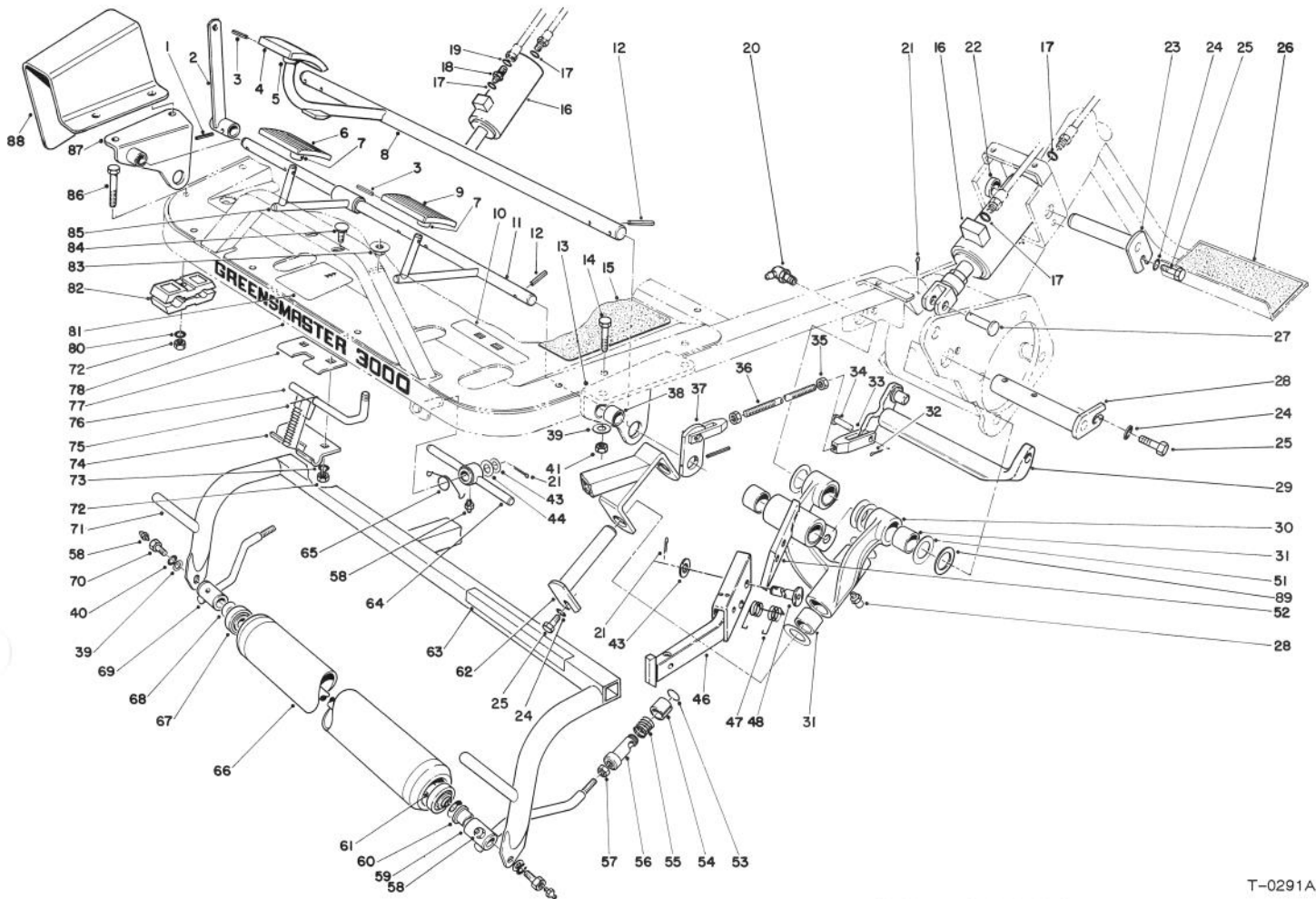




MODEL NO. 04350 - 11343 & UP

PARTS CATALOG

GREENSMASTER® 3000 **TRACTION UNIT WITH ACCESSORIES**



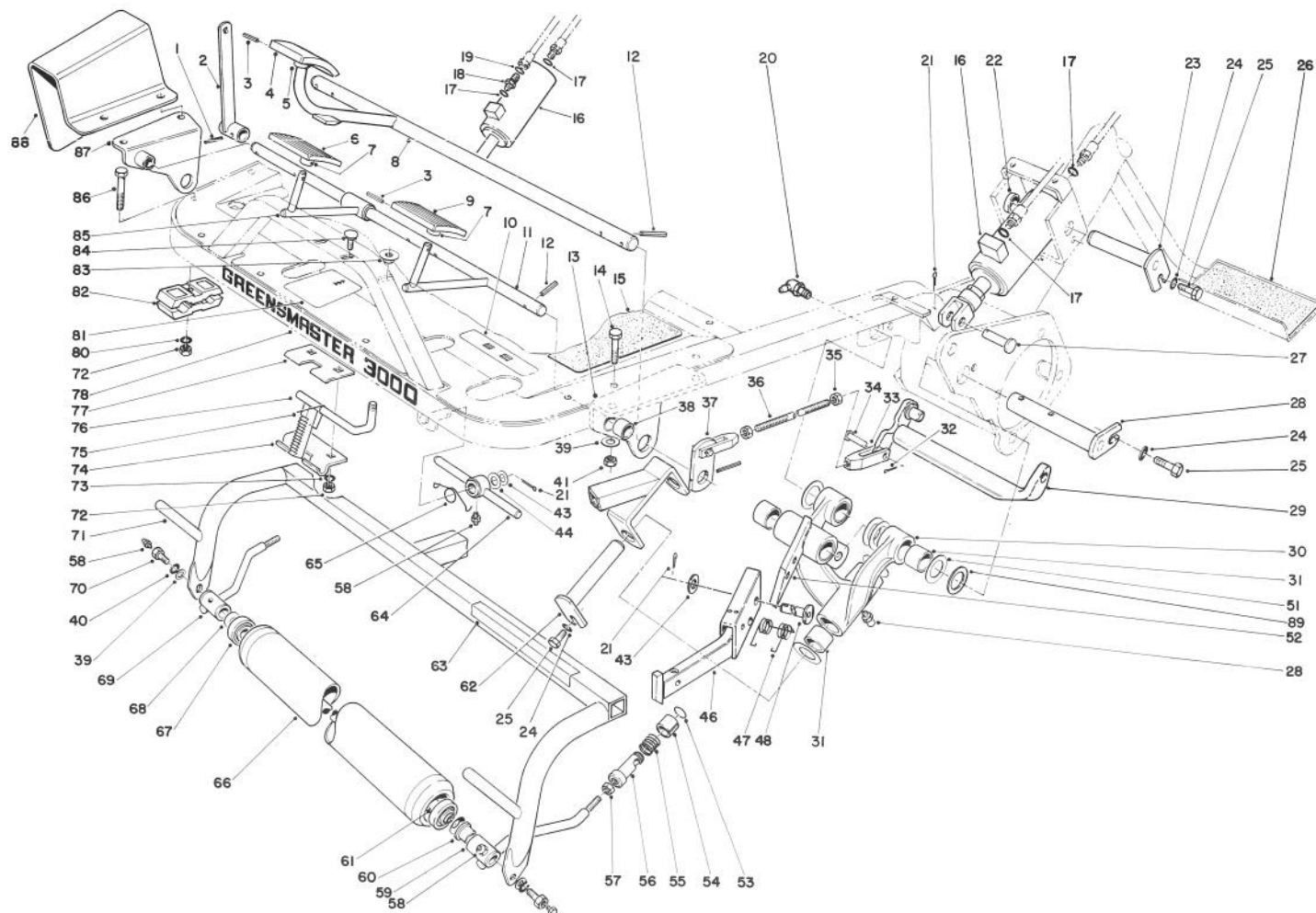
T-0291A

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	49-6150	Foot Pedal - Brake	1
6	10-8250	Foot Pad - Mow	1
7	10-6540	Foot Pedal	2
8	49-6130	Shaft - Brake	1
9	10-8240	Foot Pad - Lift	1
10	51-0050	Decal - Mow/Lift	1
11	49-6180	Shaft - Cutting Control	1
12	32121-35	Pin - Roll	8
13	49-6090	Lift Pivot Bracket - L.H. (Incl. Ref. #38)	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	4
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
32	3272-6	Pin - Cotter	4

TPS

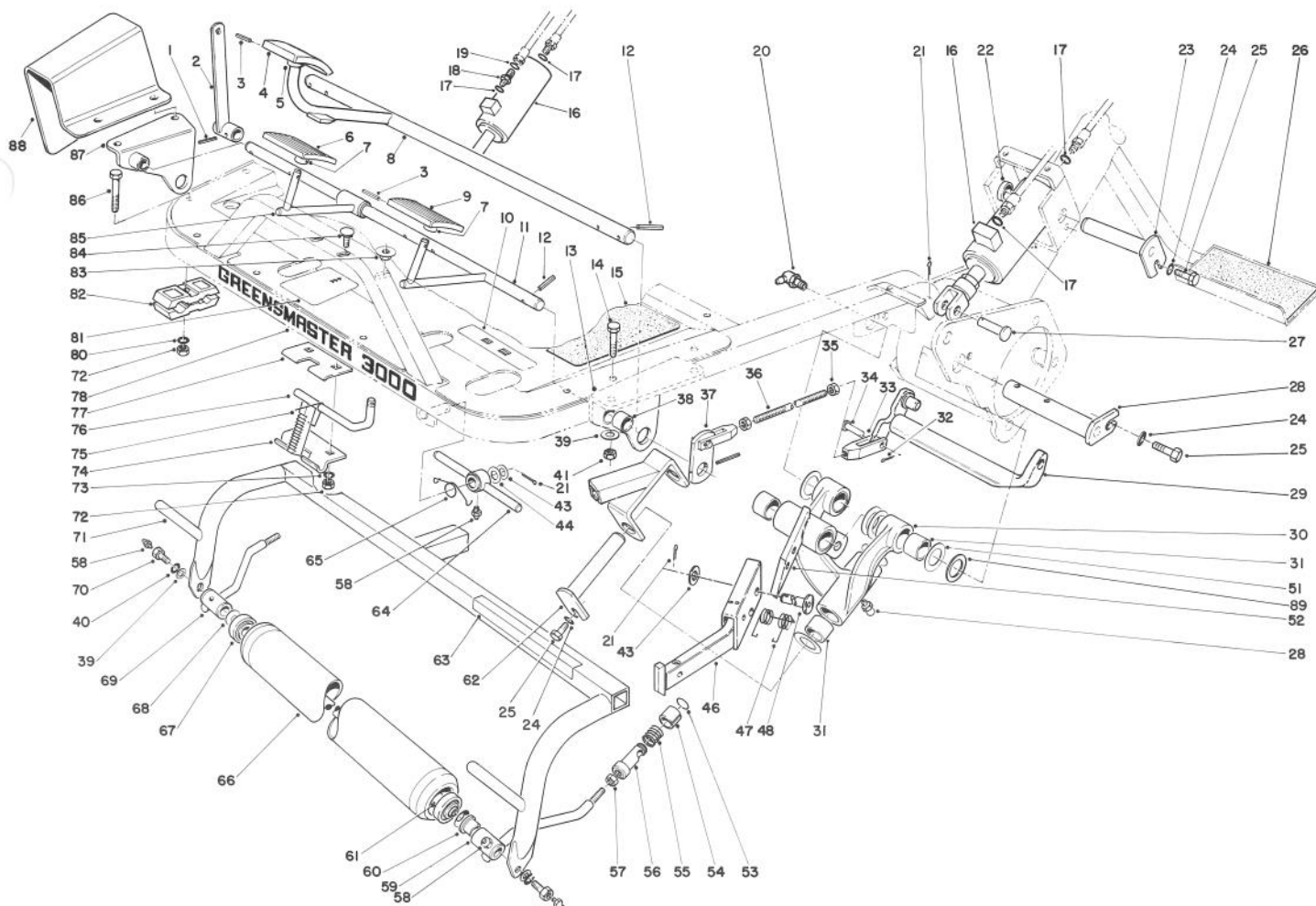


T-0291A

FOOT PEDALS AND ROLLER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
33	282-2	Yoke	4
34	283-1	Pin - Clevis	4
35	3220-2	Nut - Hex	4
36	27-2270	Rod - Brake Adjustment	2
37	10-8100	Strap - Brake Shaft	2
38	256-32	Bushing	2
39	3256-24	Washer - Flat	10
40	3253-21	Washer - Lock	8
41	3296-59	Nut - Hex, Jam	4
43	3256-26	Washer - Flat	2
44	3290-221	Washer - Spring	1
45	3272-12	Pin - Cotter	1
46	62-2390	Bar - Lift Arm L.H.	1
47	57-7650	Spring - Torsion	1
48	63-8750	Pin - Pivot	1
51	10-8110	Washer - Thrust	18
52	62-2460	Lift Arm - L.H. (Incl. Ref. #49)	1
53		Ring - Retaining	6
54		Sleeve	6
55		Spring	6
56	8-7710	Ball Joint Receiver Assy. (Incl. Ref. #53-55)	6
57	3220-3	Nut - Hex, Jam	6
58	302-5	Fitting - Grease	8

