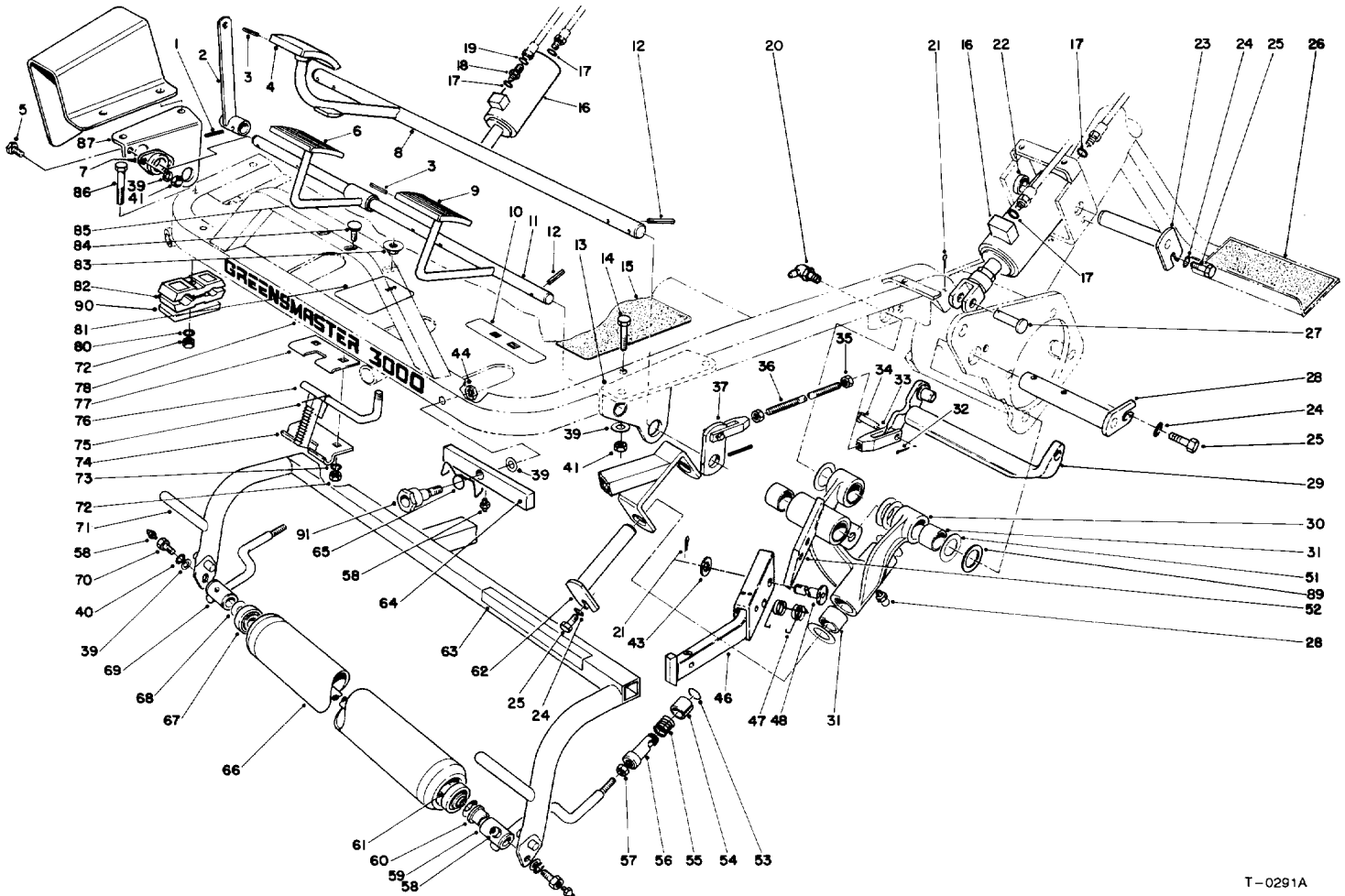




MODEL NO. 04350 - 30001 & UP

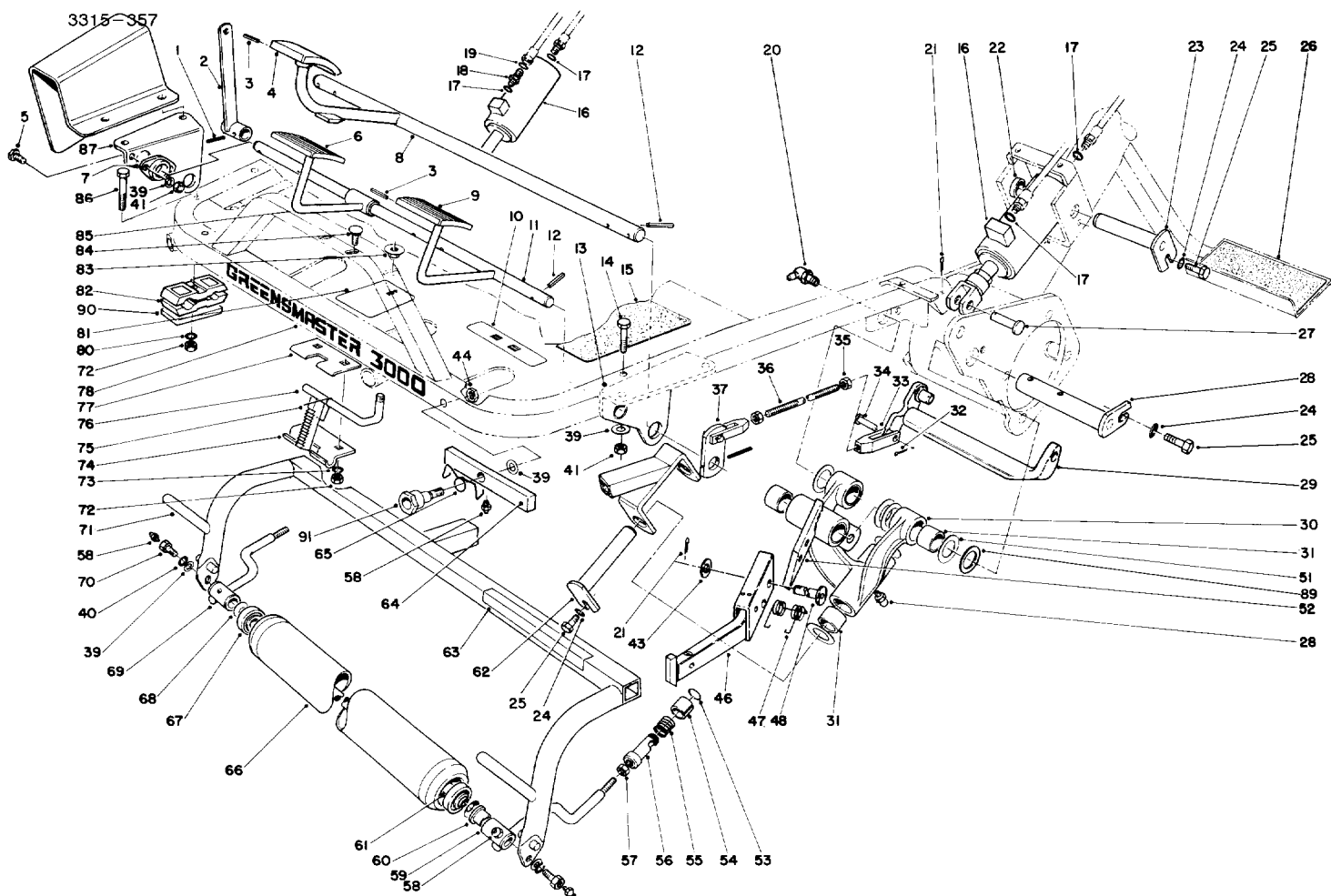
**PARTS
CATALOG**
**GREENSMASTER® 3000
TRACTION UNIT**


T-0291A

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	32121-45	Pin - Roll	3
4	49-6170	Foot Pad - Brake	1
5	3234-1	Screw - Hex. Flange Hd.	4
6	10-8250	Foot Pad - Mow	1
7	27-2320	Bearing - Flange	2
8	83-0160	Shaft - Brake	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 - L.H.	1
14	323-10	Screw - Cap, Hex Hd.	4
15	49-6120	Pad - Footrest	1
16	84-8290	Cylinder - Hydraulic	2

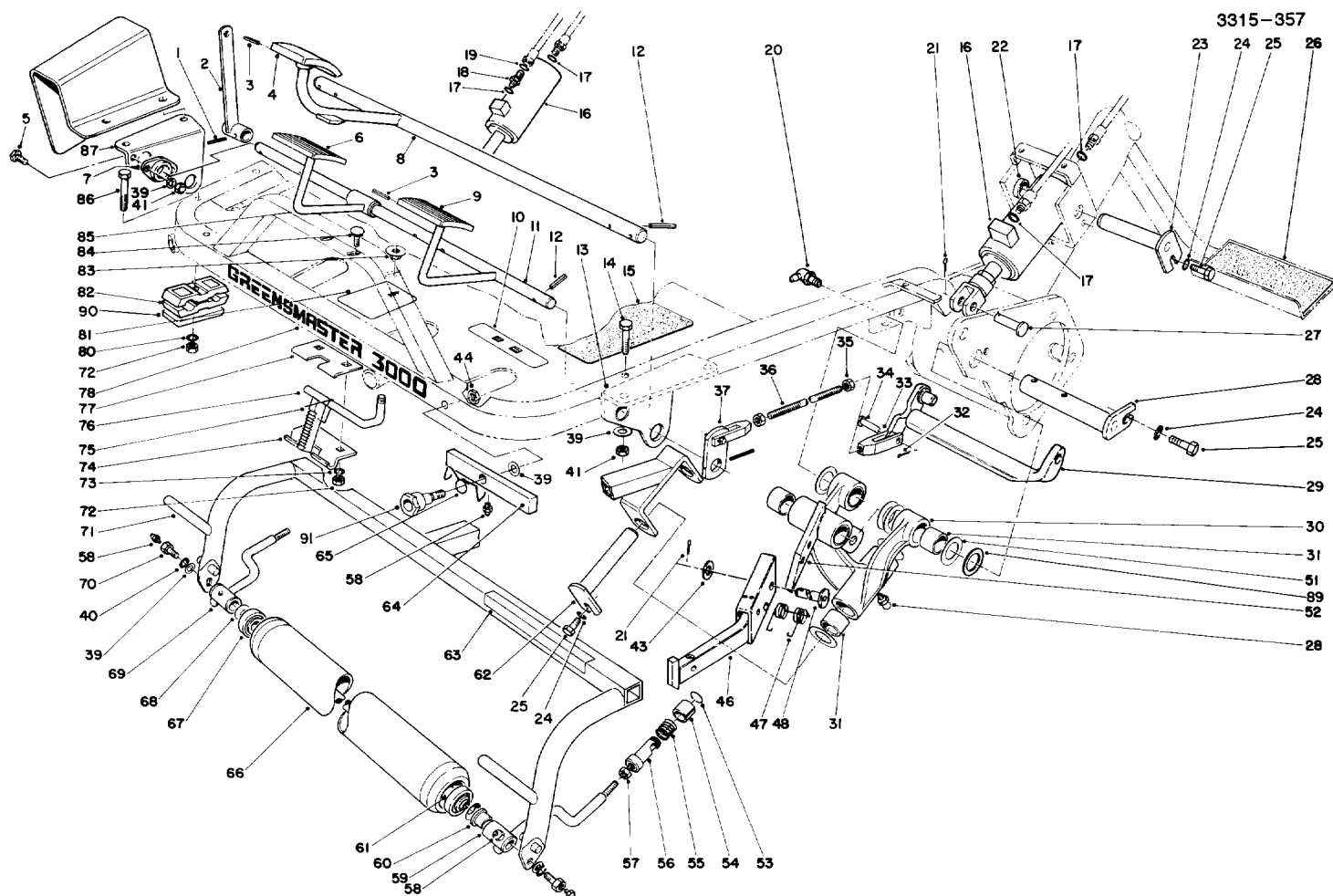
Ref. No.	Part No.	Description	No. Used
17	237-78	O-Ring	4
18	340-92	Fitting - Straight	1
19	237-21	O-Ring	1
20	302-60	Fitting - Grease	4
21	3272-11	Pin - Cotter	3
22	74-3730	Spacer	2
23	10-6060	Pin - Ram Pivot	2
24	3253-4	Washer - Lock	6
25	322-1	Screw - Cap, Hex. Hd.	6
26	62-2660	Pad - Foot Step	1
27	283-8	Pin - Clevis	2
28	10-6110	Pin - Hinge	2
29	71-1510	Lever - Brake	1
30	10-7820	Hinge - Pivot (Incl. Ref. #31)	1
31	3-0348	Bushing	10



T-0291A

FOOT PEDALS & ROLLER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
32	3272-6	Pin - Cotter	4	59	92-0586	Pull Arm Assembly - L.H. (Incl. Ref. #60)	3
33	282-2	Yoke	4	60	3-1506	Bushing	12
34	283-1	Pin - Clevis	4	61	21-8470	Shaft - Yoke Roller	3
35	3220-2	Nut - Hex	4	62	10-6090	Pin - Pivot	2
36	27-2270	Rod - Brake Adjustment	2	63	62-5070	Decal - Danger	1
37	10-8100	Strap - Brake Shaft	2	64	83-0060	Lift Pivot	1
39	3256-24	Washer - Flat	15	65	83-0080	Spring - Lift Pivot	1
40	3253-21	Washer - Lock	8	66	52-2720	Roller Assembly (Incl. Ref. #67)	3
41	3296-59	Nut - Hex.	8	67	251-141	Bearing - Ball	6
43	3256-26	Washer - Flat	1	68	3290-317	Washer - Spring	6
44	3296-39	Nut - Lock	1	69	92-0585	Pull Arm Assembly - R.H. (Incl. Ref. #60)	3
45	3272-12	Pin - Cotter	1	70	11-0160	Roller Shaft Screw Assy. (Incl. Ref. #58)	6
46	62-2390	Bar - Lift Arm L.H.	1	71	86-9810	Pull Frame - L.H.	1
47	57-7650	Spring - Torsion	1	72	3296-16	Nut - Hex	3
48	63-8750	Pin - Pivot	1	73	3253-3	Washer - Lock	2
51	10-8110	Washer - Thrust	18	74	10-7890	Hinge - Lower, Park Brake	1
52	62-2460	Lift Arm - L.H. (Incl. Ref. #31)	1	75	10-8140	Spring - Brake Latch	1
53		Ring - Retaining	6	76	10-7850	Latch - Parking Brake	1
54		Sleeve	6	77	10-7880	Hinge - Upper, Park Brake	1
55		Spring	6	78	92-1199	Decal - Greensmaster 3000	1
56	8-7710	Ball Joint Receiver Assy. (Incl. Ref. #53-55)	6	80	3253-3	Washer - Lock	1
57	3220-3	Nut - Hex, Jam	6	81	27-2830	Decal - Parking Brake	1
58	302-5	Fitting - Grease	8				

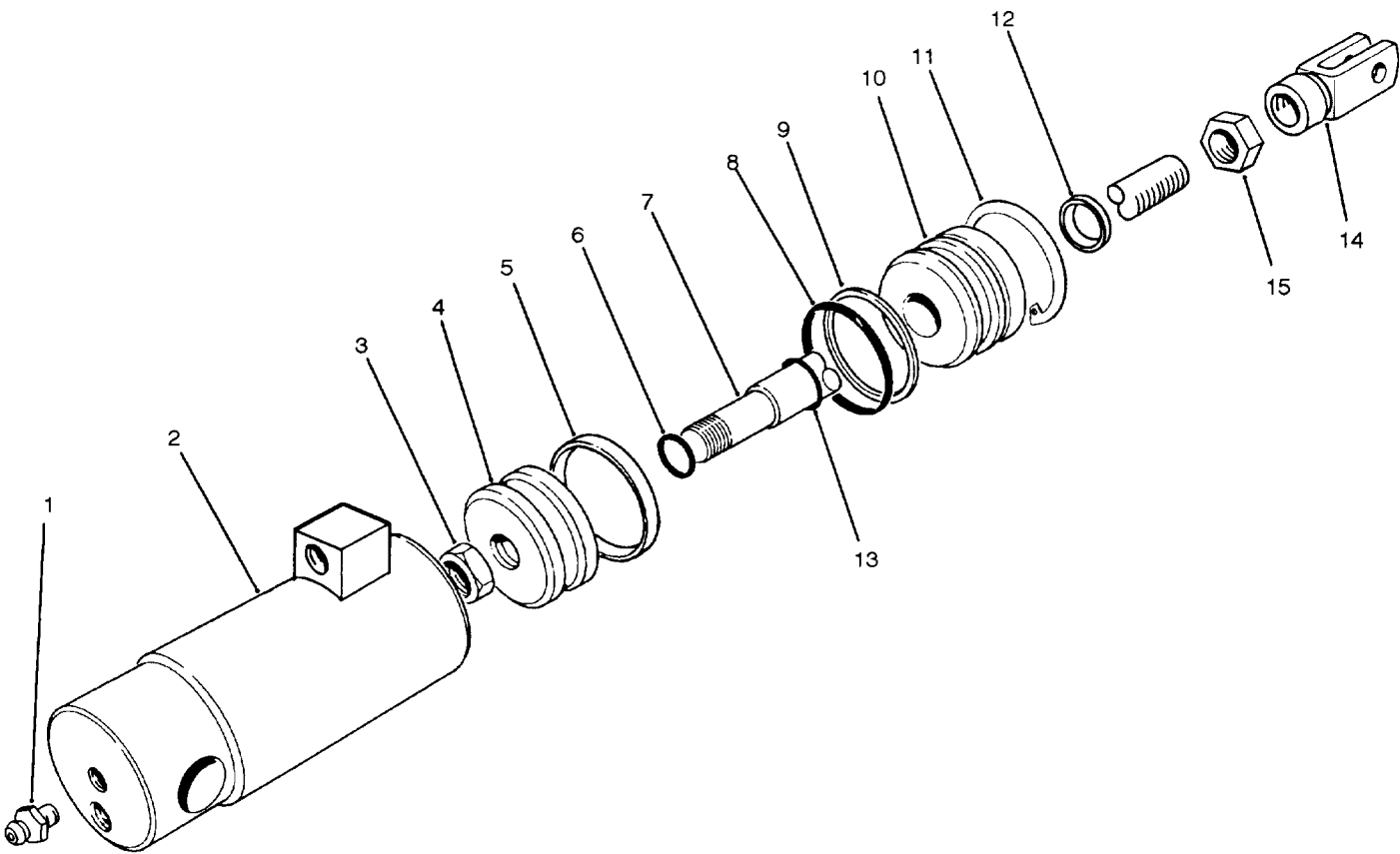


T-0291A

FOOT PEDALS & ROLLER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
82	56-7970	Clamp - Tube	2
83	32141-111	Nut - Hex Hd. Flange	1
84	3229-22	Bolt - Carriage	2
85	83-0140	Foot Pedal	1
86	321-9	Screw - Cap, Hex Hd.	1

Ref. No.	Part No.	Description	No. Used
87	88-9630	Lift Pivot Bracket - R.H.	1
88	49-6110	Guard - Transfer Rod	1
89	5-1226	Washer - Shim	2
90	69-9760	Plate - Cover	1
91	83-2590	Bolt - Shoulder	1



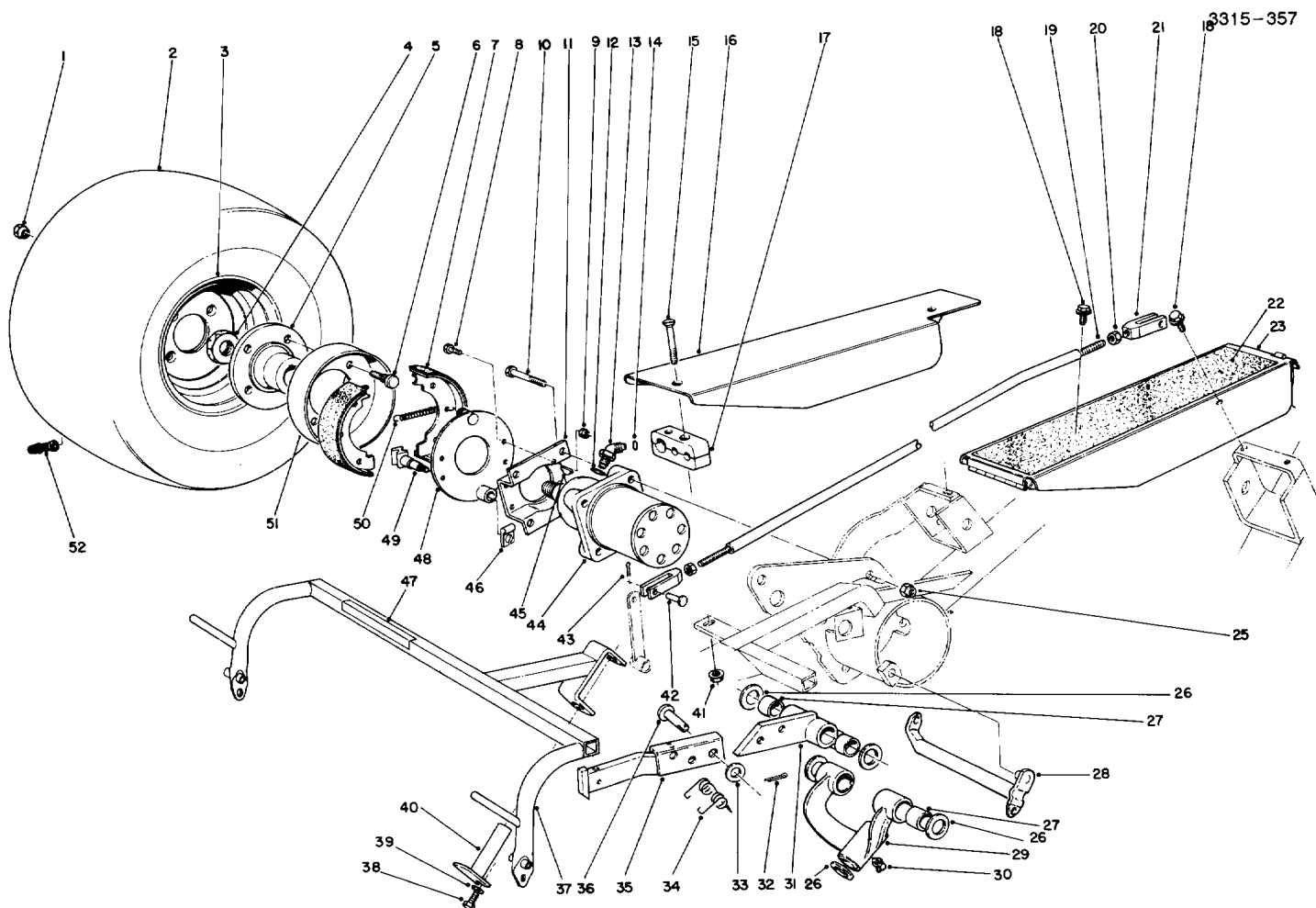
T-1373

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 -- Grooved	1
6		O-Ring	1
7	76-1860	Shaft with Clevis	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-0293A

