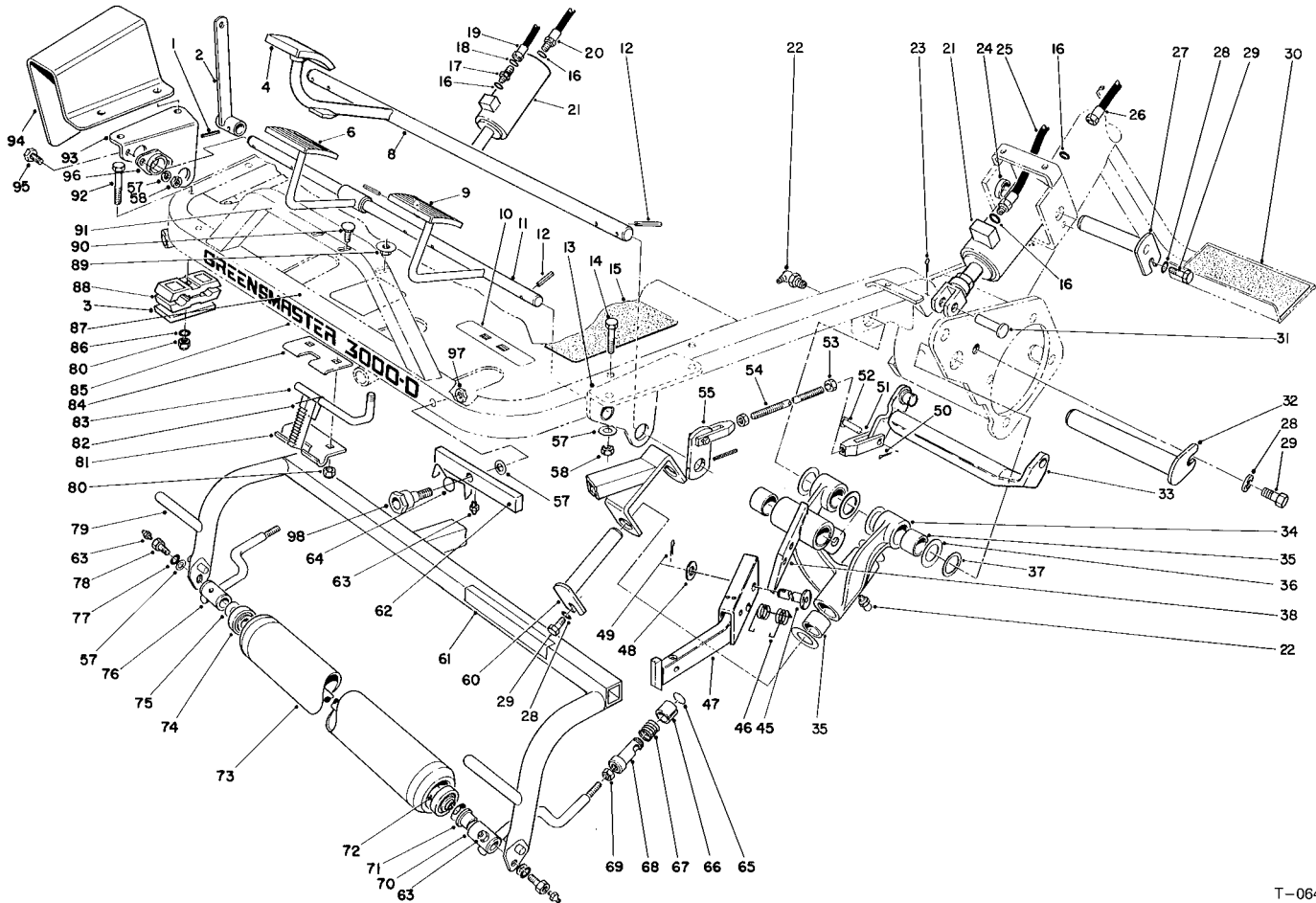


TORO®

MODEL NO. 04375-40001 & UP

**PARTS
CATALOG**

GREENSMASTER® 3000-D TRACTION UNIT

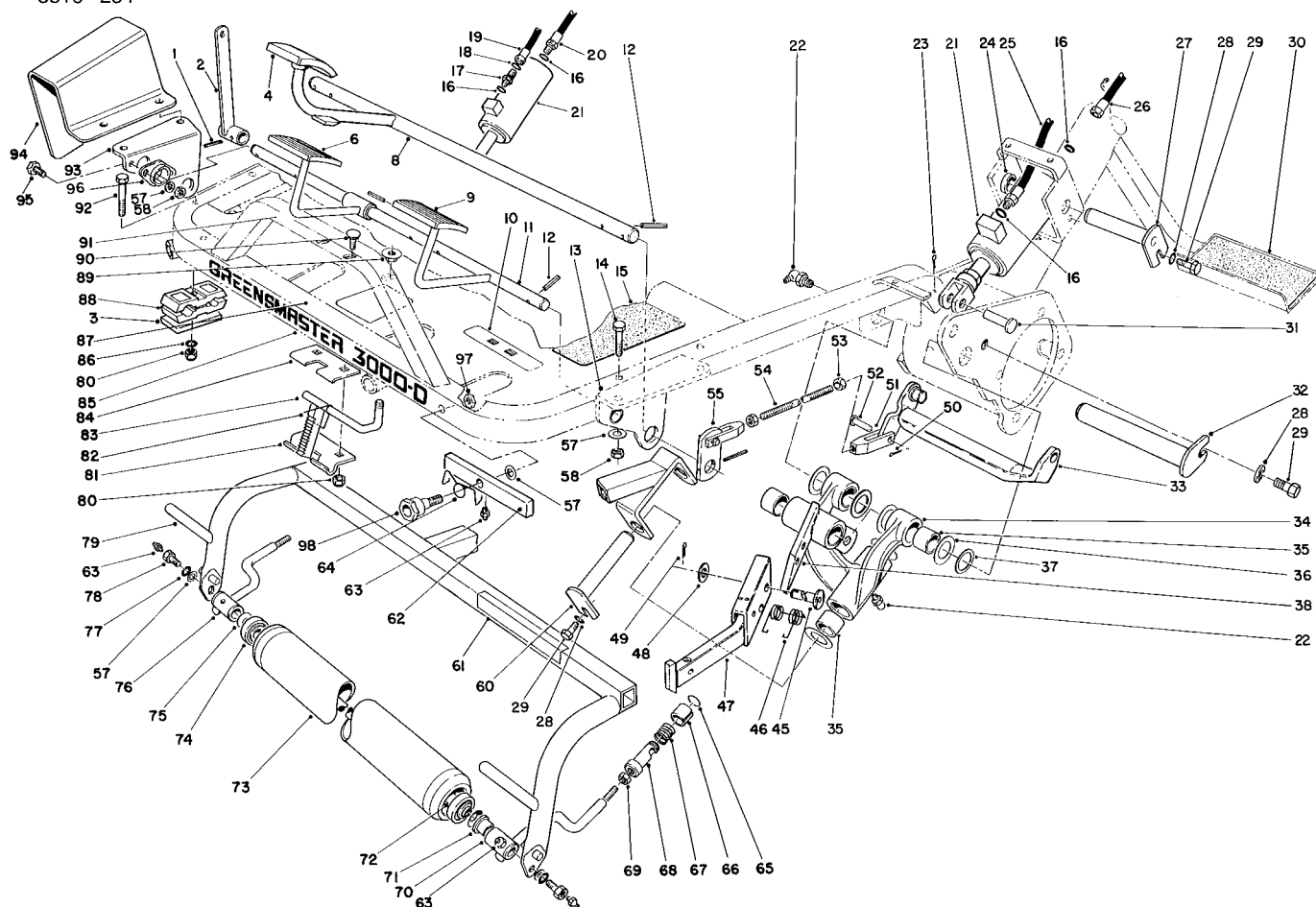


T-0642A

FOOT PEDALS & ROLLER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32121-6	Pin - Roll	1
2	49-6200	Lever - Cutting Control	1
3	69-9760	Plate - Cover	1
4	49-6170	Foot Pad - Brake	1
6	10-8250	Foot Pad - Mow	1
8	83-0160	Brake Shaft	1
9	10-8240	Foot Pad - Lift	1
10	51-0050	Decal - Mow/Lift	1
11	88-9660	Shaft - Cutting Control	1
12	32121-35	Pin - Roll	8
13	88-9640	Lift Pivot Bracket - LH	1
14	323-10	Screw - Cap, Hex Hd.	4
15	49-6120	Pad - Footrest	1
16	237-78	O-Ring	4
17	340-92	Fitting - Straight (Incl. Ref. #16 & 18)	1

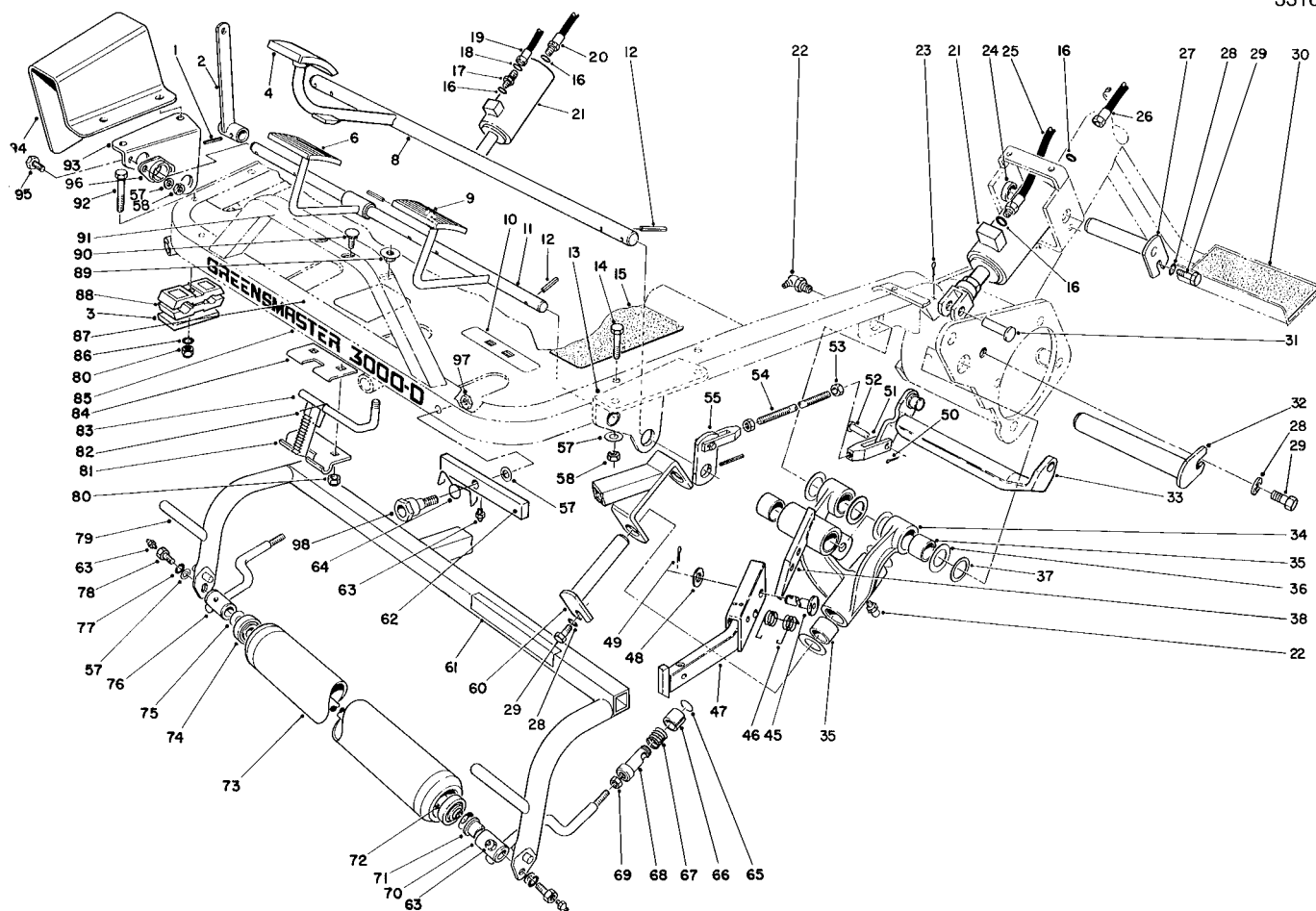
Ref. No.	Part No.	Description	No. Used
18	237-21	O-Ring	1
19	63-3950	Hose - Hydraulic	1
20	88-9700	Hose - Hydraulic	1
21	84-8290	Hydraulic Cylinder Assy.	2
22	302-60	Fitting - Grease	4
23	3272-11	Pin - Cotter	2
24	74-3730	Spacer - Cylinder	2
25	63-3850	Hose - Cylinder	1
26	63-3890	Hose - Cylinder	1
27	10-6060	Pin - Cylinder, Pivot	2
28	3253-4	Washer - Lock	5
29	322-1	Screw - Cap, Hex. Hd.	5
30	62-2660	Pad - Step	1
31	283-8	Pin - Clevis	2
32	10-6110	Pin - Hinge	2
33	71-1510	Arm - Brake	1



T-0642A

FOOT PEDALS AND ROLLER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
34	10-7820	Pivot Hinge Assembly (Incl. Ref. #35)	1	66		Sleeve	6
35	3-0348	Bushing - Sleeve	6	67		Spring	6
36	10-8110	Washer - Thrust	6	68	8-7710	Ball Joint Receiver Assy. (Incl. Ref. #65-67)	6
37	5-1226	Washer - Shim	2	69	3220-3	Nut - Jam	6
38	62-2460	Lift Arm Assembly - LH (Incl. Ref. #35)	1	70	92-0586	Pull Arm Assembly - LH (Incl. Ref. #71)	3
45	63-8750	Pin - Pivot	1	71	3-1506	Bushing - Flange	12
46	57-7650	Spring - Torsion	1	72	21-8470	Shaft - Yoke, Roller	3
47	62-2390	Bar - Lift, LH	1	73	52-2720	Roller Assembly (Incl. Ref. #74)	3
48	3256-26	Washer - Flat	2	74	251-141	Bearing - Ball	6
49	3272-12	Pin - Cotter	1	75	3290-317	Washer - Spring	6
50	3272-6	Pin - Cotter	4	76	92-0585	Pull Arm Assembly - RH (Incl. Ref. #71)	3
51	282-2	Yoke	4	77	3253-21	Washer - Lock	8
52	283-1	Pin - Clevis	4	78	11-0160	Screw Assy. - Shaft, Roller (Incl. Ref. #63)	6
53	3220-2	Nut - Jam	4	79	86-9810	Frame - Pull, LH	1
54	27-2270	Rod - Adjustment, Brake	2	80	3296-16	Nut - Lock	3
55	10-8100	Strap - Shaft, Brake	2	81	10-7890	Hinge - Lower, Park Brake	1
57	3256-24	Washer - Flat	15	82	10-8140	Spring - Latch, Brake	1
58	3296-59	Nut - Lock	8	83	10-7850	Latch - Brake, Parking	1
60	10-6090	Pin - Pivot	1	84	10-7880	Hinge - Upper, Park. Brake	1
61	62-5070	Decal - Danger	1	85	88-9720	Decal - GR 3000D	1
62	83-0060	Pivot - Lift	1	86	3253-3	Washer - Lock	1
63	302-5	Fitting - Grease	13				
64	83-0080	Spring - Torsion	1				
65		Ring - Retaining	6				

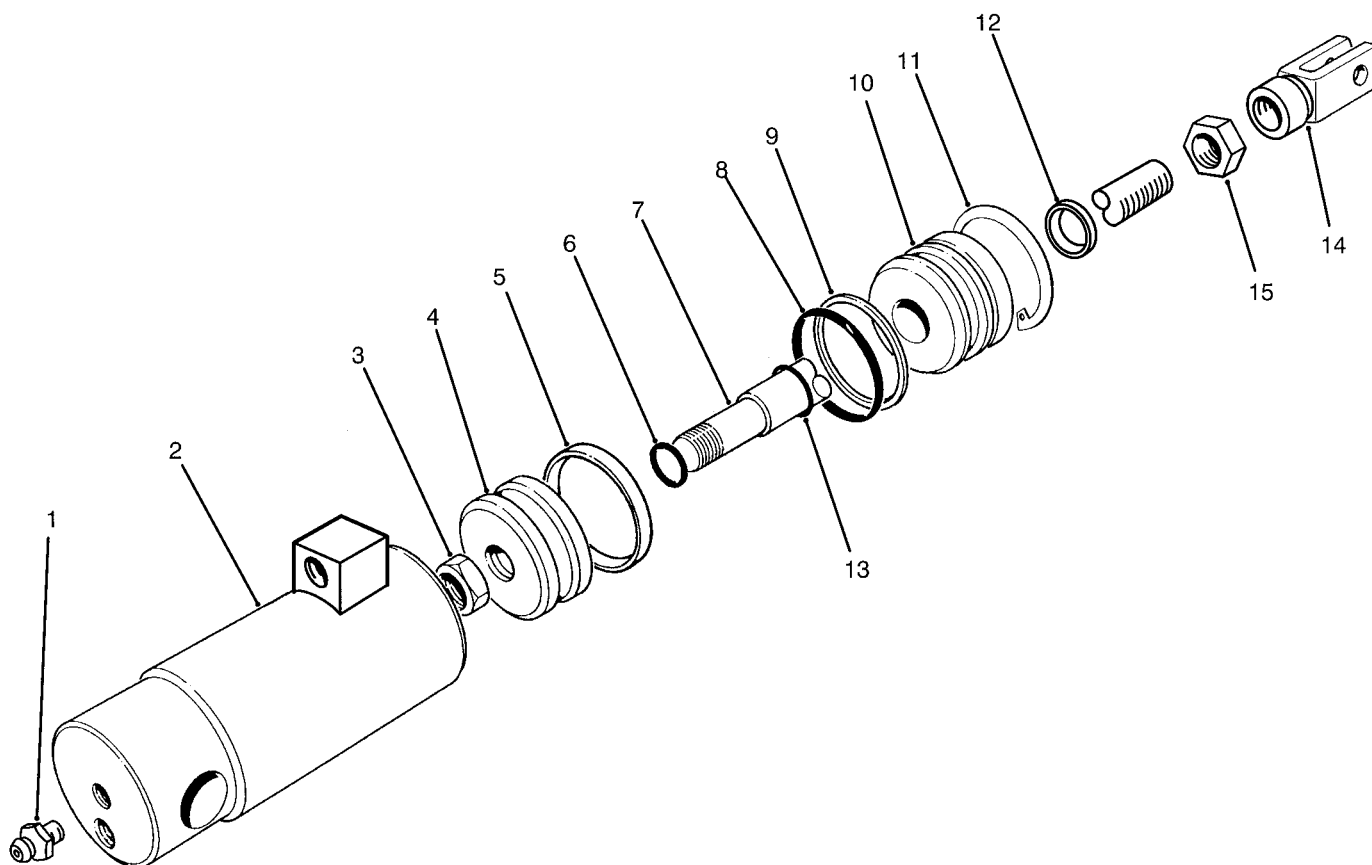


T-0642A

FOOT PEDALS AND ROLLER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
87	27-2830	Decal - Brake, Parking	1
88	56-7970	Clamp - Tube	2
89	32141-111	Nut - Lock, Flange Hd.	1
90	3229-22	Bolt - Carriage	2
91	83-0140	Pedal - Foot	1
92	321-9	Screw - Cap, Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
93	88-9630	Bracket - Lift, Pivot RH	1
94	49-6110	Guard - Rod, Transfer	1
95	3234-1	Screw - Hex. Flange Hd.	4
96	27-2320	Bearing - Side Flange	2
97	3290-357	Nut - Lock	1
98	83-2590	Bolt - Shoulder	1



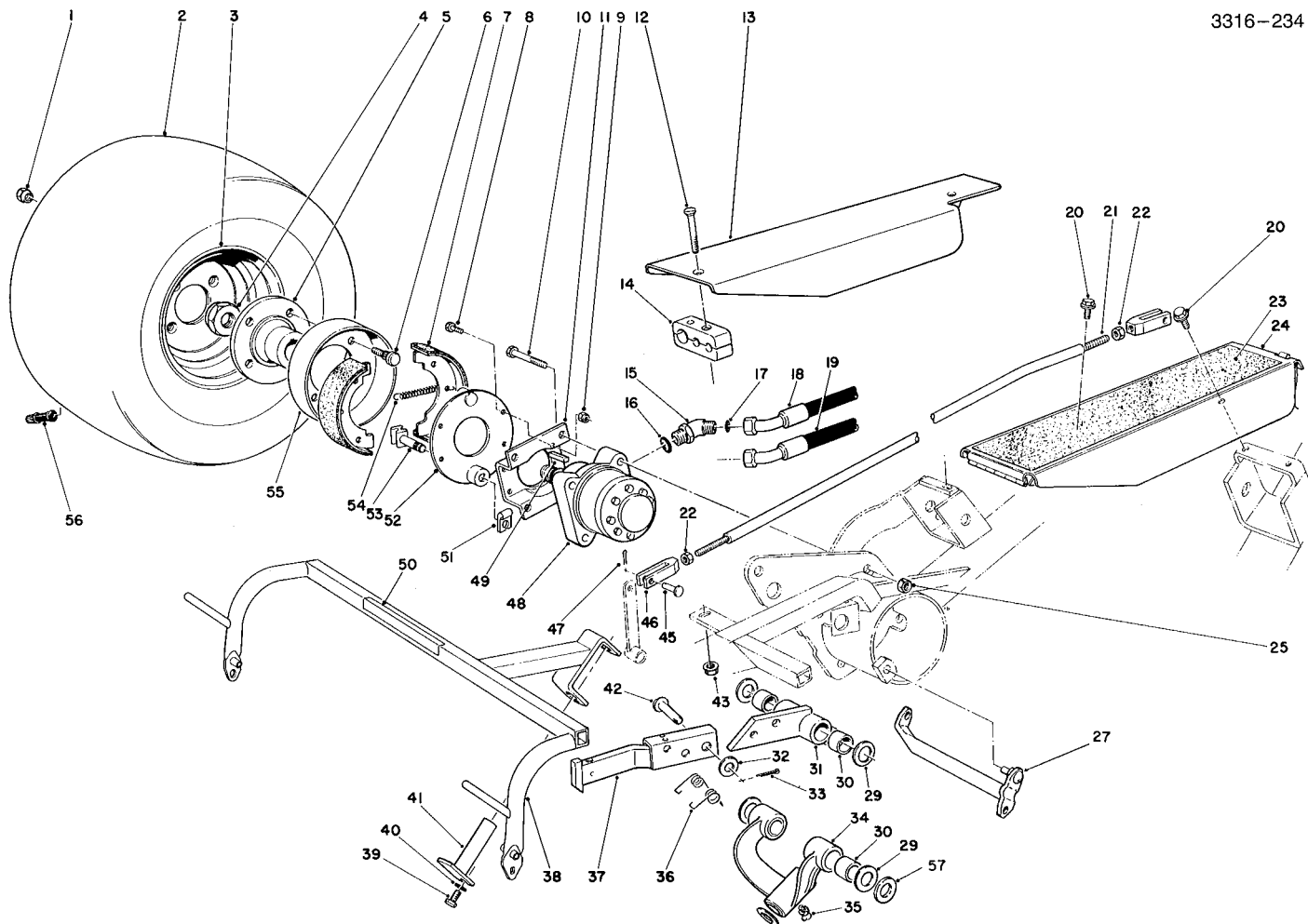
T-1373

FRONT HYDRAULIC CYLINDER NO. 84-8290

Ref. No.	Part No.	Description	No. Used
1	302-2	Fitting - Grease	2
2		Barrel Assembly	1
3	32152-10	Nut-Lock	1
4	52-1990	Piston	1
5		Uniring	1
		O-Ring	1
7	76-1860	Shaft	1
8		O-Ring	1
9		Washer - Backup	1

Ref. No.	Part No.	Description	No. Used
10	65-4860	Head	1
11	32120-8	Ring - Retaining, Internal	1
12		Dust Seal	1
13		Seal	1
14	76-1850	Clevis	1
15	3220-6	Nut - Jam	1
*	86-5390	Seal Repair Kit (Incl. Ref.#5, 6, 8, 9 & 12-13)	1

*Not Illustrated



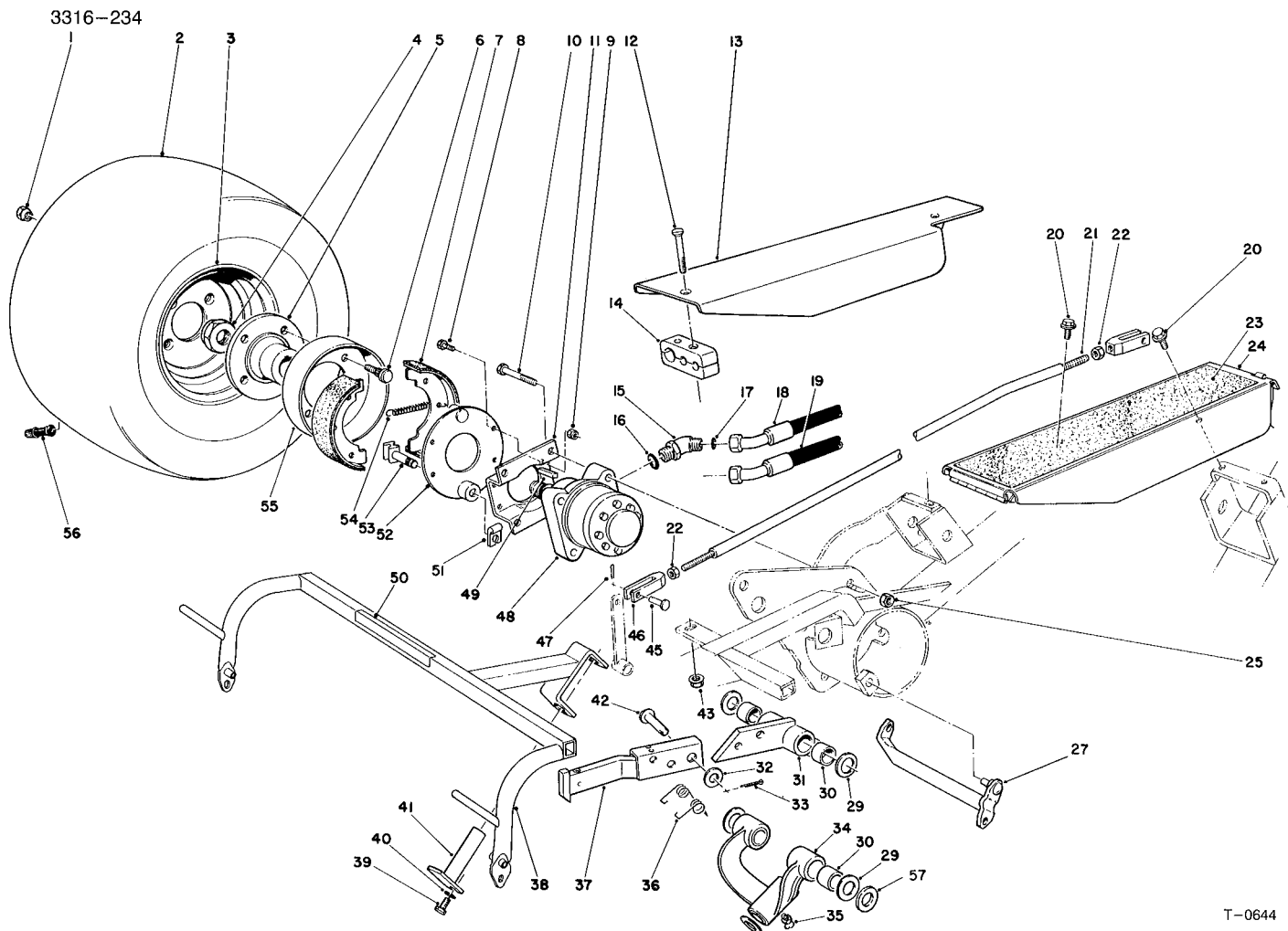
T-0644

WHEEL AND BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	242-50	Nut - Wheel	8
2	28-3680	Tire	2
*	231-124	Tire - Treaded (Optional)	2
*	232-37	Tube - Inner (Optional)	2
*	62-2580	Spacer (Optional) (For use with 231-124)	2
3	217-60	Rim	2
4	26-3790	Nut - Lock	2
5	10-6870	Hub - Wheel	2
6	85-6540	Stud - Drive Type	8
7	70-9840	Shoe & Lining Assembly	4
8	321-5	Screw - Cap, Hex. Hd.	8
9	3296-16	Nut - Lock	8
10	325-11	Screw - Cap, Hex. Hd.	8
11	84-2000	Bracket - Brake	4
12	32108-100	Screw - Flat Head	3
13	49-5450	Plate - Cover	1
14	57-6140	Clamp - Tube, Side	4
15	340-14	Fitting - Hydraulic (Incl. Ref. #16 & 17)	4
16	237-80	O-Ring	4
17	237-65	O-Ring	4
18	70-8600	Hose - Hyd. Upper, RH	1
*	70-8610	Hose - Hyd. Upper, LH	1
19	83-2460	Hose - Hyd. Lower, RH	1
*	70-7150	Hose - Hyd. Lower, LH	1

Ref. No.	Part No.	Description	No. Used
20	3234-13	Screw - Hex. Flange Hd.	4
21	49-5430	Rod - Control	1
22	3220-2	Nut - Jam	2
23	10-8220	Pad - Tool Box	1
24	49-5410	Box - Tool	1
25	3296-23	Nut - Lock	8
27	71-1510	Lever - Brake	1
29	10-8110	Washer - Thrust	6
30	3-0348	Bushing - Sleeve	6
31	62-2440	Lift Arm Assembly RH (Incl. Ref. #30)	1
32	3256-26	Washer - Flat	1
33	3272-12	Pin - Cotter	1
34	10-7820	Pivot Hinge Assembly	1
35	302-60	Fitting - Grease	1
36	57-7650	Spring - Torsion	1
37	62-2420	Bar - RH Arm, Lift	1
38	86-9820	Frame - Pull, RH	1
39	322-1	Screw - Cap, Hex. Hd.	1
40	3253-4	Washer - Lock	1
41	10-6090	Pin - Pivot	1
42	63-8750	Pin - Pivot	1
43	3296-16	Nut - Lock	3
45	283-1	Pin - Clevis	2
46	282-2	Yoke	2
47	3272-6	Pin - Cotter	2

*Not Illustrated

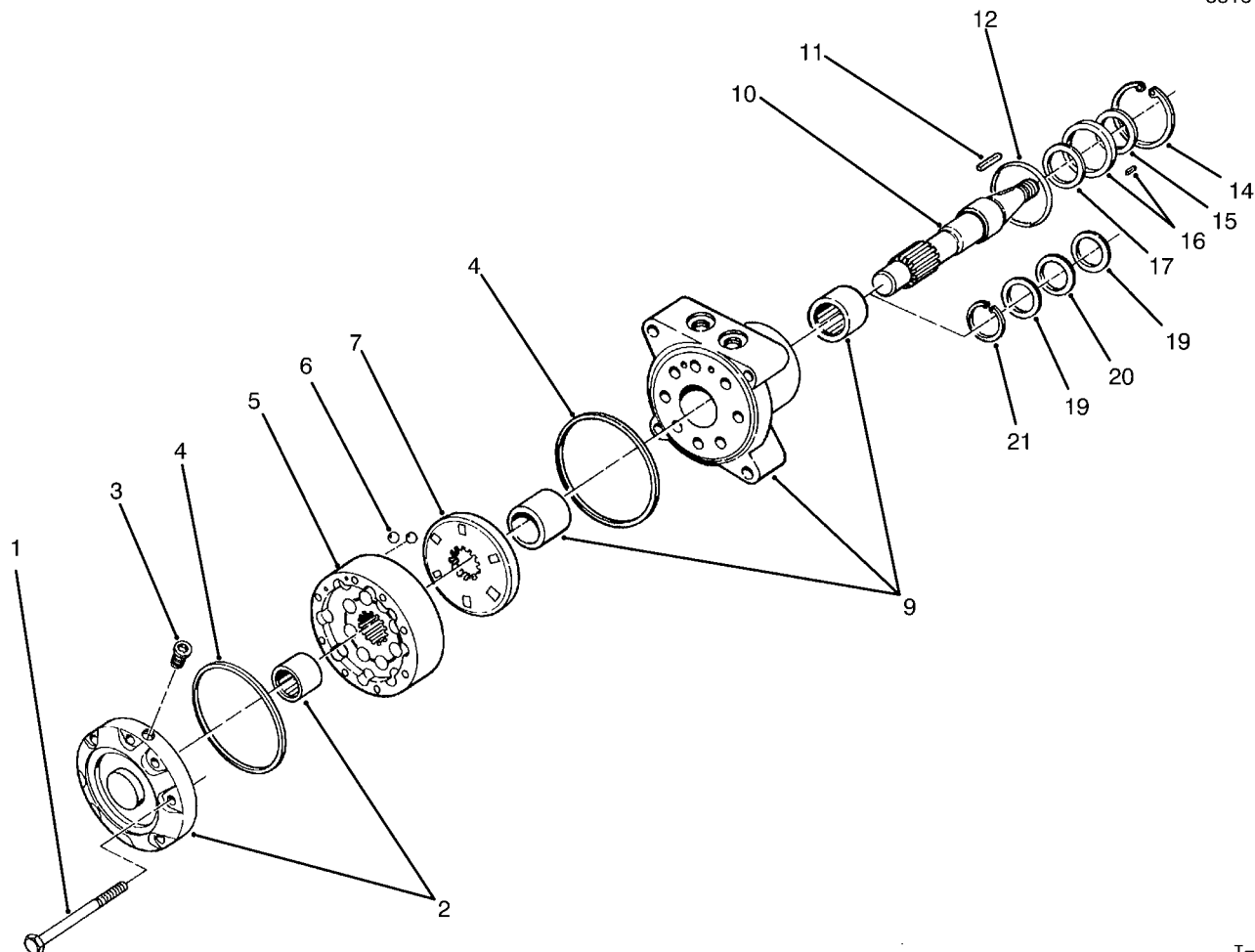


T-0644

WHEEL AND BRAKE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	66-5292	Motor - Hydraulic (Incl. Ref. #49)	2
49	65-4640	Key - Square	2
50	62-5070	Decal - Danger	1
51	70-9850	Clip	2
52	70-9870	Plate - Support, Brake	2

