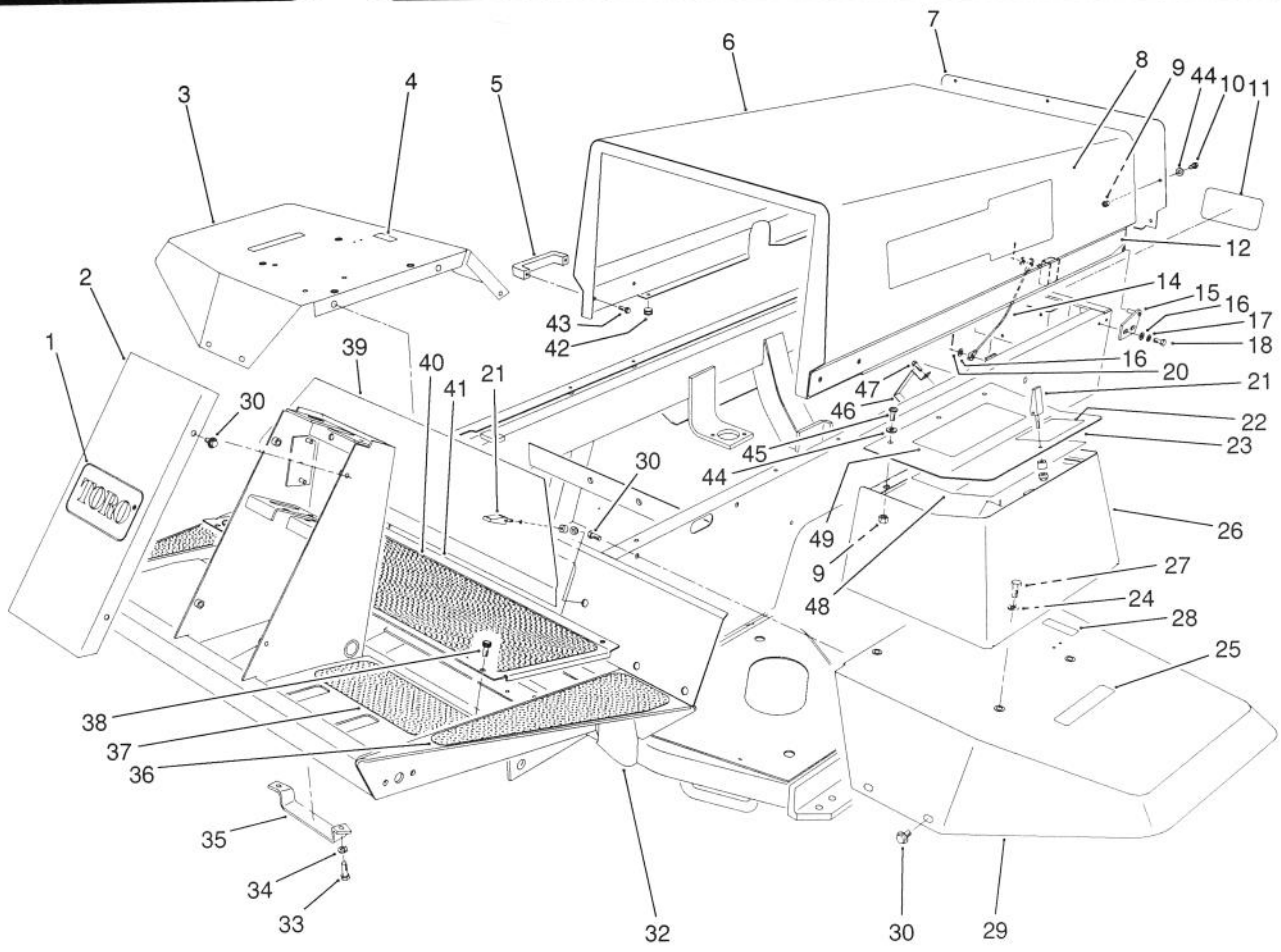
FORM NO. 3314-469

TORO®

MODEL NO. 03500-10001 & UP
MODEL NO. 03505-10001 & UP
MODEL NO. 03508-10001 & UP

PARTS CATALOG

REELMASTER® 223D



T-1043

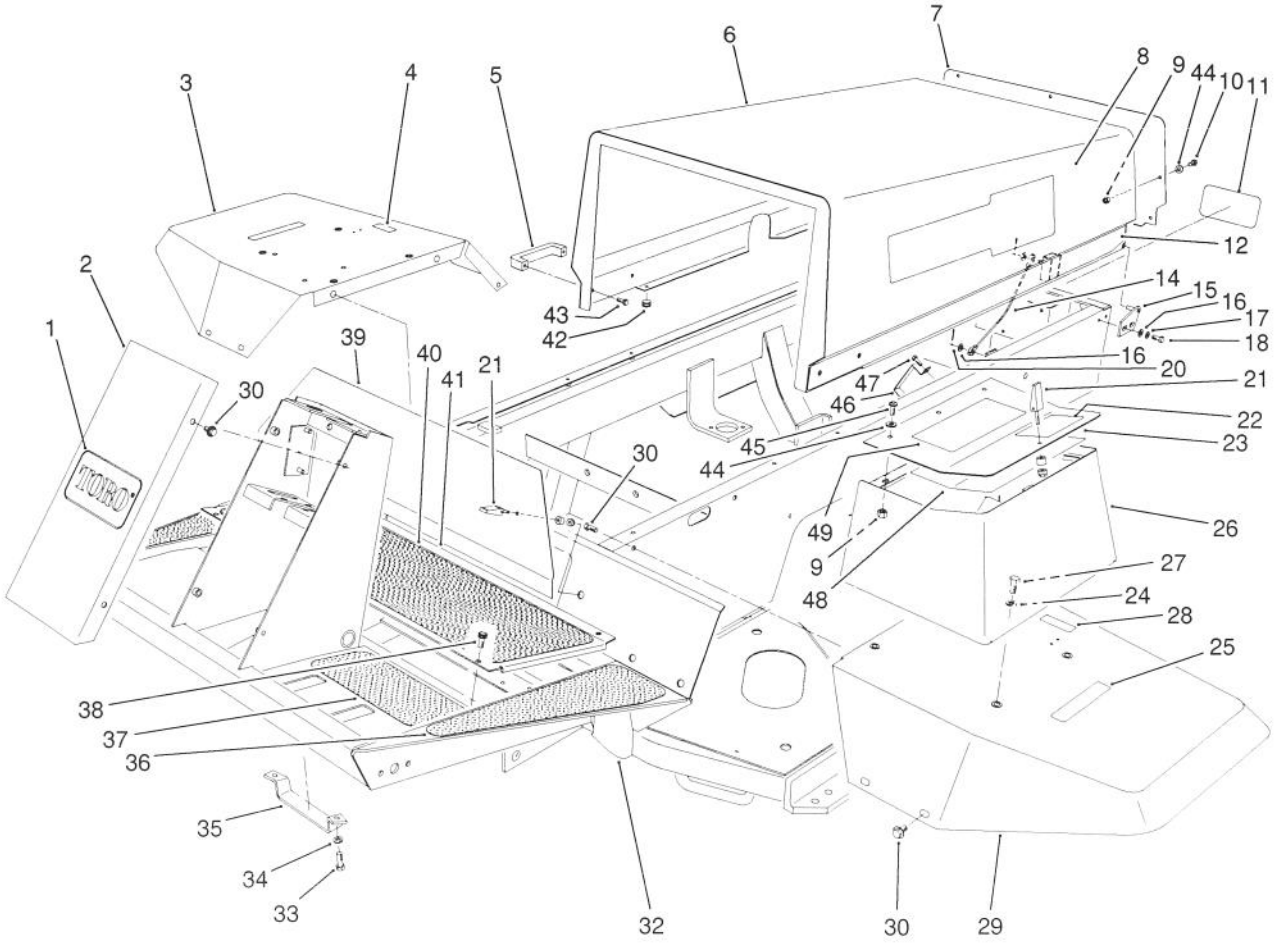
FRAME & BODY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	62-5550	Decal - TORO	1
2	75-1420	Cover - Steering Tower	1
3	75-3840	Fender - R.H.	1
4	75-0740	Decal - Hydraulic Oil	1
5	65-5100	Handle	2
6	75-0890	Hood	1
7	75-2820	Grill - Hood	1
8	75-0660	Decal - Reelmaster® 223D	2
9	3296-42	Nut - Lock	10
10	321-39	Screw - Cap Hex. Hd.	7
11	62-7400	Decal - TORO	1
12	75-0670	Decal - Hood Trim L.H.	1
*	75-0680	Decal - Hood Trim R.H.	1
14	75-0570	Cable - Hood	1
15	63-6900	Hinge - Hood L.H.	1
*	63-6890	Hinge - Hood R.H.	1
16	3256-23	Washer - Flat	6

Ref. No.	Part No.	Description	No. Used
17	3253-4	Washer - Lock	14
18	322-5	Screw - Cap Hex. Hd.	4
20	3272-4	Pin - Cotter	2
21	249-48	Swell Latch Assembly	3
22	75-1280	Decal - Warning	1
23	75-6260	Cover - Tool Box	1
24	3256-3	Washer - Flat	4
25	75-5190	Decal - No Riders	2
26	75-5810	Box - Tool	1
27	322-3	Screw - Cap Hex. Hd.	4
28	52-1320	Decal - Fuel	1
29	75-3860	Fender - L.H.	1
30	3234-14	Screw - Hex. Washer Hd.	14
32	75-2200	Frame Assembly	1
33	322-4	Screw - Cap Hex. Hd.	2
34	32148-7	Washer - Lock	2
35	75-2860	Bracket - Hose	1

*Not Illustrated

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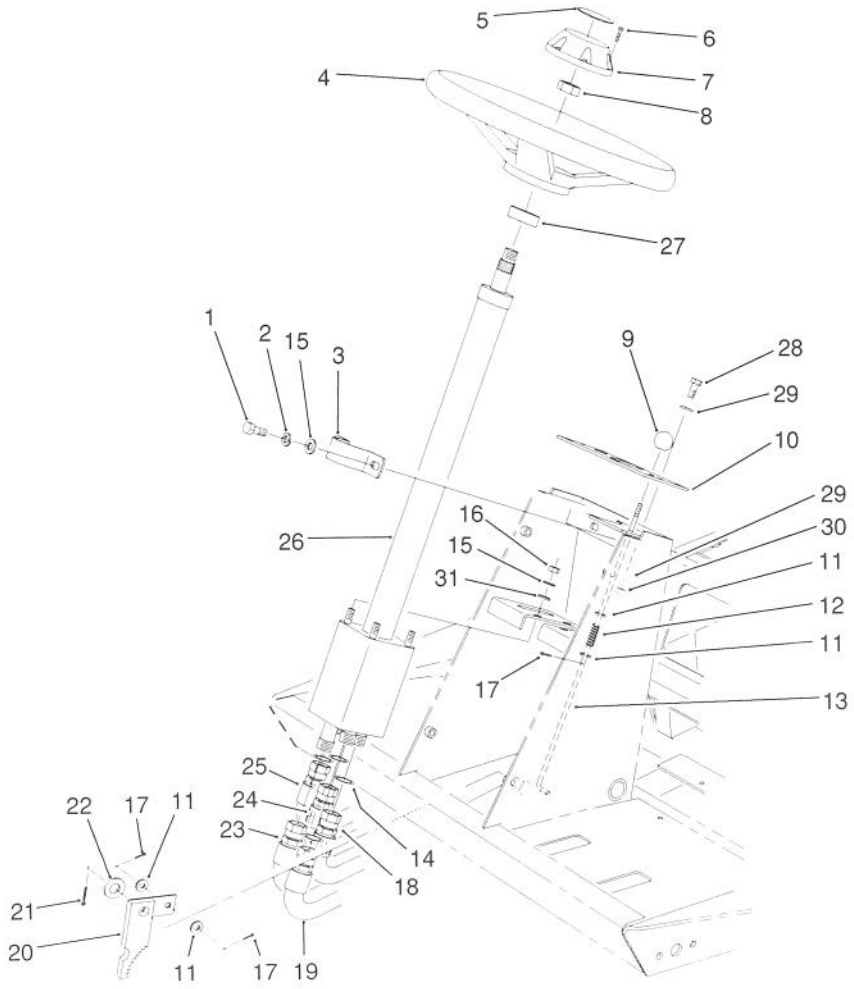
T-1043

FRAME & BODY ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
36	75-0650	Tread - Footrest L.H.	1
*	75-0640	Tread - Footrest R.H.	1
37	75-0620	Tread - Foot L.H.	1
*	75-0610	Tread - Foot R.H.	1
38	75-6840	Knob - Knurled	4
39	75-1390	Panel - Access	1
40	75-0630	Tread - Foot Center	1
41	75-1410	Panel - Floor	1

Ref. No.	Part No.	Description	No. Used
42	237-141	Bumper	2
43	46-8091	Screw - Cap Hex. Hd.	4
44	3256-1	Washer - Flat	10
45	3258-166	Screw - Phillip Hd.	3
46	75-6280	Bracket - Hose	1
47	49-2040	Screw - Hex. Washer Hd.	2
48	75-0730	Decal - Instructions	1
49	75-7540	Decal - Warning	1

*Not Illustrated



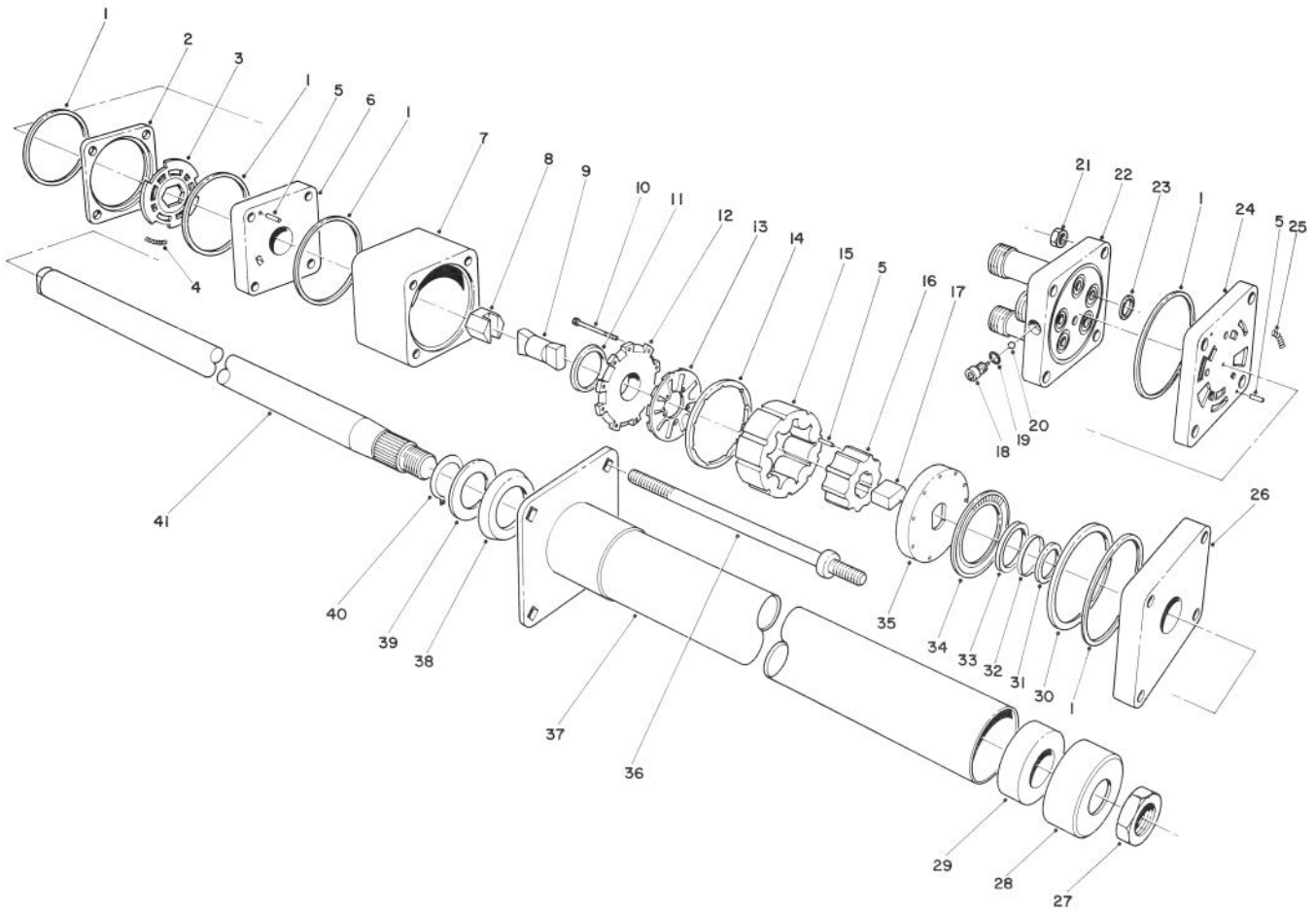
T-1044

STEERING TOWER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322-3	Screw - Cap Hex. Hd.	2
2	3253-4	Washer - Lock	2
3	75-2810	Clamp - Steering Valve	1
4	75-0560	Wheel - Steering	1
5	68-5370	Decal - TORO	1
6	32144-21	Screw	1
7	68-5140	Cap - Steering Wheel	1
8	66-9760	Nut - Steering Wheel	1
9	233-17	Knob - Parking Brake	1
10	75-0580	Panel - Tower	1
11	3256-22	Washer - Flat	4
12	3-3251	Spring - Compression	1
13	75-1490	Rod - Parking Brake	1
14	237-22	Seal - O-Ring	5
15	3256-23	Washer - Flat	6
16	3296-20	Nut - Lock	4
17	3272-5	Pin - Cotter	3

Ref. No.	Part No.	Description	No. Used
18	75-6230	Hose - Hydraulic RT	1
19	75-6240	Hose - Hydraulic IN	1
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
24	75-6220	Hose - Hydraulic LT	1
25	75-6250	Hose - Hydraulic OUT	1
26	75-0600	Steering Valve Assembly (Incl. Ref. #14)	1
27	21-9260	Seal - Shaft	1
28	3258-166	Screw - Phillip Hd.	2
29	3256-1	Washer - Flat	2
30	3296-42	Nut - Lock	2
31	3256-23	Washer - Lock E.T.L.W.	1
*	3290-378	Tie - Cable	3

*Not Illustrated



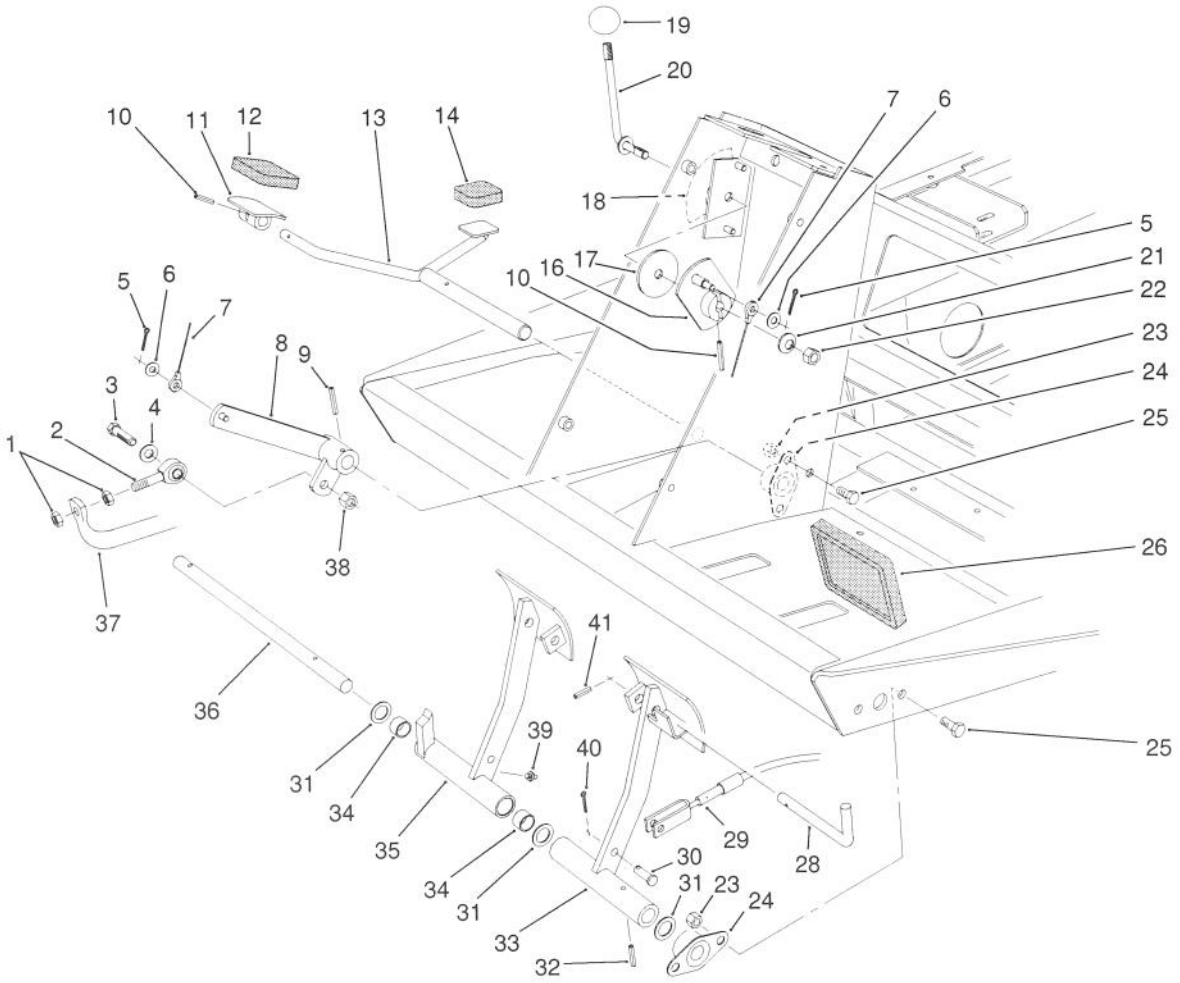
T-0417

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		Hex Drive Assy.	1
9		Link-Drive	1
10		Screw-Hex Socket Hd.	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

Ref. No.	Part No.	Description	No. Used
24		Manifold-Port	1
25		Spring	3
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
32		Ring-Back Up	1
33		Seal-Face	1
34		Bearing-Thrust	1
35		Plate-Drive	1
36	66-9850	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	Spring Kit	1
*	66-9980	Seal-Kit	1
*	66-9990	Needle Roller Kit	1
*	75-0600	Valve-Power Steering (Incl. Ref. #1-26 & 30-36)	1

*Not Illustrated



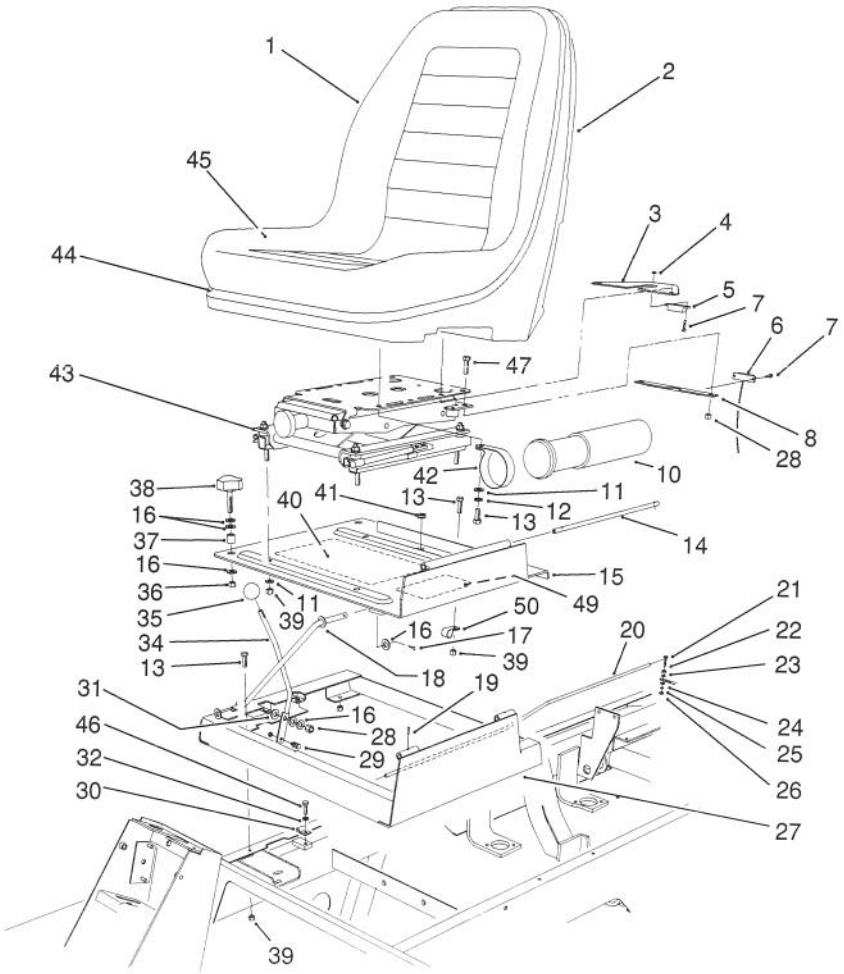
T-1045

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	323-8	Screw - Cap Hex. Hd.	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	75-6710	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 - Cap Hex. Hd.	8
26	7-3900	Pad - Brake	2
28	63-7880	Pin - Brake Latch	1
29	63-7733	Cable - Brake L.H.	1
*	63-7732	Cable - Brake R.H.	1
30	283-58	Pin - Clevis	4
31	3256-69	Washer - Thrust	3
32	32121-16	Pin - Roll	1
33	75-1440	Pedal - Brake L.H.	1
34	256-42	Bushing - Sleeve	2
35	75-1430	Brake Pedal Assembly R.H. (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

*Not Illustrated

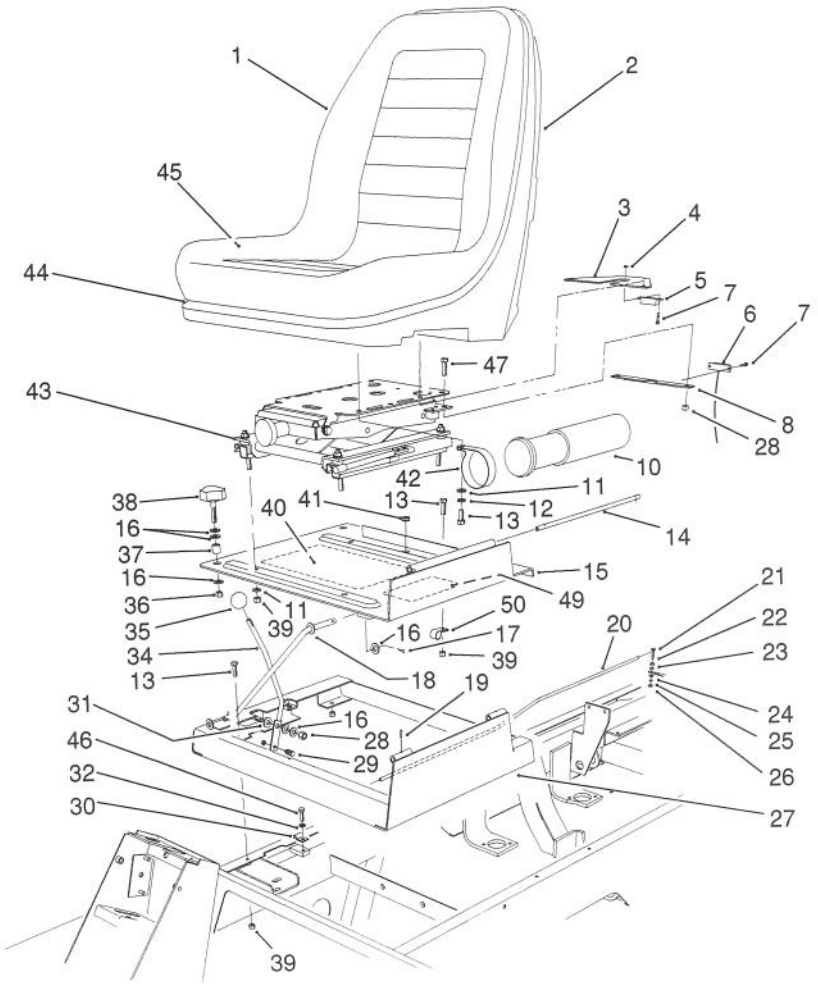


T-1046

SEAT & THROTTLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66-5400	Seat Assembly (Incl. Ref. #2 & 44-45)	1
2	67-9560	Shell - Seat	1
3	75-4370	Bracket - Switch (Seat)	1
4	3296-54	Nut - Lock	4
5	75-6330	Magnet - Switch	1
6	75-6320	Sensor - Switch	1
7	3250-29	Screw - Cap Hex. Hd.	4
8	75-4360	Bracket - Switch	1
10	74-0720	Tube - Manual	1
11	3256-2	Washer - Flat	8
12	3253-4	Washer - Lock	4
13	322-3	Screw - Cap Hex. Hd.	9
14	75-3400	Shaft - Seat Pivot	1
15	75-3880	Plate - Seat	1
16	3256-24	Washer - Flat	9
17	3272-11	Pin - Cotter	2
18	75-3680	Rod - Seat	1
19	32121-38	Pin - Roll	1
20	75-1350	Cable - Throttle	1
21	67-5110	Screw - Special	2
22	67-5100	Sleeve - Connector	2
23	67-5120	Washer - Spring	2

Ref. No.	Part No.	Description	No. Used
24	67-5130	Washer - Flat	2
25	67-5140	Washer - I.T.L.W.	2
26	67-5150	Nut - Hex.	2
27	75-3300	Frame - Seat	1
28	3296-39	Nut - Lock	3
29	63-6760	Throttle Cable Swivel Assy. (Incl. Ref. #21-26)	2
30	3-6657	Clamp - Cable	1
31	66-2920	Spacer - Throttle	2
32	3253-3	Washer - Lock	1
34	75-3430	Rod - Throttle	1
35	233-42	Knob - Throttle	1
36	3296-59	Nut - Lock	2
37	75-5270	Spacer - Locking Knob	2
38	75-5260	Knob - Locking	2
39	3296-29	Nut - Lock	9
40	75-0760	Decal - Solenoid Info.	1
41	237-141	Grommet	1
42	2412-133	Clamp - R	2
43		Seat Suspension Assembly	1
44	67-9570	Edging - Seat	1
45	67-9550	Kit - Seat Cushion	1
46	321-4	Screw - Cap Hex. Hd.	1

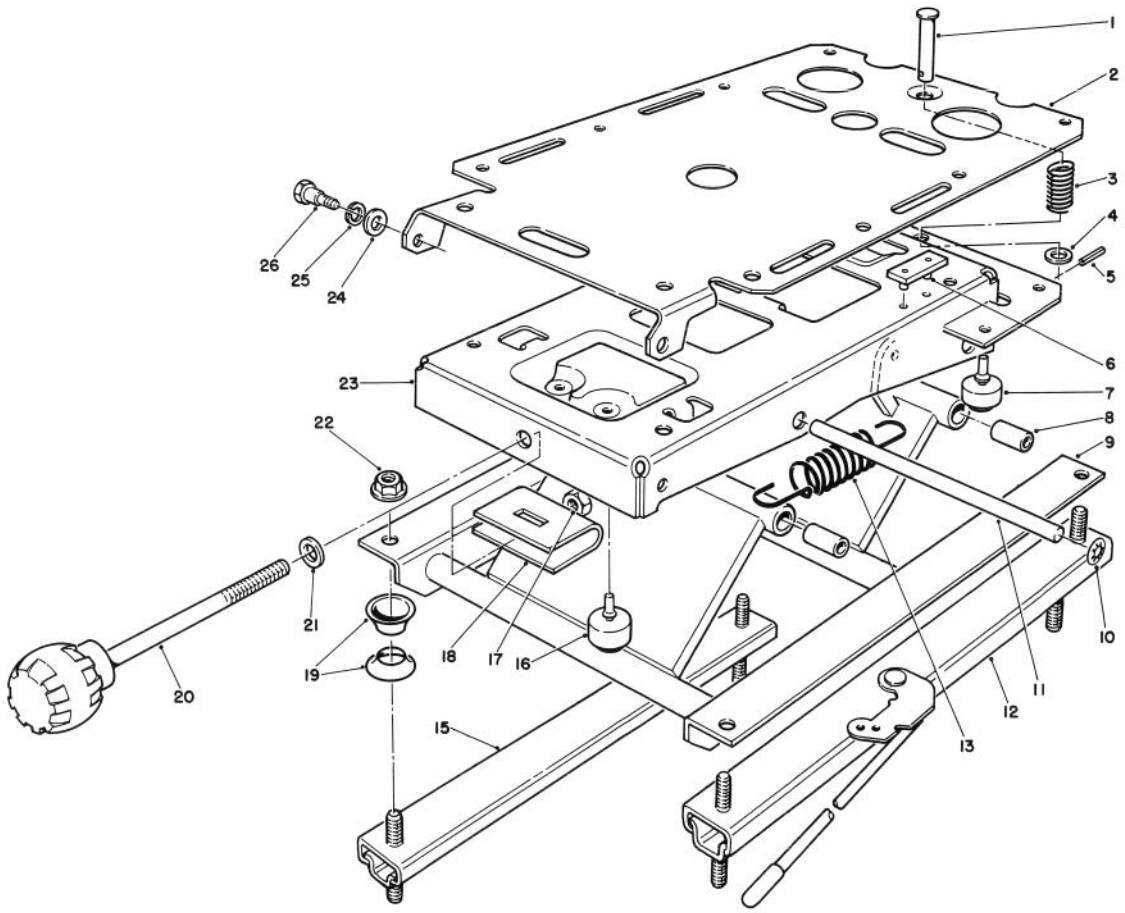


T-1046

SEAT & THROTTLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
47	323-4	Screw - Cap Hex. Hd.	2
49	75-6830	Decal - Danger	1

Ref. No.	Part No.	Description	No. Used
50	2412-93	Clamp - R	1

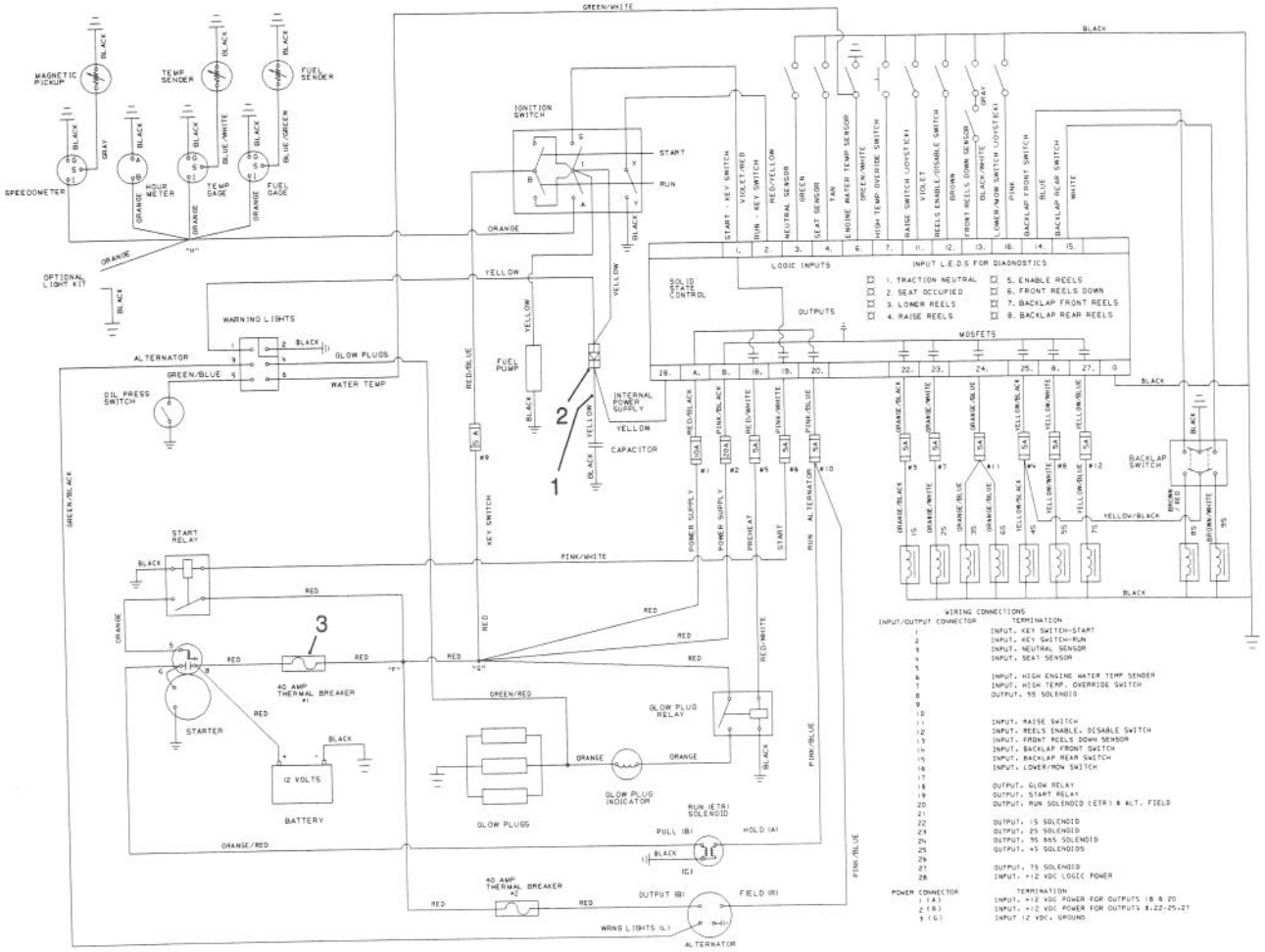


T-1031

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	3256-24	Washer	1
5	75-3540	Pin-Roll	1
6	75-3550	Bumper-Seat	2
7	76-2940	Bumper-Rubber	2
8	76-1920	Bushing-Sleeve	4
9	66-8610	Weldment-Lower	1
10	66-8560	Nut-Push	4
11	76-1910	Shaft-Pivot	2
12	82-9060	Adjuster W/Handle	1
13	75-3490	Spring-Extension	2

Ref. No.	Part No.	Description	No. Used
15	66-8530	Adjuster	1
16	66-8520	Bumper-Downstop	2
17	3296-44	Nut-Lock	1
18	75-3500	Weldment-Hanger	1
19	66-9290	Spacer	6
20	76-1930	Knob-Tension Adjustment	1
21	3256-46	Washer-Flat	1
22	32128-26	Nut-Flange	4
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	3256-5	Washer - Flat	1