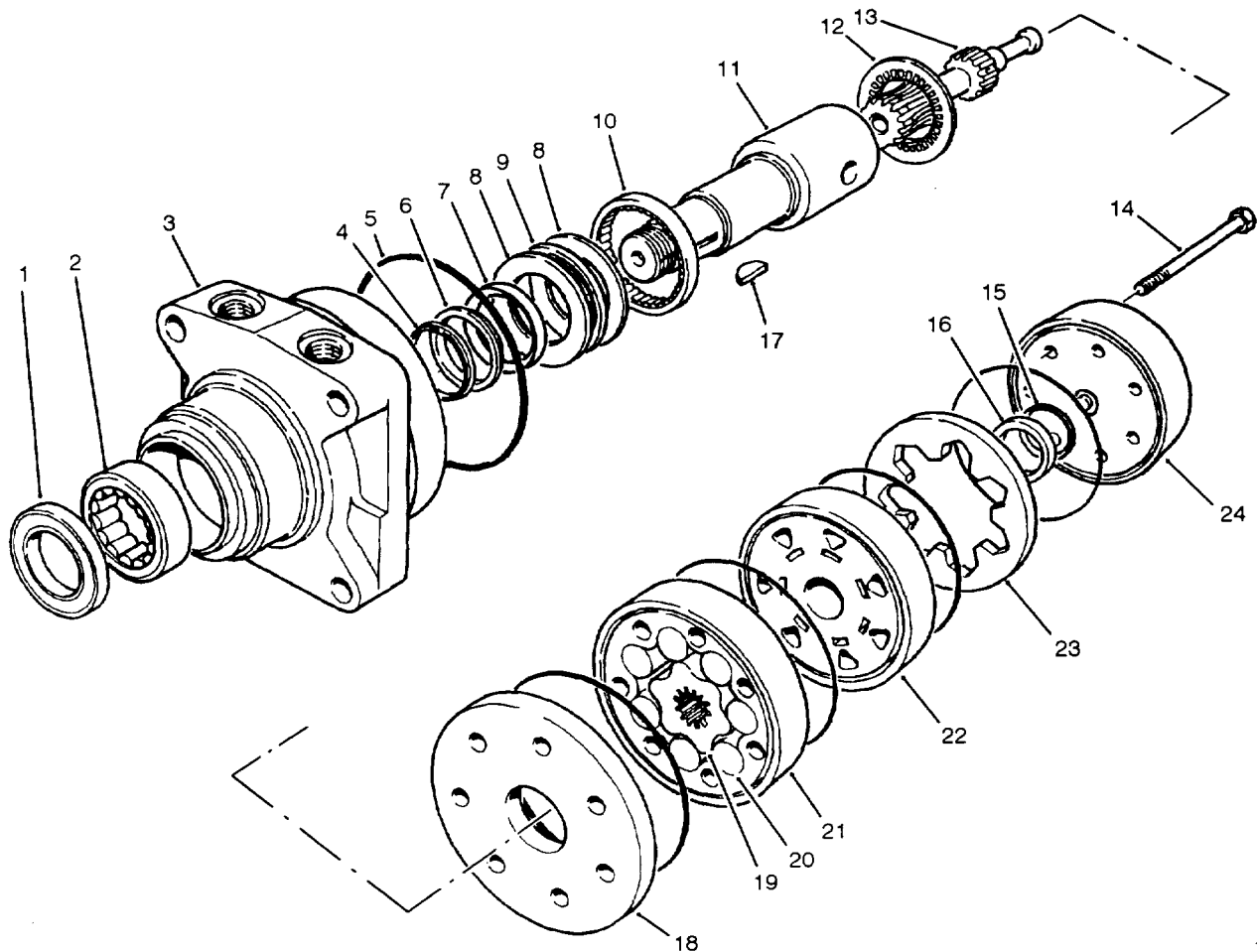
WHEEL AND BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	242-50	Nut - Wheel	8
2	28-3680	Tire	2
*	231-124	Tire - Treaded	2
*	62-2580	Spacer	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	3296-42	Nut - Lock	8
10	325-11	Screw - Cap, Hex. Hd.	8
11	84-2000	Bracket - Brake	2
12	237-80	O-Ring	4
13	340-14	Fitting (Incl. Ref. #12 & 14)	4
14	237-65	O-Ring	4
15	32108-100	Screw - Mach. Phillips Hd.	3
16	49-5450	Plate - Cover	1
17	57-6140	Clamp - Tube Side	4
18	3234-4	Screw - Cap, Hex. Hd.	4
19	49-5430	Rod - Control	1
20	3220-2	Nut	2
21	282-2	Yoke	2
22	10-8220	Pad - Tool Box	1
23	49-5410	Box - Tool	1
25	3296-23	Nut - Lock	8
26	10-8110	Washer - Thrust	6
27	3-0348	Bushing	6

*Not Illustrated

†Service Replacement Part

Ref. No.	Part No.	Description	No. Used
28	71-1510	Arm - Brake R.H.	1
29	10-7820	Hinge - Pivot (Incl. Ref. #27 & 30)	1
30	302-60	Fitting - Grease	1
31	62-2440	Arm - Lift, R.H.	2
32	3272-11	Pin - Cotter	2
33	3256-26	Washer - Flat	3
34	57-7650	Spring - Torsion	2
35	62-2420	Bar - Arm, Lift	1
36	63-8750	Pin - Pivot	2
37	86-9820	Frame - Pull, R.H.	1
38	322-1	Screw - Cap, Hex. Hd.	1
39	3253-4	Washer - Lock	1
40	10-6090	Pin - Pivot	1
41	3296-16	Nut - Lock, Flange	3
42	283-1	Pin - Clevis	2
43	3272-6	Pin - Cotter	2
44	75-9990	Motor - Hydraulic	2
45	3257-42	Key - Woodruff	2
46	70-9850	Clip - Retainer	2
47	62-5070	Decal - Danger	1
48	70-9870	Plate - Backing, Brake	2
49	70-9860	Shaft - Cam	2
50	70-9880	Spring	4
51	10-6821	Drum Assy. (Incl. Ref. #5-6)	1
52	232-24	Valve Stem w/Cap	2
*	71-1500	Brake Assembly (Incl. Ref. #7, 46, & 48-50)	2
*†	232-37	Inner Tube - Heavy Duty	2



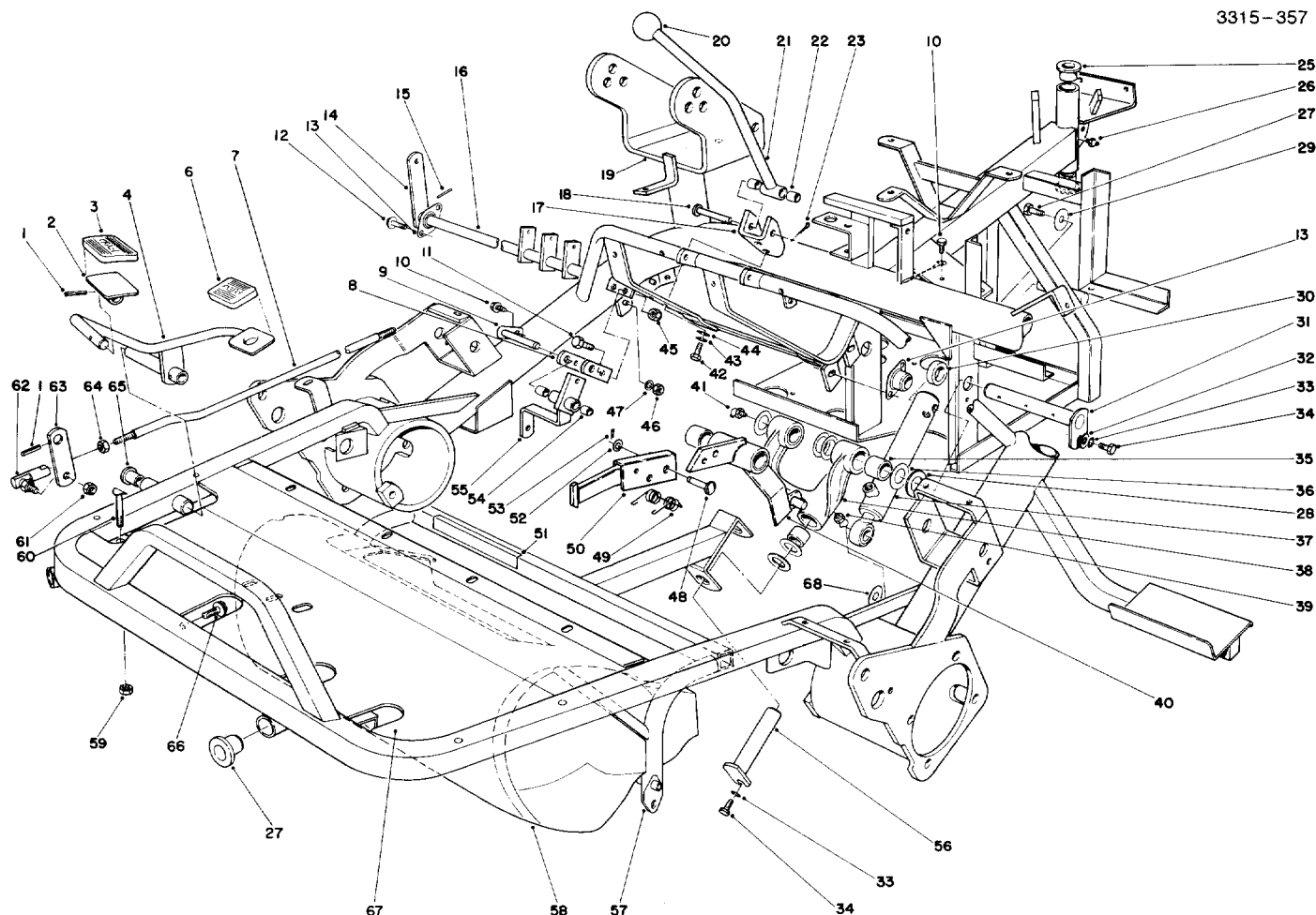
T-0987

HYDRAULIC DRIVE MOTOR NO. 75-9990

Ref. No.	Part No.	Description	No. Used
1		Seal - Dirt & Water	1
2		Bearing	1
3		Housing	1
4		Washer - Backup	1
5		Seal Rings	5
6		Washer - Backup	1
7		Seal - Inner	1
8		Washer - Thrust	2
9		Bearing - Thrust	1
10		Bearing	1
11	76-0860	Shaft - Coupling	1
12	76-0850	Bearing - Thrust	1
13	76-0960	Link - Drive	7
14	76-1010	Screw - Cap, Hex. Hd.	1
15		Seal - Commutator	1
16		Commutator	1

Ref. No.	Part No.	Description	No. Used
17	3257-42	Key - Woodruff	1
18	76-0870	Plate - Wear	1
19		Rotor	1
20		Vane	7
21		Stator	1
22	76-0840	Manifold	1
23		Ring - Commutator	1
24	76-0940	End Cover Assembly	1
*	76-0970	Rotor Set (Incl. Ref. #19-21)	1
*	76-0880	Commutator Assembly (Incl. Ref. #15, 16 & 23)	1
*	76-0800	Seal Kit (Incl. Ref. #1, 4-7 & 15)	1
*	76-0810	Housing Assembly (Incl. Ref. #2, 3 & 8-10)	1

*Not Illustrated

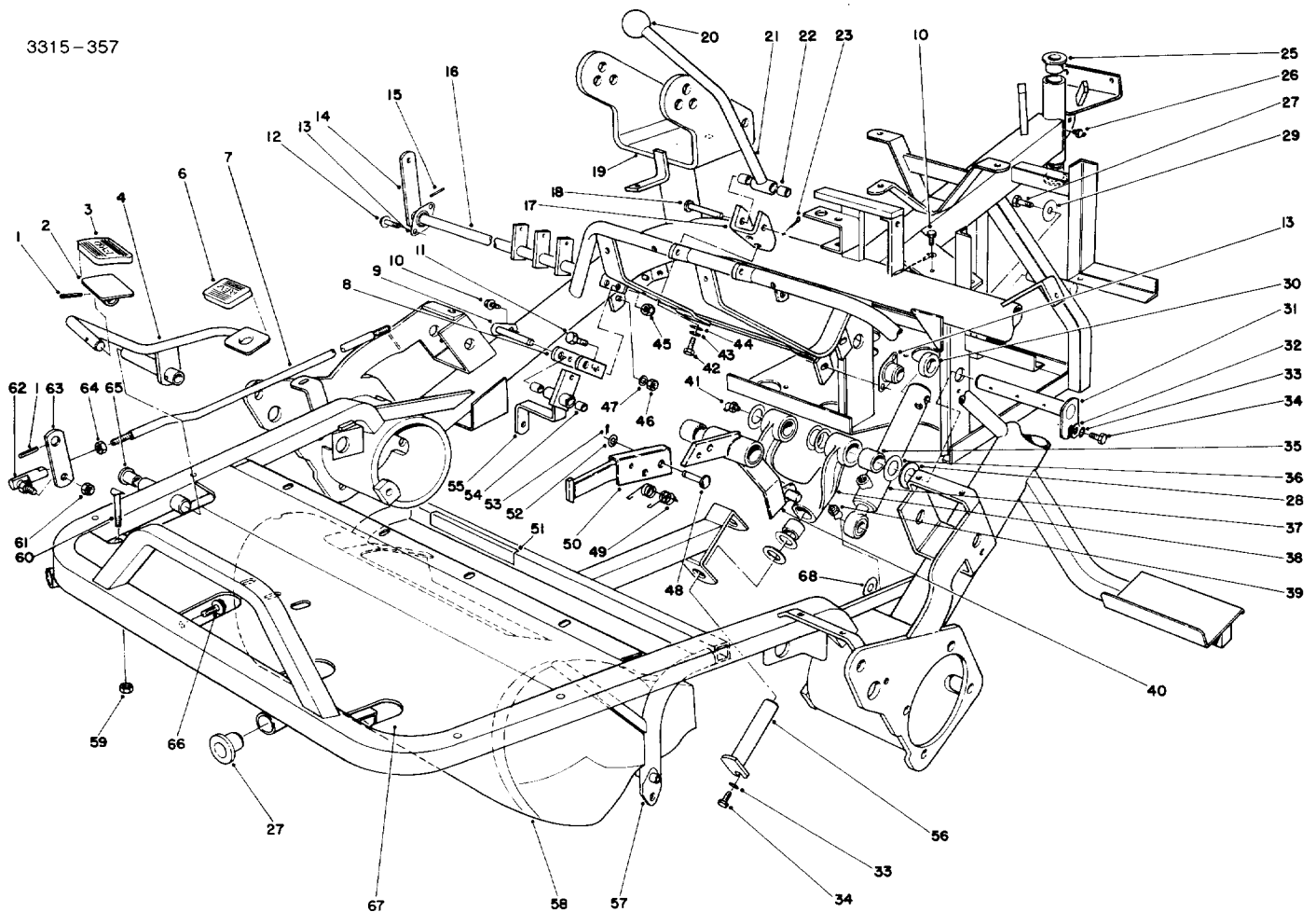


T-0295A

FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32121-45	Pin-Roll	2
2	49-6440	Pedal - Accelerator	1
3	49-6470	Pad - Pedal Forward	1
4	83-0540	Rod - Accelerator	1
5	32121-45	Pin-Roll	1
6	49-6430	Pad - Pedal Reverse	1
7	49-6320	Rod - Traction Control	1
8	49-6250	Bracket - Traction Pivot	1
9	49-6290	Shaft - Traction Pivot	1
10	12-3270	Screw - Pentafllo	1
11	322-5	Screw - Cap, Hex Hd.	2
12	3234-1	Screw - Flange, Hex. Hd.	4
13	27-2320	Side Flange - Bearing	2
14	47-5320	Lever - Cutting Control	1
15	32121-6	Pin - Roll	1
16	44-0870	Camshaft - Rear	1
17	49-6220	Bracket - Control Arm	1
18	283-57	Pin - Clevis	1
19	92-1192	Frame	1
		(Incl. Ref. #25 & 65)	1
20	233-48	Knob	1
21	68-5930	Handle - Traction	1
		(Incl. Ref. #22)	1
22	256-251	Bushing	2
23	3272-4	Pin - Cotter	1
25	256-290	Bushing	2

Ref. No.	Part No.	Description	No. Used
26	302-5	Fitting - Grease	1
27	83-1700	Bushing - Flange	3
28	5-1226	Washer	A/R
30	27-2540	Spacer - Hub	1
31	27-2550	Pin - Hinge	1
32	3256-23	Washer - Flat	1
33	3253-4	Washer - Lock	2
34	322-1	Screw - Cap, Hex Hd.	2
35	3-0348	Bushing	6
36	10-8110	Washer-Thrust	6
37	83-7000	Hydraulic Cylinder Assy.	1
38	10-7820	Pivot Hinge	1
		(Incl. Ref. #35)	1
39	302-60	Fitting - Grease	1
40	88-9670	Lift Arm - Center	1
		(Incl. Ref. #35)	1
41	302-11	Fitting - Grease	1
42	3211-1	Screw - Cap, Hex Hd.	2
43	3254-6	Washer - Lock	2
44	3256-3	Washer - Flat	2
45	3296-29	Nut - Lock	2
46	3296-59	Nut - Lock	4
47	3256-24	Washer - Flat	4
48	63-8750	Pin - Pivot	1
49	57-7650	Spring - Torsion	1

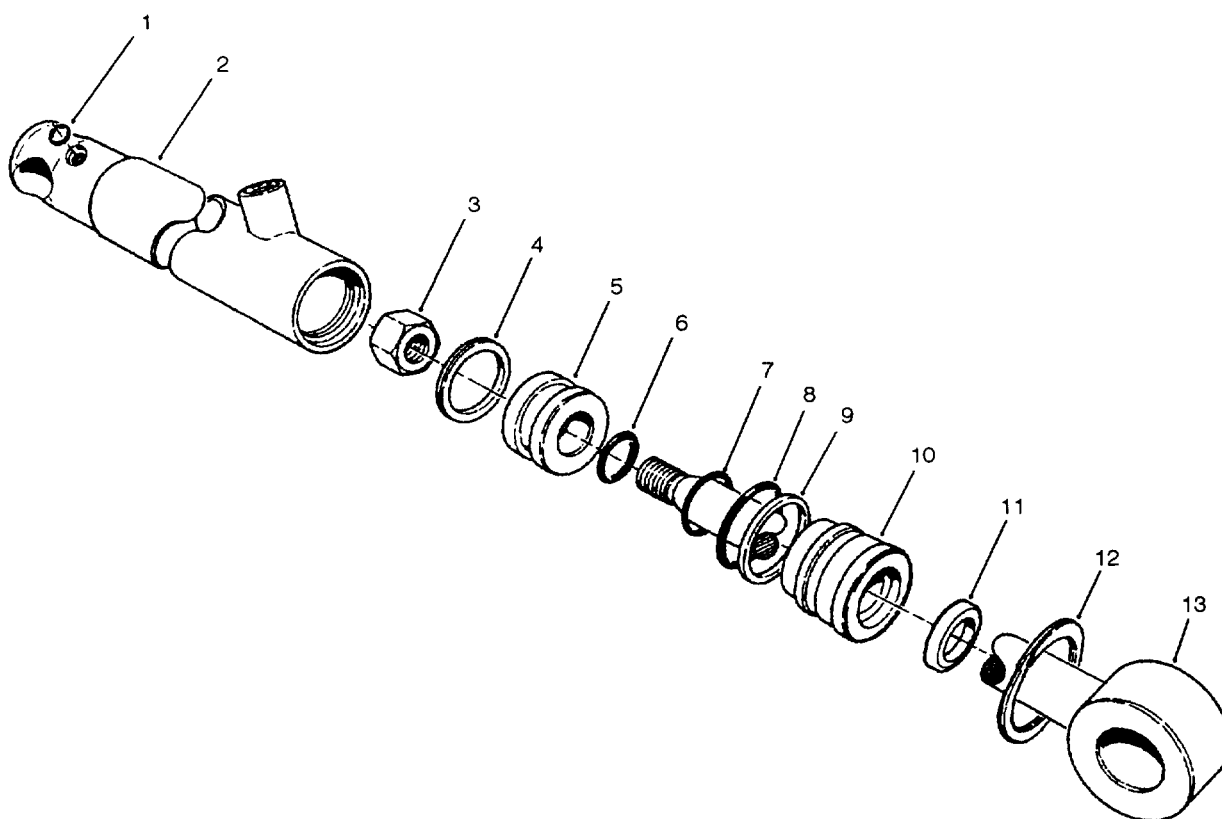


T-0295A

FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
50	62-2420	Bar - Lift Arm (R.H. & Center)	1
51	62-5070	Decal - Danger	1
52	3256-26	Washer - Flat	1
53	3272-11	Pin - Cotter	1
54	256-2	Bushing	2
55	49-6260	Tube - Traction Pivot (Incl. Ref. #54)	1
56	10-6090	Pin - Pivot	1
57	86-9820	Pull Frame - Rear	1
58	36-7250	Grass Basket	3

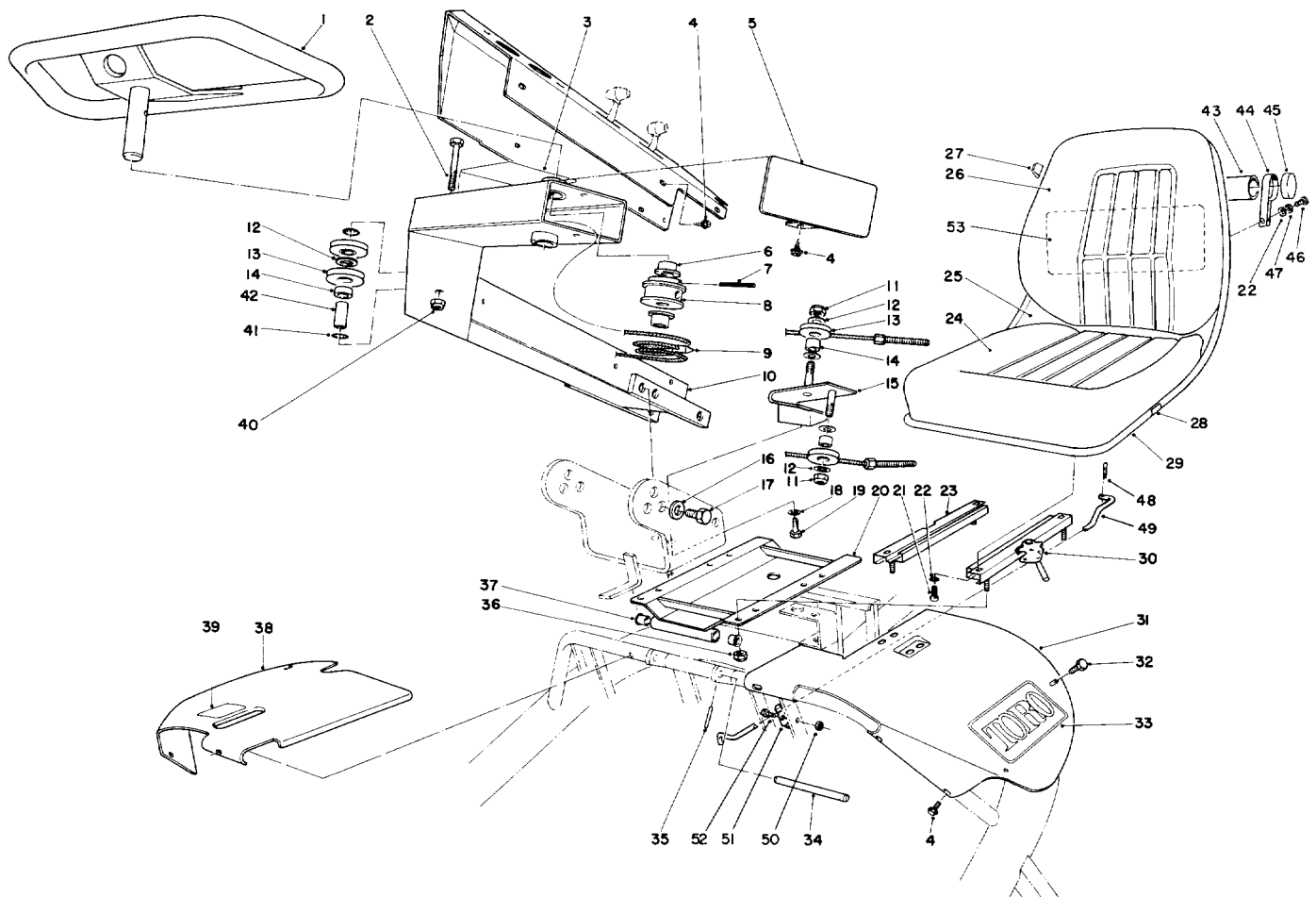
Ref. No.	Part No.	Description	No. Used
59	32128-20	Nut - Hex	1
60	77-0480	Screw - Accelerator Stop	1
61	3296-4	Nut - Lock	2
62	2411-32	Ball Joint	2
63	92-1194	Plate - Traction	1
64	3220-2	Nut - Hex. Jam	2
65	256-219	Bushing	2
66	32144-14	Screw - Cap, Hex. Hd.	1
67	88-6900	Plate - Footrest	1
68	10-7920	Washer	1