Ref. No.	Part No.	Description	No. Used
53	70-9860	Cam - Brake	2
54	70-9880	Spring - Extension	4
55	10-6820	Brake Drum Assembly (Incl. Ref. #5 & 6)	2
56	232-24	Valve Stem & Cap	2
57	5-1226	Washer - Shim	2



T-0274

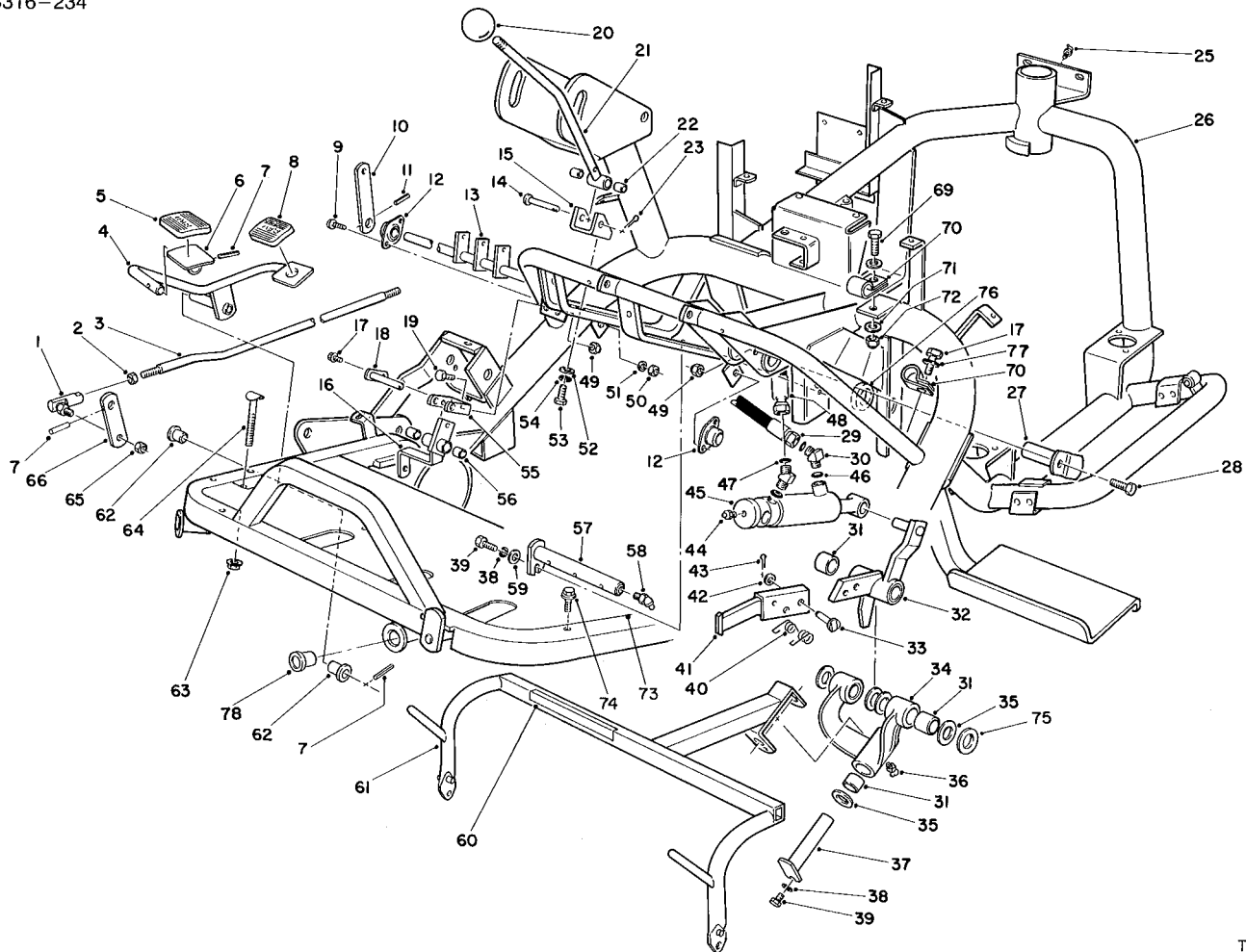
HYDRAULIC DRIVE MOTOR NO. 66-5292

Ref. No.	Part No.	Description	No. Used
1	70-8160	Screw - Cap, Hex. Hd.	8
2		Cover & Bearing Assembly	1
3	65-4560	Plug - Hex. (Hollow)	1
4	65-4570	Seal - Square Ring	2
5	70-8180	IGR Assembly	1
6	65-4550	Valve - Ball, Check	2
7	70-8150	Plate - Valve	1
9	70-8140	Body & Bearing Assembly (Incl. Ref. #2)	1
10	70-8190	Shaft	1
11	65-4640	Key - Square	1
12	65-4620	O-Ring	1

Ref. No.	Part No.	Description	No. Used
13	65-4650	Nut - Slotted	1
14	65-4500	Seal - Snap Ring	1
†15		Seal - Dust	1
†16		Retainer - Pin	1
†17		Seal - Lip	1
*	65-4690	Seal/Retainer Assembly (Incl. Ref. #15-17)	1
19	65-4600	Washer - Thrust	2
20	65-4610	Bearing - Thrust	1
21	70-8170	Ring - Snap	1
*	65-4700	Body Seal Kit (Incl. Ref. #4, 12 & 15-17)	1

*Not Illustrated

†Not available from Toro as a replacement part.

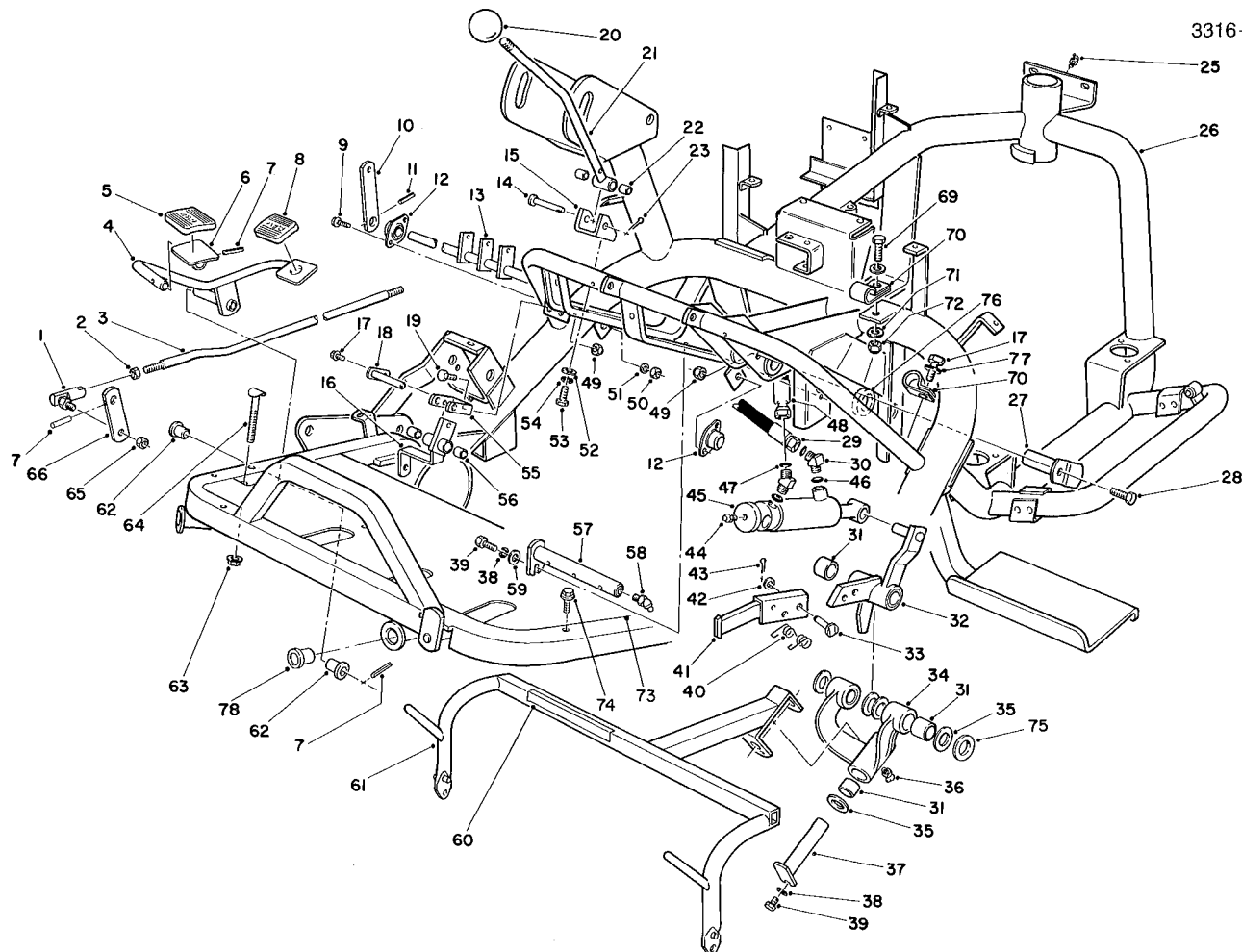


T-0641

FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2411-32	Joint - Ball	2
2	3220-2	Nut - Jam	2
3	49-6320	Rod - Control, Traction	1
4	83-0540	Pedal - Traction	1
5	49-6470	Pad - Pedal Forward	1
6	49-6440	Pedal - Accelerator	1
7	32121-45	Pin - Roll	2
8	49-6430	Pad - Pedal Reverse	1
9	3234-1	Screw - Hex. Flange Hd.	4
10	47-5320	Lever - Cutting Control	1
11	32121-6	Pin - Roll	1
12	27-2320	Bearing - Side Flange	2
13	44-0870	Camshaft - Rear	1
14	283-57	Pin - Clevis	1
15	49-6220	Bracket - Control Arm	1
16	49-6260	Traction Pivot Tube Assy. (Incl. Ref. #56)	1
17	12-3270	Screw - Hex. Flange Hd.	2
18	49-6290	Shaft - Pivot, Traction	1
19	322-5	Screw - Cap, Hex. Hd.	1
20	233-48	Knob	1
21	68-5930	Handle - Traction (Incl. Ref. #22)	1
22	256-251	Bushing	2
23	3272-4	Pin - Cotter	1
25	302-5	Fitting - Grease	1

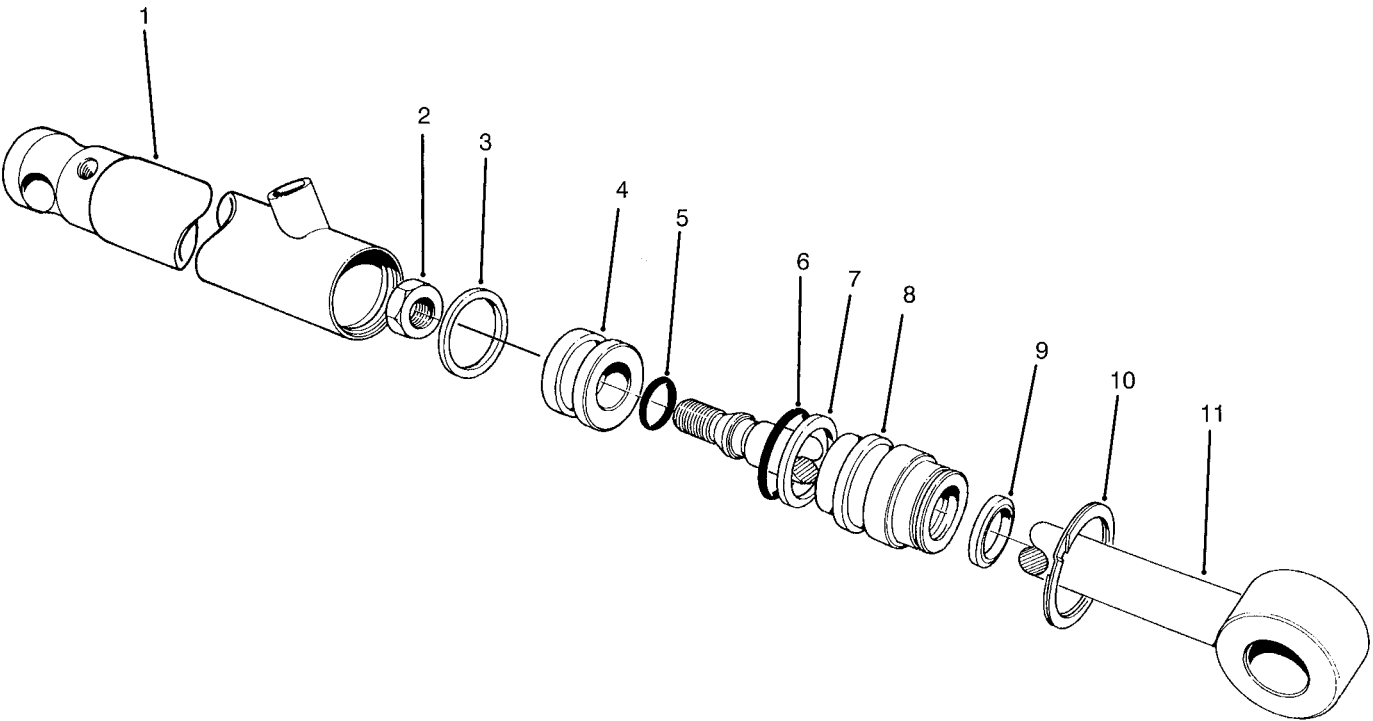
Ref. No.	Part No.	Description	No. Used
26	92-1193	Frame (Incl. Ref. #25 & 62)	1
27	68-5560	Pin - Cylinder	1
28	322-3	Screw - Cap, Hex. Hd.	1
29	58-5830	Hose - Hydraulic	1
30	340-103	Fitting - Hydraulic (Incl. Ref. #46 & 47)	2
31	3-0348	Bushing - Sleeve	6
32	68-5380	Center Lift Arm Assembly (Incl. Ref. #31)	1
33	63-8750	Pin - Pivot	1
34	10-7820	Pivot Hinge Assembly	1
35	10-8110	Washer - Thrust	6
36	302-60	Fitting - Grease	1
37	10-6090	Pin - Pivot	1
38	3253-4	Washer - Lock	2
39	322-1	Screw - Cap, Hex. Hd.	2
40	57-7650	Spring - Torsion	1
41	62-2420	Bar - Arm, Lift	1
42	3256-26	Washer - Flat	1
43	3272-11	Pin - Cotter	1
44	302-2	Fitting - Grease	1
45	83-7230	Cylinder - Lift, Rear	1
46	237-78	O-Ring	2
47	237-35	O-Ring	2
48	88-9700	Hose - Hydraulic	1



T-0641

FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
49	3296-29	Nut - Lock	2	63	32128-20	Nut - Lock, Flange	1
50	3296-59	Nut - Lock	4	64	17-9420	Screw - Stop, Accelerator	1
51	3256-24	Washer - Flat	4	65	3296-4	Nut - Lock	2
52	3256-3	Washer - Flat	2	66	92-1194	Plate - Traction Pivot	1
53	3211-1	Screw - Cap, Hex. Hd.	2	69	321-3	Screw - Cap, Hex. Hd.	1
54	3254-6	Washer - Lock	2	70	2412-41	Clamp - R	2
55	49-6250	Bracket - Pivot, Traction	1	71	3256-1	Washer - Flat	2
56	256-2	Bushing - Sleeve	2	72	3296-16	Nut - Lock	1
57	27-2550	Pin - Hinge	1	73	88-6900	Plate - Footrest	1
58	302-11	Fitting - Grease	1	74	32144-14	Screw - Hex. Flange Hd.	7
59	3256-23	Washer - Flat	1	75	5-1228	Washer - Shim	2
60	62-5070	Decal - Danger	1	76	27-2540	Spacer - Hub	1
61	86-9820	Frame - Pull, Rear	1	77	3256-22	Washer - Flat	1
62	256-219	Bushing - Flange	2	78	83-1700	Bushing - Flange	3



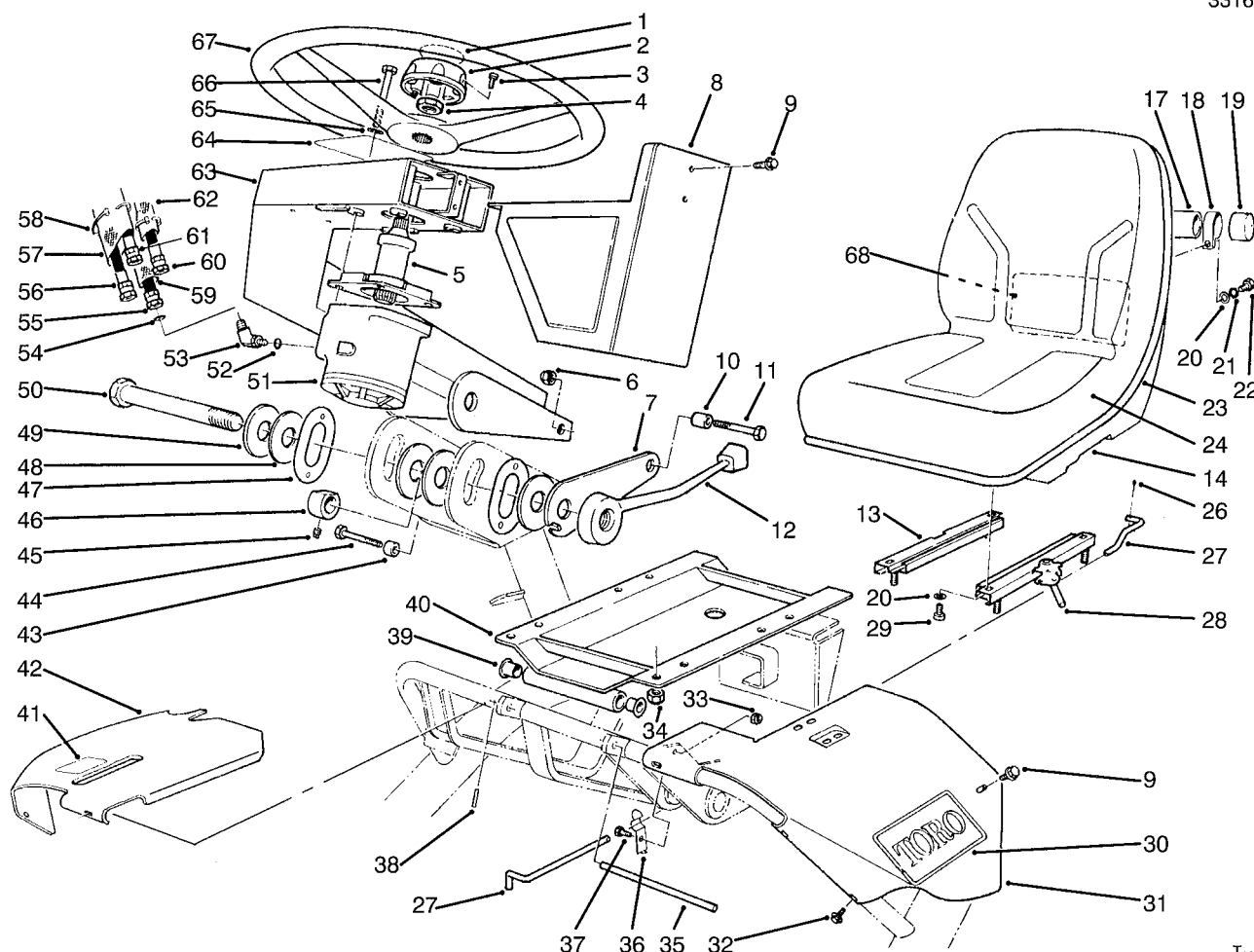
T-0640

REAR HYDRAULIC CYLINDER NO. 83-7230

Ref. No.	Part No.	Description	No. Used
1	70-8130	Barrel	1
2	32152-10	Nut	2
3		Uniring	1
4	70-2780	Piston	1
5		O-Ring	1
6		O-Ring	1
7		Back-up	1

Ref. No.	Part No.	Description	No. Used
8	70-2770	Head	
9		Seal - Dust	1
10	43-5220	Ring - Retaining	1
11	43-5230	Shaft/Clevis	1
*	86-5360	Seal Repair Kit (Incl. Ref. #3, 5-7 & 9)	1

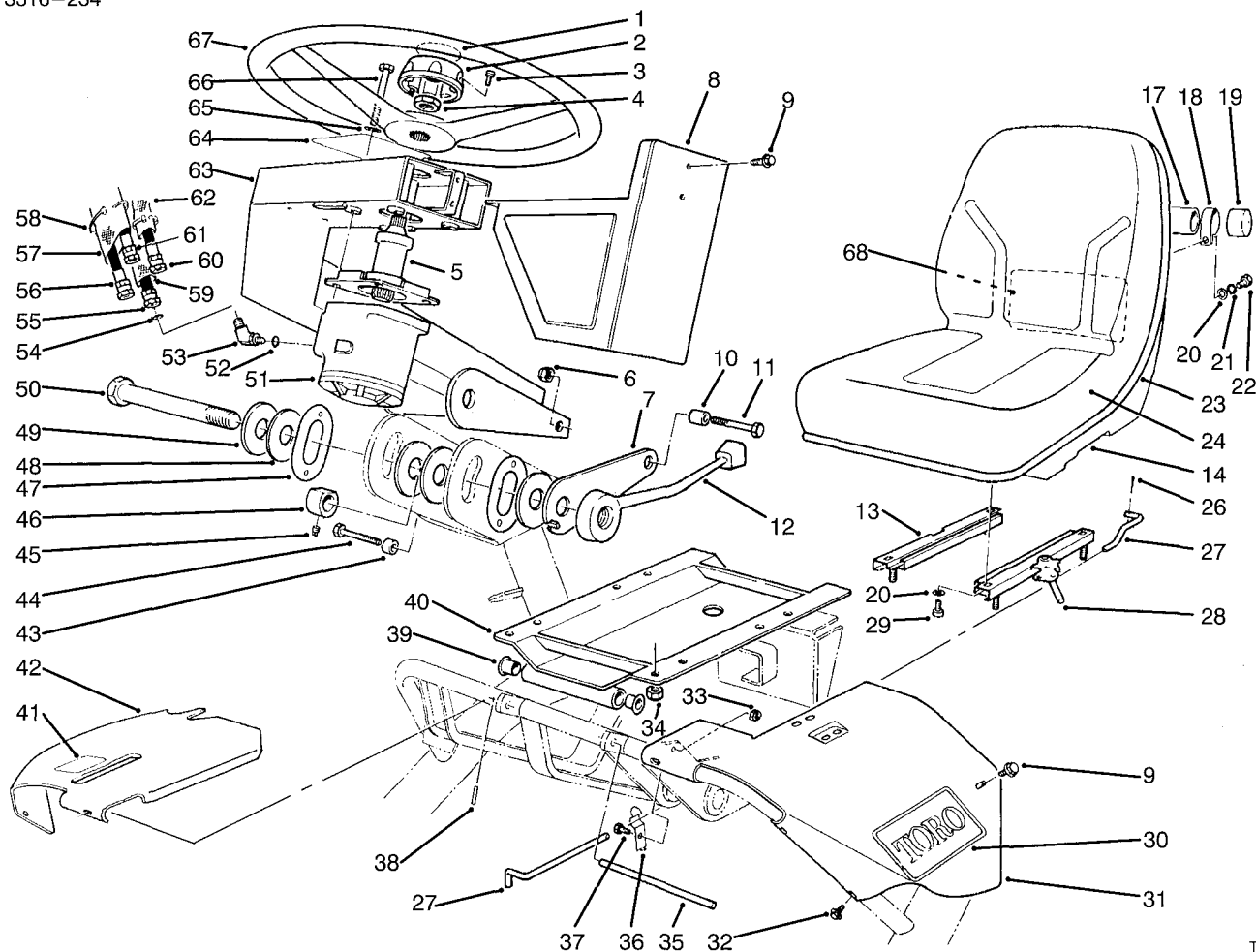
*Not Illustrated



T-1767

STEERING & SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	68-5370	Decal - Steering Wheel	1	28	51-0790	Adjuster - Seat	1
2	68-5140	Cap - Steering Wheel (Incl. Ref. #3)	1	29	3274-12	Screw - Cap, Hex. Hd.	4
3	32144-21	Screw - Fillister Head	1	30	62-5550	Decal - TORO	2
4	47-6990	Nut - Lock	1	31	68-4690	Shield - Valve Cover, LH	1
5	68-5170	Column - Steering	1	32	32104-76	Screw - Self Tapping	5
6	3296-25	Nut - Lock	2	33	3296-16	Nut - Lock	1
7	68-5480	Plate - Arm, Steering	1	34	3296-29	Nut - Lock	4
8	68-5120	Cover - Valve, Steering	1	35	49-5880	Shaft - Support, Seat	1
9	12-3270	Screw - Thread Forming	7	36	68-5310	Clip - Seat	1
10	68-5450	Spacer - Arm, Pivot LH	1	37	321-3	Screw - Cap, Hex. Hd.	1
11	325-8	Screw - Cap, Hex. Hd.	1	38	32121-45	Pin - Roll	1
12	68-5300	Lever - Arm, Lock	1	39	256-155	Bushing	2
13	51-0780	Slide - Seat	1	40	49-5840	Support - Seat (Incl. Ref. #39)	1
14	92-6534	Shell - Seat	1	41	51-0010	Decal - Traction	1
17	65-5871	Tube	1	42	68-4680	Shield - Valve Cover, RH	1
18	2412-102	Clamp-R	2	43	68-5440	Spacer - Arm, Pivot RH	1
19	65-5890	Cap - Tube	2	44	325-7	Screw - Cap, Hex. Hd.	1
20	3256-23	Washer - Flat	6	45	3242-1	Screw - Cap, Hex. Hd.	1
21	3253-4	Washer - Lock	2	46	68-5420	Hub - Locking	1
22	322-2	Screw - Cap, Hex. Hd.	2	47	68-5430	Plate - Wear	2
23	351-78	Edging	2	48	31-0390	Washer - Friction	4
24	92-6533	Kit - Cushion	1	49	68-5290	Washer - Arm, Steering	1
26	3272-11	Pin - Cotter	1	50	3216-16	Screw - Cap, Hex. Hd.	1
27	68-5100	Rod - Seat	1	51	92-8690	Steering Valve Assembly	1

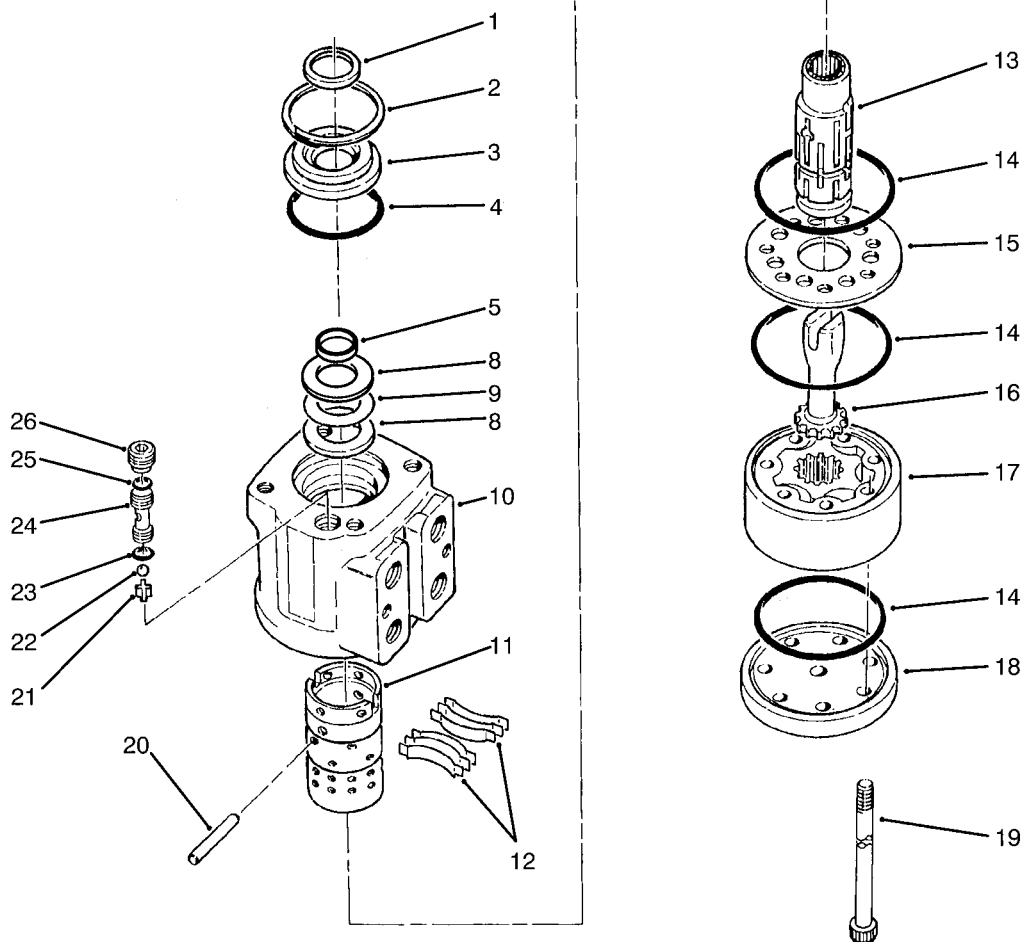


T-1767

STEERING & SEAT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
52	237-42	O-Ring	4	61	68-5760	Hose Assembly (Incl. Ref. #57 & 58)	1
53	340-137	Fitting - Hydraulic (Incl. Ref. #52 & 54)	4	62	70-8446	Sleeve - Protective	1
54	237-35	O-Ring	4	63	68-4700	Arm - Steering	1
55	68-5840	Hose Assembly (Incl. Ref. #58 & 59)	1	64	75-9380	Decal - Caution	1
56	68-5750	Hose Assembly (Incl. Ref. #57 & 58)	1	65	3256-24	Washer - Flat	4
57	56-7983	Sleeve - Protective	1	66	323-20	Screw - Cap, Hex. Hd.	4
58	3290-378	Tie - Cable	6	67	68-5130	Wheel - Steering (Incl. Ref. #2 & 3)	1
59	70-8445	Sleeve - Protective	1	68	92-1196	Decal - Service	1
60	68-5740	Hose Assembly (Incl. Ref. #58 & 60)	1	*	92-1180	Seat Assembly (Incl. Ref. #14, 23 & 24)	1