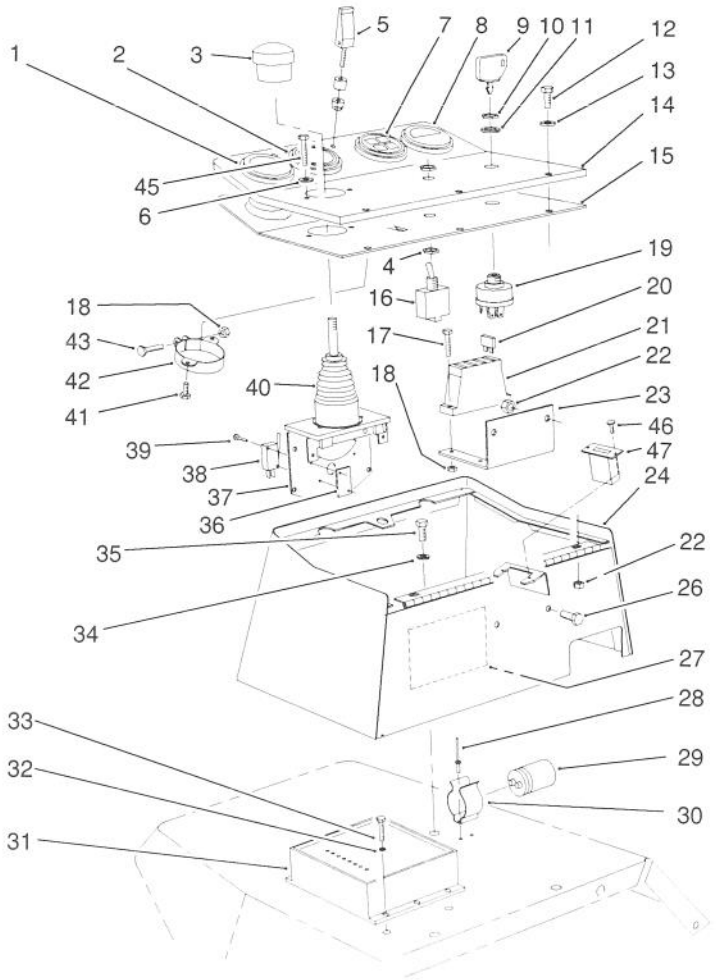


T-1143

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	75-3410	Harness - Wire Main (Incl. Ref. #2)	1

Ref. No.	Part No.	Description	No. Used
2	67-7130	Diode	1
3	70-8570	Breaker - Circuit	1



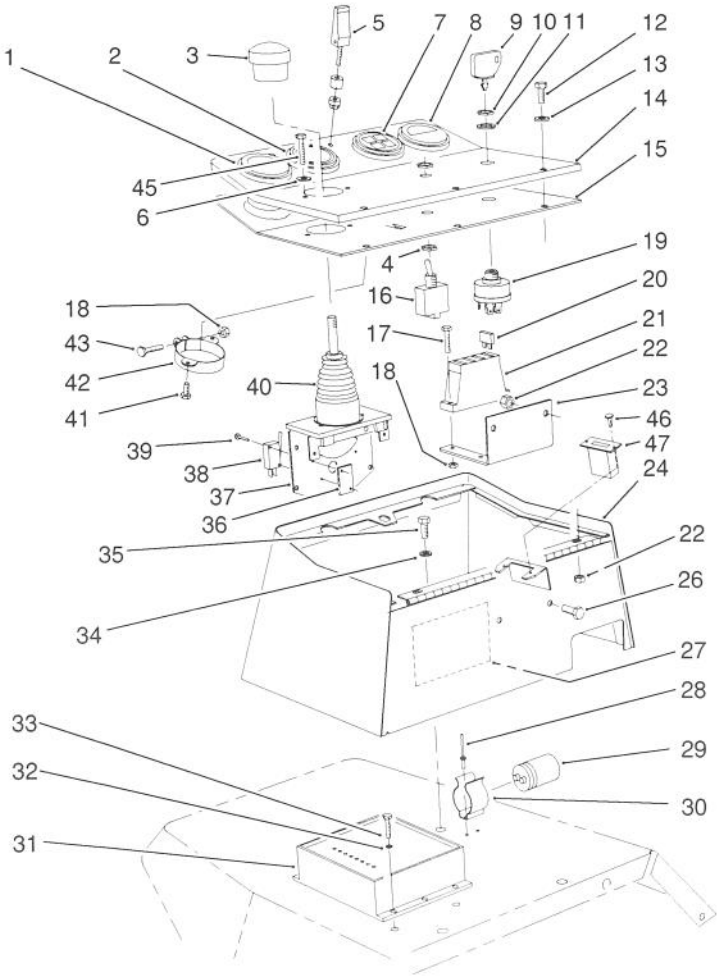
T-1047

CONTROL CONSOLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66-2940	Gauge - Fuel	1
2	75-6620	Gauge - Speedometer	1
3	3290-489	Knob - Lift Control	1
4	218-498	Nut - Hex.	2
5	249-48	Swell Latch Assembly	1
6	3256-77	Washer - Flat	2
7	66-2960	Cluster - Warning	1
*	75-4710	Harness - Warning Light	1
*	219-17	Bulb - Light	4
8	63-7430	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 - Phillip Hd.	5
13	3256-1	Washer - Flat	5
14	75-0590	Panel - Control	1
15	75-6270	Cover - Control Box	1
16	75-1010	Toggle Switch Assembly (Incl. Ref. #4)	1
17	32105-13	Screw - Cap Hex. Hd.	4
18	3296-2	Nut - Lock	5
19	27-2360	Ignition Switch Assembly (Incl. Ref. #9-11)	1

Ref. No.	Part No.	Description	No. Used
20	218-573	Fuse - 5A	10
*	218-578	Fuse - 10A	1
*	218-594	Fuse - 20A	1
21	67-7160	Block - Fuse	3
22	3296-42	Nut - Lock	7
23	75-4380	Bracket - Fuse Block	1
24	75-5740	Box - Control	1
26	321-39	Screw - Cap Hex. Hd.	2
27	75-0690	Decal - Instruction	1
28	3269-15	Rivet - Pop	2
29	37-2690	Capacitor	1
30	74-2310	Clamp - Capacitor	1
31	75-0530	Controller - Electronic	1
32	3253-3	Washer - Lock	3
33	321-4	Screw - Cap Hex. Hd.	3
34	3256-3	Washer - Flat	4
35	322-3	Screw - Cap Hex. Hd.	4
36	3290-354	Plate - Nut	2
37	75-3420	Lift Control Assembly (Incl. Ref. #3 & 37-40)	1
38	218-590	Switch - Micro	2
39	3290-93	Screw - Cap Hex. Hd.	4
40	3290-488	Boot - Lift Control	1

*Not Illustrated



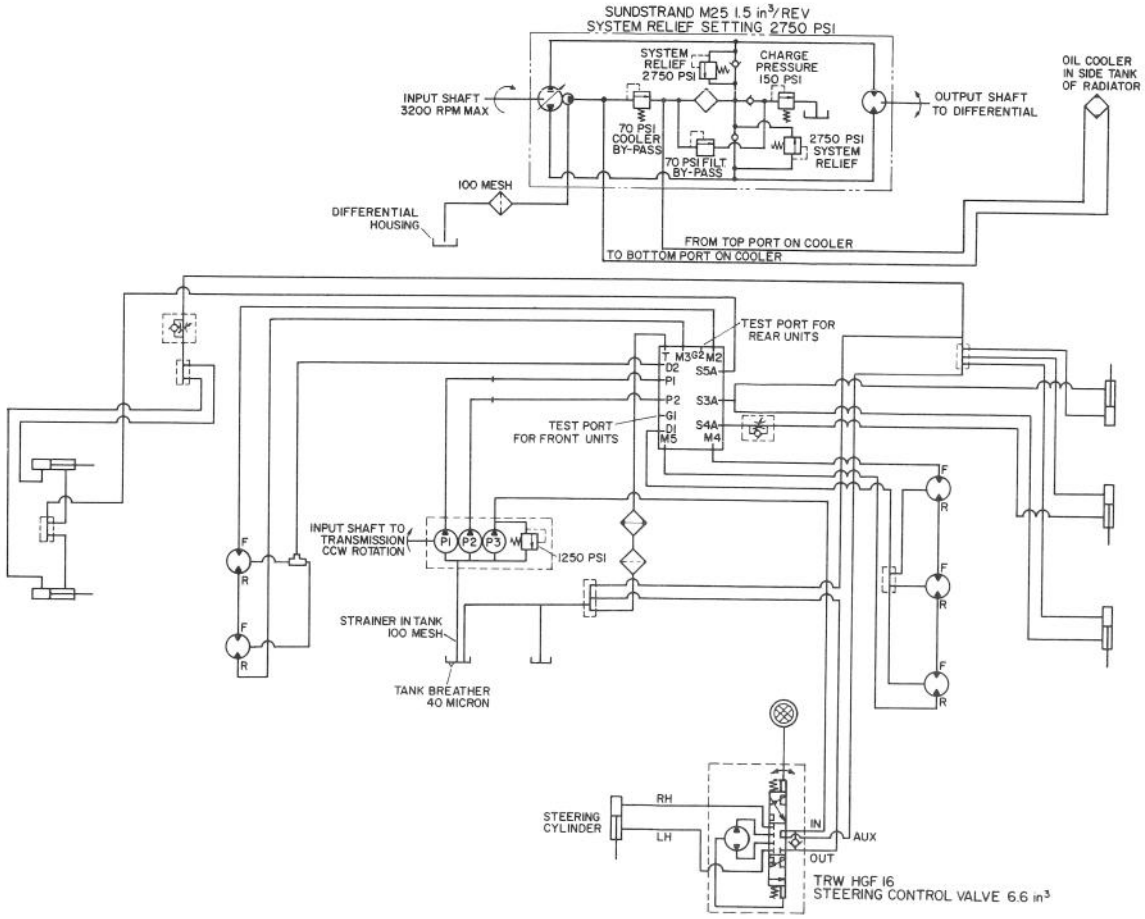
T-1047

CONTROL CONSOLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
41	32144-39	Screw - Cap Hex. Hd.	2
42	69-4780	Clamp - Hour Meter	1
43	32105-1	Screw - Cap Hex. Hd.	1
45	3273-26	Screw - Hex. Socket Hd.	2

Ref. No.	Part No.	Description	No. Used
46	32144-18	Screw - Cap Hex. Hd.	2
47	75-6820	Meter - Hour	1
*	75-3410	Harness - Wire Main (Incl. Ref. #20-21)	1

*Not Illustrated

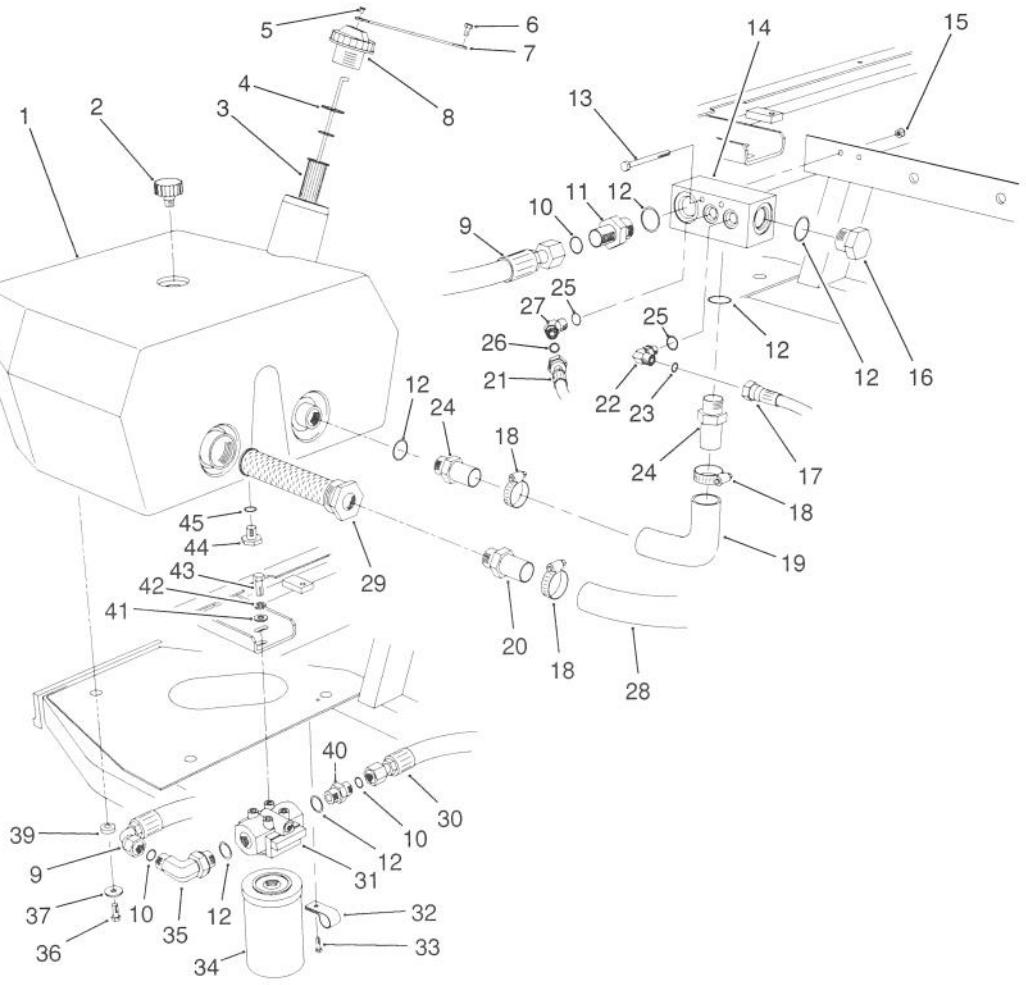


T-1144

HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used

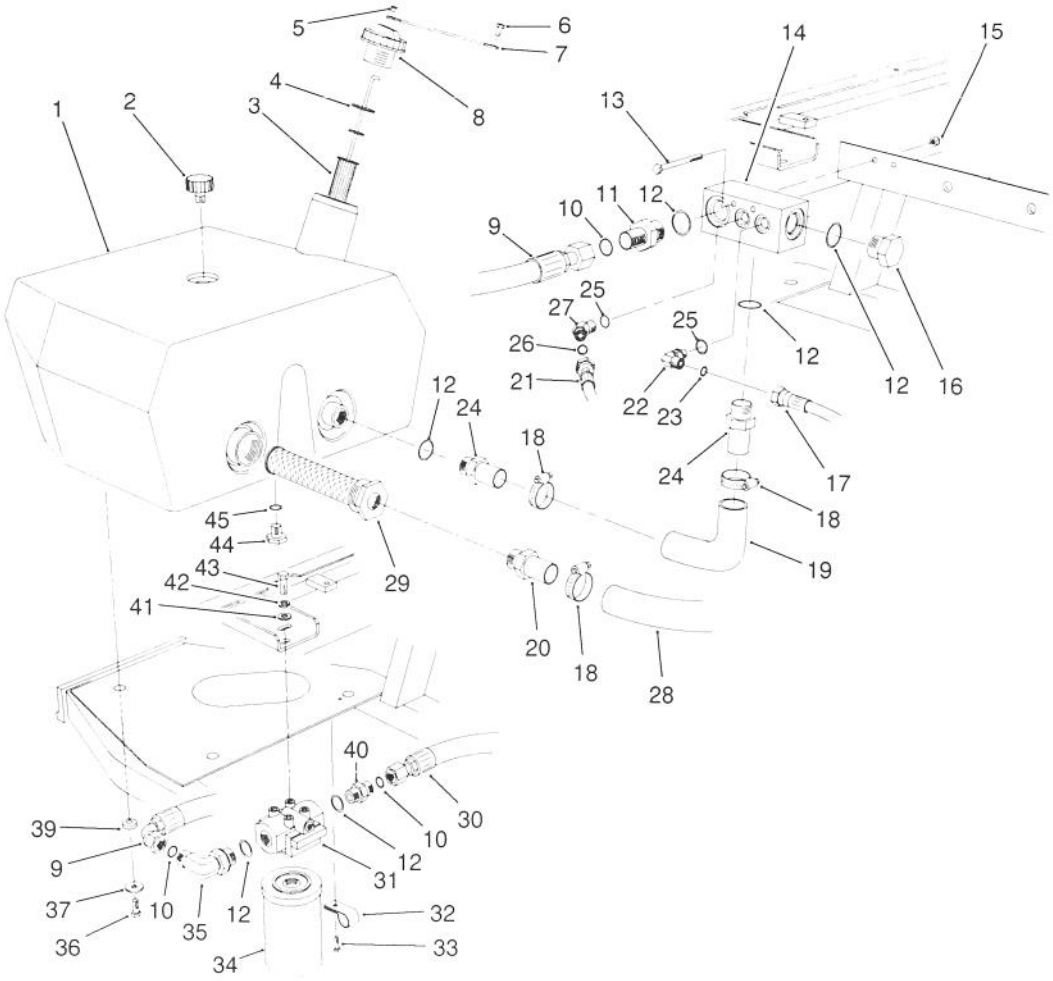


T-1048

HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75-1170	Reservoir - Hydraulic	1
2	68-6150	Breather - Hydraulic Tank	1
3	61-2790	Screen - Filler	1
4	75-3710	Dipstick	1
5	2410-73	Retainer - Tether	1
6	321-2	Screw - Cap Hex. Hd.	1
7	75-0540	Tether - Cap	1
8	70-8640	Cap - Hydraulic Reservoir	1
9	75-6130	Hose - Hydraulic	1
10	237-65	Seal - O-Ring	5
11	340-8	Fitting - Hydraulic Straight (Incl. Ref. #10 & 12)	1
12	237-81	Seal - O-Ring	4
13	321-23	Screw - Cap Hex. Hd.	2
14	75-5480	Manifold - Tank	1
15	3296-42	Nut - Lock	2
16	354-74	Fitting 0 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

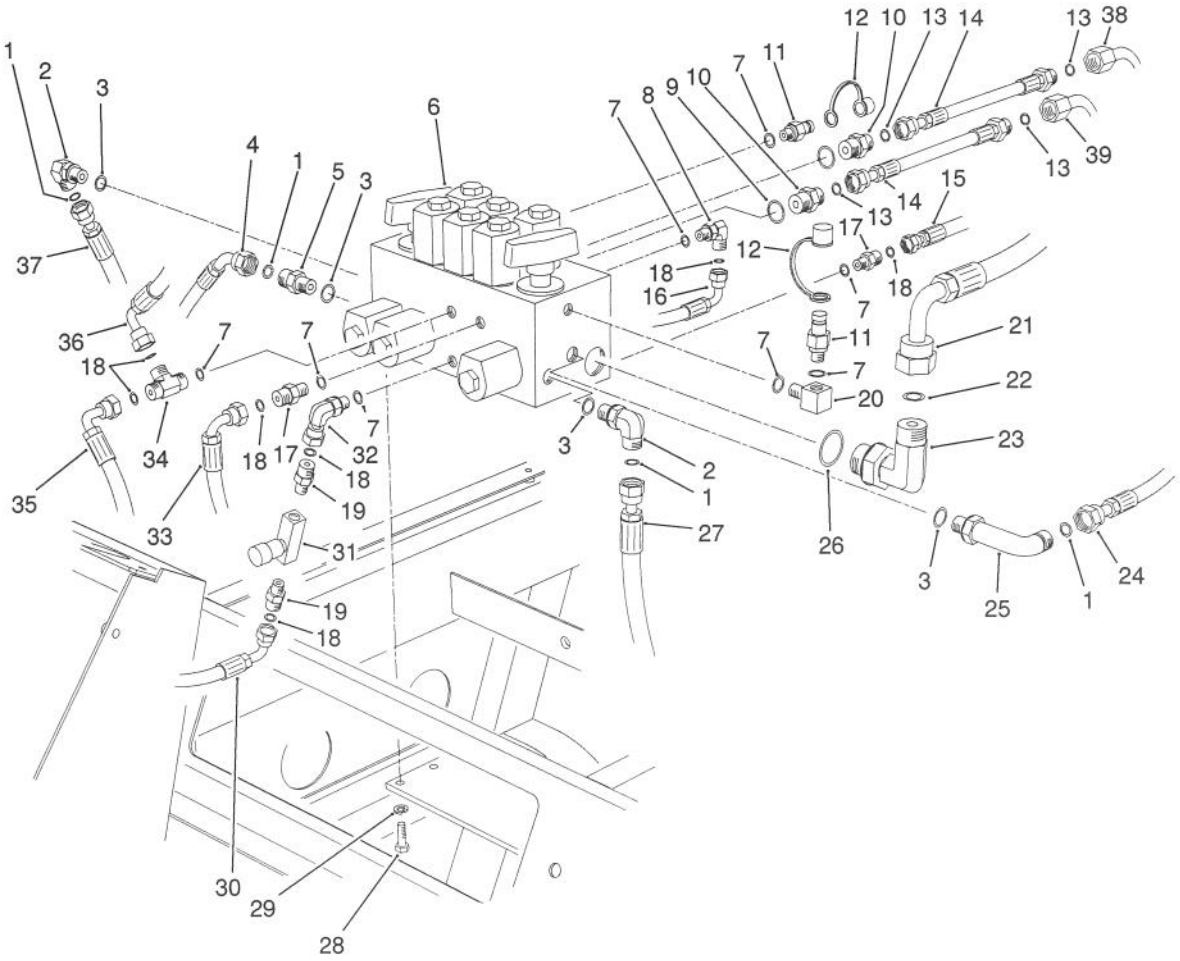
Ref. No.	Part No.	Description	No. Used
21	75-6200	Hose - Hydraulic	1
22	340-77	Fitting - Hydraulic 90° (Incl. Ref. #23 & 25)	1
23	237-22	Seal - O-Ring	3
24	354-73	Fitting - Hydraulic Straight (Incl. Ref. #12)	2
25	237-42	Seal - O-Ring	2
26	237-21	Seal - O-Ring	1
27	340-137	Fitting - Hydraulic 45° (Incl. Ref. #25 & 26)	1
28	75-6870	Hose - Hydraulic Suction	1
29	75-0550	Strainer - Suction	1
30	75-6140	Hose - Hydraulic	1
31	63-8280	Head - Hydraulic Filter	1
32	2412-93	Clamp - R	2
33	32144-10	Screw - Hex. Washer Hd.	2
34	75-1310	Element - Hydraulic Filter	1
35	340-139	Fitting - Hydraulic 90° (Incl. Ref. #10 & 12)	1
36	323-5	Screw - Cap Hex. Hd.	3
37	63-8410	Washer - Flat	3
39	240-11	Grommet	3



T-1048

HYDRAULIC RESERVOIR ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
40	340-8	Fitting - Hydraulic Straight (Incl. Ref. #10 & 12)	1
41	3256-24	Washer - Flat	2
42	3253-21	Washer - Lock	2
43	323-4	Screw - Cap Hex. Hd.	2
44	353-550	Fitting - Plug (Incl. Ref. #45)	1
45	237-79	Seal - O-Ring	1

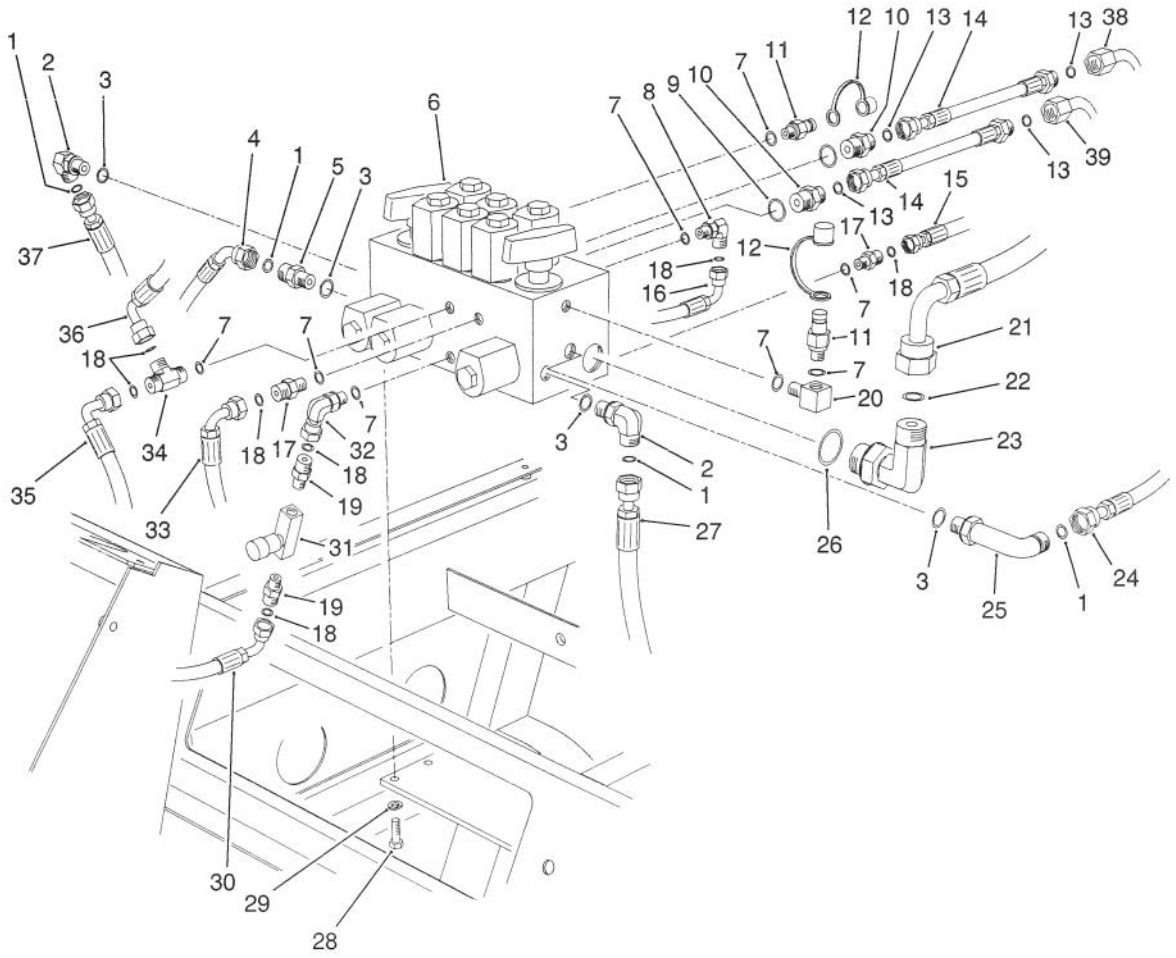


T-1094

HYDRAULIC CONTROL MANIFOLD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	237-22	Seal - O-Ring	4
2	340-77	Fitting - Hydraulic 90° (Incl. Ref. #1 & 3)	2
3	237-42	Seal - O-Ring	4
4	75-6000	Hose - Hydraulic	1
5	340-2	Fitting - Hydraulic Straight (Incl. Ref. #1 & 3)	1
6	75-2150	Control Manifold Assembly	1
7	237-78	Seal - O-Ring	7
8	340-132	Fitting - Hydraulic 90° (Incl. Ref. #7 & 18)	1
9	237-79	Seal - O-Ring	2
10	340-4	Fitting - Hydraulic Straight (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	Seal - O-Ring	4
14	75-5230	Hose - Hydraulic	2
15	75-6120	Hose - Hydraulic	1
16	75-5950	Hose - Hydraulic	1
17	340-92	Fitting - Hydraulic Straight (Incl. Ref. #7 & 18)	2
18	237-21	Seal - O-Ring	7

Ref. No.	Part No.	Description	No. Used
19	340-13	Fitting - Hydraulic Straight (Incl. Ref. #18)	2
20	75-6640	Fitting - Hydraulic 90° (Incl. Ref. #7)	1
21	75-6160	Hose - Hydraulic	1
22	237-65	Seal - O-Ring	1
23	340-139	Fitting - Hydraulic 90° (Incl. Ref. #22 & 26)	1
24	75-6050	Hose - Hydraulic	1
25	69-4320	Fitting - Hydraulic 90° (Incl. Ref. #1 & 3)	1
26	237-81	Seal - O-Ring	1
27	75-6040	Hose - Hydraulic	1
28	322-3	Screw - Cap Hex. Hd.	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	75-6060	Hose - Hydraulic	1
34	340-140	Fitting - Hydraulic Tee (Incl. Ref. #7 & 18)	1
35	75-5880	Hose - Hydraulic	1
36	75-5890	Hose - Hydraulic	1

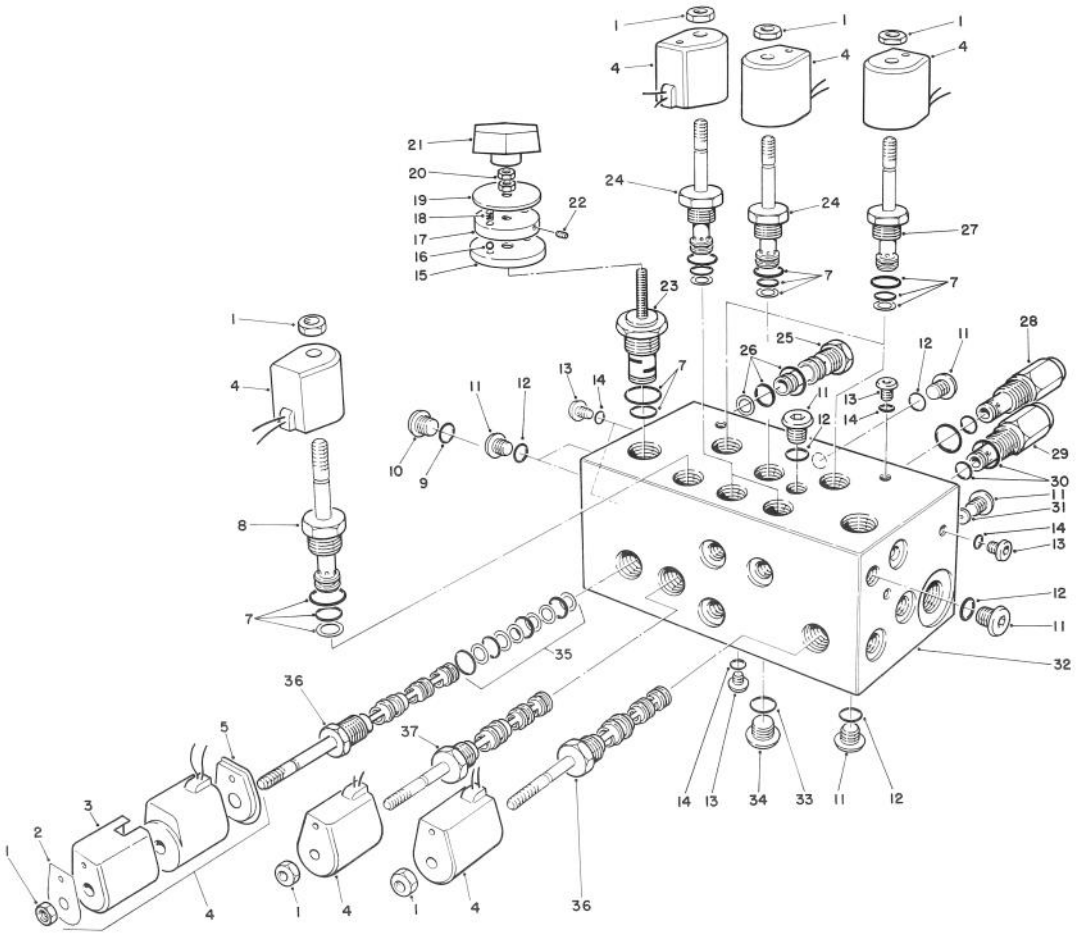


T-1094

HYDRAULIC CONTROL MANIFOLD ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
37	75-5990	Hose - Hydraulic	1
38	75-5240	Tube - Hydraulic	1

Ref. No.	Part No.	Description	No. Used
39	75-5250	Tube - Hydraulic	1



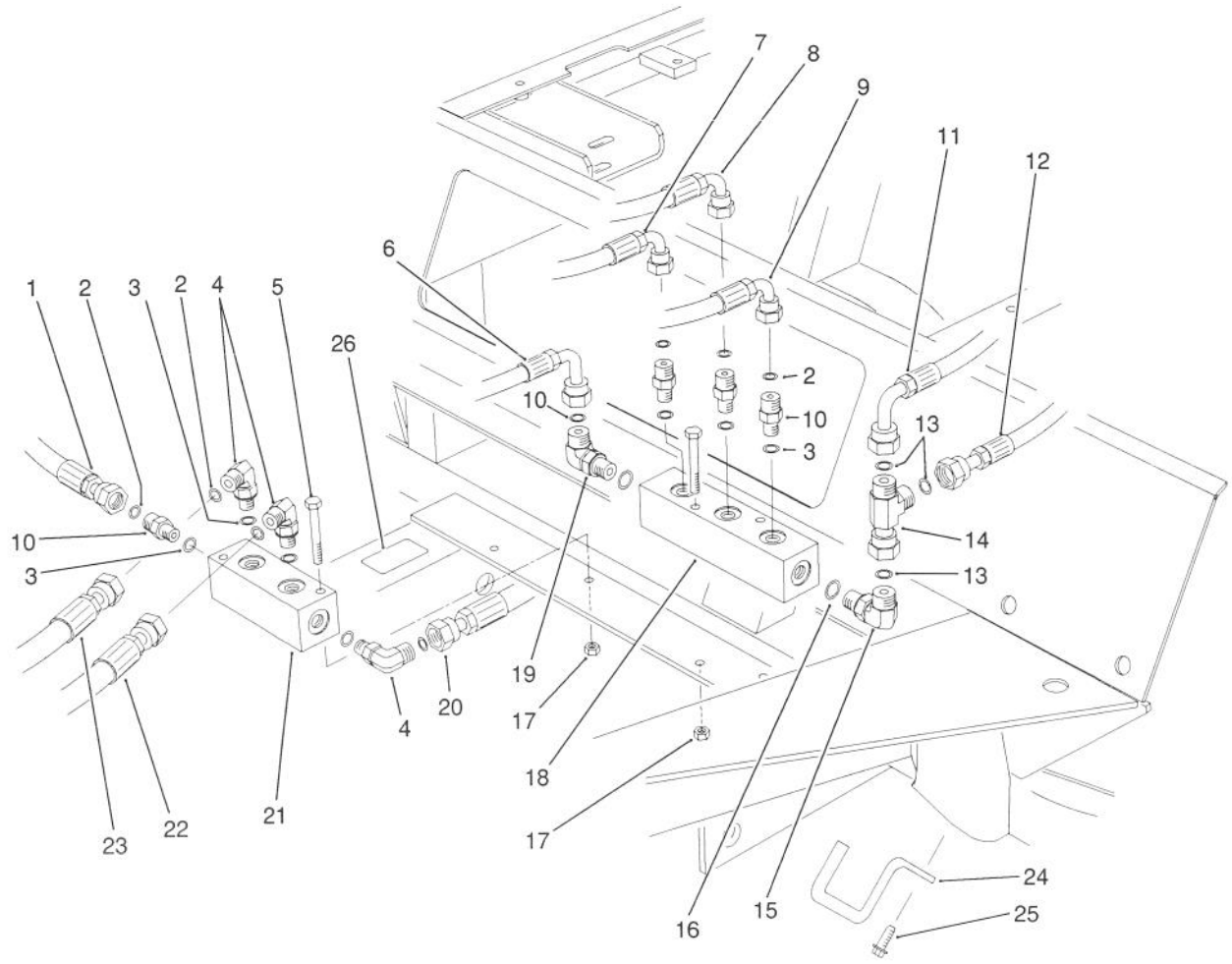
T-1035

CONTROL MANIFOLD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	69-4300	Nut	9
†2		Plate - Name	9
†3		Cover - Coil	9
4	69-4290	Solenoid Coil Assembly (Incl. Ref. #1-5)	9
†5		Plate - Coil	9
7	75-2080	Seal Kit	8
8	75-2040	Solenoid Assembly N.C. (Incl. Ref. #7)	1
9	237-80	O-Ring	1
10	354-70	Plug	1
11	353-990	Plug	10
12	237-78	O-Ring	8
13	353-991	Plug	8
14	237-156	O-Ring	8
†15		Plate - Locating	2
†16		Ball - Detent	4
†17		Plate - Detent	2
†18		Spring - Detent	4
†19		Plate - Indicator	2
†20		Nut - Jam	4
†21		Knob Assembly	2
†22		Screw - Set	2
23	75-2060	Rotary Cartridge Assembly (Incl. Ref. #7 & 15-22)	2

Ref. No.	Part No.	Description	No. Used
24	75-2050	Solenoid Assembly N.C. (Incl. Ref. #7)	3
25	69-4120	Cartridge Assembly N.C. (Incl. Ref. #26)	2
26	69-4240	Seal Kit	2
27	75-2030	Solenoid Assembly N.O. (Incl. Ref. #7)	2
28	75-0920	Relief Cartridge Assembly 3000 psi (Incl. Ref. 30)	1
29	75-2010	Relief Cartridge Assembly 2000 psi (Incl. Ref. 30)	1
30	69-4230	Seal Kit	2
31	75-2070	Plug - Orifice	2
†32		Body - Manifold	1
33	237-42	O-Ring	1
34	353-989	Plug	1
35	75-2090	Seal Kit	3
36	75-2020	Solenoid Assembly (Incl. Ref. #35)	2
37	75-6910	Solenoid Assembly (Incl. Ref. #35)	1
*	82-8520	Detent Assembly Kit (Incl. Ref. #15-22)	1

*Not Illustrated
†Not Serviceable Separately

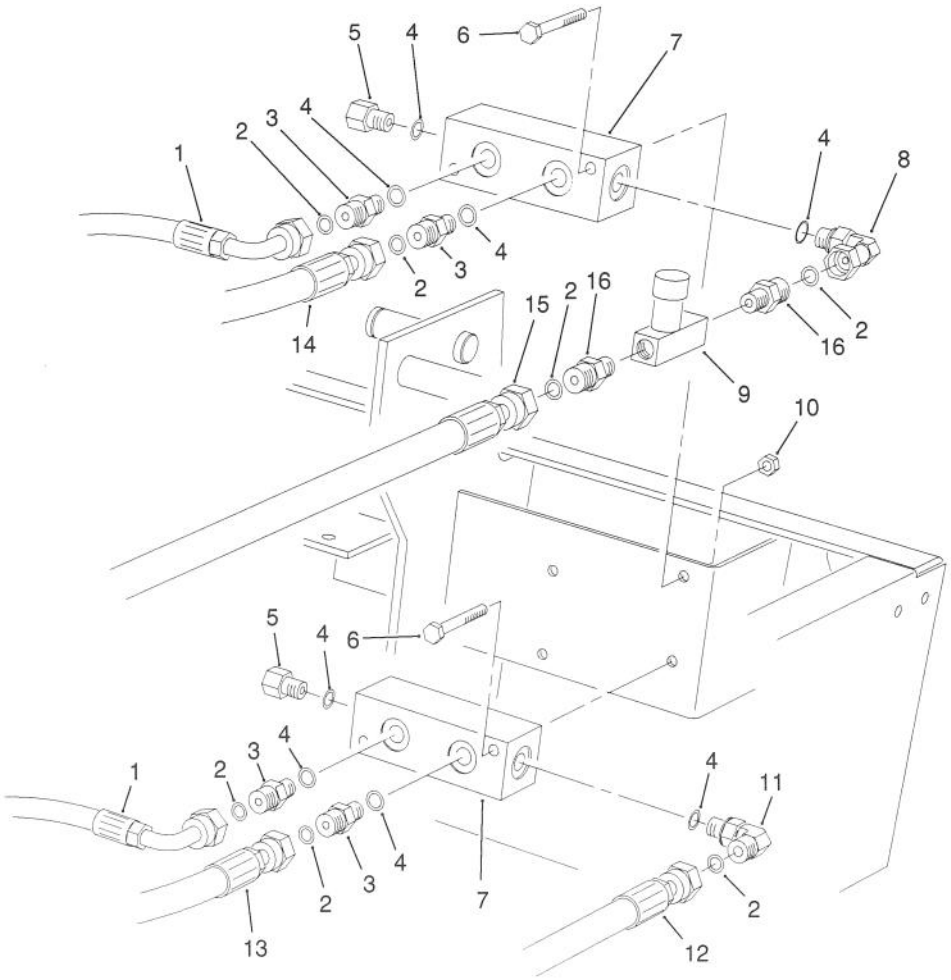


T-1058

FRONT HYDRAULIC MANIFOLDS

Ref. No.	Part No.	Description	No. Used
1	75-5980	Hose - Hydraulic	1
2	237-21	Seal - O-Ring	7
3	237-78	Seal - O-Ring	7
4	340-132	Fitting - Hydraulic 90° (Incl. Ref. #2 & 3)	3
5	321-11	Screw - Cap Hex. Hd.	4
6	75-5940	Hose - Hydraulic	1
7	75-5890	Hose - Hydraulic	1
8	75-5910	Hose - Hydraulic	1
9	75-5930	Hose - Hydraulic	1
10	340-92	Fitting - Hydraulic Straight (Incl. Ref. #2 & 3)	4
11	75-6020	Hose - Hydraulic	1
12	75-6200	Hose - Hydraulic	1
13	237-22	Seal - O-Ring	4
14	340-151	Fitting - Hydraulic Tee (Incl. Ref. #13)	1
15	340-82	Fitting - Hydraulic 90° (Incl. Ref. #13 & 16)	1
16	237-42	Seal - O-Ring	2
17	3296-42	Nut - Lock	4
18	75-1190	Manifold - Hydraulic	1
19	340-77	Fitting - Hydraulic 90° (Incl. Ref. #13 & 16)	1
20	75-5950	Hose - Hydraulic	1
21	75-1180	Manifold - Hydraulic	1
22	75-5960	Hose - Hydraulic	1
23	75-5970	Hose - Hydraulic	1
24	75-5300	Rod - Hose Support	2
25	49-2040	Screw - Hex. Washer Hd.	4
26	53-4430	Decal - Oil	1