T-0217

REAR HYDRAULIC CYLINDER NO. 83-7000

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	302-2	Fitting - Grease	1	10		Back-Up	1
2	237-78	O-Ring	2	11	70-2770	Head	1
3	43-5260	Barrel w/Clevis & Ports	1	12		Seal - Dust	1
4	32152-10	Nut	1	13	43-5220	Ring - Retaining	1
5		Uniring - Grooved	1	14	43-5230	Shaft with Clevis	1
6	70-2780	Piston	1	15	86-5360	Seal Repair Kit (Incl. Ref. #5, 7-10 & 12)	1
7		O-Ring	1				
8		Poly-Pack	1				
9		O-Ring	1				



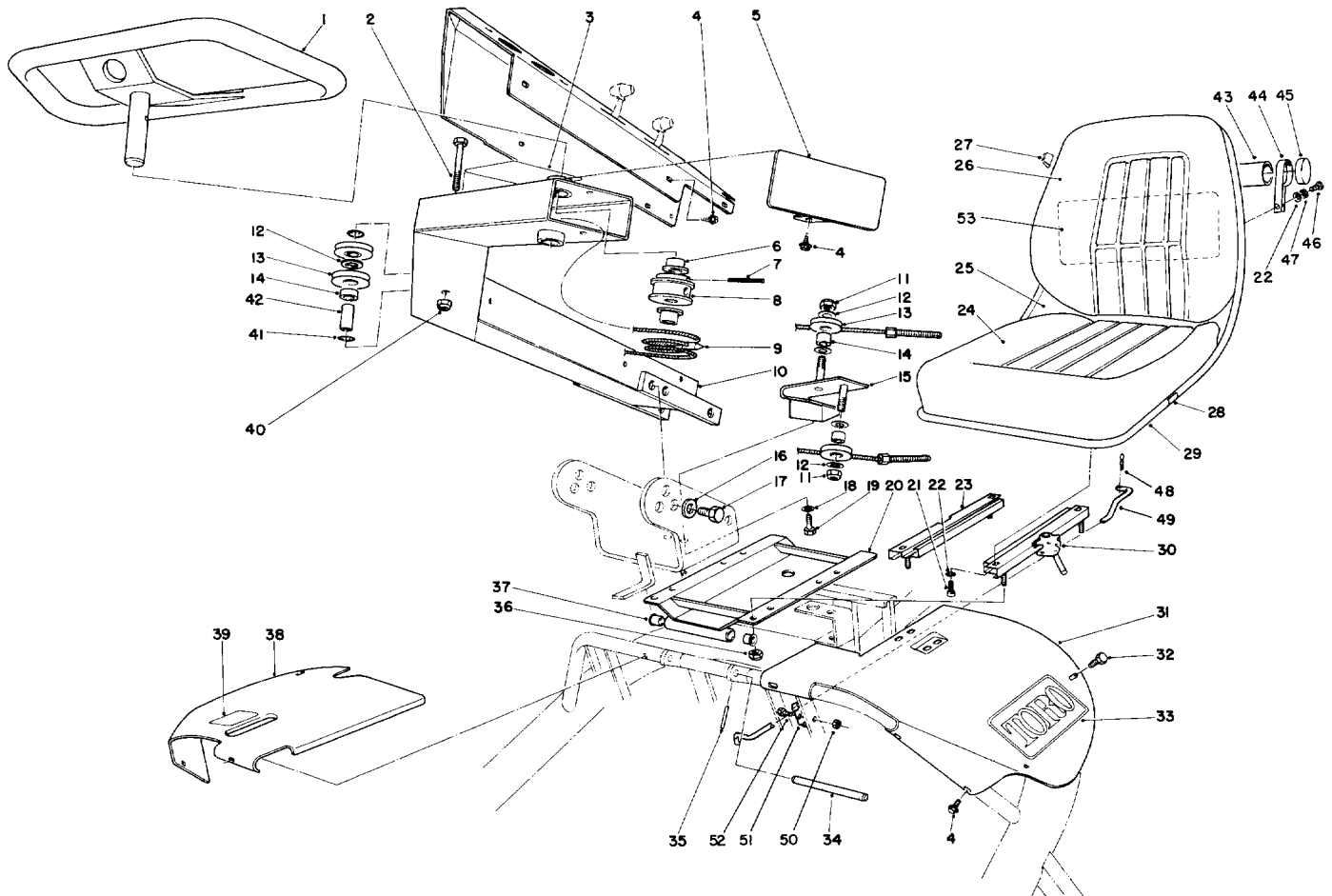
T-0297

STEERING AND SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	49-5900	Steering Wheel Assembly	1
2	321-18	Screw- Cap, Hex Hd.	1
3	75-9380	Decal - Caution	1
4	32104-76	Screw - Tapping, Acorn Hd.	15
5	10-7370	Tube Cap	1
6	256-113	Bushing	2
7	32121-34	Pin - Roll	1
8	62-2160	Pulley - Front Steering	1
9	62-2180	Steering Cable	1
10	49-5910	Arm Steering	1
11	3296-39	Nut - Lock	2
12	3256-4	Washer - Flat	4
13	5-2653	Pulley Assembly (Incl. Ref. #14)	4
14	256-2	Bushing	4
15	49-5970	Bracket - Pulley	1
16	3256-26	Washer - Flat	4
17	325-3	Screw- Cap, Hex Hd.	4
18	3253-21	Washer - Lock	2
19	323-6	Screw- Cap, Hex Hd.	2
20	49-5840	Seat Support (Incl. Ref. #37)	1
21	3274-12	Screw - Hex Socket Hd.	4
22	3256-23	Washer - Flat	6
23	51-0780	Seat Slider	1

Ref. No.	Part No.	Description	No. Used
24	75-9720	Cushion - Seat (Incl. Ref. #27 & 28)	1
25	351-81	Shell	1
26	75-9810	Backrest (Incl. Ref. #27 & 28)	1
27	351-79	Clip	6
28	351-80	Clip Joint	1
29	351-78	Edging	2
*	75-9190	Seat Assembly (Incl. Ref. #24-29)	1
30	51-0790	Seat Adjuster	1
31	49-5460	Shield - Valve Cover L.H.	1
32	12-3270	Screw - Thread Forming	2
33	62-5550	Decal - Toro	2
34	49-5880	Shaft - Seat Support	1
35	32121-45	Pin-Roll	1
36	3296-29	Nut - Lock	4
37	256-155	Bushing	2
38	49-5470	Shield - Valve Cover R.H.	1
39	51-0010	Decal - Traction	1
40	3296-16	Nut - Lock	1
41	3290-314	Tinnerman Push-On	2
42	10-7240	Sleeve - Steering Pulley	1
43	65-5871	Tube	1
44	2412-102	R-Clamp	2

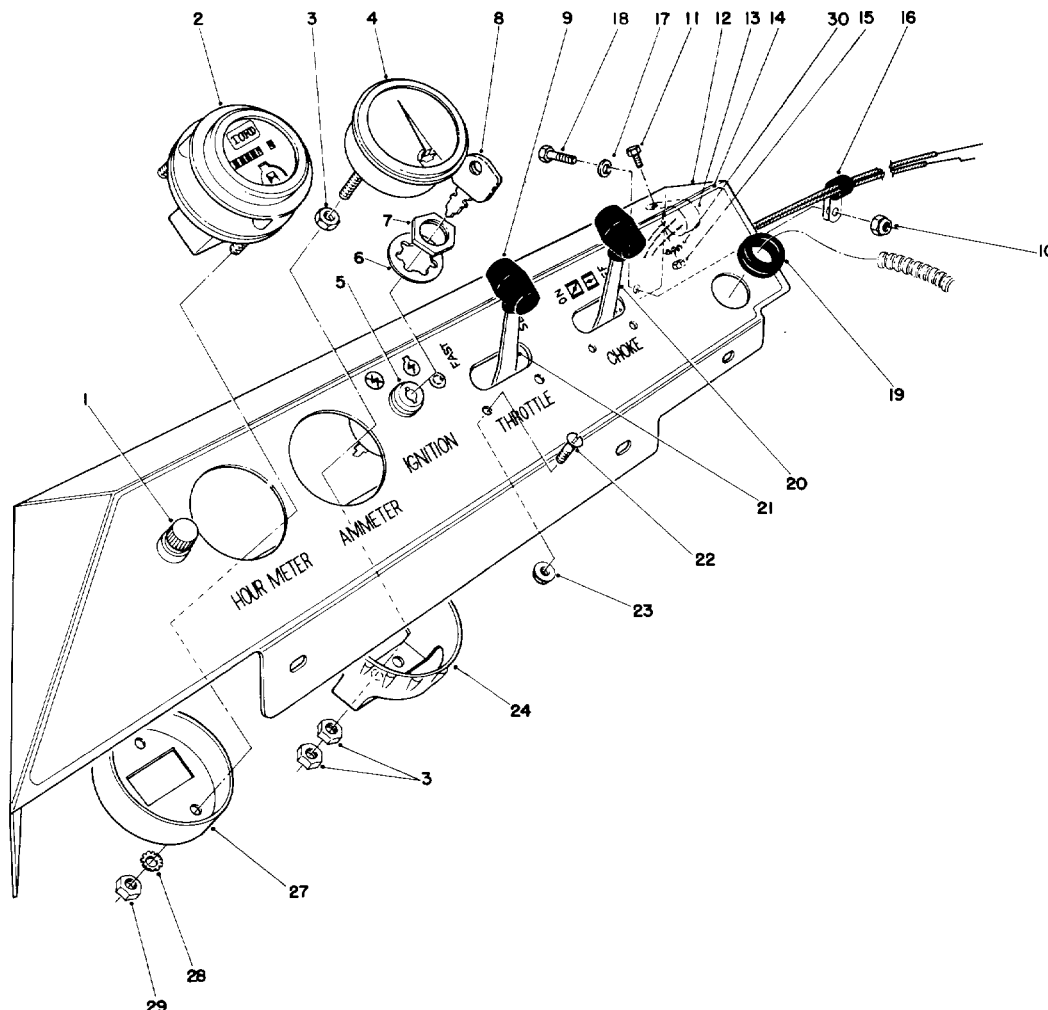
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T-0297

STEERING AND SEAT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
45	65-5890	Cap	2	50	3296-16	Nut - Lock	1
46	322-3	Screw - Cap, Hex. Hd.	2	51	68-5310	Clip Seat	1
47	3253-4	Washer - Lock	2	52	321-3	Screw - Cap, Hex. Hd.	1
48	3272-11	Pin - Cotter	1	53	92-1195	Decal - Service	1
49	68-5100	Rod - Seat	1				



T-0298

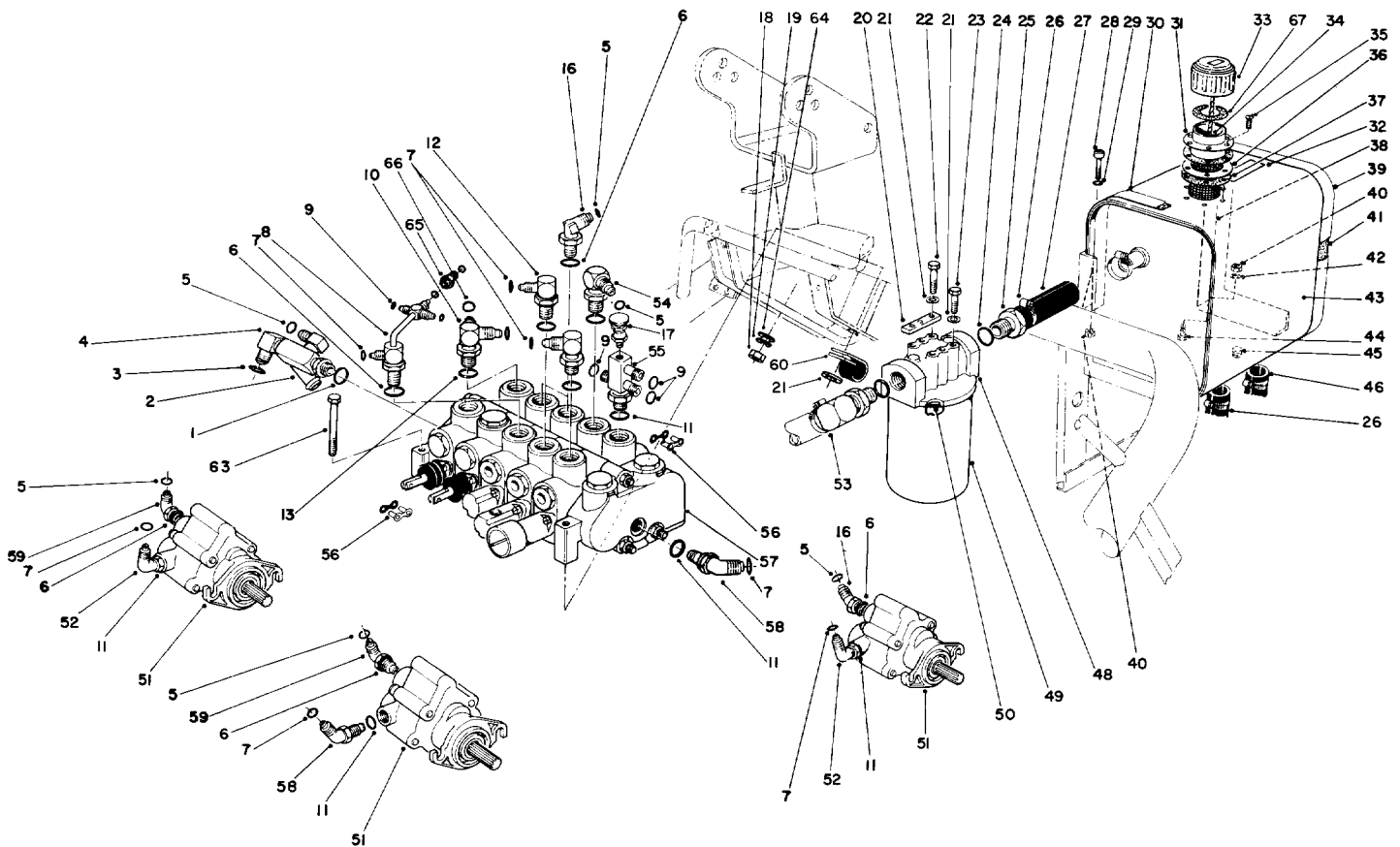
INSTRUMENT PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	218-489	Fuse Holder	1
*†		30 Amp Fuse	1
2	66-2950	Hour Meter Assembly (Incl. Ref. #27)	1
3	3219-14	Nut	6
4	83-0820	Ammeter Assembly (Incl. Ref. #24)	1
5	23-0660	Key Switch (Incl. Ref. #6-7)	1
6	3254-5	Washer - Lock	1
7	218-461	Nut - Hex	1
8	63-8360	Key	1
9	233-50	Knob	2
10	32128-20	Nut - Lock	1
11	321-3	Screw - Cap, Hex. Hd.	1
12	68-9910	Panel - Control	1
13	59-9810	Module	1
14	68-9940	Decal - Control Panel	1

Ref. No.	Part No.	Description	No. Used
15	32149-2	Nut - Lock, Keps	1
16	2412-41	Clip	1
17	3253-23	Washer - Flat	1
18	322-4	Screw - Cap, Hex. Hd.	1
19	237-100	Grommet	1
20	62-2130	Control - Choke (Incl. Ref. #9)	1
21	68-9930	Control - Throttle (Incl. Ref. #9)	1
22	32105-8	Screw - Machine, Rd. Hd.	4
23	32149-7	Nut - Lock	1
24		Clamp - Ammeter	1
25	3256-21	Washer - Flat	2
27		Clamp - Hour Meter	1
28	3255-20	Washer - Lock ETLW	2
29	3217-25	Nut	2
30	3255-7	Washer - Lock, Int. Tooth	1

*Not Illustrated

†Obtain Locally

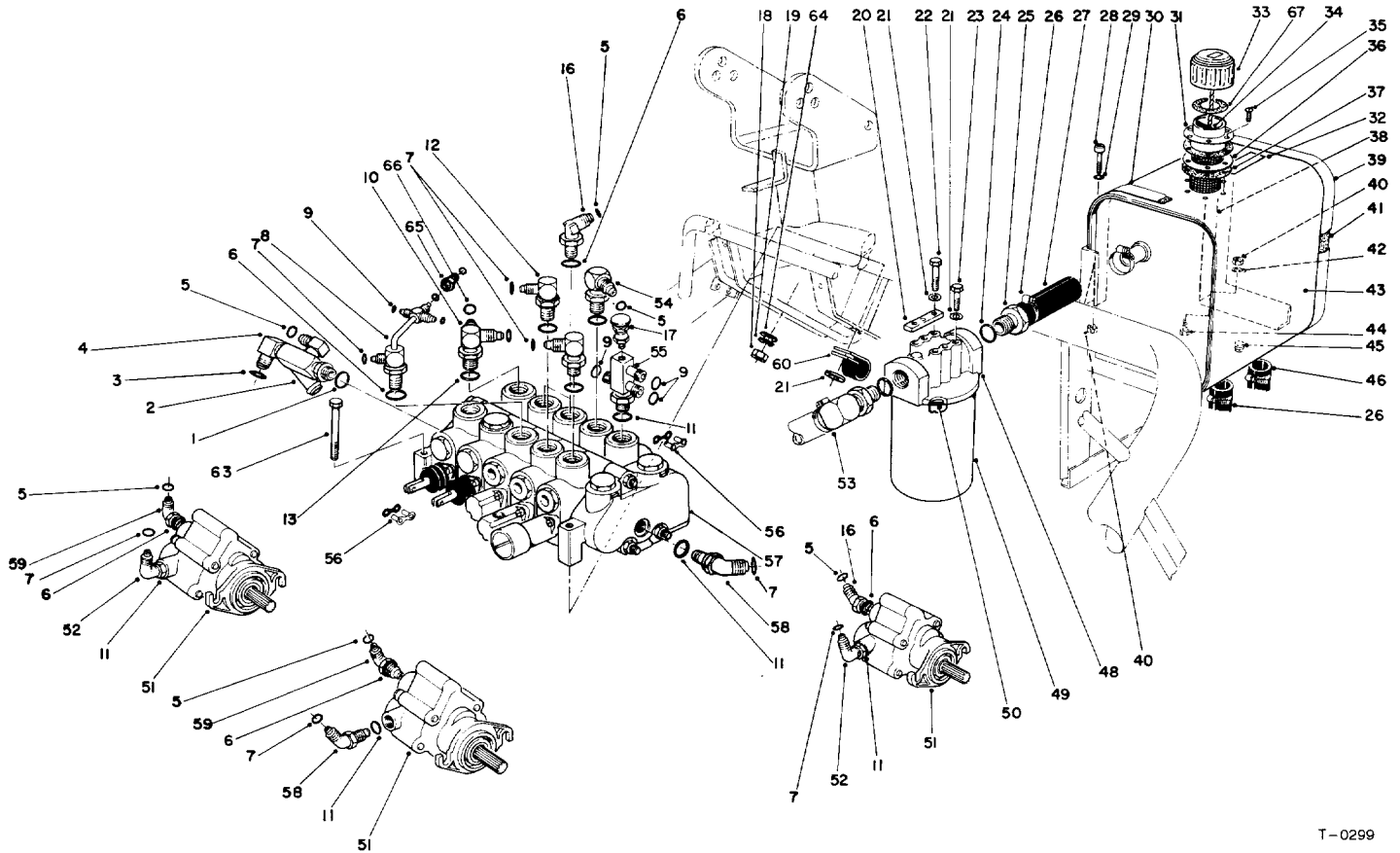


T-0299

VALVE BANK AND HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	237-81	O-Ring	1
2	63-4080	Manifold Drain Orifice	1
3	237-58	O-Ring	A/R
4	340-16	90° Fitting	1
5	237-30	O-Ring	A/R
6	237-79	O-Ring	8
7	237-22	O-Ring	A/R
8	63-4060	Brazed Tube Assembly	1
9	237-21	O-Ring	7
10	63-4050	Fitting Traction Upper	2
11	237-42	O-Ring	A/R
12	340-18	90° Elbow	1
13	237-80	O-Ring	2
16	340-101	45° Fitting	3
17	92-0588	Bushing - Needle	1
18	32128-20	Nut - Hex	3
19	3253-4	Washer - Lock	3
20	27-2380	Spacer - Filler Mount	1
21	3256-23	Washer - Flat	5
22	322-4	Screw - Cap, Hex Hd.	2
23	322-2	Screw - Cap, Hex Hd.	2
24	237-101	O-Ring	1
25	353-563	Fitting - Straight	1
26	2412-3	Clamp - Hose	8
27	27-2040	Hose	1
28	3274-54	Screw - Set, Socket Hd.	2

Ref. No.	Part No.	Description	No. Used
29	3256-22	Washer - Flat	2
30	27-7980	Front Reservoir Strap Assy. (Incl. Ref. #41)	1
31	353-961	Flange Adaptor	1
32	58-6530	Decal - Oil	1
33	62-2570	Breather Cap (Incl. Ref. #31, 34 & 36-37)	1
34	353-962	Cap and Chain Assembly	1
35	32144-34	Screw	6
36	62-2610	Screen Assembly	1
37	353-963	Gasket	2
38	27-2420	Felt Strap - Angle	2
39	27-2400	Reservoir Strap Assembly (Incl. Ref. #41)	1
40	3296-16	Nut-Hex	4
41	27-2420	Felt Strip	2
42	3253-3	Washer - Lock	2
43	55-8480	Tank - Hydraulic	1
44	321-3	Screw - Cap, Hex Hd.	2
45	281-1	Plug - Oil	1
46	27-3040	Hose - Pump	2
48	44-5560	Filter Head - Hydraulic	1
49	74-3570	Filter Element (Incl. Ref. #50)	1
50	72-3850	Seal - Ring	1