*Not Illustrated



T-1442

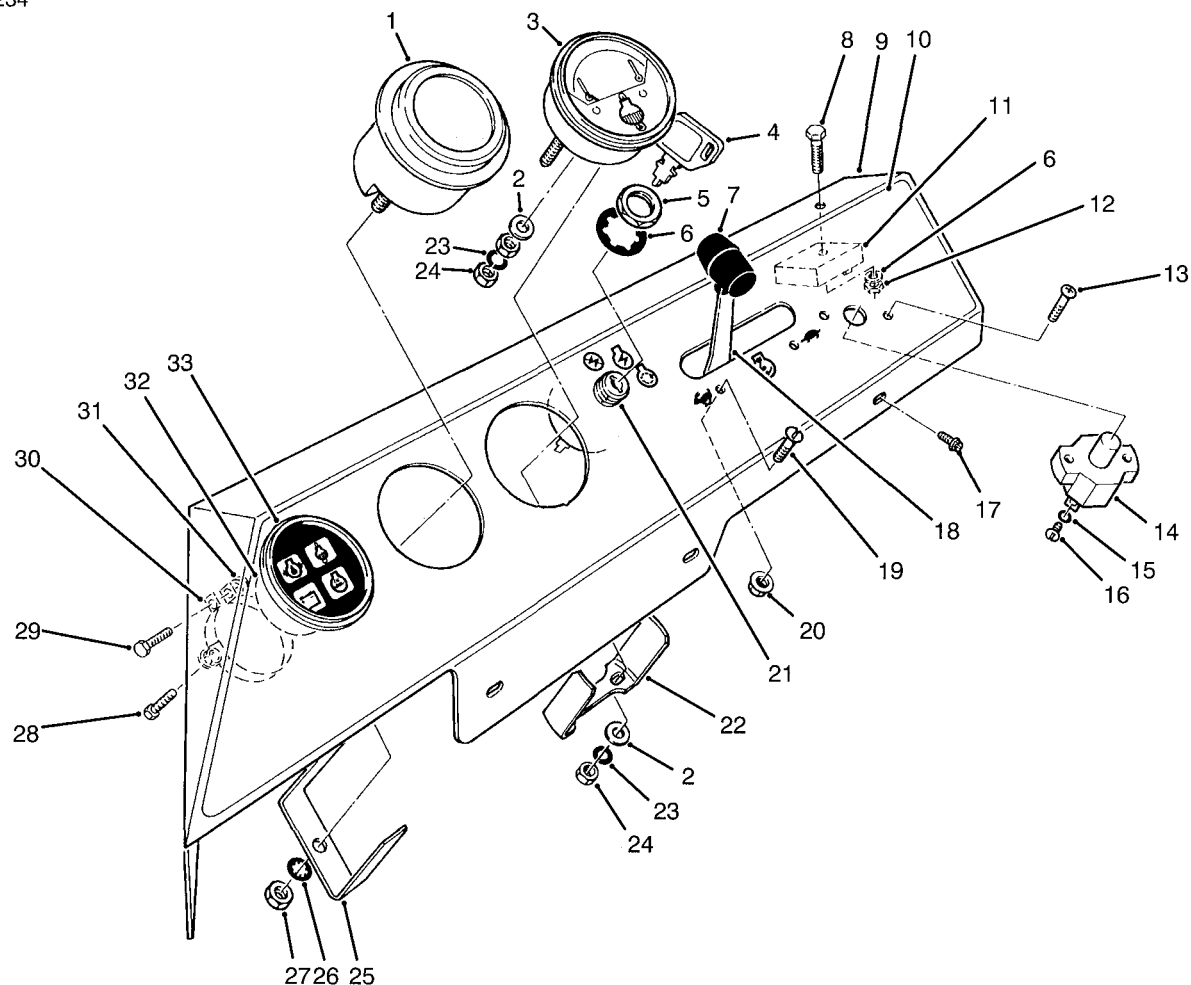
POWER STEERING VALVE NO. 92-8690

Ref. No.	Part No.	Description	No. Used
†1		Seal – Dust	1
2	52-9230	Ring – Retaining	1
3	92-8691	Bushing – Seal Gland	1
†4		O-Ring	1
†5		Seal – One Piece	1
8	59-6730	Race – Bearing	2
9	59-6740	Bearing – Needle Thrust	1
†10		Housing	1
†11		Sleeve – Control	1
12	83-1860	Centering Spring Kit	1
†13		Spool – Control	1
†14		O-Ring	3
15	92-8697	Plate – Wear	1
16	70-8250	Drive	1
17	83-1870	Gerotor	1

Ref. No.	Part No.	Description	No. Used
18	92-8694	Cap – End	1
19	92-8696	Screw – Torx Hd.	7
20	59-6830	Centering Pin Kit	1
21	52-9290	Retainer – Ball Check	1
22	52-9280	Ball – Check	1
†23		O-Ring	1
24	52-9270	Seat – Ball Check	1
†25		O-Ring	1
26	52-9260	Screw – Set	1
*	83-1880	Control Parts Assembly (Incl. Ref. #10-13 & 20)	1
*	92-8695	Seal Kit (Incl. Ref. #1, 4, 5, 14, 23 & 25)	1

*Not Illustrated

†Not Serviced Separately



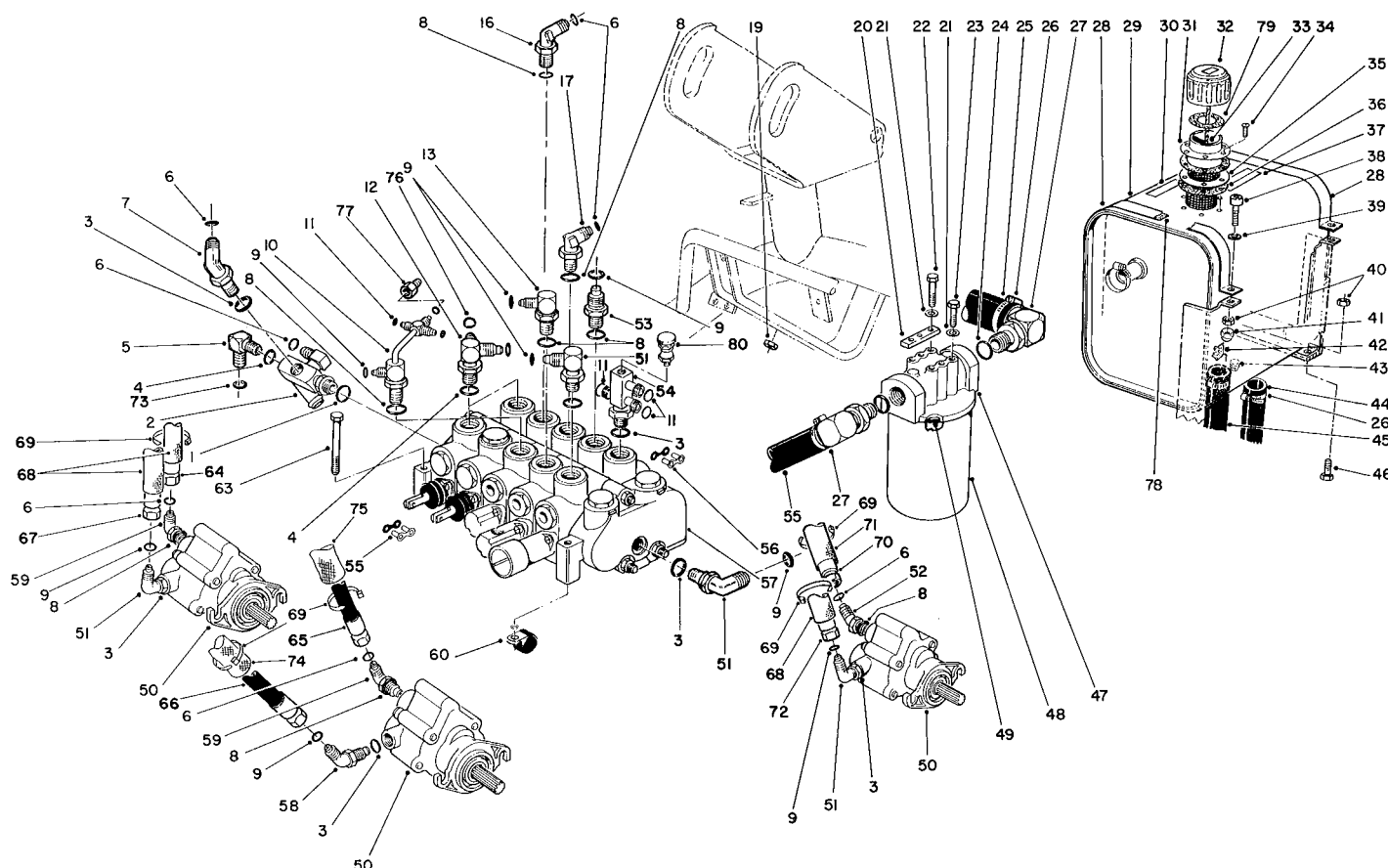
T-0814

INSTRUMENT PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66-2950	Hour Meter	1
2	3256-14	Washer - Flat	4
3	63-7430	Gauge - Temperature	1
4	63-8360	Key	1
5	218-446	Nut	1
6	218-447	Washer - Lock	1
7	233-50	Knob - Throttle	1
8	321-8	Screw - Cap Hex. Hd.	1
9	92-2544	Panel - Instrument	1
10	92-2529	Decal - Panel, Instrument	1
11	92-2538	Timer - Glow Plug	1
12	3296-16	Nut - Lock	1
13	32122-53	Screw - Phillips Hd.	2
14	68-5210	Breaker - Circuit, 15A	1
15	3253-15	Washer - Lock	2
16	3250-28	Screw - Cap, Round Hd.	2
17	32104-76	Screw - Acorn Washer Hd.	6
18	68-9931	Control Throttle (Inc. Ref. #7)	1

Ref. No.	Part No.	Description	No. Used
19	32105-8	Screw - Round Head	2
20	32149-7	Nut - Lock	2
21	27-2360	Switch - Key (Incl. Ref. #5 & 6)	1
22	39-9600	Clamp - Mounting	1
23	3253-12	Washer - Lock	5
24	3256-49	Nut - Lock	6
25	218-515	Bracket - Mounting	1
26	3254-1	Washer - Lock, Int. Tooth	1
27	3217-26	Nut	1
28	32144-1	Screw - Thread Forming	2
29	32105-1	Screw - Cap, Hex. Hd.	1
30	69-4780	Clamp Hose	1
31	3296-2	Nut - Lock	1
32	70-8200	Socket - Light	4
33	66-2960	Light - Cluster, Warning	1
*	219-17	Bulb - Light	4

*Not Illustrated

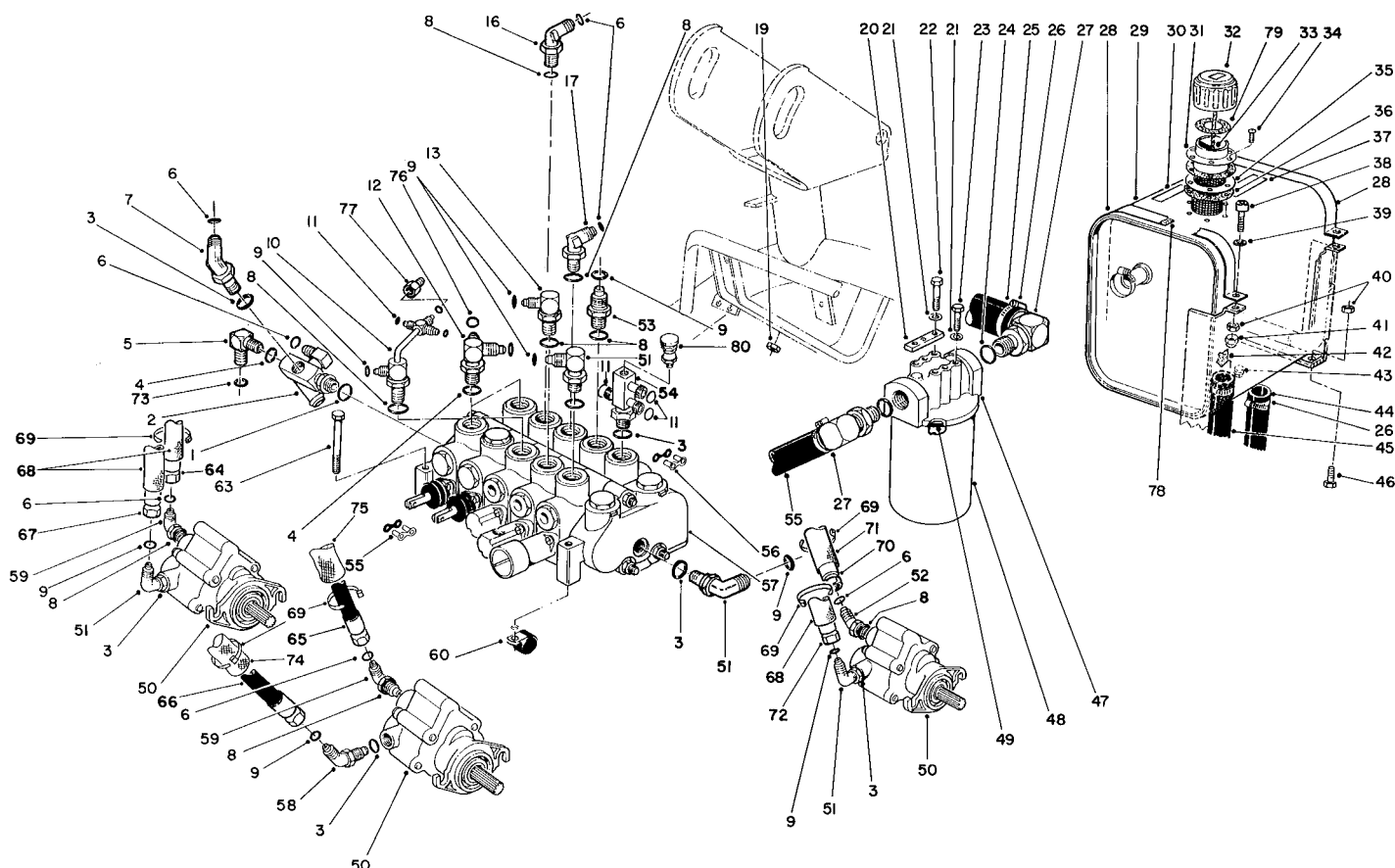


T-0643

VALVE BANK AND HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	237-81	O-Ring	1
2	68-5260	Orifice - Manifold Drain (Incl. Ref. #1 & 6)	1
3	237-42	O-Ring	9
4	237-80	O-Ring	3
5	340-16	Fitting - Hydraulic (Incl. Ref. #3 & 4)	1
6	237-30	O-Ring	7
7	340-96	Fitting - Hydraulic (Incl. Ref. #3 & 6)	1
8	237-79	O-Ring	8
9	237-22	O-Ring	3
10	63-4060	Tube Assembly (Incl. Ref. #8, 9 & 11)	1
11	237-21	O-Ring	7
12	63-4050	Fitting - Traction, Upper (Incl. Ref. #4 & 76)	2
13	340-18	Fitting - Hydraulic (Incl. Ref. #5 & 9)	1
16	340-11	Fitting - Hydraulic (Incl. Ref. #6 & 8)	1
17	340-101	Fitting - Hydraulic (Incl. Ref. #6 & 8)	1
19	32128-20	Nut - Lock, Flange Hd.	3
20	27-2380	Spacer - Mount, Filter	1
21	3256-23	Washer - Flat	2
22	322-4	Screw - Cap, Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
23	322-2	Screw - Cap, Hex. Hd.	2
24	237-101	O-Ring	2
25	68-5890	Hose - Return, Filter	1
26	2412-3	Clamp - Hose	8
27	353-564	Fitting - Hydraulic (Incl. Ref. #24)	2
28	27-2400	Strap - Reservoir (Incl. Ref. #78)	2
29	55-8480	Reservoir - Hydraulic	1
30	58-6530	Decal - Oil	1
31	353-961	Adapter - Flange	1
32	62-2570	Cap - Breather (Incl. Ref. #31, 33, 36, 37 & 39)	1
33	353-962	Cap & Chain Assembly	1
34	32144-34	Screw	6
35	62-2610	Screen Assembly	1
36	353-963	Gasket	2
37	66-6840	Decal - Hot Surface	1
38	3274-19	Screw - Set	2
39	3256-22	Washer - Flat	2
40	3296-16	Nut - Lock	4
41	2410-66	Cap - Vinyl	1
42	27-2420	Felt - Angle	2
43	281-1	Plug - Oil	1
44	68-5860	Hose - Inlet, Pump LH	1
45	68-5870	Hose - Inlet, Pump RH	1

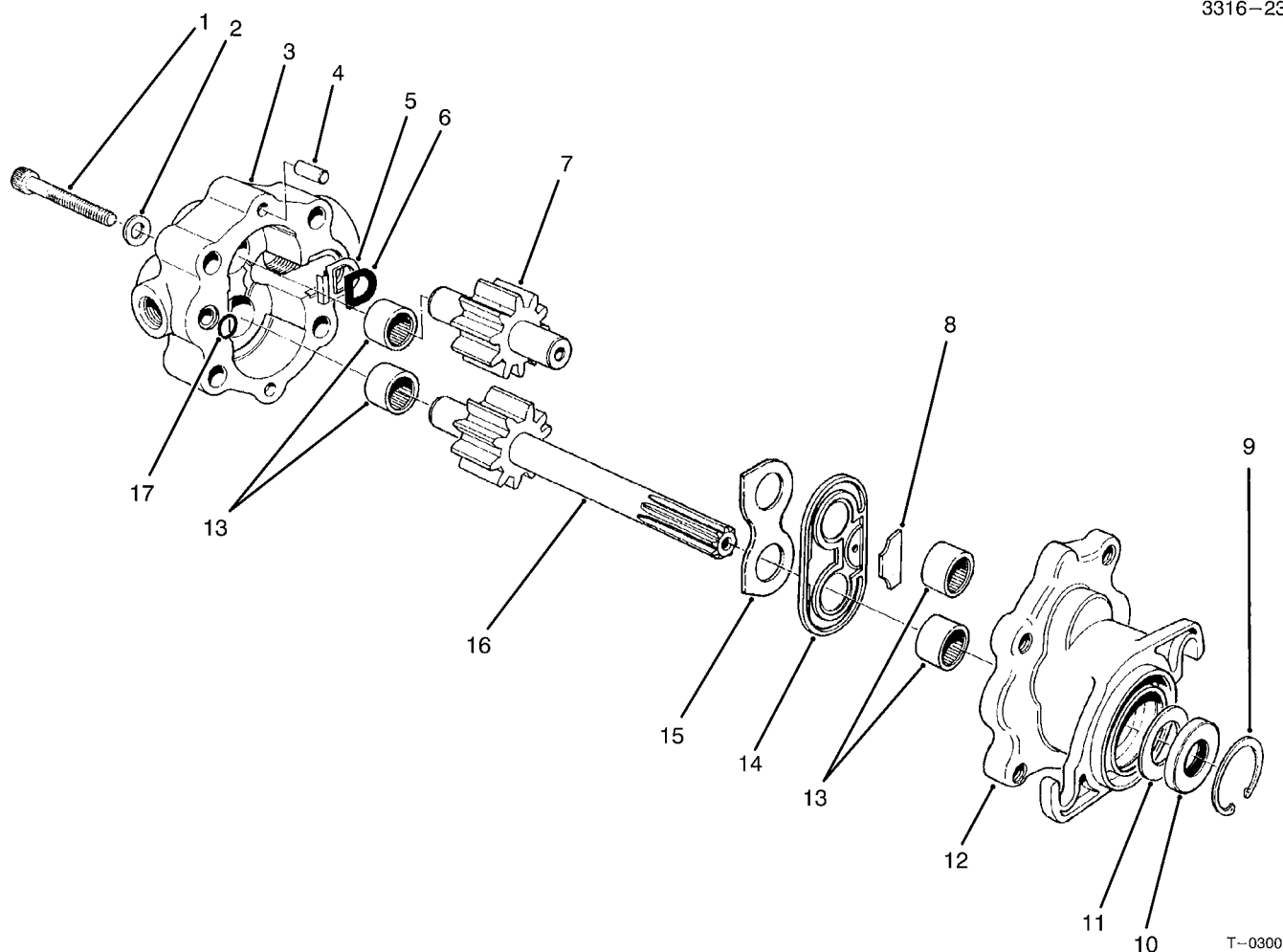


T-0643

VALVE BANK AND HYDRAULIC RESERVOIR ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
46	321-3	Screw - Cap, Hex. Hd.	2	65	63-3830	Hose - Assembly (Incl. Ref. #69 & 75)	1
47	44-5560	Head - Filter, Hydraulic	1	66	63-3870	Hose - Assembly (Incl. Ref. #69 & 74)	1
48	74-3570	Element - Filter (Incl. Ref. #49)	1	67	63-3810	Hose - Assembly (Incl. Ref. #68 & 69)	1
49	72-3850	Seal - Ring	1	68	56-7980	Sleeve - Protective	3
50	70-9800	Motor - Reel	3	69	3290-378	Tie - Cable	12
51	340-77	Fitting - Hydraulic (Incl. Ref. #3 & 9)	4	70	63-3840	Hose - Assembly (Incl. Ref. #69 & 71)	1
52	340-101	Fitting - Hydraulic (Incl. Ref. #6 & 8)	1	71	56-7981	Sleeve - Protective	1
53	340-3	Fitting - Hydraulic (Incl. Ref. #8 & 9)	1	72	74-3830	Hose - Assembly (Incl. Ref. #68 & 69)	1
54	92-0587	Fitting - Hydraulic Valve (Incl. Ref. #3 & 11)	1	73	237-58	O-Ring	1
55	68-5880	Hose - Inlet, Filter	1	74	56-7986	Sleeve - Protective	1
56	57-6220	Link - Connector	5	75	56-7987	Sleeve - Protective	1
57	84-2200	Control Valve Assembly	1	76	237-65	O-Ring	4
58	340-87	Fitting - Hydraulic (Incl. Ref. #3 & 9)	1	77	71-0990	Orifice - One Way	1
59	340-98	Fitting - Hydraulic (Incl. Ref. #6 & 8)	2	78	27-3030	Felt - Strap	2
60	304-61	Clamp	1	79	76-1720	Gasket	1
63	322-14	Screw - Cap, Hex. Hd.	3	80	92-0588	Bushing - Needle	1
64	63-3820	Hose - Assembly (Incl. Ref. #68 & 69)	1	*	88-9500	Needle Valve Assembly (Incl. Ref. #3, 11, 54 & 80)	1
				*	44-2500	Dye - Hydraulic Oil	1

*Not Illustrated



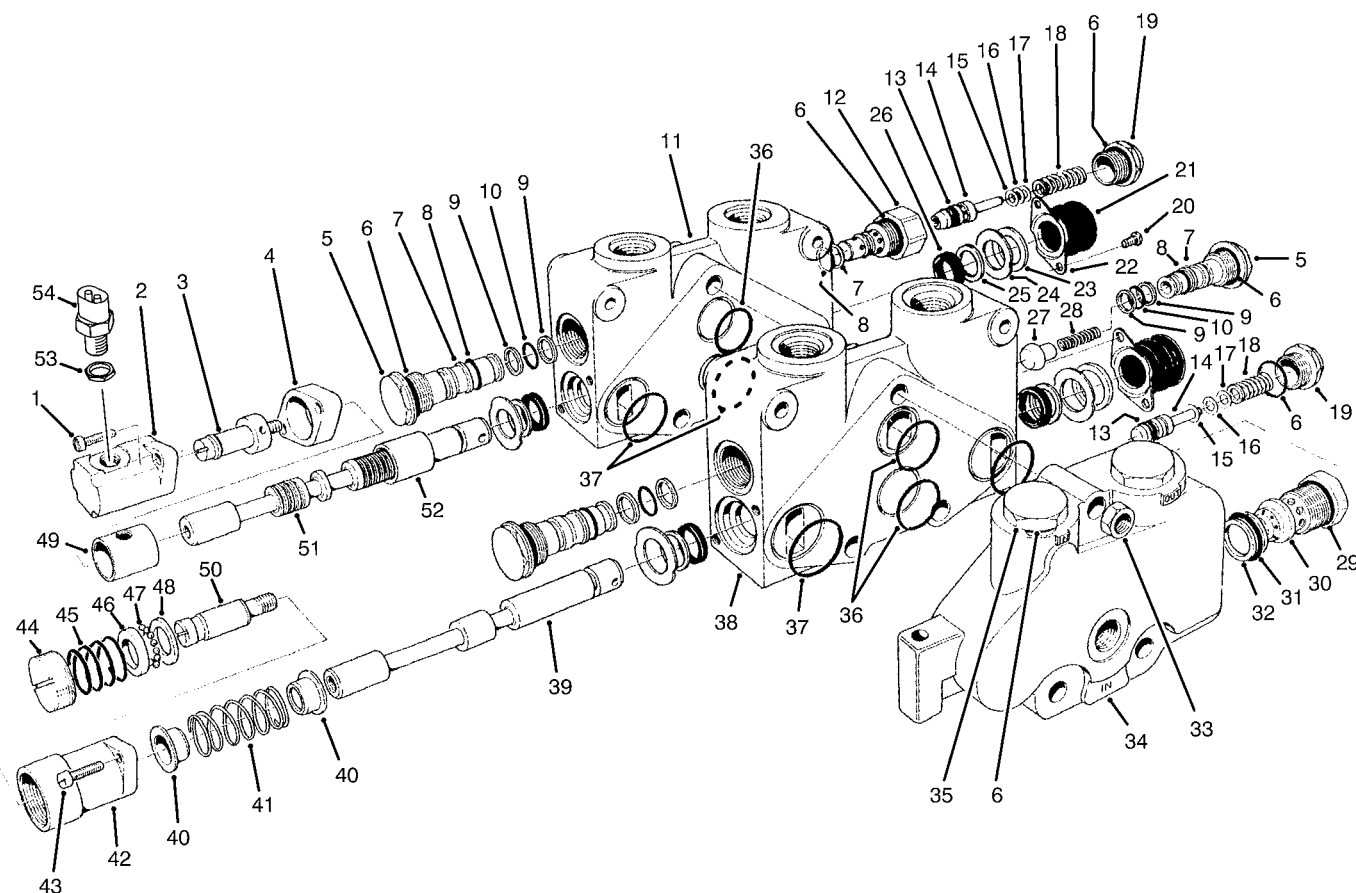
REEL MOTOR NO. 70-9800

Ref. No.	Part No.	Description	No. Used
1	353-601	Screw - Hex Socket Hd.	4
2	353-600	Washer	4
3	353-588	Cover - Motor	1
4	353-599	Pin - Dowel	2
5	353-597	Bridging - Insert	1
6	353-598	Gasket - Insert	1
7	353-593	Idler Gear Assembly	1
8	353-591	Block - Anti-Extrusion	1
9	32151-41	Ring - Retaining	1
10		Seal - Shaft	1
11		Spacer	1
12	353-777	Body - Motor (Incl. Ref. #13)	1

Ref. No.	Part No.	Description	No. Used
13	353-586	Bearing - Needle	4
14	353-594	Seal Assembly	1
15	353-595	Plate - Wear	1
16	353-592	Drive Shaft Assembly	1
17	353-596	O-Ring	1
*	72-4380	Seal Kit (Incl. Ref. #9-11)	1
*	72-4390	Repair Kit (Incl. Ref. #5, 6, 8-11, 14, 15 & 17)	
*†		Seal Installer	1
*†		Seal Protector	1

*Not Illustrated

†Special Tool for Installation

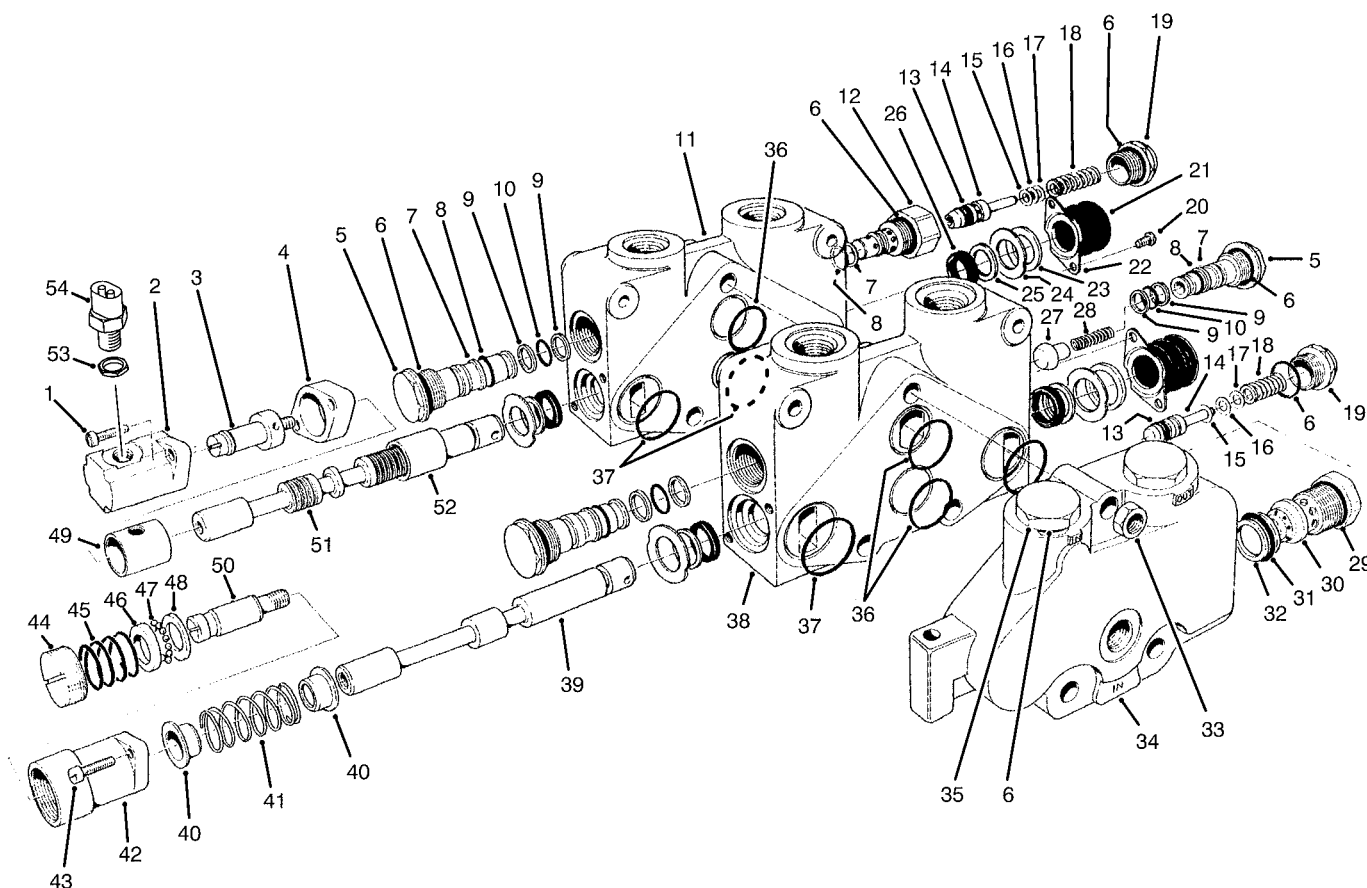


T-1318

CONTROL VALVE ASSY. NO. 84-2200 (Sections 1 & 2)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-70	Screw - Hex, Socket Hd.	2	24	92-2547	Plate - Seal Retainer	4
2	353-727	Bonnet	1	25	92-2546	Wiper - Seal	4
3	353-729	Spud - Detent	1	26	353-957	Seal - Lip	4
4	353-733	Spacer - Bonnet	1	27	353-301	Poppet	1
5	353-481	Plug - Load Check (Incl. Ref. #6-10)	3	28	353-304	Spring	1
6	237-54	O-Ring	8	29	353-331	O-Ring	1
7	353-306	Ring - Backup	4	30	353-760	Body Relief	1
8	353-305	O-Ring	4	31	353-758	Seal - O-Ring	1
9	353-303	Ring - Backup	6	32	353-952	Ring - Backup	1
10	353-302	O-Ring	3	33	3217-7	Nut - Hex	3
11		Housing V20T	1	34	353-772	Left End Cover	1
12	353-851	Body - Relief CP-RC Mod.	1	35	353-721	Plug (Incl. Ref. #6)	2
13	353-392	Seal - Relief Poppet PTFE	2	†36		O-Ring	3
14	353-531	Poppet Assy. (Incl. Ref. #13)	2	†37		O-Ring	4
15	353-328	Washer - Shim	A/R	†38		Housing Section #1	1
16	353-329	Washer - Shim	A/R	†39		Spool V20 SPL	1
17	353-330	Washer - Shim	A/R	40	353-417	Collar Spring	2
18	353-855	Spring	2	41	92-3058	Spring - Centering	1
19	353-334	Cap - Relief	2	42	353-780	Bonnet - R. Detent	1
20	3274-52	Screw - Hex, Socket Hd.	4	43	3274-15	Screw - Fillister Hd.	2
21	353-575	Boot - Dust Cap	2	44	353-763	Cap - Adjustment	1
22	353-559	Retainer - Boot	2	45	353-579	Spring	1
23	353-560	Washer - Breather	2	46	42-2680	Race R. Detent	1
				47	52-5880	Ball - Steel	12

