98–9459	Camshaft–Fuel	46	9	1
98–9460	Asm–Cylinder Head	38	3	1
98–9462	Element–Pump	50	1	3
98–9463	Rack–Control	50	24	1
98–9464	Bolt–Joint	50	21	1
98–9465	Plate	50	25	1
98–9466	Plug	50	18	1
98–9467	Asm–Pipe, Fuel	49	*	1
98–9468	Asm–Holder, Nozzle	53	9	3
98–9469	Piston (Std.)	44	7	3
98–9470	Piston (0.5mm Oversize)	44	7	3
98–9471	Cover–Thermostat	59	10	1
98–9472	Spring–Return	52	14	1
98–9473	Pulley–Fan Drive	55	21	1
98–9474	Asm–Alternator	56	*	1
98–9474	Asm–Alternator	55	19	1
98–9475	Frame–Drive End	56	4	1
98–9476	Asm–Rectifier	56	16	1
98–9477	Hook–Engine	38	2	1
98–9478	Hook–Engine	38	8	1
98–9479	Bolt–Cylinder Head	38	4	12
98–9480	Asm–Case, Main Bearing	42	1	1
98–9481	Asm–Case, Gear	39	5	1
98–9482	Seal–Oil	39	22	1
98–9483	Seal–Oil	42	7	1
98–9484	Bolt–Bearing Case	42	2	6
98–9485	Bolt–Bearing Case	42	10	2
98–9486	Plate–End, Rear	45	1	1
98–9487	Cover–Bearing Case	42	8	1
98–9488	Plate–Breather Element	40	9	1
98–9489	Plate–Breather Element	40	11	1
98–9490	Oil Shield–Breather	40	8	1
98–9491	Pipe–Breather	40	6	1
98–9492	Joint–Breather Pipe	40	5	1
98–9493	Element–Breather	40	10	1
98–9494	Valve–Inlet	61	21	3
98–9495	Valve–Exhaust	61	20	3
98–9496	Seat–Valve Stem	61	14	6
98–9497	Cap–Valve	61	18	6
98–9498	Retainer–Valve Spring	61	16	6
98–9499	Guide–Inlet Valve	38	5	3
98–9500	Guide–Exhaust Valve	38	6	3
98–9501	Asm–Arm, Rocker	61	5	6
98–9502	Screw–Adjusting	61	6	6
98–9503	Nut	61	4	6
98–9504	Spring–Rocker Arm	61	12	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
98−9505	Bracket−Rocker Arm	61	11	3
98−9506	Stud	61	19	3
98−9507	Washer−Shaft, Rocker Arm	61	10	2
98−9508	Washer−Shaft, Rocker Arm	61	1	2
98−9509	Push Rod	43	5	6
98−9510	Stopper−Camshaft	43	2	1
98−9511	Stopper−Fuel, Camshaft	46	6	1
98−9512	Gear−Cam	43	1	1
98−9513	Pin−Piston	44	5	3
98−9514	Clip−Circular, Piston Pin	44	4	6
98−9515	Bushing−Piston Pin	44	3	3
98−9516	Asm−Rod, Connecting	44	*	3
98−9517	Bolt−Connecting Rod	44	1	6
98−9518	Metal−Crankpin (Std.)	44	2	3
98−9519	Metal−Crankpin (0.2mm	44	2	3
98−9520	Metal−Crankpin (0.4mm	44	2	3
98−9521	Collar−Crankshaft	44	20	1
98−9522	Sleeve−Crankshaft	44	13	1
98−9523	Metal−Crankshaft (Std.)	44	18	1
98−9524	Metal−Crankshaft (Std. Set)	44	17	2
98−9525	Metal−Crankshaft (Std.	44	16	1
98−9526	Metal−Crankshaft (0.2mm	44	16	1
98−9527	Metal−Crankshaft (0.4mm	44	16	1
98−9528	Metal−Crankshaft (0.2mm	44	18	1
98−9529	Metal−Crankshaft (0.4mm	44	18	1
98−9530	Metal−Crankshaft	44	17	2
98−9531	Metal−Crankshaft	44	17	2
98−9532	Gear−Crankshaft	44	9	1
98−9533	Shaft−Gear, Idle	43	9	1
98−9534	Clip−Circular, Idle Gear	43	14	1
98−9535	Collar−Gear, Idle	43	10	1
98−9536	Collar−Gear, Idle	43	13	1
98−9537	Bolt−Flywheel	45	3	6
98−9538	Filter−Oil	37	2	1
98−9539	Pin−Pipe	36	10	1
98−9540	Asm−Rotor, Oil Pump	39	9	1
98−9541	Cover−Oil Pump	39	8	1
98−9542	Gear−Oil Pump Drive	44	8	1
98−9543	Seal−Valve	39	14	1
98−9544	Spring	39	12	1
98−9545	Band−Pipe	49	1	2
98−9547	Cam−Fuel	46	2	1
98−9548	Washer	46	3	1
98−9557	Bolt−Adjusting	47	8	1
98−9558	Cap	47	1	1
98−9558	Cap	47	9	1
98−9559	Asm−Weight, Governor	46	19	2