Ref. No.	Part No.	Description	No. Used
59	52-2740	Pull Arm Assembly - L.H. (Incl. Ref. #60)	3
60	3-1506	Bushing	12
61	21-8470	Shaft - Yoke Roller	3
62	10-6090	Pin - Pivot	2
63	62-5070	Decal - Danger	1
64	12-9050	Lift Pivot	1
65	10-9090	Spring - Lift Pivot	1
66	52-2720	Roller Assembly (Incl. Ref. #67)	3
67	251-141	Bearing - Ball	6
68	3290-317	Washer - Spring	6
69	52-2750	Pull Arm Assembly - R.H. (Incl. Ref. #60)	3
70	11-0160	Roller Shaft Screw Assy. (Incl. Ref. #58)	6
71	83-0090	Pull Frame - L.H.	1
72	3296-16	Nut - Hex	3
73	3253-3	Washer - Lock	2
74	10-7890	Hinge - Lower, Park Brake	1
75	10-8140	Spring - Brake Latch	1
76	10-7850	Latch - Parking Brake	1
77	10-7880	Hinge - Upper, Park Brake	1
78	74-3990	Decal - Greensmaster 3000	1
80	3256-22	Washer - Flat	1

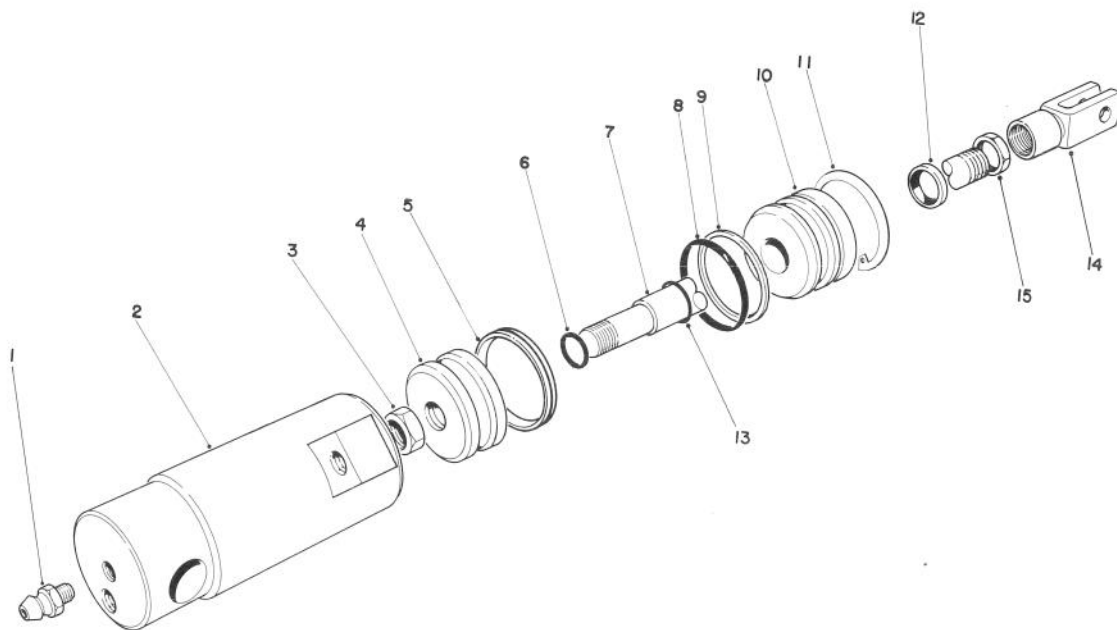


T-0291A

FOOT PEDALS AND ROLLER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
81	27-2830	Decal - Parking Brake	1
82	56-7970	Clamp - Tube	2
83	32141-111	Nut - Hex Hd. Flange	1
84	3229-22	Bolt - Carriage	2
85	10-6300	Foot Pedal	1

Ref. No.	Part No.	Description	No. Used
86	321-23	Screw - Cap, Hex Hd.	1
87	49-6070	Lift Pivot Bracket - R.H. (Incl. Ref. #38)	1
88	49-6110	Guard - Transfer Rod	1
89	5-1226	Washer - Shim	2