†Parts Available as Assemblies Listed as (*Not Illustrated) on Following Page



T-1318

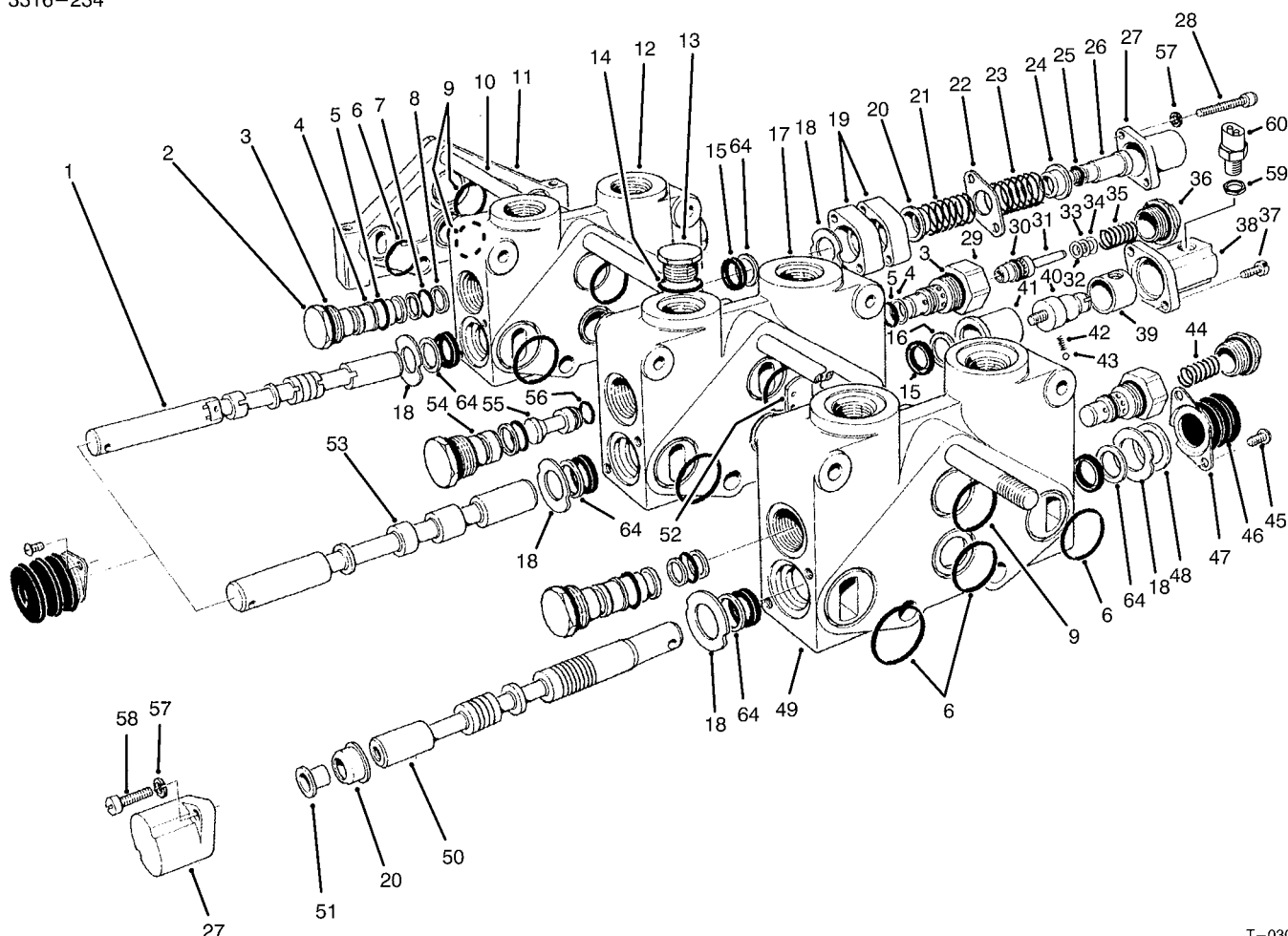
CONTROL VALVE ASSEMBLY NO. 84-2200 (Sections 1 And 2) (Continued)

Ref. No.	Part No.	Description	No. Used
48	354-29	Plate - Thrust	1
49	353-728	Sleeve	1
50	353-780	Spud - Detent Out (Incl. Ref. #44)	1
†51		Spool V20 3 Way F.F.	1
52	353-732	Sleeve - Detent	1
53	38-0410	Nut - Hex.	1
54	83-1890	Switch - Ball	1
*	353-766	Relief WH (2000) PSI Assy. (Incl. Ref. #6,13-19 & 29-32)	1
*	353-768	Section #1 Complete	1
*	353-837	Section #2 Complete	1
*	353-780	Positioner - R. Detent (Out) (Incl. Ref. #3 & 40-49)	1

Ref. No.	Part No.	Description	No. Used
*	353-839	Positioner - DI (SPL) Assy. (Incl. Ref. #1, 3-5, 50 & 52)	1
*	353-642	Relief - RC Mod. (Incl. Ref. #6-8 & 12-19)	2
*	353-854	Boot - Spool Assembly (Incl. Ref. #20-23)	2
*	353-835	Seals - Section Set (Incl. Ref. #36 & 37)	1
*	92-2548	Seals - Spool (Single End Set) (Incl. Ref. #24-26)	1
*	92-2545	Seals - Spool (Entire Valve Set)	1

*Not Illustrated

†Parts Available as Assemblies Listed as (*Not Illustrated) on This Page

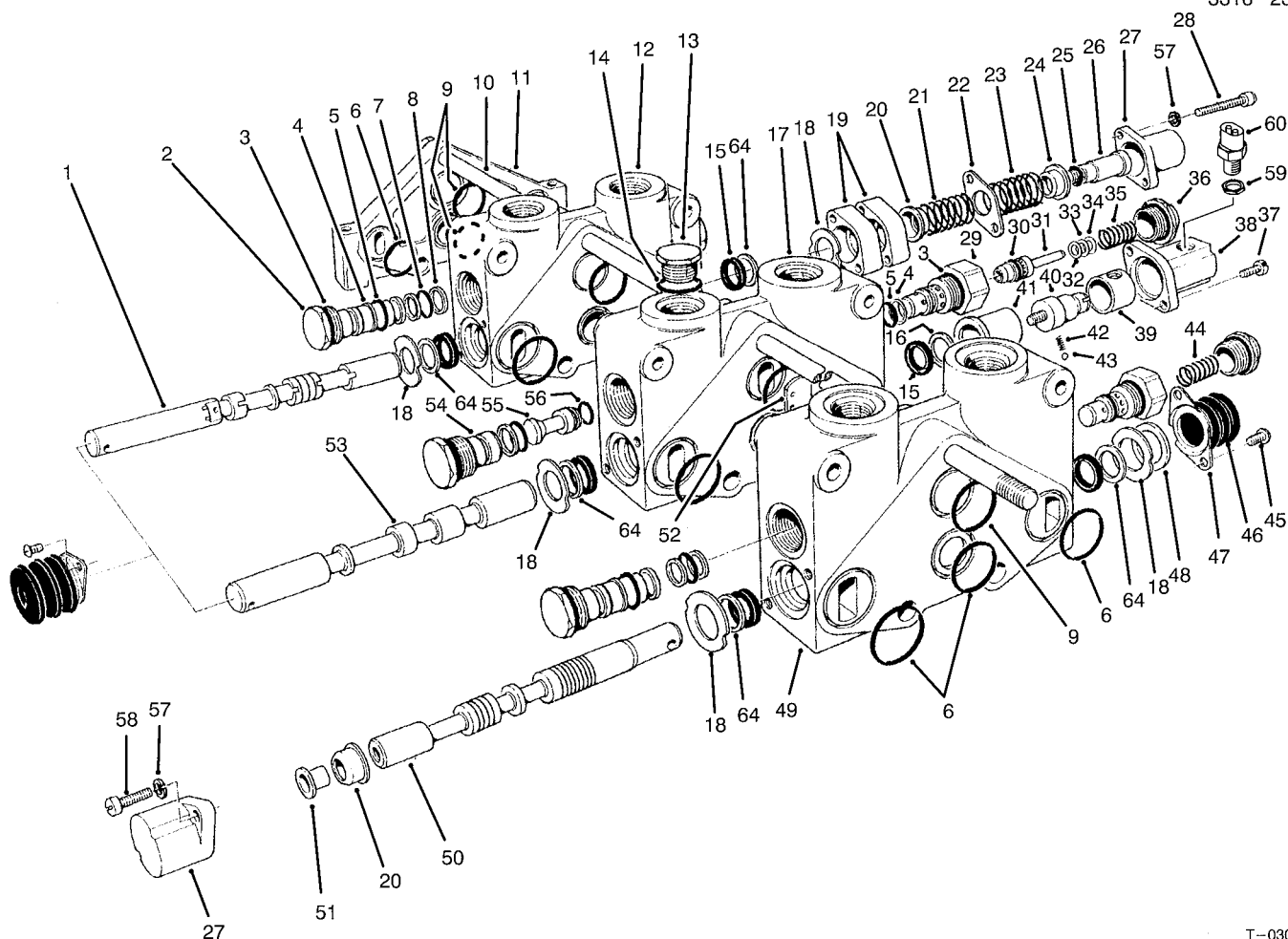


T-0302

CONTROL VALVE ASSY. NO. 84-2200 (Sections 3 Thru 5)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
†1		Spool #5	1	24	353-808	Collar - Spring	1
2	353-481	Plug - Load Check (Incl. Ref. #3-5 & 7-8)	3	25	353-830	O-Ring	1
3	237-54	O-Ring	6	26	353-829	Collar Spool	1
4	353-306	Ring - Backup	5	27	354-26	Bonnet	2
5	353-305	O-Ring	5	28	354-28	Screw - Hex, Socket Hd.	2
†6		O-Ring	11	29	353-851	Body - Relief CP-RC Mod.	2
7	353-302	O-Ring	3	30	353-392	Seal - Relief Poppet PTFE	2
8	353-303	Ring - Backup	6	31	353-531	Poppet Assembly (Incl. Ref. #30)	2
†9		O-Ring	5	32	353-328	Washer - Shim	A/R
10	353-853	Bolt - Hex Hd.	3	33	353-329	Washer - Shim	A/R
11	353-668	Plate - Cap, Cover RH	1	34	353-330	Washer - Shim	A/R
12		Housing V20 #5	1	35	353-398	Spring	1
13	353-550	Plug Assembly (Incl. Ref. #14)	1	36	353-334	Cap - Relief	2
14	353-848	O-Ring	1	37	52-5900	Screw - Fillister Hd.	4
15	353-957	Seal - Lip	6	38	353-847	Bonnet (SPL)	1
16	353-958	Ring - Backup	1	39	353-849	Sleeve	1
†17		Housing V20 #4	1	40	353-846	Spud - DI (SPL)	1
18	92-2547	Plate - Seal Retainer	6	41	353-845	Sleeve - Detent	1
19	353-733	Spacer - Bonnet	2	42	353-730	Spring	1
20	353-417	Collar Spring	2	43	353-731	Ball	1
21	353-831	Spring	1	44	353-855	Spring	1
22	353-529	Plate Seal	1	45	3274-52	Screw - Hex. Socket Hd.	6
23	353-530	Spring	1	46	353-575	Boot - Dust Cap	3
				47	353-559	Retainer - Boot	3

†Parts Available as Assemblies Listed as (*Not Illustrated) on Following Page



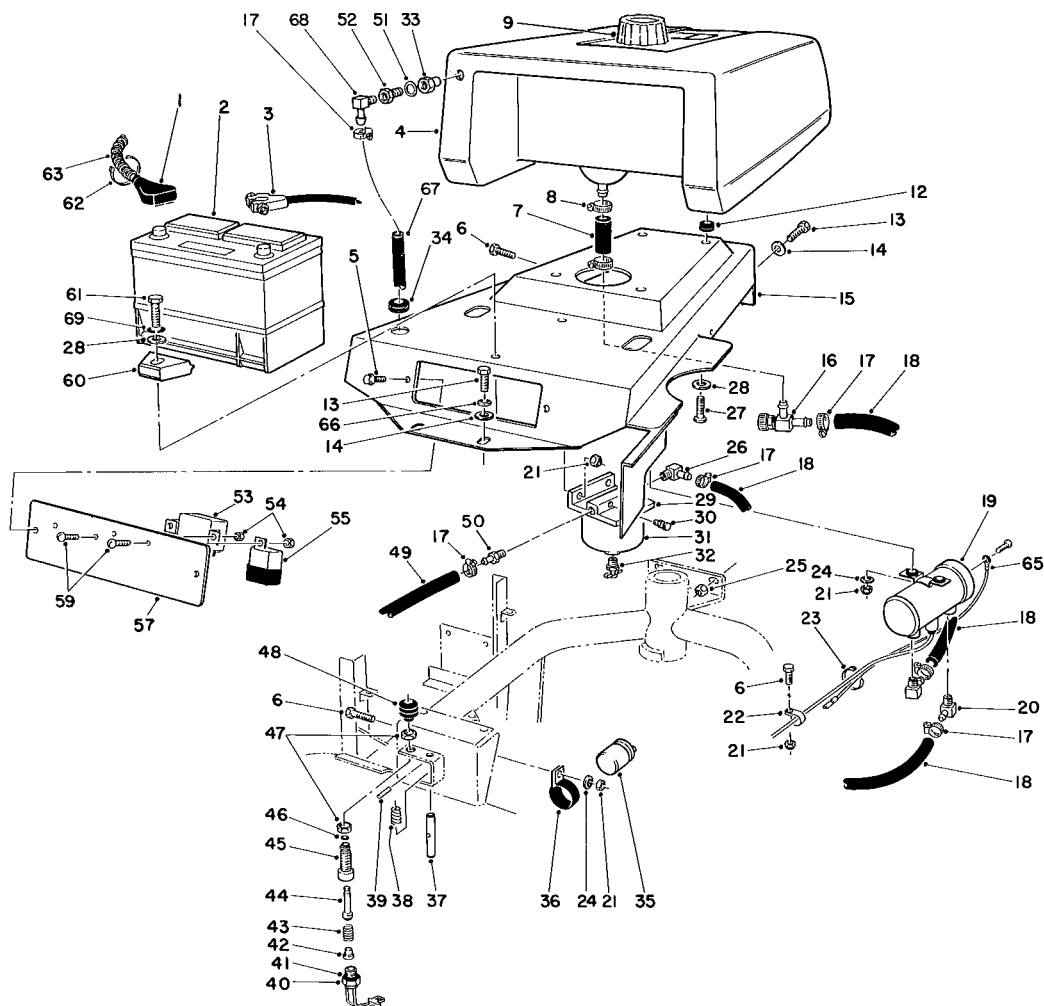
T-0302

CONTROL VALVE ASSEMBLY NO. 84-2202 (Sections 3 Thru 5) (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
†48	353-560	Washer - Breather	3	*	353-834	Section #5 Assembly (Complete)	1
49		Housing V20 #2	1	*	353-841	Position - Spool Assembly (Incl. Ref. #20 27 37 & 51)	1
†50		Spool V20 3 Way F.F.	1	*	353-840	Position - DI (SP) Assy. (Incl. Ref. #37-43)	1
51	52-5860	Collar - Spool	1	*	353-642	Relief - RC Mod. Assembly (Incl. Ref. #3-5 & 29-36)	1
52	354-122	Disc - Seal	1	*	353-833	Positioner Assembly (Incl. Ref. #19-28)	1
†53		Spool #4	1	*	84-2200	Control Valve Assembly Complete	1
54	353-953	Plug Assembly	1	*	92-2548	Seals - Spool (End Set) (Incl. Ref. #15, 18 & 64)	1
55	353-844	Plus Series (Incl. Ref. #56)	1	*	92-2549	Seals - Spool (End Set #4 Rear Only) (Incl. Ref. #15, 16 & 18)	1
56	353-850	O-Ring	1	*	92-2545	Seals - Spool (Entire Valve Set)	1
57	3253-3	Washer - Lock	4				
58	3274-84	Screw - Cap, Hex. Hd.	4				
59	38-0410	Nut - Hex.	1				
60	83-1890	Switch - Ball	1				
64	92-2546	Wiper - Seal	5				
*	353-835	Seals - Section Set (Incl. Ref. #6 & 9)	1				
*	353-854	Boot - Spool Assembly (Incl. Ref. #45-48)	3				
*	353-770	Section #3 Assembly (Complete)	1				
*	354-25	Section #4 Assembly (Complete)	1				

*Not Illustrated

†Parts Available as Assemblies Listed as (*Not Illustrated) on This Page

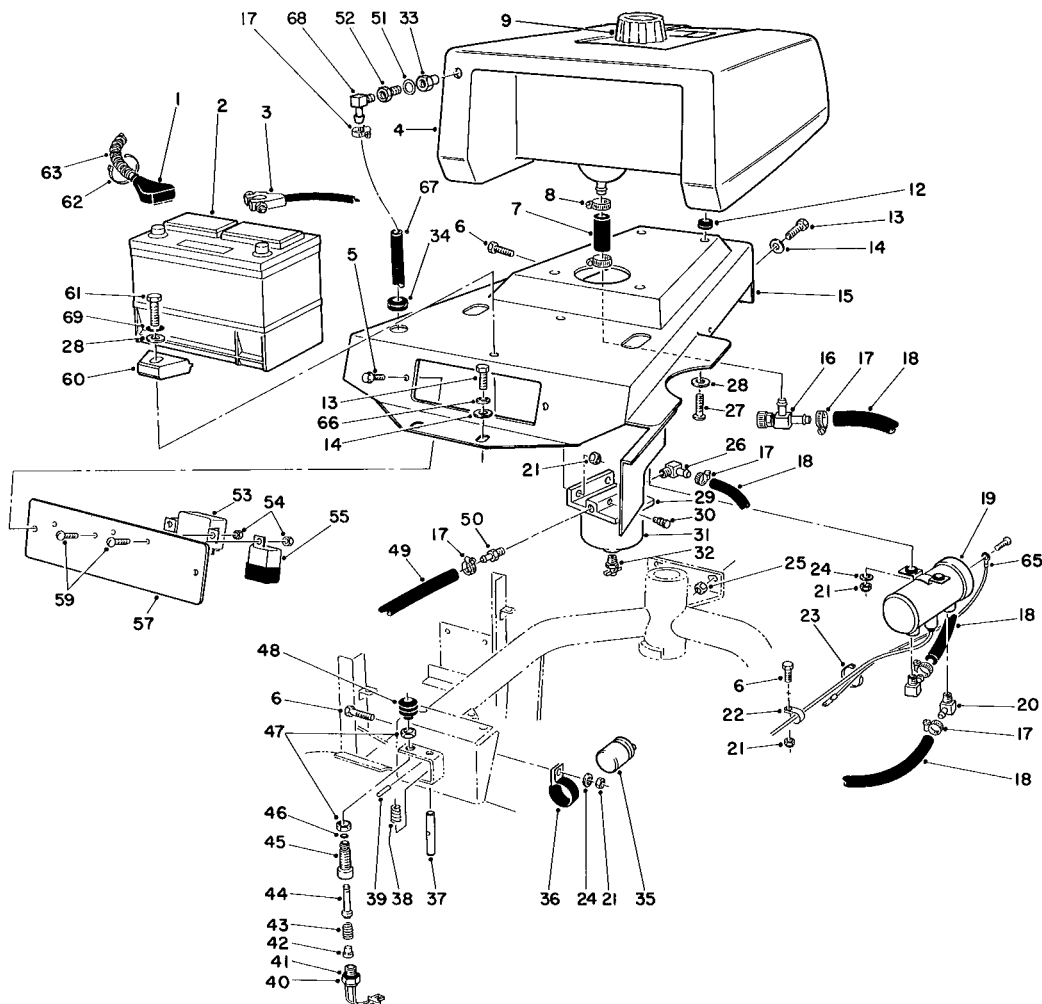


T-0637

GAS TANK & BATTERY ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	92-1191	Cable - Battery, Positive	1	28	3256-24	Washer - Flat	6
2†		Battery	1	29	63-8280	Head Assembly	1
3	92-1190	Cable - Battery, Negative	1	30	63-8290	Fitting - Vent	1
4	76-4380	Tank - Fuel, Diesel	1	31	63-8300	Element - Filter	1
5	32144-1	Screw - Thread Forming	2	32	63-8310	Fitting - Drain	1
6	321-4	Screw - Cap, Hex. Hd.	4	33	52-1890	Wellnut - Rubber	1
7	56-2230	Hose - Fuel	1	34	237-124	Grommet	1
8	2412-36	Clamp - Hose	2	35	37-2690	Capacitor	1
9	55-3577	Cap - Fuel	1	36	2412-74	Clamp-R	1
12	237-136	Grommet	4	37	51-0350	Pin - Spring, Seat	1
13	323-6	Screw - Cap, Hex. Hd.	4	38	3-6685	Spring - Compression	1
14	3256-3	Washer - Flat	4	39	3284-3	Pin - Groove	1
15	68-5510	Base - Tank, Fuel	1	40	72-4320	Switch - Neutral (Incl. Ref. #41)	1
16	56-2520	Valve - Shutoff, Fuel	1	41	237-30	O-Ring	1
17	2412-108	Clamp - Hose	2	42	43-8610	Guide - Spring & Ball Seat	1
18	63-7622	Hose - Fuel	1	43	43-8600	Spring - Compression	1
19	53-8150	Pump - Fuel (Incl. Ref. #65)	1	44	43-8860	Plunger - Switch	1
20	67-1690	Fitting	2	45	43-8620	Guide - Pin, Switch	1
21	3296-16	Nut - Lock	5	46	237-7	O-Ring	1
22	2412-89	Clamp-R	1	47	218-461	Nut - Jam	2
23	3290-379	Tie - Cable	3	48	43-8870	Boot - Switch	1
24	3256-22	Washer - Flat	3	49	63-7623	Hose - Fuel	1
25	3296-39	Nut - Lock	2	50	353-783	Fitting - Straight	1
26	353-707	Fitting	1	51	53-9880	Washer	1
27	3250-36	Screw - Pan Head	4	52	52-1880	Adapter - Fitting, Fuel	1

† Obtain Locally

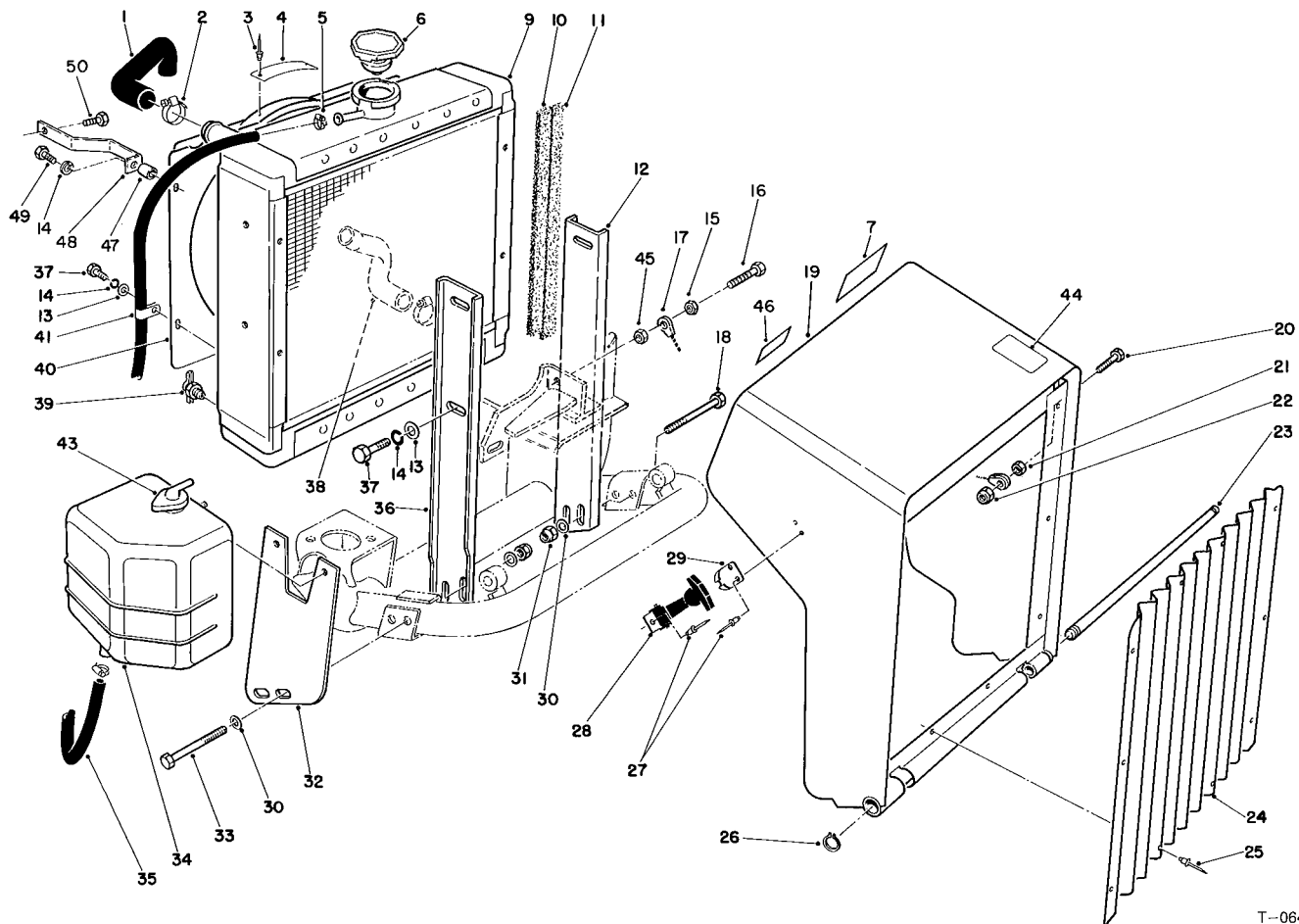


T-0637

GAS TANK & BATTERY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
53	66-8800	Relay - Glow	1	63	70-8510	Tubing - Convoluted	1
54	32149-7	Nut - KEPS	4	65	70-8530	Wire - Pump, Fuel	1
55	63-7590	Relay - SPDT	2	66	3253-21	Washer - Lock	2
57	68-5680	Plate - Electrical	1	67	76-4420	Hose - Fuel	1
59	32105-8	Screw - Machine	4	68	76-4430	Fitting - Fuel	1
60	66-2490	Retainer - Battery	2	69	3254-6	Washer - Lock	2
61	323-9	Screw - Cap, Hex. Hd.	2	*	43-9071	Switch Assembly (Incl. Ref. #40-48)	1
62	3290-378	Tie - Cable	4				

*Not Illustrated

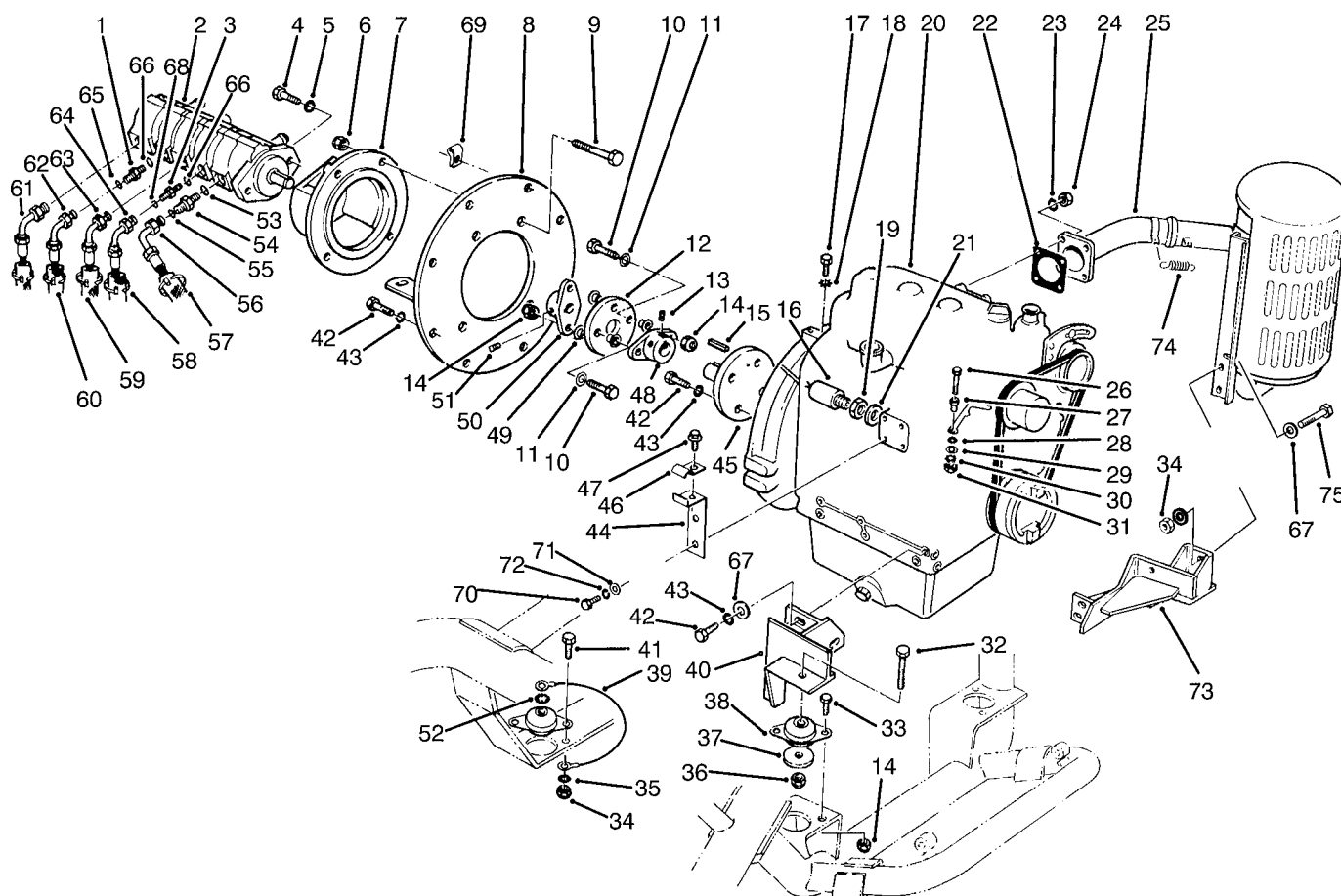


T-0649

RADIATOR & GRILLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	68-4850	Hose - Upper	1
2	2412-3	Clamp	4
3	3290-271	Rivet	2
4	76-8750	Plate - Warning	1
5	2412-108	Clamp - Gear, Worm	2
6	66-3240	Cap - Radiator	1
7	83-6730	Decal - Coolant, Engine	1
9	68-5230	Radiator (Incl. Ref. #39)	1
10	68-5240	Strip - Foam	2
11	68-5241	Strip - Foam	2
12	68-5660	Support - Radiator, Rear	1
13	3256-23	Washer - Flat	7
14	3253-4	Washer - Lock	8
15	3217-6	Nut - Hex.	1
16	322-6	Screw - Cap, Hex. Hd.	1
17	72-9870	Cable	1
18	323-12	Screw - Cap, Hex. Hd.	2
19	68-4860	Hood - Radiator	1
20	321-6	Screw - Cap, Hex. Hd.	1
21	3218-1	Nut - Jam	1
22	3296-16	Nut - Lock	1
23	85-6560	Pin - Pivot, Hood	1
24	68-5670	Grille	1
25	3290-409	Rivet - Pop	10

Ref. No.	Part No.	Description	No. Used
26	32151-101	Ring - Retaining	2
27	3290-55	Rivet - Pop	8
28	59-9740	Latch Assembly (Incl. Ref. #29)	2
29		Keeper	2
30	3256-3	Washer - Flat	6
31	3296-59	Nut - Lock	4
32	68-5640	Bracket - Tank, Reserve	1
33	323-13	Screw - Cap, Hex. Hd.	2
34	63-7380	Tank - Reserve	1
35	68-5470	Hose	1
36	68-5650	Support - Radiator, Front	1
37	322-3	Screw - Cap, Hex. Hd.	7
38	68-4840	Hose	1
39	304-46	Cock - Drain, Radiator	1
40	68-5180	Shroud - Radiator	1
41	2412-41	Clamp	1
43	71-1520	Cap - Tank, Reserve	1
44	63-8440	Decal - Hot Surface	1
45	3296-29	Nut - Lock	1
46	66-6840	Decal - Hot Surface	1
47	75-9610	Spacer	1
48	75-9630	Brace	1
49	322-9	Screw - Cap, Hex. Hd.	1
50	32144-14	Screw - Cap, Hex. Hd.	1