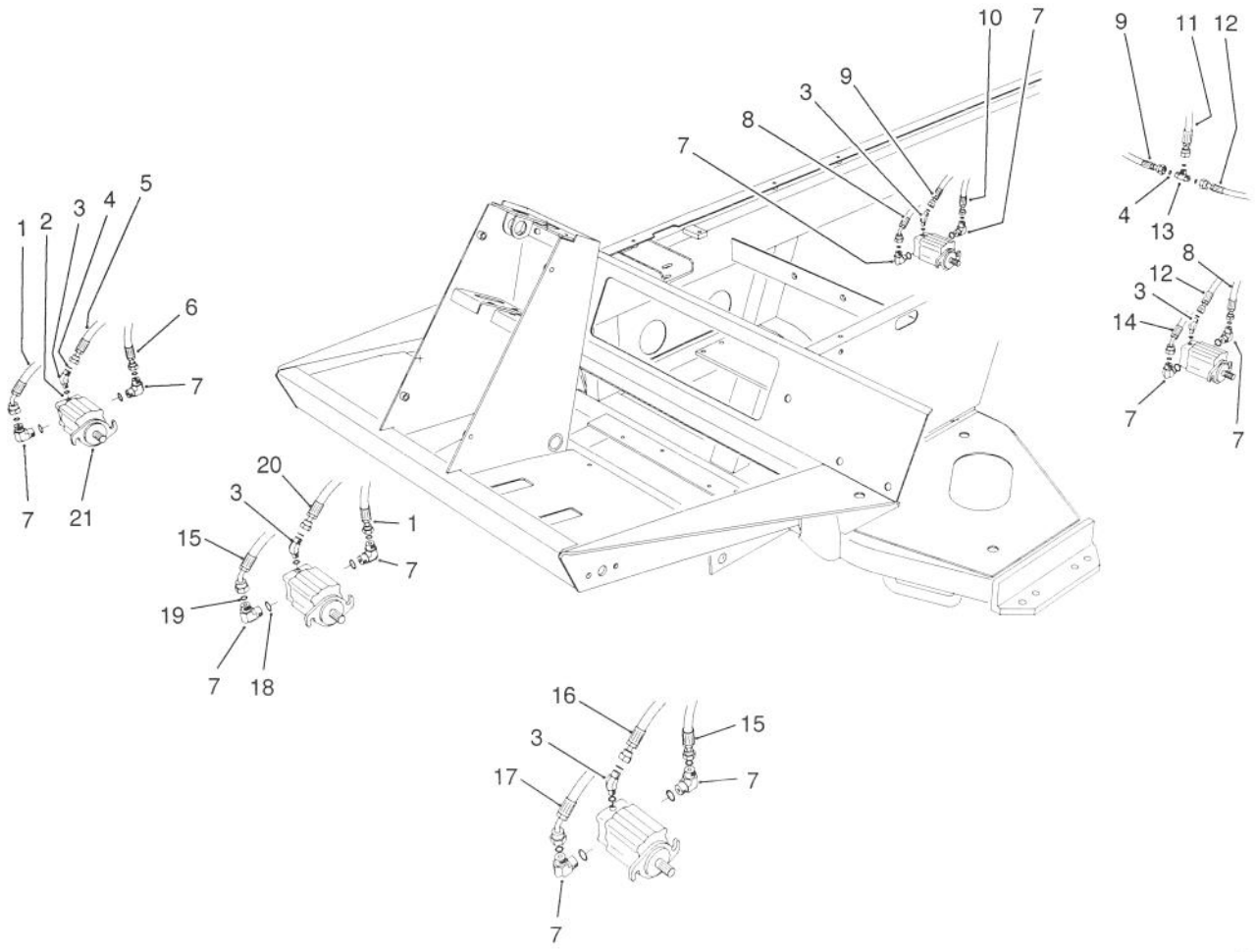
*Not Illustrated



REAR HYDRAULIC MANIFOLDS

Ref. No.	Part No.	Description	No. Used
1	75-6180	Hose - Hydraulic	2
2	237-21	Seal - O-Ring	7
3	340-92	Fitting - Hydraulic Straight (Incl. Ref. #2 & 4)	4
4	237-78	Seal - O-Ring	8
5	353-512	Fitting - Hydraulic Plug (Incl. Ref. #4)	2
6	321-11	Screw - Cap Hex. Hd.	4
7	75-1180	Manifold	2
8	340-143	Fitting - Hydraulic 90° (Incl. Ref. #4)	1

Ref. No.	Part No.	Description	No. Used
9	82-8270	Valve - Flow Control	1
10	3296-42	Nut - Lock	4
11	340-132	Fitting - Hydraulic 90° (Incl. Ref. #2 & 4)	1
12	75-6060	Hose - Hydraulic	1
13	75-6080	Hose - Hydraulic	1
14	75-6070	Hose - Hydraulic	1
15	75-6020	Hose - Hydraulic	1
16	340-13	Fitting - Hydraulic Straight (Incl. Ref. #2)	2

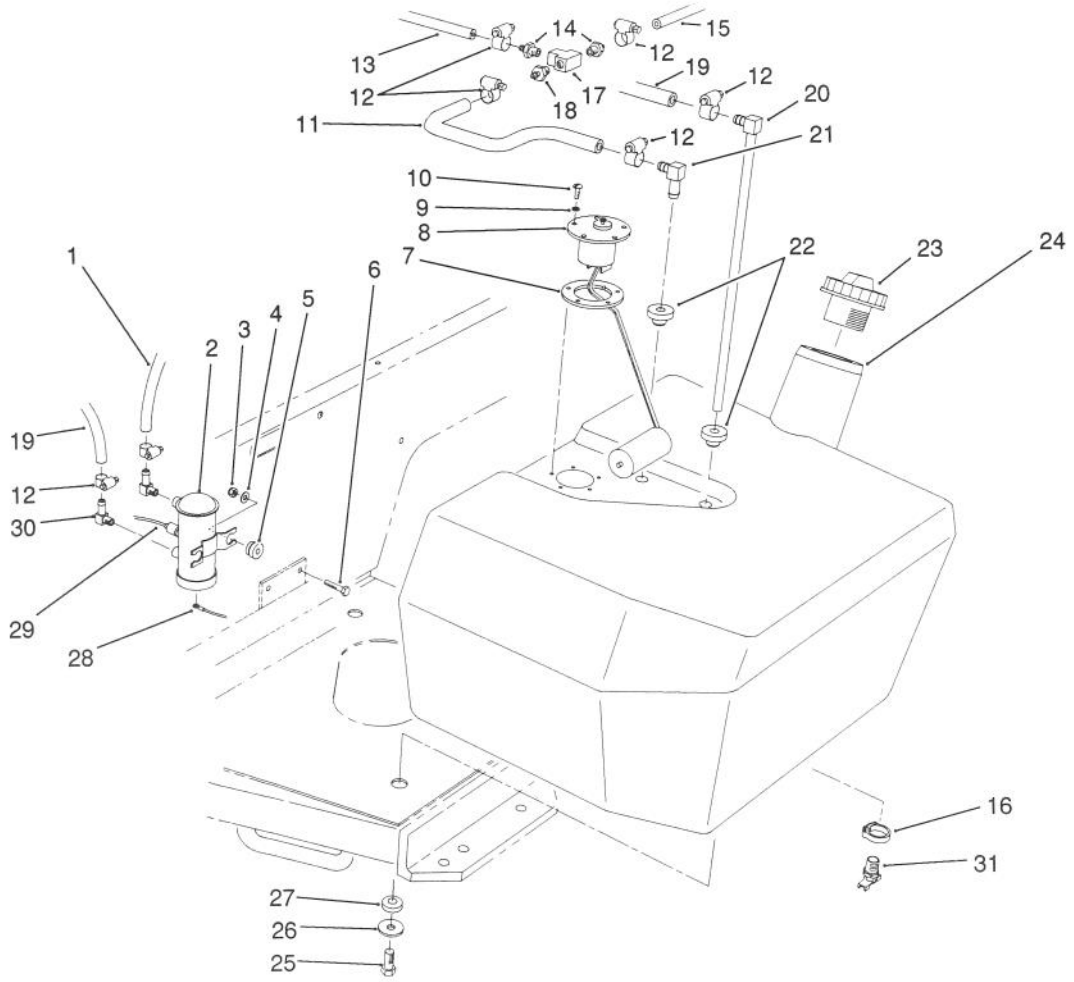


T-1150

CUTTING UNIT HYDRAULIC COMPONENTS

Ref. No.	Part No.	Description	No. Used
1	75-6030	Hose - Hydraulic	1
2	237-78	Seal - O-Ring	5
3	340-103	Fitting - Hydraulic 45° (Incl. Ref. #2 & 4)	5
4	237-21	Seal - O-Ring	8
5	75-5980	Hose - Hydraulic	1
6	75-6000	Hose - Hydraulic	1
7	340-18	Fitting - Hydraulic 90° (Incl. Ref. #18 & 19)	10
8	75-6190	Hose - Hydraulic	1
9	75-6110	Hose - Hydraulic	1
10	75-6040	Hose - Hydraulic	1

Ref. No.	Part No.	Description	No. Used
11	75-6120	Hose - Hydraulic	1
12	75-6100	Hose - Hydraulic	1
13	340-21	Fitting - Hydraulic Tee (Incl. Ref. #4)	1
14	75-6050	Hose - Hydraulic	1
15	75-6010	Hose - Hydraulic	1
16	75-5950	Hose - Hydraulic	1
17	75-5990	Hose - Hydraulic	1
18	237-79	Seal - O-Ring	10
19	237-22	Seal - O-Ring	10
20	75-5960	Hose - Hydraulic	1
21	75-1400	Motor - Hydraulic	5



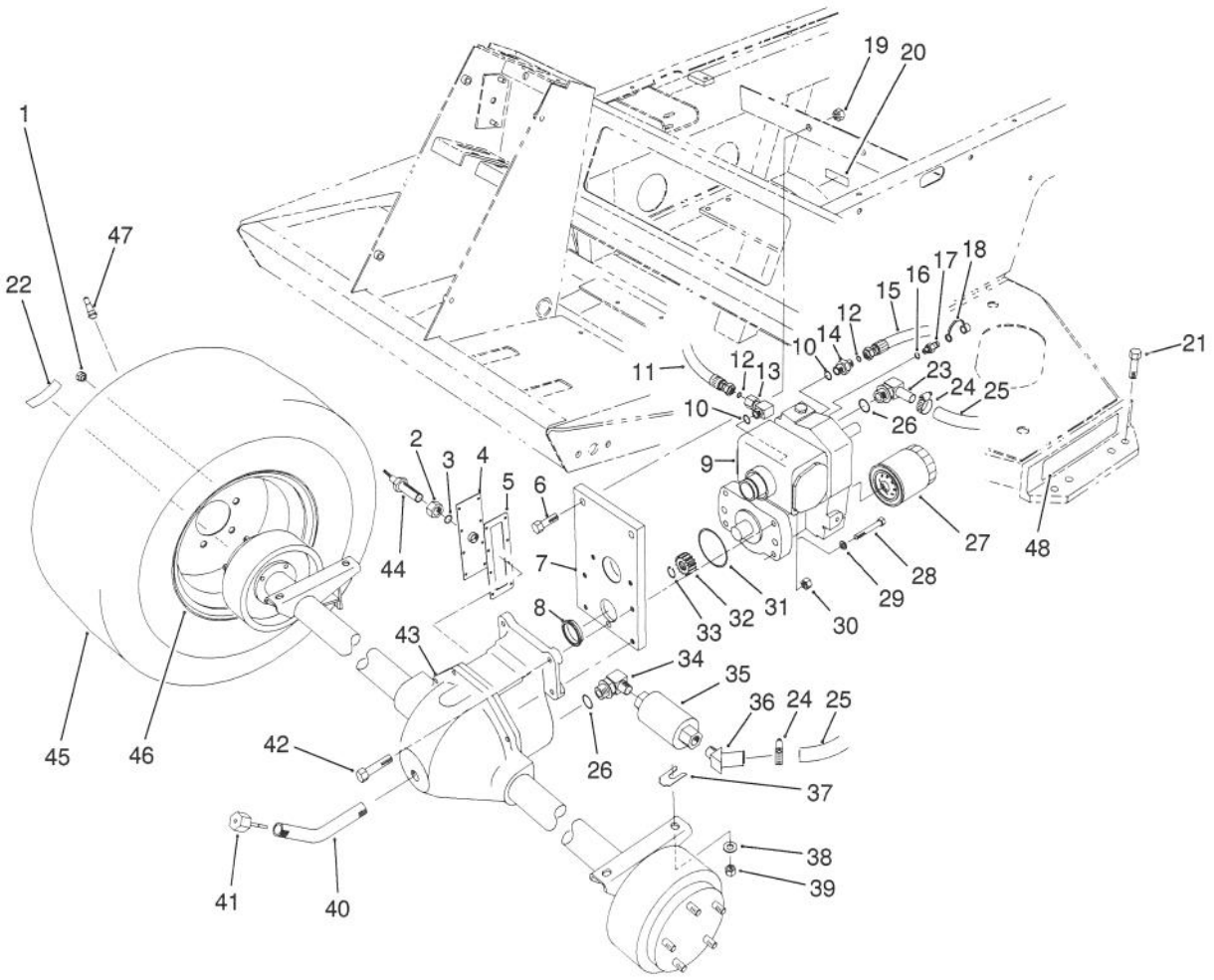
T-1049

FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-7610	Hose – Fuel	1
2	70-8460	Fuel Pump Assembly (Incl. Ref. #5 & 28-29)	1
3	3296-42	Nut – Lock	2
4	3256-22	Washer – Flat	2
†5		Mount – Rubber	2
6	321-8	Screw – Cap Hex. Hd.	2
7	62-7650	Gasket – Sending Unit	1
8	63-7640	Unit – Sending	1
9	3253-15	Washer – Lock	5
10	32122-24	Screw – Round Hd.	5
11	27-5340	Hose – Fuel	1
12	2412-108	Clamp – Hose	7
13	75-4700	Hose – Fuel	1
14	354-22	Fitting – Fuel Straight	2
15	75-4701	Hose – Fuel	1
16	2412-36	Clamp – Drain	1

Ref. No.	Part No.	Description	No. Used
17	354-20	Fitting – Fuel Tee	1
18	354-21	Fitting – Fuel Straight	1
19	44-2670	Hose – Fuel	1
20	66-8121	Standpipe – Elbow 90°	1
21	46-6550	Connector – Fuel Elbow 90°	1
22	46-6560	Grommet	2
23	70-8620	Cap – Fuel Tank (Green)	1
*	70-8621	Cap – Fuel Tank (Black)	1
24	75-1080	Tank – Fuel	1
25	323-5	Screw – Cap Hex. Hd.	3
26	63-8410	Washer – Flat	3
27	240-11	Grommet	3
28	70-8530	Wire – Fuel Pump	1
29	218-579	Wire – Fuel Pump	1
30	67-1690	Fitting – Fuel Elbow 90°	2
31	304-46	Fitting – Drain	1

*Not Illustrated
†Not Serviced Separately

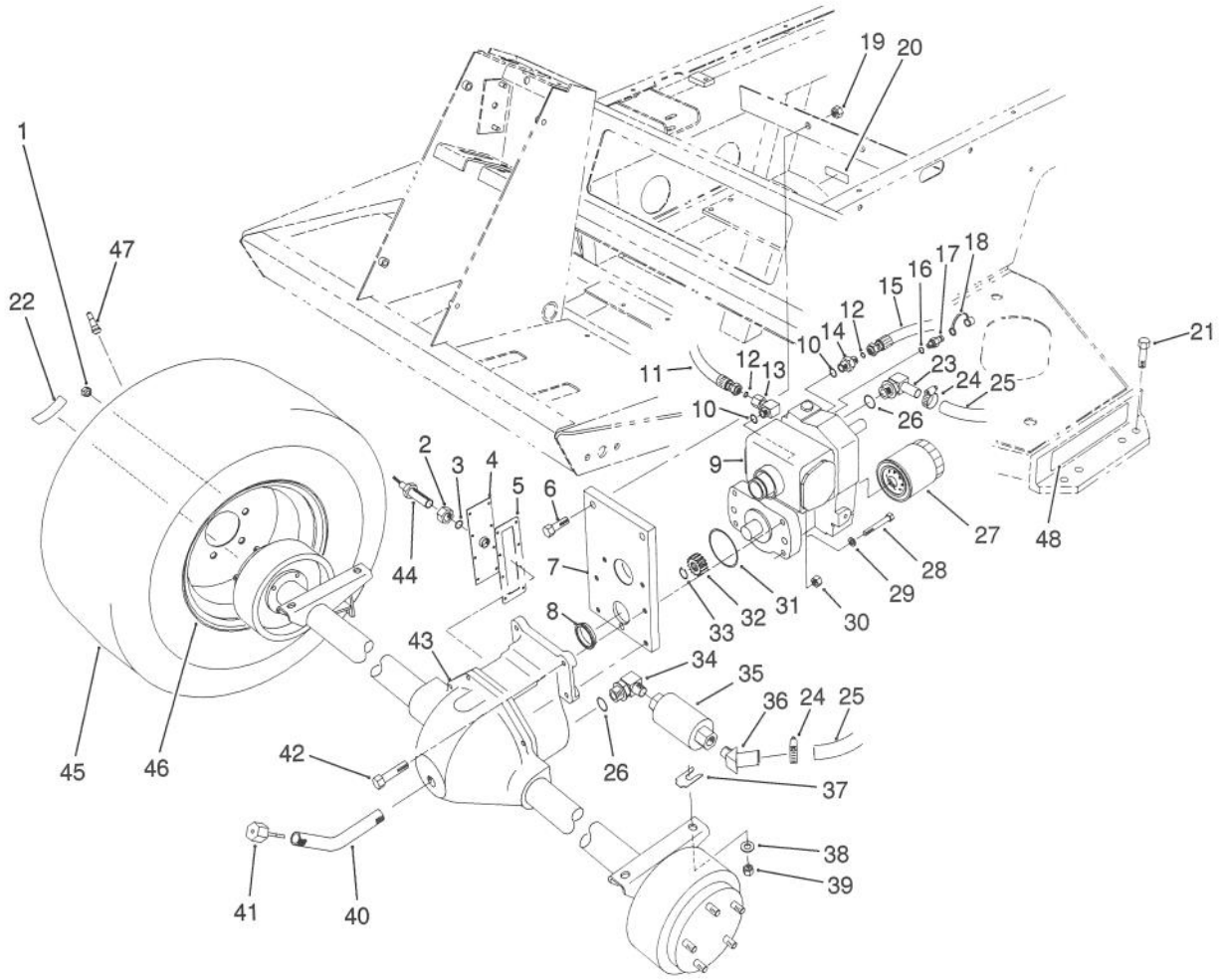


T-1050

FRONT AXLE & TRANSMISSION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	23-7270	Nut - Lug	10
2	3220-7	Nut - Jam	1
3	237-65	Seal - O-Ring	1
4	25-4980	Cover - Gear	1
5	21-7820	Gasket - Cover	1
6	325-7	Screw - Cap Hex. Hd.	2
7	75-3100	Transmission Support Assy. (Incl. Ref. #8)	1
8	75-3110	Collar - Transmission	1
9	75-0010	Transmission Assembly	1
10	237-79	Seal - O-Ring	2
11	75-6170	Hose - Hydraulic	1
12	237-22	Seal - O-Ring	2
13	340-18	Fitting - Hydraulic 90° (Incl. Ref. #10 & 12)	1
14	340-3	Fitting - Hydraulic Straight (Incl. Ref. #10 & 12)	1
15	75-6150	Hose - Hydraulic	1
16	237-78	Seal - O-Ring	1
17	354-77	Fitting - Hydraulic Test Port (Incl. Ref. #16)	1
18	354-79	Cap - Test Port	1
19	3296-23	Nut - Lock	2

Ref. No.	Part No.	Description	No. Used
20	77-0490	Decal - Bolt	1
21	324-6	Screw - Cap Hex. Hd.	4
22	76-8730	Decal - Bolt Torque	2
23	75-4720	Fitting - Hydraulic 90° (Incl. Ref. #26)	1
24	2412-34	Clamp - Hose	2
25	75-6350	Hose	1
26	237-81	Seal - O-Ring	2
27	75-1330	Filter - Oil	1
28	323-12	Screw - Cap Hex. Hd.	2
29	3253-21	Washer - Lock	2
30	3296-39	Nut - Lock	2
31	237-161	Seal - O-Ring	1
32	23-4810	Gear - Pinion	1
33	32151-62	Ring - Retaining	1
34	354-75	Fitting - Hydraulic 90° (Incl. Ref. #26)	1
35	75-6340	Strainer - In-Line	1
36	354-72	Fitting - Hydraulic 45°	1
37	42-6080	Shim - Axle	A/R
38	3256-25	Washer - Flat	4
39	3296-48	Nut - Lock	4
40	75-6850	Tube - Oil Fill	1

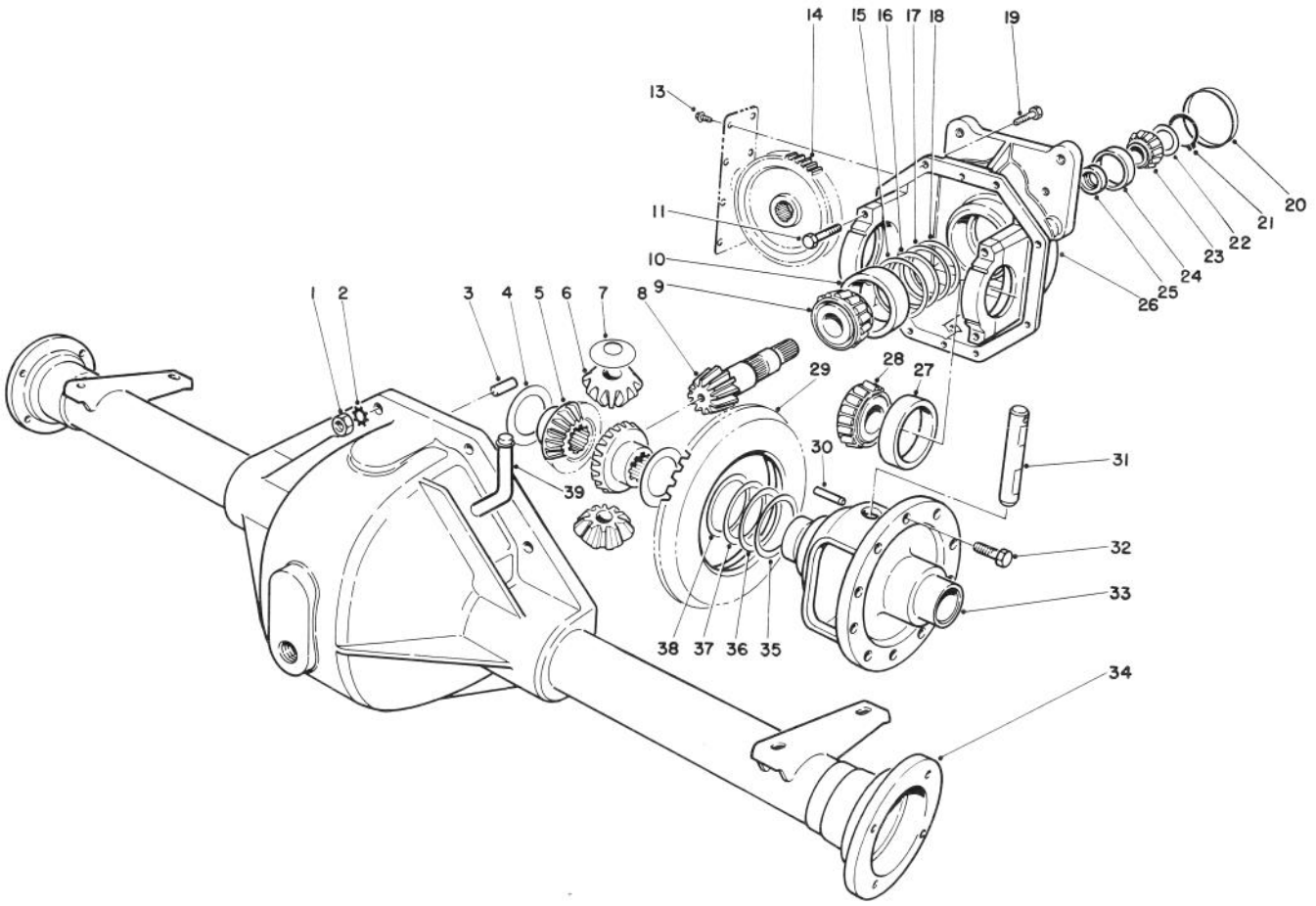


T-1050

FRONT AXLE & TRANSMISSION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
41	27-3710	Dipstick - Axle	1
42	323-20	Screw - Cap Hex. Hd.	2
43	75-0710	Front Axle Assembly	1
44	75-6700	Sensor - Magnetic	1
45	231-136	Tire - Aggresive (Std.)	2
46	217-120	Rim	2
47	232-27	Stem - Valve	2

Ref. No.	Part No.	Description	No. Used
48	75-0810	Decal - Caution (English)	2
*	75-0820	Decal - Caution (Dutch)	2
*	75-0830	Decal - Caution (French)	2
*	75-0840	Decal - Caution (German)	2
*	75-0850	Decal - Caution (Italian)	2
*	75-0860	Decal - Caution (Spanish)	2
*	75-0870	Decal - Caution (Swedish)	2



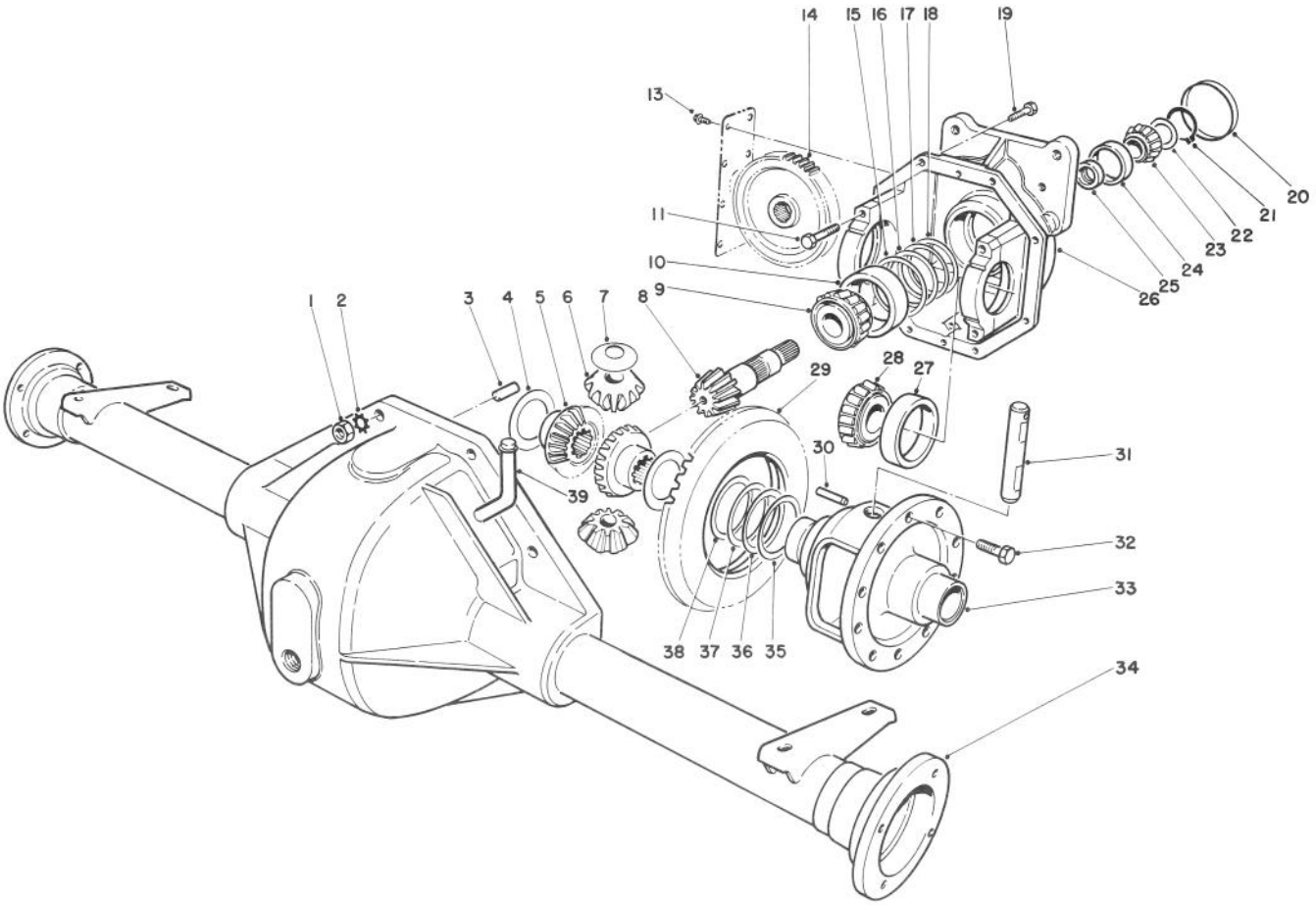
T-0998

FRONT AXLE ASSEMBLY NO. 75-0710

Ref. No.	Part No.	Description	No. Used
1	3219-2	Nut	8
2	3255-8	Washer-Lock	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	324-23	Screw-Cap, Hex Hd.	4
13	12-5450	Screw-Thread Forming	8
14	21-8150	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	3210-7	Screw-Cap, Hex Hd.	8
20	21-7850	Plug-Cap	1
21	43-6550	Ring-Retaining	1
22	46-2210	Shim-Front Pinion .031	A/R
*	46-2211	Shim-Front Pinion .033	A/R
22	46-2212	Shim-Front Pinion .035	A/R

Ref. No.	Part No.	Description	No. Used
*	46-2213	Shim-Front Pinion .037	A/R
*	46-2214	Shim-Front Pinion .039	A/R
*	46-2215	Shim-Front Pinion .041	A/R
*	46-2216	Shim-Front Pinion .043	A/R
*	46-2220	Shim-Front Pinion .045	A/R
*	46-2221	Shim-Front Pinion .047	A/R
*	46-2222	Shim-Front Pinion .049	A/R
*	46-2223	Shim-Front Pinion .051	A/R
*	46-2224	Shim-Front Pinion .053	A/R
*	46-2225	Shim-Front Pinion .055	A/R
*	46-2226	Shim-Front Pinion .057	A/R
*	46-2410	Shim-Front Pinion .062	A/R
*	46-2411	Shim-Front Pinion .064	A/R
*	46-2412	Shim-Front Pinion .066	A/R
*	46-2413	Shim-Front Pinion .068	A/R
*	46-2414	Shim-Front Pinion .070	A/R
*	46-2415	Shim-Front Pinion .072	A/R
*	46-2416	Shim-Front Pinion .074	A/R
*	46-2420	Shim-Front Pinion .076	A/R
*	46-2421	Shim-Front Pinion .078	A/R
*	46-2422	Shim-Front Pinion .080	A/R
*	46-2423	Shim-Front Pinion .082	A/R

*Not Illustrated
†Not Serviced Separately



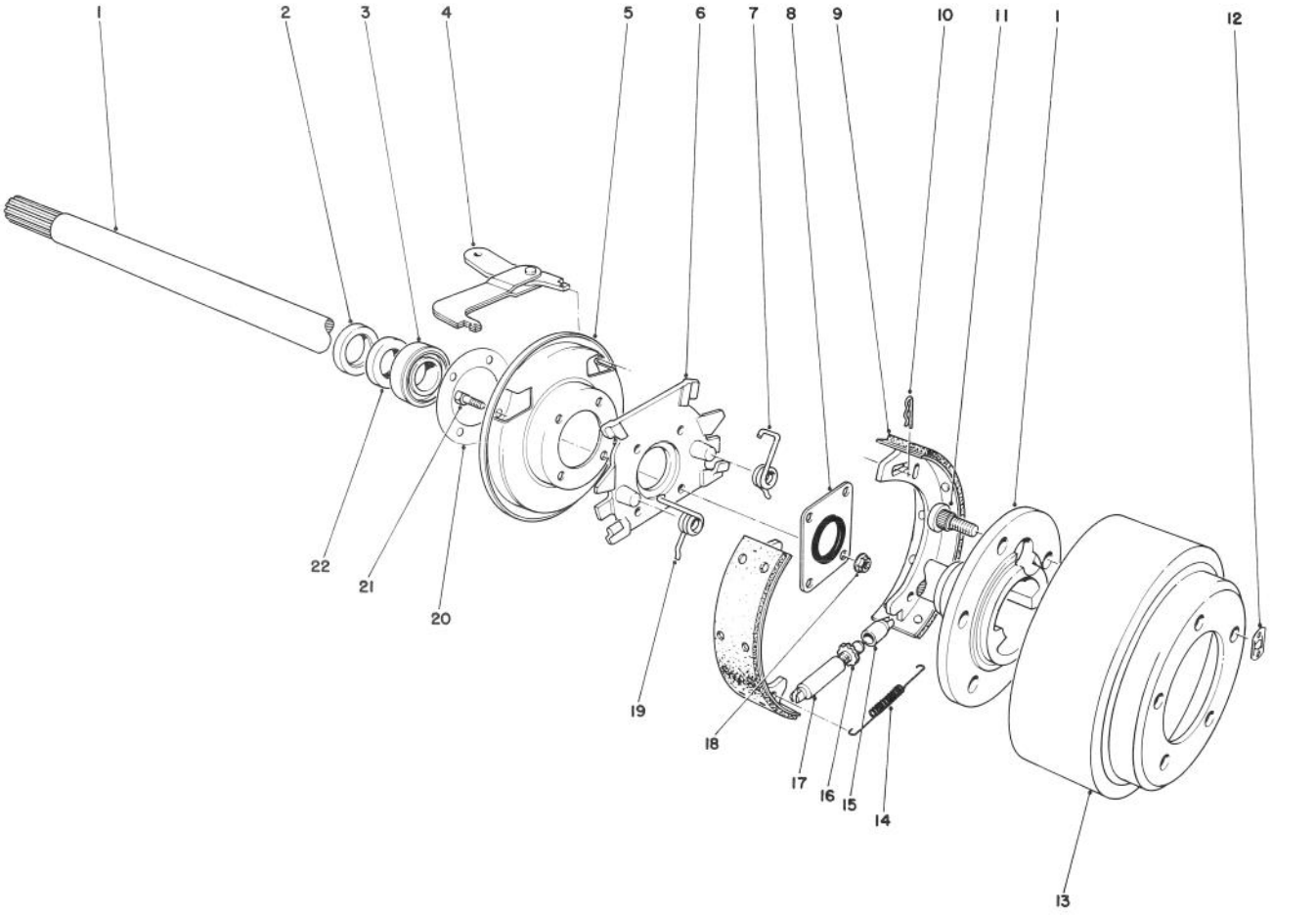
T-0998

FRONT AXLE ASSEMBLY NO. 75-0710 (Continued)

Ref. No.	Part No.	Description	No. Used
22	46-2424	Shim-Front Pinion .084	A/R
*	46-2425	Shim-Front Pinion .086	A/R
*	46-2426	Shim-Front Pinion .088	A/R
23	254-91	Cone-Bearing	1
24	21-8390	Cup-Bearing	1
25	21-8020	Spacer-Front Pinion	1
26	70-2760	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

Ref. No.	Part No.	Description	No. Used
32	21-7770	Screw-Drive Gear	5
33	21-7670	Case-Differential	1
34	75-0720	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	21-8230	Vent Tube Assembly	1
*	24-7880	Differential Case Assembly (Incl. Ref. #4-7, 30, 31 & 33)	1
*	43-6510	Gear & Pinion Assembly (Incl. Ref. #8 & 29)	1

*Not Illustrated
†Not Serviced Separately



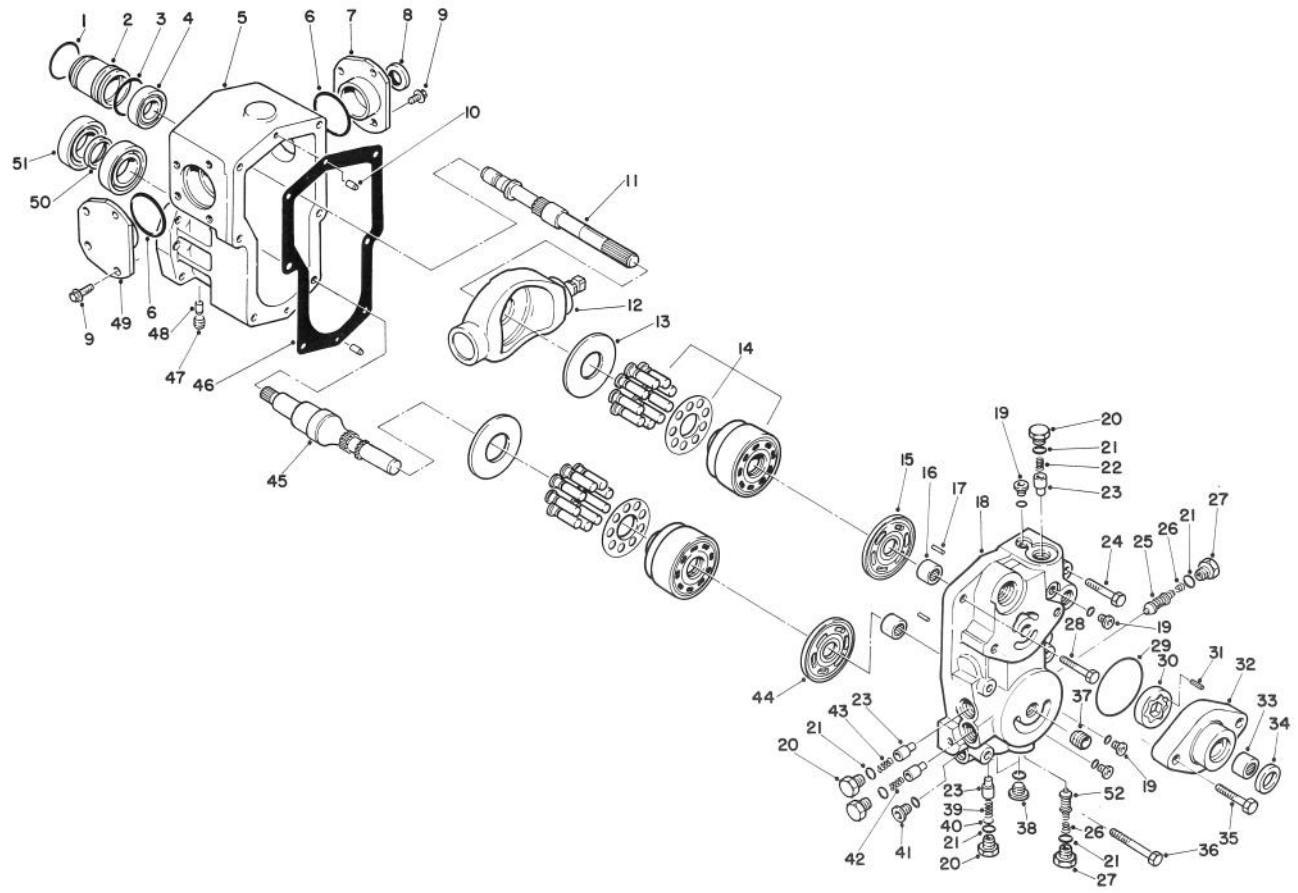
T-0421

BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27-6862	Shaft-Axle, Flanged L.H.	1
*	27-6852	Shaft-Axle, Flanged R.H.	1
2	21-8330	Seal-Oil	2
3	21-8180	Bearing	2
4	24-9180	Lever, Brake, Parking	2
5	21-9450	Shield-Dust	2
6	43-6810	Spider-Torque	2
7	21-9340	Spring-Shoe Return, R.H.	2
8	28-0670	Seal-Oil	2
9	43-2690	Shoe & Lining Assembly	4
10	21-9430	Retainer-Brake, Parking	4
11	242-34	Stud-Flange, Axle	10