98−9560	Shaft−Governor Weight	46	17	2
98−9561	Holder−Gear, Governor	46	22	1
98−9562	Holder−Gear, Governor	46	21	1
98−9563	Sleeve−Governor	46	16	1
98−9564	Washer−Thrust	46	15	1
98−9565	Screw−Set	46	13	1
98−9566	Shaft−Lever, Fork	51	12	1
98−9567	Collar	51	1	1
98−9568	Collar	51	8	1
98−9569	Cover−Shaft, Fork Lever	51	14	1
98−9570	Bearing−Miniature	51	3	1
98−9571	Bearing−Miniature	51	9	1
98−9572	Lever−Speed Control	52	5	2
98−9573	Stay−Dynamo	55	4	1
98−9574	Pipe−Water	60	11	1
98−9575	Asm−Pump, Water	60	1	1
98−9576	Asm−Seal	60	5	1
98−9577	Pipe−Return, Water	60	4	1
98−9578	Pipe−Return, Water	59	2	1
98−9579	Band Pipe	59	1	2
98−9580	Pipe−Return, Water	59	4	1
98−9581	Impeller−Water	60	6	1
98−9582	Flange−Pump, Water	60	2	1
98−9583	Bearing	60	3	1
98−9584	Pulley−Fan	55	5	1
98−9585	Bolt	55	22	1
98−9586	Bolt	39	21	1
98−9588	Stud	62	14	6
98−9589	Nut	52	1	2
98−9590	Nut−Cap	46	1	1
98−9592	Screw	39	7	5
98−9593	Washer−Flat	51	10	1
98−9594	Washer−Flat	52	2	2
98−9595	Key−Woodruff	46	8	1
98−9596	Joint−Eye	49	3	1
98−9597	Plug	36	14	3
98−9598	Plug	39	18	2
98−9599	Plug	36	4	1
98−9602	Asm−Coupler, Lock	55	14	1
98−9603	Stud	59	6	1
98−9604	Asm−Crankcase	36	19	1
98−9605	Gasket−Cylinder Head	38	10	1
98−9606	Asm−Case, Main Bearing	42	11	1
98−9607	Asm−Case, Main Bearing	42	9	1
98−9608	Manifold−Inlet	62	2	1
98−9609	Gasket−Manifold, Inlet	62	1	1
98−9610	Gasket−Manifold, Exhaust	62	9	1
98−9611	Gasket−Muffler	62	10	1
98−9612	Asm−Shaft, Rocker Arm	61	8	1
98−9614	Asm−Cover, Cylinder Head	40	13	1
98−9615	Gasket−Head Cover	40	12	1
98−9616	Tappet	43	4	6
98−9617	Asm−Camshaft	43	7	1
98−9618	Asm−Piston Ring (Std.)	44	6	3
98−9619	Asm−Piston Ring (0.5mm	44	6	3
98−9620	Asm−Pipe, Overflow	53	8	1
98−9628	Asm−Holder, Nozzle	54	*	3
98−9629	Piece−Nozzle	54	8	3
98−9630	Pin−Start Spring	36	7	1
98−9631	Cord−Glow Plug	53	10	1
98−9632	Gasket−Pump, Water	60	7	1
98−9633	Gasket−Gear Case	39	6	1
98−9634	Gasket−Bearing Case	42	3	1
98−9635	Gasket−Bearing Case Cover	42	4	1
98−9636	Gasket−Fuel Pump	48	1	1
98−9637	Gasket	52	12	1
98−9638	Gasket−Flange, Water	59	13	1
98−9639	Gasket	59	11	1
98−9640	Cover−Pump	47	13	1
98−9641	Cover	39	26	1
98−9642	Asm−Crankshaft	44	*	1
98−9643	Asm−Pump, Injection	49	6	1
98−9643	Asm−Pump, Injection	50	17	1
98−9644	Asm−Shaft, Governor	46	14	1
98−9645	Spring−Start	51	5	1
98−9646	Gasket−Oil Pan	37	4	1
98−9647	Bolt−Cylinder Head	38	13	2
98−9648	Spring−Valve	61	15	6
98−9649	Asm−Gear, Idle	43	11	1
98−9650	Bushing−Gear, Idle	43	12	1
98−9651	Asm−Cartridge, Oil	39	15	1
98−9652	Holder−Valve, Delivery	50	9	3
98−9653	Pipe−Injection	53	3	1
98−9654	Pipe−Injection	53	4	1
98−9655	Pipe−Injection	53	5	1
98−9656	Bushing−Governor, Gear	36	1	1
98−9657	Clip−Circular, Gov. Shaft	46	11	1
98−9658	Asm−Lever, Governor	52	11	1
98−9659	Lever−Fork	51	11	1
98−9660	Lever−Thrust	51	6	1
98−9661	Asm−Plate, Control	52	9	1
98−9662	Lever−Speed Control	52	3	1
98−9663	Lever−Engine Stop	52	17	1
98−9664	Shaft−Stop Lever	52	13	1
98−9665	Nut	62	13	6
98−9666	Key	44	10	1
98−9667	Plug	36	16	1
98−9668	Plug	36	13	1
98−9669	Gear−Injection Pump	46	4	1