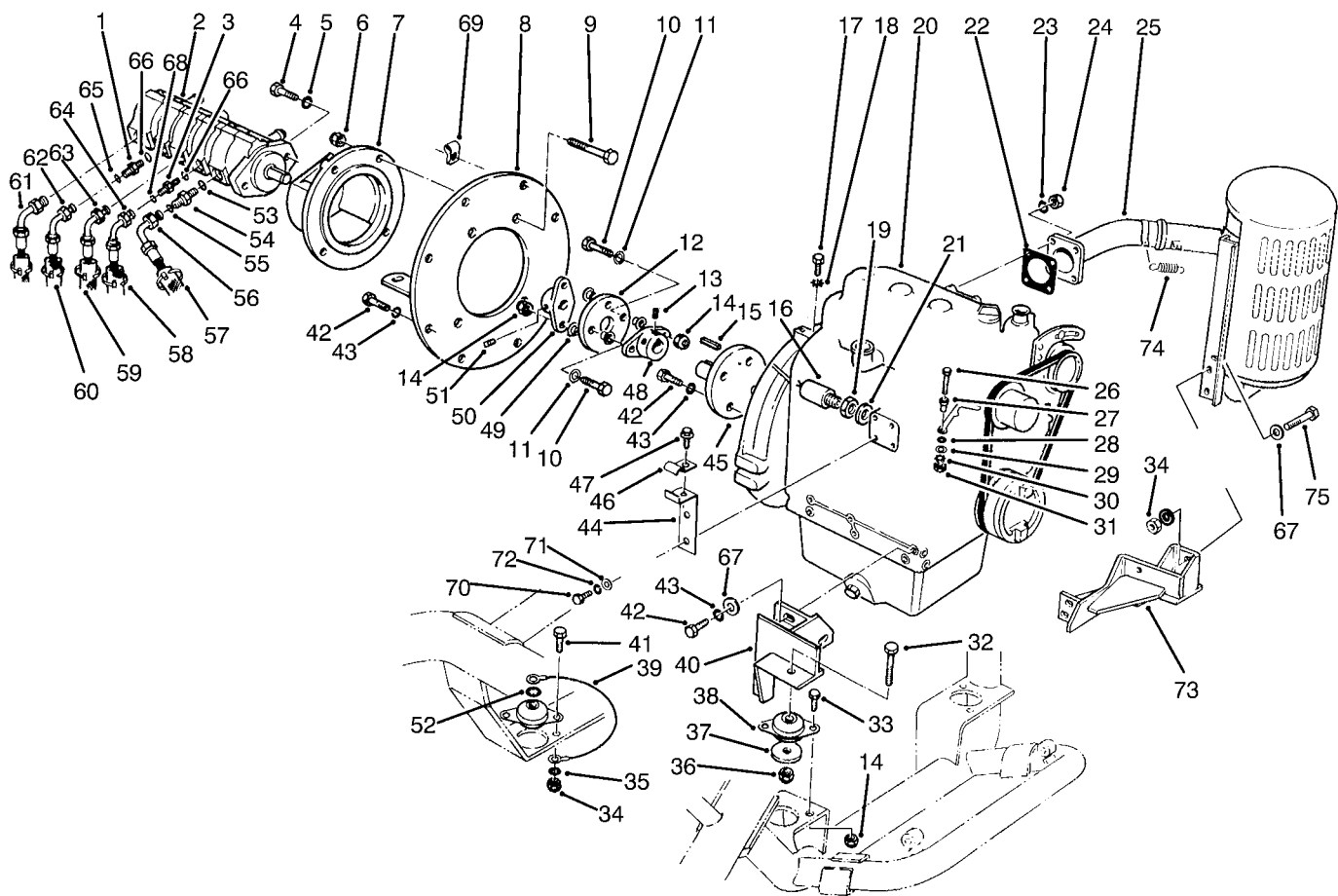
T-1766

ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	340-1	Fitting - Hydraulic (Incl. Ref. #65 & 66)	1
2	68-4940	Pump - Gear	1
3	340-2	Fitting - Hydraulic (Incl. Ref. #65 & 68)	3
4	323-8	Screw - Cap, Hex. Hd.	2
5	3253-29	Washer - Lock	2
6	3296-48	Nut - Lock	4
7	68-4930	Mount - Pump	1
8	68-4960	Plate - Flywheel	1
9	324-7	Screw - Cap, Hex. Hd.	4
10	322-6	Screw - Cap, Hex. Hd.	4
11	3256-23	Washer - Flat	4
12	44-2230	Coupling - Rubber	1
13	3241-2	Screw - Set, Sq. Hd.	2
14	3296-29	Nut - Lock	12
15	67-7490	Key	1
16	63-7440	Solenoid - Stop	1
17	70-8470	Screw	1
18	3255-16	Washer - Lock, Int. Tooth	1
19	43-2750	Nut - Jam	1
20	68-4950	Engine Assembly	1
21	43-2740	Gasket - Solenoid	1
22	42-9110	Gasket - Muffler	1
23	42-9850	Washer - Lock	4
24	48-7930	Nut	4

*Not Illustrated

Ref. No.	Part No.	Description	No. Used
25	92-7164	Muffler - Exhaust	1
26	67-5110	Bolt	1
27	67-5100	Bushing	1
28	67-5120	Washer - Spring	1
29	67-5130	Washer - Flat	1
30	67-5140	Washer - Serrated	1
31	67-5150	Nut	1
32	323-11	Screw - Cap, Hex. Hd.	4
33	322-4	Screw - Cap, Hex. Hd.	7
34	3296-39	Nut - Lock	2
35	3254-2	Washer - Lock, Int. Tooth	1
36	3296-59	Nut - Lock	4
37	63-7400	Washer - Rebound	4
38	63-7140	Mount - Shock	4
39	70-8220	Cable - Ground	1
40	68-4990	Bracket - Engine, RH	1
41	322-5	Screw - Cap, Hex. Hd.	1
42	63-7790	Screw	18
43	48-9590	Washer - Lock	18
44	68-5090	Support - Cable, Throttle	1
45	68-4920	Hub - P.T.O.	1
46	2412-31	Clip - Cable	1
47	12-3270	Screw - Washer Hd.	1
48	27-1960	Hub	1
49	27-6600	Spacer	4
50	27-1970	Hub	1



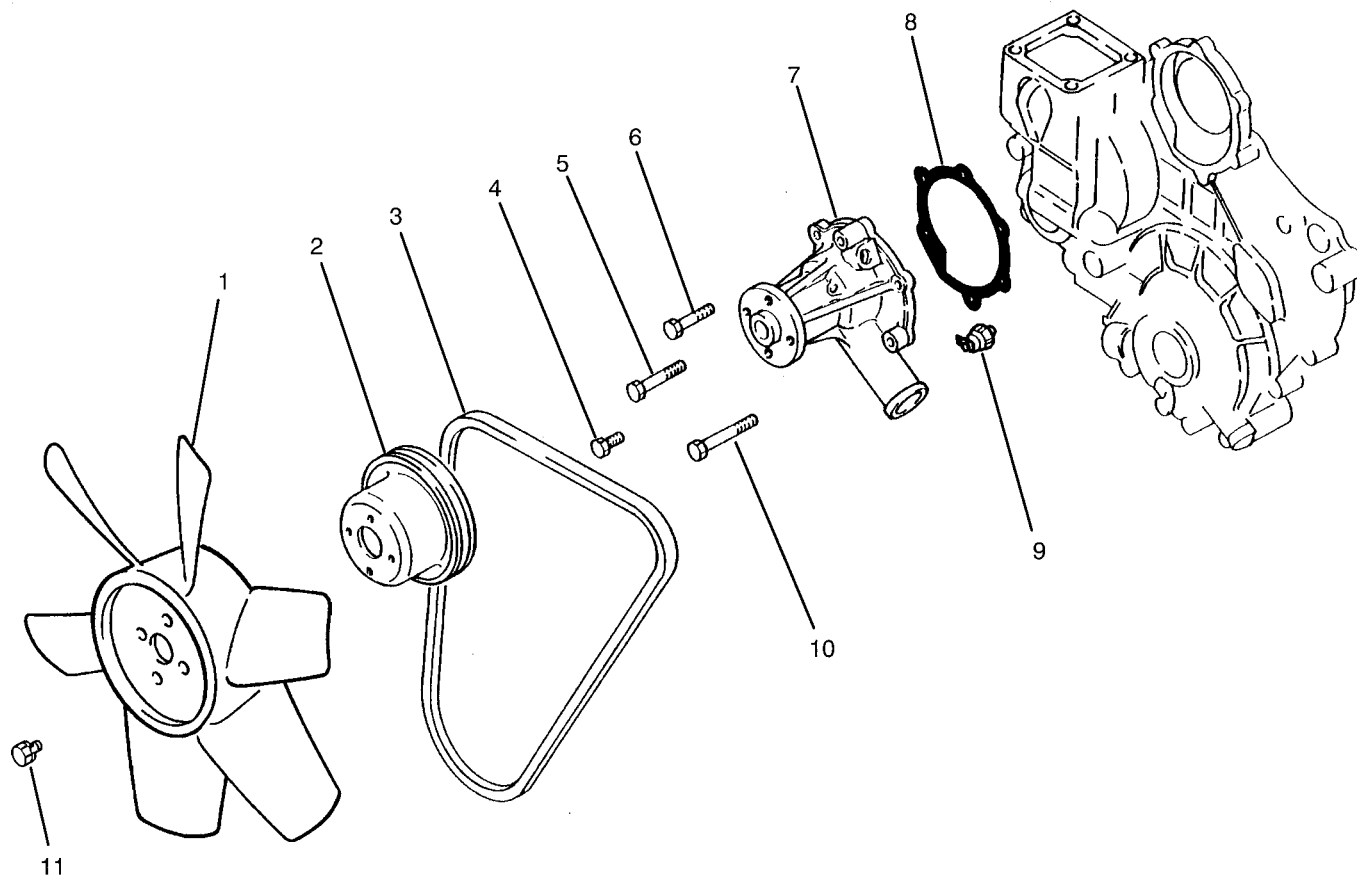
T-1766

ENGINE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
51	3241-6	Screw - Set, Sq. Hd.	2
52	3254-6	Washer - Lock, Int. Tooth	1
53	237-80	O-Ring	1
54	340-6	Fitting - Hydraulic (Incl. Ref. #53 & 55)	1
55	237-30	O-Ring	1
56	68-5810	Hose - Assembly (Incl. Ref. #57 & 58)	1
57	56-7984	Sleeve - Protective	1
58	3290-378	Tie - Cable	10
59	70-8450	Sleeve - Protective	3
60	70-8445	Sleeve - Protective	1
61	68-5850	Hose - Assembly (Incl. Ref. #58 & 59)	1
62	68-5840	Hose - Assembly (Incl. Ref. #58 & 60)	1
63	68-5770	Hose - Assembly (Incl. Ref. #58 & 59)	1

Ref. No.	Part No.	Description	No. Used
64	68-5710	Hose - Assembly (Incl. Ref. #58 & 59)	1
65	237-35	O-Ring	1
66	237-42	O-Ring	4
67	3256-24	Washer	10
68	237-22	O-Ring	3
69	2412-39	Clamp	1
70	48-7630	Screw - Cap, Metric	1
71	48-8010	Washer - Flat	1
72	48-8020	Washer - Lock	1
73	92-7168	Bracket - Engine, LH	1
74	92-8915	Spring	2
75	323-7	Screw - Cap Hex. Hd.	2
*	70-8550	Spark Arrester (Optional)	1

*Not Illustrated

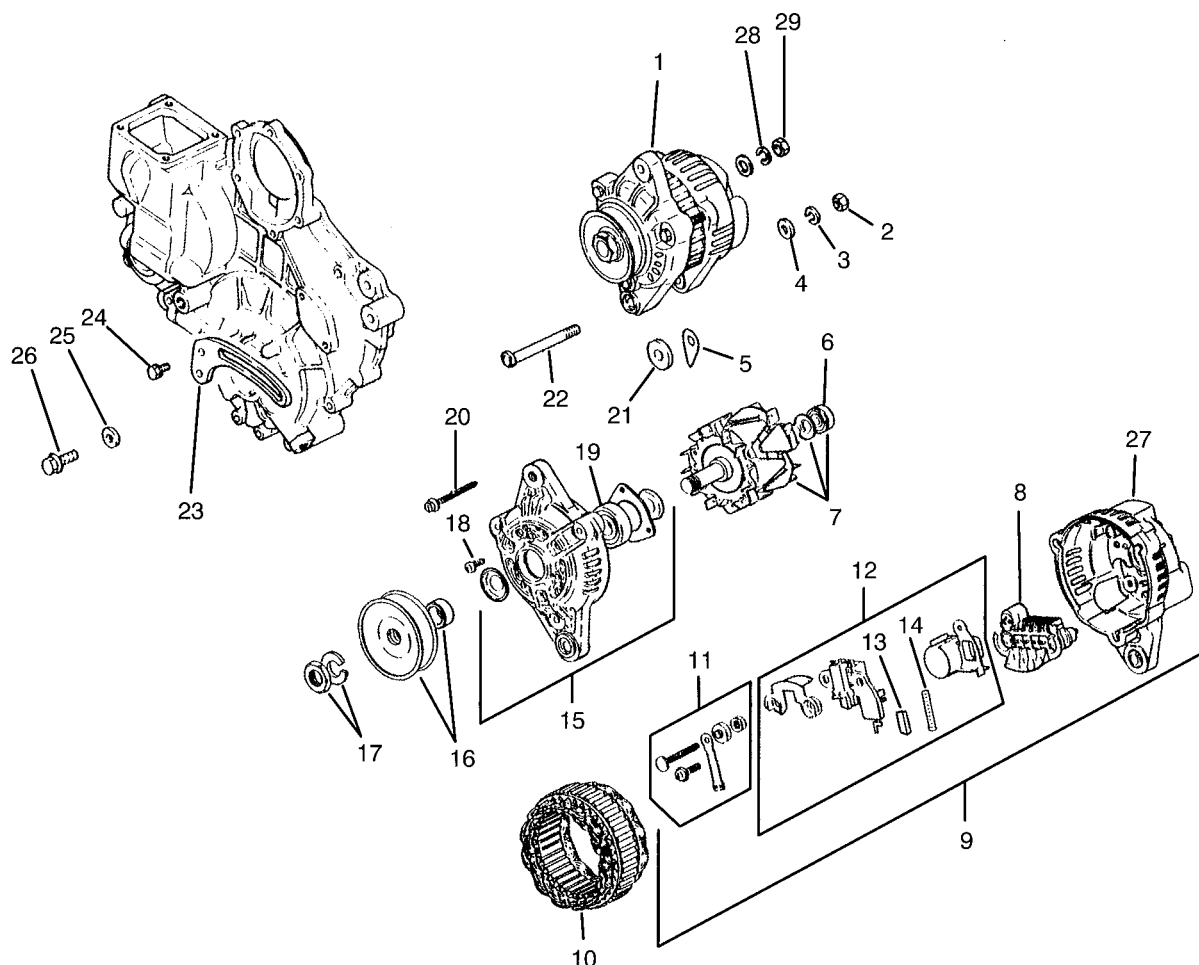


T-0614

WATER PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70-8730	Fan	1
2	67-4370	Pulley	1
3	67-4410	Belt - V	1
4	67-2330	Bolt	2
5	67-4400	Bolt	1
6	67-2600	Bolt	1

Ref. No.	Part No.	Description	No. Used
7	70-8740	Pump Assembly	1
8	67-4390	Gasket	1
9	67-4350	Switch Assy. - Press. Oil	1
10	67-2610	Bolt	2
11	42-9490	Bolt & Washer	4

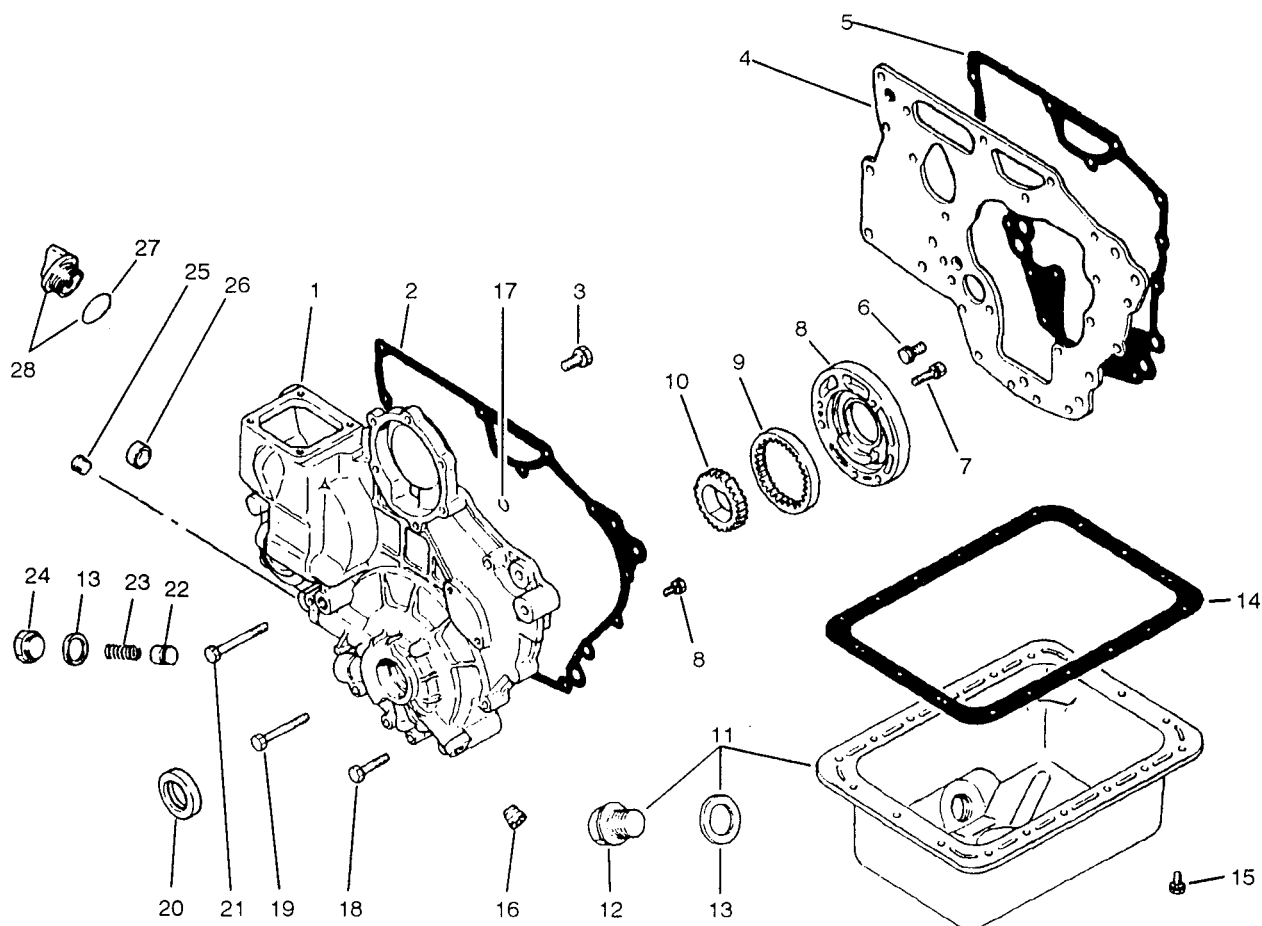


T-0573

ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-4630	Alternator Assembly (Incl. Ref. #6-17)	1
2	67-4670	Nut/d	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)	1
8	67-4930	Rectifier Assembly	1
9	67-4890	Rear Bracket Assembly (Incl. Ref. #8, 11 & 12)	1
10	67-4880	Stator Assembly	1
11	67-4900	Terminal Set	1
12	67-4910	Regulator Assembly (Incl. Ref. #13 & 14)	1
13	67-4920	Brush	2

Ref. No.	Part No.	Description	No. Used
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 - Special	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	67-4650	Brace	1
24	42-9440	Bolt & Washer	1
25	54-8660	Washer	1
26	67-4660	Bolt - Flange	1
27	5-3637	Washer - Flat	1
28	43-5920	Washer - Lock	1
29	43-5970	Nut - Hex.	1



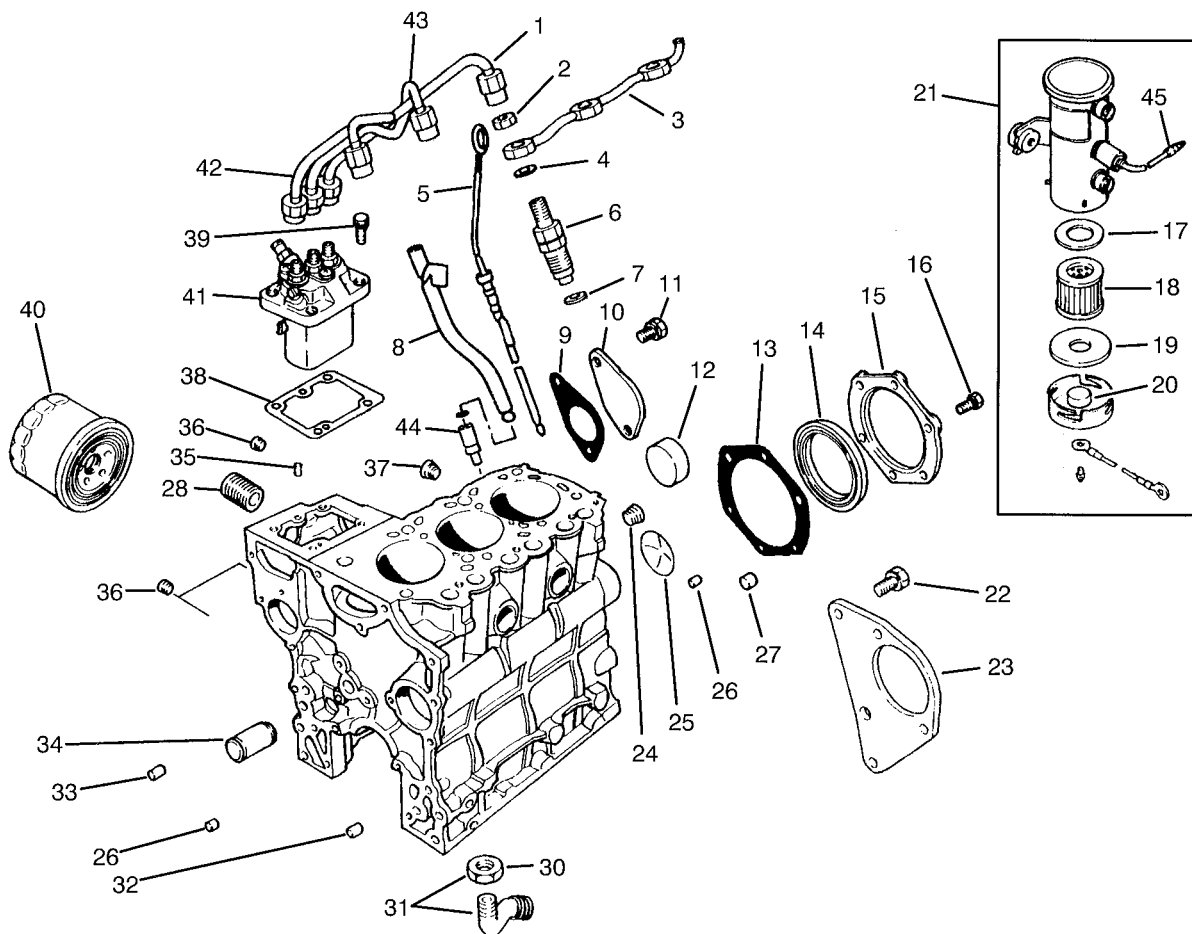
T-0613

CRANKCASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-2490	Crankcase Sub-Assembly	1
2	67-2580	Gasket - Case	1
3	67-2340	Bolt & Washer	3
4	67-2310	Plate	1
5	67-2320	Gasket - Plate	1
6	42-9440	Bolt & Washer	11
7	67-2560	Bolt & Washer	3
8	67-2550	Housing - Pump, Oil	1
9	67-2540	Gear - Outer	1
10	67-2530	Gear - Inner	1
11	67-2470	Oil Pan Assembly (Incl. Ref. #15 & 16)	1
12	42-9260	Plug	1
13	42-7290	Gasket - Drain, Oil	2
14	67-2480	Gasket - Pan, Oil	1
15	42-9490	Bolt & Washer	18

Ref. No.	Part No.	Description	No. Used
16	42-7210	Plug	1
17	67-2630	O-Ring	2
18	67-2600	Bolt	3
19	67-2610	Bolt	4
20	67-2590	Seal - Oil	1
21	67-2620	Bolt	1
22	67-2500	Plunger	1
23	67-2510	Spring	1
24	67-2520	Plug	1
25	67-2570	Plug	1
26	67-2640	Cap	1
27	67-2660	O-Ring	1
28	67-2650	Oil Fill Cap Assembly (Incl. Ref. #27)	1
*	70-8790	Gasket Kit	1

*Not Illustrated

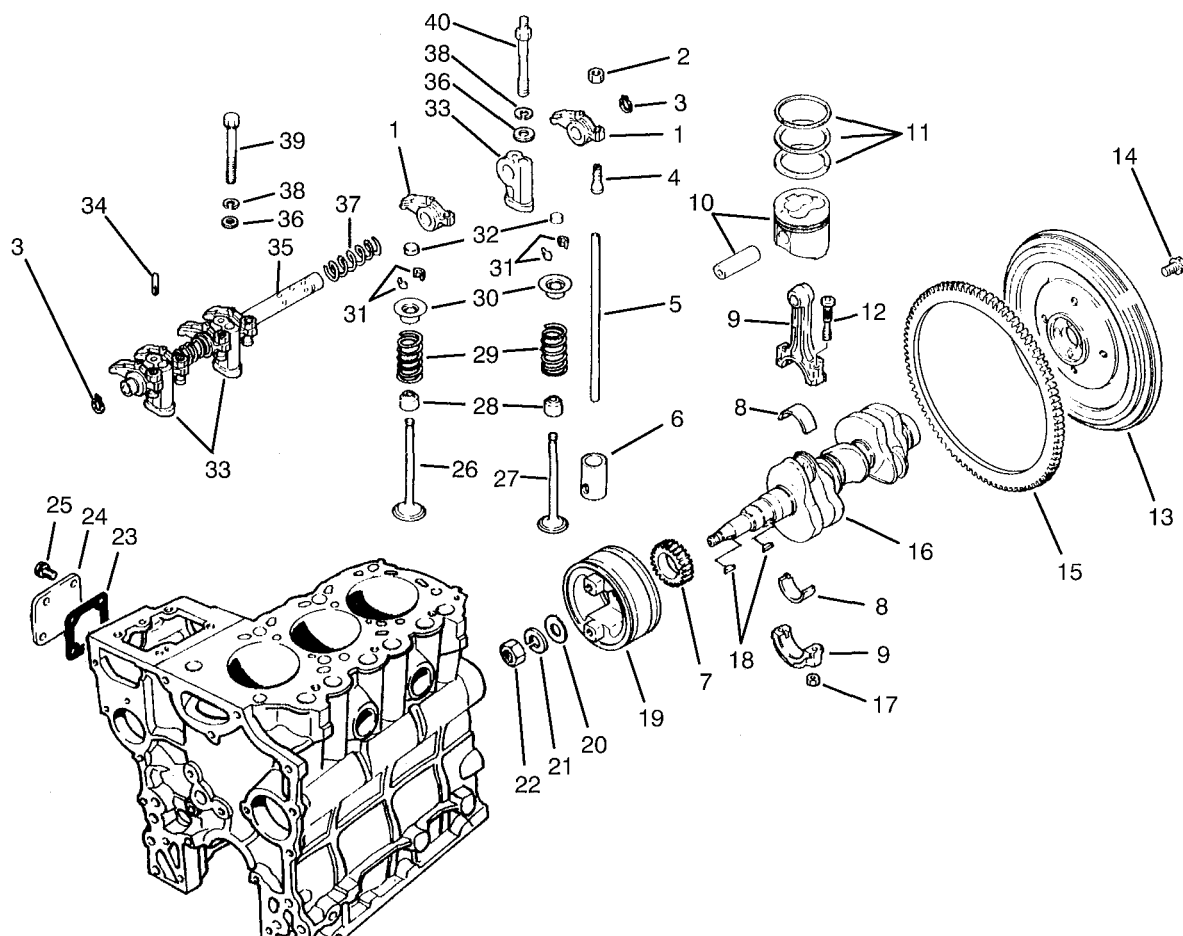


T-0569

FUEL SUPPLY & ENGINE BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	67-3420	Pipe Assembly No. 3	1	27	67-2380	Bushing	3
2	67-3430	Nut	3	28	56-1230	Shaft - Filter, Oil	1
3	70-8700	Pipe - Return, Fuel	1	29	67-2460	Bolt	4
4	67-3440	Gasket	3	30	42-9650	Nut - Jam	1
5	67-2450	Dipstick	1	31	67-4340	Screen Assembly (Incl. Ref. #30)	1
6	67-3380	Nozzle & Holder Assembly	1	32	67-2370	Bushing	1
7	67-3390	Gasket	3	33	42-7190	Bushing	1
8	67-2220	Guide	1	34	67-2260	Shaft - Idler	1
9	67-2300	Gasket	1	35	56-0220	Pin	2
10	67-2290	Cover	1	36	67-2210	Plug	3
11	67-2340	Bolt & Washer	2	37	56-0100	Plug	1
12	56-0020	Plug	1	38	67-3280	Shim - 0.2	1
13	67-2280	Gasket	1	*	67-3290	Shim - 0.3	1
14	67-2230	Seal - Oil	1	*	67-3300	Shim - 0.4	1
15	67-2270	Case	1	*	67-3310	Shim - 0.5	1
16	67-2330	Bolt	6	*	67-3320	Shim - 0.6	1
17	43-2570	Gasket	1	*	67-3330	Shim - 0.7	1
18	43-2550	Filter	1	*	67-3340	Shim - 0.8	1
19	43-2560	Gasket	1	*	67-3350	Shim - 0.9	1
20	43-2580	Magnet	1	*	67-3360	Shim - 1.0	1
21	53-8150	Pump Assembly (Incl. Ref. #17-20)	1	39	67-3370	Bolt & Washer	4
22	70-8890	Housing - Flywheel	1	40	67-4330	Oil Filter Assembly	1
23	67-2440	Bolt & Washer	9	41	70-8690	Pump Assembly	1
24	67-2390	Plug	1	42	67-3400	Pipe Assembly No.1	1
25	67-2350	Plug	1	43	67-3410	Pipe Assembly No.2	1
26	67-2360	Bushing	2	44	70-8530	Wire Assembly	1

*Not Illustrated



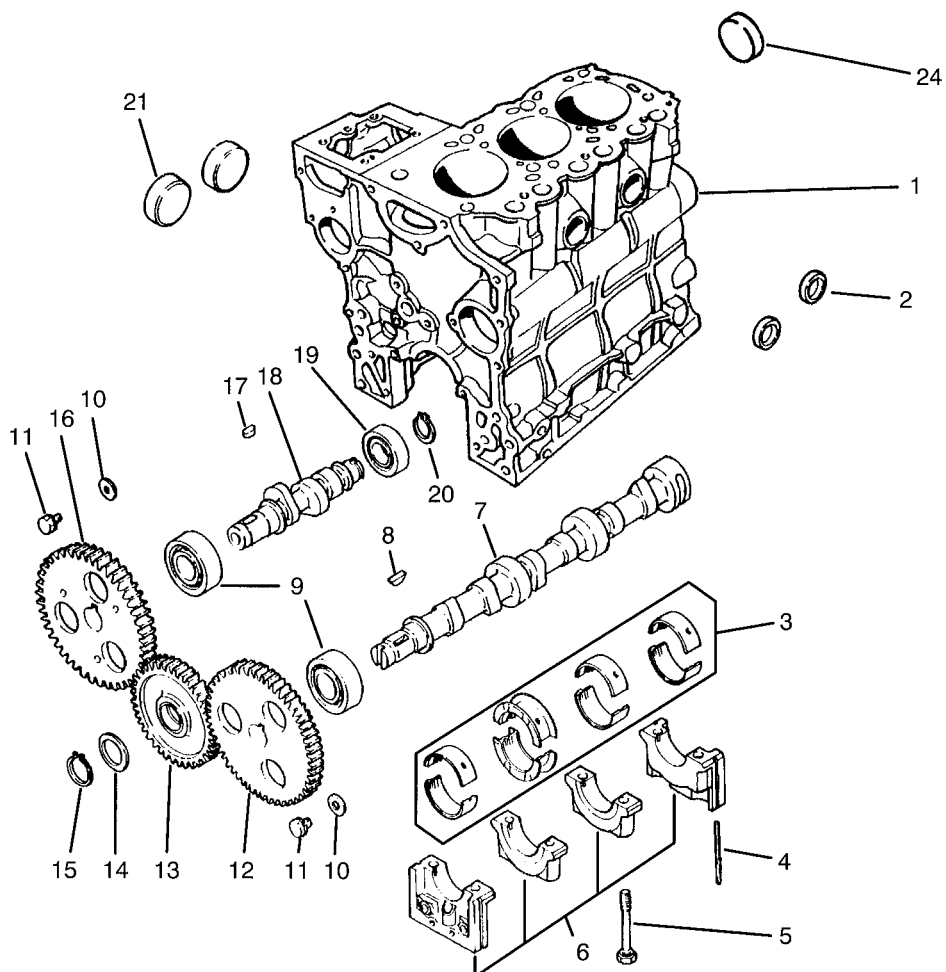
T-0611

VALVES & CRANKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-3160	Arm - Rocker	6
2	67-3230	Nut - Jam	6
3	67-3040	Ring - Snap	2
4	67-3210	Screw - Adjusting	6
5	67-3150	Rod - Push	6
6	67-3120	Tappet	6
7	67-2910	Gear	1
8	67-2880	Bearing Set - Std.	1
*	67-2890	Bearing Set - 0.25 U.	1
*	67-2900	Bearing Set - 0.50 U.	1
9	70-8860	Connecting Rod Assembly (Incl. Ref. #8, 9, 12 & 17)	3
10	70-8830	Piston & Pin Set - Std.	1
*	70-8840	Piston & Pin Set - 0.25 U.	1
*	70-8850	Piston & Pin Set - 0.50 U.	1
11	70-8800	Piston Ring Set - Std.	1
*	70-8810	Piston Ring Set - 0.25 U.	1
*	70-8820	Piston Ring Set - 0.50 U.	1
12	67-2860	Bolt	6
13	67-2970	Flywheel Assembly (Incl. Ref. #15)	1
14	67-2990	Bolt	4
15	67-2980	Gear - Ring	1
16	67-2920	Crankshaft	1