Ref. No.	Part No.	Description	No. Used
12	21-8360	Clip-Retaining	2
13	28-0680	Drum-Brake	2
14	21-9440	Spring-Adjusting Screw	2
15	21-9390	Socket-Adjusting Screw	2
16	21-9370	Screw-Adjusting	2
17	21-9380	Nut-Pivot	2
18	43-6800	Nut-Lock	8
19	21-9420	Spring-Shoe Return, L.H.	2
20	21-8320	Gasket-Bearing, Wheel	2
21	28-0660	Screw-Cap, Hex Hd.	8
22	24-8840	Ring-Bearing, Wheel	2
*	43-2690	Pair of Lined Brake Shoes	2

*Not Illustrated



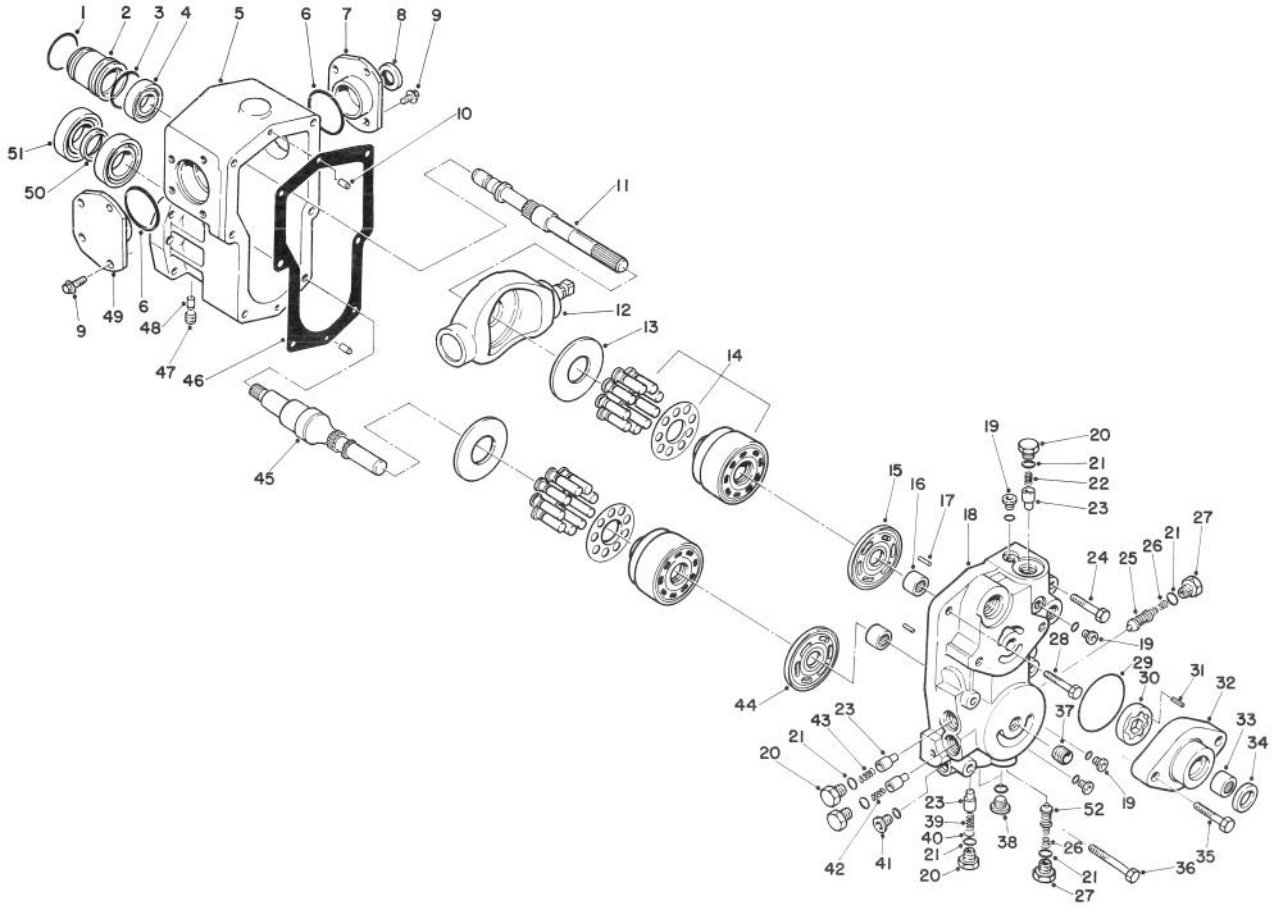
T-1006

TRANSMISSION ASSEMBLY NO. 75-0010

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	75-0080	Trunion	1
8	75-0230	Seal - Lip	1
9	75-0090	Screw - Cap Hex Hd.	8
10	75-0480	Pin	2
11	75-0420	Shaft - Pump	1
12	75-0390	Plate - Swash	1
13	75-0400	Plate - Thrust	2
14	75-0470	Cylinder Block Kit	2
15	75-0380	Plate - Valve	1
16	75-0500	Bearing - Needle	2
17	75-0510	Pin	2
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	75-0250	Spring	1
23	75-0260	Valve - Relief	4

Ref. No.	Part No.	Description	No. Used
24	75-0130	Screw - Cap Hex Hd.	3
25	75-0300	Valve - SCR	1
26	75-0140	Spring - Conical	1
27	75-0190	Plug - Special	2
28	75-0120	Screw - Cap Hex Hd.	1
29	75-0370	O-Ring	1
30	75-0360	Gerotor	1
31	75-0350	Pin	1
32	75-0050	Housing - Charge Pump	1
33	75-0340	Bearing - Needle	1
34	75-0330	Seal - Lip	1
35	75-0110	Screw - Cap Hex Hd.	2
36	75-0180	Screw - Cap Hex Hd.	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
43	75-0290	Spring	1
44	75-0490	Plate - Valve	1
45	75-0440	Shaft - Motor	1
46	75-0030	Gasket - Housing	1

*Not Illustrated



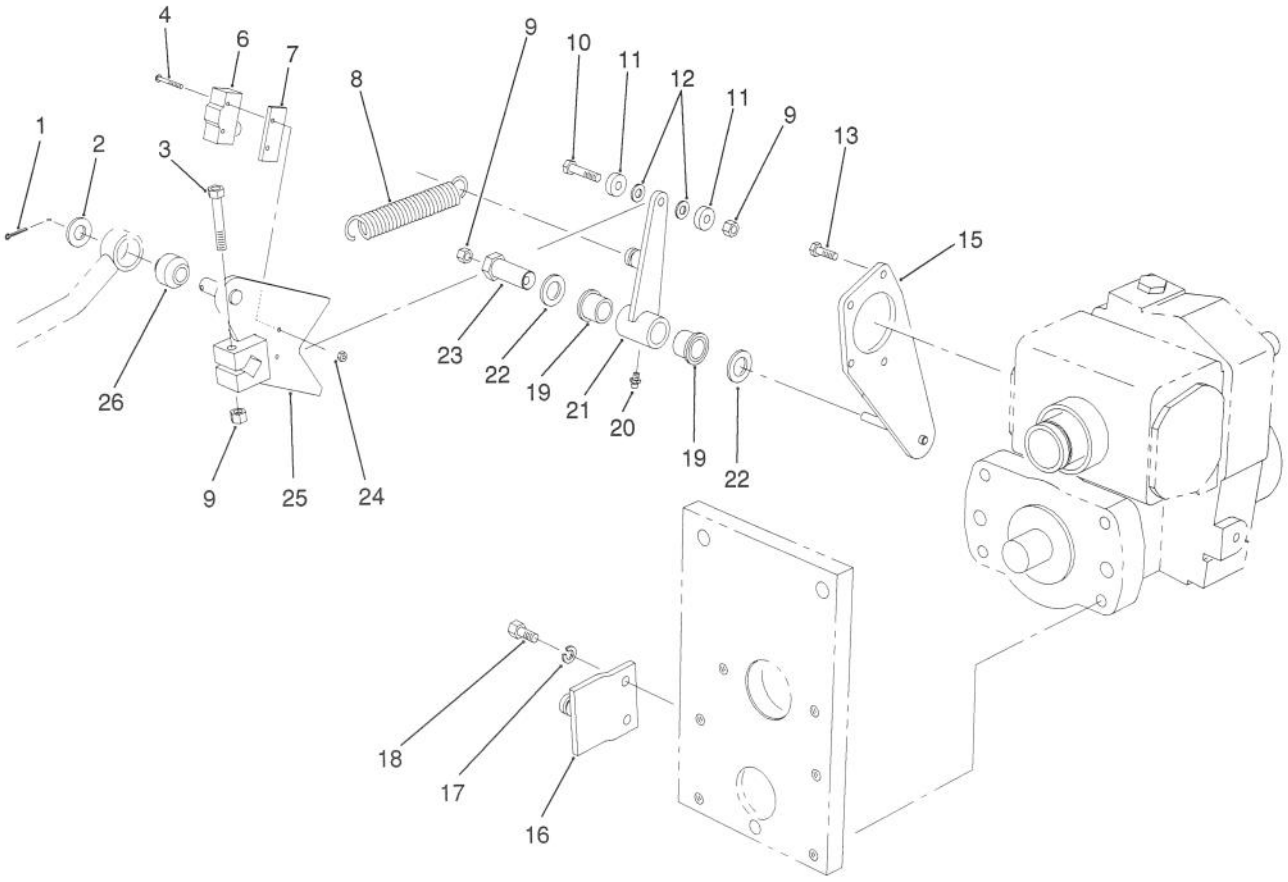
T-1006

TRANSMISSION ASSEMBLY NO. 75-0010 (Continued)

Ref. No.	Part No.	Description	No. Used
47	75-0160	Plug - Pipe	1
48	75-0220	Pin	2
49	75-0100	Trunion	1

Ref. No.	Part No.	Description	No. Used
50	75-0450	Collar	1
51	75-0460	Bearing - Ball	2
52	75-6930	Valve - SCR	1

*Not Illustrated

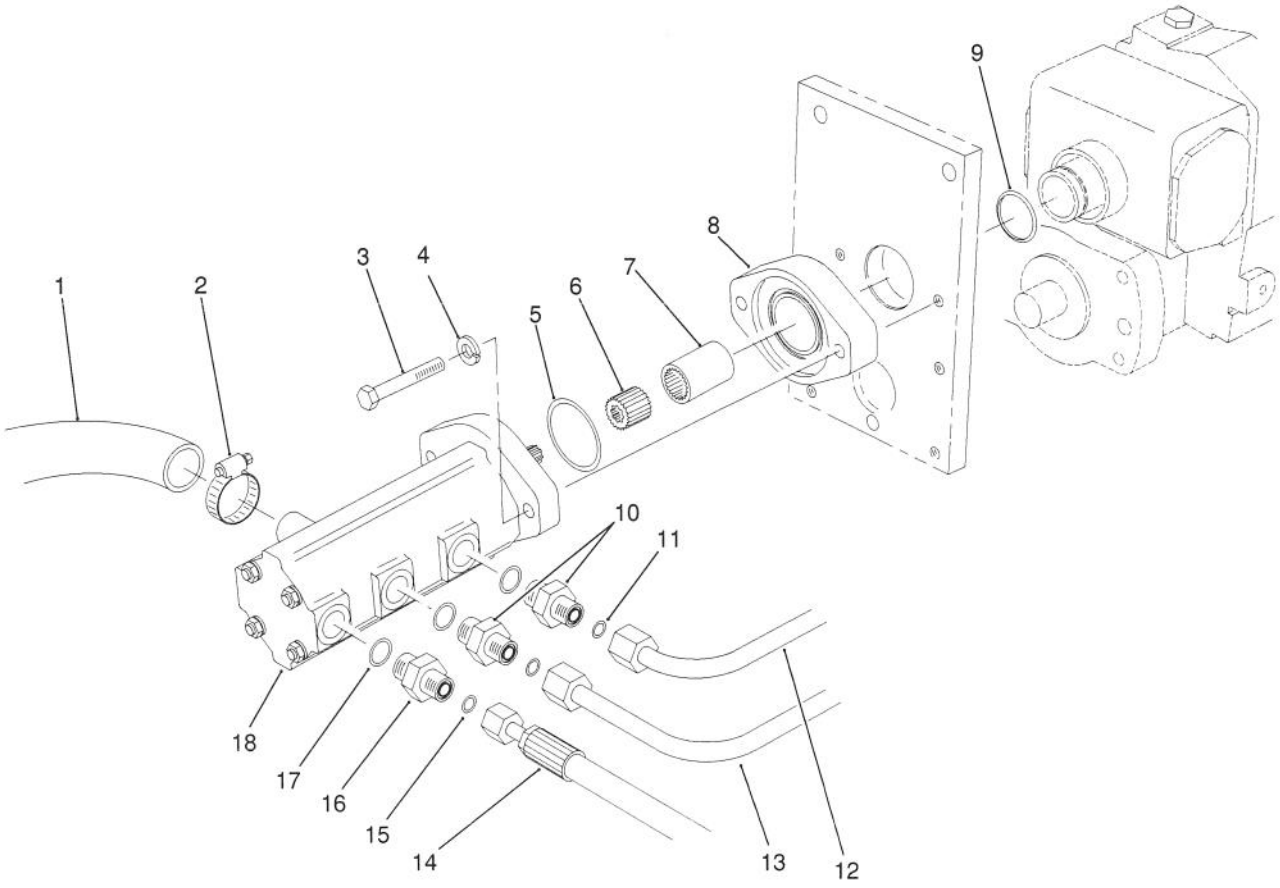


T-1051

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 - Cap Hex. Hd.	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	3
10	322-7	Screw - Cap Hex. Hd.	1
11	251-259	Bearing - Ball	2
12	75-5470	Spacer	2
13	32144-22	Screw - Cap Hex. Hd.	4
15	75-4080	Plate - Traction	1

Ref. No.	Part No.	Description	No. Used
16	75-4140	Bracket - Spring	1
17	3253-4	Washer - Lock	2
18	322-3	Screw - Cap Hex. Hd.	2
19	256-113	Bushing - Flange	2
20	302-5	Fitting - Grease	1
21	75-4090	Switch Arm Assembly (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

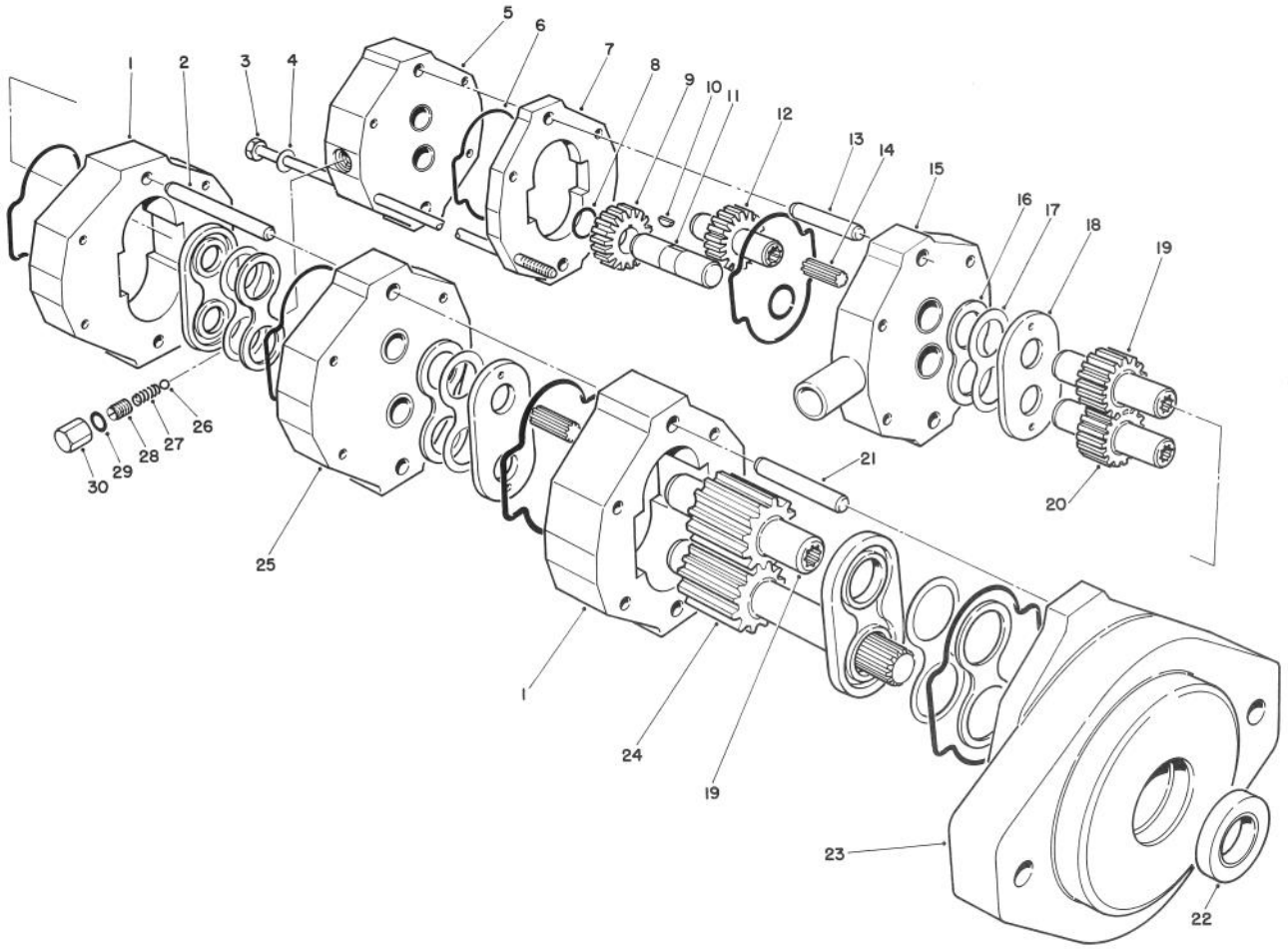


T-1052

GEAR PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75-6870	Hose - Suction	1
2	2412-34	Clamp - Hose	1
3	323-12	Screw - Cap Hex. Hd.	2
4	3253-5	Washer - Lock	2
5	237-162	Seal - O-Ring	1
6	75-2190	Sleeve - Pump	1
7	5-2430	Coupling - Transmission	1
8	75-4400	Adaptor - Transmission	1
9	237-163	Seal - O-Ring	1
10	340-4	Fitting - Hydraulic Straight (Incl. Ref. #11 & 17)	2

Ref. No.	Part No.	Description	No. Used
11	237-30	Seal - O-Ring	2
12	75-5240	Tube - Hydraulic	1
13	75-5250	Tube - Hydraulic	1
14	75-6240	Hose - Hydraulic	1
15	237-22	Seal - O-Ring	1
16	340-3	Fitting - Hydraulic Straight (Incl. Ref. #15 & 17)	1
17	237-79	Seal - O-Ring	3
18	75-0800	Gear Pump Assembly	1

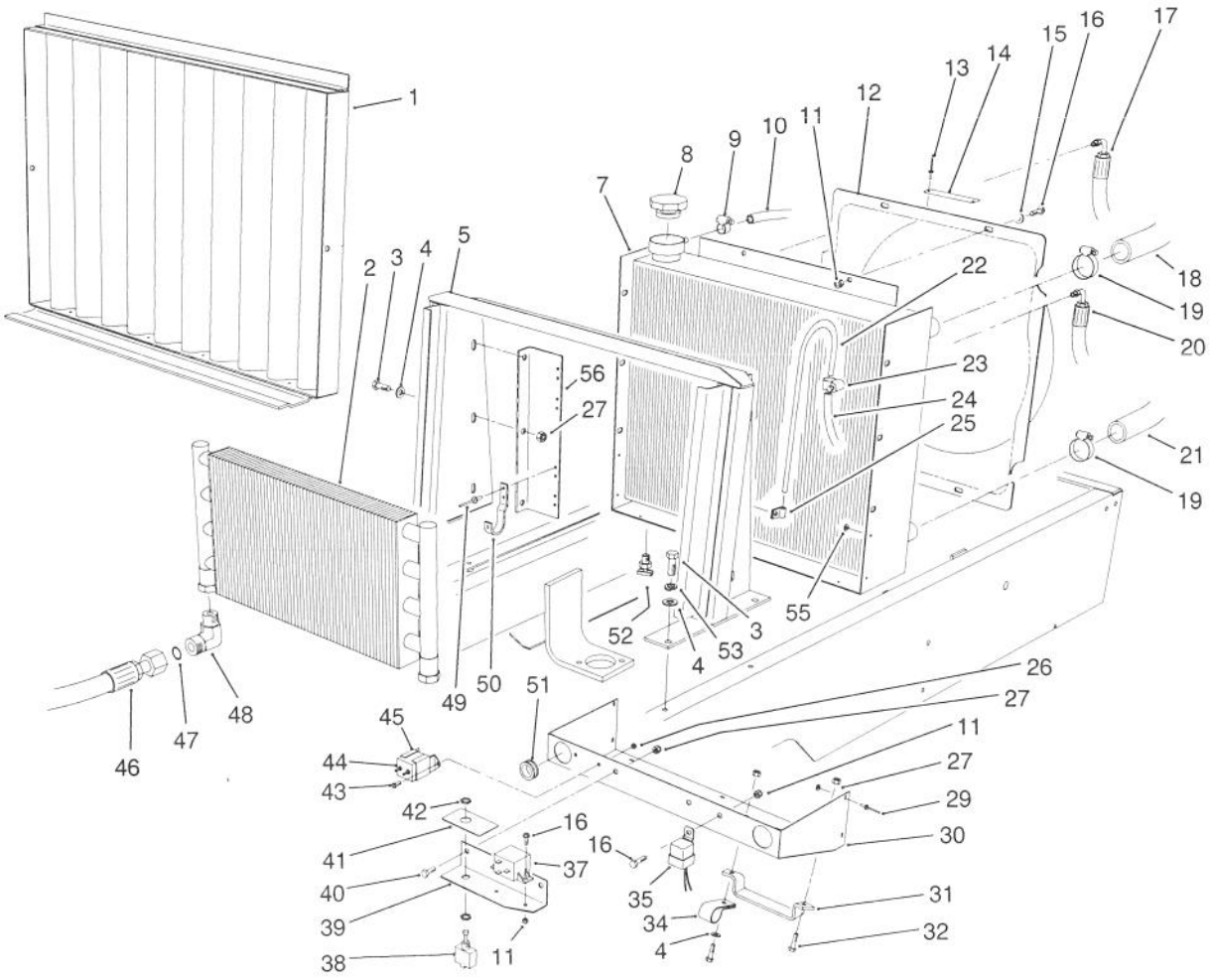


T-1029

HYDRAULIC PUMP NO. 75–0800

Ref. No.	Part No.	Description	No. Used
1	354–54	Plate – Gear	2
2	354–56	Pin – Dowel	2
3	354–64	Screw – Cap Hex. Hd.	4
4	354–16	Washer	4
5	354–63	Cover Assembly	1
6	353–922	Seal – Ring	6
7	354–60	Plate – Gear	1
8	353–886	Ring – Retaining	2
9	354–62	Gear	1
10	354–61	Key – Woodruff	1
11	354–59	Shaft – Drive	1
12	354–65	Idler Shaft Assembly	1
13	354–13	Pin– Dowel	2
14	354–5	Coupling	2
15	354–58	Plate Assembly	1
16	354–69	Seal – Load Hi Pressure	4

Ref. No.	Part No.	Description	No. Used
17	354–67	Seal – Pre-Load Hi Pressure	4
18	354–68	Plate – Load	4
19	354–66	Shaft – Idler	2
20	354–57	Gear – Drive	1
21	354–14	Pin – Dowel	2
22	354–15	Seal – Oil	1
23	354–53	Pump Body Assembly	1
24	354–52	Shaft – Drive	1
25	354–55	Plate Assembly (Incl. Ref. #26–30)	1
26	354–38	Ball – Valve	1
27	354–39	Spring – Compression	1
28	354–37	Adjuster – Valve	1
29	354–35	Gasket	1
30	354–36	Cap – Adjuster Valve	1

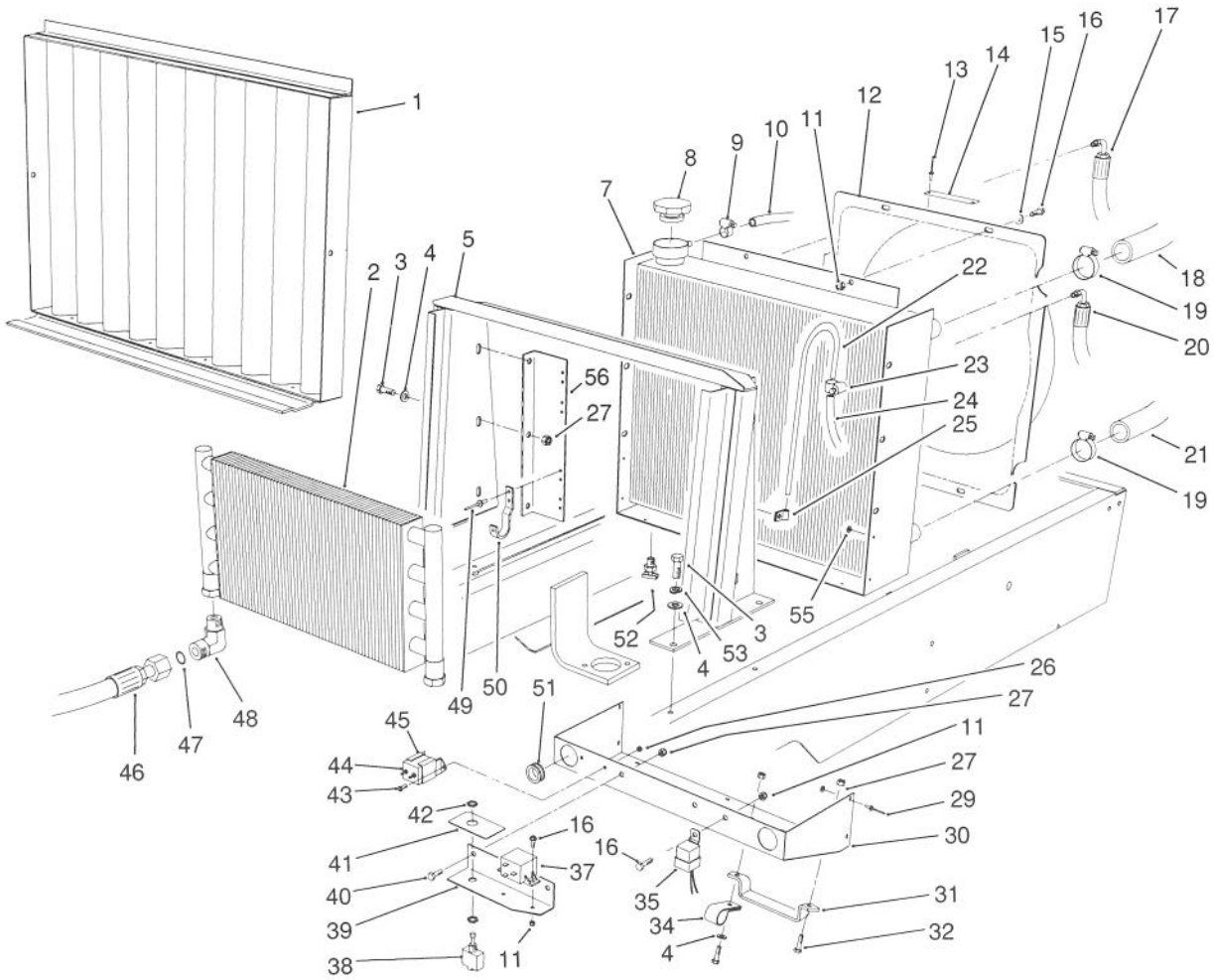


RADIATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75-4060	Screen - Radiator	1
2	75-1040	Cooler - Oil	1
3	322-5	Screw - Cap Hex. Hd.	10
4	3256-23	Washer - Flat	11
5	75-4260	Support - Radiator	1
7	75-6290	Radiator	1
8	66-3240	Cap - Radiator	1
9	2412-108	Clamp - Hose	1
10	75-2850	Hose - Expansion Tank	1
11	3296-42	Nut - Lock	7
12	75-4350	Shroud - Fan	1
13	3290-271	Rivet - Pop	2
14	76-8750	Plate - Caution	1
15	3256-22	Washer - Flat	4
16	321-4	Screw - Cap Hex. Hd.	7
17	75-6170	Hose - Hydraulic	1
18	75-2240	Hose - Radiator Upper	1
19	2412-3	Clamp - Hose	4
20	75-6150	Hose - Hydraulic	1
21	75-2260	Hose - Radiator Lower	1
22	66-3180	Tube - Vent	1
23	2412-74	Clamp - Hose	1
24	75-4701	Hose - Fuel Vent	1

Ref. No.	Part No.	Description	No. Used
25	2412-103	Clamp - R	1
26	32149-7	Nut - Lock	2
27	3296-29	Nut - Lock	10
29	3269-29	Rivet - Pop	7
30	75-4310	Shield - Radiator	1
31	75-2860	Bracket - Hose	1
32	322-4	Screw - Cap Hex. Hd.	2
34	2412-108	Clamp - R	1
35	63-7590	Relay - Starter	1
37	66-8800	Relay - Glow Plug	1
38	75-1020	Switch - Backlap (Incl. Ref. #42)	1
39	75-3390	Bracket - Backlap	1
40	322-2	Screw - Cap Hex. Hd.	2
41	75-0750	Decal - Backlap Switch	1
42	218-498	Nut - Lock	2
43	32105-8	Screw - Cap Hex. Hd.	2
44	67-4700	Resister - Glow	1
45	70-8560	Retainer - Glow Resister	1
46	75-6140	Hose - Hydraulic R.H.	1
*	75-6160	Hose - Hydraulic L.H.	1
47	237-65	Seal - O-Ring	2

*Not Illustrated

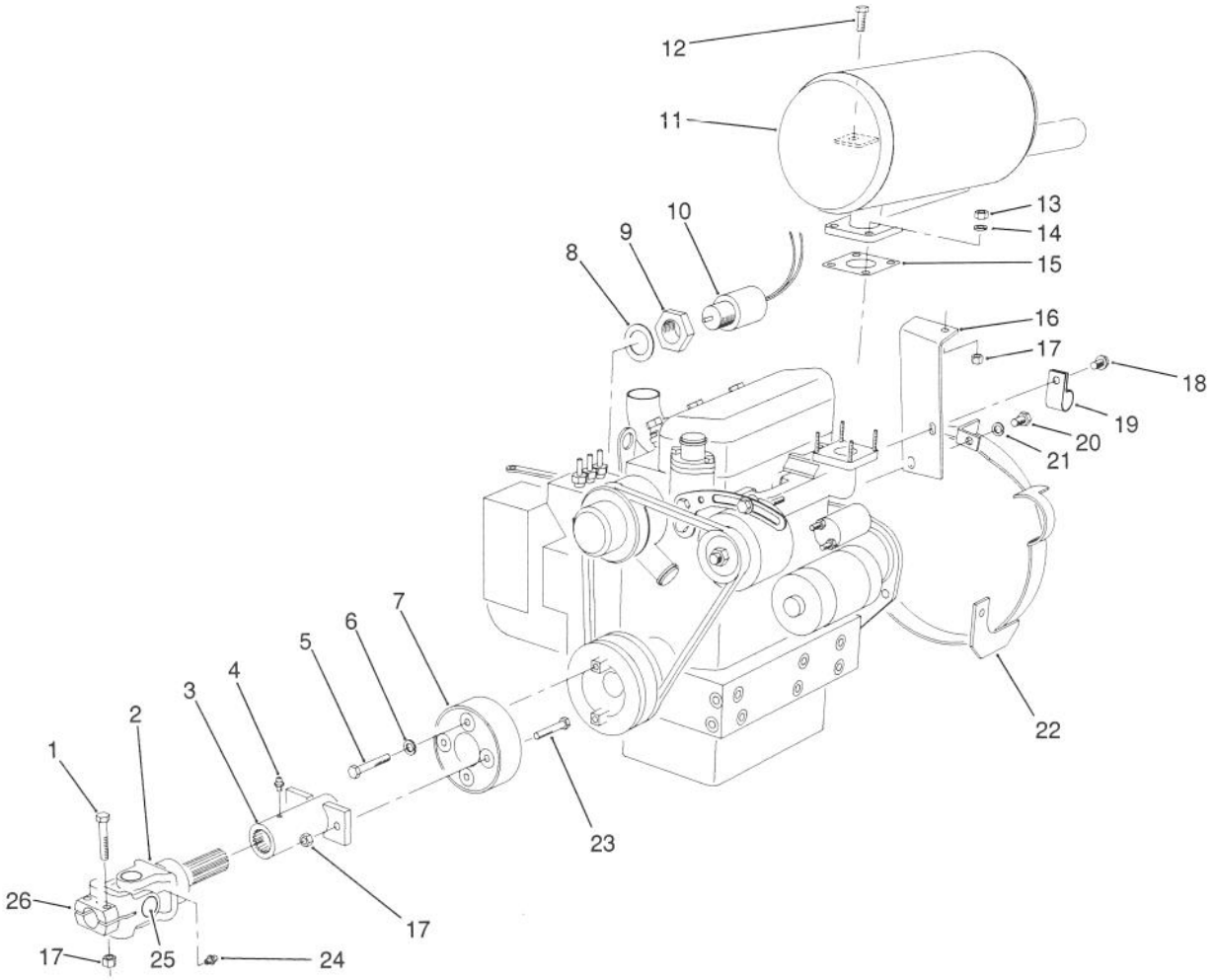


RADIATOR ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	340-108	Fitting - Hydraulic 90° (Incl. Ref. #47)	2
49	3269-15	Rivet - Pop	8
50	75-0930	Hook - Oil Cooler	4
51	240-3	Grommet	2

Ref. No.	Part No.	Description	No. Used
52	304-46	Drain - Radiator	1
53	3253-4	Washer - Lock	4
55	3256-13	Washer - Flat	7
56	75-5160	Plate - Support	2
*	3290-378	Tie - Cable	1

*Not Illustrated



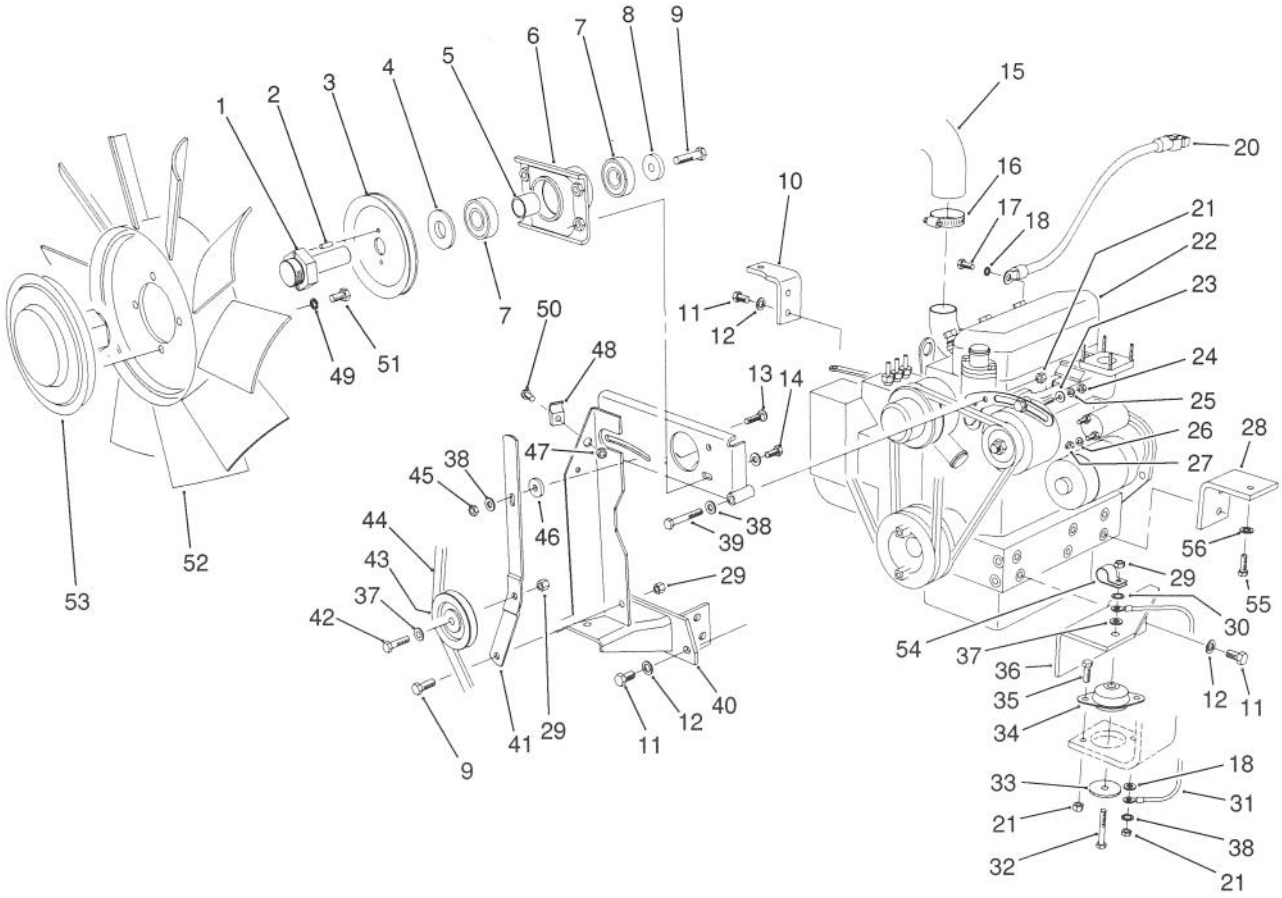
T-1054

MUFFLER & PUMP DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322-9	Screw - Cap Hex. Hd.	2
2	54-9040	Yoke - End	1
3	75-6420	Yoke - Slip Tube	1
4	62-3880	Fitting - Grease	1
5	43-3220	Screw - Cap Hex. Hd.	2
6	48-9570	Washer - Lock	2
7	75-4630	Coupling - Driveshaft	1
8	43-2740	Gasket	1
9	43-2750	Nut - Lock	1
10	63-7440	Solenoid - Stop	1
11	75-1070	Muffler	1
*	75-6880	Screen - Spark Arrester (Optional)	1
12	322-4	Screw - Cap Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
13	48-7930	Nut - Lock	4
14	42-9850	Washer - Lock	4
15	53-8130	Gasket - Muffler	1
16	75-4490	Bracket - Muffler	1
17	3296-29	Nut - Lock	5
18	67-2340	Screw - Hex. Washer Hd.	1
19	2412-81	Clamp - R	1
20	43-0090	Screw - Cap Hex. Hd.	3
21	48-9590	Washer - Lock	1
22	75-0940	Guard - Flywheel	1
23	322-12	Screw - Cap Hex. Hd.	2
24	62-3820	Fitting - Grease	1
25	54-9180	Kit - U-Joint	1
26	75-6410	Yoke - Shaft	1