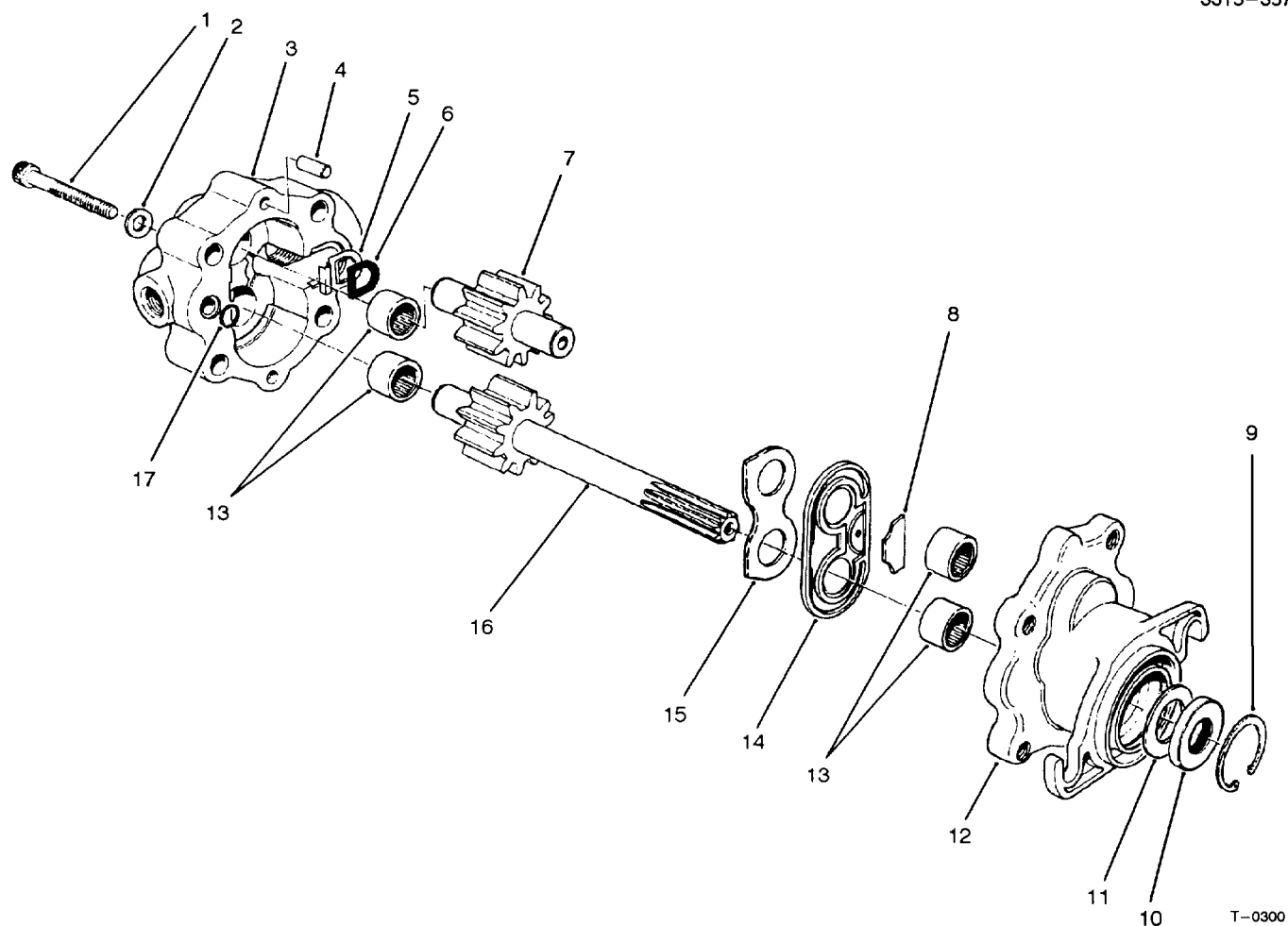


T-0299

VALVE BANK AND HYDRAULIC RESERVOIR ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
51	70-9800	Reel Motor	3	60	304-61	Clamp	1
52	340-77	90° Elbow	3	63	322-14	Screw - Cap, Hex Hd.	3
53	353-564	90° Fitting	1	64	3254-2	Washer - Lock, Int. Tooth	1
54	63-4090	90° Fitting - Extended	1	65	71-0990	Fitting - One Way Orifice	1
55	92-0587	Fitting - Hydraulic Valve (Incl. Ref. #9 & 11)	1	66	237-65	O-Ring	4
56	57-6220	Link Connector	5	67	76-1720	Gasket - Filler Cap	1
57	84-2202	Control Valve	1	*	88-9500	Needle Valve Assembly (Incl. Ref. #9, 11, 17 & 55)	1
58	340-87	45° Fitting	2	*	44-2500	Hydraulic Oil Dye	1
59	340-98	90° Elbow	2				

*Not Illustrated

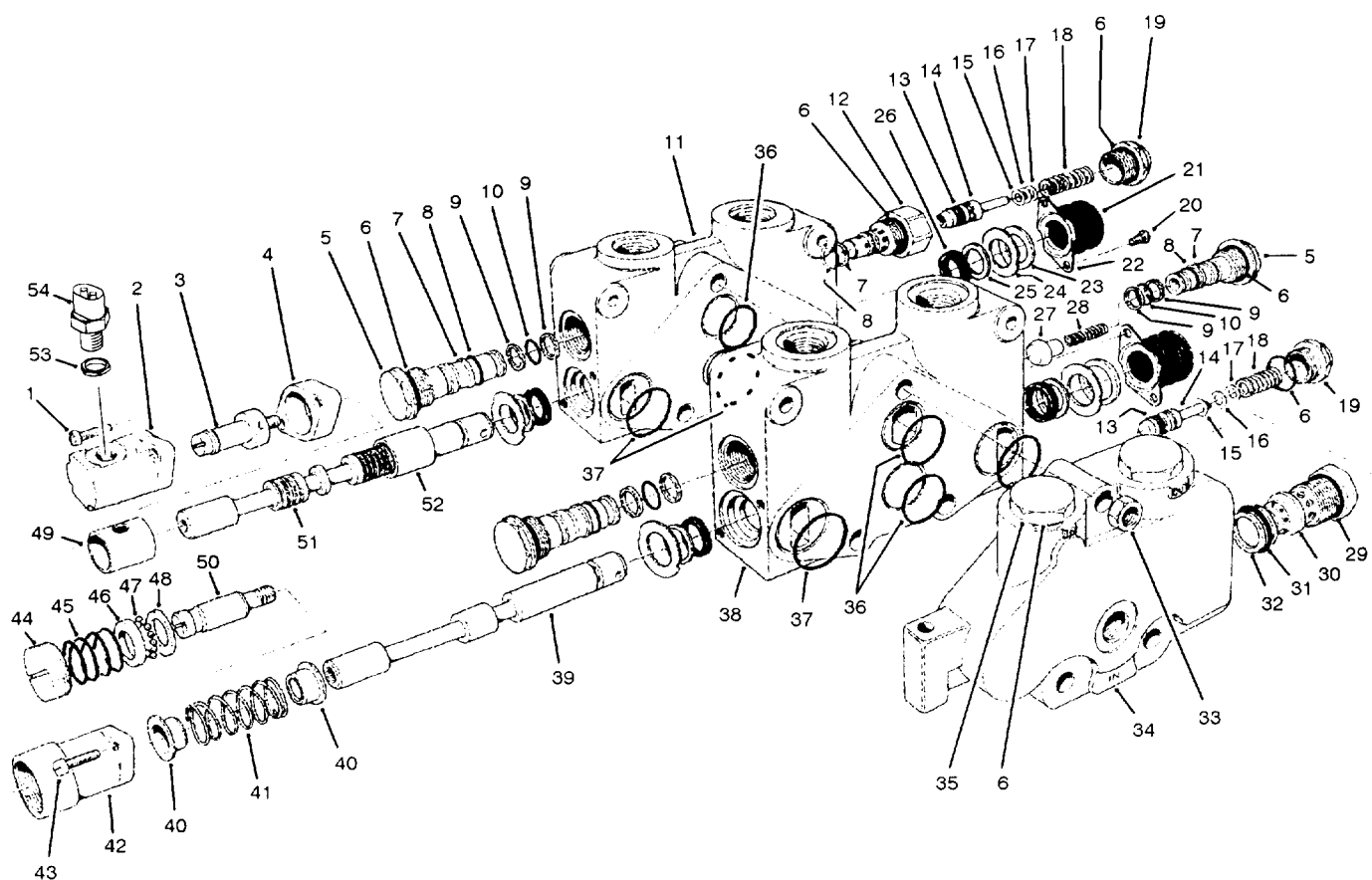


T-0300

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	1

Ref. No.	Part No.	Description	No. Used
13	353-586	Bearing - Needle	4
14	353-594	Seal Assembly	1
15	353-595	Wear Plate	1
16	353-592	Drive Shaft Assembly	1
17	353-596	O-Ring	1
18	72-4380	Seal Kit (Incl. Ref. #9-11)	1
19	72-4390	Repair Kit (Incl. Ref. #5, 6, 8-11, 14, 15 & 17)	



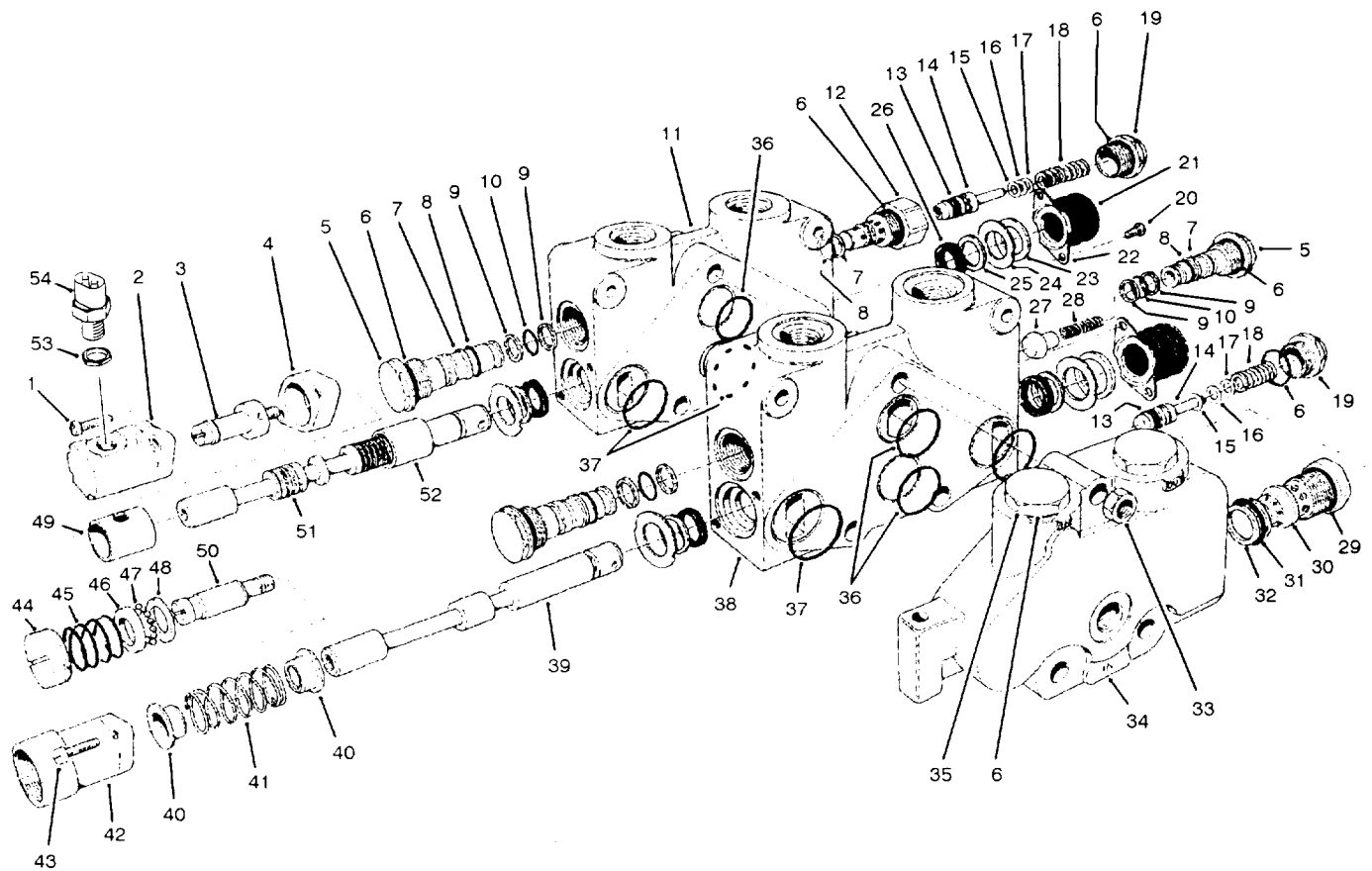
T-1318

CONTROL VALVE ASSY. NO. 84-2202 (Sections 1 & 2)

Ref. No.	Part No.	Description	No. Used
1	3274-70	Screw - Hex, Socket Hd.	2
2	353-727	Bonnet	1
3	353-729	Spud - Detent	1
4	353-733	Spacer - Bonnet	1
5	353-481	Plug - Load Check (Incl. Ref. #6-10)	3
6	237-54	O-Ring	8
7	353-306	Ring - Backup	4
8	353-305	O-Ring	4
9	353-303	Ring - Backup	6
10	353-302	O-Ring	3
11		Housing V20T	1
12	353-851	Body - Relief CP-RC Mod.	1
13	353-392	Seal - Relief Poppet PTFE	2
14	353-531	Poppet Assy. (Incl. Ref. #13)	2
15	353-328	Washer - Shim	A/R
16	353-329	Washer - Shim	A/R
17	353-330	Washer - Shim	A/R
18	353-855	Spring	2
19	353-334	Cap - Relief	2
20	3274-52	Screw - Hex, Socket Hd.	4
21	353-575	Boot - Dust Cap	2
22	353-559	Retainer - Boot	2
23	353-560	Washer - Breather	2

Ref. No.	Part No.	Description	No. Used
24	92-2547	Plate - Seal Retainer	4
25	92-2546	Wiper - Seal	4
26	353-957	Seal - Lip	4
27	353-301	Poppet	1
28	353-304	Spring	1
29	353-331	O-Ring	1
30	353-760	Body Relief	1
31	353-758	Seal - O-Ring	1
32	353-952	Ring - Backup	1
33	3217-7	Nut - Hex	3
34	353-772	Left End Cover	1
35	353-721	Plug (Incl. Ref. #6)	2
†36		O-Ring	3
†37		O-Ring	4
†38		Housing Section #1	1
†39		Spool V20 SPL	1
40	353-417	Collar Spring	2
41	353-530	Spring	1
42	353-780	Bonnet - R. Detent	1
43	3274-15	Screw - Fillister Hd.	2
44	353-763	Cap - Adjustment	1
45	353-579	Spring	1
46	42-2680	Race R. Detent	1
47	52-5880	Ball - Steel	12

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



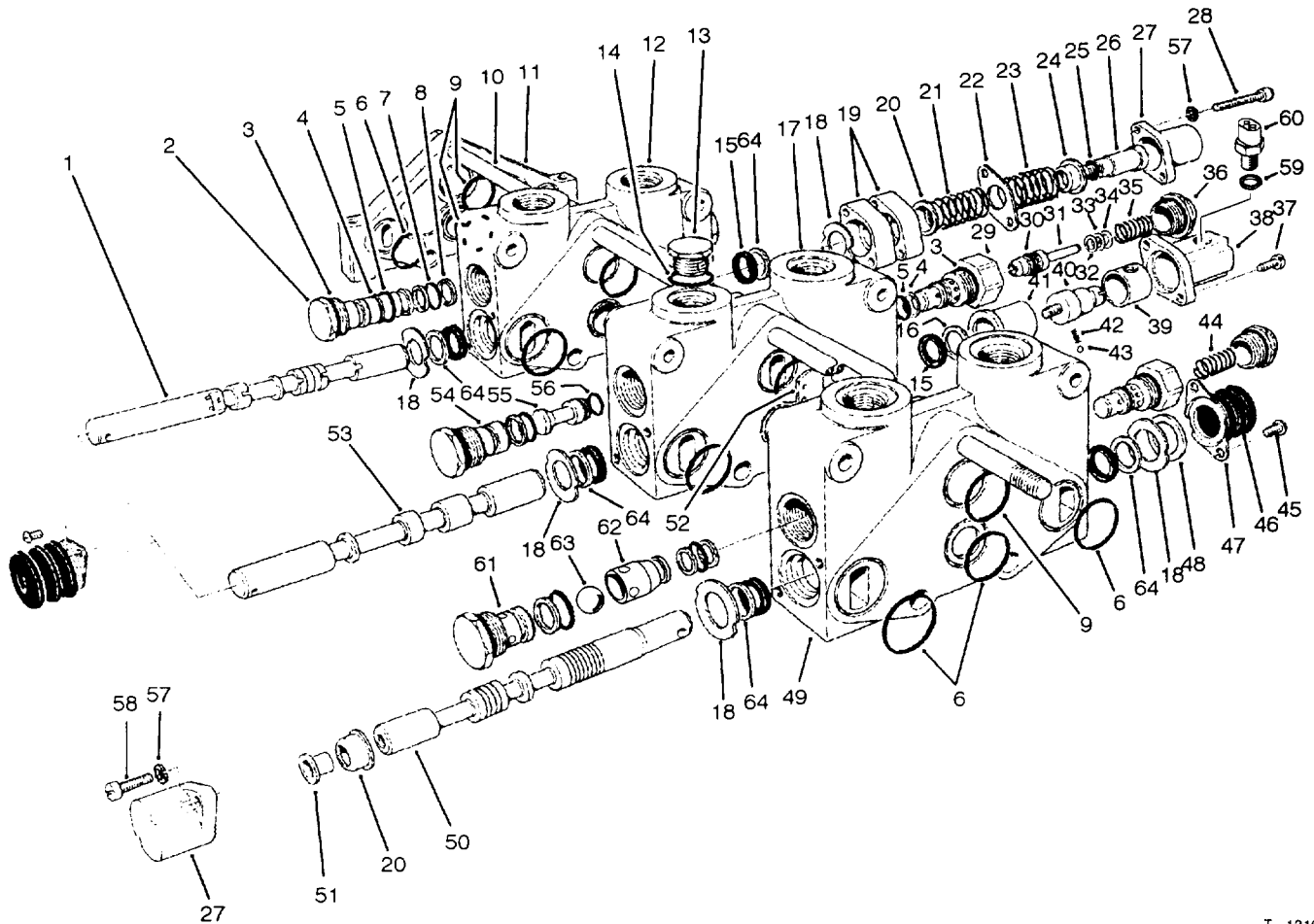
T-1318

CONTROL VALVE ASSEMBLY NO. 84-2202 (Sections 1 And 2) (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
48	354-29	Plate - Thrust	1	*54	353-780	Positioner - R. Detent (Out) (Incl. Ref. #3 & 40-49)	1
49	353-728	Sleeve	1	*	353-839	Positioner - DI (SPL) Assy. (Incl. Ref. #1, 3-5, 50 & 52)	1
50	353-780	Spud - Detent Out (Incl. Ref. #44)	1	*	353-642	Relief - RC Mod. (Incl. Ref. #6-8 & 12-19)	2
†51		Spool V20 3 Way F.F.	1	*	353-835	Seals - Section Set (Incl. Ref. #36 & 37)	1
52	353-732	Sleeve - Detent	1	*	92-2548	Seal - Spool Set (Incl. Ref. #24-26)	1
53	38-0410	Nut - Hex.	1	*	353-854	Boot - Spool Assembly (Incl. Ref. #20-23)	2
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				

*Not Illustrated

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



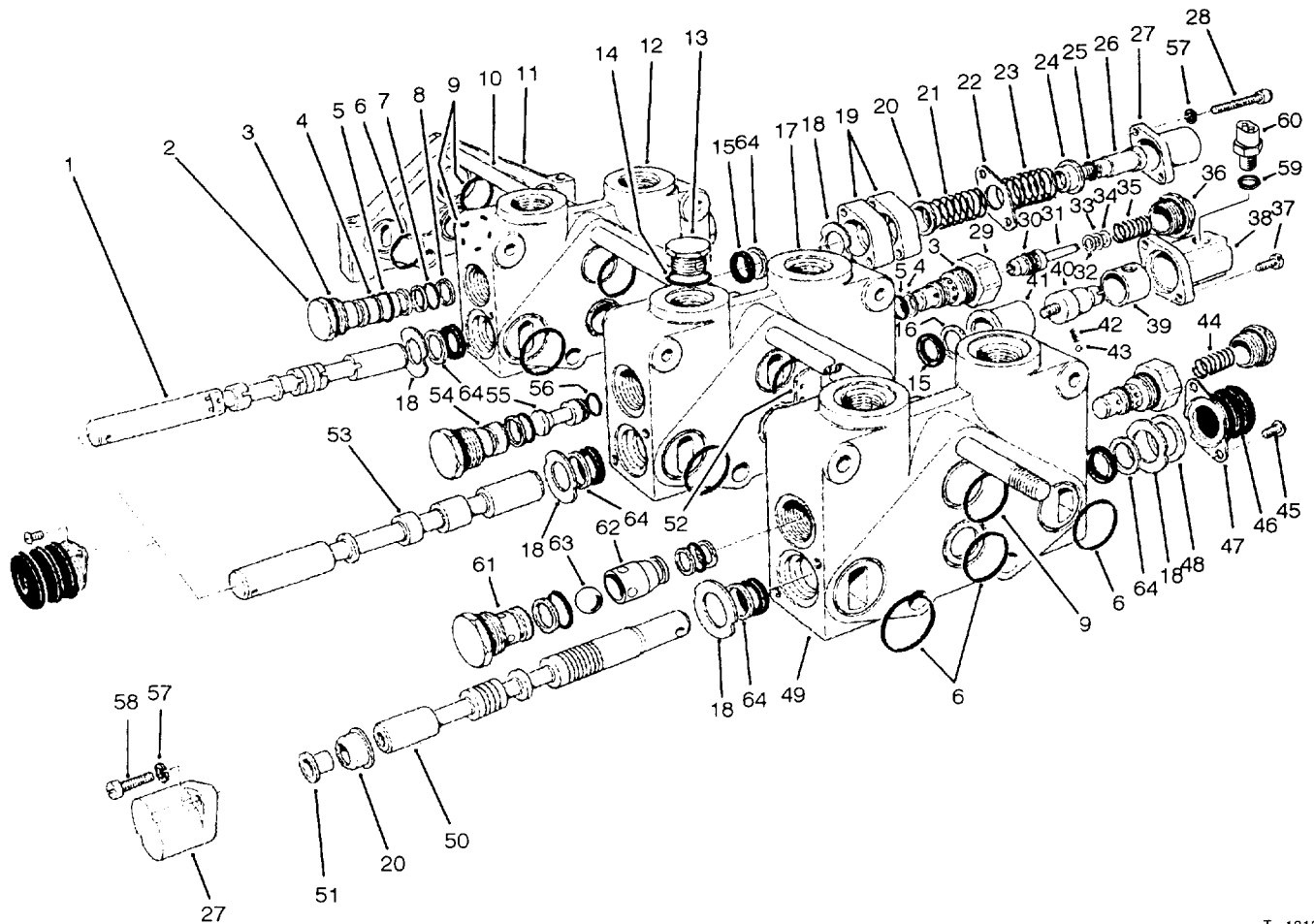
T-1319

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

Ref. No.	Part No.	Description	No. Used
†1		Spool #5	1
2	353-481	Plug - Load Check (Incl. Ref. #3-5 & 7-8)	2
3	237-54	O-Ring	6
4	353-306	Ring - Backup	5
5	353-305	O-Ring	5
†6		O-Ring	11
7	353-302	O-Ring	3
8	353-303	Ring - Backup	6
†9		O-Ring	5
10	353-853	Bolt - Hex Hd.	3
11	353-668	Plate - Cap, Cover RH	1
12		Housing V20 #5	1
13	353-550	Plug Assembly (Incl. Ref. #14)	1
14	353-848	O-Ring	1
15	353-957	Seal - Lip	6
16	353-958	Ring - Backup	1
†17		Housing V20 #4	1
18	92-2547	Plate - Seal Retainer	6
19	353-733	Spacer - Bonnet	2
20	353-417	Collar Spring	2
21	353-831	Spring	1
22	353-529	Plate Seal	1
23	353-530	Spring	1

Ref. No.	Part No.	Description	No. Used
24	353-808	Collar - Spring	1
25	353-830	O-Ring	1
26	353-829	Collar Spool	1
27	354-26	Bonnet	2
28	354-28	Screw - Hex, Socket Hd.	2
29	353-851	Body - Relief CP-RC Mod.	2
30	353-392	Seal - Relief Poppet PTFE	2
31	353-531	Poppet Assembly (Incl. Ref. #30)	2
32	353-328	Washer - Shim	A/R
33	353-329	Washer - Shim	A/R
34	353-330	Washer - Shim	A/R
35	353-398	Spring	1
36	353-334	Cap - Relief	2
37	52-5900	Screw - Fillister Hd.	4
38	353-847	Bonnet (SPL)	1
39	353-849	Sleeve	1
40	353-846	Spud - DI (SPL)	1
41	353-845	Sleeve - Detent	1
42	353-730	Spring	1
43	353-731	Ball	1
44	353-855	Spring	1
45	3274-52	Screw - Hex, Socket Hd.	6
46	353-575	Boot - Dust Cap	3
47	353-559	Retainer - Boot	3