Ref. No.	Part No.	Description	No. Used
17	42-9590	Nut	6
18	56-0480	Key - Woodruff	2
19	70-8680	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	67-4250	Cover	1
25	42-9440	Bolt & Washer	4
26	67-3130	Valve - Intake	3
27	67-3140	Valve - Exhaust	3
28	42-7870	Seal	6
29	67-3110	Spring	6
30	67-3100	Retainer	6
31	42-7860	Lock	12
32	67-3180	Cap	6
33	67-3200	Stay - Rocker	3
34	67-3220	Pin	1
35	67-3190	Rocker Shaft Assembly	1
36	42-9660	Washer	3
37	67-3170	Spring	2
38	67-3260	Washer	3
39	42-9510	Bolt	1
40	67-3250	Bolt - Stay, Rocker	2

*Not Illustrated



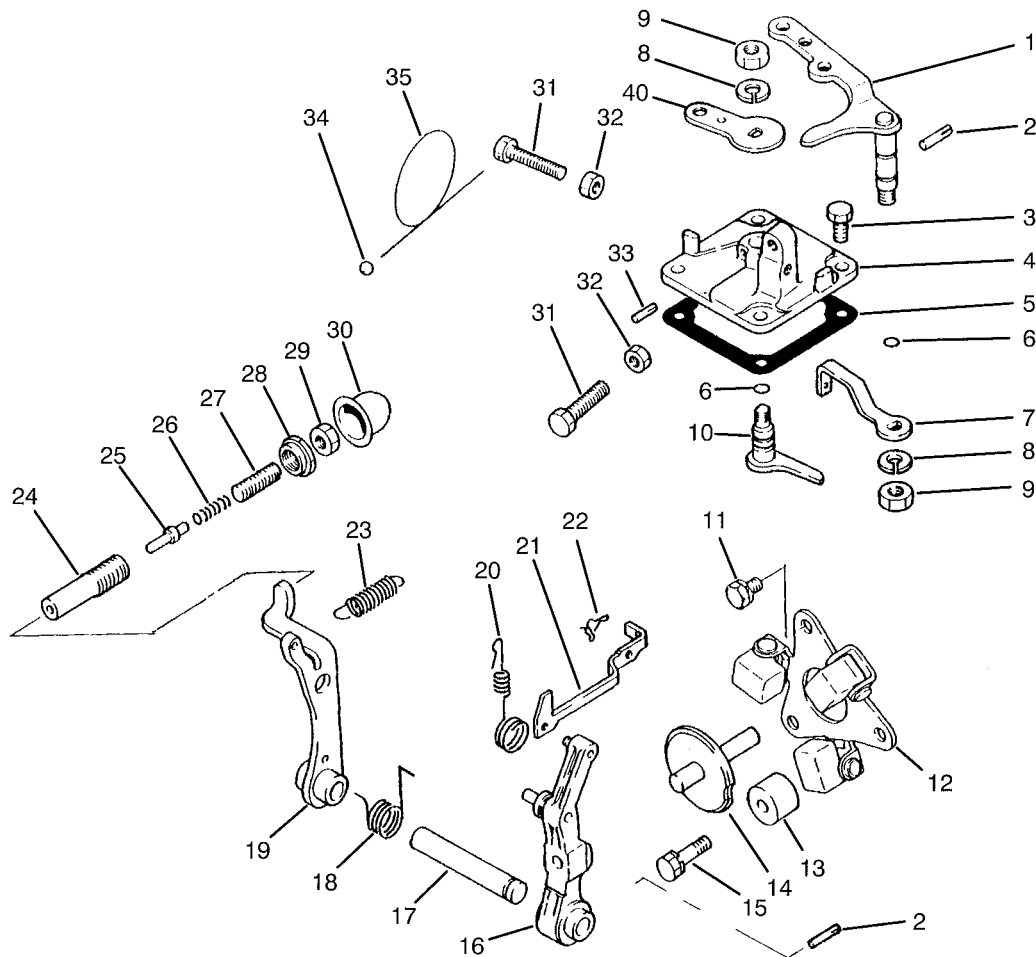
T-0610

CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70-8650	Block - Sub-Assembly (Incl. Ref. #2, 5-6 & 21)	1
2	42-7080	Cap	2
3	67-2400	Bearing Set - Std.	1
*	67-2410	Bearing Set - 0.25	1
*	67-2420	Bearing Set - 0.50	1
4	67-2200	Seal	4
5	67-2250	Bolt	8
6		Cap Assembly	1
7	67-3010	Camshaft	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 & Washer	2
12	67-3020	Gear	1
13	67-3090	Gear Assembly	1
14	67-3040	Plate	1
15	56-1060	Ring - Snap	1
16	67-3070	Gear	1
17	42-7840	Key	1
18	67-3060	Shaft	1
19	67-3050	Bearing	1
20	67-3080	Ring - Snap	1
21	56-0020	Plug	2

*Not Illustrated



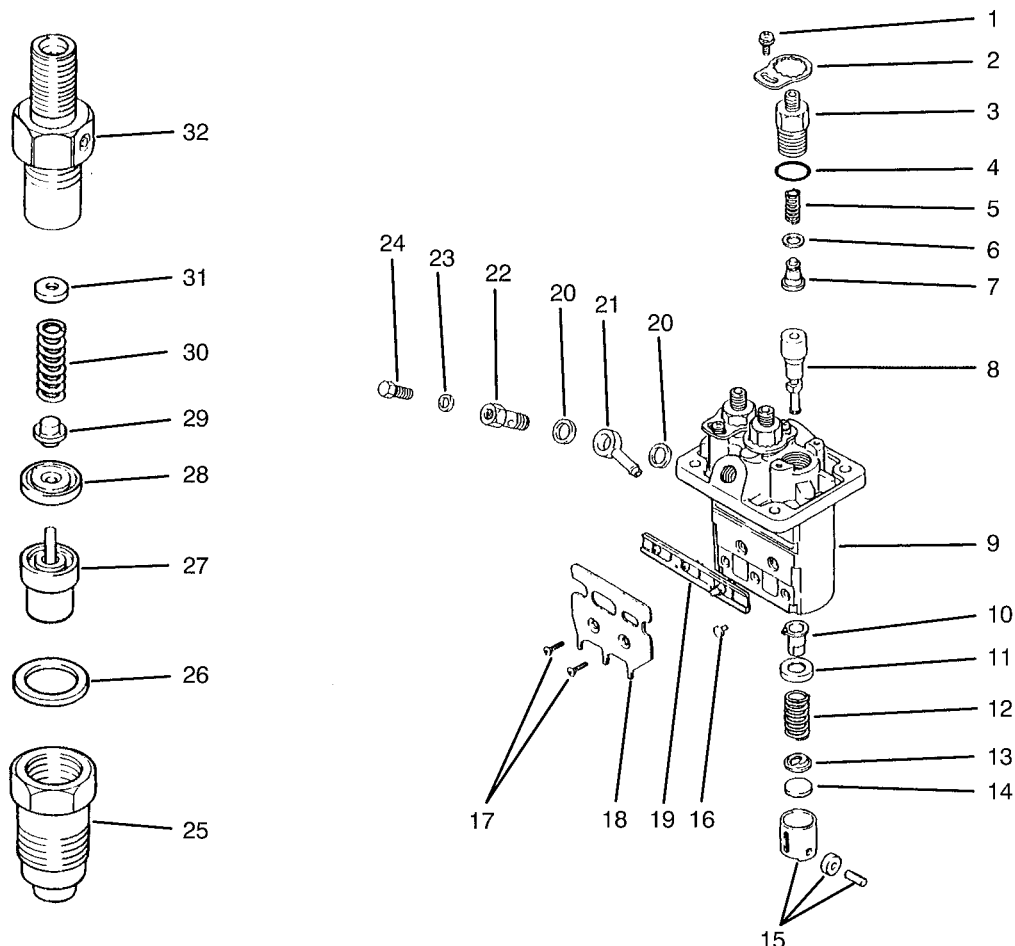
T-0615

GOVERNOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-3990	Speed Control Lever Assy.	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	O-Ring	2
7	67-4020	Lever - Spring, Governor	1
8	67-3260	Washer	2
9	42-9640	Nut - Jam	2
10	67-4140	Lever - Stop Assembly	1
11	42-9430	Bolt & Washer	2
12	67-4040	Weight Assembly	1
13	67-4010	Stopper	1
14	67-4070	Sliding Shaft Assembly	1
15	67-4280	Bolt & Washer	1
16	67-4060	Governor Lever Assembly	1
17	67-4050	Shaft	1
18	67-5040	Spring	1
19	67-4090	Tension Lever Assembly	1
20	70-8720	Spring - Tie Rod	1
21	67-4030	Rod - Tie	1

Ref. No.	Part No.	Description	No. Used
22	67-4080	Clip	1
23	67-4260	Spring	1
24	67-4210	Case - Torque Spring	1
25	67-4230	Stopper	1
26	67-4190	Spring - Torque	1
27	67-4220	Screw - Adjusting	1
28	67-4200	Nut - Special	1
29	67-4180	Nut	1
30	67-4240	Cap	2
31	42-9420	Bolt	2
32	67-4290	Nut	2
33	67-4120	Pin	1
34	42-8690	Metal - Sealing	1
35	42-8700	Wire	1
36	67-4150	Lever - Stop	1
*	67-4110	Cover Assembly (Incl. Ref. #4, 6, 8-10, 33 & 36)	1
*	67-4170	Spring Set (Incl. Ref. #24-29)	1

*Not Illustrated



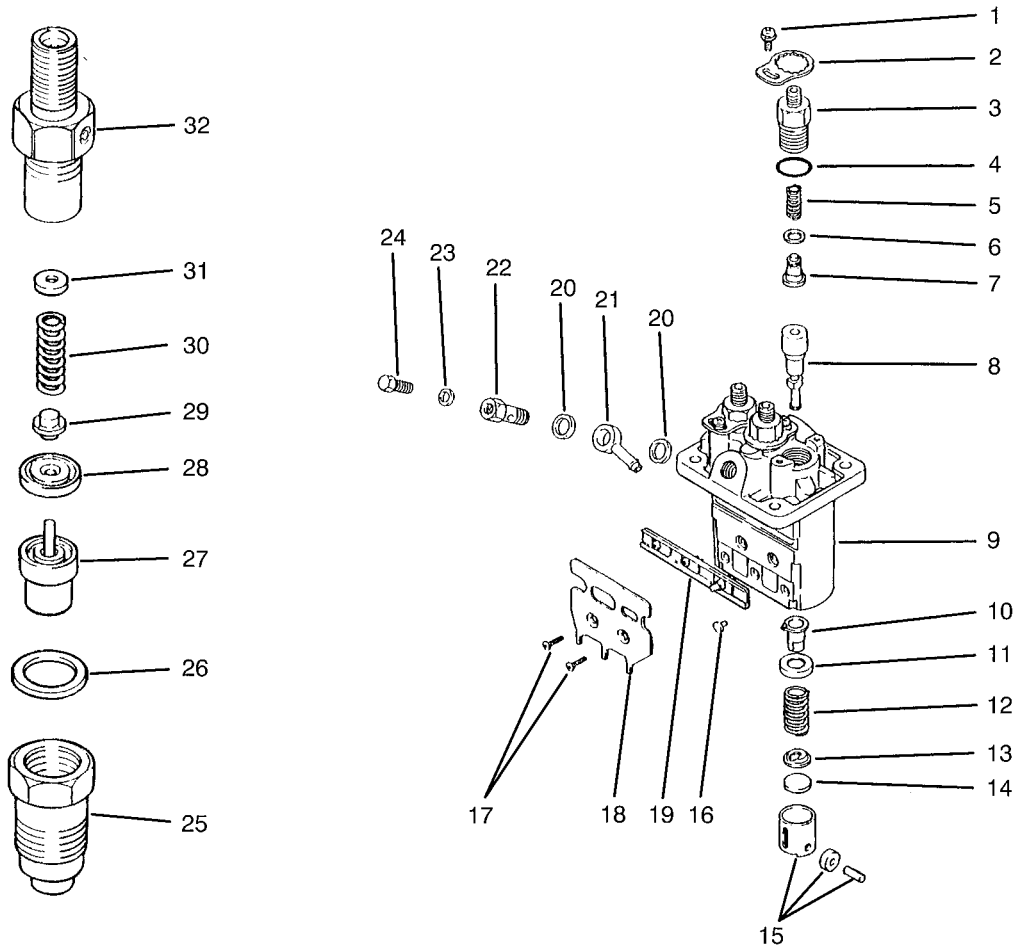
T-0570

FUEL INJECTION PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-3770	Screw & Washer	3
2	67-3760	Plate -- Lock	3
3	67-3470	Holder -- Delivery Valve	3
4	67-3480	O--Ring	3
5	67-3490	Spring	3
6	42-8240	Gasket	3
7	67-6500	Valve	3
8	70-8710	Element	3
9	67-3460	Housing -- Pump	1
10	67-3520	Sleeve	3
11	67-3530	Seat	3
12	67-3540	Spring	3
13	67-3550	Seat	3
14	67-3560	Plate -- Shim 1.85	1
*	67-3570	Plate -- Shim 1.9	1
*	67-3580	Plate -- Shim 1.95	1
*	67-3590	Plate -- Shim 2.0	1
*	67-3600	Plate -- Shim 2.05	1
*	67-3610	Plate -- Shim 2.1	1
*	67-3620	Plate -- Shim 2.15	1
*	67-3630	Plate -- Shim 2.2	1
*	67-3640	Plate -- Shim 2.25	1
*	67-3650	Plate -- Shim 2.3	1
*	67-3660	Plate -- Shim 2.35	1
*	67-3670	Plate -- Shim 2.4	1
*	67-3680	Plate -- Shim 2.45	1
*	67-3690	Plate -- Shim 2.5	1

*Not Illustrated

Ref. No.	Part No.	Description	No. Used
15	67-3700	Tappet Assembly	3
16	67-3810	Pin	3
17	67-3790	Screw	2
18	67-3800	Bracket	1
19	67-3780	Rack Assembly	1
20	67-3750	Washer	2
21	67-3740	Nipple	1
22	67-3730	Screw	1
23	67-3720	Washer	1
24	67-3710	Screw -- Bleed, Air	1
25	67-3970	Nut	3
26	67-3980	Gasket	3
27	67-3960	Nozzle Assembly	3
28	67-3950	Piece	3
29	67-3940	Pin	3
30	67-3930	Spring	3
31	67-3830	Washer -- 1.25	1
*	67-3840	Washer -- 1.3	1
*	67-3850	Washer -- 1.35	1
*	67-3860	Washer -- 1.4	1
*	67-3870	Washer -- 1.45	1
*	67-3880	Washer -- 1.5	1
*	67-3890	Washer -- 1.55	1
*	67-3900	Washer -- 1.6	1
*	67-3910	Washer -- 1.65	1
*	67-3920	Washer -- 1.7	1



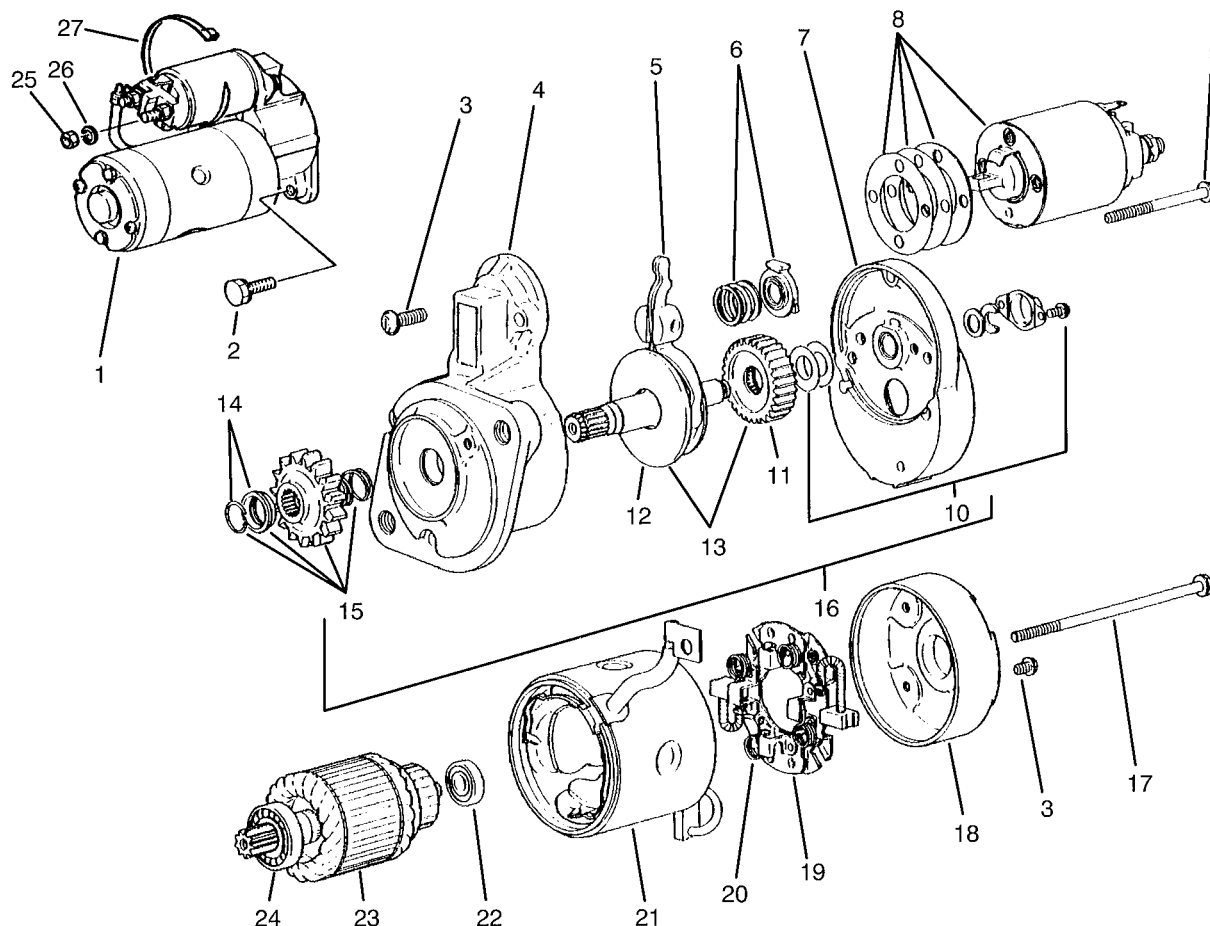
T-0570

FUEL INJECTION PUMP ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
32 *	67-3820 70-8690	Body Pump Assembly (Incl. Ref. #1-24)	3 1

Ref. No.	Part No.	Description	No. Used
* *	67-3380	Nozzle & Holder Assembly (Incl. Ref. #25-32)	3

*Not Illustrated

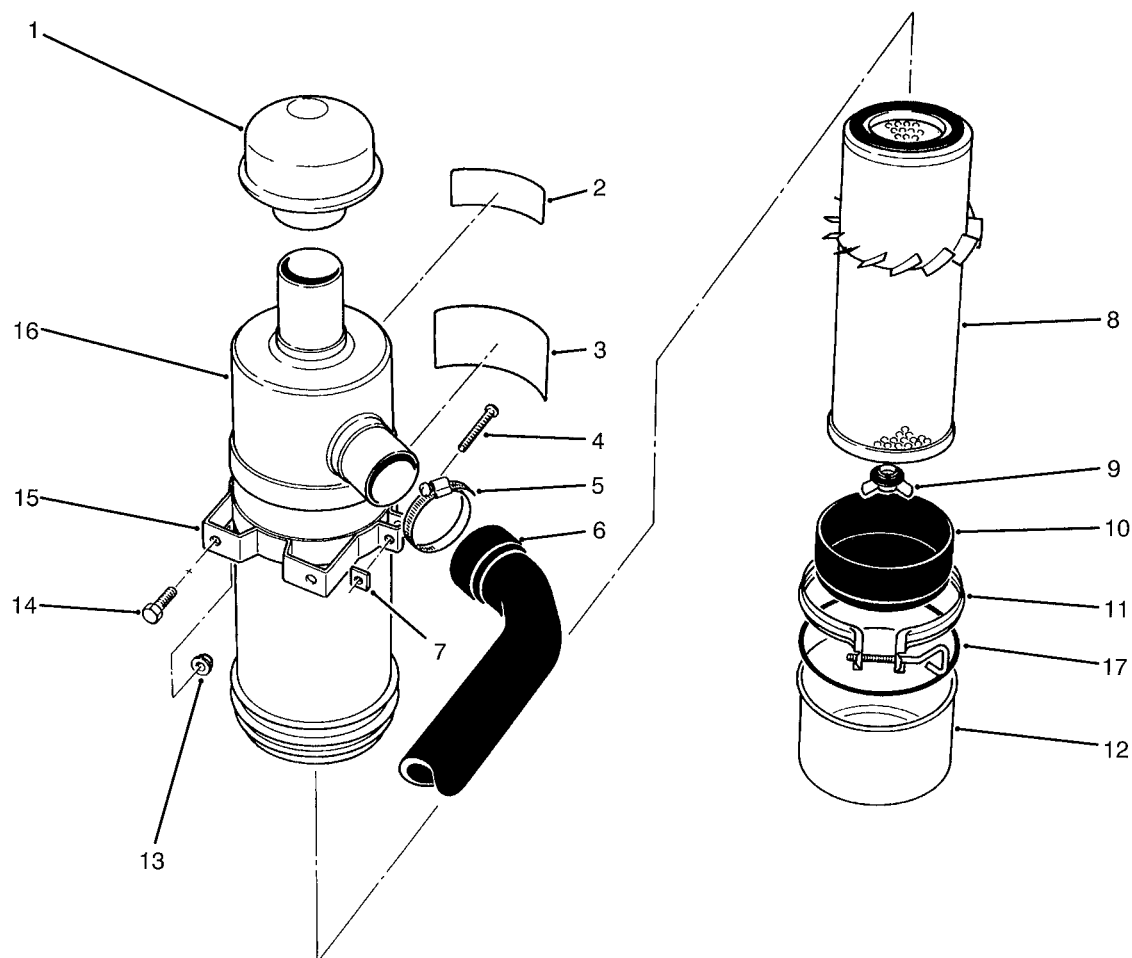


T-0616

STARTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70-8760	Starter Assembly (Incl. Ref. #3-24)	1
2	67-4610	Bolt & Washer	2
3	56-1510	Screw - Set	1
4	70-8770	Front Basket Assembly	1
5	67-4720	Lever Assembly	1
6	67-4730	Spring Set	1
7	70-8780	Center Bracket Assembly	1
8	67-4750	Switch Assembly	1
9	52-1570	Bolt Set	1
10	56-1680	Cover Set	1
11	56-1670	Gear	1
12	67-4790	Shaft Assembly	1
13	67-4780	Gear Set (Incl. Ref. #11 & 12)	1
14	56-1640	Stopper Set	1
15	67-4770	Pinion Set (Incl. Ref. #14)	1

Ref. No.	Part No.	Description	No. Used
16	67-4760	Shaft Assembly (Incl. Ref. #10, 13 & 15)	1
17	56-1610	Bolt	1
18	56-1720	Rear Bracket Assembly	1
19	56-1700	Brush Holder Assembly (Incl. Ref. #20)	1
20	56-1710	Spring - Brush	4
21	67-4800	Yoke Assembly	1
22	56-1600	Bearing - Rear	1
23	56-1580	Armature Set (Incl. Ref. #22 & 24)	1
24	56-1590	Bearing - Front	1
25	57-6390	Nut - Hex.	2
26	42-9850	Washer - Lock	2
27	3290-379	Tie - Cable	2

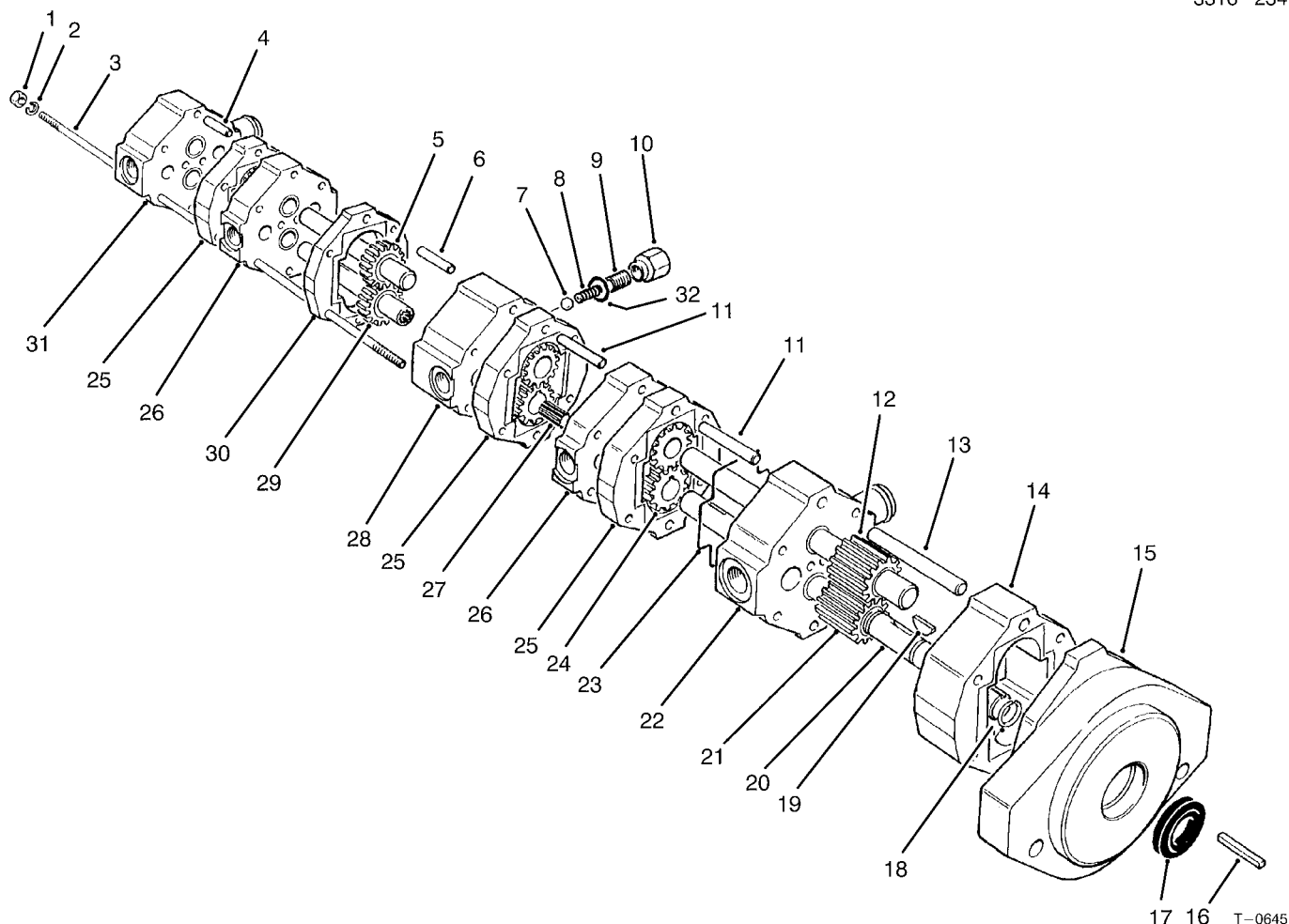


T-0636

AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27-7180	Cap - Inlet, Air Cleaner	1
2	67-1700	Decal - Fluid, Starting	1
3	27-7160	Decal - Instructions	1
4	3258-19	Screw - Round Head	2
5	2412-42	Clamp - Hose	2
6	68-5900	Hose - Cleaner, Air	1
7	32107-11	Nut	2
8	27-7110	Element - Cleaner, Air	1
9	27-7120	Nut & Gasket Assembly	1
10	27-7140	Skirt - Baffle	1

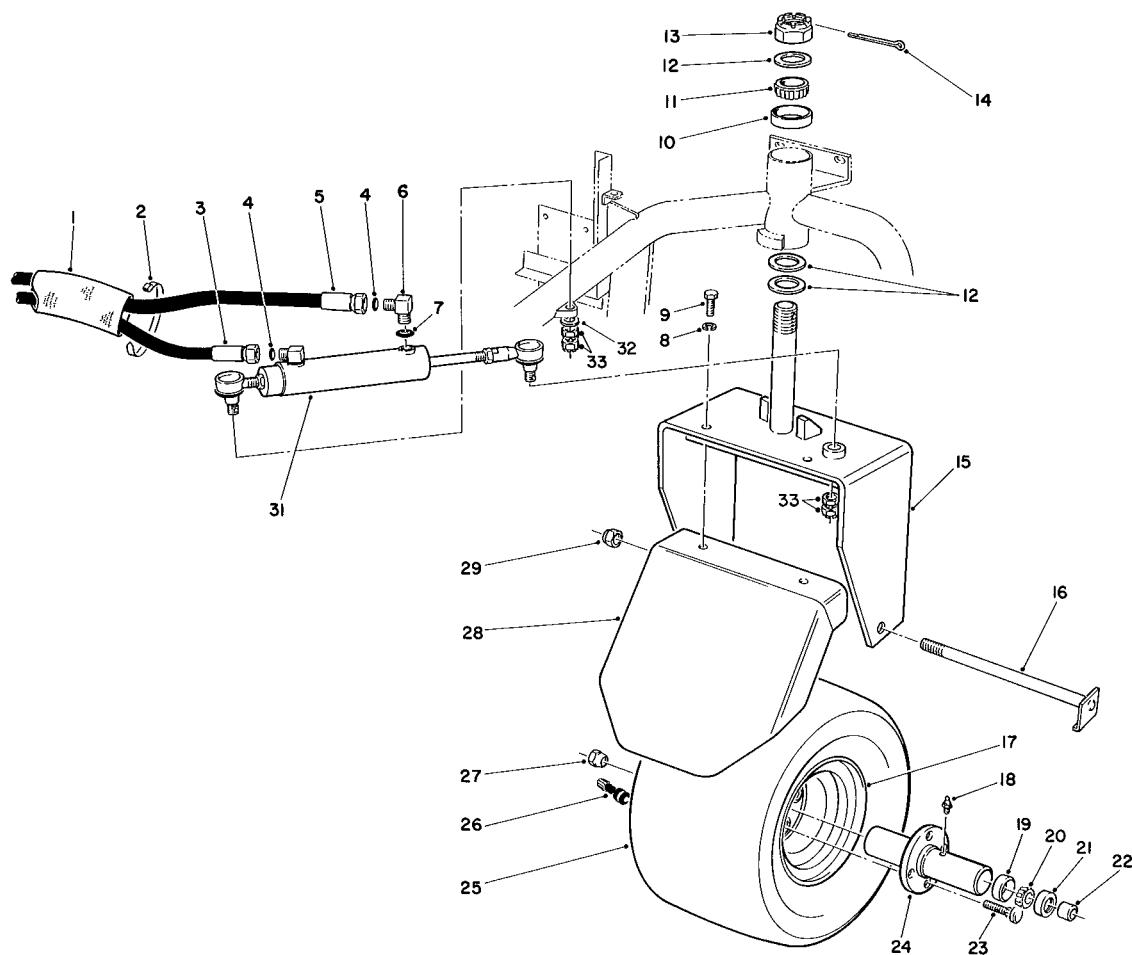
Ref. No.	Part No.	Description	No. Used
11	27-7130	Clamp Assembly	2
12	27-7150	Cap Assembly	1
13	32128-20	Nut - Lock, Flange	4
14	322-2	Screw - Cap, Hex. Hd.	4
15	27-7170	Band Assembly (Incl. Ref. #4 & 7)	2
16	27-7100	Air Cleaner Assembly (Incl. Ref. #3 & 8-12)	1
17	80-3330	Gasket	1



HYDRAULIC PUMP 68-4940

Ref. No.	Part No.	Description	No. Used
1	3217-6	Nut - Lock	4
2	354-16	Washer - Lock	4
3	354-17	Stud - Threaded	4
4	354-11	Pin - Dowel	2
5	354-9	Idler Shaft - Gear Assy.	1
6	354-12	Pin - Dowel	2
7		Ball - Valve	1
8		Spring - Compression	1
9		Adjuster - Valve	1
10		Cap - Adjuster, Valve	1
11	354-13	Pin - Dowel	4
12	354-10	Idler Shaft - Gear Assy.	1
13	354-14	Pin - Dowel	2
14	353-971	Plate - Gear 66B	1
15	354-2	Body Assembly	1
16	5-0946	Key - Square	1
17	354-15	Seal - Shaft	1