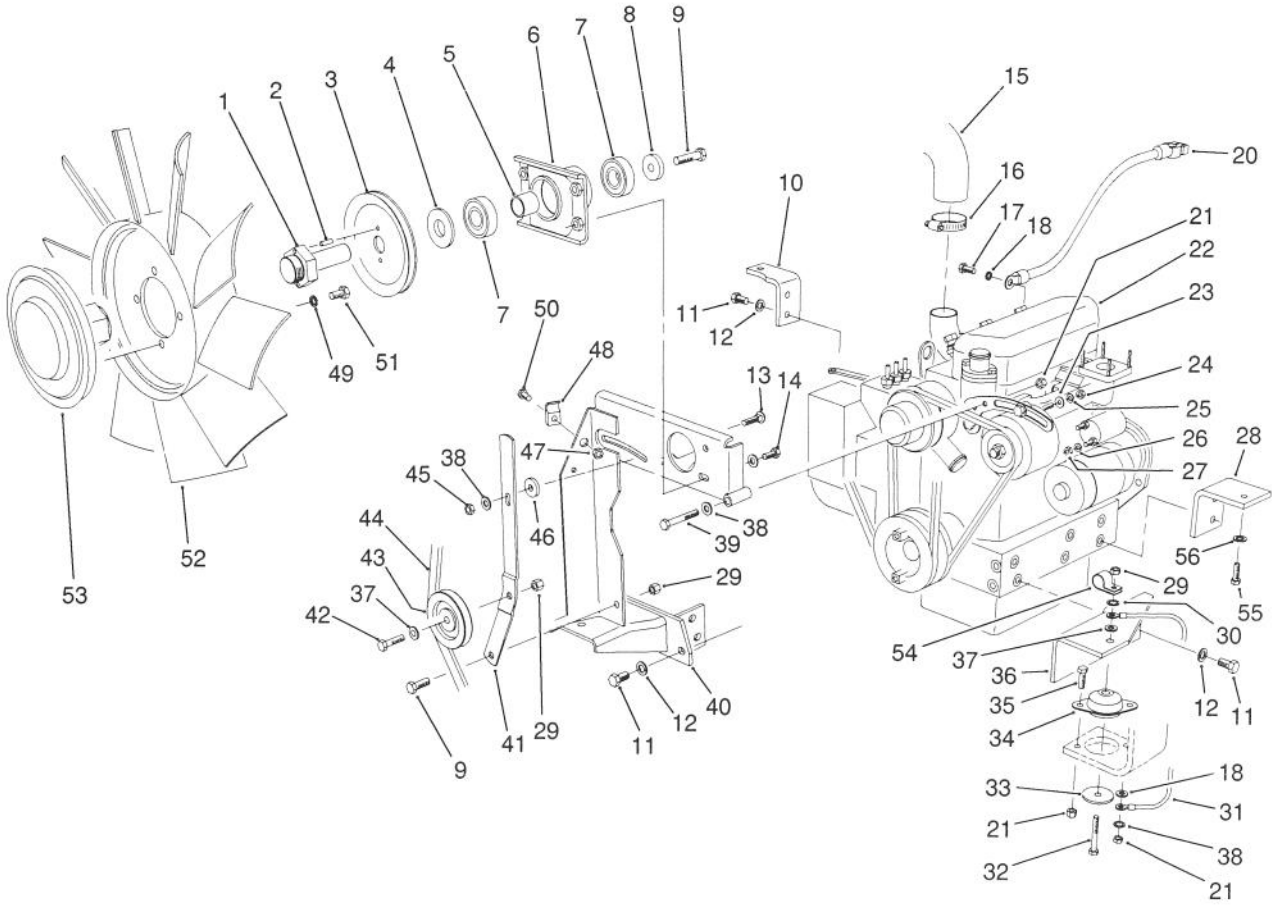
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ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75-6380	Shaft - Fan	1
2	32121-2	Pin - Roll	2
3	75-6390	Pulley - Fan	1
4	47-0110	Spacer - Spindle	1
5	75-5310	Spacer - Bearing	1
6	75-4450	Hub - Fan Drive	1
7	251-318	Bearing - Ball	2
8	67-1630	Spacer - Fan	1
9	323-6	Screw - Cap Hex. Hd.	2
10	71-2910	Bracket - Engine R.H. Rear	1
11	63-7790	Screw - Cap Hex. Hd.	8
12	48-9590	Washer - Lock	10
13	3230-2	Bolt - Carriage	1
14	322-3	Screw - Cap Hex. Hd.	4
15	75-2460	Hose - Air Cleaner	1
16	2412-92	Clamp - Hose	1
17	48-7700	Screw - Cap Hex. Hd.	1
18	3255-8	Washer - Lock	2
20	75-1360	Cable - Battery (Ground)	1
21	3296-29	Nut - Lock	9
22	75-0900	Engine Assembly	1
23	5-3637	Washer - Flat	1
24	43-5970	Nut - Hex.	1

Ref. No.	Part No.	Description	No. Used
25	43-5920	Washer - Lock	1
26	42-9850	Washer - Lock	2
27	57-6390	Nut - Lock	2
28	75-2830	Bracket - Engine L.H. Rear	1
29	3296-39	Nut - Lock	5
30	3255-9	Washer - Lock E.T.L.W.	1
31	70-8220	Cable - Ground	1
32	323-11	Screw - Cap Hex. Hd.	3
33	63-7400	Washer - Flat	4
34	63-7140	Mount - Engine	4
35	322-5	Screw - Cap Hex. Hd.	8
36	66-2320	Bracket - Engine L.H. Front	1
37	3256-24	Washer - Flat	4
38	3256-23	Washer - Flat	5
39	322-11	Screw - Cap Hex. Hd.	1
40	75-4220	Bracket - Fan	1
41	63-6720	Bracket - Fan Idler	1
42	323-8	Screw - Cap Hex. Hd.	1
43	63-8140	Pulley - Idler	1
44	75-1380	Belt - V	1
45	32149-1	Nut - Lock	1
46	27-9560	Spacer	1
47	3296-42	Nut - Lock	1

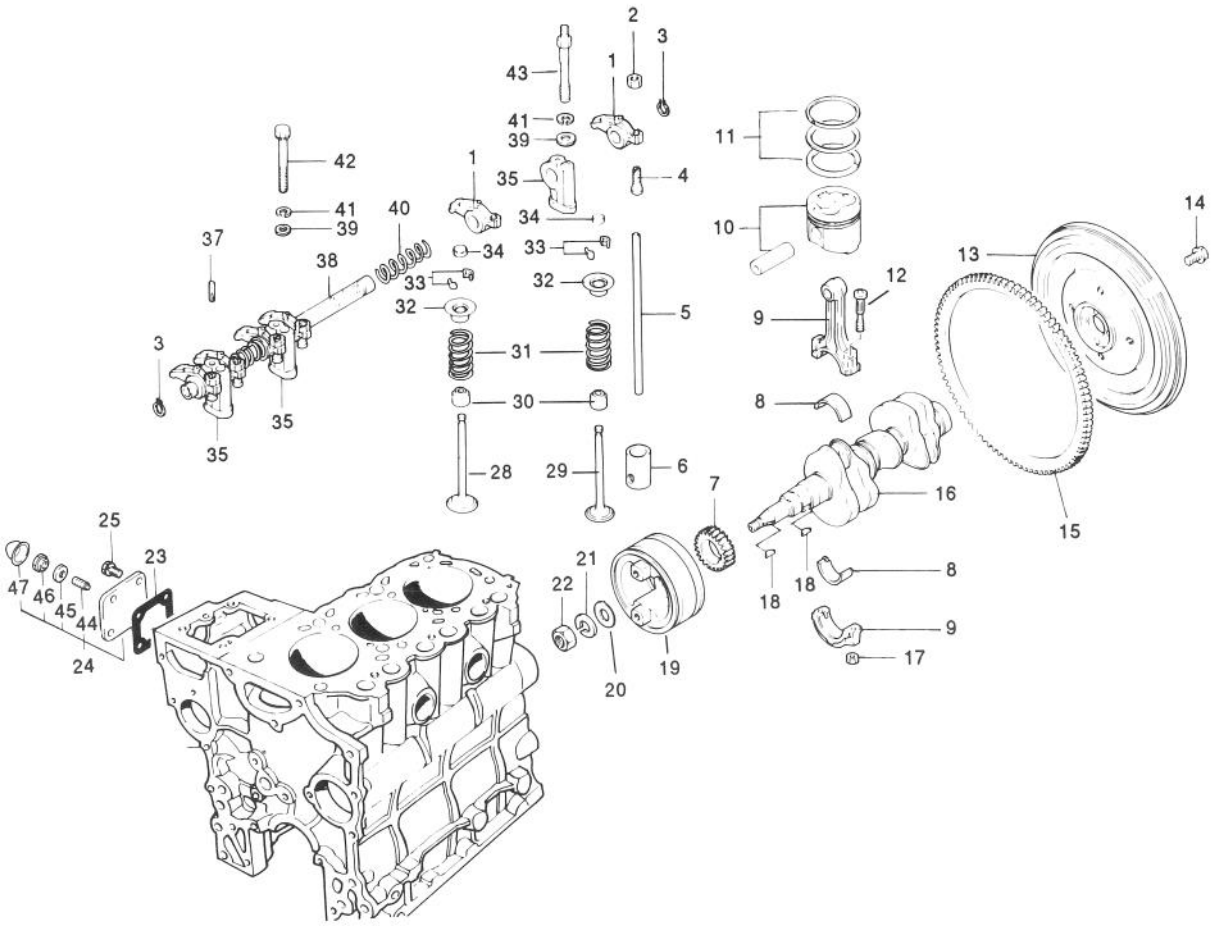


T-1055

ENGINE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	3-6657	Clamp - Cable	1
49	3253-4	Washer - Lock	4
50	321-4	Screw - Cap Hex. Hd.	1
51	322-2	Screw - Cap Hex. Hd.	4
52	75-3780	Fan	1

Ref. No.	Part No.	Description	No. Used
53	74-5520	Clutch - Fan	1
54	2412-126	Clamp - R	1
55	323-9	Screw - Cap Hex. Hd.	1
56	3253-21	Washer - Lock	1



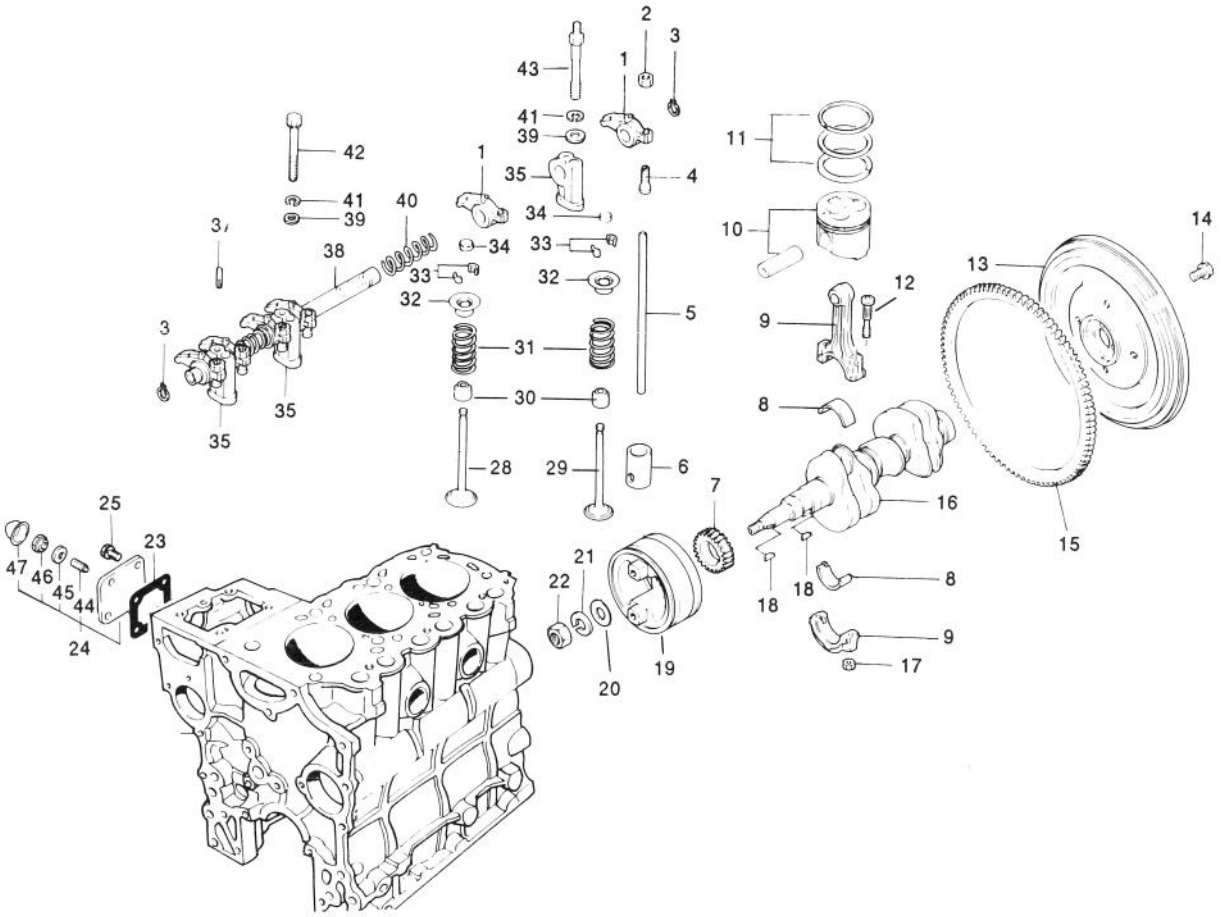
T-0565

VALVES AND CRANKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-3160	Arm-Rocker	6
2	67-3230	Nut - Jam	6
3	67-3240	Snap Ring	2
4	67-3210	Screw - Adjusting	6
5	67-3150	Rod-Push	6
6	67-3120	Tappet	6
7	67-2910	Gear	1
8	75-5010	Bearing Set STD	3
*	67-2890	Bearing Set 0.25 mm US	3
*	67-2900	Bearing Set 0.50 mm US	3
9	67-2850	Rod Assembly-Connecting (Incl. Ref. #12 & 17)	3
10	75-5080	Piston & Pin Set STD	3
*	75-5090	Piston & Pin Set 0.25 mm OS	3
*	75-5100	Piston & Pin Set 0.50 mm OS	3
11	75-5050	Ring Set STD	3
*	75-5060	Ring Set 0.25 mm OS	3
*	75-5070	Ring Set 0.50 mm OS	3
12	67-2860	Bolt	6
13	67-2970	Flywheel Assembly (Incl. Ref. #14)	1

Ref. No.	Part No.	Description	No. Used
14	67-2990	Bolt	4
15	67-2980	Gear - Ring	1
16	67-2920	Crankshaft	1
17	42-9590	Nut	6
18	56-0480	Key - Woodruff	2
19	67-2930	Pulley - Crankshaft	1
20	67-2950	Washer	1
21	67-2960	Washer - Lock	1
22	67-2940	Nut - Jam	1
23	67-4310	Gasket	1
24	75-5110	Cover Assy. (Incl. Ref. #44-47)	1
25	42-9440	Bolt W/Washer	4
28	67-3130	Valve - Intake	3
29	67-3140	Valve - Exhaust	3
30	42-7870	Seal	6
31	67-3110	Spring	6
32	67-3100	Retainer	6
33	42-7860	Lock	12
34	67-3180	Cap	6
35	67-3200	Stay - Rocker	3
37	67-3220	Pin	1
38	67-3190	Rocker Shaft Assembly	1

*Not Illustrated

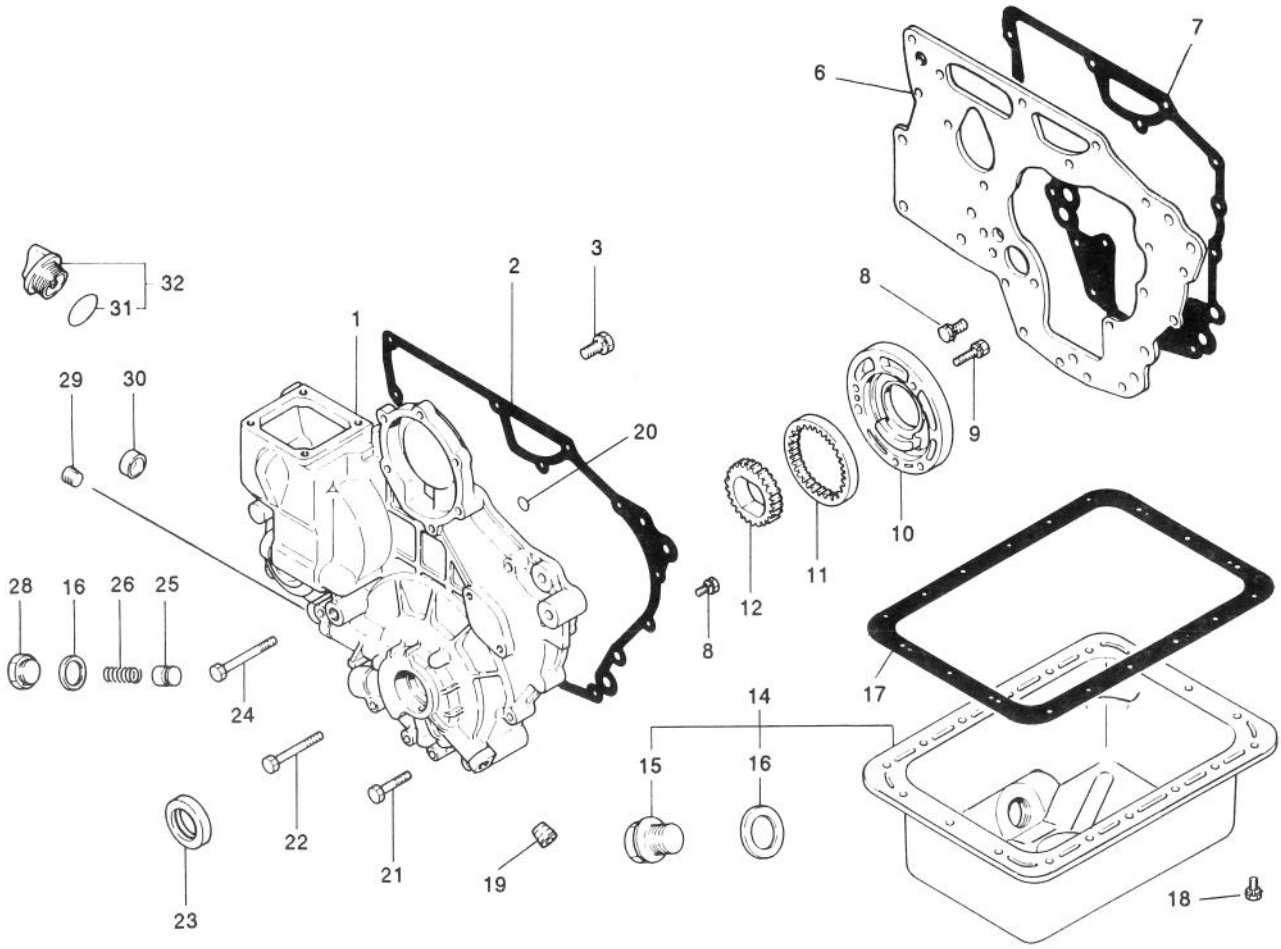


T-0565

VALVES AND CRANKSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
39	42-9660	Washer	3
40	67-3170	Spring	2
41	67-3260	Washer	3
42	42-9510	Bolt	1
43	67-3250	Bolt-Rocker Stay	2

Ref. No.	Part No.	Description	No. Used
44	43-3160	Screw - Adjusting	1
45	75-5120	Gasket	1
46	43-5960	Nut - Special	1
47	43-2820	Cap - Sealing	1



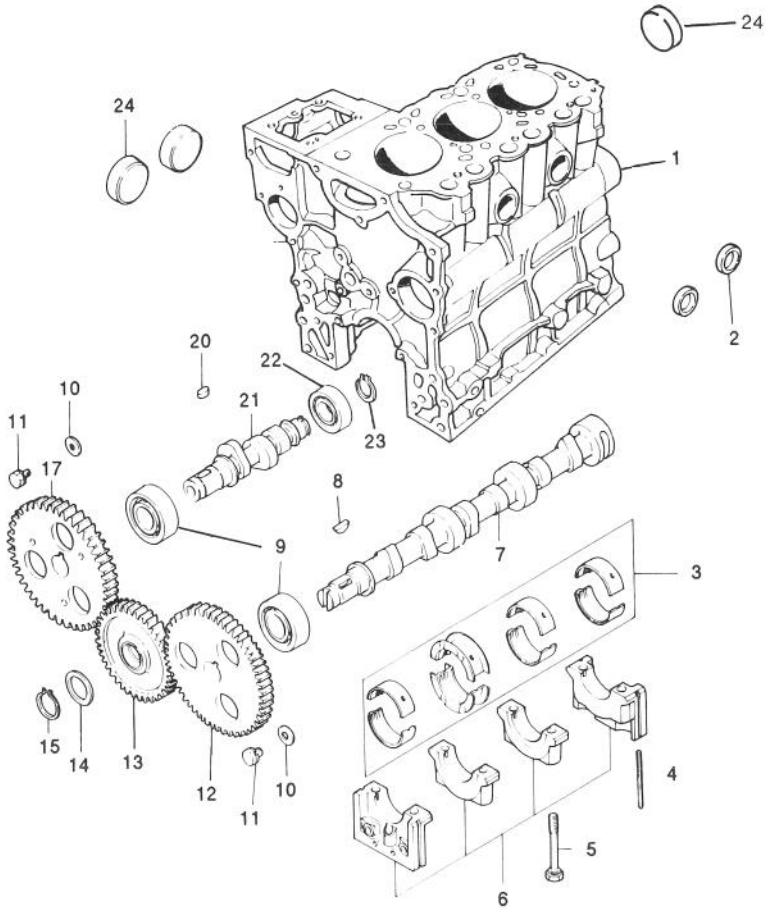
T-0567

CRANKCASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75-4920	Case	1
2	67-2580	Gasket - Case	1
3	67-2340	Bolt W/Washer	3
6	67-2310	Plate - Front	1
7	67-2320	Gasket - Plate	1
8	42-9440	Bolt W/Washer	11
9	67-2560	Bolt W/Washer	3
10	67-2550	Housing - Oil Pump	1
11	67-2540	Gear - Outer	1
12	67-2530	Gear - Inner	1
14	75-4910	Oil Pan Assembly (Incl. Ref. #15-16)	1
15	42-9260	Plug - Drain	1
16	42-7290	Gasket - Drain	2
17	67-2480	Gasket - Oil Pan	1
18	42-9490	Bolt W/Washer	18

Ref. No.	Part No.	Description	No. Used
19	42-7210	Plug-Taper	1
20	67-2630	Seal - O-Ring	2
21	67-2600	Bolt	3
22	67-2610	Bolt	4
23	67-2590	Seal - Oil	1
24	67-2620	Bolt	1
25	67-2500	Plunger - Relief	1
26	67-2510	Spring - Relief	1
28	67-2520	Plug	1
29	67-2570	Plug - Taper	1
30	67-2640	Cap	1
31	67-2660	Seal - O-Ring	1
32	67-2650	Oil Fill Cap Assembly (Incl. Ref. #31)	1
*	75-5040	Gasket Kit (Incl. Ref. #2, 7, 16 &17)	1

*Not Illustrated



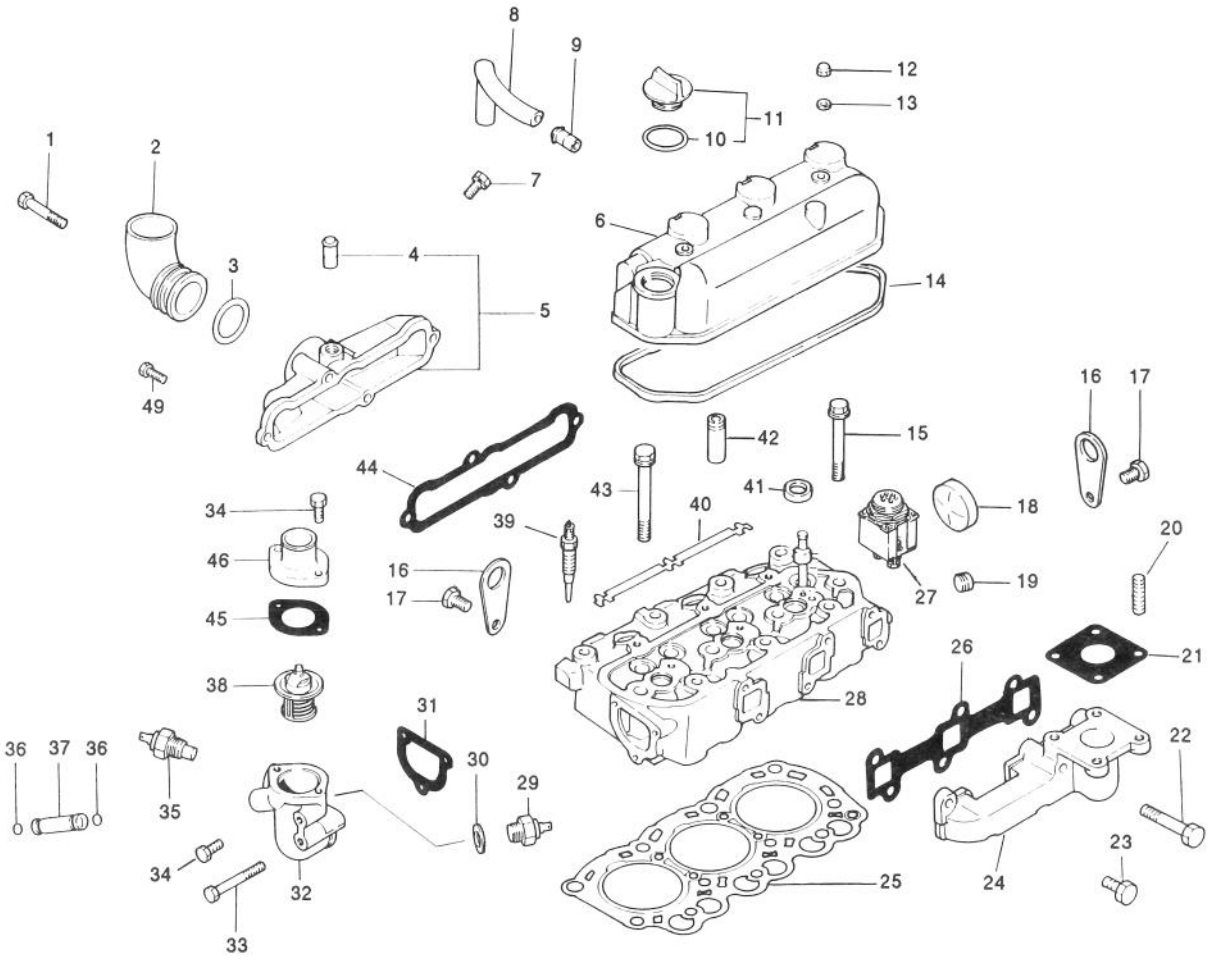
T-0564

CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75-4960	Block Assembly (Incl. Ref. #2, 5, 6 & 24)	1
2	42-7080	Cap	2
3	75-4900	Bearing Set STD	1
*	67-2410	Bearing Set 0.25 mm US	1
*	67-2420	Bearing Set 0.50 mm US	1
4	67-2200	Seal	4
5	67-2250	Bolt	8
6		Gap Assembly	1
7	67-3010	Cam Shaft	1
8	56-0480	Key - Woodruff	1
9	67-3030	Bearing	2

Ref. No.	Part No.	Description	No. Used
10	67-3000	Washer	2
11	42-9490	Bolt W/Washer	2
12	67-3020	Gear	1
13	67-3090	Gear Assembly	1
14	67-3040	Plate	1
15	56-1060	Snap Ring	1
17	67-3070	Gear	1
20	42-7840	Key	1
21	67-3060	Shaft	1
22	67-3050	Bearing	1
23	67-3080	Snap Ring	1
24	56-0020	Plug	3

*Not Illustrated

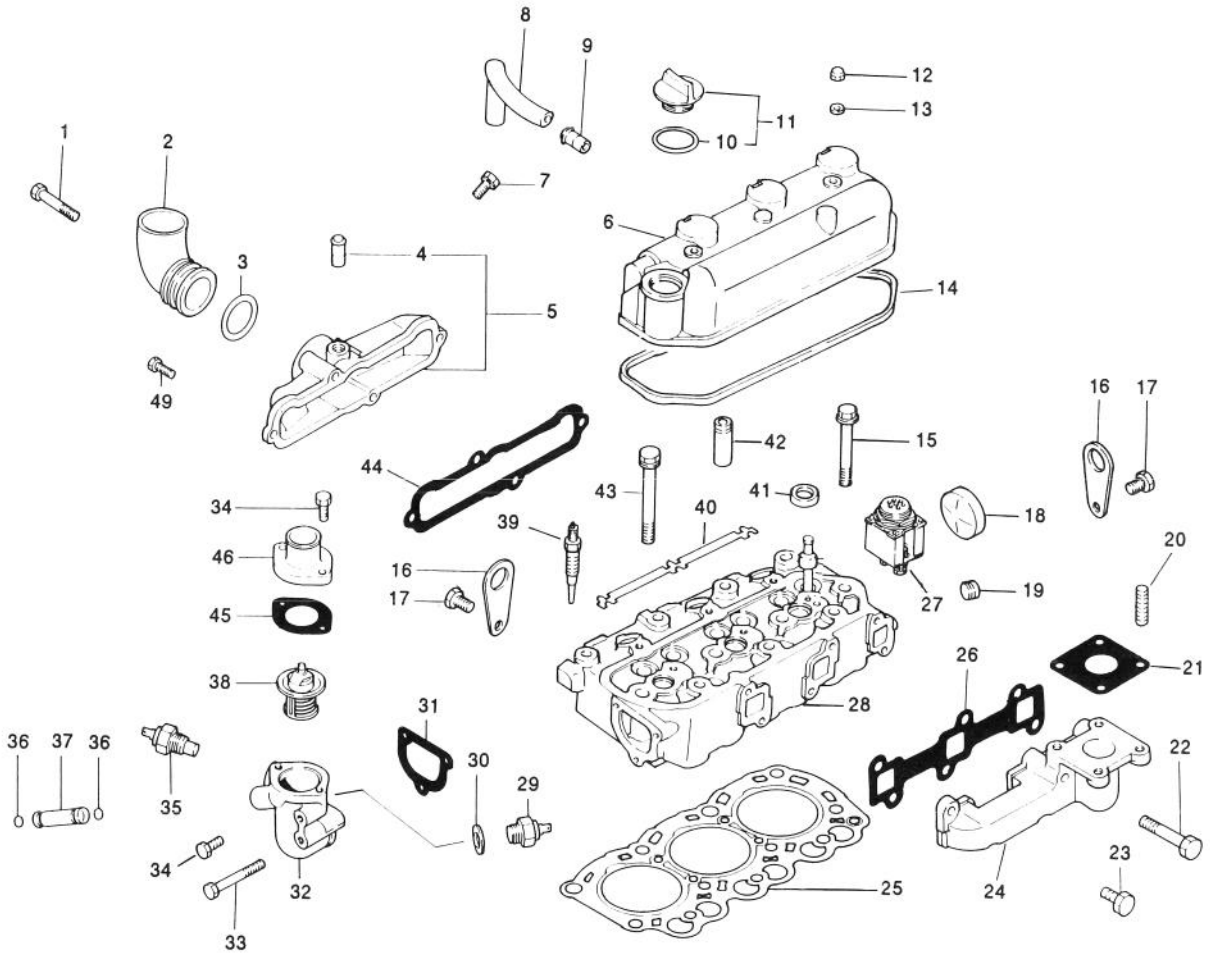


T-0566

CYLINDER HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-4400	Bolt	2
2	67-4520	Pipe	1
3	67-4540	Seal - O-Ring	1
4	42-7510	Pipe	1
5	67-4530	Cover - Intake	1
6	67-2750	Cover Assembly (Incl. Ref. #9)	1
7	42-9430	Bolt W/Washer	1
8	67-2670	Hose - Breather	1
9	42-7510	Pipe	1
10	67-2660	Seal - O-Ring	1
11	67-2650	Cap - Oil Filler	1
12	67-2770	Nut - Cap	2
13	67-2780	Washer	2
14	67-2760	Gasket	1
15	67-2740	Bolt - Flange	3
16	67-2680	Hanger -Engine	2
17	67-2340	Bolt W/Washer	4
18	56-0020	Plug - Expansion	1
19	67-2570	Plug - Taper	1
20	42-9570	Stud	4
21	42-9110	Gasket	1
22	67-4580	Bolt	2

Ref. No.	Part No.	Description	No. Used
23	67-4590	Bolt	4
24	67-4560	Manifold - Exhaust	1
25	75-4950	Gasket - Cylinder Head	1
26	67-4570	Gasket - Exhaust Manifold	1
27	67-4700	Lamp - Glow	1
28	75-4930	Cylinder Head Assembly (Incl. Ref. #18, 41 & 42)	1
29	67-4500	Switch - Thermo	1
30	67-4490	Gasket	1
31	67-4460	Gasket - Switch	1
32	67-4450	Fitting - Thermostat	1
33	67-4470	Bolt	1
34	67-2330	Bolt	4
35	67-4510	Gauge Nut - Temperature	1
36	43-2710	Seal - O-Ring	2
37	67-4480	Pipe - By-Pass	1
38	67-4440	Thermostat	1
39	67-4680	Plug - Glow	3
40	67-4690	Plate - Glow Plug	1
41	67-2710	Cap - Sealing	3
42	67-2700	Guide - Valve	6
43	67-2730	Bolt	8
44	67-4550	Gasket-Intake Manifold	1

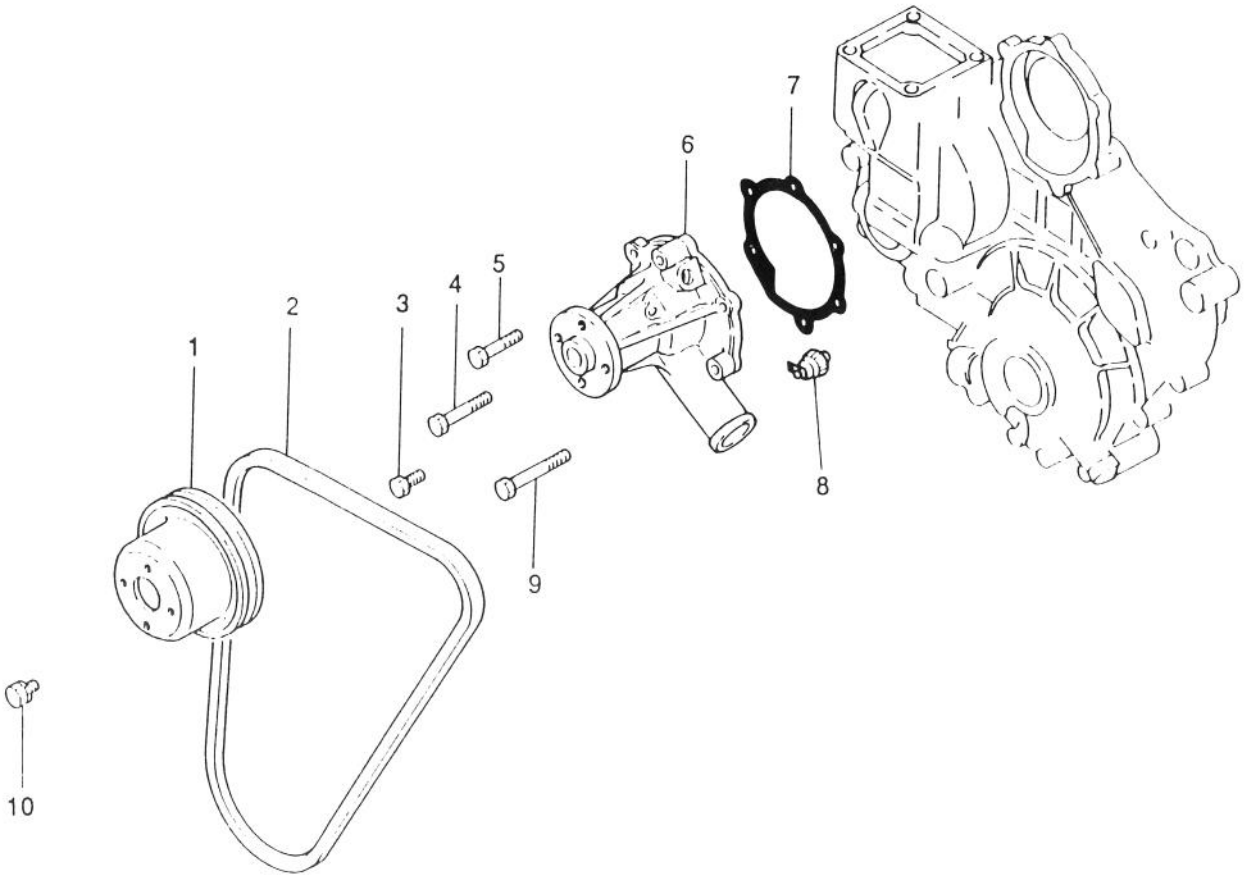


T-0566

CYLINDER HEAD ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
45	67-4430	Gasket - Fitting	1
46	67-4420	Fitting - Water	1