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



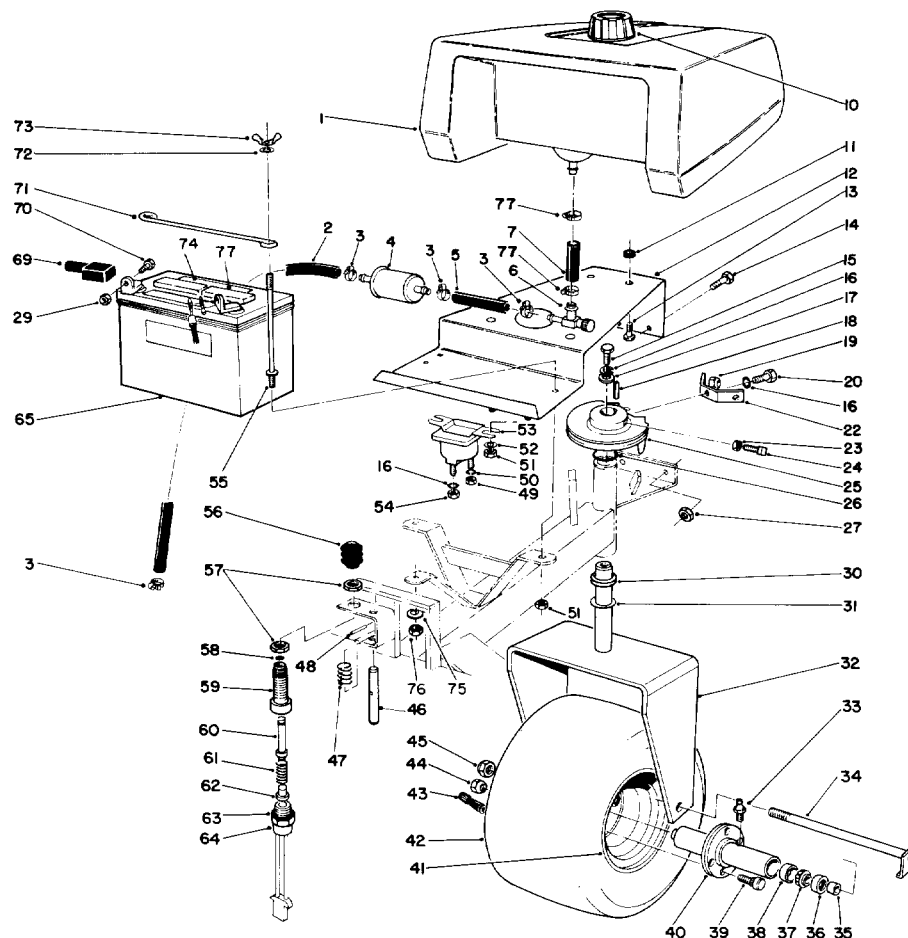
T-1319

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	*	353-835	Seals - Section Set (Incl. Ref. #6 & 9)	1
49		Housing V20 #2	1	*	92-2548	Seal - Spool Set (Incl. Ref. #15, 16 & 18)	1
†50		Spool V20 3 Way F.F.	1	*	353-854	Boot - Spool Assembly (Incl. Ref. #45-48)	3
51	52-5860	Collar - Spool	1	*	353-770	Section #3 Assembly (Complete)	1
52	354-122	Disc - Seal	1	*	354-25	Section #4 Assembly (Complete)	1
†53		Spool #4	1	*	353-834	Section #5 Assembly (Complete)	1
54	353-953	Plug Assembly	1	*	353-841	Position - Spool Assembly (Incl. Ref. #20 27 37 & 51)	1
55	353-844	Plus Series (Incl. Ref. #56)	1	*	353-840	Position - DI (SP) Assy. (Incl. Ref. #37-43)	1
56	353-850	O-Ring	1	*	353-642	Relief - RC Mod. Assembly (Incl. Ref. #3-5 & 29-36)	1
57	3253-3	Washer - Lock	4	*	353-833	Positioner Assembly (Incl. Ref. #19-28)	1
58	3274-84	Screw - Cap, Hex. Hd.	4	*	84-2202	Control Valve Assembly Complete	1
59	38-0410	Nut - Hex.	1				
60	83-1890	Switch - Ball	1				
61	353-483	Body - Anticavitation	1				
62	353-484	Retainer - Ball	1				
63	353-737	Ball	1				
64	92-2546	Wiper - Seal	5				
*	354-129	Anticavitation Check Assy. (Incl. Ref. #3, 4, 5, 7, 8 & 61-63)	1				

*Not Illustrated

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

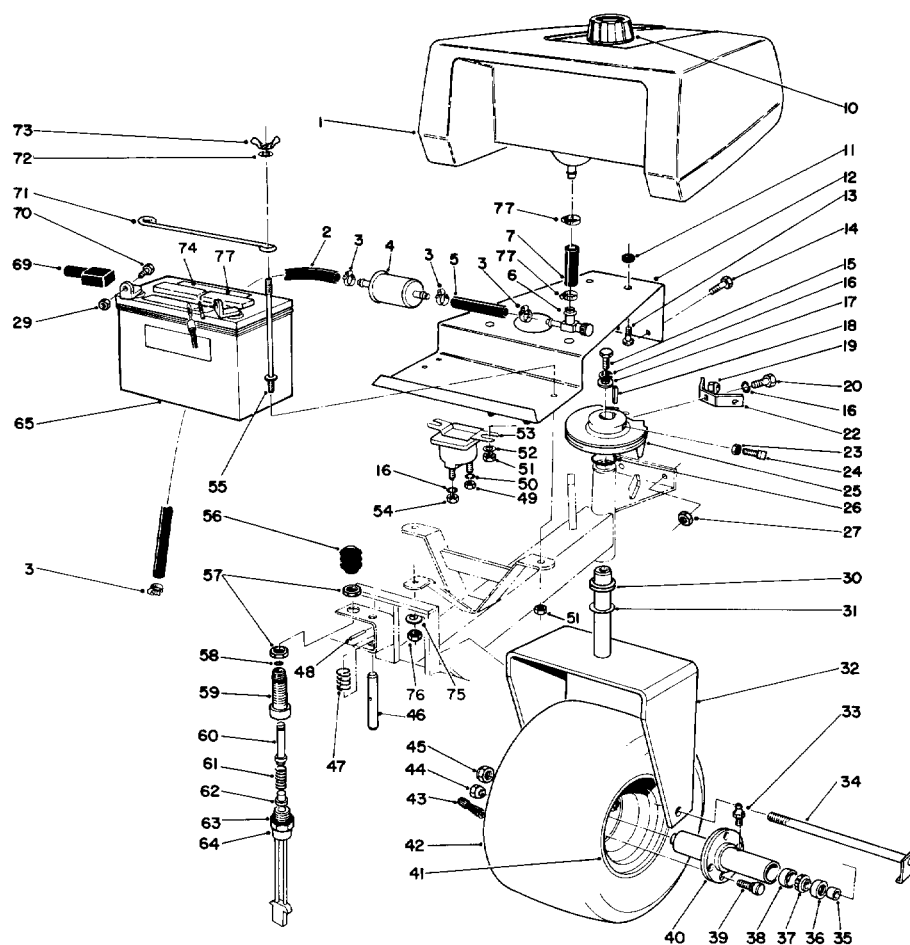


T-0303

GAS TANK BATTERY AND CASTER WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	74-3580	Gas Tank	1
2	62-2470	Hose - Gas Line (Long)	1
3	2412-108	Clamp - Hose	4
4	18-1520	Fuel Filter	1
5	56-2240	Hose - Gas Line (Short)	1
6	56-2520	Fitting - Fuel Shut-off	1
7	56-2230	Hose - Fuel Line	1
10	55-3570	Gas Cap	1
11	237-136	Grommet	4
12	62-2210	Tank Base	1
13	3250-36	Screw - Phil. Hd.	4
14	323-6	Screw - Cap, Hex Hd.	2
15	322-3	Screw - Cap, Hex Hd.	1
16	3253-4	Washer - Lock	4
17	62-2190	Washer - Special	1
18	5-0698	Key	1
19	3296-4	Nut - Lock	2
20	322-5	Screw - Cap, Hex Hd.	1
22	3-8516	Anchor - Cable	1
23	3218-2	Nut - Jam	2
24	3242-9	Screw - Set, Sq. Hd.	2
25	61-9390	Drum - Steering	1
26	237-149	O-Ring - Seal	1
27	3296-39	Nut - Lock	2
29	3217-5	Nut - Hex	2
30	237-148	Seal - Quad Ring	1

Ref. No.	Part No.	Description	No. Used
31	62-2170	Washer - Thrust	1
32	62-2220	Caster Fork	1
33	302-5	Fitting - Grease	1
34	5-3934	Bolt	1
35	74-3730	Spacer	2
36	253-111	Seal	2
37	254-78	Cone	2
38	254-79	Cup	2
39	10-6830	Drive Stud	4
40	75-9440	Hub Assembly	1
41	217-60	Rim	1
42	28-3680	Tire	1
43	232-24	Valve Stem - With Cap	1
44	242-50	Nut - Wheel	4
45	3296-50	Nut - Lock	1
46	51-0350	Pin - Seat Spring	1
47	3-6685	Spring	1
48	3284-3	Pin Groove	1
49	3219-14	Nut - Hex	2
50	3254-1	Washer - Lock	2
51	32149-2	Nut - Lock	2
52	3256-22	Washer - Flat	2
53	28-4210	Solenoid	1
54	3218-13	Nut - Jam	2
55	10-8120	Bolt - Battery	2
56	43-8870	Boot - Switch	1

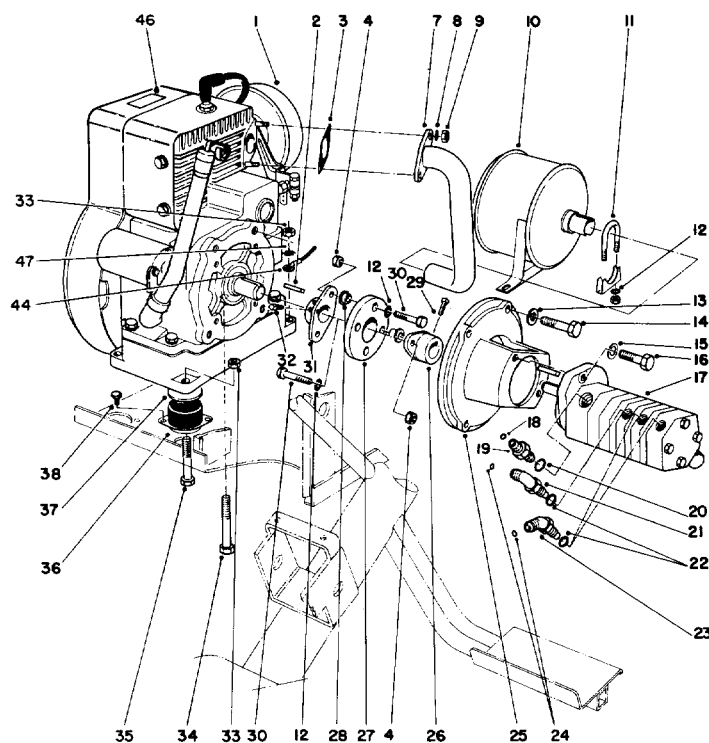
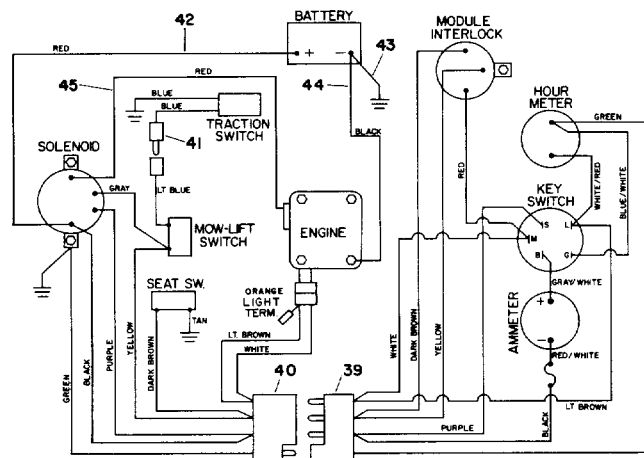


T-0303

GAS TANK BATTERY & CASTER WHEEL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
57	218-461	Nut - Jam	2	71	72-4790	Hold Down - Battery	1
58	237-7	O-Ring	1	72	3256-22	Washer - Flat	2
59	43-8620	Guide - Switch Pin	1	73	32103-12	Nut - Wing	2
60	43-8860	Plunger - Switch	1	74	92-1707	Cap - Battery (Poison)	1
61	43-8600	Spring - Compression	1	75	3256-23	Washer - Flat	1
62	43-8610	Guide - Spring & Ball Seat	1	76	3296-29	Nut - Lock	1
63	237-30	O-Ring	1	77	2412-36	Clamp - Gas Line	2
64	72-4320	Switch - Neutral	1	78	92-1699	Cap - Battery (Flush)	1
65	92-1677	Battery	1	*	43-9071	Switch Assembly (Incl. Ref. #56-64)	1
69	28-8080	Boot Terminal	1				
70	321-3	Screw - Cap, Hex Hd.	2				

*Not Illustrated



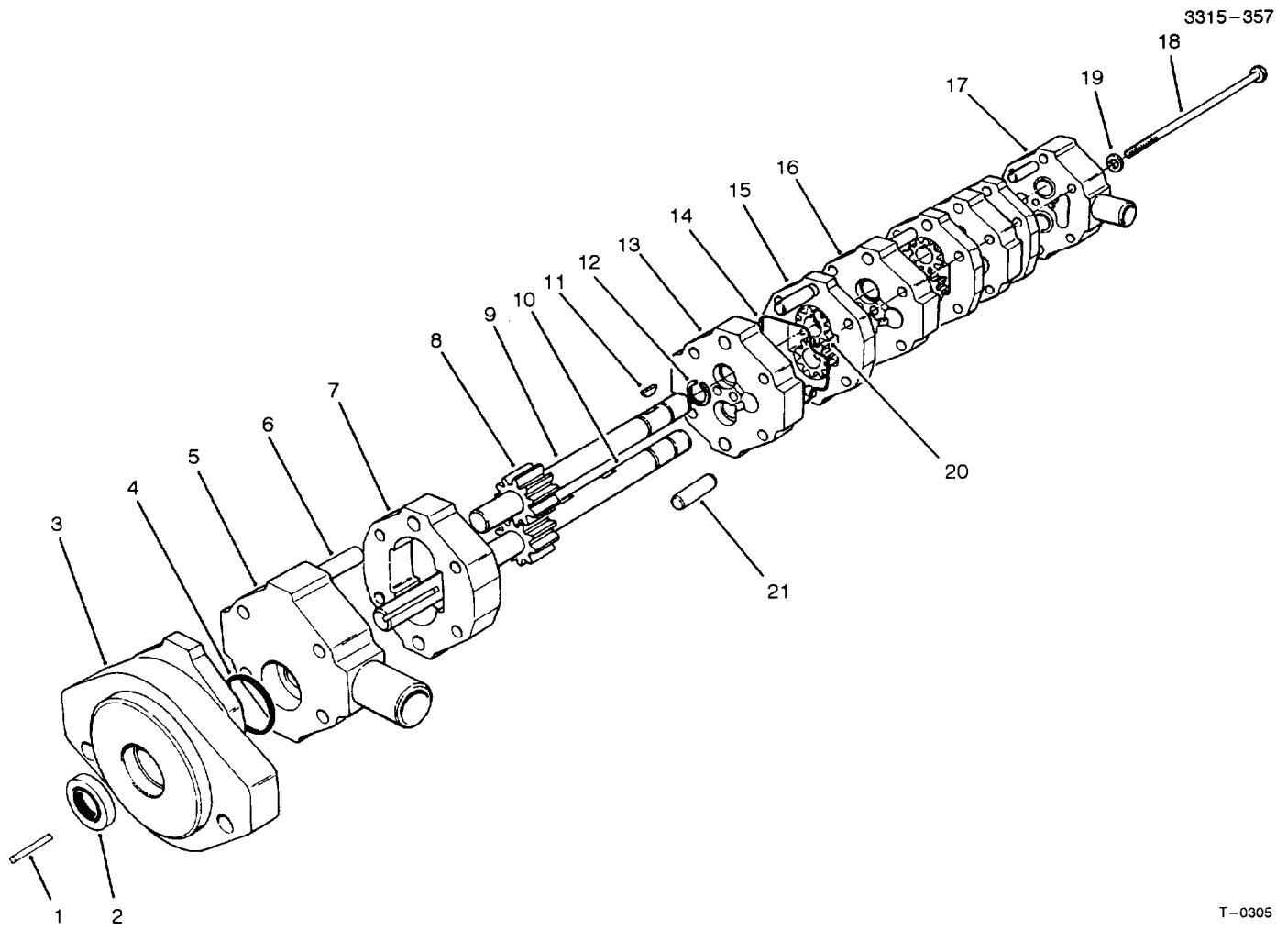
T-0304

ENGINE AND WIRING DIAGRAM

Ref. No.	Part No.	Description	No. Used
1	12-7189	Engine	1
2	10-7070	Key - Engine	1
3	82-5570	Gasket - Exhaust	1
4	3296-29	Nut - Lock	4
7	62-2270	Exhaust Pipe	1
8	3253-4	Washer - Lock	2
9	3217-6	Nut - Hex	2
10	62-2110	Muffler Assembly	1
*	62-2780	Spark Arrestor Muffler (Optional)	1
11	2412-76	Muffler Clamp Assembly	1
12	3256-23	Washer - Flat	6
13	3253-6	Washer - Lock	4
14	324-6	Screw - Cap, Hex Hd.	4
15	3253-21	Washer - Lock	2
16	323-8	Screw - Cap, Hex Hd.	2
17	62-2300	Traction Pump Assembly	1
18	237-30	O-Ring	1
19	340-6	Fitting - Straight	1
20	237-79	O-Ring	1
21	340-77	90° Fitting	1
22	237-42	O-Ring	3
23	340-87	45° Fitting	2
24	237-22	O-Ring	2

Ref. No.	Part No.	Description	No. Used
25	27-1930	Pump Mount	1
26	27-1970	Coupling - Pump	1
27	44-2230	Coupling - Rubber	1
28	27-6600	Spacer - Rubber	4
29	3241-6	Screw - Set, Sq. Hd.	2
30	322-6	Screw - Cap, Hex Hd.	4
31	27-1960	Coupling - Engine	1
32	3241-2	Screw - Set, Sq. Hd.	2
33	3296-39	Nut - Lock	4
34	323-15	Screw - Cap, Hex Hd.	1
35	323-20	Screw - Cap, Hex Hd.	3
36	27-2150	Mounting Pad - Engine	4
37	63-7400	Washer - Flat	4
38	32144-1	Screw - Thread Forming	8
39	62-2350	Wire Harness - Column	1
40	88-9690	Wire Harness - Frame	1
41	88-9680	Wire Harness - Traction	1
42	10-7130	Wire - Solenoid to Starter	1
43	28-2120	Wire - Battery to Ground	1
44	27-3070	Wire - Battery to Engine	1
45	62-2630	Wire Assembly	1
46	71-3620	Decal - Engine	1
47	3254-6	Washer - Lock	1

*Not Illustrated

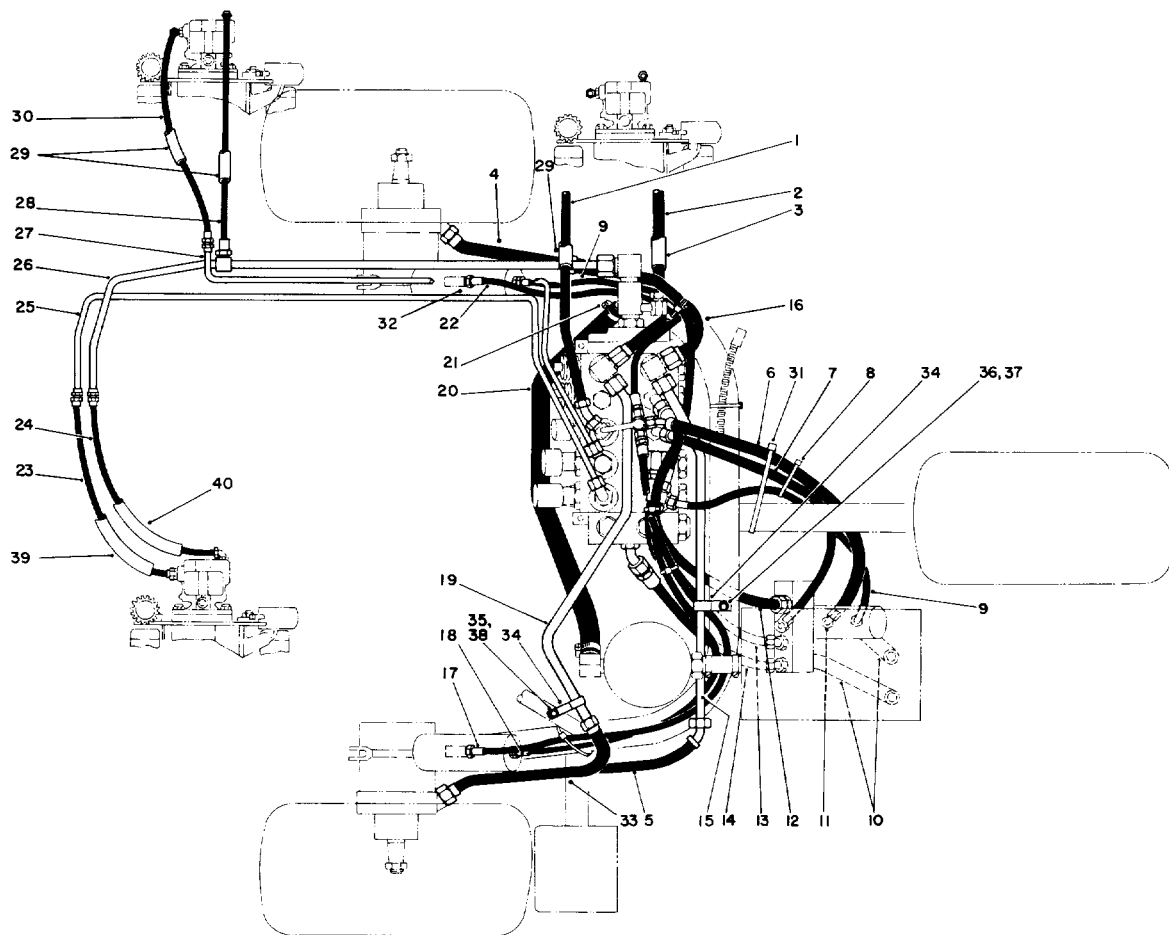


T-0305

TRACTION PUMP NO. 62-2300

Ref. No.	Part No.	Description	No. Used
1	5-0946	Key - Square	1
2	353-931	Seal - Oil	1
3	353-916	Flange Assembly	1
4	353-917	O-Ring	1
5	353-918	Body Assembly	1
6	353-970	Dowel	2
7	353-971	Gear Plate - Pump	1
8	353-964	Gear - 66B	2
9	353-965	Idler Shaft Assembly	1
10	353-972	Shaft - Drive	1
11	353-884	Key - Woodruff	4

Ref. No.	Part No.	Description	No. Used
12	353-886	Ring - Retaining	2
13	353-921	Plate Assembly	1
14	353-922	Seal Ring - Pump	8
15	353-969	Gear Plate - 30B	3
16	353-923	Plate Assembly	2
17	353-927	Cover Assembly	1
18	353-966	Screw - Cap, Hex Hd.	4
19	353-600	Washer - Flat	4
20	353-967	Gear - 33B	5
21	353-968	Dowel	6