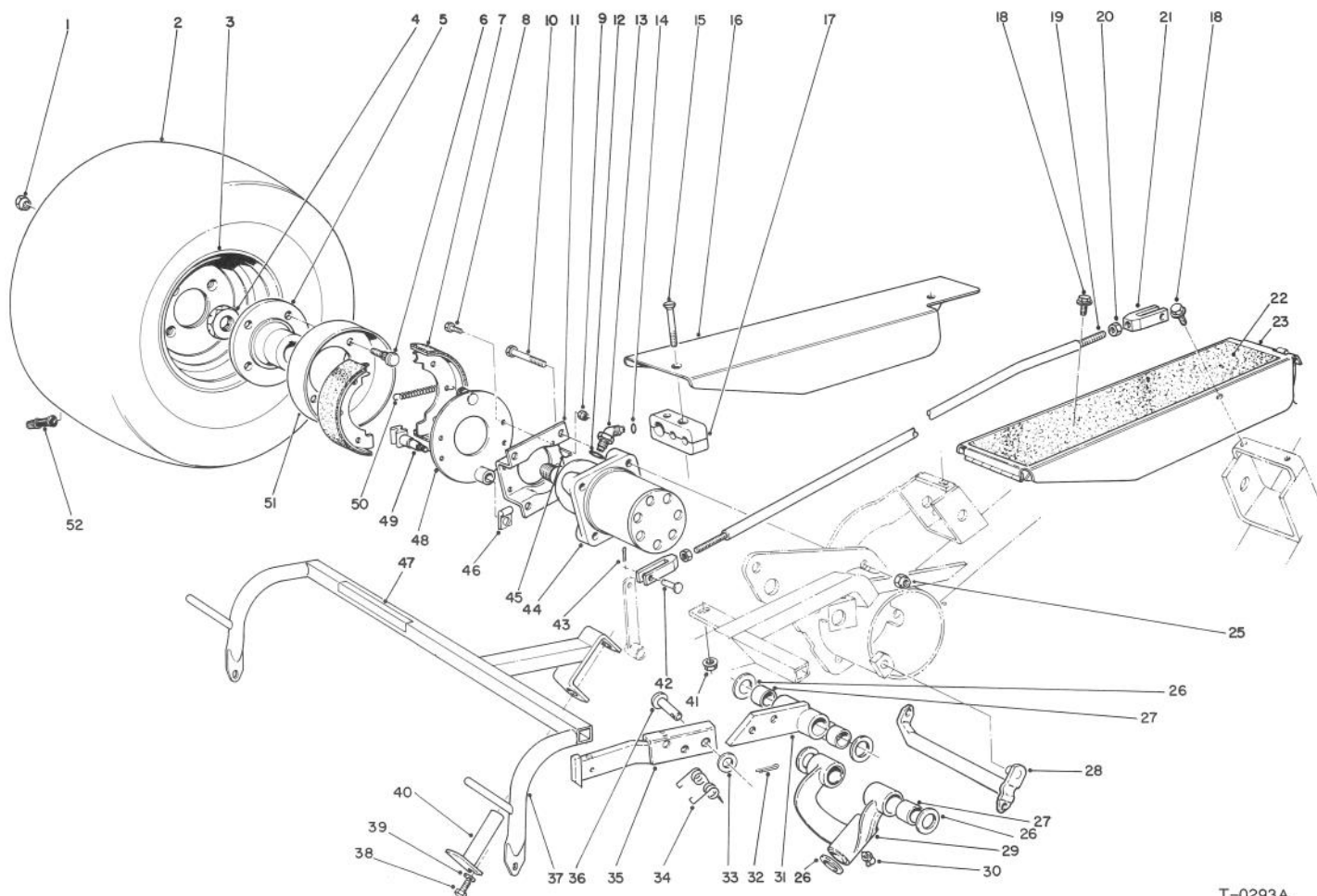
T-1373

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
*	83-7250	Seal Repair Kit (Incl. Ref.#5, 6, 8, 9 & 12-13)	1