98−9670	Gauge−Oil	41	3	1
98−9671	Guide−Oil Gauge	41	2	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
98–9672	Asm–Guide, Oil Gauge	41	*	1
98–9673	Gear–Governor	46	20	1
98–9674	Packing	47	10	1
98–9675	Plug	36	22	1
98–9676	V–Belt	55	20	1
98–9677	Asm–Pump, Fuel	48	4	1
98–9678	Asm–Apparatus, Idle	47	*	1
98–9679	Asm–Bolt, Adjusting	47	3	1
98–9680	Asm–Lever, Fork	51	7	1
98–9681	Spring–Governor	51	4	1
98–9682	Gasket	51	13	1
98–9683	Gasket–Solenoid Cover	48	5	1
98–9684	Gasket–Gear Case	39	25	1
98–9685	Oil Pan	37	5	1
98–9688	Metal–Side (Std.)	44	15	2
98–9689	Metal–Side (0.2mm	44	15	2
98–9690	Metal–Side (0.4mm	44	15	2
98–9691	Asm–Flywheel	45	4	1
98–9692	Roller	46	18	2
98–9693	Solenoid–Stop	48	6	1
98–9694	Seat–Heat	53	13	3
98–9695	Plug–Glow	53	11	3
98–9696	Asm–Coupler	55	18	1
98–9697	Connector	55	17	1
98–9698	Connector	55	16	1
98–9699	Terminal	55	15	7
98–9700	Asm–Terminal	55	9	1
98–9701	Terminal	55	10	1
98–9702	Sleeve	55	11	1
98–9703	Terminal	55	12	1
98–9704	Sleeve	55	13	1
98–9705	Asm–Starter	57	2	1
98–9706	Yoke	58	5	1
98–9708	Retainer	58	20	1
98–9710	Spring	58	15	1
98–9711	Cord–Stop, Solenoid	58	13	1
98–9712	Band–Cover	58	11	1
98–9713	Asm–Flange, Water	59	3	1
98–9715	Asm–Thermostat	59	12	1
98–9716	Pipe–Water	60	12	1
98–9717	Clamp	60	10	2
98–9718	Manifold–Exhaust	62	12	1
98–9719	Thermoswitch	59	5	1
98–9750	Decal–Diagnostic–ACE	8	1	1
98–9751	Decal–Diag. (Danish)	8	1	1
98–9752	Decal–Diag. (Dutch)	8	1	1
98–9753	Decal–Diag. (Finnish)	8	1	1
98–9754	Decal–Diag. (French)	8	1	1
98–9755	Decal–Diag. (German)	8	1	1
98–9756	Decal–Diag. (Italian)	8	1	1
98–9757	Decal–Diag. (Japan)	8	1	1
98–9758	Decal–Diag. (Norwegian)	8	1	1
98–9759	Decal–Diag. (Portuguese)	8	1	1
98–9760	Decal–Diag. (Spanish)	8	1	1
98–9761	Kit–Hydraulic Hose	19	*	1
98–9762	Decal–Diag. (Swedish)	8	1	1
98–9763	Asm–Element	64	2	1
98–9764	Element–Spin On	65	2	1
98–9765	Yoke–Shaft	33	18	1
98–9766	Kit–U–Joint	33	21	1
98–9767	Yoke–Slip Tube	33	24	1
98–9768	Yoke–End	33	25	1
98–9769	Yoke–Flange	33	23	1
98–9770	Asm–Body	64	1	1
98–9771	Asm–Cover	64	3	1
98–9772	Valve	64	4	1
98–9773	Plug–Base, Filter	65	5	1
98–9772	Head–Filter	65	1	1
98–9774	O–Ring, Filter Base	65	3	1
98–9775	Base–Filter	65	4	1
98–9776	Plug–Head, Filter	65	8	1
98–9777	Asm–Valve, Drain	65	10	1
98–9779	Rotary Cartridge Kit	16	30	2
98–9783	Tube–Interlock	11	62	1
98–9788	Decal–Instructions	63	40	1
217–120	Rim	23	52	2
217–121	Rim	66	20	2
218–446	Nut–Locking	10	10	1
218–447	Washer–E.T.L.W.	10	11	1
218–498	Nut–Hex.	10	4	2
218–498	Nut–Lock	32	54	2
218–533	Lens–Red	3	36	1
218–535	Nut–Lock	3	33	1
218–536	Washer–Lock	3	34	1
218–574	Fuse–7.5A	10	20	1
218–578	Fuse–10A	10	20	3
218–589	Washer–Lock	10	29	1
218–594	Fuse–20A	10	20	1
219–19	Lamp–Green	11	*	1
231–134	Tire	23	53	2
231–141	Tire	66	19	2
232–27	Stem–Valve	22	3	2
232–35	Stem–Valve	66	21	2
233–17	Knob–Parking Brake	3	9	1
233–42	Knob	5	19	1
233–42	Knob–Throttle	6	34	1
237–21	O–Ring	17	2	7
237–21	O–Ring	18	2	7
237–21	O–Ring	19	4	5
237–21	O–Ring	69	5	8
237–21	O–Ring	71	14	4
237–21	O–Ring	15	18	4
237–21	O–Ring	66	33	2