T-0306

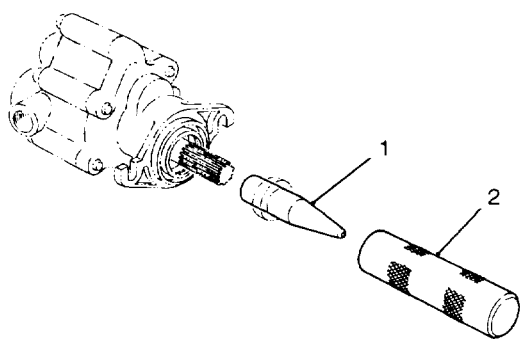
HYDRAULIC SYSTEMS DIAGRAM

Ref. No.	Part No.	Description	No. Used
1	74-3830	Hose - Pressure, Rear (Incl. Ref. #29)	1
2	63-3840	Hose - Return, Rear (Incl. Ref. #3)	1
3	56-7981	Splash Shield	1
4	70-8600	Traction Hose - Upper R.H.	1
5	70-7150	Traction Hose - Lower L.H.	1
6	63-3930	Hose Cylinder - Drop, Rear	1
7	63-3900	Hose - Pump #3	1
8	3290-379	Tie - Cable	6
9	63-3880	Hose Cylinder Lift R.H. and Rear	2
10	27-3040	Hose - Pump/Inlet	2
11	340-103	45° Elbow Adjustable	1
12	63-3940	Hose - Pump #4	1
13	63-3910	Hose - Pump #2	1
14	63-3920	Hose - Pump #1	1
15	83-1200	Tube - Traction Lower L.H.	1
16	83-2460	Hose - Traction Lower R.H.	1
17	63-3850	Hose - Cylinder - Drop L.H.	1
18	63-3890	Hose - Cylinder - Lift L.H.	1
19	70-7130	Traction Line - Upper L.H.	1
20	68-5880	Return Line - Man. to Filter	1
21	2412-3	Clamp - Hose	2
22	63-3950	Hose - Cylinder - Drop L.H.	1

Ref. No.	Part No.	Description	No. Used
23	63-3870	Hose - Pressure L.H. (Incl. Ref. #39)	1
24	63-3830	Hose - Return L.H. (Incl. Ref. #40)	1
25	63-4020	Pressure Line Cutting Unit L.H.	1
26	63-4040	Return Line - R.H.	1
27	63-4030	Pressure Line Cutting Unit R.H.	1
28	63-3820	Hose - Return R.H. (Incl. Ref. #29)	1
29	56-7980	Splash Shield	3
30	63-3810	Hose - Pressure R.H. (Incl. Ref. #29)	1
31	3333-975	Cable Tie	1
32	340-92	Fitting - Orifice Str.	1
33	70-8610	Hose - Traction, Upper L.H.	1
34	2412-41	R-Clamp	3
35	12-3270	Screw - Cap, Hex. Hd.	3
36	321-3	Screw - Cap, Hex. Hd.	1
37	3296-16	Nut - Lock	1
38	3256-22	Washer - Flat	1
39	56-7986	Sleeve - Protective	1
40	56-7987	Sleeve - Protective	1

SPECIAL TOOLS

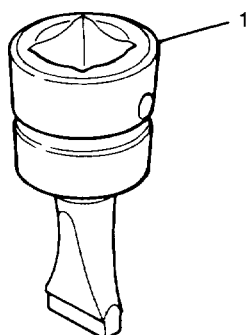
REEL MOTOR SEAL INSTALLATION TOOLS



T-0727

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

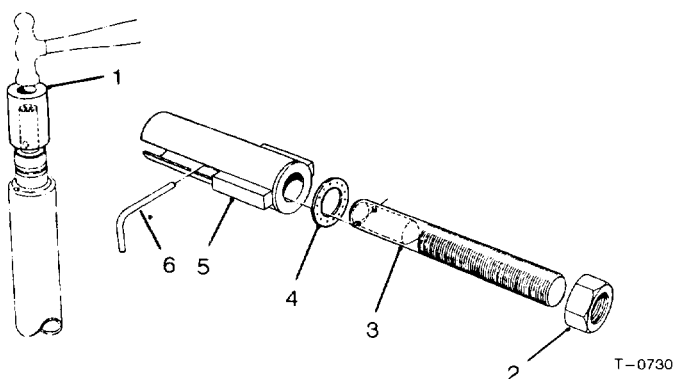
BED KNIFE SCREW TOOL NO. TOR510880



T-0729

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

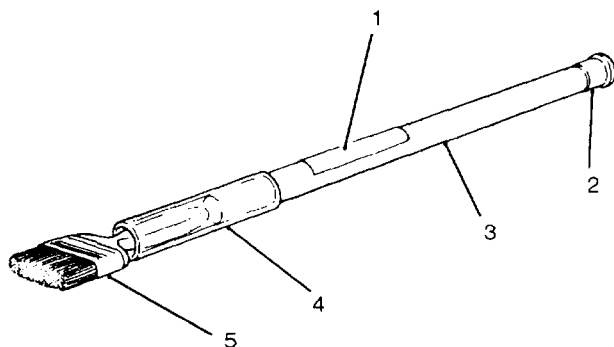
BEARING REPLACEMENT TOOL KIT NO. TOR238900



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



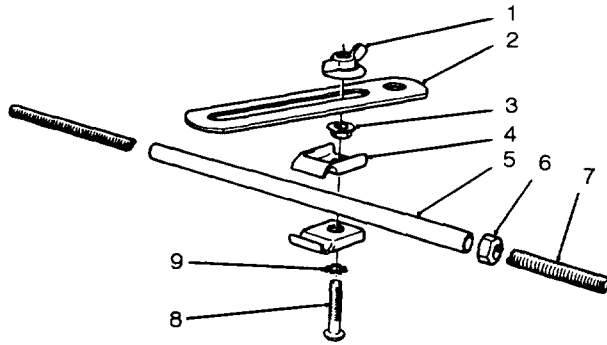
T-0731

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

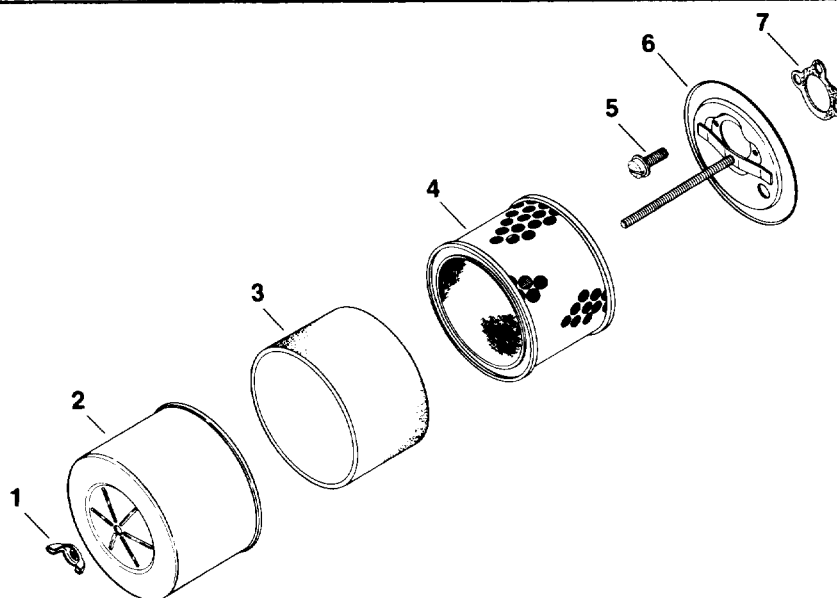


T-0732

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

**Group 1
AIR INTAKE**



T-1179

ENGINE ASSY. – KOHLER MODEL NO. M16S-711533

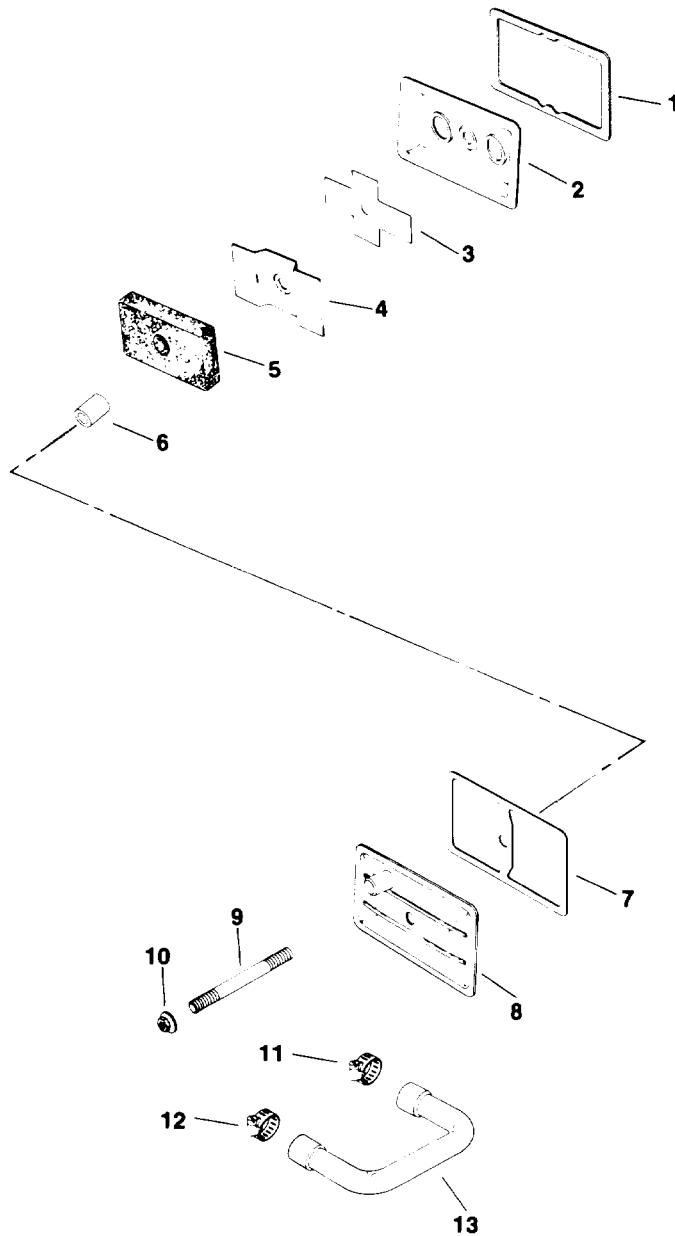
Ref. No.	Part No.	Description	No. Used
1	X-276-7	Air Inlake	1
2	4508201	Nut – Wing	1
3	4508301	Cover – Air Cleaner	1
4	4508302	Precleaner – Element	1
		Element	1

Ref. No.	Part No.	Description	No. Used
5	X-167-2	Screw – F.H.	3
6	4509401	Base – Air Cleaner	1
7	275341	Gasket – Air Horn	1
*	2511307	Decal	1

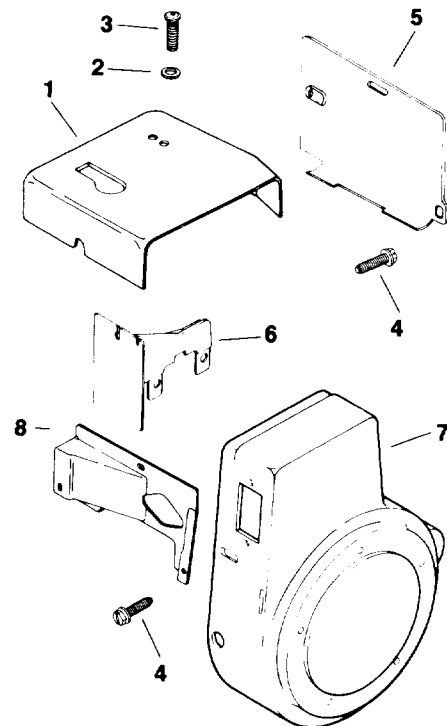
*Not Illustrated

ENGINE ASSY. – KOHLER MODEL NO. M16S-711533

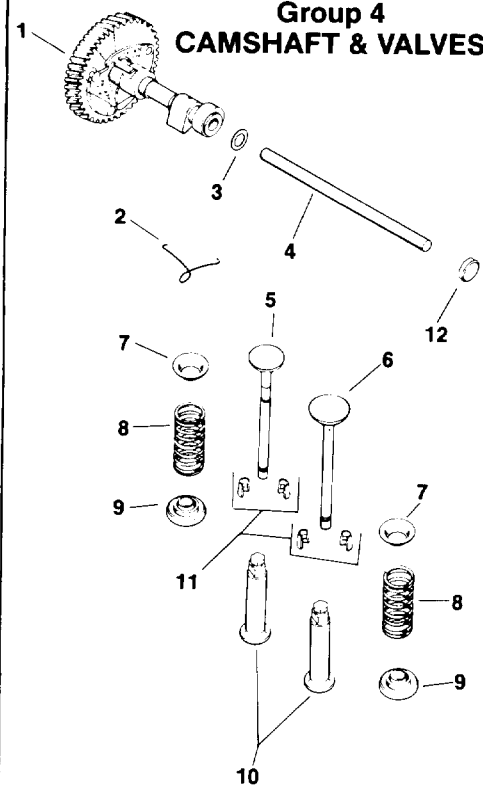
Group 3 BREATHER & VENT



Group 2 BAFFLES & SHROUD



Group 4 CAMSHAFT & VALVES



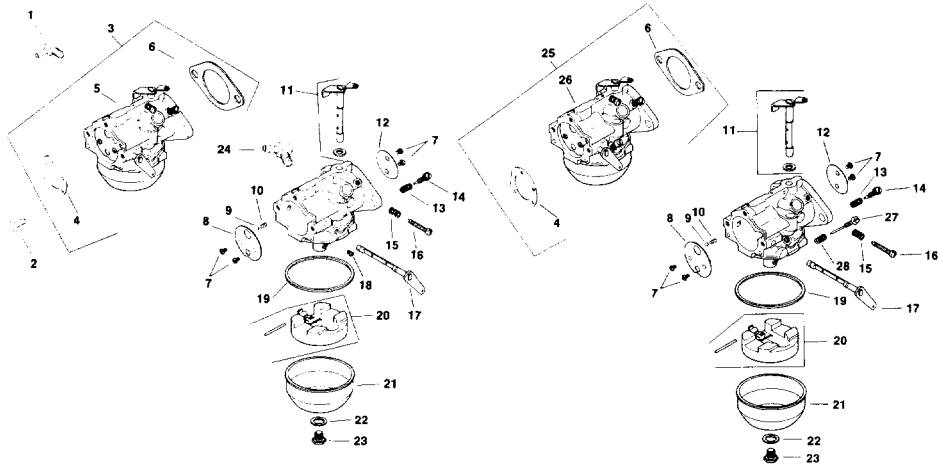
ENGINE ASSY. – KOHLER MODEL NO. M16S-711533

Ref. No.	Part No.	Description	No. Used
		Baffles & Shroud	
1	4506308	Baffle – Head	1
2	X-25-53	Washer – Plain	1
3	4708608	Screw – Pozidriv T.H.	1
4	5208611	Screw – Hex Wash. Hd.	6
5	4706310	Baffle – Cylinder	1
6	4706307	Baffle – Inner	1
7	4702742	Housing – Blower	1
8	4706311	Baffle – Side Air	1
		Breather & Vent	
1	235048	Gasket – Breather Plate	1
2	235631	Plate – Breather	1
3	235047	Reed – Breather	1
4	235117	Baffle – Breather	1
5	235118	Filter – Breather	1
6	231032	Seal – Breather	1
7	275144	Gasket – Valve Cover	1
8	275839	Cover – Valve	1
9	275220	Stud – Valve Cover	1
10	X-799-1	Palnut	1
11	X-426-3	Clamp – Hose 1/2" Wide	1
12	X-426-9	Clamp – Hose 5/16" Wide	1
13	4732602	Hose – Breather	1

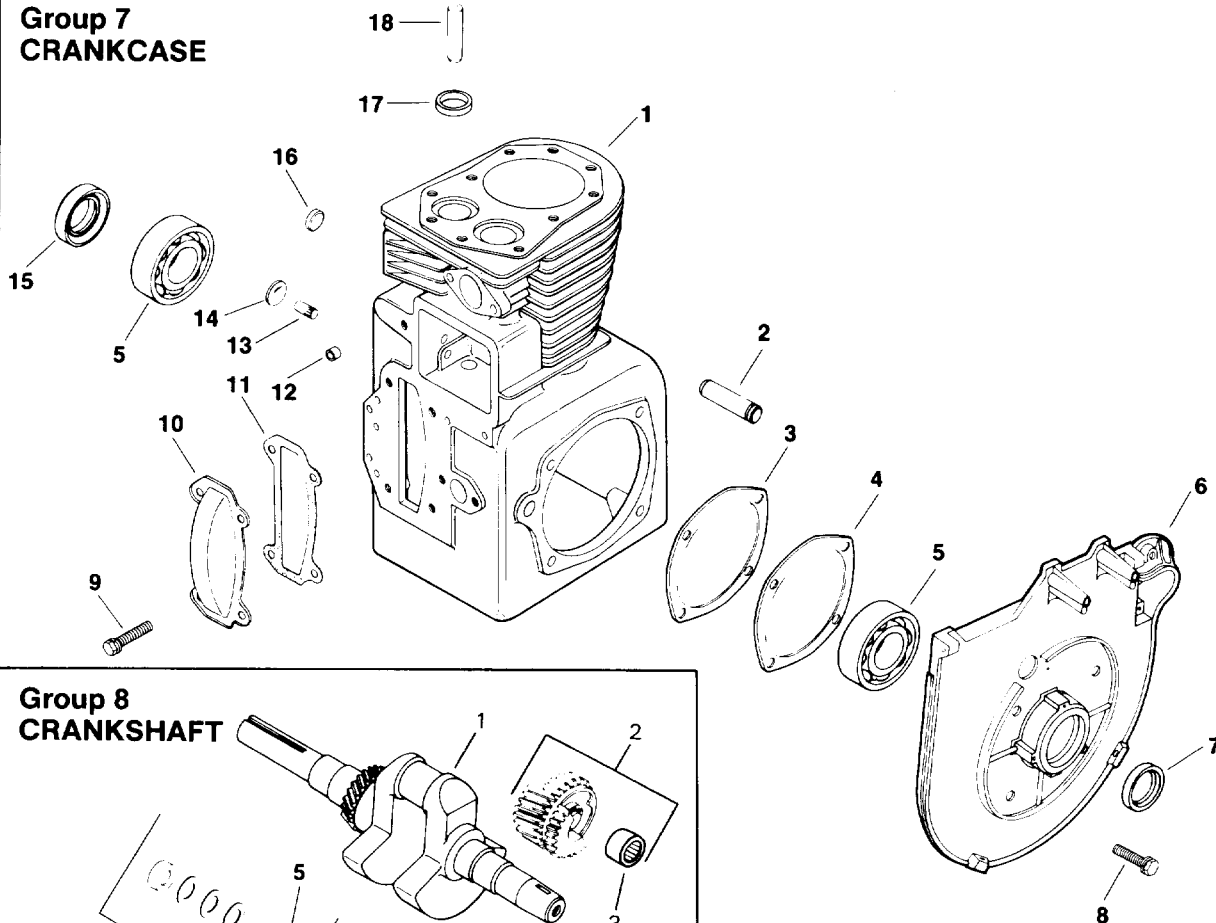
Ref. No.	Part No.	Description	No. Used
		Camshaft & Valves	
1	4701011	Camshaft Assembly	1
2	4708901	Spring – Actuating	1
3	275066	Spacer .005	A/R
3	275067	Spacer .010	A/R
4	4738009	Pin – Camshaft	1
5	237672	Valve – Exhaust	1
6	235582	Valve – Intake	1
7	235011	Retainer – Upper Spring	2
8	235168	Spring – Valve	2
9	5241301	Rotator	2
10	D-235327	Tappet	2
11	4175510	Kit – Retainer	2
12	X-702-3	Plug Cup 1/2 O.P.	1

ENGINE ASSY. – KOHLER MODEL NO. M16S-711533

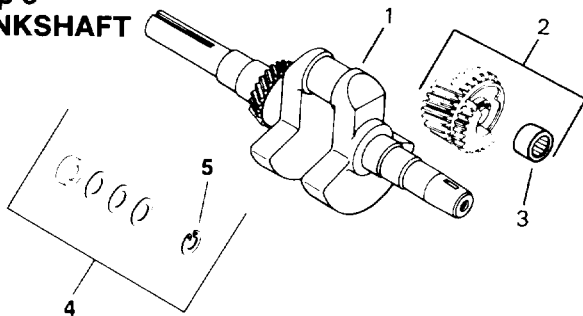
Group 5 CARBURETOR



Group 7 CRANKCASE



Group 8 CRANKSHAFT



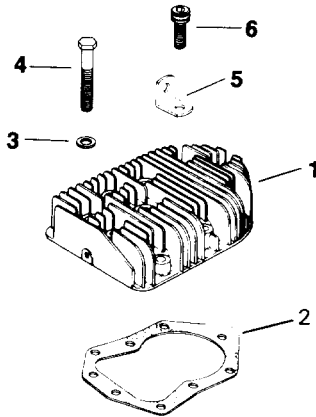
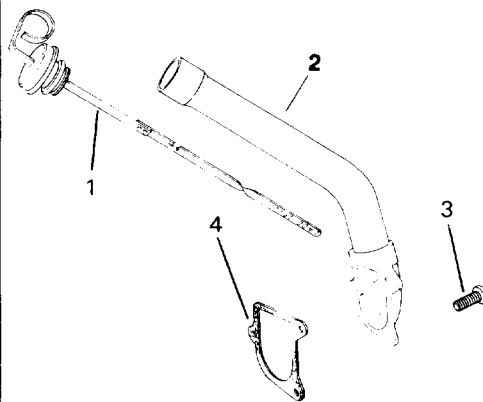
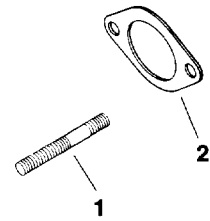
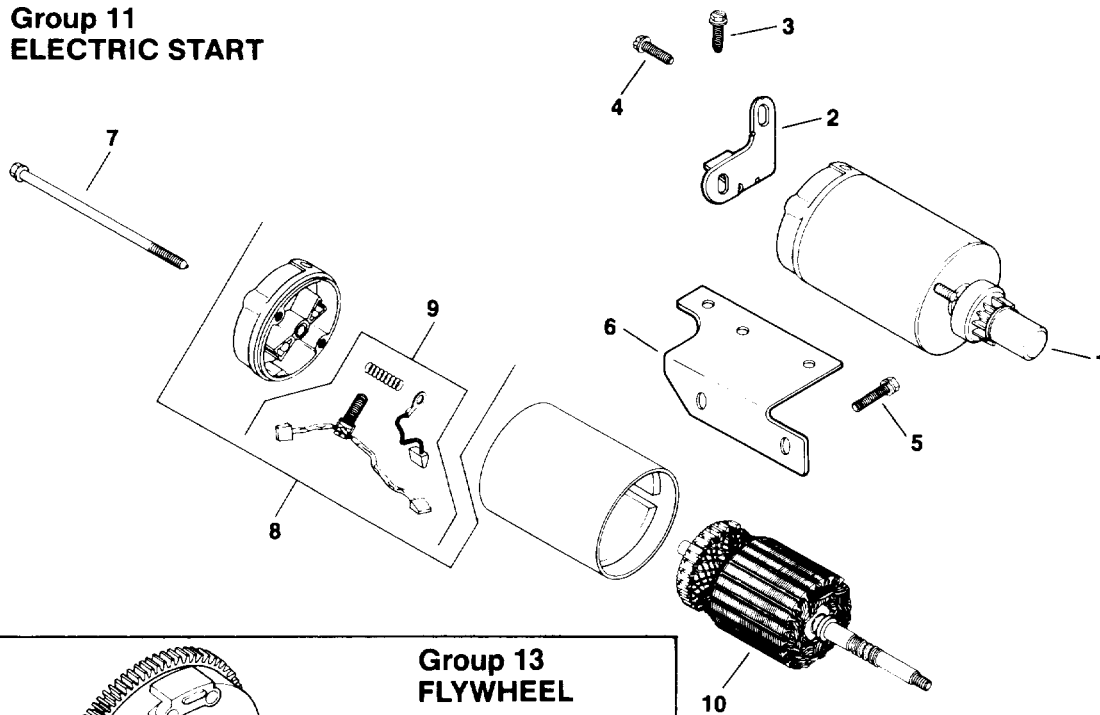
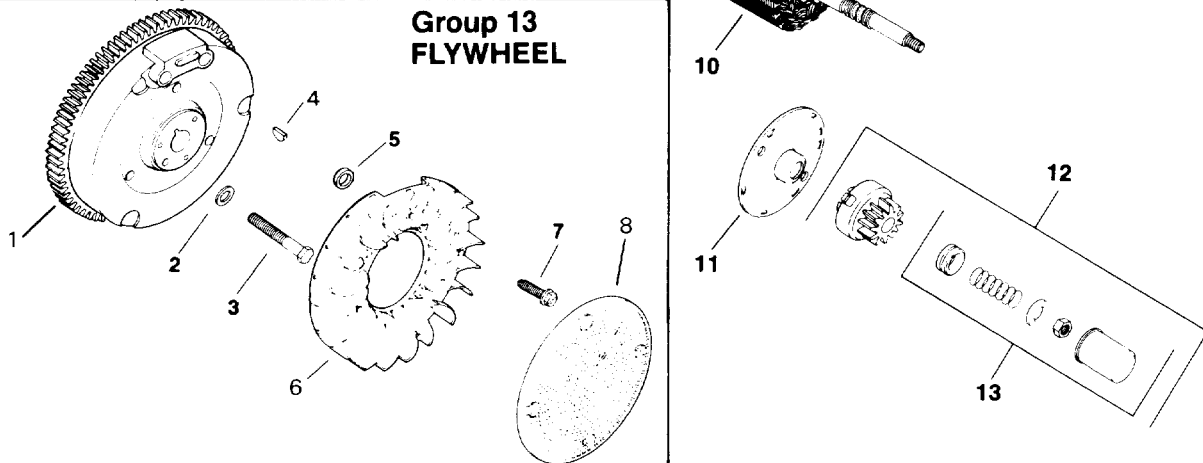
ENGINE ASSY. – KOHLER MODEL NO. M16S-711533