*Not Illustrated



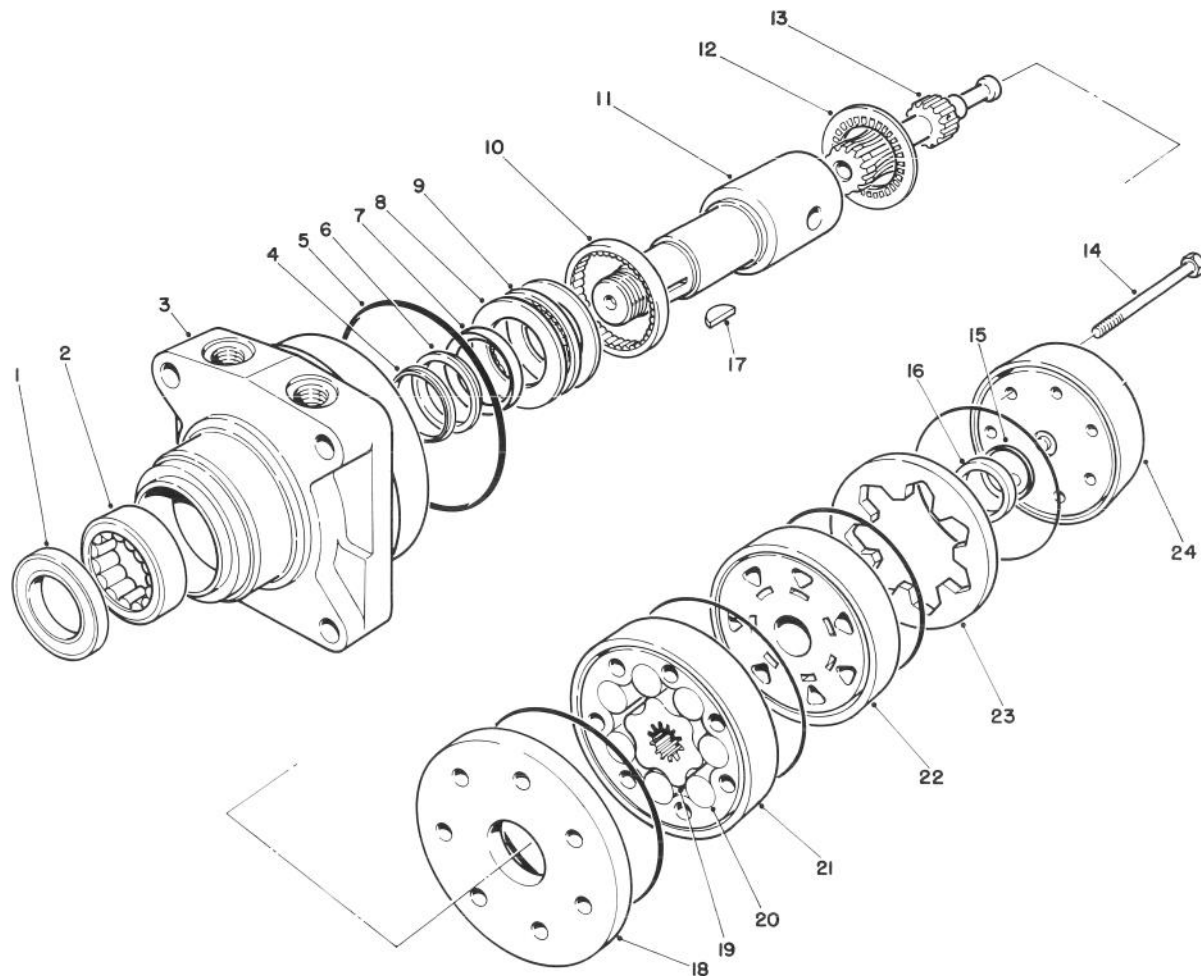
T-0293A

WHEEL AND BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	242-50	Nut - Wheel	8	28	71-1510	Arm - Brake R.H.	1
2	28-3680	Tire	2	29	10-7820	Hinge - Pivot (Incl. Ref. #27 & 30)	1
*	231-124	Tire - Treaded	2	30	302-60	Fitting - Grease	1
*	62-2580	Spacer	2	31	62-2440	Arm - Lift, R.H.	2
3	217-60	Rim	2	32	3272-11	Pin - Cotter	2
4	26-3790	Nut - Lock	2	33	3256-26	Washer - Flat	3
5	10-6870	Hub - Wheel	2	34	57-7650	Spring - Torsion	2
6	85-6540	Stud - Drive Type	8	35	62-2420	Bar - Arm, Lift	1
7	70-9840	Shoe & Lining Assembly	4	36	63-8750	Pin - Pivot	2
8	321-5	Screw - Cap, Hex. Hd.	8	37	83-0210	Frame - Pull, R.H.	1
9	3296-42	Nut - Lock	8	38	322-1	Screw - Cap, Hex. Hd.	1
10	325-11	Screw - Cap, Hex. Hd.	8	39	3253-4	Washer - Lock	1
11	84-2000	Bracket - Brake	2	40	10-6090	Pin - Pivot	1
12	237-80	O-Ring	4	41	3296-16	Nut - Lock, Flange	3
13	340-14	Fitting (Incl. Ref. #12 & 14)	4	42	283-1	Pin - Clevis	2
14	237-65	O-Ring	4	43	3272-6	Pin - Cotter	2
15	32108-100	Screw - Mach. Phillips Hd.	3	44	75-9990	Motor - Hydraulic	2
16	49-5450	Plate - Cover	1	45	3257-42	Key - Woodruff	2
17	57-6140	Clamp - Tube Side	4	46	70-9850	Clip - Retainer	2
18	3234-4	Screw - Cap, Hex. Hd.	4	47	62-5070	Decal - Danger	1
19	49-5430	Rod - Control	1	48	70-9870	Plate - Backing, Brake	2
20	3220-2	Nut	2	49	70-9860	Shaft - Cam	2
21	282-2	Yoke	2	50	70-9880	Spring	4
22	10-8220	Pad - Tool Box	1	51	10-6821	Drum Assy. (Incl. Ref.#5-6)	1
23	49-5410	Box - Tool	1	52	232-24	Valve Stem w/Cap	2
25	3296-23	Nut - Lock	8	*	71-1500	Brake Assembly (Incl. Ref. #7, 46, & 48-50)	2
26	10-8110	Washer - Thrust	6	*†	232-37	Inner Tube - Heavy Duty	2
27	3-0348	Bushing	6				