237–22	O–Ring	15	1	1
237–22	O–Ring	17	14	2
237–22	O–Ring	3	14	5
237–22	O–Ring	29	15	1
237–22	O–Ring	22	20	2
237–22	O–Ring	13	23	6
237–22	O–Ring	19	36	4
237–22	O–Ring	32	47	2
237–30	O–Ring	29	11	2
237–30	O–Ring	16	12	1
237–30	O–Ring	15	13	7
237–30	O–Ring	19	19	19
237–42	O–Ring	16	5	2
237–42	O–Ring	17	16	2
237–42	O–Ring	13	25	4
237–42	O–Ring	14	49	1
237–65	O–Ring	13	10	5
237–65	O–Ring	15	22	1
237–65	O–Ring	32	50	2
237–78	O–Ring	16	1	12
237–78	O–Ring	19	2	5
237–78	O–Ring	69	3	6
237–78	O–Ring	17	4	7
237–78	O–Ring	18	4	8
237–78	O–Ring	15	7	6
237–78	O–Ring	71	12	4
237–78	O–Ring	22	22	1
237–78	O–Ring	66	31	2
237–79	O–Ring	15	9	6
237–79	O–Ring	16	10	1
237–79	O–Ring	29	17	3
237–79	O–Ring	19	18	10
237–79	O–Ring	22	18	2
237–79	O–Ring	13	45	1
237–80	O–Ring	16	20	1
237–81	O–Ring	13	12	4
237–81	O–Ring	22	25	2
237–81	O–Ring	15	26	1
237–101	O–Ring	13	7	1
237–141	Bumper	1	6	2
237–146	O–Ring	29	19	1
237–156	O–Ring	16	16	2
237–161	O–Ring	22	36	1
237–163	O–Ring	29	9	1
237–165	Grommet	67	46	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
237−181	O−Ring	23	51	1
240−3	Grommet	32	57	2
240−5	Grommet−Rubber	19	28	4
240−11	Grommet	21	23	3
240−11	Grommet	13	39	3
241−119	Cap−Dust	66	24	2
242−34	Stud−Flange, Axle	26	9	10
242−50	Nut−Lug	66	26	10
2411−36	Bearing−Rod End	5	2	1
2412−34	Clamp−Hose	29	2	1
2412−34	Clamp−Hose	31	15	4
2412−34	Clamp−Hose	13	18	3
2412−36	Clamp−Drain	21	26	1
2412−42	Clamp−Hose	63	1	1
2412−92	Clamp−Hose	34	14	1
2412−93	Clamp−R	6	18	1
2412−93	Clamp−R	13	32	2
2412−98	Clamp−Hose	21	31	1
2412−98	Clamp−Hose	31	31	1
2412−103	Clamp−R	31	29	2
2412−108	Clamp	63	39	4
2412−108	Clamp−Hose	21	11	4
2412−126	Clamp−R	11	53	1
2412−129	Clamp−Hose	22	27	2
2412−133	Clamp−R	6	42	2
2412−146	Clamp−Spring	21	34	2
251−259	Bearing−Ball	28	11	2
251−318	Bearing−Ball	34	7	2
253−129	Seal−Grease	66	28	2
254−65	Cone−Tapered Bearing	25	28	2
254−66	Cup−Tapered Bearing	25	27	2
254−72	Cup−Bearing	66	17	4
254−91	Cone−Bearing	25	23	1
254−94	Cone−Bearing	66	16	4
256−42	Bushing−Sleeve	5	34	2
256−113	Bushing−Flange	28	19	2
256−115	Washer−Thrust	71	26	8
256−115	Washer−Thrust	69	41	11
256−121	Washer−Thrust	66	12	2
256−236	Bearing−Flange	5	24	4
256−287	Bushing−Flange	71	38	4
281−13	Plug−Pipe	63	36	2
282−4	Clevis−Spring	71	3	2
282−4	Clevis−Spring	69	21	3
283−6	Pin−Clevis	71	10	2
283−6	Pin−Clevis	69	15	3
283−58	Pin−Clevis	5	30	4
285−22	Plug−Pipe	65	9	1
302−5	Fitting−Grease	68	7	2
302−5	Fitting−Grease	66	11	4
302−5	Fitting−Grease	69	11	6
302−5	Fitting−Grease	73	13	1
302−5	Fitting−Grease	74	13	1
302−5	Fitting−Grease	75	13	1
302−5	Fitting−Grease	76	13	1
302−5	Fitting−Grease	28	20	1
302−5	Fitting−Grease	33	22	2
302−5	Fitting−Grease	71	29	4
302−5	Fitting−Grease	5	39	1
302−10	Fitting−Grease 45˚	34	10	1
304−46	Drain−Radiator	31	10	1
304−46	Fitting−Drain	21	27	1
304−73	Fitting−Barbed	21	32	1
321−2	Screw−HH	22	6	1
321−4	Screw−HH	31	23	7
321−4	Screw−HH	6	31	1
321−4	Screw−HH	35	50	1
321−5	Screw−HH	63	23	2
321−11	Screw−HH	18	6	4
321−15	Screw−HH	10	33	3
321−18	Screw−HH	17	5	4
321−23	Screw−HH	13	13	2