Ref. No.	Part No.	Description	No. Used
49	67-2330	Bolt	2

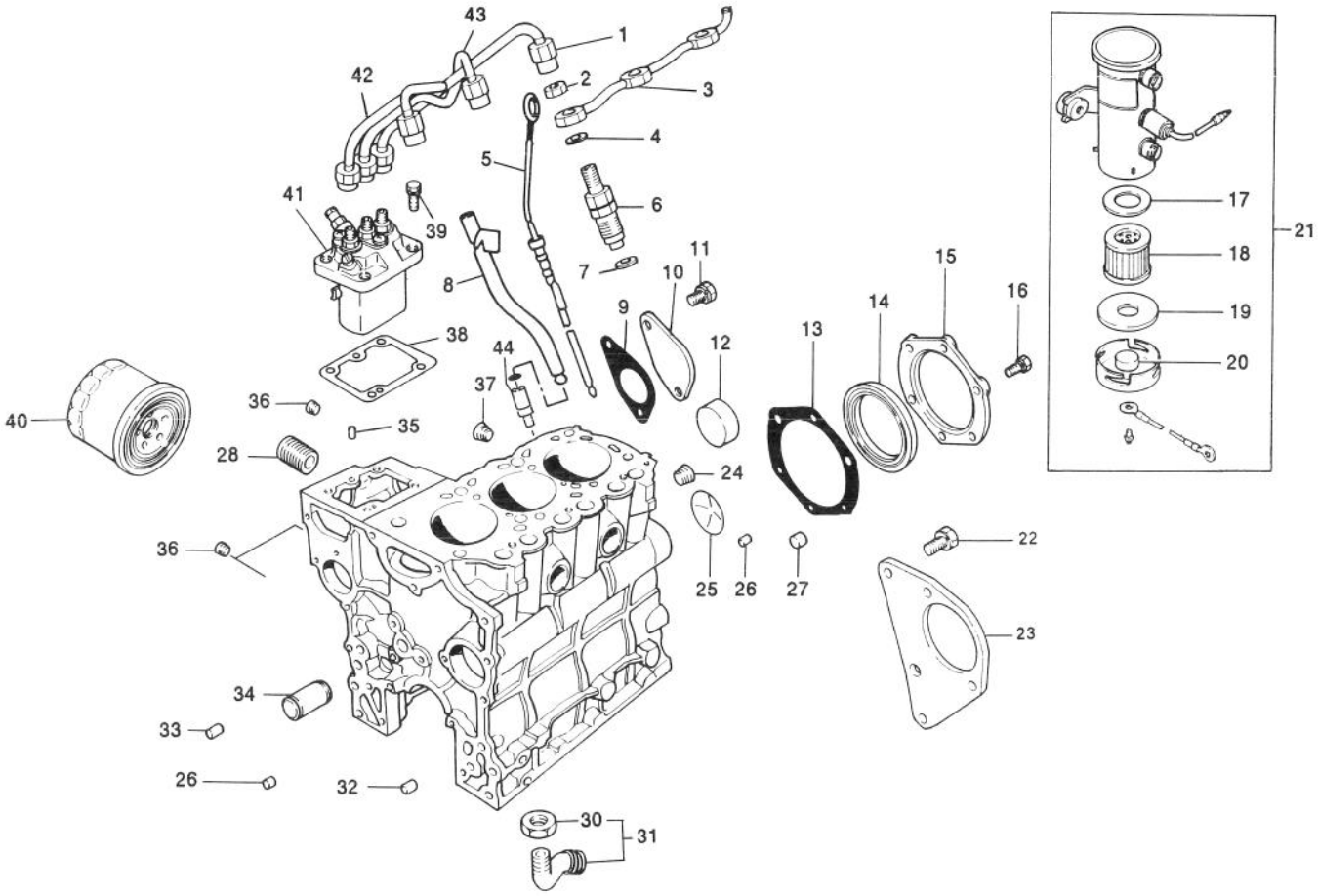


T-0568

WATER PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-4360	Pulley - Water Pump	1
2	67-4410	V-Belt	1
3	67-2330	Bolt	2
4	67-4400	Bolt	1
5	67-2600	Bolt	1

Ref. No.	Part No.	Description	No. Used
6	67-4380	Water Pump Assembly	1
7	67-4390	Gasket - Water Pump	1
8	67-4350	Switch - Oil Pressure	1
9	67-2610	Bolt	2
10	42-9490	Bolt W/Washer	4



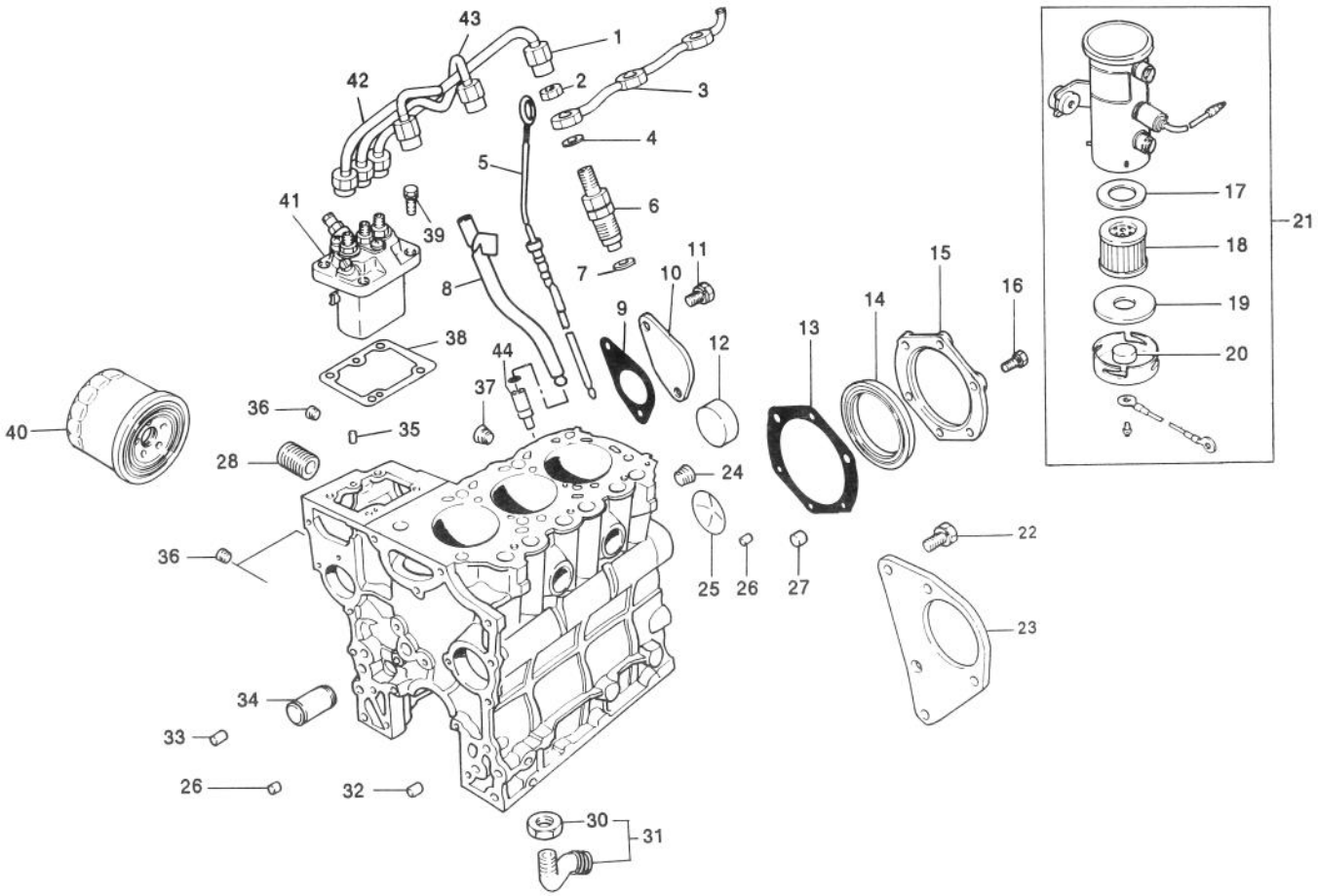
T-0569

FUEL SUPPLY & ENGINE BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-3420	Pipe Assy. No. 3	1
2	67-3430	Nut	3
3	70-8700	Pipe - Fuel Return	1
4	67-3440	Gasket	3
5	70-8880	Dipstick	1
6	67-3380	Nozzle & Holder Assembly	1
7	67-3390	Gasket - Nozzle Holder	3
8	70-8870	Guide - Oil Level	1
9	67-2300	Gasket	1
10	67-2290	Cover	1
11	67-2340	Bolt W/Washer	2
12	56-0020	Plug-Expansion	3
13	67-2280	Gasket-Seal, Oil	1
14	67-2230	Seal-Oil	1
15	67-2270	Case - Oil Seal	1
16	67-2330	Bolt	6
17	43-2570	Gasket-Coil Side	1
18	43-2550	Filter	1
19	43-2560	Gasket - Side Cover	1
20	43-2580	Magnet	1
21	53-8150	Pump Assembly (Incl. Ref. #17-20)	1

Ref. No.	Part No.	Description	No. Used
22	67-2440	Bolt W/Washer	3
23	67-2430	Bracket - Starter	1
24	67-2390	Plug - Taper	1
25	67-2350	Plug - Expansion	1
26	67-2360	Bushing - Knock	2
27	67-2380	Bushing - Knock	3
28	56-1230	Shaft - Oil Filter	1
30	42-9650	Nut - Jam	1
31	67-4340	Screen Assembly (Incl. Ref. #30)	1
32	67-2370	Bushing - Knock	1
33	42-7190	Bushing - Knock	2
34	67-2260	Shaft-Idler	1
35	56-0220	Pin - Dowel	2
36	67-2210	Plug - Taper	3
37	56-0100	Plug - Taper	1
38	67-3280	Shim 0.2 mm	1
*	67-3290	Shim 0.3 mm	1
*	67-3300	Shim 0.5 mm	1
*	67-3310	Shim 0.4 mm	1
*	67-3320	Shim 0.6 mm	1

*Not Illustrated



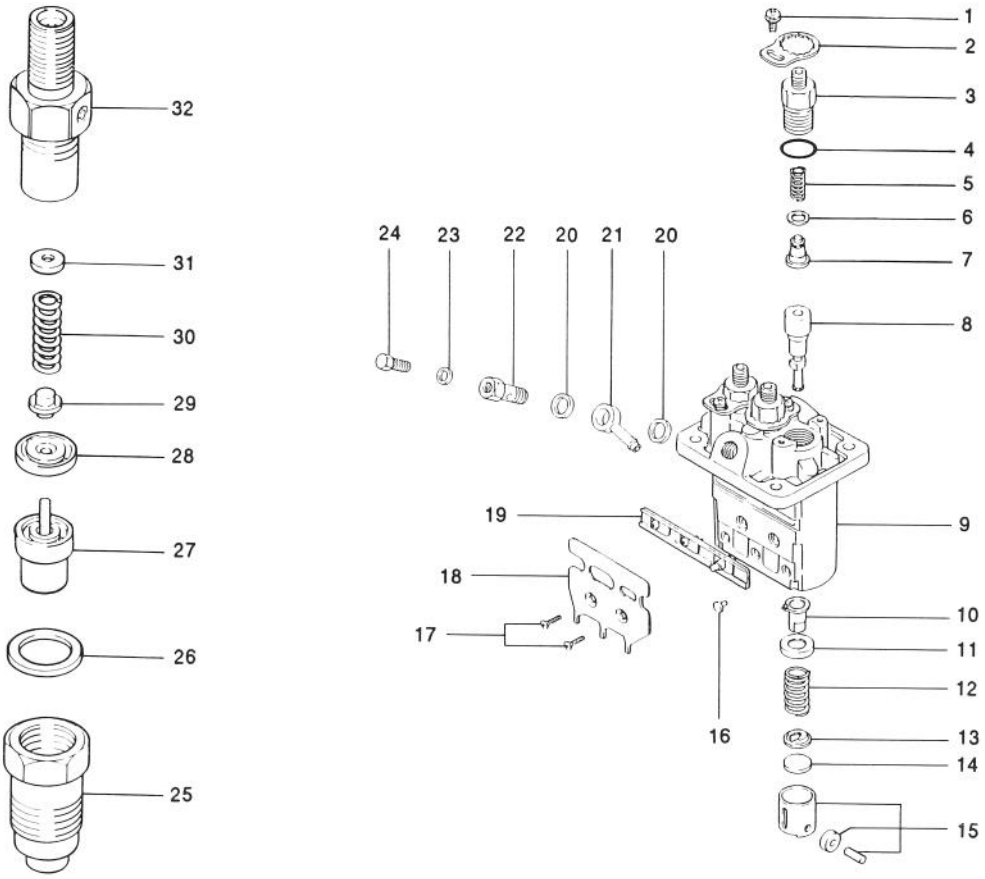
T-0569

FUEL SUPPLY & ENGINE BLOCK ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
38	67-3330	Shim 0.7 mm	1
*	67-3340	Shim 0.8 mm	1
*	67-3350	Shim 0.9 mm	1
*	67-3360	Shim 1.0 mm	1
39	67-3370	Bolt W/Washer	4

Ref. No.	Part No.	Description	No. Used
40	67-4330	Oil Filter Assembly	1
41	75-5020	Injector Pump Assembly	
42	67-3400	Pipe Assy. No. 1	1
43	67-3410	Pipe Assy. No. 2	1
44	82-8110	Retainer - Oil Guide	1

*Not Illustrated



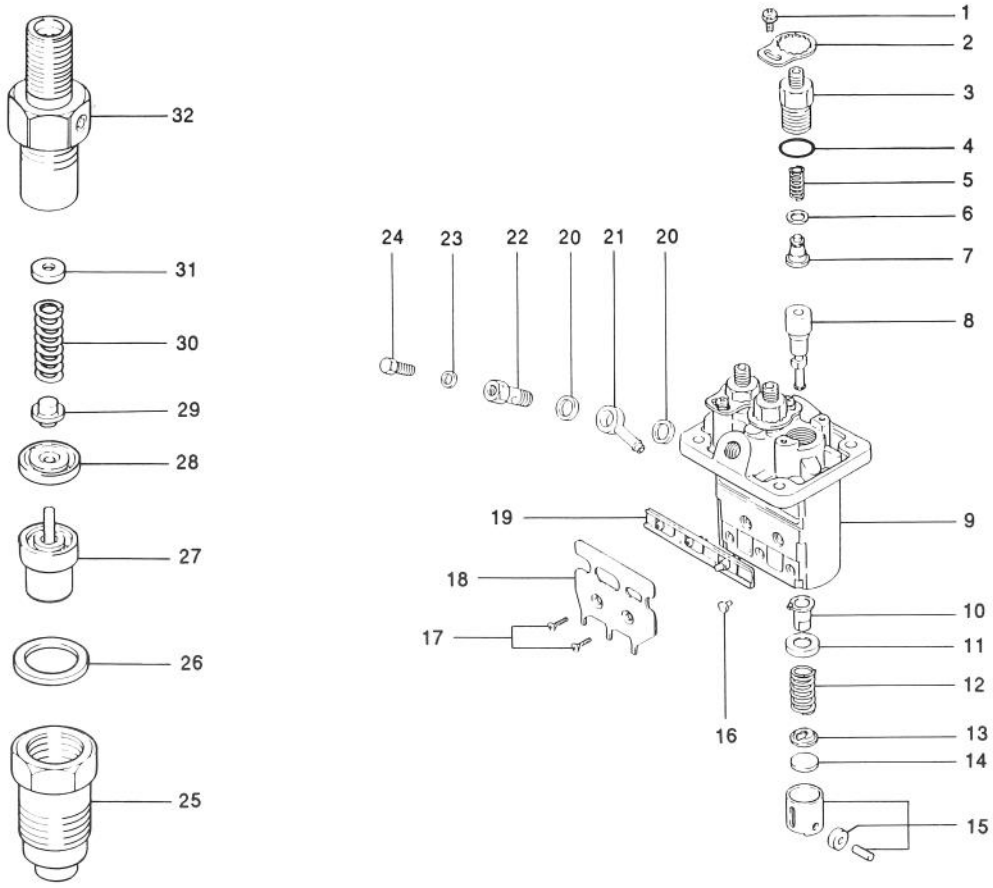
T-0570

FUEL INJECTION PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-3770	Screw W/Washer	3
2	67-3760	Plate - Lock	3
3	67-3740	Holder-Delivery Valve	3
4	67-3480	Seal - O-Ring	3
5	67-3490	Spring	3
6	42-8240	Gasket	3
7	67-3500	Valve	3
8	75-4970	Element	3
9	67-3460	Housing-Pump	1
10	67-3520	Sleeve	3
11	67-3530	Seat - Spring Upper	3
12	67-3540	Spring	3
13	67-3550	Seat - Spring Lower	3
14	67-3560	Plate - Shim 1.85 mm	1
*	67-3570	Plate - Shim 1.9 mm	1
*	67-3580	Plate - Shim 1.95 mm	1
*	67-3590	Plate - Shim 2.0 mm	1
*	67-3600	Plate - Shim 2.05 mm	1
*	67-3610	Plate - Shim 2.1 mm	1
*	67-3620	Plate - Shim 2.15 mm	1
*	67-3630	Plate -Shim 2.2 mm	1
*	67-3640	Plate - Shim 2.25 mm	1

Ref. No.	Part No.	Description	No. Used
14	67-3650	Plate - Shim 2.3 mm	1
*	67-3660	Plate - Shim 2.35 mm	1
*	67-3670	Plate - Shim 2.4 mm	1
*	67-3680	Plate - Shim 2.45 mm	1
*	67-3690	Plate - Shim 2.5 mm	1
15	67-3700	Tappet	3
16	67-3810	Pin - Tappet Guide	3
17	67-3790	Screw	2
18	67-3800	Bracket - Wire Stop	1
19	67-3780	Rack	1
20	67-3750	Washer	2
21	67-3740	Nipple - Swivel	1
22	67-3730	Screw	1
23	67-3720	Washer	1
24	67-3710	Screw - Air Bleed	1
25	67-3970	Nut - Retaining	3
26	67-3980	Gasket	3
27	67-3960	Nozzle	3
28	67-3950	Piece - Distance	3
29	67-3940	Pin - Pressure	3
30	67-3930	Spring	3
31	67-3830	Washer 1.25 mm	1

*Not Illustrated



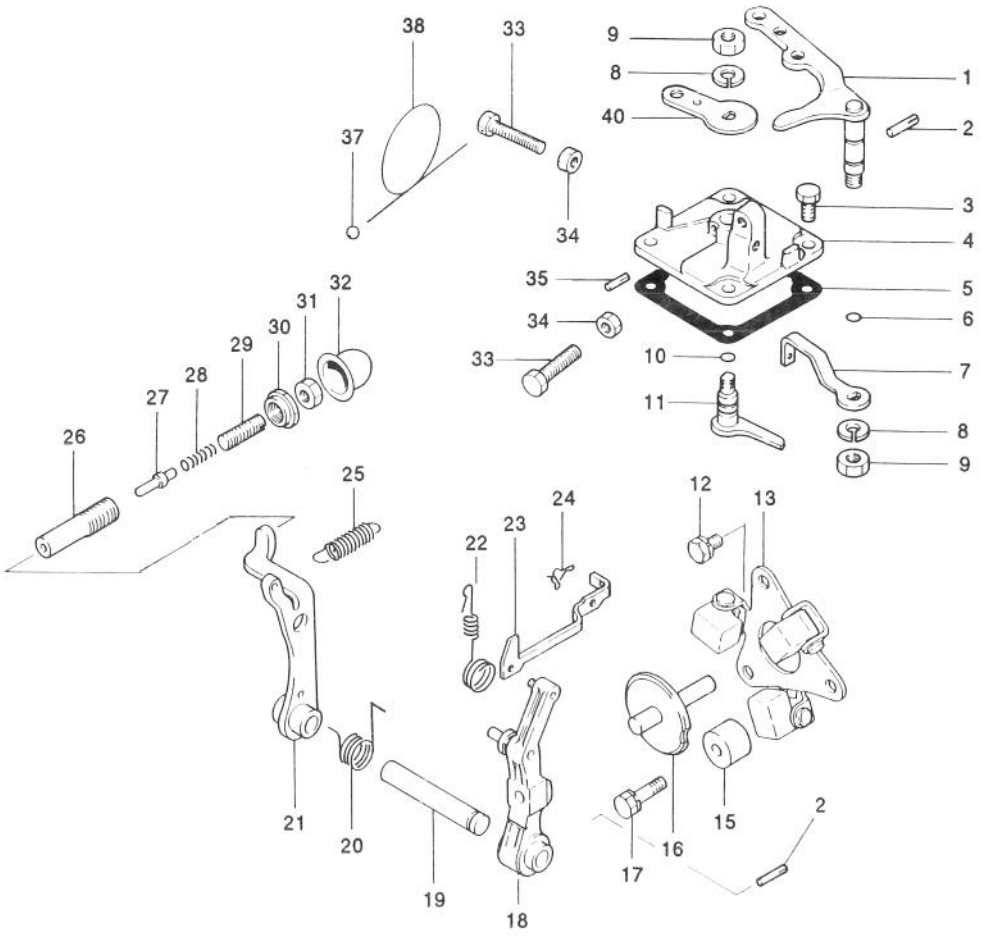
T-0570

FUEL INJECTION PUMP ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
31	67-3840	Washer 1.3 mm	1
*	67-3850	Washer 1.35 mm	1
*	67-3860	Washer 1.4 mm	1
*	67-3870	Washer 1.45 mm	1
*	67-3880	Washer 1.5 mm	1
*	67-3890	Washer 1.55 mm	1
*	67-3900	Washer 1.6 mm	1

Ref. No.	Part No.	Description	No. Used
31	67-3910	Washer 1.65 mm	1
*	67-3920	Washer 1.7 mm	1
32	75-5000	Body	3
*	53-8150	Pump Assembly (Incl. Ref. 21-24)	1
*	67-3380	Nozzle and Holder Assembly (Incl. Ref. #25-32)	3

*Not Illustrated



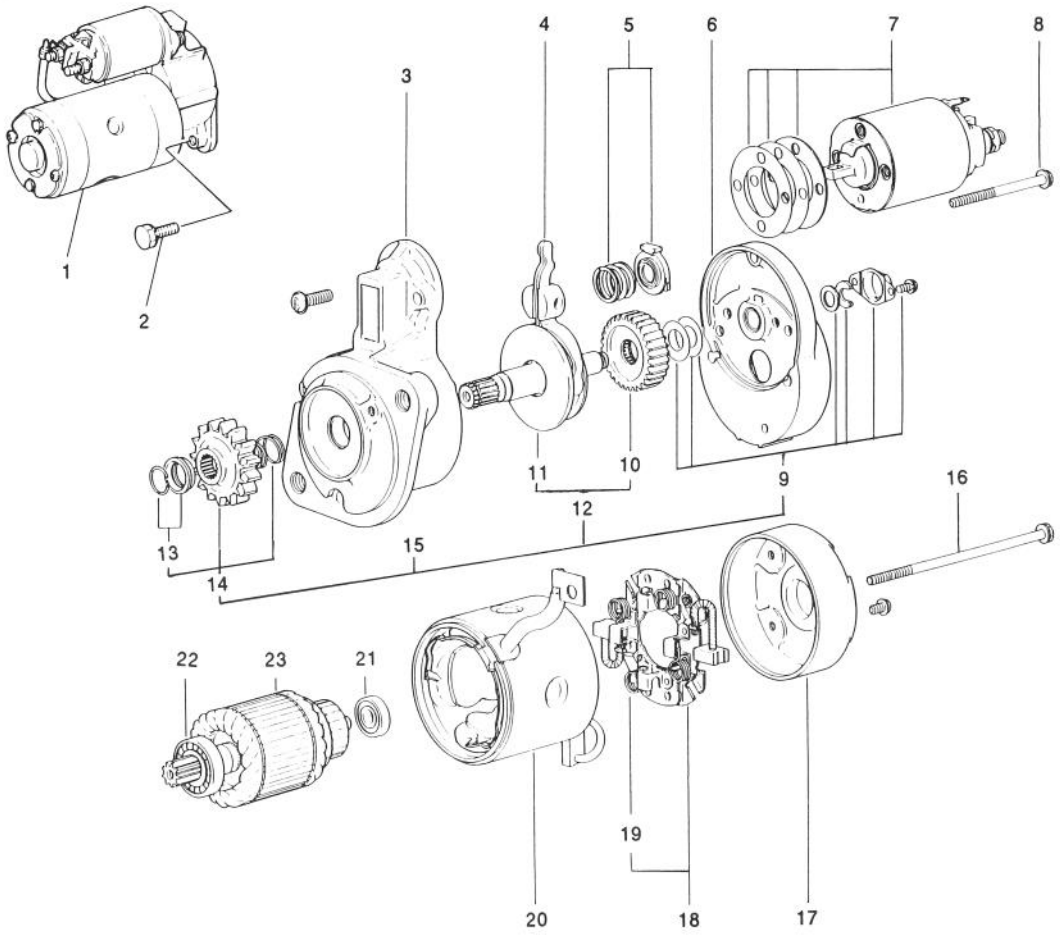
T-0571

GOVERNOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-3990	Lever - Speed Control	1
2	67-4000	Pin	2
3	67-4270	Bolt	4
4	67-4130	Cover - Governor	1
5	67-4160	Gasket	1
6	42-8830	Seal - O-Ring	1
7	75-4980	Lever - Governor Spring	1
8	67-3260	Washer	2
9	42-9640	Nut - Jam	2
10	42-8830	Seal - O-Ring	1
11	67-4140	Lever - Stop	1
12	42-9430	Bolt W/Washer	2
13	67-4040	Weight Assembly	1
15	67-4010	Stopper	1
16	67-4070	Shaft - Sliding	1
17	67-4280	Bolt W/Washer	1
18	67-4060	Lever - Governor	1
19	67-4050	Shaft - Governor	1
20	67-5040	Spring	1
21	67-4090	Lever - Tension	1
22	70-8720	Spring - Tie Rod	1

Ref. No.	Part No.	Description	No. Used
23	67-4030	Rod - Tie	1
24	67-4080	Clip	1
25	75-4990	Spring - Governor	1
26	67-4210	Case - Torque Spring	1
27	67-4230	Stopper	1
28	67-4190	Spring - Torque	1
29	67-4220	Screw - Adjusting	1
30	67-4200	Nut - Special	1
31	67-4180	Nut	1
32	43-2820	Cap - Sealing Torque Set	1
33	42-9420	Bolt - Speed Set	4
34	67-4290	Nut	4
35	67-4120	Pin - Grooved	1
37	42-8690	Metal - Sealing	1
38	42-8700	Wire	1
40	67-4150	Lever - Stop	1
*	67-4110	Cover Assembly (Incl. Ref. #4, 8-11, 35 & 40)	1
*	67-4170	Spring Set (Incl. Ref. #26-31)	

*Not Illustrated

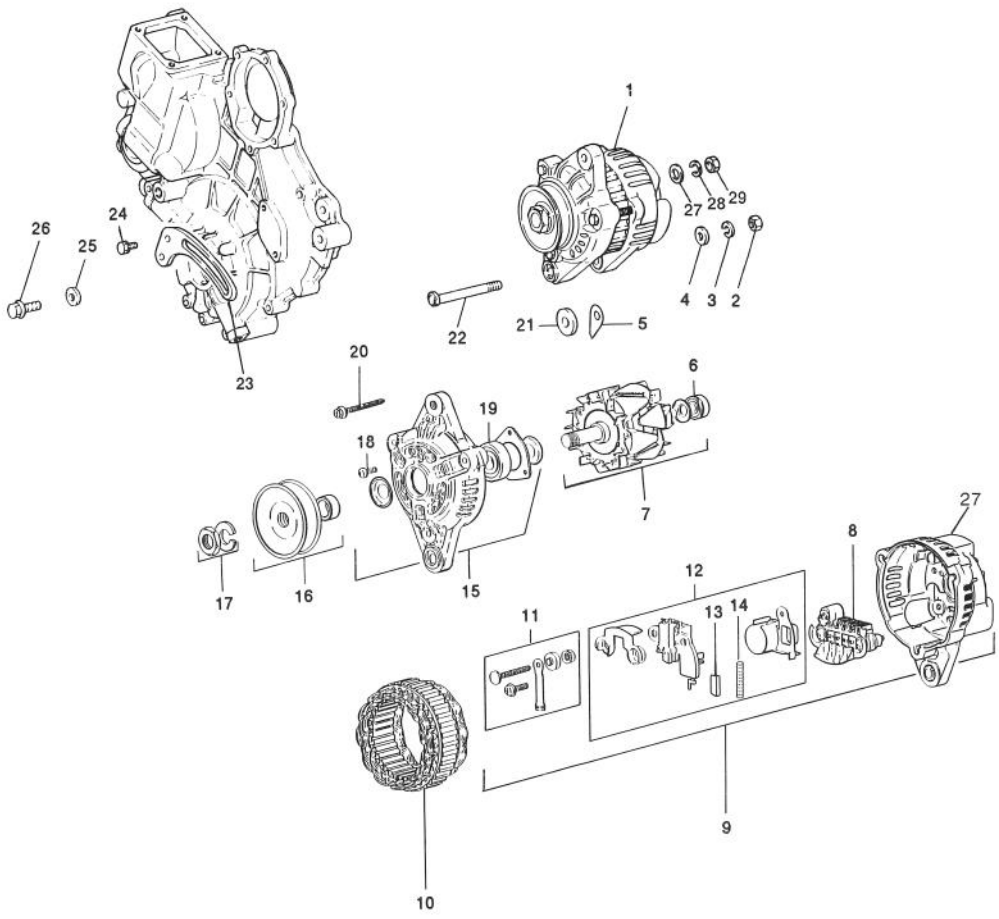


T-0572

STARTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70-8760	Starter Assembly (Incl. Ref. #3-23)	1
2	67-4610	Bolt W/Washer	2
3	70-8770	Bracket - Front	1
4	67-4720	Lever	1
5	67-4730	Spring Set	1
6	70-8780	Bracket - Center	1
7	67-4750	Switch	1
8	56-1570	Bolt Set	1
9	56-1680	Cover Set	1
10	56-1670	Gear	1
11	67-4790	Shaft	1
12	67-4780	Gear Set (Incl. Ref. #10 & 11)	1
13	56-1640	Stopper Set	1

Ref. No.	Part No.	Description	No. Used
14	67-4770	Pinion Set (Incl. Ref. #13)	1
15	67-4760	Shaft Assembly (Incl. Ref. #9, 12 & 14)	1
16	56-1610	Bolt	1
17	56-1720	Bracket - Rear	1
18	56-1700	Holder - Brush (Incl. Ref. #19)	1
19	56-1710	Spring - Brush	4
20	67-4800	Yoke	1
21	56-1600	Bearing - Rear	1
22	56-1590	Bearing - Front	1
23	56-1580	Armature Set (Incl. Ref. #21 & 22)	1

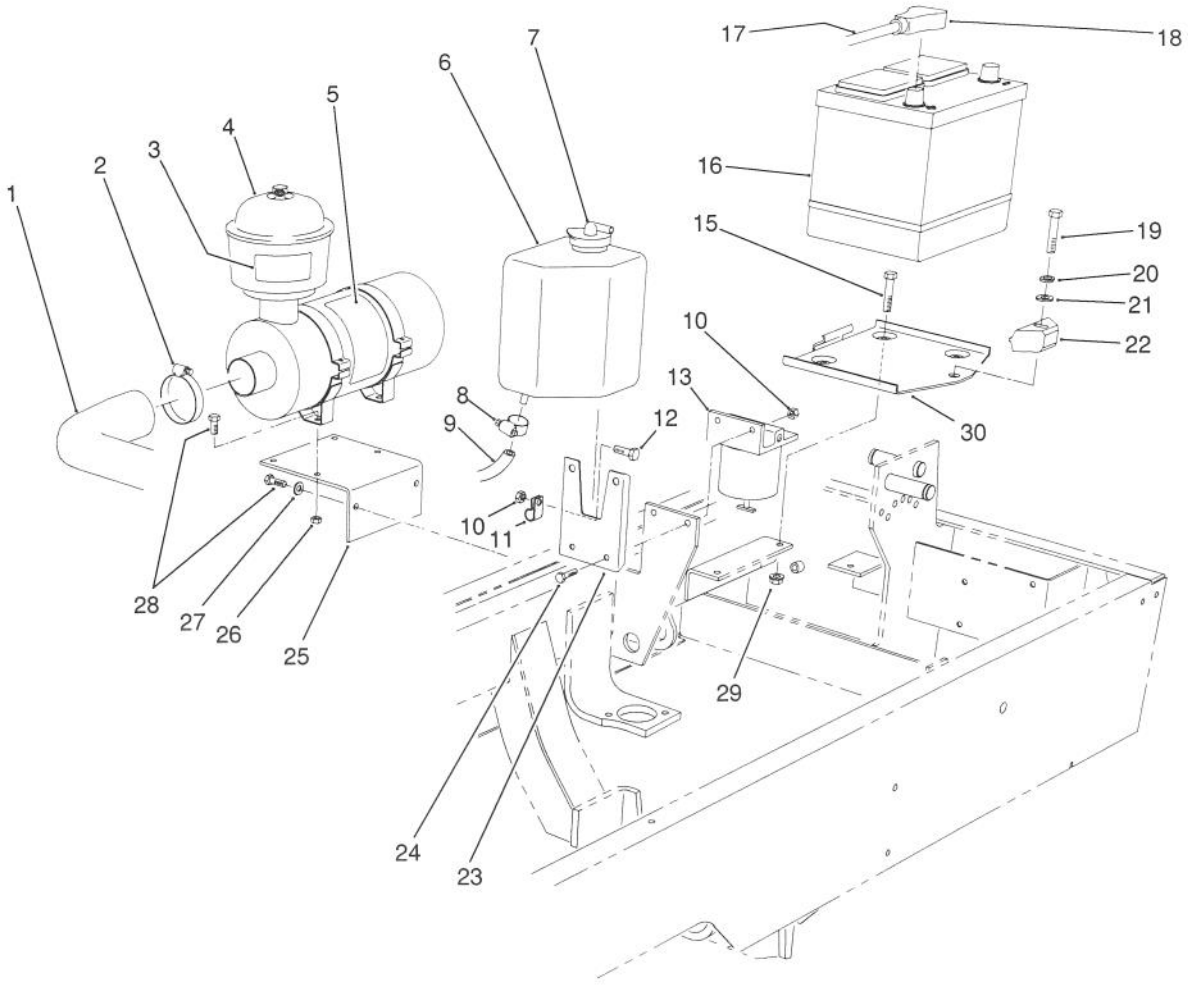


T-0573

ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-4630	Alternator Assembly (Incl. Ref. #6-17)	1
2	67-4670	Nut	1
3	67-3260	Washer	1
4	42-9660	Washer	1
5	43-0370	Shim	1
6	67-4870	Bearing - Rear	1
7	67-4860	Rotor Assembly (Incl. Ref. #6)	
8	67-4930	Rectifier	1
9	67-4890	Rear Cover Assembly (Incl. Ref. #8, 11, 12 & 27)	1
10	67-4880	Stator	1
11	67-4900	Terminal Set	1
12	67-4910	Regulator Assembly (Incl. Ref. #13 & 14)	1

Ref. No.	Part No.	Description	No. Used
13	67-4920	Brush	2
14	43-0510	Spring - Brush	2
15	67-4830	Front Bracket Assembly (Incl. Ref. #18 & 19)	1
16	67-4810	Pulley Set	1
17	43-1920	Nut Set	1
18	67-4840	Screw Set	1
19	67-4850	Bearing - Front	1
20	67-4820	Bolt Set	1
21	67-4620	Spacer	1
22	67-4640	Bolt	1
23	75-4940	Brace - Alternator	1
24	42-9440	Bolt W/Washer	1
25	54-8660	Washer	1
26	67-4660	Bolt - Flange	1
27	72-6140	Cover - Rear	1



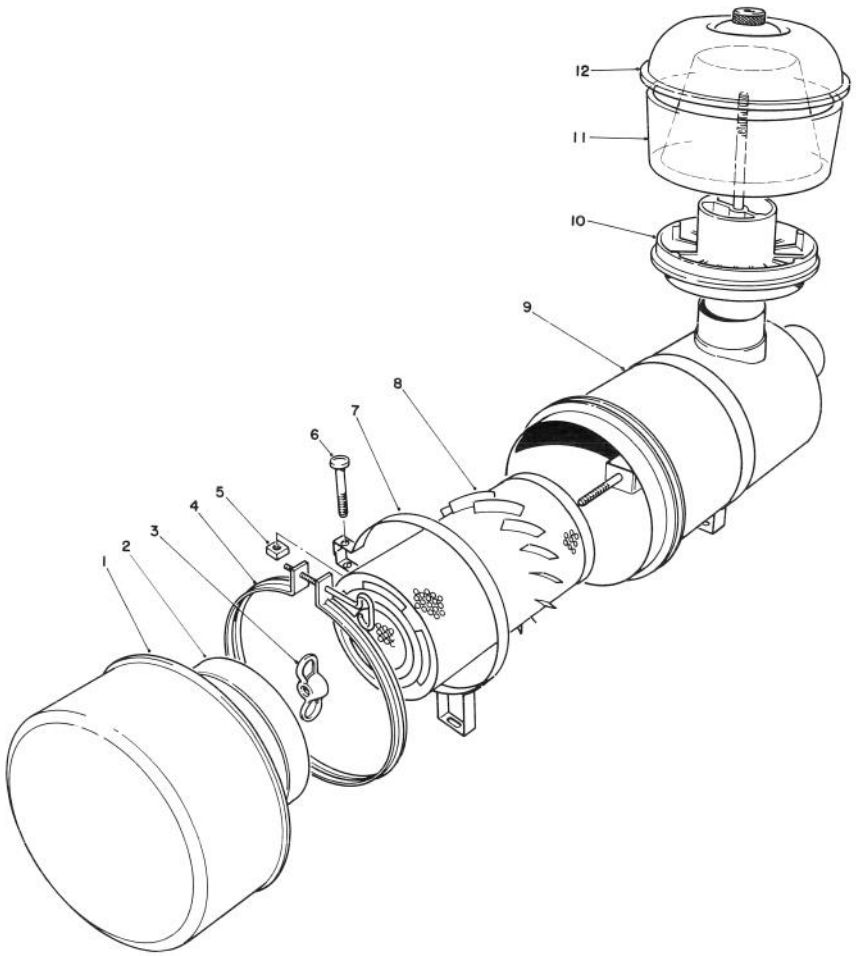
T-1056

ENGINE COMPONENTS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75-2460	Hose - Air Cleaner	1
2	2412-42	Clamp - Hose	1
3	67-1700	Decal - Starting Fluid	1
4	48-4220	Air Cleaner Assembly (Incl. Ref. #5)	1
5	27-7160	Decal - Instructions	1
6	63-7380	Expansion Tank Assembly (Incl. Ref. #7)	1
7	71-1520	Cap - Expansion Tank	1
8	2412-108	Clamp - Hose	1
9	75-2850	Hose - Expansion Tank	1
10	3296-42	Nut - Lock	3
11	2412-93	Clamp - R	1
12	321-2	Screw - Cap Hex. Hd.	1
13	63-7650	Fuel Filter Assembly	1
15	322-4	Screw - Cap Hex. Hd.	3
16	13-6259	Battery (Type 26, 530 Amp.)	1

Ref. No.	Part No.	Description	No. Used
17	75-1370	Battery Cable Assy. (+) (Incl. Ref. #18)	1
*	75-5730	Insulator - Terminal (Starter End)	1
18	28-1280	Boot - Cable	1
19	323-9	Screw - Cap Hex. Hd.	1
20	3253-21	Washer - Lock	1
21	3256-24	Washer - Flat	1
22	66-2490	Clamp - Battery	1
23	75-4250	Bracket - Expansion Tank	1
24	321-6	Screw - Cap Hex. Hd.	2
25	75-3140	Bracket - Air Cleaner	1
26	3296-29	Nut - Lock	4
27	3256-23	Washer - Flat	2
28	322-3	Screw - Cap Hex. Hd.	6
29	32128-25	Nut - Lock	3
30	66-2330	Base - Battery	1