*Not Illustrated

†Service Replacement Part



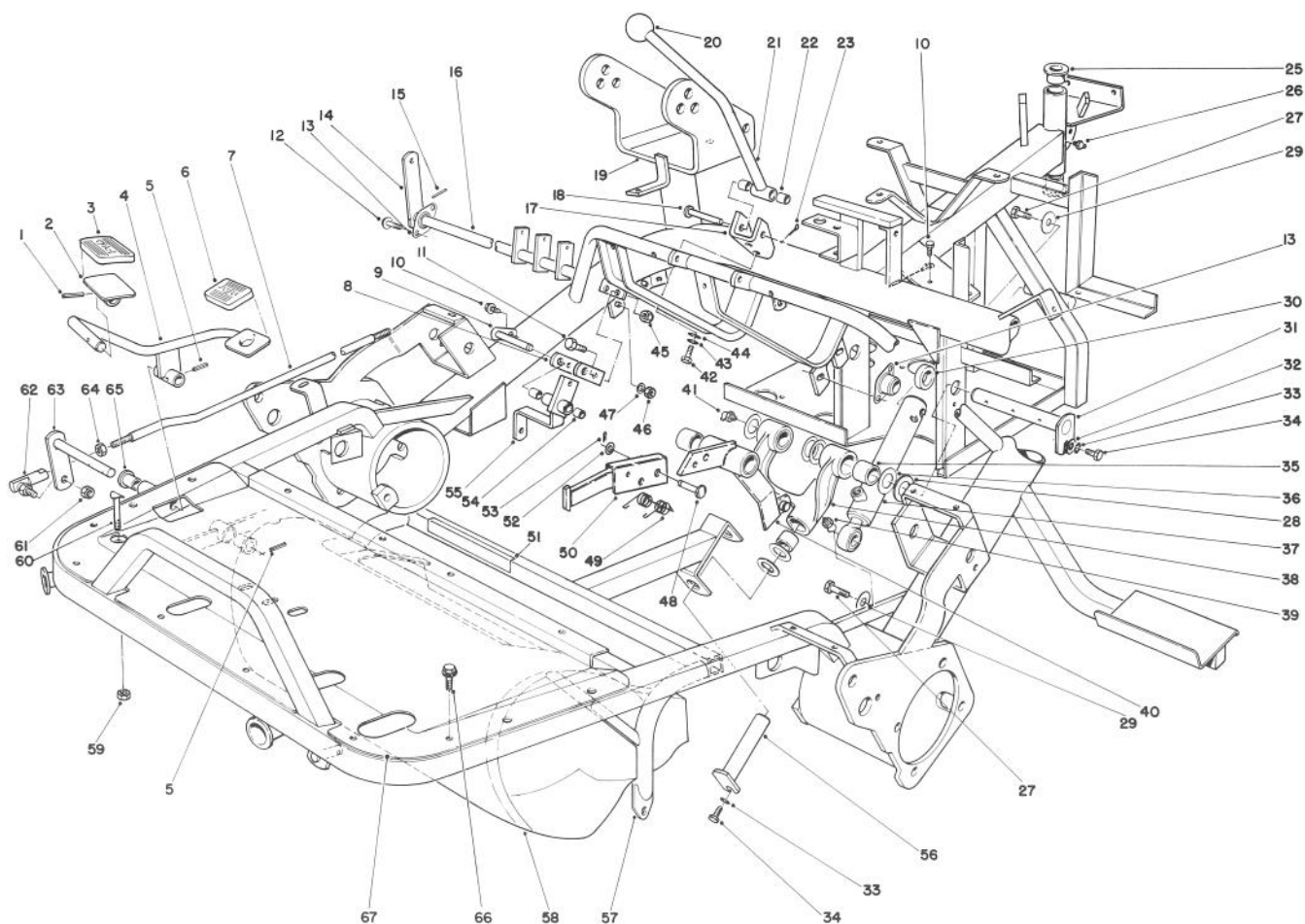
T-0987

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

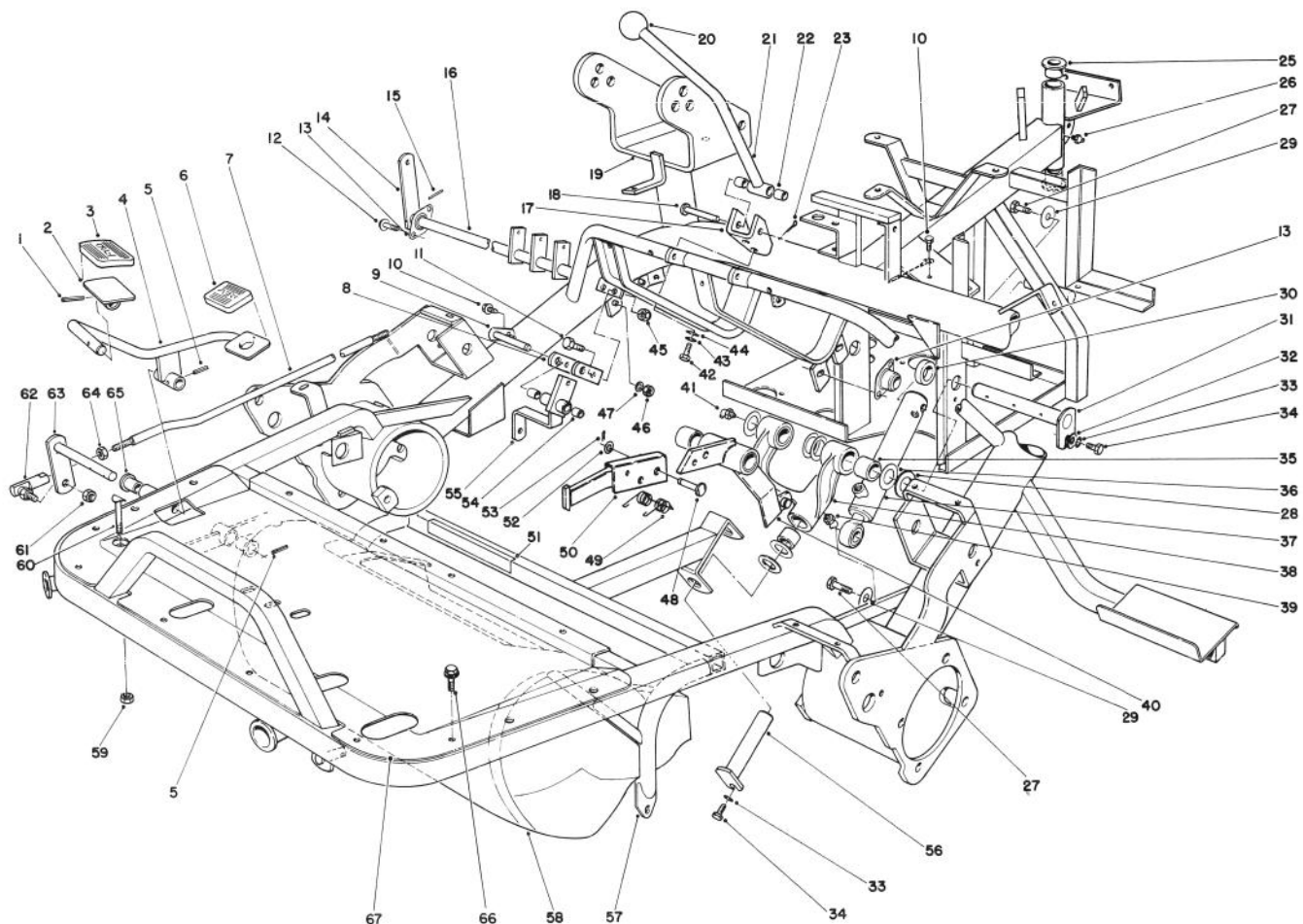


T-0295A

FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32121-45	Pin-Roll	1
2	49-6440	Pedal - Accelerator	1
3	49-6470	Pad - Pedal Forward	1
4	49-6380	Rod - Accelerator	1
5	32121-45	Pin-Roll	2
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 - Pentaflo	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	75-9700	Frame (Incl. Ref. #25 & 65)	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	256-290	Bushing	2

Ref. No.	Part No.	Description	No. Used
26	302-5	Fitting - Grease	1
27	3234-1	Screw - Cap, Hex Hd.	2
28	5-1226	Washer	A/R
29	10-7920	Washer - Flat	2
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 (Incl. Ref. #35)	1
39	302-60	Fitting - Grease	1
40	62-2450	Lift Arm - Center (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

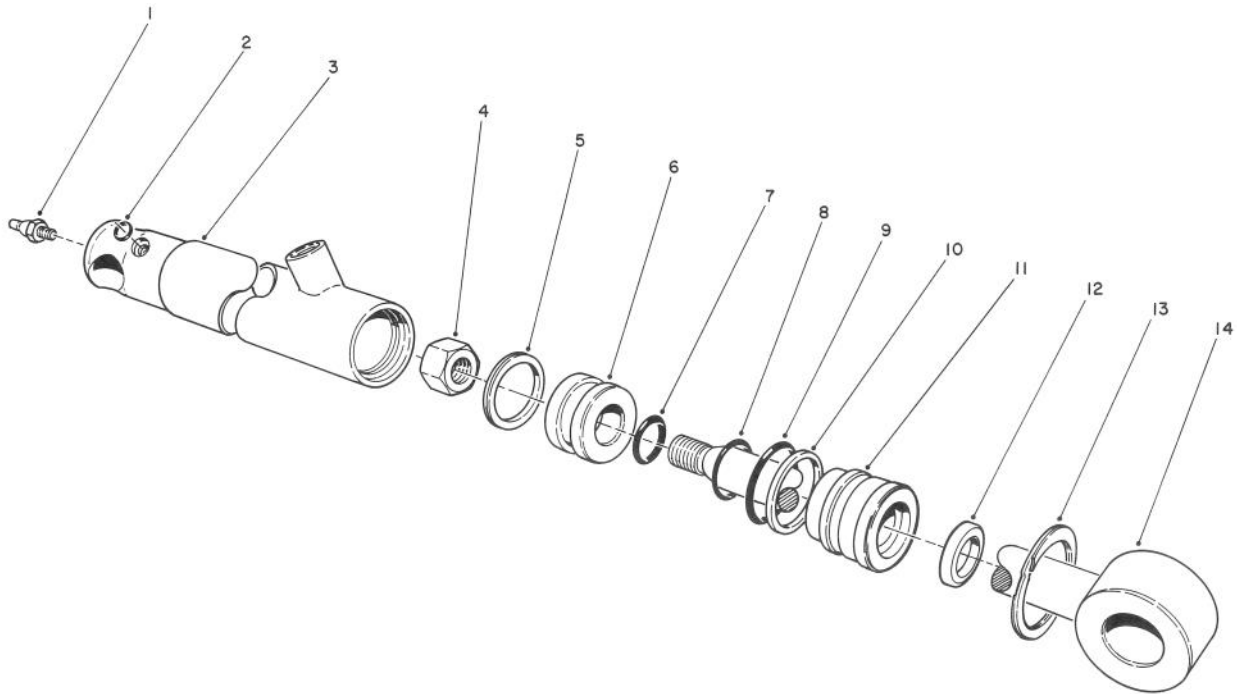


T-0295A

FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
50	62-2420	Bar - Lift Arm (R.H. & Center)	1
51	62-5070	Decal - Warning	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	83-0210	Pull Frame - Rear	1