321−39	Screw−HH	1	15	7
321−39	Screw−HH	10	26	2
322−2	Screw−HH	31	36	4
322−2	Screw−HH	35	49	4
322−3	Screw−HH	6	14	13
322−3	Screw−HH	28	18	2
322−3	Screw−HH	5	25	8
322−3	Screw−HH	15	28	4
322−3	Screw−HH	1	30	4
322−3	Screw−HH	10	35	2
322−4	Screw−HH	63	11	3
322−4	Screw−HH	2	40	2
322−4	Screw−HH	35	53	9
322−5	Screw−HH	71	6	3
322−5	Screw−HH	18	17	2
322−5	Screw−HH	1	19	4
322−5	Screw−HH	69	26	3
322−5	Screw−HH	63	28	2
322−5	Screw−HH	11	54	1
322−5	Screw−HH	32	60	4
322−6	Screw−HH	71	17	4
322−6	Screw−HH	34	38	8
322−6	Screw−HH	7	30	1
322−6	Screw−HH	63	42	2
322−7	Screw−HH	28	10	1
322−9	Screw−HH	33	19	2
322−10	Screw−HH	28	3	1
322−12	Screw−HH	71	32	2
322−13	Screw−HH	17	29	4
322−13	Screw−HH	69	35	6
322−13	Screw−HH	72	50	3
323−4	Screw−HH	6	2	2
323−4	Screw−HH	13	43	2
323−6	Screw−HH	33	3	4
323−6	Screw−HH	34	12	2
323−6	Screw−HH	72	54	2
323−7	Screw−HH	66	1	4
323−7	Screw−HH	34	45	1
323−9	Screw−HH	5	3	1
323−9	Screw−HH	63	14	1
323−10	Screw−HH LH	34	33	1
323−11	Screw−HH	69	39	1
323−12	Screw−HH	29	4	2
323−12	Screw−HH	22	32	2
323−12	Screw−HH	70	56	2
323−12	Screw−HH RH	34	27	3
323−20	Screw−HH	23	49	2
324−7	Screw−HH	22	29	4
325−2	Screw−HH	32	65	2
325−4	Screw−HH	71	35	4
325−4	Screw−HH	70	59	6
325−5	Screw−HH	77	6	9
325−7	Screw−HH	22	13	2
325−12	Screw−HH	63	30	2
327−2	Screw−HH	66	3	1
328−7	Screw−HH	69	18	4
328−12	Screw−HH	69	13	2
328−25	Screw−HH	66	30	1
328−27	Screw−HH	67	49	1
3210−8	Screw−HH	24	19	8
3212−4	Screw−HH	77	*	2
3213−2	Screw−HH	35	60	8
3217−6	Nut−Hex	7	32	1
3217−6	Nut−Hex.	28	28	1
3217−9	Nut−Hex.	63	32	2
3217−9	Nut−Lock	77	7	3
3218−1	Nut−Jam	23	50	1
3220−3	Nut−Jam	5	1	2
3220−3	Nut−Jam	66	14	8
3220−5	Nut−Jam	66	36	2
3220−6	Nut	4	27	1
3220−6	Nut−Steering Wheel	3	8	1
3220−7	Nut−Jam	66	23	2
3220−12	Nut−Jam LH Thread	66	38	2
3230−2	Bolt−Carriage	34	13	1
3234−5	Screw−HHF	2	34	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3234–5	Screw–Whiz Lock	31	3	6
3234–7	Screw–HHF (Europe)	2	42	1
3234–13	Screw–Cap Flange Hd.	67	52	2
3234–14	Screw–HWH	2	33	14
3234–29	Screw	63	41	2
3234–29	Screw–HHF	35	55	6
3250–29	Screw–HH	6	7	4
3253–3	Washer–Lock	22	7	1
3253–3	Washer–Lock	6	30	1
3253–3	Washer–Lock	10	32	3
3253–4	Washer–Lock	3	2	2
3253–4	Washer–Lock	6	13	4
3253–4	Washer–Lock	71	16	2
3253–4	Washer–Lock	28	17	2
3253–4	Washer–Lock	1	20	4
3253–4	Washer–Lock	15	29	4
3253–4	Washer–Lock	31	39	4
3253–4	Washer–Lock	34	43	6
3253–5	Washer–Lock	29	5	2
3253–6	Washer–Lock	77	*	2
3253–6	Washer–Lock	7	25	2
3253–7	Washer–Lock	77	5	9
3253–7	Washer–Lock	71	39	4
3253–7	Washer–Lock	70	58	6
3253–7	Washer–Lock	35	61	8
3253–7	Washer–Lock	32	64	2
3253–15	Washer–Lock	21	8	5
3253–19	Washer–Lock	11	*71	2
3253–21	Washer–Lock	63	15	1
3253–21	Washer–Lock	22	33	2
3253–21	Washer–Lock	13	42	2
3253–27	Washer–Lock	63	31	2
3253–33	Washer–Lock	7	31	1
3255–8	Washer–Lock ETLW	3	15	1
3255–9	Washer–Lock	34	16	3
3256–1	Washer–Flat	10	13	5
3256–1	Washer–Flat	1	14	10
3256–1	Washer–Flat	3	29	2
3256–2	Washer–Flat	31	34	4
3256–3	Washer–Flat	2	31	4
3256–3	Washer–Flat	10	34	3
3256–4	Washer–Flat	33	4	8
3256–5	Washer–Flat	7	4	1
3256–6	Washer–Flat	71	40	4