Ref. No.	Part No.	Description	No. Used
		Carburetor	
1	4515501	Connector – Hose	1
2	X-770-1	Screw – Slt'd. Hd. Built with the following:	2
3	4585307	Kit – Carburetor w/Linkage	1
4	4504107	Gasket – Air Cleaner	1
†5	4505378	Assembly – Carburetor	1
6	4704901	Gasket – Carburetor	1
7	2508627	Screw – Throttle & Choke Plate	4
8	4514607	Plate – Choke	1
9	2519401	Ball – Choke Friction	1
10	2508903	Spring – Choke Friction	1
11	4714425	Shaft – Throttle w/Lever & Seal	1
12	4714610	Plate – Throttle	1
13	2508902	Spring – Idle, Fuel	1
14	2536801	Needle – Idle, Fuel Adjust.	1
15	2508904	Spring – Idle, Speed	1
16	2508626	Screw – Idle Speed Adjust.	1
17	4709038	Lever Assembly, Choke	1
18	4533701	Jet – Main	1
19	2504104	Gasket – Bowl	1
20	2575709	Kit – Float	1
21	2510401	Bowl – Fuel	1
22	2504103	Gasket – Bowl Ret. Screw	1
23	2510005	Screw – Bowl Retainer	1
24	2515505	Connector – Hose	1
*	2575711	Kit – Carburetor Repair	1
*	4575514	Kit – High Altitude Jet or built with the following:	1
25	4585313	Kit – Carburetor	1
4	4504107	Gasket – Air Cleaner	1
6	4704901	Gasket – Carburetor	1
†26	4505384	Carburetor Assembly	1
7	2508627	Screw – Throttle & Choke Plate	4
8	4514607	Plate – Choke	1
9	2519401	Ball – Choke Friction	1
10	2508903	Spring – Choke Friction	1
11	4714425	Shaft – Throttle w/Lever & Seal	1
12	4714610	Plate – Throttle	1
13	2508902	Spring – Idle, Fuel	1
14	2536801	Needle – Idle, Fuel Adjust.	1
15	2508904	Spring – Idle, Speed	1
16	2508626	Screw – Idle Speed Adjust.	1
17	4709038	Lever Assembly, Choke	1
19	2504104	Gasket – Bowl	1
20	2575709	Kit – Float	1
21	2510401	Bowl – Fuel	1
22	2504103	Gasket – Bowl Ret. Screw	1
23	2510005	Screw – Bowl Retainer	1
24	2515505	Connector – Hose	1
27	2536803	Needle – Main, Fuel	1
28	2508902	Spring – Main, Fuel	1
*	2575711	Kit – Carburetor Repair	1

Ref. No.	Part No.	Description	No. Used
		Crankcase	
1	4578228	Cylinder Block Assembly (USE: Miniblock) (Incl. Ref. #12, 17 & 18)	1
2	236559	Shaft – Balance Gear Stub	2
3	4742205	Gasket – Shim	A/R
4	4704109	Gasket – Bearing Plate	1
5	235376	Bearing – Ball	2
6	4714611	Plate – Bearing	1
7	4703206	Seal – Front, Oil	1
8	X-159-2	Screw – H.C.	4
9	X-132-6	Screw – H.C.	4
10	235026	Cover – Camshaft	1
11	235025	Gasket – Camshaft, Cover	1
12	234866	Bearing – Cross Shaft	1
13	235125-S	Shaft – Governor	1
14	X-230-11	Plug – Expansion	1
15	4703207	Seal – Rear, Oil	1
16	4713901	Plug – Cup	2
17	230265	Insert – Valve	2
18	235007-S	Guide – Valve	2
		Crankshaft	
1	4514236	Kit – Crankshaft	1
2	4504303	Gear Assembly (Incl. Ref. #3)	2
3	4703001	Bearing – Needle	2
4	4775501	Kit – Spacer	1
5	X-269-34	Retainer	2

*Not Illustrated

†For information only. Not available separately.

ENGINE ASSY. – KOHLER MODEL NO. M16S-711533**Group 9 CYLINDER HEAD****Group 10 DIPSTICK****Group 12 EXHAUST****Group 11 ELECTRIC START****Group 13 FLYWHEEL**

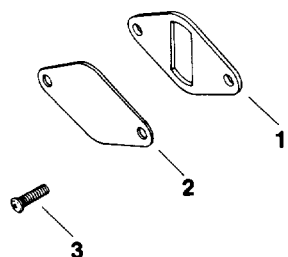
ENGINE ASSY. – KOHLER MODEL NO. M16S-711533

Ref. No.	Part No.	Description	No. Used
		Cylinder Head	
1	4501509	Head – Cylinder	1
2	4504117	Gasket – Head	1
3	270889	Washer – Plain	10
4	270158	Screw – H.C.	9
5	4744502	Strap – Lifting	1
6	4708617	Screw – Hex Socket Hd.	1
		Dipstick	
1	4727203	Dipstick	1
2	4712314	Adapter – Oil Fill	1
3	X-131-2	Screw – F.H.	3
4	237064	Gasket – Adapter	1
*	4501483	Extension	1
		Electric Start	
1	4109804	Starter Assembly (Incl. Ref. #8-13)	1
2	4512617	Brace – Tail	1
3	X-67-83	Screw – Hex Wash. Hd.	1
4	X-67-62	Screw – Hex Wash. Hd.	1
5	X-159-2	Screw – H.C.	2
6	4712629	Bracket – Solenoid	1
7	4108619	Bolt – Thru	2
8	4122704	Commutator End Cap	1
9	5275515	Kit – Brush	1
10	4517002	Armature	1
11	4122703	Cap – Drive End	1
12	4775507	Kit – Drive	1
13	4775513	Kit – Drive Parts	1
*	2545003	Tag – Caution	1
*	5235701	Lubricant – Starter	1

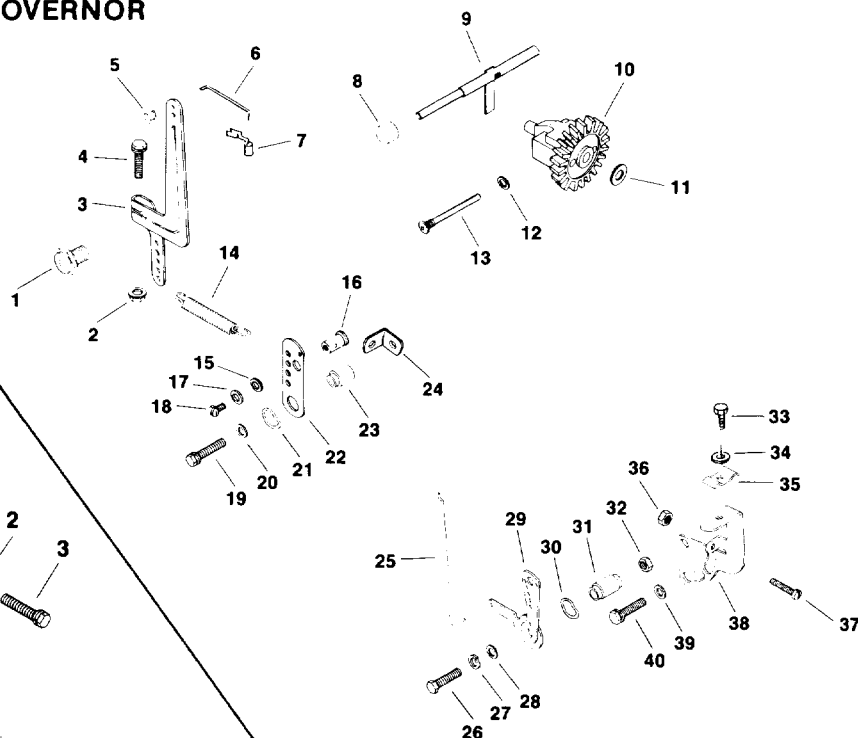
Ref. No.	Part No.	Description	No. Used
		Exhaust	
1	4107219	Stud	2
2	4504115	Gasket – Exhaust	1
		Flywheel	
1	4702553	Flywheel	1
2	5246815	Washer – Plain	1
3	2508624	Screw – Hex Mach.	1
4	X-46-3	Key – Woodruff	1
5	2511204	Spacer	4
6	2515701	Fan	1
7	2508621	Screw – Hex Wash. Hd.	4
8	2516201	Screen – Grass	1

ENGINE ASSY. – KOHLER MODEL NO. M16S-711533

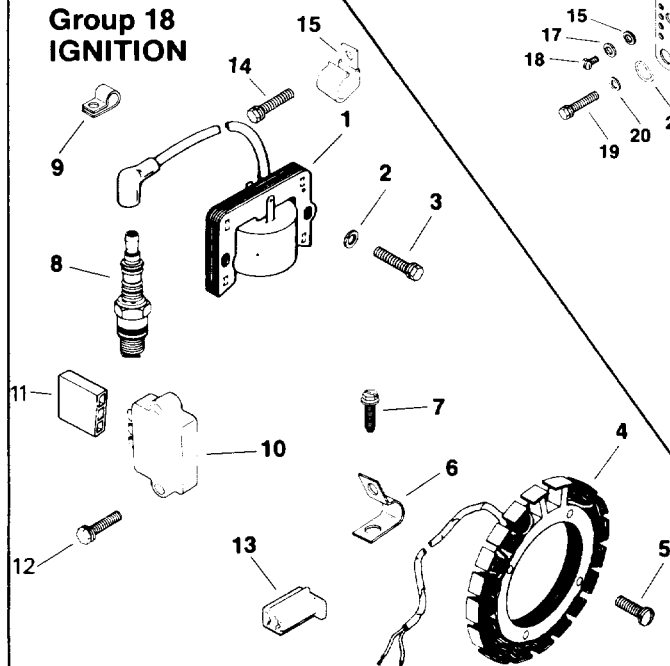
Group 14 FUEL PUMP



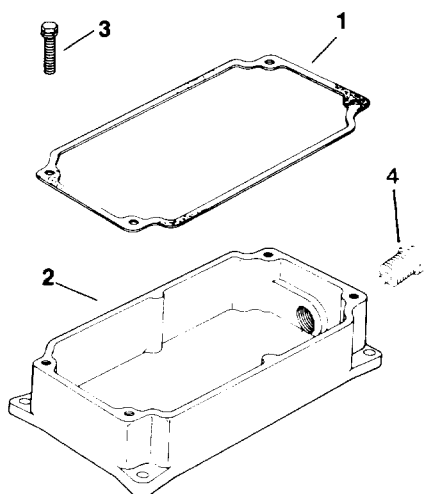
Group 17 GOVERNOR



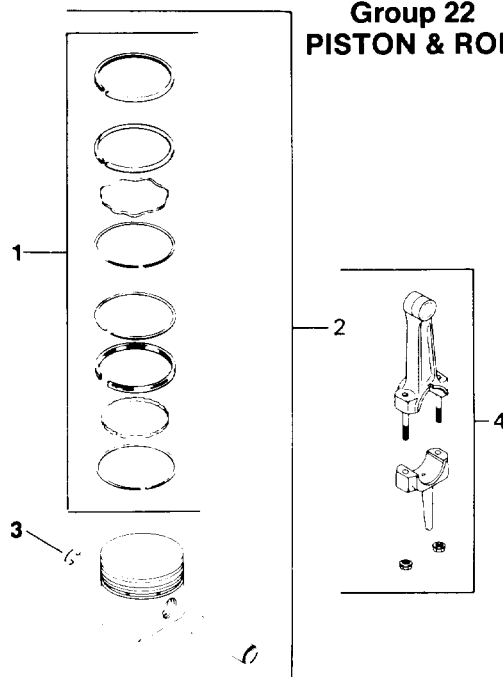
Group 18 IGNITION



Group 21 OIL PAN



Group 22 PISTON & ROD



ENGINE ASSY. – KOHLER MODEL NO. M16S-711533

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
		Fuel Pump				Ignition	
1	2504105	Gasket – Fuel Pump	1	1	4758402	Module Ignition	1
2	240282	Cover – Pump Pad	1	2	X-25-79	Washer – Plain	2
3	X-174-2	Screw – Pozidriv F.H.	2	3	X-156-1	Screw – H.C.	2
		Governor		4	237878	Kit – Stator (15 amp.)	1
1	235476	Bushing – Governor Shaft	1	5	X-67-51	Screw – Stator Mounting	4
2	X-799-1	Pin Nut	1	6	X-728-1	Clip – Lead	1
3	4709020	Lever – Governor	1	7	X-67-59	Screw – Hex Wash. Hd.	1
4	X-776-1	Screw – H.C.	1	8	235041-S	Spark Plug RH-10	1
5	4715807	Bushing – Natural Linkage	1	9	210281	Clip – Hi-Tension Lead	1
		Retaining	1	10	2575503	Kit, Rectifier – Regulator	1
6	4707910	Linkage Governor	1	11	236602	Connector – Female	1
		(Governor to Carburetor)	1			(3 Contact)	1
7	2515809	Bushing – Black Linkage	1	12	X-132-5	Screw – H.C.	2
		Retaining	1	13	4115503	Connector – Male	1
8	X-400-80	Spacer	1			(2 Contact)	1
9	A-235256-S	Kit – Governor Cross Shaft	1	14	X-321-6	Screw, Sems Hex.	1
10	A-235743-S	Kit – Governor Gear	1	15	235173	Clip, Cable	1
11	237022	Washer – Thrust	1			NOT ILLUSTRATED	
12	2546801	Washer – Plain	1		4751836	Lead – Violet	
13	231355	Pin – Governor Stop	1			Rect. – Reg. to Connector	
14	235496	Spring – Governor	1			23" 14 Gauge	
15	X-25-102	Washer – Plain	1			Uninsulated Push on Tab	1
16	4875510	Kit – Clamp	1			Lead White Module	
		(Incl. Ref. #17 & 18)	1			to Connector	
17	X-25-58	Washer	1		4751843	Lead – White, w/Diode	
18	X-102-3	Screw	1			(5" – 18 Gauge)	
19	X-132-9	Screw H.C.	1			Insulated Push on Tab –	
20	X-25-63	Washer – Plain	1			Insulink	
21	275690	Washer – Wave	1			Oil Pan	
22	236249	Bracket – Speed Control	1	1	235057	Gasket – Oil Pan	1
23	235085	Spacer	1	2	235147	Pan – Oil	1
24	235084	Bracket	1	3	X-159-3	Screw – H.C.	4
25	4707901	Linkage Choke	1	4	X-305-4	Plug – Hex Hd.	1
		(Carburetor to Lever)	1			Piston & Rod	
26	X-5-26	Screw – H.C.	1	1	4510810	Ring Set (Std. & .003)	1
27	X-20-1	Washer – Lock	1	1	4510811	Ring Set (.010)	1
28	X-25-63	Washer – Plain	1	1	4510812	Ring Set (.020)	1
29	4709006	Lever – Choke Control	1	1	4510813	Ring Set (.030)	1
30	275690	Washer – Wave	1	2	4587411	Piston w/Ring Set (Std.)	1
31	4711202	Spacer	1	2	4587412	Piston w/Ring Set (.003)	1
32	X-76-2	Nut – Hex	1	2	4587413	Piston w/Ring Set (.010)	1
33	X-67-51	Screw	1	2	4587414	Piston w/Ring Set (.020)	1
34	2546804	Washer	1	2	4587415	Piston w/Ring Set (.030)	1
35	4723702	Clamp – Swivel	1	3	4701801	Retainer Piston Pin	2
36	X-72-4	Nut – Hex	1	4	4506724	Connecting Rod (Std.)	1
37	232556	Screw	1	4	4506725	Connecting Rod (.010)	1
38	4712609	Bracket – Control	1				
39	X-25-72	Washer – Plain	1				
40	X-132-1	Screw – H.C.	1				

TORO PART NUMBER INDEX

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-0348	Bushing	5 27 6	27-2540	Spacer - Hub	7 30 1
3-0348	Bushing	1 31 10	27-2550	Pin - Hinge	7 31 1
3-0348	Bushing	7 35 6	27-2830	Decal - Parking Brake	2 81 1
3-1506	Bushing	2 60 12	27-3040	Hose - Pump	13 46 2
3-4808	Nut - Wing	26 1 1	27-3040	Hose - Pump/Inlet	24 10 2
3-6657	Clip - Skid	26 4 2	27-3070	Wire - Battery to Engine	22 44 1
3-6685	Spring	20 47 1	27-6600	Spacer - Rubber	22 28 4
3-8516	Anchor - Cable	20 22 1	27-7980	Front Reservoir Strap Assy.	13 30 1
5-0698	Key	20 18 1	28-2120	Wire - Battery to Ground	22 43 1
5-0946	Key - Square	23 1 1	28-3680	Tire	5 2 2
5-1226	Washer	7 28 A/R	28-3680	Tire	20 42 1
5-1226	Washer - Shim	3 89 2	28-4210	Solenoid	20 53 1
5-2653	Pulley Assembly	10 13 4	28-8080	Boot Terminal	21 69 1
5-3934	Bolt	20 34 1	29-9080	Handle	25 3 1
8-7710	Ball Joint Receiver Assy.	2 56 6	29-9090	Hose - Handle	25 4 1
10-6060	Pin - Ram Pivot	1 23 2	36-4310	Brush	25 5 1
10-6090	Pin - Pivot	5 40 1	36-7250	Grass Basket	8 58 3
10-6090	Pin - Pivot	8 56 1	38-0410	Nut - Hex.	17 53 1
10-6090	Pin - Pivot	2 62 2	38-0410	Nut - Hex.	19 59 1
10-6110	Pin - Hinge	1 28 2	42-2680	Race R. Detent	16 46 1
10-6821	Drum Assy.	5 51 1	43-5220	Ring - Retaining	9 13 1
10-6830	Drive Stud	20 39 4	43-5230	Shaft with Clevis	9 14 1
10-6870	Hub - Wheel	5 5 2	43-5260	Barrel w/Clevis & Ports	9 3 1
10-7070	Key - Engine	22 2 1	43-8600	Spring - Compression	21 61 1
10-7130	Wire - Solenoid to Starter	22 42 1	43-8610	Guide - Spring & Ball Seat	21 62 1
10-7240	Sleeve - Steering Pulley	10 42 1	43-8620	Guide - Switch Pin	21 59 1
10-7370	Tube Cap	10 5 1	43-8860	Plunger - Switch	21 60 1
10-7820	Hinge - Pivot	5 29 1	43-8870	Boot - Switch	20 56 1
10-7820	Hinge - Pivot	1 30 1	43-9071	Switch Assembly	21 * 1
10-7820	Pivot Hinge	7 38 1	44-0870	Camshaft - Rear	7 16 1
10-7850	Latch - Parking Brake	2 76 1	44-2230	Coupling - Rubber	22 27 1
10-7880	Hinge - Upper, Park Brake	2 77 1	44-2500	Hydraulic Oil Dye	14 * 1
10-7890	Hinge - Lower, Park Brake	2 74 1	44-5560	Filter Head - Hydraulic	13 48 1
10-7920	Washer	8 68 1	47-5320	Lever - Cutting Control	7 14 1
10-8100	Strap - Brake Shaft	2 37 2	49-5410	Box - Tool	5 23 1
10-8110	Washer - Thrust	5 26 6	49-5430	Rod - Control	5 19 1
10-8110	Washer - Thrust	2 51 18	49-5450	Plate - Cover	5 16 1
10-8110	Washer - Thrust	7 36 6	49-5460	Shield - Valve Cover L.H.	10 31 1
10-8120	Bolt - Battery	20 55 2	49-5470	Shield - Valve Cover R.H.	10 38 1
10-8140	Spring - Brake Latch	2 75 1	49-5840	Seat Support	10 20 1
10-8220	Pad - Tool Box	5 22 1	49-5880	Shaft - Seat Support	10 34 1
10-8240	Foot Pad - Lift	1 9 1	49-5900	Steering Wheel Assembly	10 1 1
10-8250	Foot Pad - Mow	1 6 1	49-5910	Arm Steering	10 10 1
11-0160	Roller Shaft Screw Assy.	2 70 6	49-5970	Bracket - Pulley	10 15 1
12-3270	Screw - Cap, Hex. Hd.	24 35 3	49-6110	Guard - Transfer Rod	3 88 1
12-3270	Screw - Pentaflto	7 10 1	49-6120	Pad - Footrest	1 15 1
12-3270	Screw - Thread Forming	10 32 2	49-6170	Foot Pad - Brake	1 4 1
12-7189	Engine	22 1 1	49-6200	Lever - Cutting Control	1 2 1
12-9140	Decal	25 1 1	49-6220	Bracket - Control Arm	7 17 1
18-1520	Fuel Filter	20 4 1	49-6250	Bracket - Traction Pivot	7 8 1
20-0070	Tube	26 5 1	49-6260	Tube - Traction Pivot	8 55 1
20-0080	Rod	26 7 1	49-6290	Shaft - Traction Pivot	7 9 1
20-0110	Bracket - Alignment	26 2 1	49-6320	Rod - Traction Control	7 7 1
21-8470	Shaft - Yoke Roller	2 61 3	49-6430	Pad - Pedal Reverse	7 6 1
22-6090	Washer - Thrust	25 4 1	49-6440	Pedal - Accelerator	7 2 1
23-0660	Key Switch	12 5 1	49-6470	Pad - Pedal Forward	7 3 1
23-8840	Puller - Bolt	25 3 1	51-0010	Decal - Traction	10 39 1
23-8850	Tube - Support	25 5 1	51-0050	Decal - Mow/Lift	1 10 1
23-8860	Pin - Bearing Rplcmnt.	25 6 1	51-0350	Pin - Seat Spring	20 46 1
23-8880	Driver - Bearing	25 1 2	51-0780	Seat Slider	10 23 1
26-3790	Nut - Lock	5 4 2	51-0790	Seat Adjuster	10 30 1
27-1930	Pump Mount	22 25 1	52-1990	Piston	4 4 1
27-1960	Coupling - Engine	22 31 1	52-2720	Roller Assembly	2 66 3
27-1970	Coupling - Pump	22 26 1	52-5860	Collar - Spool	19 51 1
27-2040	Hose	13 27 1	52-5880	Ball - Steel	16 47 12
27-2150	Mounting Pad - Engine	22 36 4	52-5900	Screw - Fillister Hd.	18 37 4
27-2270	Rod - Brake Adjustment	2 36 2	55-3570	Gas Cap	20 10 1
27-2320	Bearing - Flange	1 7 2	55-8480	Tank - Hydraulic	13 43 1
27-2320	Side Flange - Bearing	7 13 2	56-2230	Hose - Fuel Line	20 7 1
27-2380	Spacer - Filler Mount	13 20 1	56-2240	Hose - Gas Line (Short)	20 5 1
27-2400	Reservoir Strap Assembly	13 39 1	56-2520	Fitting - Fuel Shut-off	20 6 1
27-2420	Felt Strap - Angle	13 38 2	56-7970	Clamp - Tube	3 82 2
27-2420	Felt Strip	13 41 2	56-7980	Splash Shield	24 29 3