Ref. No.	Part No.	Description	No. Used
58	36-7250	Grass Basket	3
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	49-6350	Shaft Traction	1
64	3220-2	Nut - Hex, Jam	2
65	256-155	Bushing	2
66	32144-14	Screw - Cap, Hex. Hd.	9
67	75-9490	Plate - Footrest	1

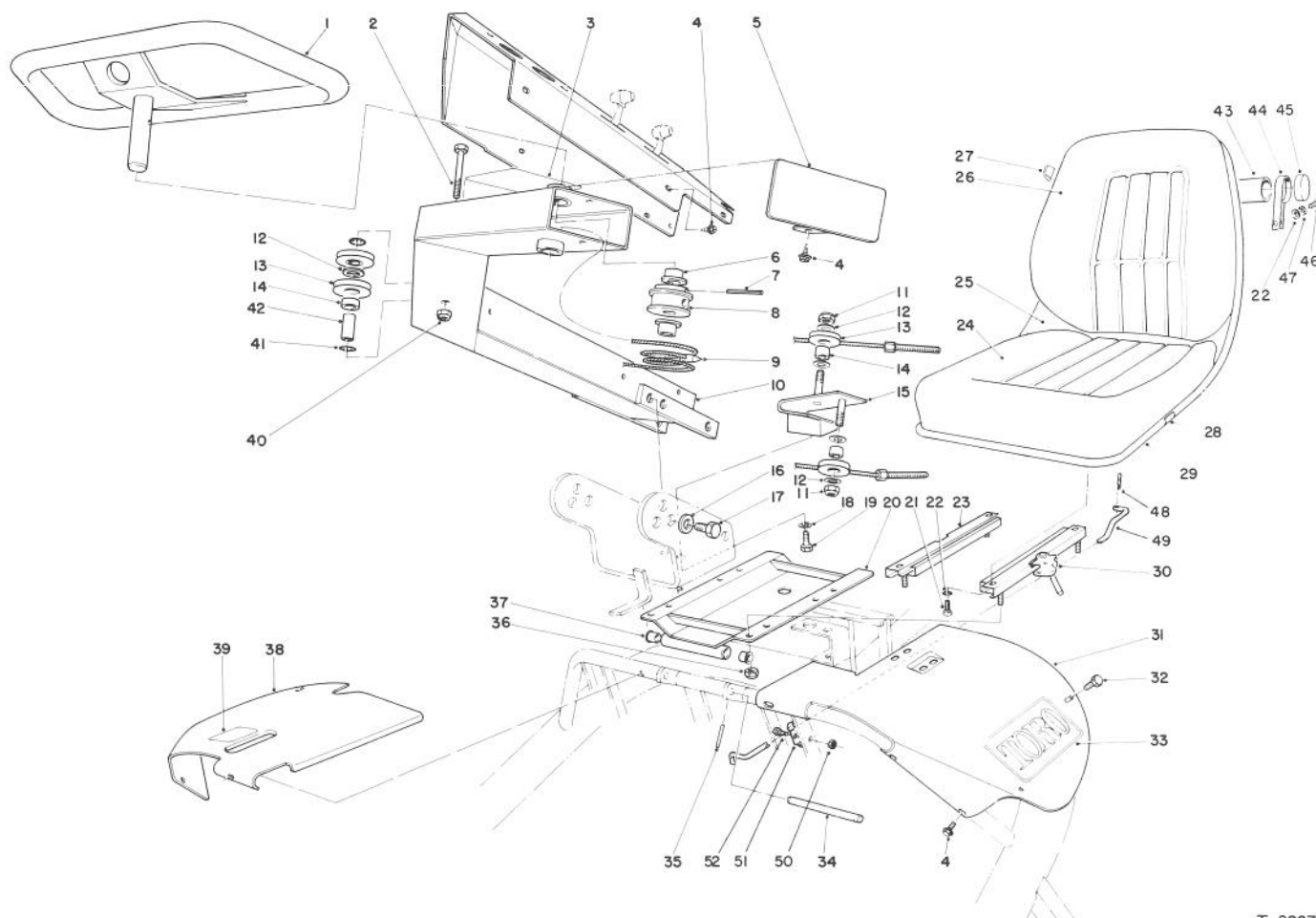


T-0217A

REAR HYDRAULIC CYLINDER NO. 83-7000

Ref. No.	Part No.	Description	No. Used
1	302-2	Fitting - Grease	1
2	237-78	O-Ring	2
3	43-5260	Barrel w/Clevis & Ports	1
4	32152-10	Nut	1
5		Uniring - Grooved	1
6	70-2780	Piston	1
7		O-Ring	1
8		Poly-Pack	1
9		O-Ring	1

Ref. No.	Part No.	Description	No. Used
10		Back-Up	1
11	70-2770	Head	1
12		Seal - Dust	1
13	43-5220	Ring - Retaining	1
14	43-5230	Shaft with Clevis	1
15	83-7250	Seal Repair Kit (Incl. Ref. #5, 7-10 & 12)	1