3256–6	Washer–Flat	70	57	6
3256–22	Washer–Flat	5	6	2
3256–22	Washer–Flat	3	11	4
3256–22	Washer–Flat	31	22	4
3256–23	Washer–Flat	71	7	10
3256–23	Washer–Flat	6	12	8
3256–23	Washer–Flat	1	18	6
3256–23	Washer–Flat	69	25	3
3256–23	Washer–Flat	3	31	6
3256–23	Washer–Flat	34	34	8
3256–23	Washer–Flat	31	38	4
3256–24	Washer–Flat	66	2	2
3256–24	Washer–Flat	5	4	1
3256–24	Washer–Flat	7	5	1
3256–24	Washer–Flat	63	16	1
3256–24	Washer–Flat	6	19	3
3256–24	Washer–Flat	69	24	3
3256–24	Washer–Flat	34	30	5
3256–24	Washer–Flat	71	30	4
3256–24	Washer–Flat	13	41	2
3256–24	Washer–Flat	63	46	2
3256–26	Washer–Flat	28	2	1
3256–26	Washer–Flat	77	4	9
3256–26	Washer–Flat	3	22	1
3256–26	Washer–Flat	7	24	2
3256–26	Washer–Flat	32	63	2
3256–40	Washer–Flat	35	62	4
3256–46	Washer–Flat	7	20	1
3256–69	Washer–Thrust	5	31	3
3256–70	Washer–Flat	17	31	4
3256–70	Washer–Flat	19	37	4
3256–70	Washer–Flat	69	37	6
3256–70	Washer–Plain	72	46	2
3256–78	Washer–Flat	34	20	1
3258–166	Screw–PPH	10	12	5
3258–166	Screw–PPH	3	28	2
3258–166	Screw–PPH	2	46	3
3258–166	Screw–Round Head	21	29	1
3269–10	Washer–Back–up	31	30	7
3269–13	Rivet–Pop	31	32	17
3269–15	Rivet–Pop	31	5	8
3272–2	Pin–Cotter	5	5	2
3272–4	Pin–Cotter	1	11	2
3272–5	Pin–Cotter	3	17	3
3272–10	Pin–Cotter	28	1	1
3272–10	Pin–Cotter	71	4	2
3272–10	Pin–Cotter	69	17	3
3272–10	Pin–Cotter	3	21	1
3272–10	Pin–Cotter	6	21	2
3272–10	Pin–Cotter	5	40	4
3272–13	Pin–Cotter	66	25	2
3273–26	Screw–Hex. Socket Hd.	10	45	2
3290–271	Rivet–Pop	31	20	2
3290–354	Plate–Nut	10	36	2
3290–378	Tie–Cable	19	*	4
3290–378	Tie–Cable	3	*	3
3290–378	Tie–Cable	31	17	1
3290–378	Tie–Cable	71	42	2
3290–378	Tie–Cable	70	68	5
3290–379	Tie–Cable	71	1	4
3290–379	Tie–Cable	21	3	1
3290–379	Tie–Cable	69	14	3
3290–410	Tie–Cable, Push On	3	*	4
3290–461	Washer–Belleville	5	21	1
3290–488	Boot–Lift Control	10	40	1
3290–489	Knob–Lift Control	10	3	1
3290–509	Tie–Mount	21	30	1
3296–2	Nut–Lock	10	18	4
3296–3	Nut–Lock	6	27	1
3296–9	Nut–Hex.	28	24	2
3296–20	Nut–Lock	3	16	4
3296–20	Nut–Lock	6	51	1
3296–23	Nut–Lock	22	16	2
3296–29	Nut–Lock	28	9	4
3296–29	Nut–Lock	71	9	11
3296–29	Nut–Lock	34	19	14
3296–29	Nut–Lock	33	20	2
3296–29	Nut–Lock	5	23	8
3296–29	Nut–Lock	6	23	10
3296–29	Nut–Lock	63	26	8
3296–29	Nut–Lock	17	30	4
3296–29	Nut–Lock	70	45	3
3296–29	Nut–Lock	32	59	2
3296–39	Nut–Lock	66	5	2
3296–39	Nut–Lock	33	6	4
3296–39	Nut–Lock	6	9	3
3296–39	Nut–Lock	34	28	4
3296–39	Nut–Lock	71	31	6
3296–39	Nut–Lock	22	35	2
3296–39	Nut–Lock	5	38	1
3296–39	Nut–Lock	70	52	2
3296–42	Nut–Lock	1	13	7
3296–42	Nut–Lock	13	15	2
3296–42	Nut–Lock	17	21	4
3296–42	Nut–Lock	10	22	4
3296–42	Nut–Lock	31	25	7
3296–42	Nut–Lock	21	28	1
3296–42	Nut–Lock	3	30	2
3296–42	Nut–Lock	35	52	1
3296–44	Nut–Lock	7	22	1
3296–44	Nut–Lock	69	23	4
3296–48	Nut–Lock	22	45	4
3296–51	Nut–Lock	69	19	6
3296–54	Nut–Lock	6	4	4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3296−56	Nut−Lock	22	4	2
3296−59	Nut−Lock	5	22	1
3296−59	Nut−Lock	35	56	1
32104−76	Screw−Thread Forming	70	48	2
32105−13	Screw−HH	10	17	4
32105−21	Screw	28	4	2
32108−9	Screw−Machine	22	12	1