*Not Liiustrated



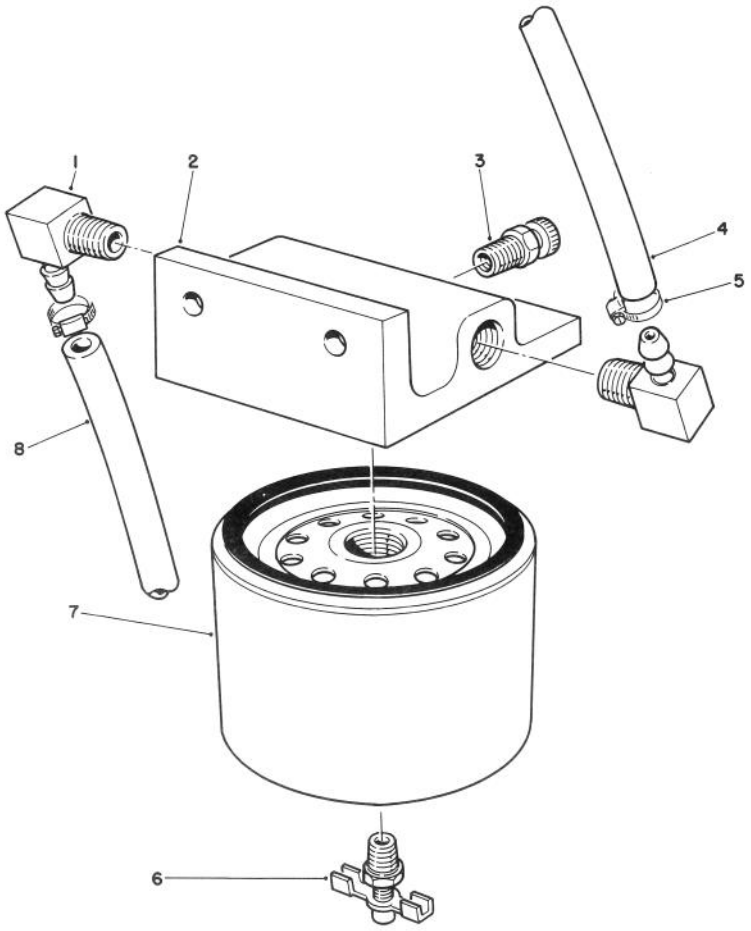
T-0126

AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27-7150	Cup Assembly	1
2	27-7140	Baffle	1
3	27-7120	Nut	1
4	27-7130	Clamp Assembly	1
5	32107-11	Nut-Square	2
6	3258-19	Screw-Machine	2
7	27-7170	Band Assembly (Incl. Ref. #5 & 6)	2
8	27-7110	Element Assembly	1

Ref. No.	Part No.	Description	No. Used
9†		Housing	1
10	62-6300	Sleeve Assembly	1
11	33-1270	Bowl	1
12	33-1260	Cover Assembly	1
*	48-7430	Pre-Cleaner Assembly (Incl. Ref. #10-12)	1
*	48-4220	Air Filter Assembly (Incl. Ref. #1-4, 8-9)	1
*	27-7220	Air Cleaner Soap	1

*Not Illustrated
†Not Serviceable Separately



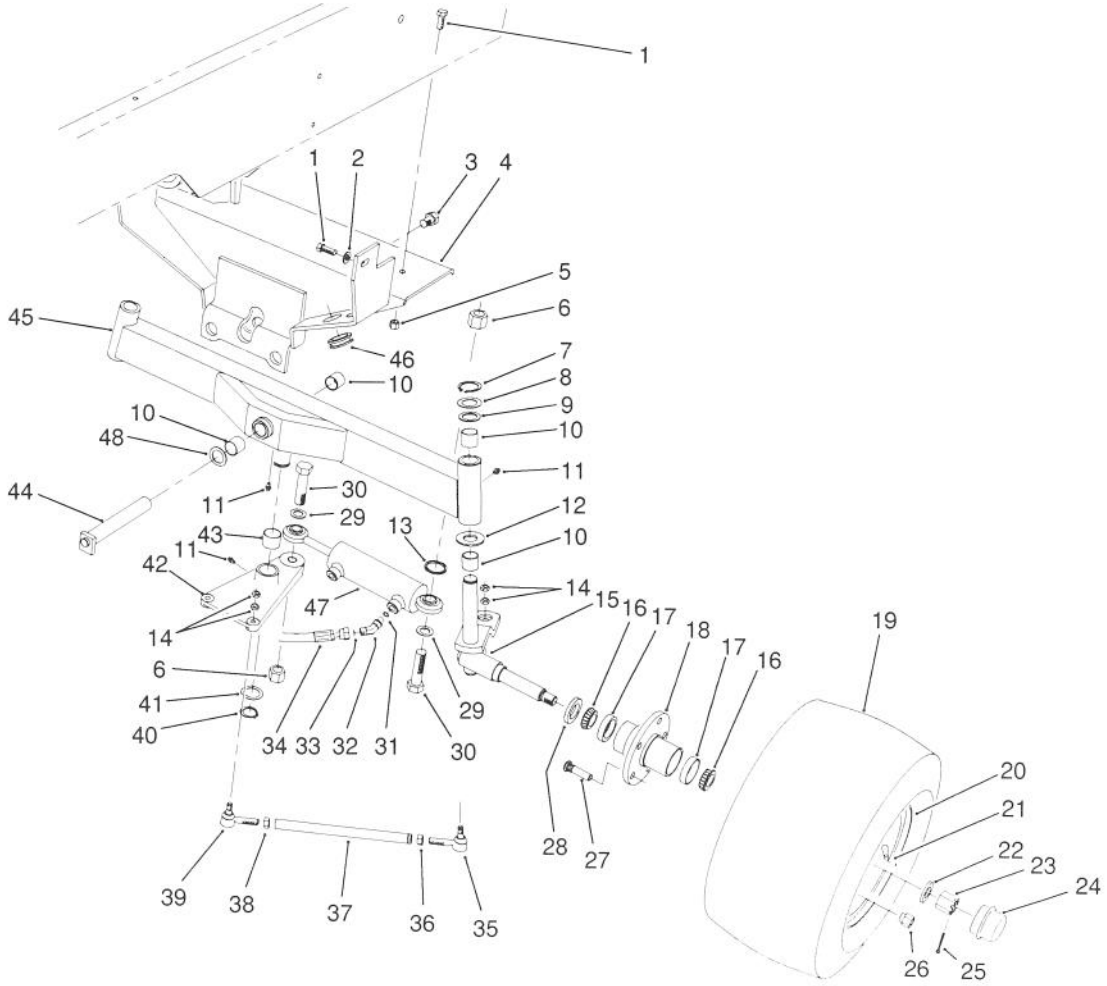
T-1030

FUEL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	353-781	Fitting-Elbow	2
2	63-8280	Head-Filter, Fuel (Incl. Ref. #3)	1
3	63-8290	Vent-Air	1
4	63-7620	Hose-Fuel	1
5	2412-108	Clamp-Hose	2
6	63-8310	Valve-Drain	1

Ref. No.	Part No.	Description	No. Used
7	63-8300	Element-Spin-On (Incl. Ref. #6)	1
8	63-7610	Hose-Fuel	1
*	63-7650	Fuel Filter Assembly (Incl. Ref. #2, 3 & 6-7)	1

*Not Illustrated



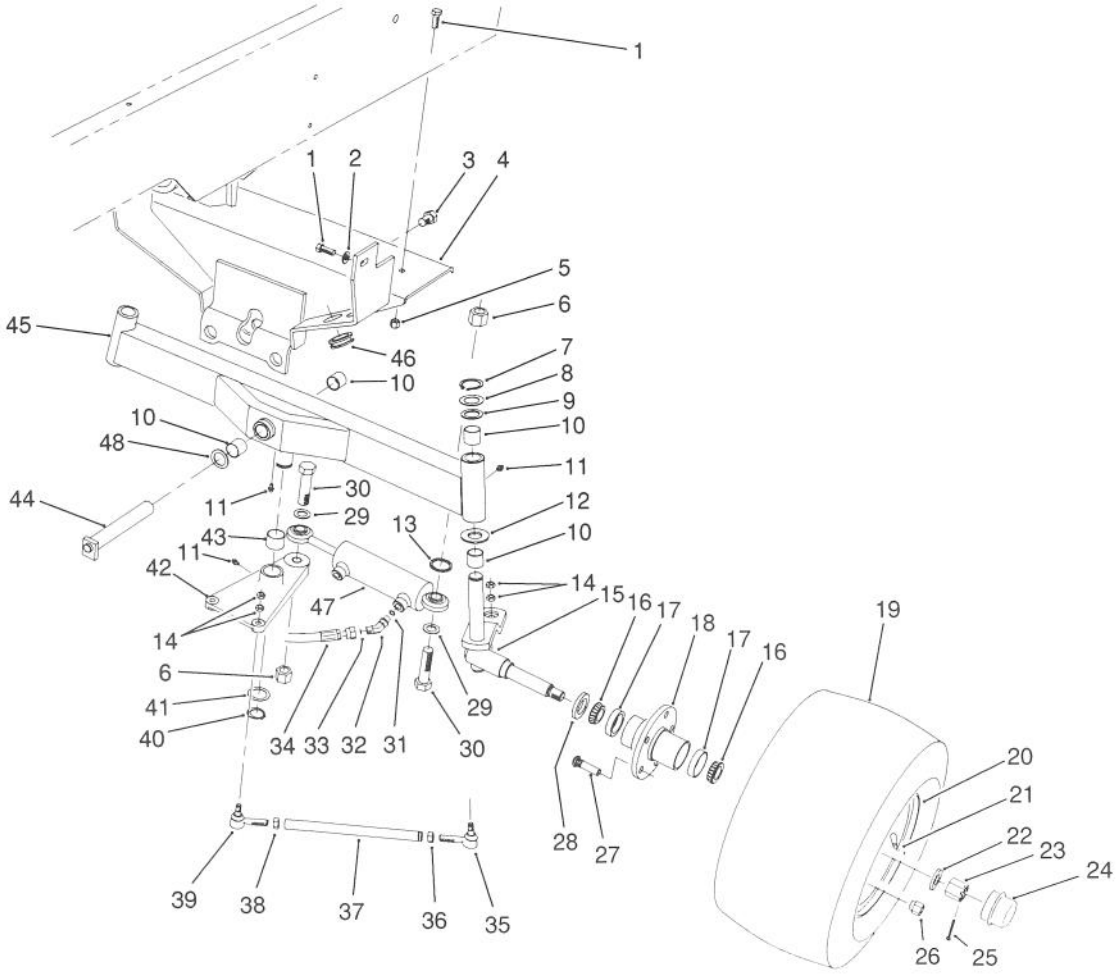
T-1057

REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323-6	Screw - Cap Hex. Hd.	4
2	3256-24	Washer - Flat	2
3	327-2	Screw - Cap Hex. Hd.	1
4	75-1100	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	A/R
9	10-8110	Washer - Thrust	2
10	67-1751	Bushing - Sleeve	6
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	75-4440	Spindle - Rear L.H.	1
*	75-4420	Spindle - Rear R.H.	1
16	254-94	Cone - Bearing	4
17	254-72	Cup - Bearing	4
18	21-2820	Hub - Rear Wheel	2
19	231-135	Tire	2
20	217-121	Rim	2
21	232-35	Stem - Valve	2
22	3256-28	Washer - Flat	2

Ref. No.	Part No.	Description	No. Used
23	32136-5	Nut - Slotted	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 - Cap Hex. Hd.	2
31	237-78	Seal - O-Ring	2
32	340-103	Fitting - Hydraulic 45° (Incl. Ref. #31 & 33)	2
33	237-21	Seal - O-Ring	2
34	75-6230	Hose - Hydraulic	2
35	21-0140	Joint - Ball	2
36	3220-5	Nut - Jam	2
37	75-3130	Rod - Tie	2
38	3220-12	Nut - Jam L.H. Thread	2
39	21-0150	Joint - Ball L.H. Thread	2
40	32151-77	Ring - Retaining	1
41	76-2980	Washer - Thrust	1
42	75-4410	Pivot Plate Assembly (Incl. Ref. #11 & 43)	1
43	76-2970	Bushing - Sleeve	2

*Not Illustrated

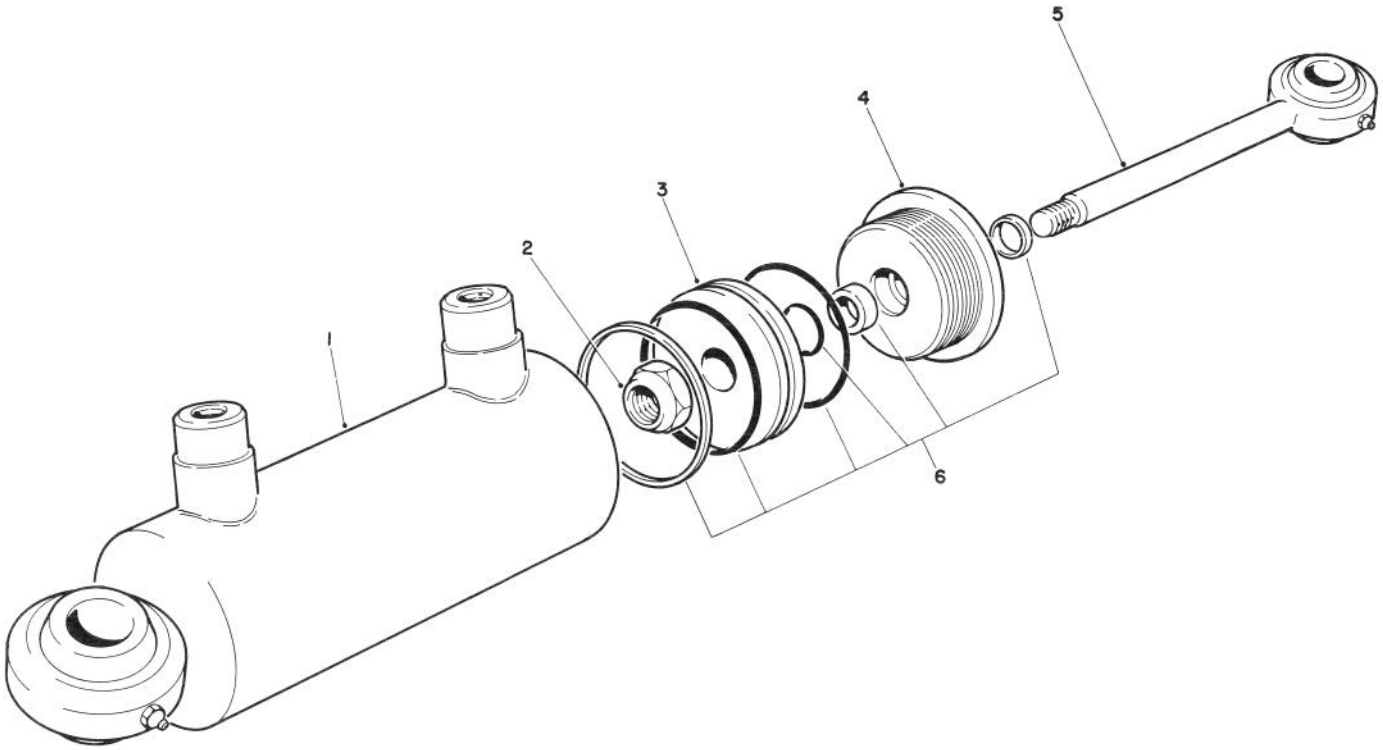


T-1057

REAR AXLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
44	75-4180	Pin - Rear Axle Pivot	1
45	75-2900	Rear Axle Assembly (Incl. Ref. #10 & 11)	1

Ref. No.	Part No.	Description	No. Used
46	237-165	Grommet	2
47	75-1200	Hydraulic Cylinder Assembly	1
48	5-1226	Washer - Thrust	2



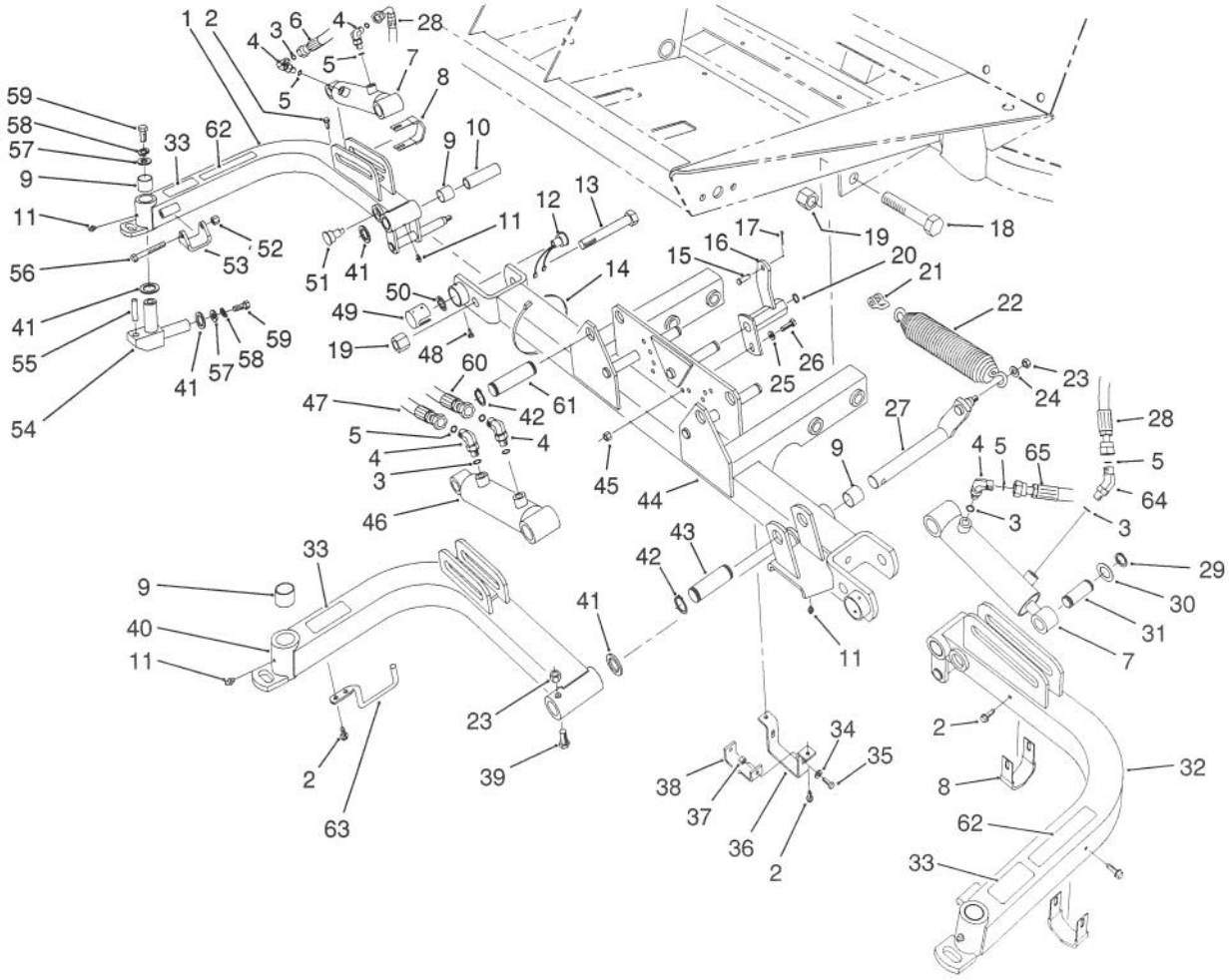
T-0996

HYDRAULIC CYLINDER NO. 75–1200

Ref. No.	Part No.	Description	No. Used
†1		Barrel Assembly	1
2	75–1210	Nut–Lock	1
3	75–1220	Piston	1

Ref. No.	Part No.	Description	No. Used
4	75–1260	Head–Internal	1
5	75–1230	Piston Rod Assembly	1
6	75–1250	Seal Kit	1

†Not Serviced Separately



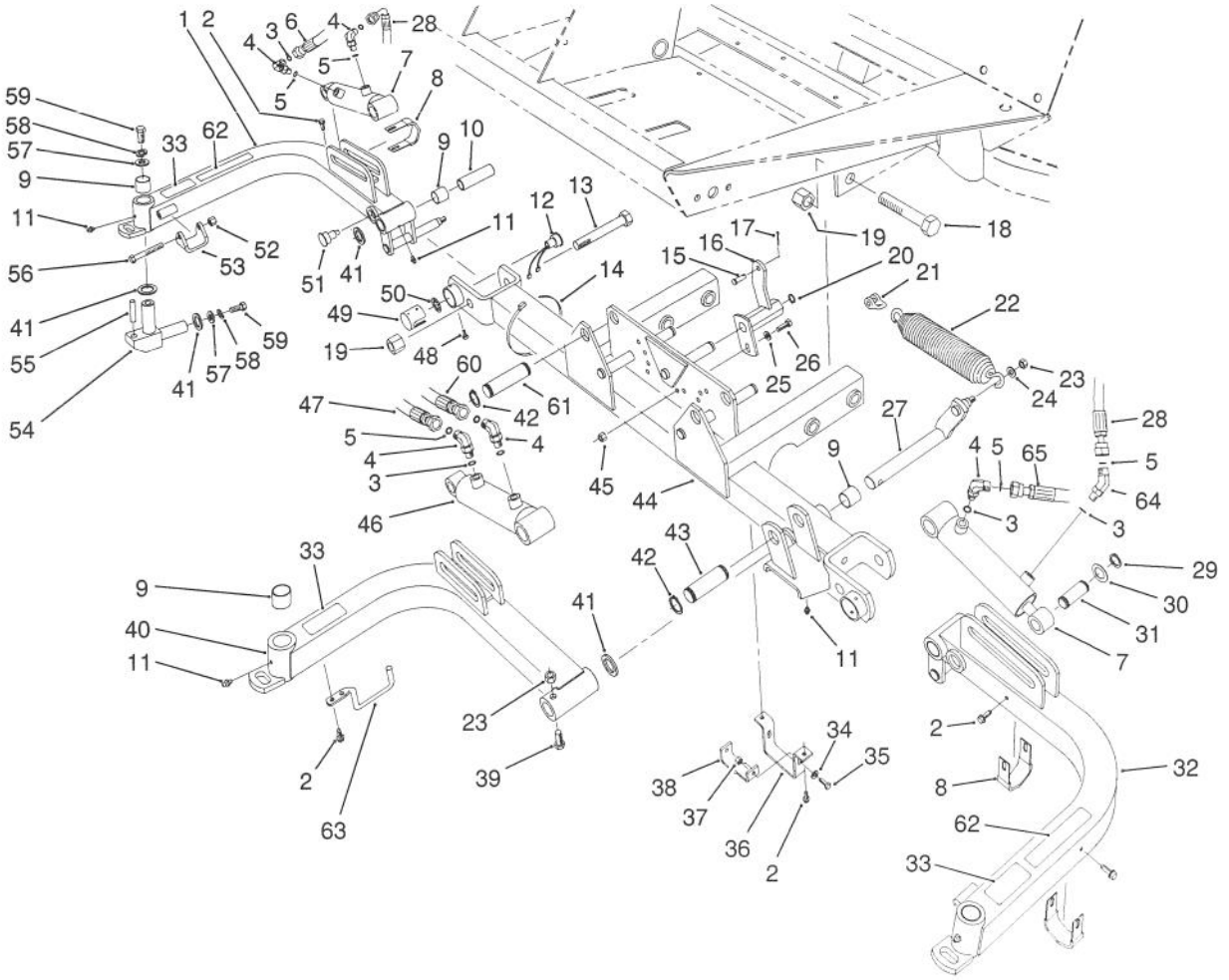
T-1059

FRONT LIFT ARMS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75-5450	Lift Arm Assembly R.H. (Incl. Ref. #9 & 11)	1
2	49-2040	Screw - Thread Forming	10
3	237-78	Seal - O-Ring	6
4	340-132	Fitting - Hydraulic 90° (Incl. Ref. #3 & 5)	5
5	237-21	Seal - O-Ring	6
6	75-5880	Hose - Hydraulic	1
7	75-0770	Hydraulic Cylinder Assembly	2
8	75-5330	Clamp - Hose	3
9	67-1750	Bushing - Sleeve	12
10	75-5340	Spacer - Pivot	2
11	302-5	Fitting - Grease	6
12	75-6300	Sensor - Reed Switch	2
13	328-9	Screw - Cap Hex. Hd.	2
14	3290-379	Tie - Cable	4
15	283-6	Pin - Clevis	3
16	75-5210	Bracket - Spring Center	1
*	75-5200	Bracket - Spring R.H.	1
*	75-5220	Bracket - Spring L.H.	1
17	3272-10	Pin - Cotter	3
18	328-7	Screw - Cap Hex. Hd.	4
19	3296-51	Nut - Lock	6

Ref. No.	Part No.	Description	No. Used
20	32151-48	Ring - Retaining	3
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 - Cap Hex. Hd.	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	75-5460	Lift Arm Assembly L.H. (Incl. Ref. #9 & 11)	1
33	55-4300	Decal - Warning	3
34	3256-22	Washer - Flat	2
35	321-4	Screw - Cap Hex. Hd.	2
36	75-5370	Mount - Clamp	1
37	3296-42	Nut - Lock	2
38	75-5380	Bracket - Clamp	1
39	323-10	Screw - Cap Hex. Hd.	1
40	75-5420	Lift Arm Assembly Center (Incl. Ref. #9 & 11)	1

*Not Illustrated

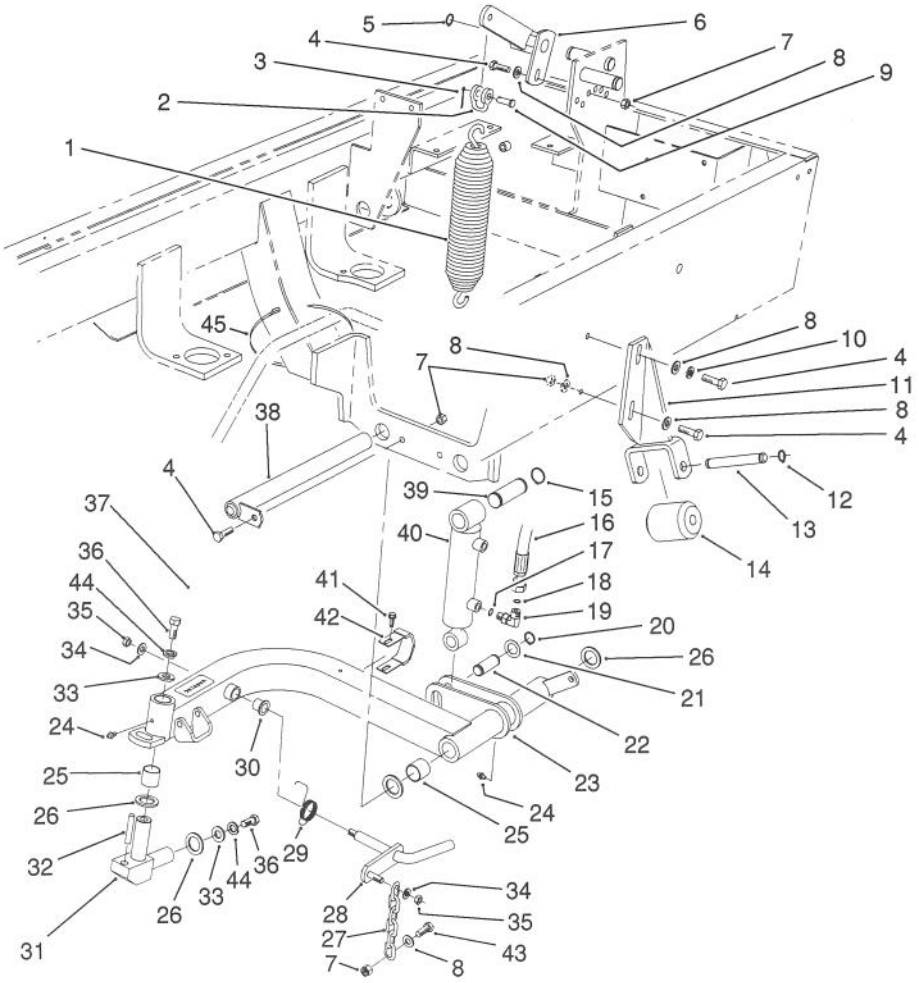


T-1059

FRONT LIFT ARMS ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
41	256-115	Washer - Thrust	11
42	32151-36	Ring - Retaining	6
43	75-5360	Pin - Cylinder Cap End	1
44	75-3040	Carrier Frame Assembly (Incl. Ref. #9 & 11)	1
45	3296-29	Nut - Lock	3
46	75-0780	Hydraulic Cylinder Assembly	1
47	75-5900	Hose - Hydraulic	1
48	32104-76	Screw - Thread Forming	4
49	75-6370	Cover - Sensor	2
50	32151-94	Ring - Retaining	2
51	75-6310	Magnet - Reed Switch	2
52	3296-39	Nut - Lock	2
53	75-5410	Bracket - Arm	2

Ref. No.	Part No.	Description	No. Used
54	75-3010	Joint - Arm	3
55	32121-122	Pin - Roll	3
56	323-12	Screw - Cap Hex. Hd.	2
57	3256-6	Washer - Flat	6
58	3253-7	Washer - Lock	6
59	325-4	Screw - Cap Hex. Hd.	6
60	75-5910	Hose - Hydraulic	1
61	75-5320	Pin - Cylinder (Cap End)	2
62	36-3400	Decal - No Step	2
63	75-5300	Rod - Hose Support	1
64	340-103	Fitting - Hydraulic 45° (Incl. Ref. #3 & 4)	1
65	75-5930	Hose - Hydraulic	1

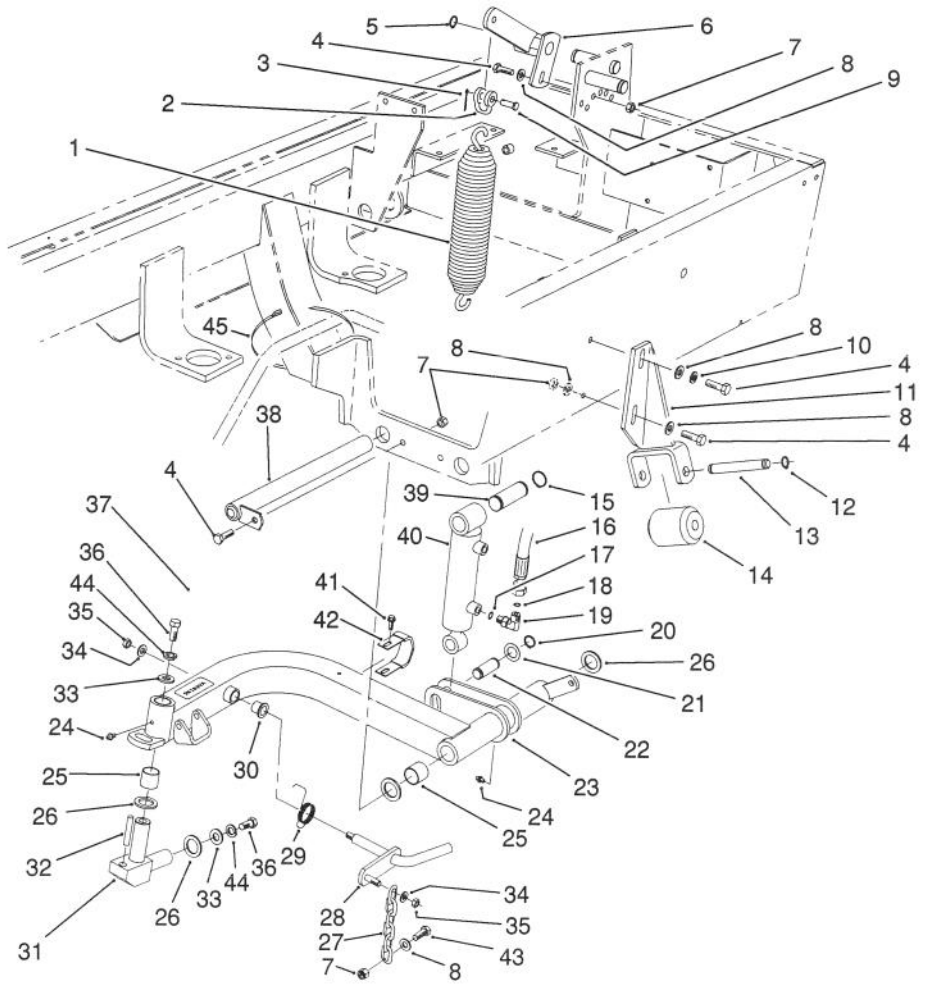


REAR LIFT ARMS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	5-0743	Spring - Counterbalance	2
2	282-4	Clevis - Spring	2
3	3272-10	Pin - Cotter	2
4	322-5	Screw - Cap Hex. Hd.	8
5	32151-48	Ring - Retaining	2
6	75-4690	Bracket - Spring Rear R.H.	1
*	75-4650	Bracket - Spring Rear L.H.	1
7	3296-29	Nut - Lock	6
8	3256-23	Washer - Flat	10
9	283-6	Pin - Clevis	2
10	3253-4	Washer - Lock	2
11	75-3810	Bracket - Roller	2
12	32151-61	Ring - Retaining	4
13	75-5400	Shaft - Roller	2
14	75-5390	Roller	2
15	32151-36	Ring - Retaining	4
16	75-6180	Hose - Hydraulic R.H.	2
*	75-6070	Hose - Hydraulic L.H. (Cap)	1
*	75-6080	Hose - Hydraulic L.H. (Rod)	1
17	237-78	Seal - O-Ring	4
18	237-21	Seal - O-Ring	4
19	340-132	Fitting - Hydraulic 90° (Incl. Ref. #17 & 18)	4

Ref. No.	Part No.	Description	No. Used
20	32120-93	Ring - Retaining	4
21	3-6498	Washer - Thrust	4
22	75-5350	Pin - Cylinder Rod End	2
23	75-5440	Lift Arm Assy. Rear R.H. (Incl. Ref. #24, 25 & 30)	1
*	75-5430	Lift Arm Assy. Rear L.H. (Incl. Ref. #24, 25 & 30)	1
24	302-5	Fitting - Grease	4
25	67-1750	Bushing - Sleeve	8
26	256-115	Washer - Thrust	6
27	5-1096	Chain - Cutting Unit	2
28	75-4590	Rod - Pivot	2
29	75-4520	Spring - Torsion R.H.	1
*	75-4530	Spring - Torsion L.H.	1
30	256-287	Bushing - Flange	4
31	75-3010	Joint - Arm	2
32	32121-122	Pin - Roll	2
33	3256-6	Washer - Flat	4
34	3256-24	Washer - Flat	4
35	3296-39	Nut - Lock	4
36	325-4	Screw - Cap Hex. Hd.	4
37	55-4300	Decal - Warning	2
38	75-3750	Pin - Pivot	2

*Not Illustrated

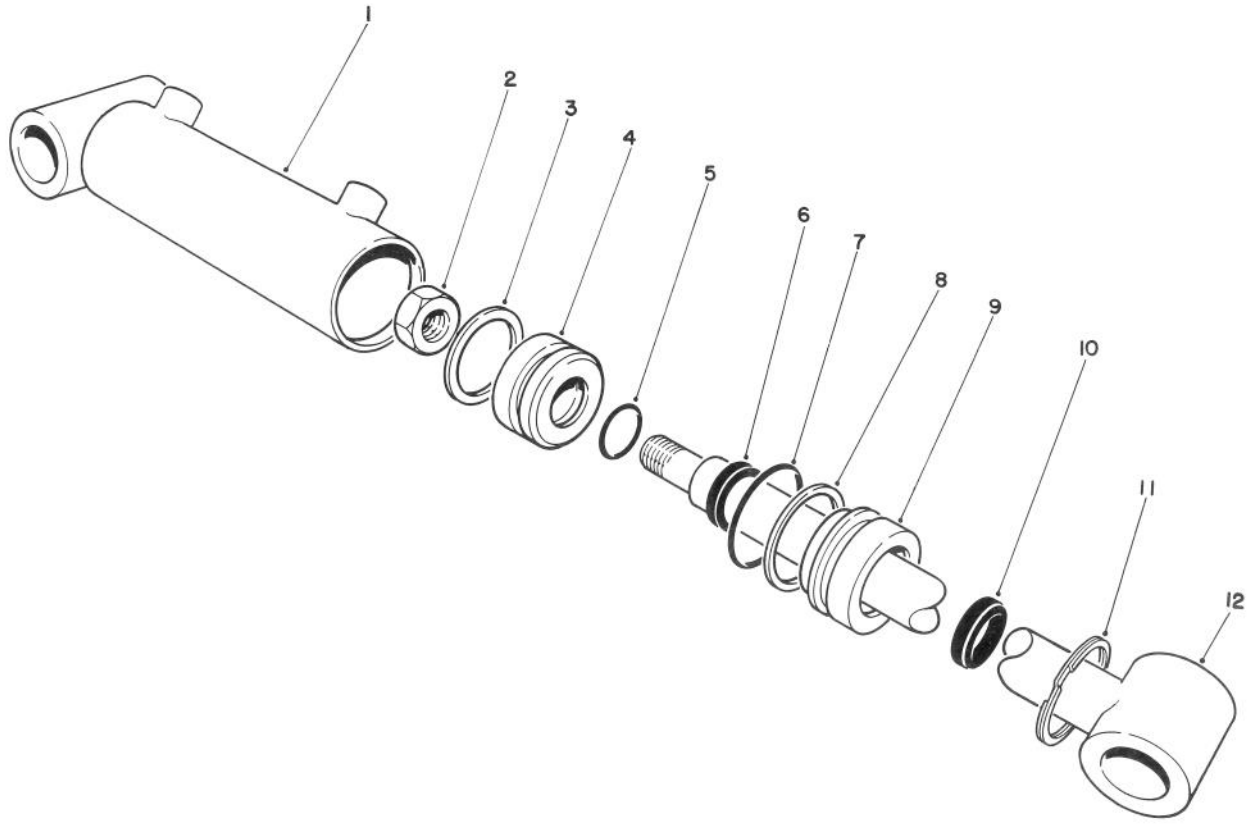


T-1060

REAR LIFT ARMS ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
39	75-5360	Pin - Cylinder Cap End	2
40	75-0780	Hydraulic Cylinder Assy.	2
41	49-2040	Screw - Thread Forming	4
42	75-5330	Clamp - Hydraulic Line	2

Ref. No.	Part No.	Description	No. Used
43	322-12	Screw - Cap Hex. Hd.	2
44	3253-7	Washer - Lock	4
45	3290-379	Tie - Cable	1



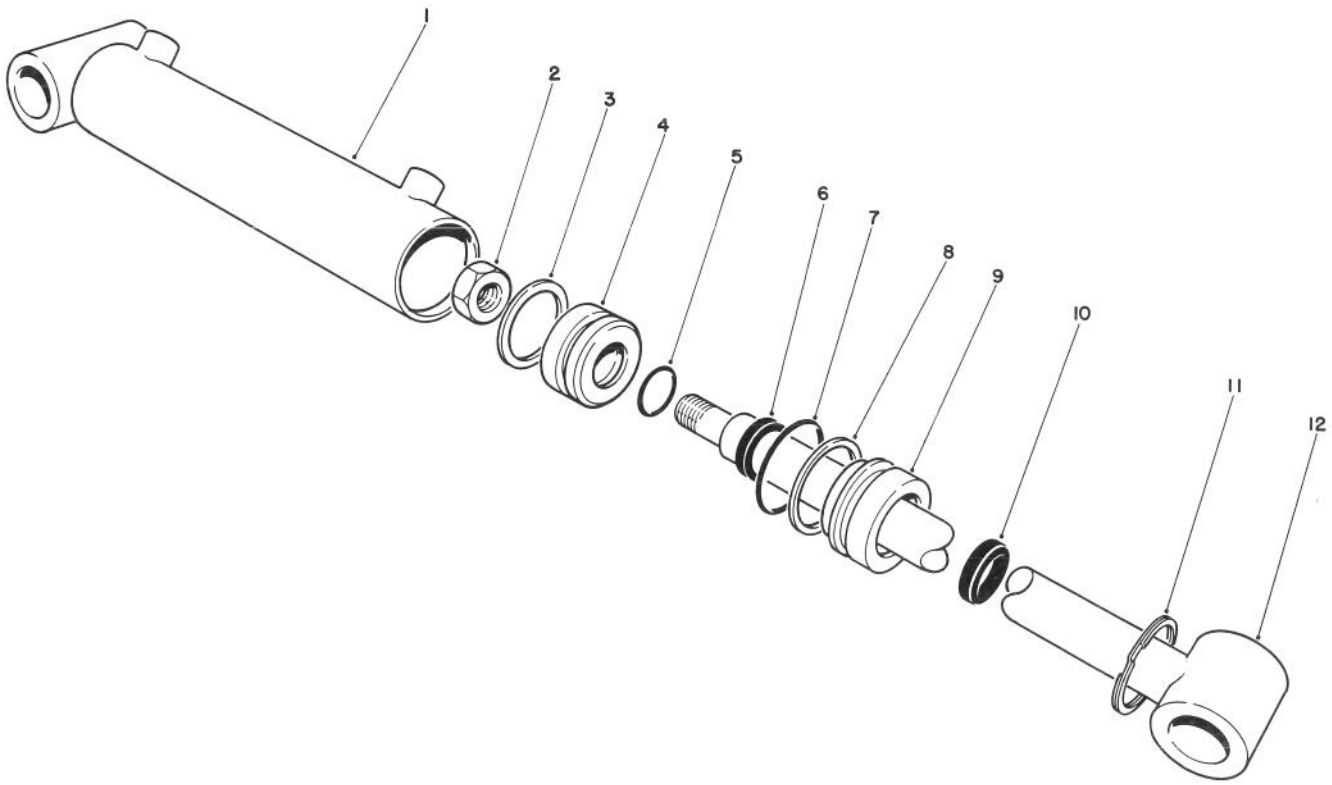
T-1033

HYDRAULIC CYLINDER NO. 75-0780

Ref. No.	Part No.	Description	No. Used
†1		Barrel W.A.	1
2	32152-10	Nut	1
†3		Uni-ring	1
4	70-2780	Piston	1
†5		Seal - O-Ring	1
†6		Seal-Rod	1
†7		Seal - O-Ring	1