Ref. No.	Part No.	Description	No. Used
18	353-886	Ring - Retaining	2
19	353-884	Key - Woodruff	4
20	354-1	Shaft - Drive	1
21	353-964	Gear - 66B	1
22	354-3	Bearing Plate Assembly	1
23	353-922	Seal - Ring	10
24	353-967	Gear - 33B	6
25	353-969	Plate - Gear 33B	3
26	353-923	Bearing Plate Assembly	2
27	354-5	Adapter - Splined	1
28	354-4	Bearing Plate Assembly (Incl. Ref. #7-10 & 32)	1
29	354-8	Drive Shaft - Gear Assy.	1
30	354-6	Plate - Gear 18B	1
31	354-7	Cover Assembly	1
32	354-35	Gasket	1

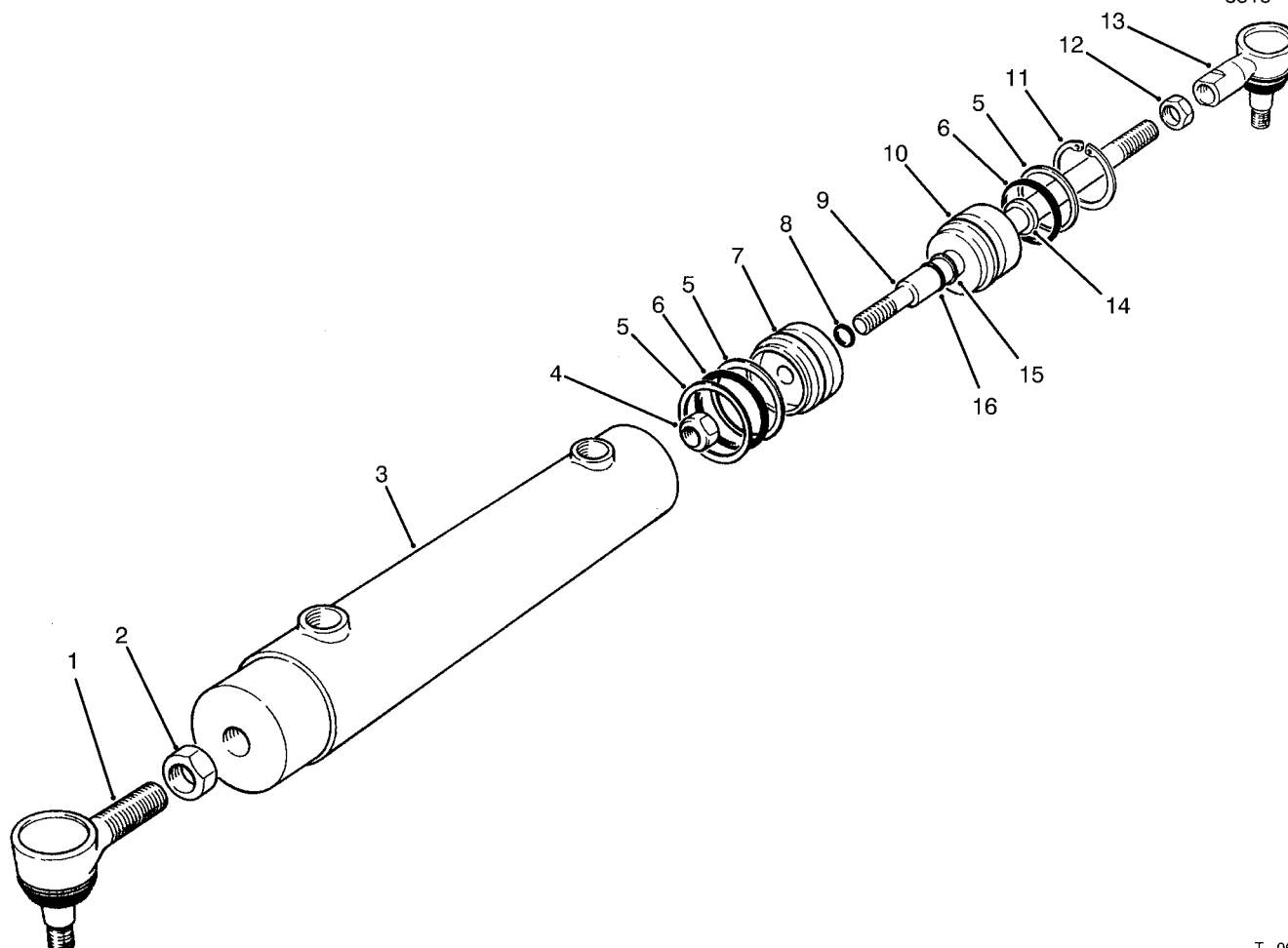


T-0638

REAR WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	56-7983	Sleeve - Protective	1
2	3290-378	Tie - Cable	2
3	68-5750	Hose - Hydraulic	1
4	237-35	O-Ring	2
5	68-5760	Hose - Hydraulic	1
6	340-132	Fitting - Hydraulic (Incl. Ref. #4 & 7)	2
7	237-78	O-Ring	2
8	3253-4	Washer - Lock	2
9	322-3	Screw - Cap, Hex. Hd.	2
10	254-61	Cup - Bearing	2
11	254-70	Cone - Bearing	2
12	18-6320	Washer - Thrust	3
13	32136-9	Nut - Castle	1
14	3272-37	Pin - Cotter	1
15	70-8330	Fork - Caster	1
16	70-8370	Bolt - Wheel, Castor	1

Ref. No.	Part No.	Description	No. Used
17	242-86	Rim	1
18	302-5	Fitting - Grease	1
19	254-79	Cup - Bearing	2
20	254-78	Cone - Bearing	2
21	253-111	Seal - Bearing	2
22	70-8490	Spacer	2
23	10-6830	Stud - Drive	4
24	75-9440	Hub Assembly (Incl. Ref. #18, 19 & 23)	1
25	70-8500	Tire	1
26	232-24	Stem - Valve	1
27	242-50	Nut - Lock	4
28	70-8400	Fender - Rear	1
29	3296-50	Nut - Lock	1
31	68-4770	Cylinder - Steering, Hyd.	1
32	3256-24	Washer - Flat	1
33	3220-3	Nut - Jam	4

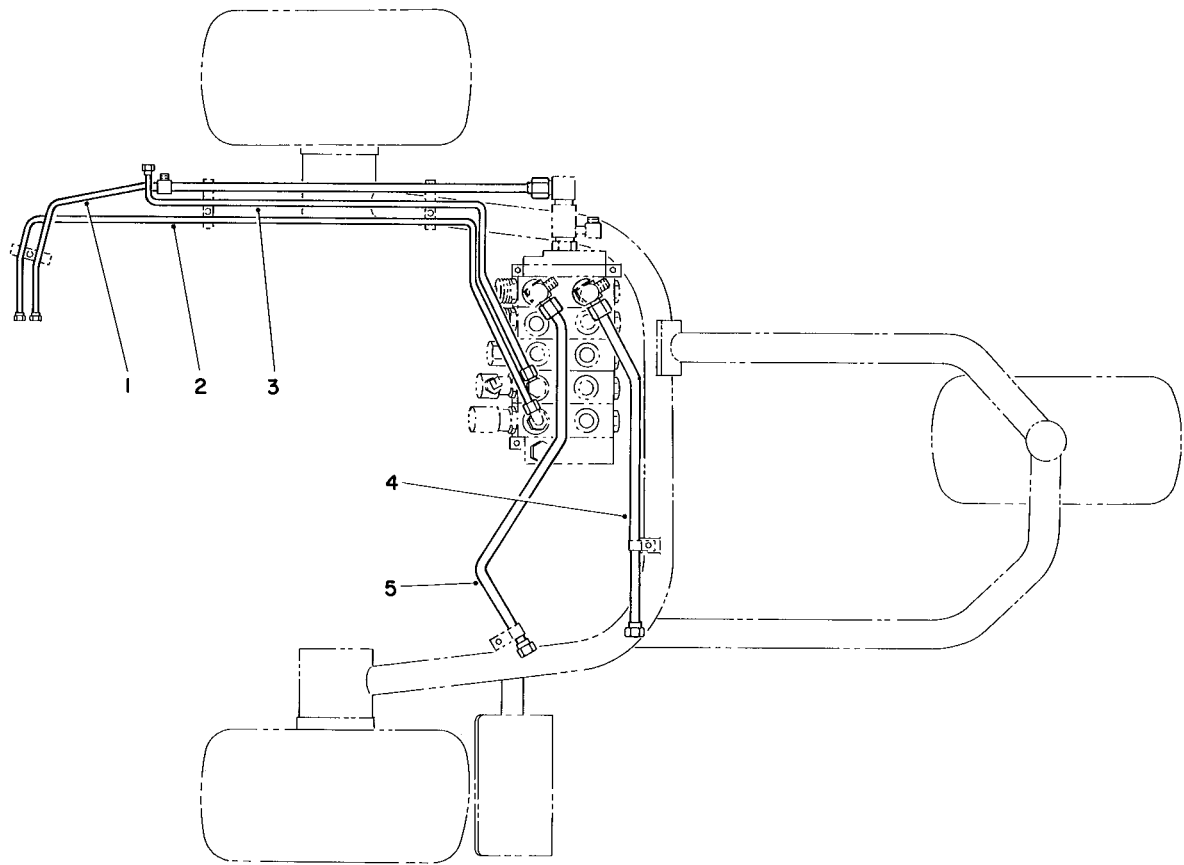


T-0607

HYDRAULIC STEERING CYLINDER

Ref. No.	Part No.	Description	No. Used
1	21-0140	Joint - Ball	1
2	3219-5	Nut - Jam	1
3	68-4820	Barrel	1
4	32152-7	Nut - Lock	1
5		Washer - Backup	3
6		O-Ring	2
7	68-4790	Piston - Cylinder	1
8		O-Ring	1
9	68-4800	Shaft - Cylinder	1
10	68-4780	Head - Cylinder	1

Ref. No.	Part No.	Description	No. Used
11	68-4810	Ring - Retaining	1
12	3218-5	Nut - Jam	1
13	68-5150	Joint - Ball	1
14		Seal - Dust	1
15		Washer - Backup	1
16		Seal - Dust	1
*	68-4830	Cylinder Repair Kit (Incl. Ref. #5-6, 8 & 14)	1
*	68-4770	Hydraulic Steering Cylinder (Incl. Ref. #3-11 & 14-16)	1



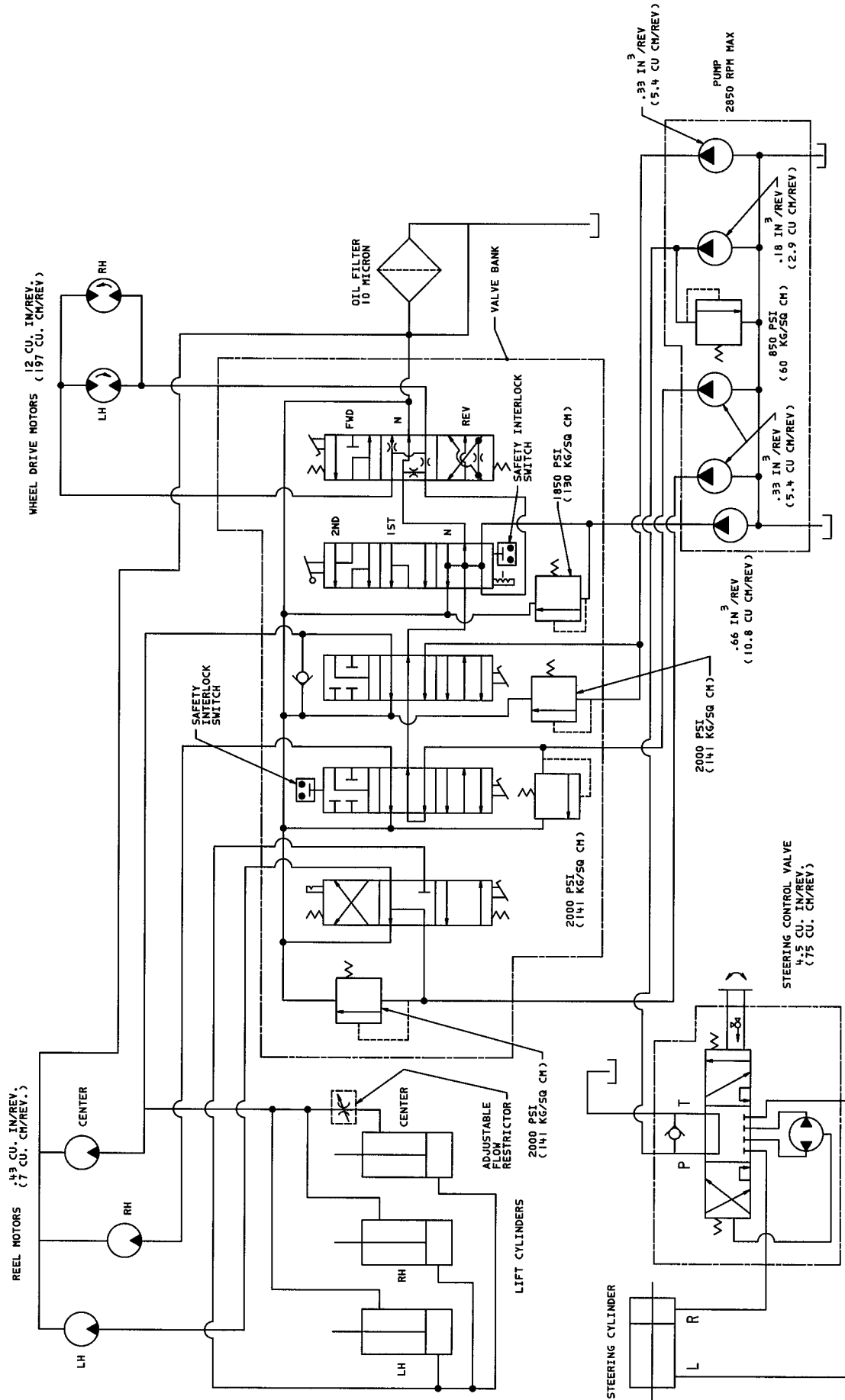
T-0647

HYDRAULIC SYSTEM ASSEMBLY

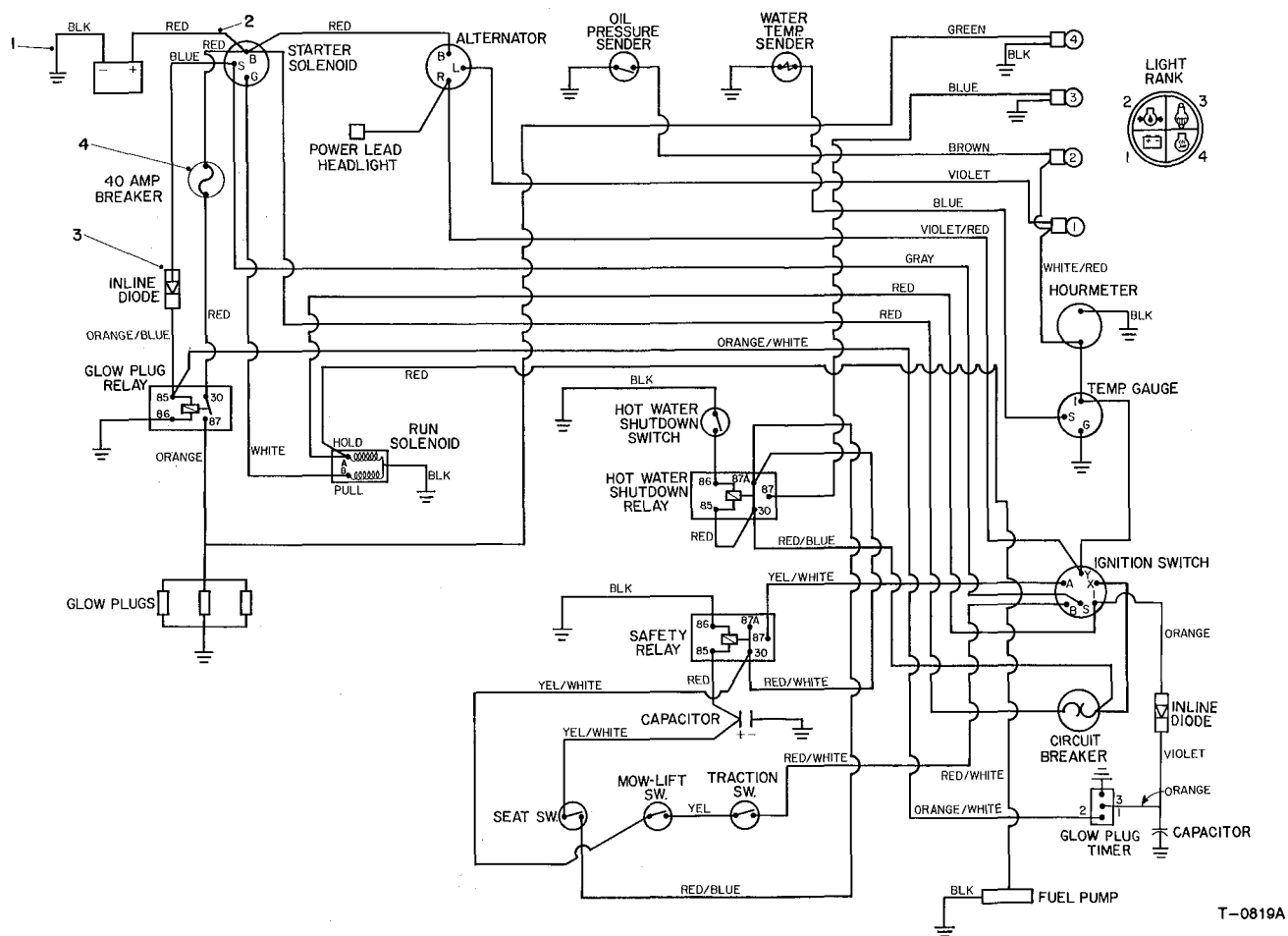
Ref. No.	Part No.	Description	No. Used
1	63-4040	Tube - Hydraulic	1
2	63-4020	Tube - Hydraulic	1
3	63-4030	Tube - Hydraulic	1

Ref. No.	Part No.	Description	No. Used
4	83-1200	Tube - Hydraulic	1
5	70-7130	Tube - Hydraulic	1

HYDRAULIC SCHEMATIC



T-1553



ELECTRICAL SCHEMATIC

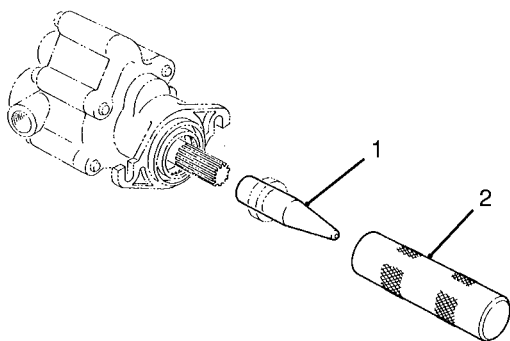
Ref. No.	Part No.	Description	No. Used
1	92-1190	Cable - Battery, Negative	1
2	92-1191	Cable - Battery, Positive	1
3	86-7470	Diode - Inline	2
4	70-8570	Breaker - Circuit	1

Ref. No.	Part No.	Description	No. Used
5	92-3057	Capacitor Assembly	1
*	92-2360	Wire Harness Assembly (Incl. Ref. #3 & 4)	1

*Not Illustrated

SPECIAL TOOLS

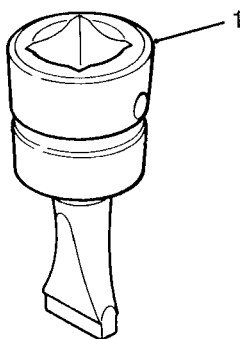
REEL MOTOR SEAL INSTALLATION TOOLS



T-0727

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

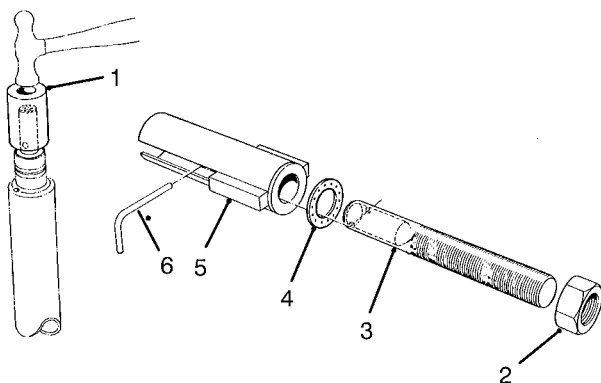
BED KNIFE SCREW TOOL NO. TOR510880



T-0729

Ref. No.	Part No.	Description	No. Used
1		Tool – Bed Knife Screw	1

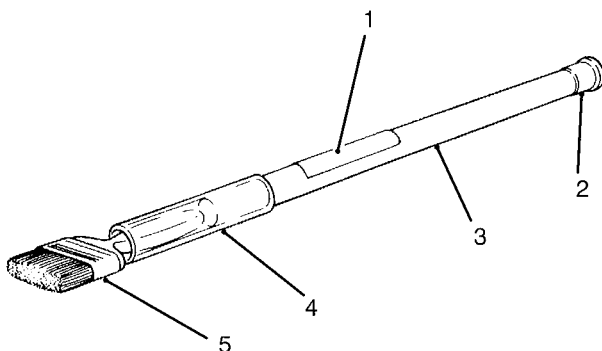
BEARING REPLACEMENT TOOL KIT NO. TOR238900



T-0730

Ref. No.	Part No.	Description	No. Used
1	23-8880	Driver – Bearing	2
2	3219-18	Nut – Hex.	1
3	23-8840	Puller – Bolt	1
4	22-6090	Washer – Thrust	1
5	23-8850	Tube – Support	1
6	23-8860	Pin – Bearing Rplcmnt.	1

BACKLAPPING BRUSH ASSEMBLY NO. 29-9100



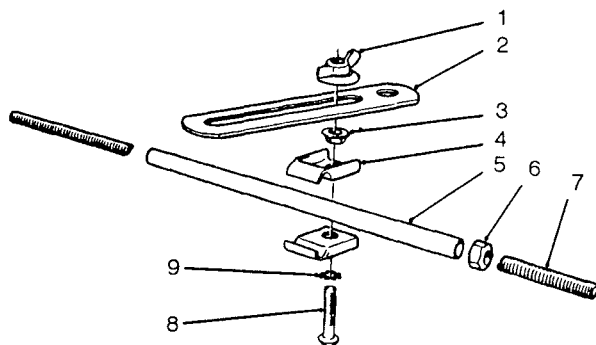
T-0731

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

Note: Special tools may be ordered from: Owatonna Tool Company 2013 4th St. NW Owatonna, MN 55060

SPECIAL TOOLS (Continued)

ALIGNMENT TOOL NO. TOR200120



T-0732

Ref. No.	Part No.	Description	No. Used
1	3-4808	Nut - Wing	1
2	20-0110	Bracket - Alignment	1
3	32128-20	Nut - Lock, Flange	1
4	3-6657	Clip - Skid	2
5	20-0070	Tube	1
6	3219-2	Nut - Hex.	1
7	20-0080	Rod	1
8	32122-35	Screw - Truss Head	1
9	3255-8	Washer - Lock, Int. Tooth	1

Note: Special tools may be ordered from: Owatonna Tool Company
 2013 4th St. NW
 Owatonna, MN 55060