32120−74	Ring−Retaining	27	53	1
32120−93	Ring−Retaining	71	25	4
32120−93	Ring−Retaining	69	29	6
32121−2	Pin−Roll	34	4	2
32121−6	Pin−Roll	5	9	1
32121−16	Pin−Roll	5	32	1
32121−27	Pin−Roll	69	2	3
32121−27	Pin−Roll	72	62	2
32121−38	Pin−Roll	6	22	1
32121−45	Pin−Roll	5	10	2
32121−50	Pin−Roll	5	41	1
32121−122	Pin−Roll	71	44	2
32121−122	Pin−Roll	70	55	3
32122−24	Screw−Round Hd.	21	9	5
32128−20	Nut−Flange Lock	18	18	2
32128−20	Nut−Lock	63	21	3
32128−20	Nut−Whiz	31	8	8
32128−25	Nut−Flange	6	38	4
32128−26	Nut−Flange	7	21	4
32128−33	Nut−Flange Head	2	45	3
32128−33	Nut−Lock	63	9	2
32128−33	Nut−Lock	18	10	4
32128−33	Nut−Lock, Flange Hd.	11	55	3
32144−5	Nut	24	1	8
32144−10	Screw−HWH	13	33	2
32144−14	Screw−HH	35	64	2
32144−14	Screw−HWH	2	49	2
32144−14	Screw−Self Tapping	70	66	3
32144−18	Screw−HH	11	46	2
32144−21	Screw	3	6	1
32144−22	Screw−HH	28	13	4
32144−26	Screw−TAP	3	1	2
32144−58	Screw−HSH	19	32	4
32144−112	Screw−HH	22	8	8
32144−112	Screw−Thread Forming	24	13	8
32151−36	Ring−Retaining	66	7	2
32151−36	Ring−Retaining	72	47	4
32151−41	Ring−Retaining	20	13	1
32151−48	Ring−Retaining	71	5	2
32151−48	Ring−Retaining	69	20	3
32151−61	Ring−Retaining	71	18	4
32151−62	Ring−Retaining	22	38	1
32151−77	Ring−Retaining	66	40	1
32152−10	Nut	73	2	1
32152−10	Nut	74	2	1
32152−10	Nut	75	2	1
32152−10	Nut	76	2	1
32153−6	Nut−Lock	66	6	2
33014−00	Nut−Lock	33	11	4
33024−00	Nut−Lock	33	13	1
33095−00	Washer−Flat	33	8	2
33103−025	Screw−HHF	21	25	3
33104−020	Screw−HFH	13	38	6
33105−025	Screw−HH	13	36	3
33114−016	Screw−HH	34	35	2
33114−020	Screw−HH	33	29	1
33114−025	Screw−HH	33	15	5
340−2	Fitting−Hydraulic Straight	17	15	2
340−3	Fitting−Hydraulic Straight	29	16	1
340−3	Fitting−Hydraulic, Straight	22	19	2
340−4	Fitting−Hydraulic Straight	15	5	1
340−4	Fitting−Hydraulic Straight	29	10	2
340−8	Fitting−Hydraulic Straight	13	11	2
340−13	Fitting−Hydraulic Straight	18	19	2
340−13	Fitting−Hydraulic Straight	15	40	2
340−13	Fitting−Straight	70	64	2
340−70	Nut−Bulkhead	19	11	2
340−71	Fitting−Hydraulic	19	31	2
340−77	Fitting−Hydraulic 90°	13	22	1
340−77	Fitting−Hydraulic 90°	17	27	1
340−82	Fitting−Hydraulic 90°	14	47	2
340−87	Fitting−Hydraulic 45°	13	27	1
340−92	Fitting−Hydraulic Straight	18	3	4
340−92	Fitting−Hydraulic Straight	15	17	2
340−92	Fitting−Hydraulic Straight	17	26	4
340−98	Fitting−Hydraulic 90°	15	2	2
340−98	Fitting−Hydraulic 90°	19	7	10
340−101	Fitting−Hydraulic 45°	15	10	2
340−101	Fitting−Hydraulic 45°	16	11	1
340−103	Fitting−Hydraulic 45°	19	3	5
340−103	Fitting−Hydraulic 45°	66	32	2
340−103	Fitting−Hydraulic 45°	71	13	1
340−124	Fitting−Straight	32	48	2
340−127	Nut−Bulkhead	19	12	4
340−132	Fitting−Hydraulic 90°	17	3	3
340−132	Fitting−Hydraulic 90°	69	4	5
340−132	Fitting−Hydraulic 90°	18	8	1
340−132	Fitting−Hydraulic 90°	71	22	3
340−139	Fitting−Hydraulic 90°	15	23	1
340−139	Fitting−Hydraulic 90°	13	35	1
340−143	Fitting−Hydraulic 90°	18	11	1
340−143	Fitting−Hydraulic 90°	16	18	1
340−143	Fitting−Hydraulic 90°	15	32	1
340−143	Fitting−Hydraulic 90°	70	70	1
351−78	Edging	6	1	1
351−80	Clip	6	40	1