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56-7981	Splash Shield	24 3 1	68-9930	Control - Throttle	12 21 1
56-7986	Sleeve - Protective	24 39 1	68-9940	Decal - Control Panel	12 14 1
56-7987	Sleeve - Protective	24 40 1	69-9760	Plate - Cover	3 90 1
57-6140	Clamp - Tube Side	5 17 4	70-2770	Head	9 11 1
57-6220	Link Connector	14 56 5	70-2780	Piston	9 6 1
57-7650	Spring - Torsion	5 34 2	70-7130	Traction Line - Upper L.H.	24 19 1
57-7650	Spring - Torsion	2 47 1	70-7150	Traction Hose - Lower L.H.	24 5 1
57-7650	Spring - Torsion	7 49 1	70-8600	Traction Hose - Upper R.H.	24 4 1
58-6530	Decal - Oil	13 32 1	70-8610	Hose - Traction, Upper L.H.	24 33 1
59-9810	Module	12 13 1	70-9800	Reel Motor	14 51 3
61-9390	Drum - Steering	20 25 1	70-9840	Shoe & Lining Assembly	5 7 4
62-2110	Muffler Assembly	22 10 1	70-9850	Clip - Retainer	5 46 2
62-2130	Control - Choke	12 20 1	70-9860	Shaft - Cam	5 49 2
62-2160	Pulley - Front Steering	10 8 1	70-9870	Plate - Backing, Brake	5 48 2
62-2170	Washer - Thrust	20 31 1	70-9880	Spring	5 50 4
62-2180	Steering Cable	10 9 1	71-0990	Fitting - One Way Orifice	14 65 1
62-2190	Washer - Special	20 17 1	71-1500	Brake Assembly	5 * 2
62-2210	Tank Base	20 12 1	71-1510	Arm - Brake R.H.	5 28 1
62-2220	Caster Fork	20 32 1	71-1510	Lever - Brake	1 29 1
62-2270	Exhaust Pipe	22 7 1	71-3620	Decal - Engine	22 46 1
62-2300	Traction Pump Assembly	22 17 1	72-3850	Seal - Ring	13 50 1
62-2350	Wire Harness - Column	22 39 1	72-4320	Switch - Neutral	21 64 1
62-2390	Bar - Lift Arm L.H.	2 46 1	72-4380	Seal Kit	15 18 1
62-2420	Bar - Arm, Lift	5 35 1	72-4390	Repair Kit	15 19
62-2420	Bar - Lift Arm	8 50 1	72-4790	Hold Down - Battery	21 71 1
62-2440	Arm - Lift, R.H.	5 31 2	74-3570	Filter Element	13 49 1
62-2460	Lift Arm - L.H.	2 52 1	74-3580	Gas Tank	20 1 1
62-2470	Hose - Gas Line (Long)	20 2 1	74-3730	Spacer	1 22 2
62-2570	Breather Cap	13 33 1	74-3730	Spacer	20 35 2
62-2580	Spacer	5 * 2	74-3830	Hose - Pressure, Rear	24 1 1
62-2610	Screen Assembly	13 36 1	75-9190	Seat Assembly	10 * 1
62-2630	Wire Assembly	22 45 1	75-9380	Decal - Caution	10 3 1
62-2660	Pad - Foot Step	1 26 1	75-9440	Hub Assembly	20 40 1
62-2780	Spark Arrestor Muffler	22 * 1	75-9720	Cushion - Seat	10 24 1
62-5070	Decal - Danger	5 47 1	75-9810	Backrest	10 26 1
62-5070	Decal - Danger	8 51 1	75-9990	Motor - Hydraulic	5 44 2
62-5070	Decal - Danger	2 63 1	76-0800	Seal Kit	6 * 1
62-5550	Decal - Toro	10 33 2	76-0810	Housing Assembly	6 * 1
63-3810	Hose - Pressure R.H.	24 30 1	76-0840	Manifold	6 22 1
63-3820	Hose - Return R.H.	24 28 1	76-0850	Bearing - Thrust	6 12 1
63-3830	Hose - Return L.H.	24 24 1	76-0860	Shaft - Coupling	6 11 1
63-3840	Hose - Return, Rear	24 2 1	76-0870	Plate - Wear	6 18 1
63-3850	Hose - Cylinder - Drop L.H.	24 17 1	76-0880	Commutator Assembly	6 * 1
63-3870	Hose - Pressure L.H.	24 23 1	76-0940	End Cover Assembly	6 24 1
63-3880	Hose Cylinder	24 9 2	76-0960	Link - Drive	6 13 7
63-3890	Hose - Cylinder - Lift L.H.	24 18 1	76-0970	Rotor Set	6 * 1
63-3900	Hose - Pump #3	24 7 1	76-1010	Screw - Cap, Hex. Hd.	6 14 1
63-3910	Hose - Pump #2	24 13 1	76-1720	Gasket - Filler Cap	14 67 1
63-3920	Hose - Pump #1	24 14 1	76-1850	Clevis	4 14 1
63-3930	Hose Cylinder - Drop, Rear	24 6 1	76-1860	Shaft with Clevis	4 7 1
63-3940	Hose - Pump #4	24 12 1	77-0480	Screw - Accelerator Stop	8 60 1
63-3950	Hose - Cylinder - Drop L.H.	24 22 1	82-5570	Gasket - Exhaust	22 3 1
63-4020	Pressure Line	24 25 1	83-0060	Lift Pivot	2 64 1
63-4030	Pressure Line	24 27 1	83-0080	Spring - Lift Pivot	2 65 1
63-4040	Return Line - R.H.	24 26 1	83-0140	Foot Pedal	3 85 1
63-4050	Fitting Traction Upper	13 10 2	83-0160	Shaft - Brake	1 8 1
63-4060	Brazed Tube Assembly	13 8 1	83-0540	Rod - Accelerator	7 4 1
63-4080	Manifold Drain Orifice	13 2 1	83-0820	Ammeter Assembly	12 4 1
63-4090	90° Fitting - Extended	14 54 1	83-1200	Tube - Traction Lower L.H.	24 15 1
63-7400	Washer - Flat	22 37 4	83-1700	Bushing - Flange	7 27 3
63-8360	Key	12 8 1	83-1890	Switch - Ball	17 54 1
63-8750	Pin - Pivot	5 36 2	83-1890	Switch - Ball	19 60 1
63-8750	Pin - Pivot	2 48 1	83-2460	Hose - Traction Lower R.H.	24 16 1
63-8750	Pin - Pivot	7 48 1	83-2590	Bolt - Shoulder	3 91 1
65-4860	Head	4 10 1	83-7000	Hydraulic Cylinder Assy.	7 37 1
65-5871	Tube	10 43 1	84-2000	Bracket - Brake	5 11 2
65-5890	Cap	11 45 2	84-2202	Control Valve	14 57 1
66-2950	Hour Meter Assembly	12 2 1	84-2202	Control Valve Assembly	19 * 1
68-5100	Rod - Seat	11 49 1	84-8290	Cylinder - Hydraulic	1 16 2
68-5310	Clip Seat	11 51 1	85-6540	Stud - Drive Type	5 6 8
68-5880	Return Line - Man. to Filter	24 20 1	86-5360	Seal Repair Kit	9 15 1
68-5930	Handle - Traction	7 21 1	86-5390	Seal Repair Kit	4 * 1
68-9910	Panel - Control	12 12 1	86-9810	Pull Frame - L.H.	2 71 1

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86-9820	Pull Frame - Rear	8 57 1	2412-76	Muffler Clamp Assembly	22 11 1
88-6900	Plate - Footrest	8 67 1	2412-102	R-Clamp	10 44 2
88-9500	Needle Valve Assembly	14 * 1	2412-108	Clamp - Hose	20 3 4
88-9630	Lift Pivot Bracket - R.H.	3 87 1	251-141	Bearing - Ball	2 67 6
88-9640	Lift Pivot Bracket - L.H.	1 13 1	253-111	Seal	20 36 2
88-9660	Shaft - Cutting Control	1 11 1	254-78	Cone	20 37 2
88-9670	Lift Arm - Center	7 40 1	254-79	Cup	20 38 2
88-9680	Wire Harness - Traction	22 41 1	256-2	Bushing	10 14 4
88-9690	Wire Harness - Frame	22 40 1	256-2	Bushing	8 54 2
92-0585	Pull Arm Assembly - R.H.	2 69 3	256-113	Bushing	10 6 2
92-0586	Pull Arm Assembly - L.H.	2 59 3	256-155	Bushing	10 37 2
92-0587	Fitting - Hydraulic Valve	14 55 1	256-219	Bushing	8 65 2
92-0588	Bushing - Needle	13 17 1	256-251	Bushing	7 22 2
92-1192	Frame	7 19 1	256-290	Bushing	7 25 2
92-1194	Plate - Traction	8 63 1	281-1	Plug - Oil	13 45 1
92-1195	Decal - Service	11 53 1	282-2	Yoke	2 33 4
92-1199	Decal - Greensmaster 3000	2 78 1	282-2	Yoke	5 21 2
92-1677	Battery	21 65 1	283-1	Pin - Clevis	2 34 4
92-1699	Cap - Battery (Flush)	21 78 1	283-1	Pin - Clevis	5 42 2
92-1707	Cap - Battery (Poison)	21 74 1	283-8	Pin - Clevis	1 27 2
92-2546	Wiper - Seal	16 25 4	283-57	Pin - Clevis	7 18 1
92-2546	Wiper - Seal	19 64 5	302-2	Fitting - Grease	4 1 2
92-2547	Plate - Seal Retainer	18 18 6	302-2	Fitting - Grease	9 1 1
92-2547	Plate - Seal Retainer	16 24 4	302-5	Fitting - Grease	7 26 1
92-2548	Seal - Spool Set	17 * 1	302-5	Fitting - Grease	20 33 1
92-2548	Seal - Spool Set	19 * 1	302-5	Fitting - Grease	2 58 8
217-60	Rim	5 3 2	302-11	Fitting - Grease	7 41 1
217-60	Rim	20 41 1	302-60	Fitting - Grease	1 20 4
218-461	Nut - Hex	12 7 1	302-60	Fitting - Grease	5 30 1
218-461	Nut - Jam	21 57 2	302-60	Fitting - Grease	7 39 1
218-489	Fuse Holder	12 1 1	304-61	Clamp	14 60 1
231-124	Tire - Treaded	5 * 2	321-3	Screw - Cap, Hex Hd.	13 44 2
232-24	Valve Stem - With Cap	20 43 1	321-3	Screw - Cap, Hex Hd.	21 70 2
232-24	Valve Stem w/Cap	5 52 2	321-3	Screw - Cap, Hex Hd.	12 11 1
232-37	Inner Tube - Heavy Duty	5 * 2	321-3	Screw - Cap, Hex Hd.	24 36 1
233-48	Knob	7 20 1	321-3	Screw - Cap, Hex Hd.	11 52 1
233-50	Knob	12 9 2	321-5	Screw - Cap, Hex Hd.	5 8 8
237-7	O-Ring	21 58 1	321-9	Screw - Cap, Hex Hd.	3 86 1
237-21	O-Ring	13 9 7	321-18	Screw - Cap, Hex Hd.	10 2 1
237-21	O-Ring	1 19 1	322-1	Screw - Cap, Hex Hd.	7 34 2
237-22	O-Ring	13 7 A/R	322-1	Screw - Cap, Hex Hd.	1 25 6
237-22	O-Ring	22 24 2	322-1	Screw - Cap, Hex Hd.	5 38 1
237-30	O-Ring	13 5 A/R	322-2	Screw - Cap, Hex Hd.	13 23 2
237-30	O-Ring	22 18 1	322-3	Screw - Cap, Hex Hd.	20 15 1
237-30	O-Ring	21 63 1	322-3	Screw - Cap, Hex Hd.	11 46 2
237-42	O-Ring	13 11 A/R	322-4	Screw - Cap, Hex Hd.	13 22 2
237-42	O-Ring	22 22 3	322-4	Screw - Cap, Hex Hd.	12 18 1
237-54	O-Ring	18 3 6	322-5	Screw - Cap, Hex Hd.	7 11 2
237-54	O-Ring	16 6 8	322-5	Screw - Cap, Hex Hd.	20 20 1
237-58	O-Ring	13 3 A/R	322-6	Screw - Cap, Hex Hd.	22 30 4
237-65	O-Ring	5 14 4	322-14	Screw - Cap, Hex Hd.	14 63 3
237-65	O-Ring	14 66 4	323-6	Screw - Cap, Hex Hd.	20 14 2
237-78	O-Ring	9 2 2	323-6	Screw - Cap, Hex Hd.	10 19 2
237-78	O-Ring	1 17 4	323-8	Screw - Cap, Hex Hd.	22 16 2
237-79	O-Ring	13 6 8	323-10	Screw - Cap, Hex Hd.	1 14 4
237-79	O-Ring	22 20 1	323-15	Screw - Cap, Hex Hd.	22 34 1
237-80	O-Ring	5 12 4	323-20	Screw - Cap, Hex Hd.	22 35 3
237-80	O-Ring	13 13 2	324-6	Screw - Cap, Hex Hd.	22 14 4
237-81	O-Ring	13 1 1	325-3	Screw - Cap, Hex Hd.	10 17 4
237-100	Grommet	12 19 1	325-11	Screw - Cap, Hex Hd.	5 10 8
237-101	O-Ring	13 24 1	3211-1	Screw - Cap, Hex Hd.	7 42 2
237-136	Grommet	20 11 4	3217-5	Nut - Hex	20 29 2
237-148	Seal - Quad Ring	20 30 1	3217-6	Nut - Hex	22 9 2
237-149	O-Ring - Seal	20 26 1	3217-7	Nut - Hex	16 33 3
242-50	Nut - Wheel	5 1 8	3217-25	Nut	12 29 2
242-50	Nut - Wheel	20 44 4	3218-2	Nut - Jam	20 23 2
2410-18	Plug	25 2 1	3218-13	Nut - Jam	20 54 2
2411-32	Ball Joint	8 62 2	3219-2	Nut - Hex	26 6 1
2412-3	Clamp - Hose	24 21 2	3219-14	Nut	12 3 6
2412-3	Clamp - Hose	13 26 8	3219-14	Nut - Hex	20 49 2
2412-36	Clamp - Gas Line	21 77 2	3219-18	Nut - Hex	25 2 1
2412-41	Clip	12 16 1	3220-2	Nut	5 20 2

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3220-2	Nut - Hex. Jam	8 64 2	3290-379	Tie - Cable	24 8 6
3220-3	Nut - Hex. Jam	2 57 6	3296-4	Nut - Lock	20 19 2
3220-6	Nut - Jam	4 15 1	3296-4	Nut - Lock	8 61 2
3229-22	Bolt - Carriage	3 84 2	3296-16	Nut - Hex	2 72 3
3234-1	Screw - Flange, Hex. Hd.	7 12 4	3296-16	Nut - Lock	24 37 1
3234-1	Screw - Hex. Flange Hd.	1 5 4	3296-16	Nut - Lock	10 40 1
3234-4	Screw - Cap, Hex. Hd.	5 18 4	3296-16	Nut - Lock	11 50 1
3241-2	Screw - Set, Sq. Hd.	22 32 2	3296-16	Nut - Lock, Flange	5 41 3
3241-6	Screw - Set, Sq. Hd.	22 29 2	3296-16	Nut-Hex	13 40 4
3242-9	Screw - Set, Sq. Hd.	20 24 2	3296-23	Nut - Lock	5 25 8
3250-36	Screw - Phil. Hd.	20 13 4	3296-29	Nut - Lock	22 4 4
3253-3	Washer - Lock	13 42 2	3296-29	Nut - Lock	10 36 4
3253-3	Washer - Lock	19 57 4	3296-29	Nut - Lock	7 45 2
3253-3	Washer - Lock	2 73 2	3296-29	Nut - Lock	21 76 1
3253-3	Washer - Lock	2 80 1	3296-39	Nut - Lock	10 11 2
3253-4	Washer - Lock	22 8 2	3296-39	Nut - Lock	20 27 2
3253-4	Washer - Lock	20 16 4	3296-39	Nut - Lock	22 33 4
3253-4	Washer - Lock	13 19 3	3296-39	Nut - Lock	2 44 1
3253-4	Washer - Lock	1 24 6	3296-42	Nut - Lock	5 9 8
3253-4	Washer - Lock	7 33 2	3296-50	Nut - Lock	20 45 1
3253-4	Washer - Lock	5 39 1	3296-59	Nut - Hex.	2 41 8
3253-4	Washer - Lock	11 47 2	3296-59	Nut - Lock	7 46 4
3253-6	Washer - Lock	22 13 4	32103-12	Nut - Wing	21 73 2
3253-21	Washer - Lock	22 15 2	32104-76	Screw - Tapping, Acorn Hd.	10 4 15
3253-21	Washer - Lock	10 18 2	32105-8	Screw - Machine, Rd. Hd.	12 22 4
3253-21	Washer - Lock	2 40 8	32108-100	Screw - Mach. Phillips Hd.	5 15 3
3253-23	Washer - Flat	12 17 1	32120-8	Ring - Retaining Internal	4 11 1
3254-1	Washer - Lock	20 50 2	32121-6	Pin - Roll	1 1 1
3254-2	Washer - Lock, Int. Tooth	14 64 1	32121-6	Pin - Roll	7 15 1
3254-5	Washer - Lock	12 6 1	32121-34	Pin - Roll	10 7 1
3254-6	Washer - Lock	7 43 2	32121-35	Pin - Roll	1 12 8
3254-6	Washer - Lock	22 47 1	32121-45	Pin - Roll	1 3 3
3255-7	Washer - Lock, Int. Tooth	12 30 1	32121-45	Pin-Roll	7 1 2
3255-8	Washer - Lock, Int. Tooth	26 9 1	32121-45	Pin-Roll	7 5 1
3255-20	Washer - Lock ETLW	12 28 2	32121-45	Pin-Roll	10 35 1
3256-3	Washer - Flat	7 44 2	32122-35	Screw - Truss Head	26 8 1
3256-4	Washer - Flat	10 12 4	32128-20	Nut - Hex	13 18 3
3256-21	Washer - Flat	12 25 2	32128-20	Nut - Hex	8 59 1
3256-22	Washer - Flat	13 29 2	32128-20	Nut - Lock	12 10 1
3256-22	Washer - Flat	24 38 1	32128-20	Nut - Lock, Flange	26 3 1
3256-22	Washer - Flat	20 52 2	32141-111	Nut - Hex Hd. Flange	3 83 1
3256-22	Washer - Flat	21 72 2	32144-1	Screw - Thread Forming	22 38 8
3256-23	Washer - Flat	22 12 6	32144-14	Screw - Cap, Hex. Hd.	8 66 1
3256-23	Washer - Flat	13 21 5	32144-34	Screw	13 35 6
3256-23	Washer - Flat	10 22 6	32149-2	Nut - Lock	20 51 2
3256-23	Washer - Flat	7 32 1	32149-2	Nut - Lock, Keps	12 15 1
3256-23	Washer - Flat	21 75 1	32149-7	Nut - Lock	12 23 1
3256-24	Washer - Flat	2 39 15	32151-41	Ring - Retaining	15 9 1
3256-24	Washer - Flat	7 47 4	32152-10	Nut	9 4 1
3256-26	Washer - Flat	10 16 4	32152-10	Nut-Lock	4 3 1
3256-26	Washer - Flat	5 33 3	3333-975	Cable Tie	24 31 1
3256-26	Washer - Flat	2 43 1	340-6	Fitting - Straight	22 19 1
3256-26	Washer - Flat	8 52 1	340-14	Fitting	5 13 4
3257-42	Key - Woodruff	6 17 1	340-16	90° Fitting	13 4 1
3257-42	Key - Woodruff	5 45 2	340-18	90° Elbow	13 12 1
3272-4	Pin - Cotter	7 23 1	340-77	90° Elbow	14 52 3
3272-6	Pin - Cotter	2 32 4	340-77	90° Fitting	22 21 1
3272-6	Pin - Cotter	5 43 2	340-87	45° Fitting	22 23 2
3272-11	Pin - Cotter	1 21 3	340-87	45° Fitting	14 58 2
3272-11	Pin - Cotter	5 32 2	340-92	Fitting - Orifice Str.	24 32 1
3272-11	Pin - Cotter	11 48 1	340-92	Fitting - Straight	1 18 1
3272-11	Pin - Cotter	8 53 1	340-98	90° Elbow	14 59 2
3272-12	Pin - Cotter	2 45 1	340-101	45° Fitting	13 16 3
3274-12	Screw - Hex Socket Hd.	10 21 4	340-103	45° Elbow Adjustable	24 11 1
3274-15	Screw - Fillister Hd.	16 43 2	351-78	Edging	10 29 2
3274-52	Screw - Hex, Socket Hd.	16 20 4	351-79	Clip	10 27 6
3274-52	Screw - Hex. Socket Hd.	18 45 6	351-80	Clip Joint	10 28 1
3274-54	Screw - Set, Socket Hd.	13 28 2	351-81	Shell	10 25 1
3274-70	Screw - Hex, Socket Hd.	16 1 2	353-301	Poppet	16 27 1
3274-84	Screw - Cap, Hex. Hd.	19 58 4	353-302	O-Ring	18 7 3
3284-3	Pin Groove	20 48 1	353-302	O-Ring	16 10 3
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353-304	Spring	16 28 1	353-766	Relief WH (2000) PSI Assy.	17 * 1
353-305	O-Ring	18 5 5	353-768	Section #1 Complete	17 * 1
353-305	O-Ring	16 8 4	353-770	Section #3 Assembly	19 * 1
353-306	Ring - Backup	18 4 5	353-772	Left End Cover	16 34 1
353-306	Ring - Backup	16 7 4	353-777	Body - Motor	15 12 1
353-328	Washer - Shim	16 15 A/R	353-780	Bonnet - R. Detent	16 42 1
353-328	Washer - Shim	18 32 A/R	353-780	Positioner - R. Detent (Out)	17 * 54 1
353-329	Washer - Shim	16 16 A/R	353-780	Spud - Detent Out	17 50 1
353-329	Washer - Shim	18 33 A/R	353-808	Collar - Spring	18 24 1
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PRODUCT CHANGES

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

IDENTIFICATION AND ORDERING

MODEL AND NUMBERS

The Greensmaster 3000 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 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.
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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MAINTENANCE RECORD

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