TORO PART NUMBER INDEX

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-0348	Bushing - Sleeve	5 30 6	27-7130	Clamp Assembly	38 11 2
3-0348	Bushing - Sleeve	8 31 6	27-7140	Skirt - Baffle	38 10 1
3-0348	Bushing - Sleeve	2 35 6	27-7150	Cap Assembly	38 12 1
3-1506	Bushing - Flange	2 71 12	27-7160	Decal - Instructions	38 3 1
3-4808	Nut - Wing	46 1 1	27-7170	Band Assembly	38 15 2
3-6657	Clip - Skid	46 4 2	27-7180	Cap - Inlet, Air Cleaner	38 1 1
3-6685	Spring - Compression	22 38 1	28-3680	Tire	5 2 2
5-0946	Key - Square	39 16 1	29-9080	Handle	45 3 1
5-1226	Washer - Shim	2 37 2	29-9090	Hose - Handle	45 4 1
5-1226	Washer - Shim	6 57 2	31-0390	Washer - Friction	11 48 4
5-1228	Washer - Shim	9 75 2	36-4310	Brush	45 5 1
5-3637	Washer - Flat	28 27 1	37-2690	Capacitor	22 35 1
8-7710	Ball Joint Receiver Assy.	2 68 6	38-0410	Nut - Hex.	19 53 1
10-6060	Pin - Cylinder, Pivot	1 27 2	38-0410	Nut - Hex.	21 59 1
10-6090	Pin - Pivot	8 37 1	39-9600	Clamp - Mounting	14 22 1
10-6090	Pin - Pivot	5 41 1	42-2680	Race R. Detent	18 46 1
10-6090	Pin - Pivot	2 60 1	42-7080	Cap	32 2 2
10-6110	Pin - Hinge	1 32 2	42-7190	Bushing	30 33 1
10-6820	Brake Drum Assembly	6 55 2	42-7210	Plug	29 16 1
10-6830	Stud - Drive	40 23 4	42-7290	Gasket - Drain, Oil	29 13 2
10-6870	Hub - Wheel	5 5 2	42-7510	Pipe	33 4 1
10-7820	Pivot Hinge Assembly	2 34 1	42-7510	Pipe	33 9 1
10-7820	Pivot Hinge Assembly	5 34 1	42-7840	Key	32 17 1
10-7820	Pivot Hinge Assembly	8 34 1	42-7860	Lock	31 31 12
10-7850	Latch - Brake, Parking	2 83 1	42-7870	Seal	31 28 6
10-7880	Hinge - Upper, Park. Brake	2 84 1	42-8240	Gasket	35 6 3
10-7890	Hinge - Lower, Park Brake	2 81 1	42-8690	Metal - Sealing	34 34 1
10-8100	Strap - Shaft, Brake	2 55 2	42-8700	Wire	34 35 1
10-8110	Washer - Thrust	5 29 6	42-8830	O-Ring	34 6 2
10-8110	Washer - Thrust	8 35 6	42-9110	Gasket	33 21 1
10-8110	Washer - Thrust	2 36 6	42-9110	Gasket - Muffler	25 22 1
10-8140	Spring - Latch, Brake	2 82 1	42-9260	Plug	29 12 1
10-8220	Pad - Tool Box	5 23 1	42-9420	Bolt	34 31 2
10-8240	Foot Pad - Lift	1 9 1	42-9430	Bolt & Washer	33 7 1
10-8250	Foot Pad - Mow	1 6 1	42-9430	Bolt & Washer	34 11 2
11-0160	Screw Assy. - Shaft, Roller	2 78 6	42-9440	Bolt & Washer	29 6 11
12-3270	Screw - Hex. Flange Hd.	8 17 2	42-9440	Bolt & Washer	28 24 1
12-3270	Screw - Thread Forming	11 9 7	42-9440	Bolt & Washer	31 25 4
12-3270	Screw - Washer Hd.	25 47 1	42-9490	Bolt & Washer	27 11 4
12-9140	Decal	45 1 1	42-9490	Bolt & Washer	32 11 2
17-9420	Screw - Stop, Accelerator	9 64 1	42-9490	Bolt & Washer	29 15 18
18-6320	Washer - Thrust	40 12 3	42-9510	Bolt	31 39 1
20-0070	Tube	46 5 1	42-9570	Stud	33 22 4
20-0080	Rod	46 7 1	42-9590	Nut	31 17 6
20-0110	Bracket - Alignment	46 2 1	42-9640	Nut - Jam	34 9 2
21-0140	Joint - Ball	41 1 1	42-9650	Nut - Jam	30 30 1
21-8470	Shaft - Yoke, Roller	2 72 3	42-9660	Washer	28 4 1
22-6090	Washer - Thrust	45 4 1	42-9660	Washer	31 36 3
23-8840	Puller - Bolt	45 3 1	42-9850	Washer - Lock	25 23 4
23-8850	Tube - Support	45 5 1	42-9850	Washer - Lock	37 26 2
23-8860	Pin - Bearing Rplcmnt.	45 6 1	43-0370	Shim	28 5 1
23-8880	Driver - Bearing	45 1 2	43-0510	Spring - Brush	28 14 2
26-3790	Nut - Lock	5 4 2	43-1920	Nut - Special	28 17 1
27-1960	Hub	25 48 1	43-2550	Filter	30 18 1
27-1970	Hub	26 50 1	43-2560	Gasket	30 19 1
27-2270	Rod - Adjustment, Brake	2 54 2	43-2570	Gasket	30 17 1
27-2320	Bearing - Side Flange	8 12 2	43-2580	Magnet	30 20 1
27-2320	Bearing - Side Flange	3 96 2	43-2710	O-Ring	33 35 2
27-2360	Switch - Key	14 21 1	43-2740	Gasket - Solenoid	25 21 1
27-2380	Spacer - Mount, Filter	15 20 1	43-2750	Nut - Jam	25 19 1
27-2400	Strap - Reservoir	15 28 2	43-5220	Ring - Retaining	10 10 1
27-2420	Felt - Angle	15 42 2	43-5230	Shaft/Clevis	10 11 1
27-2540	Spacer - Hub	9 76 1	43-5920	Washer - Lock	28 28 1
27-2550	Pin - Hinge	9 57 1	43-5970	Nut - Hex.	28 29 1
27-2830	Decal - Brake, Parking	3 87 1	43-8600	Spring - Compression	22 43 1
27-3030	Felt - Strap	16 78 2	43-8610	Guide - Spring & Ball Seat	22 42 1
27-6600	Spacer	25 49 4	43-8620	Guide - Pin, Switch	22 45 1
27-7100	Air Cleaner Assembly	38 16 1	43-8860	Plunger - Switch	22 44 1
27-7110	Element - Cleaner, Air	38 8 1	43-8870	Boot - Switch	22 48 1
27-7120	Nut & Gasket Assembly	38 9 1	43-9071	Switch Assembly	23 * 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
44-0870	Camshaft - Rear	8 13 1	56-1710	Spring - Brush	37 20 4
44-2230	Coupling - Rubber	25 12 1	56-1720	Rear Bracket Assembly	37 18 1
44-2500	Dye - Hydraulic Oil	16 * 1	56-2230	Hose - Fuel	22 7 1
44-5560	Head - Filter, Hydraulic	16 47 1	56-2520	Valve - Shutoff, Fuel	22 16 1
47-5320	Lever - Cutting Control	8 10 1	56-7970	Clamp - Tube	3 88 2
47-6990	Nut - Lock	11 4 1	56-7980	Sleeve - Protective	16 68 3
48-7630	Screw - Cap, Metric	26 70 1	56-7981	Sleeve - Protective	16 71 1
48-7930	Nut	25 24 4	56-7983	Sleeve - Protective	40 1 1
48-8010	Washer - Flat	26 71 1	56-7983	Sleeve - Protective	12 57 1
48-8020	Washer - Lock	26 72 1	56-7984	Sleeve - Protective	26 57 1
48-9590	Washer - Lock	25 43 18	56-7986	Sleeve - Protective	16 74 1
49-5410	Box - Tool	5 24 1	56-7987	Sleeve - Protective	16 75 1
49-5430	Rod - Control	5 21 1	57-6140	Clamp - Tube, Side	5 14 4
49-5450	Plate - Cover	5 13 1	57-6220	Link - Connector	16 56 5
49-5840	Support - Seat	11 40 1	57-6390	Nut - Hex.	37 25 2
49-5880	Shaft - Support, Seat	11 35 1	57-7650	Spring - Torsion	5 36 1
49-6110	Guard - Rod, Transfer	3 94 1	57-7650	Spring - Torsion	8 40 1
49-6120	Pad - Footrest	1 15 1	57-7650	Spring - Torsion	2 46 1
49-6170	Foot Pad - Brake	1 4 1	58-5830	Hose - Hydraulic	8 29 1
49-6200	Lever - Cutting Control	1 2 1	58-6530	Decal - Oil	15 30 1
49-6220	Bracket - Control Arm	8 15 1	59-6730	Race - Bearing	13 8 2
49-6250	Bracket - Pivot, Traction	9 55 1	59-6740	Bearing - Needle Thrust	13 9 1
49-6260	Traction Pivot Tube Assy.	8 16 1	59-6830	Centering Pin Kit	13 20 1
49-6290	Shaft - Pivot, Traction	8 18 1	59-9740	Latch Assembly	24 28 2
49-6320	Rod - Control, Traction	8 3 1	62-2390	Bar - Lift, LH	2 47 1
49-6430	Pad - Pedal Reverse	8 8 1	62-2420	Bar - Arm, Lift	8 41 1
49-6440	Pedal - Accelerator	8 6 1	62-2420	Bar - RH Arm, Lift	5 37 1
49-6470	Pad - Pedal Forward	8 5 1	62-2440	Lift Arm Assembly RH	5 31 1
51-0010	Decal - Traction	11 41 1	62-2460	Lift Arm Assembly - LH	2 38 1
51-0050	Decal - Mow/Lift	1 10 1	62-2570	Cap - Breather	15 32 1
51-0350	Pin - Spring, Seat	22 37 1	62-2580	Spacer (Optional)	5 * 2
51-0780	Slide - Seat	11 13 1	62-2610	Screen Assembly	15 35 1
51-0790	Adjuster - Seat	11 28 1	62-2660	Pad - Step	1 30 1
52-1570	Bolt Set	37 9 1	62-5070	Decal - Danger	6 50 1
52-1880	Adapter - Fitting, Fuel	22 52 1	62-5070	Decal - Danger	9 60 1
52-1890	Wellnut - Rubber	22 33 1	62-5070	Decal - Danger	2 61 1
52-1990	Piston	4 4 1	62-5550	Decal - TORO	11 30 2
52-2720	Roller Assembly	2 73 3	63-3810	Hose - Assembly	16 67 1
52-5860	Collar - Spool	21 51 1	63-3820	Hose - Assembly	16 64 1
52-5880	Ball - Steel	18 47 12	63-3830	Hose - Assembly	16 65 1
52-5900	Screw - Fillister Hd.	20 37 4	63-3840	Hose - Assembly	16 70 1
52-9230	Ring - Retaining	13 2 1	63-3850	Hose - Cylinder	1 25 1
52-9260	Screw - Set	13 26 1	63-3870	Hose - Assembly	16 66 1
52-9270	Seat - Ball Check	13 24 1	63-3890	Hose - Cylinder	1 26 1
52-9280	Ball - Check	13 22 1	63-3950	Hose - Hydraulic	1 19 1
52-9290	Retainer - Ball Check	13 21 1	63-4020	Tube - Hydraulic	42 2 1
53-8150	Pump - Fuel	22 19 1	63-4030	Tube - Hydraulic	42 3 1
53-8150	Pump Assembly	30 21 1	63-4040	Tube - Hydraulic	42 1 1
53-9880	Washer	22 51 1	63-4050	Fitting - Traction, Upper	15 12 2
54-8660	Washer	28 25 1	63-4060	Tube Assembly	15 10 1
55-3577	Cap - Fuel	22 9 1	63-7140	Mount - Shock	25 38 4
55-8480	Reservoir - Hydraulic	15 29 1	63-7380	Tank - Reserve	24 34 1
56-0020	Plug	30 12 1	63-7400	Washer - Rebound	25 37 4
56-0020	Plug	32 21 2	63-7430	Gauge - Temperature	14 3 1
56-0020	Plug - Expansion	33 18 1	63-7440	Solenoid - Stop	25 16 1
56-0100	Plug	30 37 1	63-7590	Relay - SPDT	23 55 2
56-0220	Pin	30 35 2	63-7622	Hose - Fuel	22 18 2
56-0480	Key - Woodruff	32 8 1	63-7623	Hose - Fuel	22 49 1
56-0480	Key - Woodruff	31 18 2	63-7790	Screw	25 42 18
56-1060	Ring - Snap	32 15 1	63-8280	Head Assembly	22 29 1
56-1230	Shaft - Filter, Oil	30 28 1	63-8290	Fitting - Vent	22 30 1
56-1510	Screw - Set	37 3 1	63-8300	Element - Filter	22 31 1
56-1580	Armature Set	37 23 1	63-8310	Fitting - Drain	22 32 1
56-1590	Bearing - Front	37 24 1	63-8360	Key	14 4 1
56-1600	Bearing - Rear	37 22 1	63-8440	Decal - Hot Surface	24 44 1
56-1610	Bolt	37 17 1	63-8750	Pin - Pivot	8 33 1
56-1640	Stopper Set	37 14 1	63-8750	Pin - Pivot	5 42 1
56-1670	Gear	37 11 1	63-8750	Pin - Pivot	2 45 1
56-1680	Cover Set	37 10 1	65-4500	Seal - Snap Ring	7 14 1
56-1700	Brush Holder Assembly	37 19 1	65-4550	Valve - Ball, Check	7 6 2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
65-4560	Plug - Hex. (Hollow)	7 3 1	67-2610	Bolt	27 10 2
65-4570	Seal - Square Ring	7 4 2	67-2610	Bolt	29 19 4
65-4600	Washer - Thrust	7 19 2	67-2620	Bolt	29 21 1
65-4610	Bearing - Thrust	7 20 1	67-2630	O-Ring	29 17 2
65-4620	O-Ring	7 12 1	67-2640	Cap	29 26 1
65-4640	Key - Square	7 11 1	67-2650	Oil Fill Cap Assembly	29 28 1
65-4640	Key - Square	6 49 2	67-2650	Oil Filler Cap Assembly	33 11 1
65-4650	Nut - Slotted	7 13 1	67-2660	O-Ring	33 10 1
65-4690	Seal/Retainer Assembly	7 * 1	67-2660	O-Ring	29 27 1
65-4700	Body Seal Kit	7 * 1	67-2670	Hose - Breather	33 8 1
65-4860	Head	4 10 1	67-2680	Hanger - Engine	33 16 2
65-5871	Tube	11 17 1	67-2700	Guide - Valve	33 41 6
65-5890	Cap - Tube	11 19 2	67-2710	Cap - Sealing	33 40 3
66-2490	Retainer - Battery	23 60 2	67-2730	Bolt	33 42 8
66-2950	Hour Meter	14 1 1	67-2750	Cover Assembly	33 6 1
66-2960	Light - Cluster, Warning	14 33 1	67-2760	Gasket	33 14 1
66-3240	Cap - Radiator	24 6 1	67-2770	Nut - Cap	33 12 2
66-5292	Motor - Hydraulic	6 48 2	67-2780	Washer	33 13 2
66-6840	Decal - Hot Surface	15 37 1	67-2860	Bolt	31 12 6
66-6840	Decal - Hot Surface	24 46 1	67-2880	Bearing Set - Std.	31 8 1
66-8800	Relay - Glow	23 53 1	67-2890	Bearing Set - 0.25 U.	31 * 1
67-1690	Fitting	22 20 2	67-2900	Bearing Set - 0.50 U.	31 * 1
67-1700	Decal - Fluid, Starting	38 2 1	67-2910	Gear	31 7 1
67-2140	Bolt - Flange	33 15 3	67-2920	Crankshaft	31 16 1
67-2200	Seal	32 4 4	67-2940	Nut - Jam	31 22 1
67-2210	Plug	30 36 3	67-2950	Washer	31 20 1
67-2220	Guide	30 8 1	67-2960	Washer - Lock	31 21 1
67-2230	Seal - Oil	30 14 1	67-2970	Flywheel Assembly	31 13 1
67-2250	Bolt	32 5 8	67-2980	Gear - Ring	31 15 1
67-2260	Shaft - Idler	30 34 1	67-2990	Bolt	31 14 4
67-2270	Case	30 15 1	67-3000	Washer	32 10 2
67-2280	Gasket	30 13 1	67-3010	Camshaft	32 7 1
67-2290	Cover	30 10 1	67-3020	Gear	32 12 1
67-2300	Gasket	30 9 1	67-3030	Bearing	32 9 2
67-2310	Plate	29 4 1	67-3040	Plate	32 14 1
67-2320	Gasket - Plate	29 5 1	67-3040	Ring - Snap	31 3 2
67-2330	Bolt	27 4 2	67-3050	Bearing	32 19 1
67-2330	Bolt	30 16 6	67-3060	Shaft	32 18 1
67-2330	Bolt	33 33 4	67-3070	Gear	32 16 1
67-2330	Bolt	33 46 2	67-3080	Ring - Snap	32 20 1
67-2340	Bolt & Washer	29 3 3	67-3090	Gear Assembly	32 13 1
67-2340	Bolt & Washer	30 11 2	67-3100	Retainer	31 30 6
67-2340	Bolt & Washer	33 17 2	67-3110	Spring	31 29 6
67-2350	Plug	30 25 1	67-3120	Tappet	31 6 6
67-2360	Bushing	30 26 2	67-3130	Valve - Intake	31 26 3
67-2370	Bushing	30 32 1	67-3140	Valve - Exhaust	31 27 3
67-2380	Bushing	30 27 3	67-3150	Rod - Push	31 5 6
67-2390	Plug	30 24 1	67-3160	Arm - Rocker	31 1 6
67-2400	Bearing Set - Std.	32 3 1	67-3170	Spring	31 37 2
67-2410	Bearing Set - 0.25	32 * 1	67-3180	Cap	31 32 6
67-2420	Bearing Set - 0.50	32 * 1	67-3190	Rocker Shaft Assembly	31 35 1
67-2440	Bolt & Washer	30 23 9	67-3200	Stay - Rocker	31 33 3
67-2450	Dipstick	30 5 1	67-3210	Screw - Adjusting	31 4 6
67-2460	Bolt	30 29 4	67-3220	Pin	31 34 1
67-2470	Oil Pan Assembly	29 11 1	67-3230	Nut - Jam	31 2 6
67-2480	Gasket - Pan, Oil	29 14 1	67-3250	Bolt - Stay, Rocker	31 40 2
67-2490	Crankcase Sub-Assembly	29 1 1	67-3260	Washer	28 3 1
67-2500	Plunger	29 22 1	67-3260	Washer	34 8 2
67-2510	Spring	29 23 1	67-3260	Washer	31 38 3
67-2520	Plug	29 24 1	67-3280	Shim - 0.2	30 38 1
67-2530	Gear - Inner	29 10 1	67-3290	Shim - 0.3	30 * 1
67-2540	Gear - Outer	29 9 1	67-3300	Shim - 0.4	30 * 1
67-2550	Housing - Pump, Oil	29 8 1	67-3310	Shim - 0.5	30 * 1
67-2560	Bolt & Washer	29 7 3	67-3320	Shim - 0.6	30 * 1
67-2570	Plug	29 25 1	67-3330	Shim - 0.7	30 * 1
67-2570	Plug - Taper	33 19 1	67-3340	Shim - 0.8	30 * 1
67-2580	Gasket - Case	29 2 1	67-3350	Shim - 0.9	30 * 1
67-2590	Seal - Oil	29 20 1	67-3360	Shim - 1.0	30 * 1
67-2600	Bolt	27 6 1	67-3370	Bolt & Washer	30 39 4
67-2600	Bolt	29 18 3	67-3380	Nozzle & Holder Assembly	36 * 3

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67-3380	Nozzle & Holder Assembly	30 6 1	67-4120	Pin	34 33 1
67-3390	Gasket	30 7 3	67-4130	Cover -- Governor	34 4 1
67-3400	Pipe Assembly No.1	30 42 1	67-4140	Lever -- Stop Assembly	34 10 1
67-3410	Pipe Assembly No.2	30 43 1	67-4150	Lever -- Stop	34 36 1
67-3420	Pipe Assembly No. 3	30 1 1	67-4160	Gasket	34 5 1
67-3430	Nut	30 2 3	67-4170	Spring Set	34 * 1
67-3440	Gasket	30 4 3	67-4180	Nut	34 29 1
67-3460	Housing -- Pump	35 9 1	67-4190	Spring -- Torque	34 26 1
67-3470	Holder -- Delivery Valve	35 3 3	67-4200	Nut -- Special	34 28 1
67-3480	O-Ring	35 4 3	67-4210	Case -- Torque Spring	34 24 1
67-3490	Spring	35 5 3	67-4220	Screw -- Adjusting	34 27 1
67-3520	Sleeve	35 10 3	67-4230	Stopper	34 25 1
67-3530	Seat	35 11 3	67-4240	Cap	34 30 2
67-3540	Spring	35 12 3	67-4250	Cover	31 24 1
67-3550	Seat	35 13 3	67-4260	Spring	34 23 1
67-3560	Plate -- Shim 1.85	35 14 1	67-4270	Bolt	34 3 4
67-3570	Plate -- Shim 1.9	35 * 1	67-4280	Bolt & Washer	34 15 1
67-3580	Plate -- Shim 1.95	35 * 1	67-4290	Nut	34 32 2
67-3590	Plate -- Shim 2.0	35 * 1	67-4310	Gasket	31 23 1
67-3600	Plate -- Shim 2.05	35 * 1	67-4330	Oil Filter Assembly	30 40 1
67-3610	Plate -- Shim 2.1	35 * 1	67-4340	Screen Assembly	30 31 1
67-3620	Plate -- Shim 2.15	35 * 1	67-4350	Switch Assy. -- Press. Oil	27 9 1
67-3630	Plate -- Shim 2.2	35 * 1	67-4370	Pulley	27 2 1
67-3640	Plate -- Shim 2.25	35 * 1	67-4390	Gasket	27 8 1
67-3650	Plate -- Shim 2.3	35 * 1	67-4400	Bolt	33 1 2
67-3660	Plate -- Shim 2.35	35 * 1	67-4400	Bolt	27 5 1
67-3670	Plate -- Shim 2.4	35 * 1	67-4410	Belt -- V	27 3 1
67-3680	Plate -- Shim 2.45	35 * 1	67-4420	Fitting -- Outlet, Water	33 45 1
67-3690	Plate -- Shim 2.5	35 * 1	67-4430	Gasket -- Outlet, Water	33 44 1
67-3700	Tappet Assembly	35 15 3	67-4450	Fitting -- Thermostat	33 31 1
67-3710	Screw -- Bleed, Air	35 24 1	67-4460	Gasket -- Fitting, Thermostat	33 30 1
67-3720	Washer	35 23 1	67-4470	Bolt	33 32 1
67-3730	Screw	35 22 1	67-4480	Pipe -- By-Pass	33 36 1
67-3740	Nipple	35 21 1	67-4490	Gasket	33 29 1
67-3750	Washer	35 20 2	67-4500	Switch -- Thermal	33 28 1
67-3760	Plate -- Lock	35 2 3	67-4510	Nut -- Gauge, Temp.	33 34 1
67-3770	Screw & Washer	35 1 3	67-4520	Pipe	33 2 1
67-3780	Rack Assembly	35 19 1	67-4530	Cover -- Intake	33 5 1
67-3790	Screw	35 17 2	67-4540	O-Ring	33 3 1
67-3800	Bracket	35 18 1	67-4550	Gasket -- Manifold, Intake	33 43 1
67-3810	Pin	35 16 3	67-4570	Gasket -- Manifold, Exhaust	33 25 1
67-3820	Body	36 32 3	67-4590	Bolt	33 23 6
67-3830	Washer -- 1.25	35 31 1	67-4610	Bolt & Washer	37 2 2
67-3840	Washer -- 1.3	35 * 1	67-4620	Spacer	28 21 1
67-3850	Washer -- 1.35	35 * 1	67-4630	Alternator Assembly	28 1 1
67-3860	Washer -- 1.4	35 * 1	67-4640	Bolt	28 22 1
67-3870	Washer -- 1.45	35 * 1	67-4650	Brace	28 23 1
67-3880	Washer -- 1.5	35 * 1	67-4660	Bolt -- Flange	28 26 1
67-3890	Washer -- 1.55	35 * 1	67-4670	Nutd	28 2 1
67-3900	Washer -- 1.6	35 * 1	67-4690	Plate -- Plug, Glow	33 39 1
67-3910	Washer -- 1.65	35 * 1	67-4700	Lamp -- Glow	33 26 1
67-3920	Washer -- 1.7	35 * 1	67-4720	Lever Assembly	37 5 1
67-3930	Spring	35 30 3	67-4730	Spring Set	37 6 1
67-3940	Pin	35 29 3	67-4750	Switch Assembly	37 8 1
67-3950	Piece	35 28 3	67-4760	Shaft Assembly	37 16 1
67-3960	Nozzle Assembly	35 27 3	67-4770	Pinion Set	37 15 1
67-3970	Nut	35 25 3	67-4780	Gear Set	37 13 1
67-3980	Gasket	35 26 3	67-4790	Shaft Assembly	37 12 1
67-3990	Speed Control Lever Assy.	34 1 1	67-4800	Yoke Assembly	37 21 1
67-4000	Pin	34 2 2	67-4810	Pulley Set	28 16 1
67-4010	Stopper	34 13 1	67-4820	Bolt Set	28 20 1
67-4020	Lever -- Spring, Governor	34 7 1	67-4830	Front Bracket Assembly	28 15 1
67-4030	Rod -- Tie	34 21 1	67-4840	Screw -- Set	28 18 1
67-4040	Weight Assembly	34 12 1	67-4850	Bearing -- Front	28 19 1
67-4050	Shaft	34 17 1	67-4860	Rotor Assembly	28 7 1
67-4060	Governor Lever Assembly	34 16 1	67-4870	Bearing -- Rear	28 6 1
67-4070	Sliding Shaft Assembly	34 14 1	67-4880	Stator Assembly	28 10 1
67-4080	Clip	34 22 1	67-4890	Rear Bracket Assembly	28 9 1
67-4090	Tension Lever Assembly	34 19 1	67-4900	Terminal Set	28 11 1
67-4110	Cover Assembly	34 * 1	67-4910	Regulator Assembly	28 12 1

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67-4930	Rectifier Assembly	28 8 1	68-5840	Hose - Assembly	26 62 1
67-5040	Spring	34 18 1	68-5840	Hose Assembly	12 55 1
67-5050	Thermostat	33 37 1	68-5850	Hose - Assembly	26 61 1
67-5100	Bushing	25 27 1	68-5860	Hose - Inlet, Pump LH	15 44 1
67-5110	Bolt	25 26 1	68-5870	Hose - Inlet, Pump RH	15 45 1
67-5120	Washer - Spring	25 28 1	68-5880	Hose - Inlet, Filter	16 55 1
67-5130	Washer - Flat	25 29 1	68-5890	Hose - Return, Filter	15 25 1
67-5140	Washer - Serrated	25 30 1	68-5900	Hose - Cleaner, Air	38 6 1
67-5150	Nut	25 31 1	68-5930	Handle - Traction	8 21 1
67-6500	Valve	35 7 3	68-9931	Control Throttle	14 18 1
67-7490	Key	25 15 1	69-4780	Clamp Hose	14 30 1
68-4680	Shield - Valve Cover, RH	11 42 1	69-9760	Plate - Cover	1 3 1
68-4690	Shield - Valve Cover, LH	11 31 1	70-2770	Head	10 8
68-4700	Arm - Steering	12 63 1	70-2780	Piston	10 4 1
68-4770	Cylinder - Steering, Hyd.	40 31 1	70-7130	Tube - Hydraulic	42 5 1
68-4770	Hydraulic Steering Cylinder	41 * 1	70-7150	Hose - Hyd. Lower, LH	5 * 1
68-4780	Head - Cylinder	41 10 1	70-8130	Barrel	10 1 1
68-4790	Piston - Cylinder	41 7 1	70-8140	Body & Bearing Assembly	7 9 1
68-4800	Shaft - Cylinder	41 9 1	70-8150	Plate - Valve	7 7 1
68-4810	Ring - Retaining	41 11 1	70-8160	Screw - Cap, Hex. Hd.	7 1 8
68-4820	Barrel	41 3 1	70-8170	Ring - Snap	7 21 1
68-4830	Cylinder Repair Kit	41 * 1	70-8180	IGR Assembly	7 5 1
68-4840	Hose	24 38 1	70-8190	Shaft	7 10 1
68-4850	Hose - Upper	24 1 1	70-8200	Socket - Light	14 32 4
68-4860	Hood - Radiator	24 19 1	70-8220	Cable - Ground	25 39 1
68-4920	Hub - P.T.O.	25 45 1	70-8250	Drive	13 16 1
68-4930	Mount - Pump	25 7 1	70-8330	Fork - Caster	40 15 1
68-4940	Pump - Gear	25 2 1	70-8370	Bolt - Wheel, Castor	40 16 1
68-4950	Engine Assembly	25 20 1	70-8400	Fender - Rear	40 28 1
68-4960	Plate - Flywheel	25 8 1	70-8445	Sleeve - Protective	12 59 1
68-4990	Bracket - Engine, RH	25 40 1	70-8445	Sleeve - Protective	26 60 1
68-5090	Support - Cable, Throttle	25 44 1	70-8446	Sleeve - Protective	12 62 1
68-5100	Rod - Seat	11 27 1	70-8450	Sleeve - Protective	26 59 3
68-5120	Cover - Valve, Steering	11 8 1	70-8470	Screw	25 17 1
68-5130	Wheel - Steering	12 67 1	70-8490	Spacer	40 22 2
68-5140	Cap - Steering Wheel	11 2 1	70-8500	Tire	40 25 1
68-5150	Joint - Ball	41 13 1	70-8510	Tubing - Convolute	23 63 1
68-5170	Column - Steering	11 5 1	70-8530	Wire - Pump, Fuel	23 65 1
68-5180	Shroud - Radiator	24 40 1	70-8530	Wire Assembly	30 44 1
68-5210	Breaker - Circuit, 15A	14 14 1	70-8550	Spark Arrester (Optional)	26 * 1
68-5230	Radiator	24 9 1	70-8570	Breaker - Circuit	44 4 1
68-5240	Strip - Foam	24 10 2	70-8600	Hose - Hyd. Upper, RH	5 18 1
68-5241	Strip - Foam	24 11 2	70-8610	Hose - Hyd. Upper, LH	5 * 1
68-5260	Orifice - Manifold Drain	15 2 1	70-8650	Block - Sub-Assembly	32 1 1
68-5290	Washer - Arm, Steering	11 49 1	70-8660	Cylinder Head Assembly	33 27 1
68-5300	Lever - Arm, Lock	11 12 1	70-8670	Gasket - Head, Cylinder	33 24 1
68-5310	Clip - Seat	11 36 1	70-8680	Pulley - Crankshaft	31 19 1
68-5370	Decal - Steering Wheel	11 1 1	70-8690	Pump Assembly	36 * 1
68-5380	Center Lift Arm Assembly	8 32 1	70-8690	Pump Assembly	30 41 1
68-5420	Hub - Locking	11 46 1	70-8700	Pipe - Return, Fuel	30 3 1
68-5430	Plate - Wear	11 47 2	70-8710	Element	35 8 3
68-5440	Spacer - Arm, Pivot RH	11 43 1	70-8720	Spring - Tie Rod	34 20 1
68-5450	Spacer - Arm, Pivot LH	11 10 1	70-8730	Fan	27 1 1
68-5470	Hose	24 35 1	70-8740	Pump Assembly	27 7 1
68-5480	Plate - Arm, Steering	11 7 1	70-8750	Manifold - Exhaust	33 20 1
68-5510	Base - Tank, Fuel	22 15 1	70-8760	Starter Assembly	37 1 1
68-5560	Pin - Cylinder	8 27 1	70-8770	Front Basket Assembly	37 4 1
68-5640	Bracket - Tank, Reserve	24 32 1	70-8780	Center Bracket Assembly	37 7 1
68-5650	Support - Radiator, Front	24 36 1	70-8790	Gasket Kit	29 * 1
68-5660	Support - Radiator, Rear	24 12 1	70-8800	Piston Ring Set - Std.	31 11 1
68-5670	Grille	24 24 1	70-8810	Piston Ring Set - 0.25 U.	31 * 1
68-5680	Plate - Electrical	23 57 1	70-8820	Piston Ring Set - 0.50 U.	31 * 1
68-5710	Hose - Assembly	26 64 1	70-8830	Piston & Pin Set - Std.	31 10 1
68-5740	Hose Assembly	12 60 1	70-8840	Piston & Pin Set - 0.25 U.	31 * 1
68-5750	Hose - Hydraulic	40 3 1	70-8850	Piston & Pin Set - 0.50 U.	31 * 1
68-5750	Hose Assembly	12 56 1	70-8860	Connecting Rod Assembly	31 9 3
68-5760	Hose - Hydraulic	40 5 1	70-8890	Housing - Flywheel	30 22 1
68-5760	Hose Assembly	12 61 1	70-9800	Motor - Reel	16 50 3
68-5770	Hose - Assembly	26 63 1	70-9840	Shoe & Lining Assembly	5 7 4

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70-9860	Cam - Brake	6 53 2	92-1190	Cable - Battery, Negative	44 2 1
70-9870	Plate - Support, Brake	6 52 2	92-1191	Cable - Battery, Positive	22 1 1
70-9880	Spring - Extension	6 54 4	92-1191	Cable - Battery, Positive	44 1 1
71-0990	Orifice - One Way	16 77 1	92-1193	Frame	8 26 1
71-1510	Arm - Brake	1 33 1	92-1194	Plate - Traction Pivot	9 66 1
71-1510	Lever - Brake	5 27 1	92-1196	Decal - Service	12 68 1
71-1520	Cap - Tank, Reserve	24 43 1	92-2360	Wire Harness Assembly	44 * 1
72-3850	Seal - Ring	16 49 1	92-2529	Decal - Panel, Instrument	14 10 1
72-4320	Switch - Neutral	22 40 1	92-2538	Timer - Glow Plug	14 11 1
72-4380	Seal Kit	17 * 1	92-2539	Plug - Glow	33 38 3
72-4390	Repair Kit	17 * 1	92-2544	Panel - Instrument	14 9 1
72-6140	Shield - Heat, Alternator	33 47 1	92-2545	Seals - Spool	19 * 1
72-9870	Cable	24 17 1	92-2545	Seals - Spool	21 * 1
74-3570	Element - Filter	16 48 1	92-2546	Wiper - Seal	18 25 4
74-3730	Spacer - Cylinder	1 24 2	92-2546	Wiper - Seal	21 64 5
74-3830	Hose - Assembly	16 72 1	92-2547	Plate - Seal Retainer	20 18 6
75-9380	Decal - Caution	12 64 1	92-2547	Plate - Seal Retainer	18 24 4
75-9440	Hub Assembly	40 24 1	92-2548	Seals - Spool	19 * 1
75-9610	Spacer	24 47 1	92-2548	Seals - Spool	21 * 1
75-9630	Brace	24 48 1	92-2549	Seals - Spool	21 * 1
76-1720	Gasket	16 79 1	92-3057	Capacitor Assembly	44 5 1
76-1850	Clevis	4 14 1	92-3058	Spring - Centering	18 41 1
76-1860	Shaft	4 7 1	92-6533	Kit - Cushion	11 24 1
76-4380	Tank - Fuel, Diesel	22 4 1	92-6534	Shell - Seat	11 14 1
76-4420	Hose - Fuel	23 67 1	92-7164	Muffler - Exhaust	25 25 1
76-4430	Fitting - Fuel	23 68 1	92-7168	Bracket - Engine, LH	25 73 1
76-8750	Plate - Warning	24 4 1	92-8690	Steering Valve Assembly	11 51 1
80-3330	Gasket	38 17 1	92-8691	Bushing - Seal Gland	13 3 1
83-0060	Pivot - Lift	2 62 1	92-8694	Cap - End	13 18 1
83-0080	Spring - Torsion	2 64 1	92-8695	Seal Kit	13 * 1
83-0140	Pedal - Foot	3 91 1	92-8696	Screw - Torx Hd.	13 19 7
83-0160	Brake Shaft	1 8 1	92-8697	Plate - Wear	13 15 1
83-0540	Pedal - Traction	8 4 1	92-8915	Spring	26 74 2
83-1200	Tube - Hydraulic	42 4 1	217-60	Rim	5 3 2
83-1700	Bushing - Flange	9 78 3	218-446	Nut	14 5 1
83-1860	Centering Spring Kit	13 12 1	218-447	Washer - Lock	14 6 1
83-1870	Gerotor	13 17 1	218-461	Nut - Jam	22 47 2
83-1880	Control Parts Assembly	13 * 1	218-515	Bracket - Mounting	14 25 1
83-1890	Switch - Ball	19 54 1	219-17	Bulb - Light	14 * 4
83-1890	Switch - Ball	21 60 1	231-124	Tire - Treaded (Optional)	5 * 2
83-2460	Hose - Hyd. Lower, RH	5 19 1	232-24	Stem - Valve	40 26 1
83-2590	Bolt - Shoulder	3 98 1	232-24	Valve Stem & Cap	6 56 2
83-6730	Decal - Coolant, Engine	24 7 1	232-37	Tube - Inner (Optional)	5 * 2
83-7230	Cylinder - Lift, Rear	8 45 1	233-48	Knob	8 20 1
84-2000	Bracket - Brake	5 11 4	233-50	Knob - Throttle	14 7 1
84-2200	Control Valve Assembly	21 * 1	237-7	O-Ring	22 46 1
84-2200	Control Valve Assembly	16 57 1	237-21	O-Ring	15 11 7
84-8290	Hydraulic Cylinder Assy.	1 21 2	237-21	O-Ring	1 18 1
85-6540	Stud - Drive Type	5 6 8	237-22	O-Ring	15 9 3
85-6560	Pin - Pivot, Hood	24 23 1	237-22	O-Ring	26 68 3
86-5360	Seal Repair Kit	10 * 1	237-30	O-Ring	15 6 7
86-5390	Seal Repair Kit	4 * 1	237-30	O-Ring	22 41 1
86-7470	Diode - Inline	44 3 2	237-30	O-Ring	26 55 1
86-9810	Frame - Pull, LH	2 79 1	237-35	O-Ring	40 4 2
86-9820	Frame - Pull, RH	5 38 1	237-35	O-Ring	8 47 2
86-9820	Frame - Pull, Rear	9 61 1	237-35	O-Ring	12 54 4
88-6900	Plate - Footrest	9 73 1	237-35	O-Ring	26 65 1
88-9500	Needle Valve Assembly	16 * 1	237-42	O-Ring	15 3 9
88-9630	Bracket - Lift, Pivot RH	3 93 1	237-42	O-Ring	12 52 4
88-9640	Lift Pivot Bracket - LH	1 13 1	237-42	O-Ring	26 66 4
88-9660	Shaft - Cutting Control	1 11 1	237-54	O-Ring	20 3 6
88-9700	Hose - Hydraulic	1 20 1	237-54	O-Ring	18 6 8
88-9700	Hose - Hydraulic	8 48 1	237-58	O-Ring	16 73 1
88-9720	Decal - GR 3000D	2 85 1	237-65	O-Ring	5 17 4
92-0585	Pull Arm Assembly - RH	2 76 3	237-65	O-Ring	16 76 4
92-0586	Pull Arm Assembly - LH	2 70 3	237-78	O-Ring	40 7 2
92-0587	Fitting - Hydraulic Valve	16 54 1	237-78	O-Ring	1 16 4
92-0588	Bushing - Needle	16 80 1	237-78	O-Ring	8 46 2
92-1180	Seat Assembly	12 * 1	237-79	O-Ring	15 8 8

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237-80	O-Ring	5 16 4	322-4	Screw - Cap, Hex. Hd.	15 22 2
237-80	O-Ring	26 53 1	322-4	Screw - Cap, Hex. Hd.	25 33 7
237-81	O-Ring	15 1 1	322-5	Screw - Cap, Hex. Hd.	8 19 1
237-101	O-Ring	15 24 2	322-5	Screw - Cap, Hex. Hd.	25 41 1
237-124	Grommet	22 34 1	322-6	Screw - Cap, Hex. Hd.	25 10 4
237-136	Grommet	22 12 4	322-6	Screw - Cap, Hex. Hd.	24 16 1
242-50	Nut - Lock	40 27 4	322-9	Screw - Cap, Hex. Hd.	24 49 1
242-50	Nut - Wheel	5 1 8	322-14	Screw - Cap, Hex. Hd.	16 63 3
242-86	Rim	40 17 1	323-6	Screw - Cap, Hex. Hd.	22 13 4
2410-18	Plug	45 2 1	323-7	Screw - Cap Hex. Hd.	26 75 2
2410-66	Cap - Vinyl	15 41 1	323-8	Screw - Cap, Hex. Hd.	25 4 2
2411-32	Joint - Ball	8 1 2	323-9	Screw - Cap, Hex. Hd.	23 61 2
2412-3	Clamp	24 2 4	323-10	Screw - Cap, Hex. Hd.	1 14 4
2412-3	Clamp - Hose	15 26 8	323-11	Screw - Cap, Hex. Hd.	25 32 4
2412-31	Clip - Cable	25 46 1	323-12	Screw - Cap, Hex. Hd.	24 18 2
2412-36	Clamp - Hose	22 8 2	323-13	Screw - Cap, Hex. Hd.	24 33 2
2412-39	Clamp	26 69 1	323-20	Screw - Cap, Hex. Hd.	12 66 4
2412-41	Clamp	24 41 1	324-7	Screw - Cap, Hex. Hd.	25 9 4
2412-41	Clamp - R	9 70 2	325-7	Screw - Cap, Hex. Hd.	11 44 1
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254-78	Cone - Bearing	40 20 2	3219-2	Nut - Hex.	46 6 1
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*Not Illustrated

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 NUMBERS

The Greensmaster 3000-D has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the main frame under the seat. In any correspondence concerning the Greensmaster 3000-D 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 Greensmaster 3000-D.
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.

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