353−508	Plug−Hydraulic	13	40	1
353−512	Fitting−Hydraulic Plug	18	5	2
353−550	Plug−Drain	13	44	1
353−599	Pin−Dowel	20	3	2
353−682	Fitting−Hydraulic Straight	13	20	1
353−783	Fitting−Fuel	63	35	1
353−989	Plug	16	6	2
353−990	Plug	16	2	11
353−991	Plug	16	17	2
354−20	Fitting−Fuel Tee	21	15	1
354−21	Fitting−Fuel Straight	21	14	1
354−22	Fitting−Fuel, Straight	21	13	1
354−46	Ring−Seal	20	8	1
354−50	Screw−HSH	20	1	4
354−51	Washer	20	2	4
354−70	Plug	16	21	1
354−72	Fitting−Hydraulic 45°	22	42	1
354−73	Fitting−Hydraulic Straight	13	24	2
354−74	Fitting−Hydraulic Plug	13	16	1
354−75	Fitting−Hydraulic 90°	22	40	1
354−77	Fitting−Hydraulic Test Port	22	23	1
354−77	Fitting−Test Port	15	11	2
354−78	Fitting−Hydraulic	29	3	1
354−79	Cap−Test Port	15	12	2
354−79	Cap−Test Port	22	24	1

*Not Illustrated

TABLE OF CONTENTS

Description	Page
Frame & Body Assembly	1–2
Steering Tower Assembly	3
Steering Valve Assembly No. 75–0600	4
Traction & Brake Pedals Assembly	5
Seat & Throttle Assembly	6
Seat Suspension Assembly	7
Diagnostic–ACE Display Assembly	8
Electrical Schematic	9
Control Console Assembly	10–11
Hydraulic Schematic	12
Hydraulic Reservoir Assembly	13–14
Hydraulic Control Manifold Assembly	15
Control Manifold Assembly	16
Front Hydraulic Manifolds	17
Rear Hydraulic Manifolds	18
Cutting Unit Hydraulic Components	19
Reel Motor Assembly No. 93–1375	20
Fuel Tank Assembly	21
Front Axle & Transmission Assembly	22–23
Front Axle Assembly No. 94–6933	24–25
Brake Assembly	26
Transmission Assembly No. 75–0012	27
Traction Control Assembly	28
Gear Pump Installation Assembly	29
Hydraulic Pump Assembly No. 93–1376	30
Radiator Assembly	31–32
Muffler & Pump Drive Assembly	33
Engine Installation Assembly	34–35
Crankcase Assembly	36
Oil Pan Assembly	37
Cylinder Head Assembly	38
Gear Case & Oil Filter Assembly	39
Head Cover Assembly	40
Dipstick & Guide Assembly	41
Main Bearing Case Assembly	42

Description	Page
Cam Shaft Assembly	43
Piston & Crankshaft Assembly	44
Flywheel Assembly	45
Fuel Camshaft Assembly	46
Engine Stop Lever Assembly	47
Stop Solenoid & Fuel Pump Assembly	48
Injection Pump Assembly	49
Injection Pump Assembly (Continued)	50
Governor Assembly	51
Speed Control Plate Assembly	52
Nozzle Holder & Glow Plug Assembly	53
Nozzle Holder Assembly	54
Alternator & Pulley Assembly	55
Alternator Assembly	56
Starter Mount Assembly	57
Starter Assembly	58
Water Flange & Thermostat Assembly	59
Water Pump Assembly	60
Valve & Rocker Arm Assembly	61
Exhaust Manifold & Gasket Assembly	62
Engine Components Assembly	63
Air Cleaner Assembly	64
Filter, Water/Fuel Separator	65
Rear Axle Assembly	66–67
Hydraulic Cylinder No. 75–1200	68
Front Lift Arms Assembly	69–70
Rear Lift Arms Assembly	71–72
Hydraulic Cylinder Assembly No. 93–9311	73
Hydraulic Cylinder Assembly No. 93–9310	74
Hydraulic Cylinder Assembly No. 98–8069	75
Hydraulic Cylinder Assembly No. 98–8068	76
Roll Over Protection System (R.O.P.S.) Asm.	77
Special Tools	78
Part Number Index	79–90

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								