Ref. No.	Part No.	Description	No. Used
†8		Backup	1
9	75-2110	Head	1
†10		Seal-Dust	1
11	43-5220	Ring-Retaining	1
12	75-3790	Clevis W.A.	1
*	75-2140	Seal repair Kit (Incl. Ref. #3, 5-8 & 10)	1

*Not Illustrated
†Not Serviced Separately



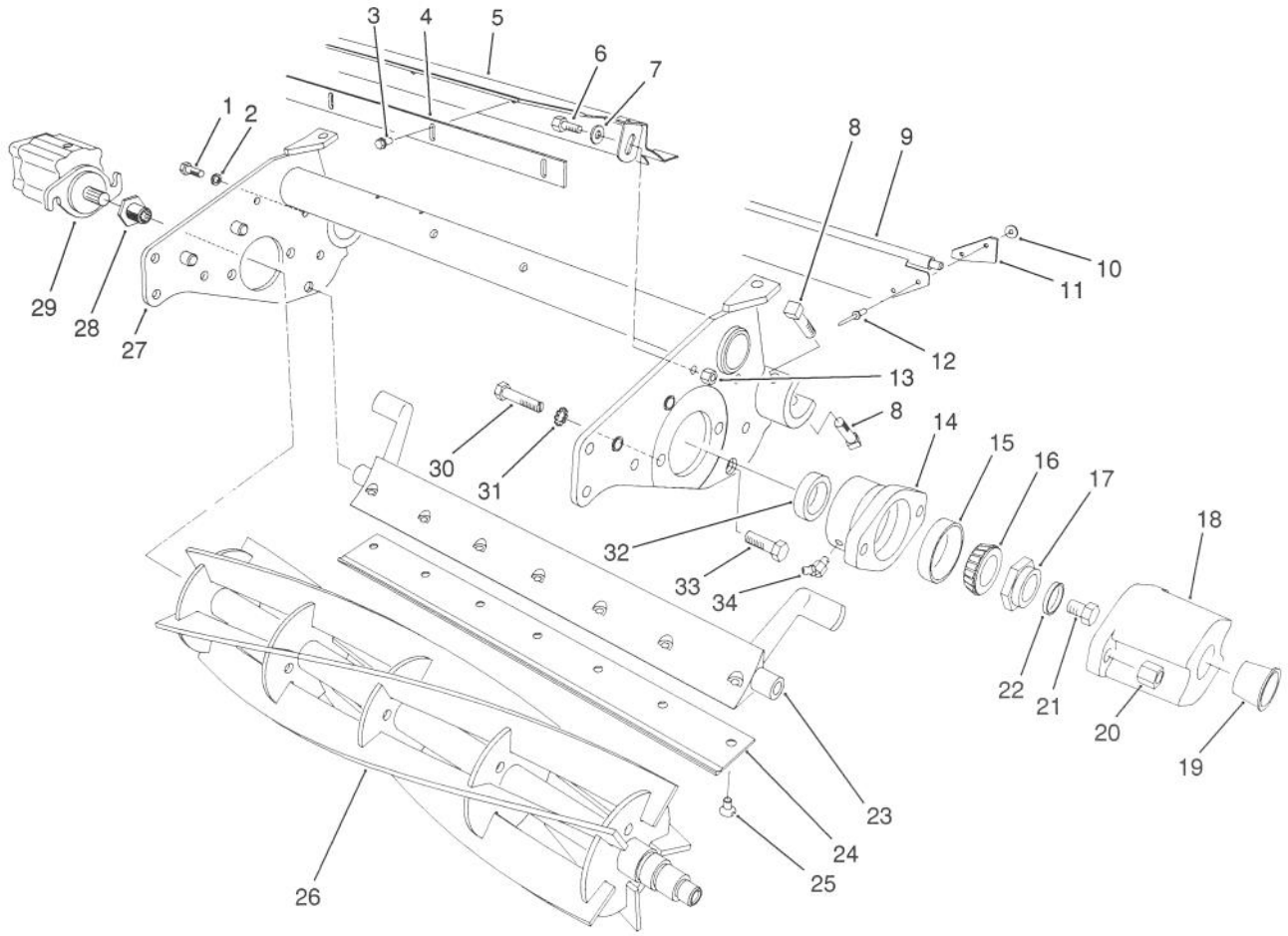
T-1032

HYDRAULIC CYLINDER NO. 75-0770

Ref. No.	Part No.	Description	No. Used
†1		Barrel W.A.	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

Ref. No.	Part No.	Description	No. Used
†8		Backup	1
9	75-2110	Head	1
†10		Seal-Dust	1
11	43-5220	Ring-Retaining	1
12	75-2120	Clevis W.A.	1
*	75-2140	Seal repair Kit (Incl. Ref. #3, 5-8 & 10)	1

*Not Illustrated
†Not Serviced Separately



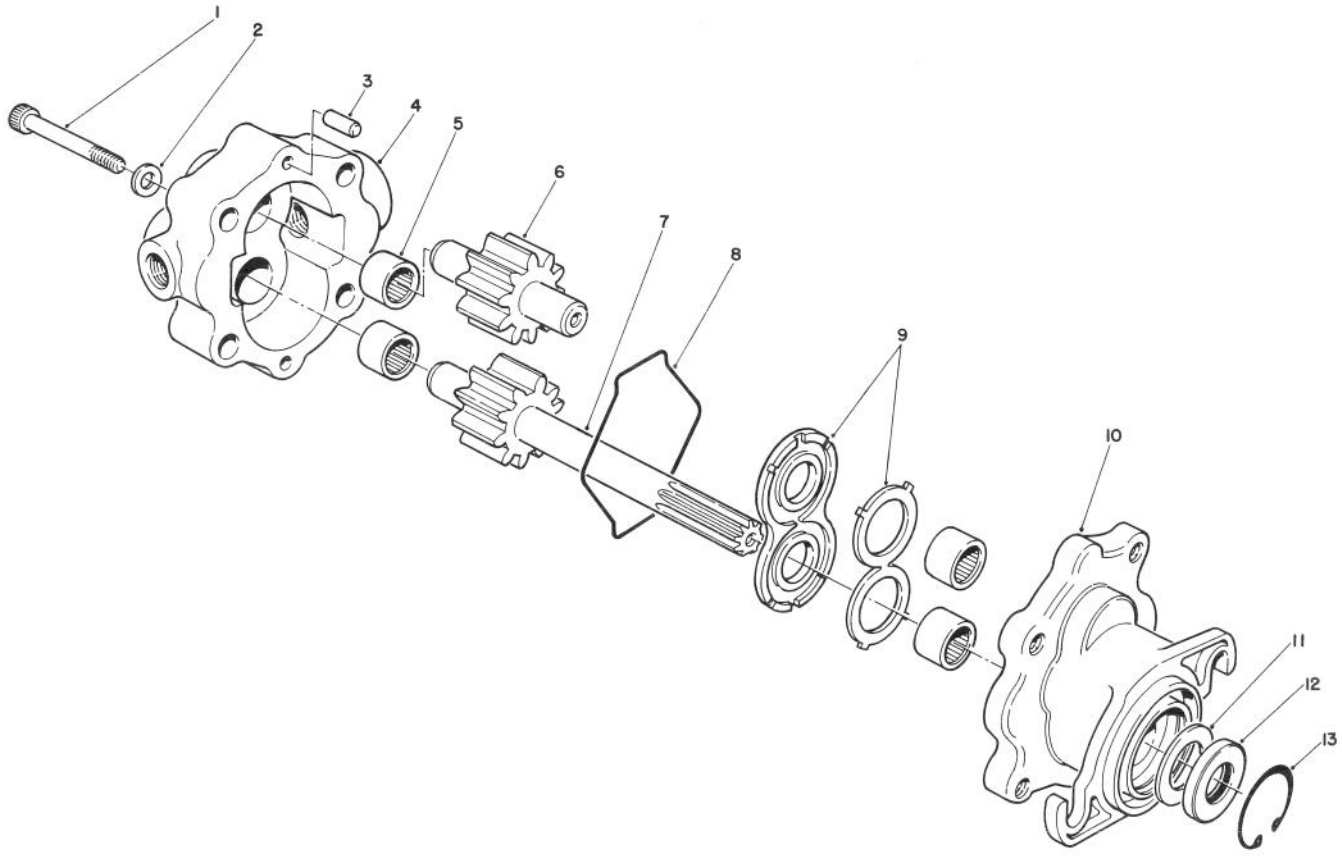
T-1062

CUTTING UNIT REEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322-5	Screw - Cap Hex. Hd.	1
2	3253-4	Washer - Lock	1
3	32144-73	Screw - Self Tapping	5
4	36-7260	Bar - Cutoff	1
5	75-1840	Shield - Grass	1
6	321-4	Screw - Cap Hex. Hd.	2
7	3256-1	Washer - Flat	2
8	3243-13	Screw - Sq. Hd. Set	4
9	75-1560	Deflector - Rear	1
10	3256-49	Washer - Flat	4
11	75-1720	Flap - Rear Shield	2
12	3269-4	Rivet - Pop	4
13	3296-42	Nut - Lock	2
14	10-5120	Housing - Bearing	2
15	254-72	Cup - Bearing	2
16	254-94	Cone - Bearing	2
17	3296-60	Nut - Reel	1
18	10-5080	Cap - End	1
19	12-0460	Plug - Hole	1

Ref. No.	Part No.	Description	No. Used
20	3296-39	Nut - Lock L.H.	2
*	32128-36	Nut - Flange Lock R.H.	2
21	323-2	Screw - Cap Hex. Hd. L.H.	1
22	253-61	Seal - Oil	1
23	10-4930	Bedbar	1
24	63-8610	Bedknife	1
25	57-4910	Screw - Bedknife	7
26	14-0659	Reel - 5 Blade	1
*	14-0649	Reel - 8 Blade	1
27	75-6660	Frame - Cutting Unit	1
28	10-5100	Screw - Special	1
29	75-1400	Reel Motor Assembly	1
30	57-3210	Screw - Special	4
31	3255-9	Washer - E.T.L.W.	4
32	253-96	Seal - Oil	2
33	217-74	Bolt - Bedbar	2
34	302-60	Fitting - Grease L.H. 90°	1
*	302-11	Fitting - Grease R.H. 45°	1

*Not Illustrated



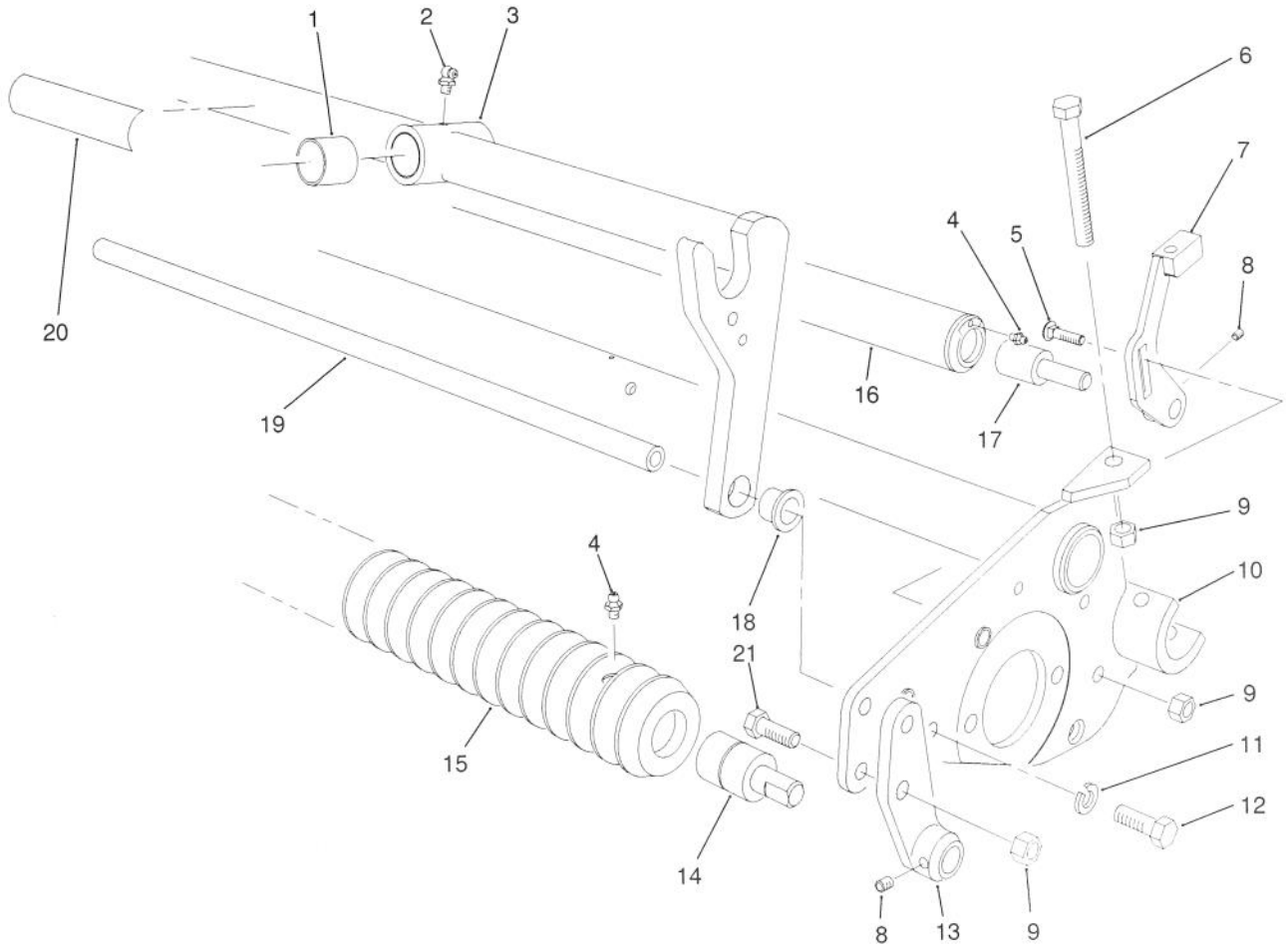
T-1009

REEL MOTOR ASSEMBLY NO. 75-1400

Ref. No.	Part No.	Description	No. Used
1	354-50	Screw-Hex Socket Hd.	4
2	354-51	Washer	4
3	353-599	Pin-Dowel	2
4	354-47	Cover Assy. (Incl. Ref. #5)	1
†5		Bearing-Needle	4
6	354-45	Idler Gear Assembly	1
7	354-49	Drive Shaft Assembly	1
8	354-46	Ring-Seal	1
9	354-48	Plate Assembly-Load	1

Ref. No.	Part No.	Description	No. Used
10	354-44	Body Assy. (Incl. Ref. #5)	1
11		Spacer	1
12		Seal-Shaft	1
13	32151-41	Ring-Retaining	1
*	49-1450	Installer - Seal	1
*	49-1430	Protector - Seal	1
*	72-4380	Seal Kit (Incl. Ref. #11-13)	1
*	75-1270	Repair Kit (Incl. Ref. #8, & 11-13)	1

*Not Illustrated
†Not Serviced Separately



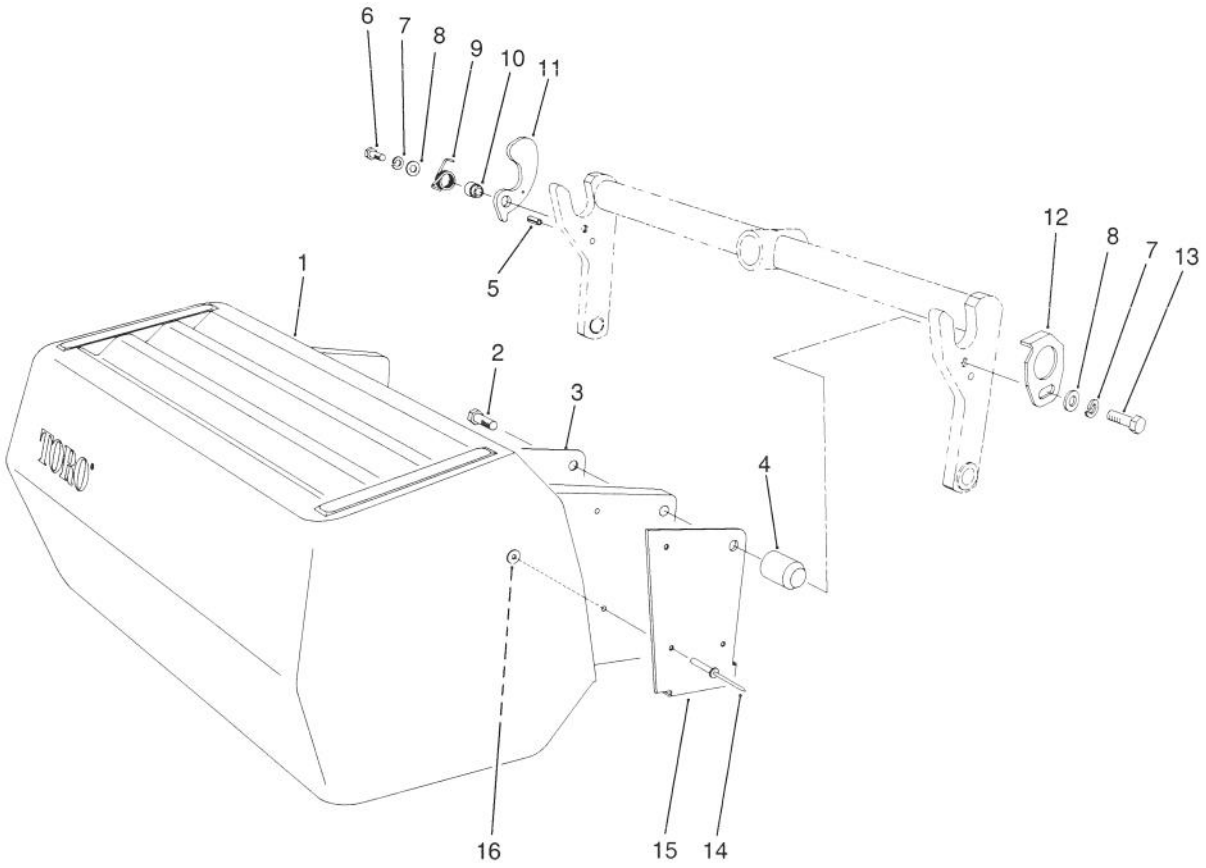
T-1061

CUTTING UNIT ROLLERS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-1750	Bushing - Sleeve	2
2	302-60	Fitting - Grease	1
3	75-1600	Carrier Frame Assembly (Incl. Ref. #1, 2 & 18)	1
4	302-5	Fitting - Grease	4
5	3231-2	Bolt - Carriage	2
6	323-49	Screw - Cap Hex. Hd.	2
7	75-1620	Bracket - HOC Rear L.H.	1
*	75-1610	Bracket - HOC Rear R.H.	1
8	3246-2	Screw - Set	4
9	3296-39	Nut - Lock	8
10	75-6660	Cutting Unit Frame Assy. (Incl. Ref. #11, 12 & 19)	1
11	3253-21	Washer - Lock	2

Ref. No.	Part No.	Description	No. Used
12	323-6	Screw - Cap Hex. Hd.	2
13	75-1980	Bracket - HOC Front L.H.	1
*	75-1960	Bracket - HOC Front R.H.	1
14	75-1290	Bearing Assembly	2
15	75-1520	Wiehle Roller Assembly (Incl. Ref. #4 & 12)	1
16	75-1850	Rear Roller Assembly (Incl. Ref. #4 & 17)	1
17	21-8430	Bearing Assembly	2
18	75-2160	Bearing - Flange	2
19	75-1710	Support - Cutting Unit	1
20	67-7960	Decal - Warning	1
21	323-7	Screw - Cap Hex. Hd.	4

*Not Illustrated



T-1063

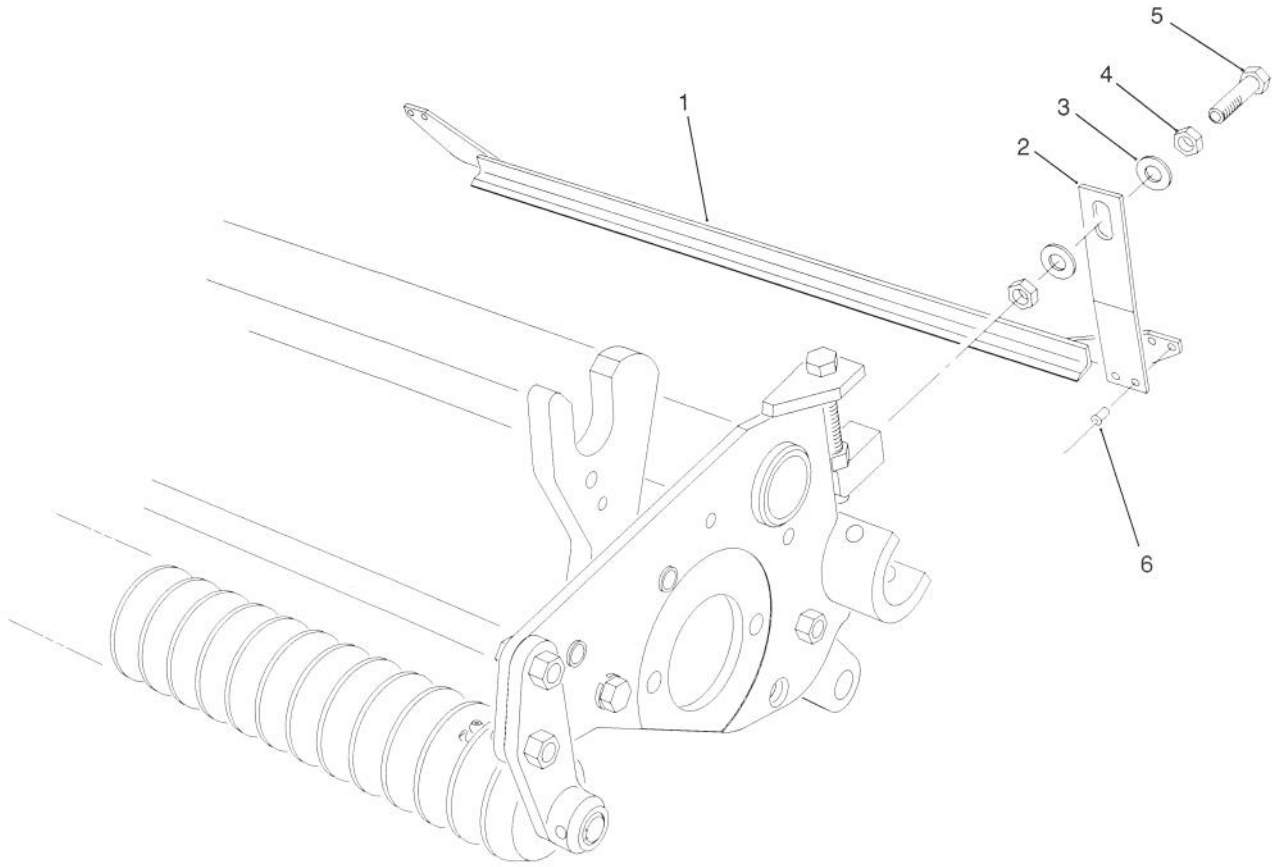
GRASS BASKET ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75-4010	Basket - Grass	1
2	323-6	Screw - Cap Hex. Hd.	2
3	75-4030	Support - Basket Inner L.H.	1
*	75-4020	Support - Basket Inner R.H.	1
4	75-3930	Pin - Basket	2
5	32121-11	Pin - Roll	1
6	322-6	Screw - Cap Hex. Hd.	1
7	3253-4	Washer - Lock	2
8	3256-71	Washer - Flat	2

Ref. No.	Part No.	Description	No. Used
9	75-3970	Spring - Torsion R.H.	1
*	75-3960	Spring - Torsion L.H.	1
10	75-3940	Collar - Basket	1
11	75-3950	Bracket - Basket	1
12	75-3920	Guide - Basket	1
13	322-1	Screw - Cap Hex. Hd.	1
14	3269-28	Rivet - Pop	10
15	75-4040	Support - Basket Outer L.H.	1
*	75-4050	Support - Basket Outer R.H.	1
16	3256-49	Washer - Flat	10

*Not Illustrated

Note: Front left, center, and rear right assemblies shown.



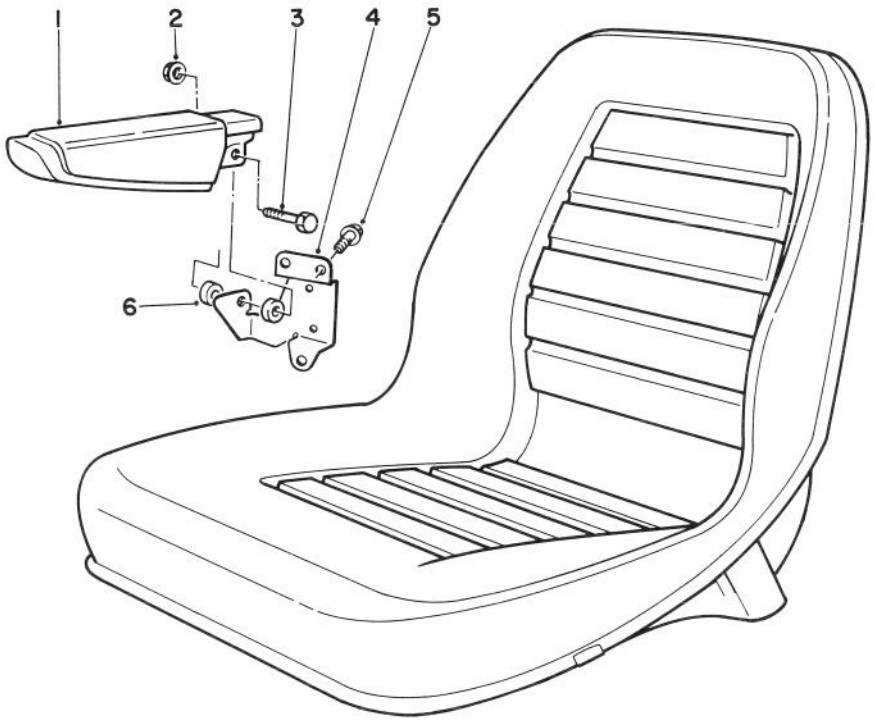
T-1096

ROLLER SCRAPER KIT MODEL NO. 03512 (Optional)

Ref. No.	Part No.	Description	No. Used
1	75-1750	Scraper - Roller	1
2	75-1740	Spring - Scraper	2
3	3256-24	Washer - Flat	4

Ref. No.	Part No.	Description	No. Used
4	3218-3	Nut - Jam	4
5	323-50	Screw - Cap Hex. Hd.	2
6	3269-3	Rivet - Pop	4

NOTE: Quantities listed per cutting unit.
*Not Illustrated

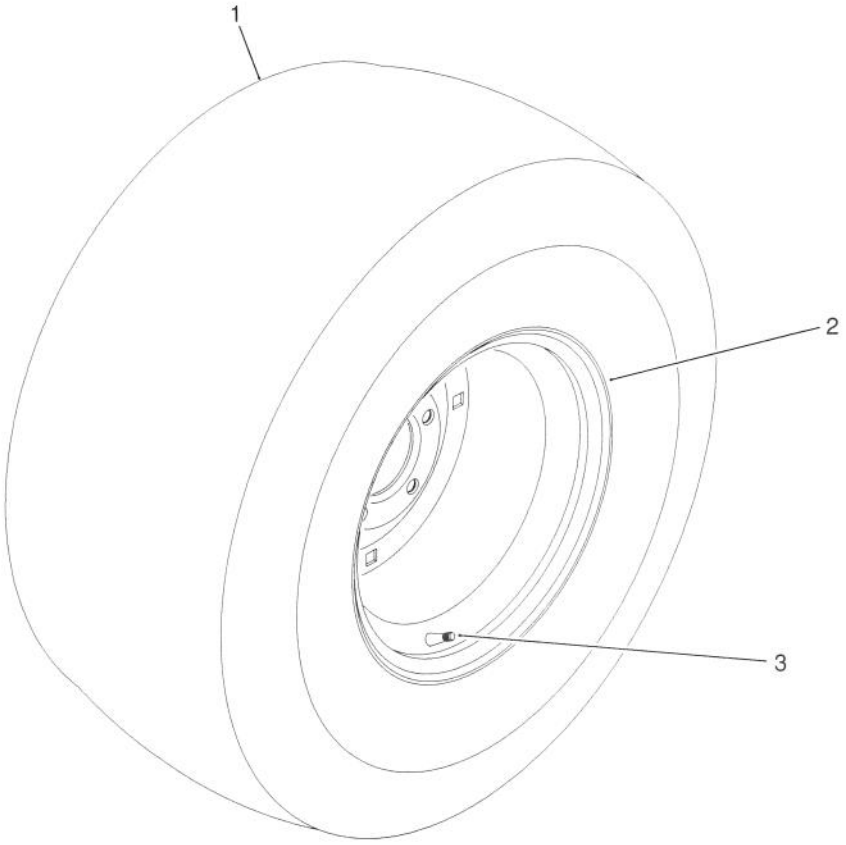


T-0634

ARMREST KIT MODEL NO. 30707 (Optional)

Ref. No.	Part No.	Description	No. Used
1	69-1180	Armrest	2
2	32128-19	Nut - Flange Lock	2
3	323-9	Screw - Cap Hex. Hd.	2
4	69-0770	Bracket - Armrest R.H.	1
*	69-0760	Bracket - Armrest L.H.	1
5	3234-23	Screw - Hex. Flange Hd.	6
6	69-1260	Spacer	4

*Not Illustrated



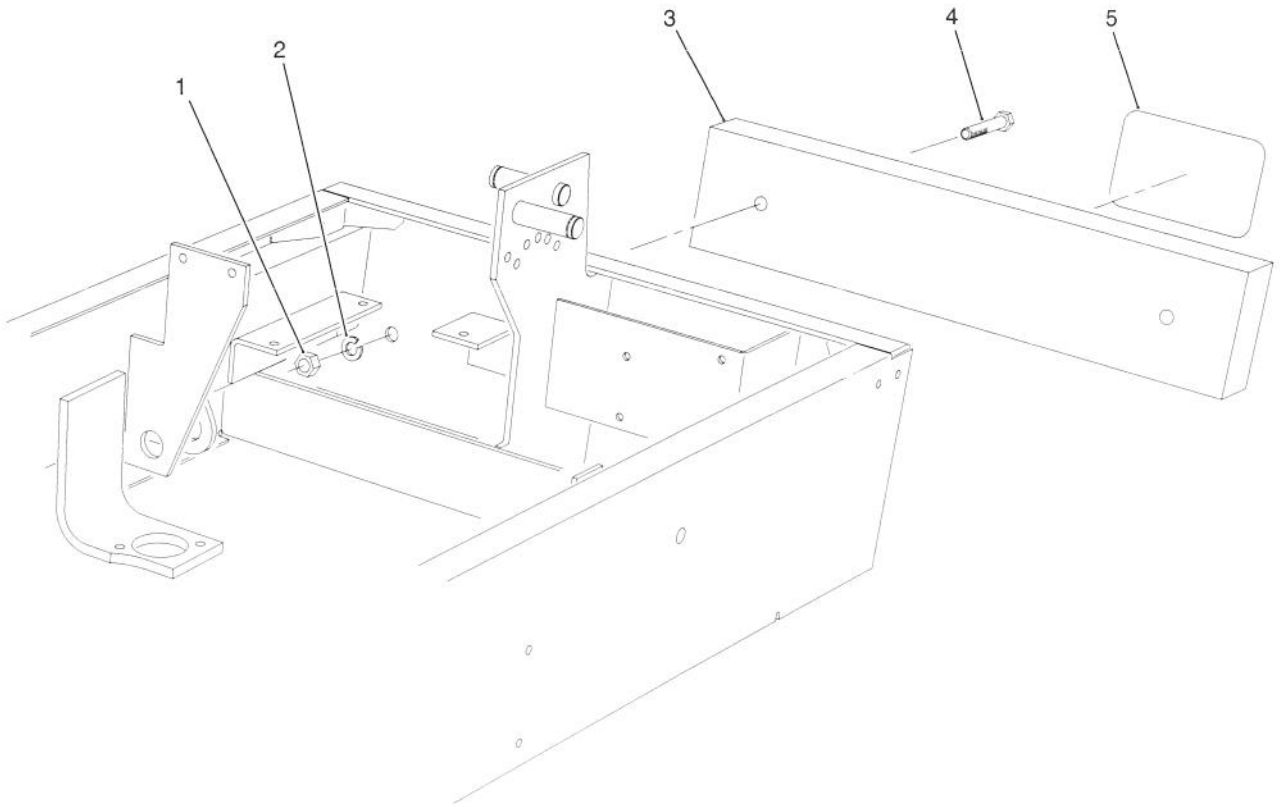
T-1149

FRONT TIRE ASSEMBLY MODEL NO. 03515 (Optional)

Ref. No.	Part No.	Description	No. Used
1	231-134	Tire - Turf	2
*2	217-120	Rim	2

Ref. No.	Part No.	Description	No. Used
*3	232-27	Stem - Valve	2

*Not Included in Model No. 03515, Order Separately



T-1152

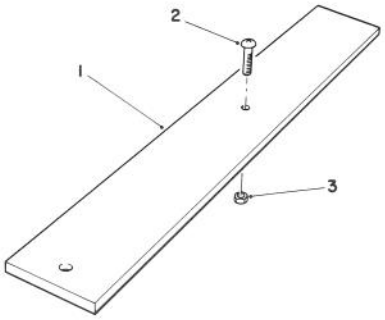
WEIGHT KIT NO. 75-6690 (Optional)

Ref. No.	Part No.	Description	No. Used
1	3217-9	Nut - Hex.	2
2	3253-27	Washer - Lock	2
3	75-6680	Bar - Weight	1

Ref. No.	Part No.	Description	No. Used
4	325-8	Screw - Cap Hex. Hd.	2
5	62-5550	Decal - TORO	1

SPECIAL TOOLS

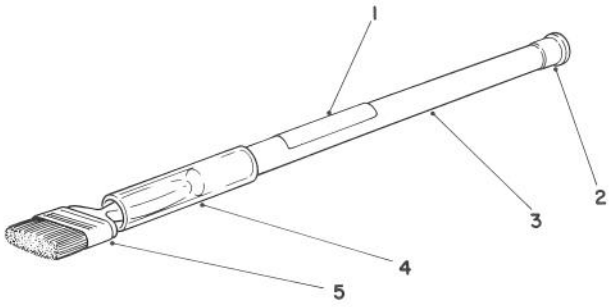
GAUGE BAR ASSEMBLY NO. 13-8199



T-1151

Ref. No.	Part No.	Description	No. Used
1	65-8320	Bar - Height-Of-Cut	1
2	32122-22	Screw - Phillip Hd.	1
3	3219-14	Nut - Hex.	1

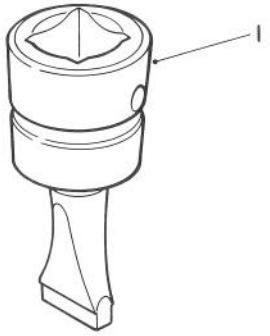
BACKLAPPING BRUSH ASSEMBLY NO. *TOR299100



T-0731

Ref. No.	Part No.	Description	No. Used
1	12-9140	Decal	1
2	2410-18	Plug	1
3	29-9080	Handle	1
4	29-9090	Hose - Handle	1
5	36-4310	Brush	1

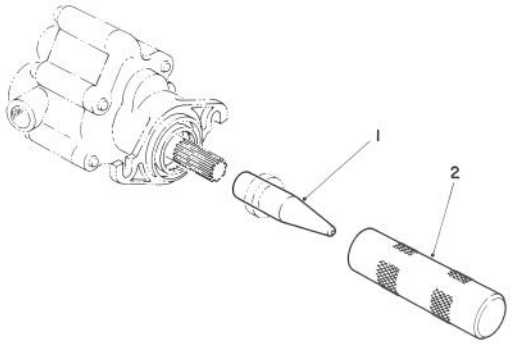
BEDKNIFE SCREW TOOL NO. *TOR510880



T-0729

Ref. No.	Part No.	Description	No. Used
1		Tool - Bedknife Screw	1

HYDRAULIC MOTOR TOOLS



T-0727

Ref. No.	Part No.	Description	No. Used
1	*TOR491430	Protector - Seal	1
2	*TOR491450	Installer - Seal	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.

INDEX

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	6–7
Seat Suspension Assembly	8
Electrical Schematic	9
Control Console Assembly	10–11
Hydraulic Schematic	12
Hydraulic Reservoir Assembly	13–14
Hydraulic Control Manifold Assembly	15–16
Control Manifold Assembly	17
Front Hydraulic Manifolds	18
Rear Hydraulic Manifolds	19
Cutting Unit Hydraulic Components	20
Fuel Tank Assembly	21
Front Axle & Transmission Assembly	22–23
Front Axle Assembly No. 75–0700	24–25
Brake Assembly	26
Transmission Assembly No. 75–0010	27–28
Traction Control Assembly	29
Gear Pump Installation Assembly	30
Hydraulic Pump Assembly No. 75–0800	31
Radiator Assembly	32–33
Muffler & Pump Drive Assembly	34
Engine Installation Assembly	35–36
Valves & Crankshaft Assembly	37–38
Crankcase Assembly	39

Description	Page
Camshaft Assembly	40
Cylinder Head Assembly	41–42
Water Pump Assembly	43
Fuel Supply & Engine Block Assembly	44–45
Fuel Injection Pump Assembly	46–47
Governor Assembly	48
Starter Assembly	49
Alternator Assembly	50
Engine Components Assembly	51
Air Cleaner Assembly	52
Fuel Filter Assembly	53
Rear Axle Assembly	54–55
Hydraulic Cylinder No. 75–1200	56
Front Lift Arms Assembly	57–58
Rear Lift Arms Assembly	59–60
Hydraulic Cylinder No. 75–0780	61
Hydraulic Cylinder No. 75–0770	62
Cutting Unit Reel Assembly	63
Reel Motor Assembly No. 75–1400	64
Cutting Unit Rollers Assembly	65
Grass Basket Assembly	66
Roller Scraper Kit Model No. 03512 (Optional)	67
Armrest Kit Model No. 30707 (Optional)	68
Front Tire Assembly Model No. 03515 (Optional)	69
Rear Weight Kit No. 75–6690 (Optional)	70
Special Tools	71

PRODUCT CHANGES

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

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Reelmaster® 223D 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 223D, 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 223D.
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.

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