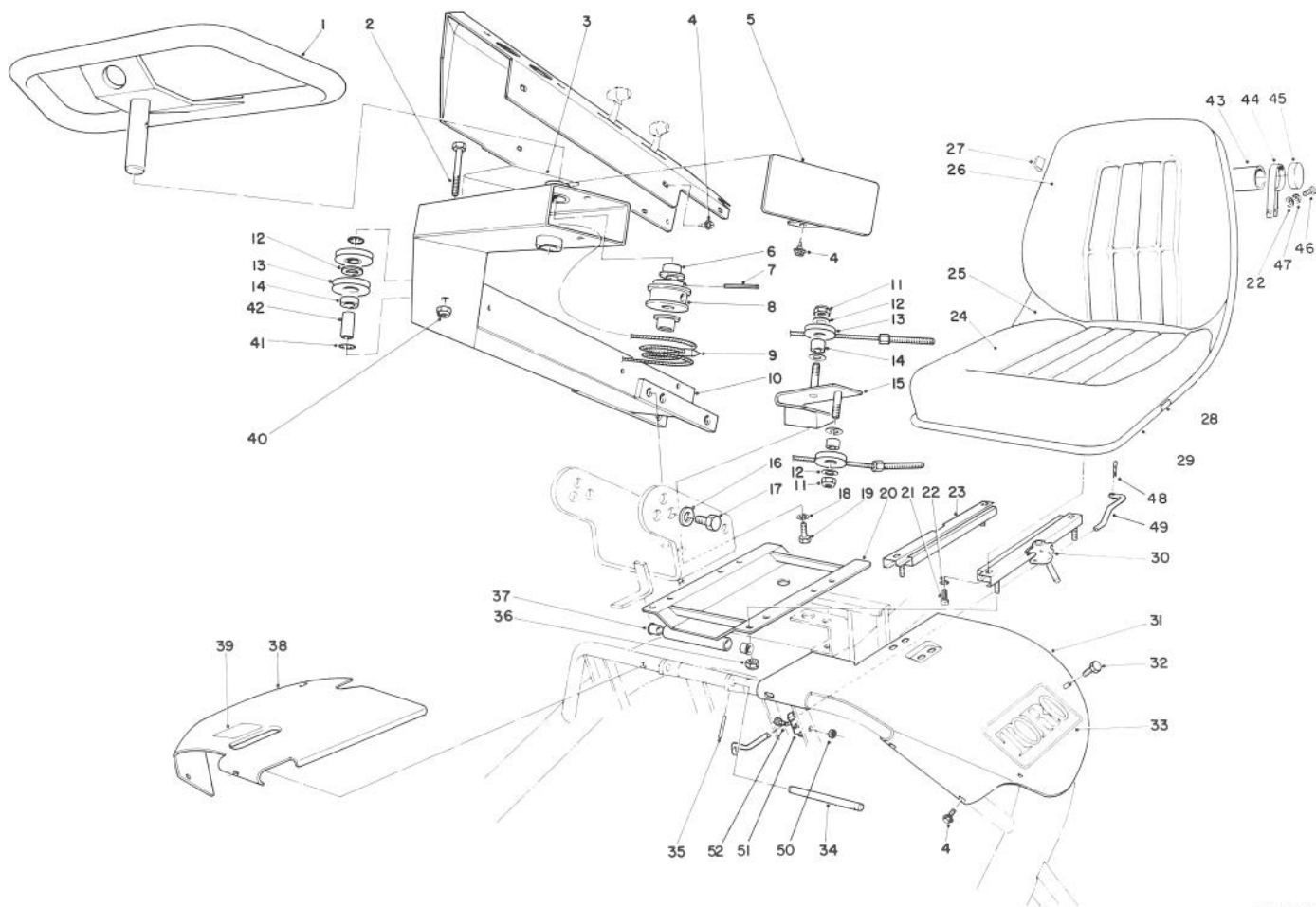
T-0297

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	256-219	Bushing	2
38	49-5470	Shield - Valve Cover R.H.	1
39	51-0010	Decal - Traction	1
40	3296-8	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

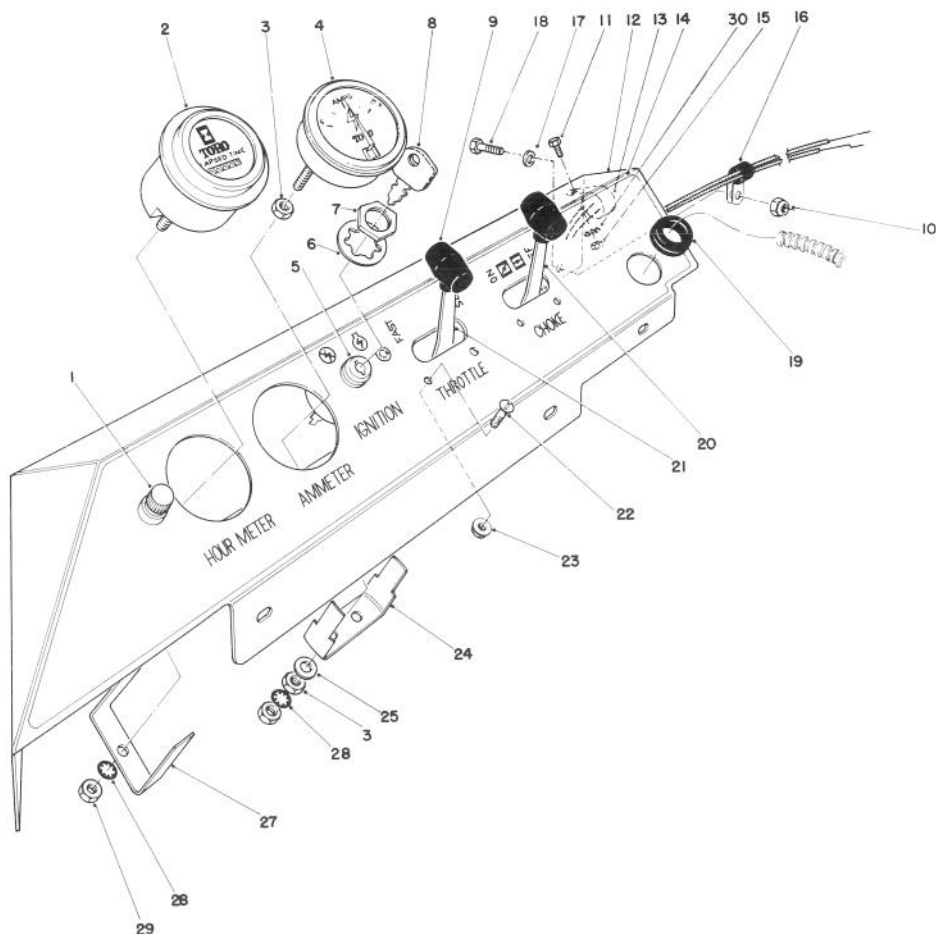
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T-0297

STEERING AND SEAT ASSEMBLY (Continued)

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



T-0298

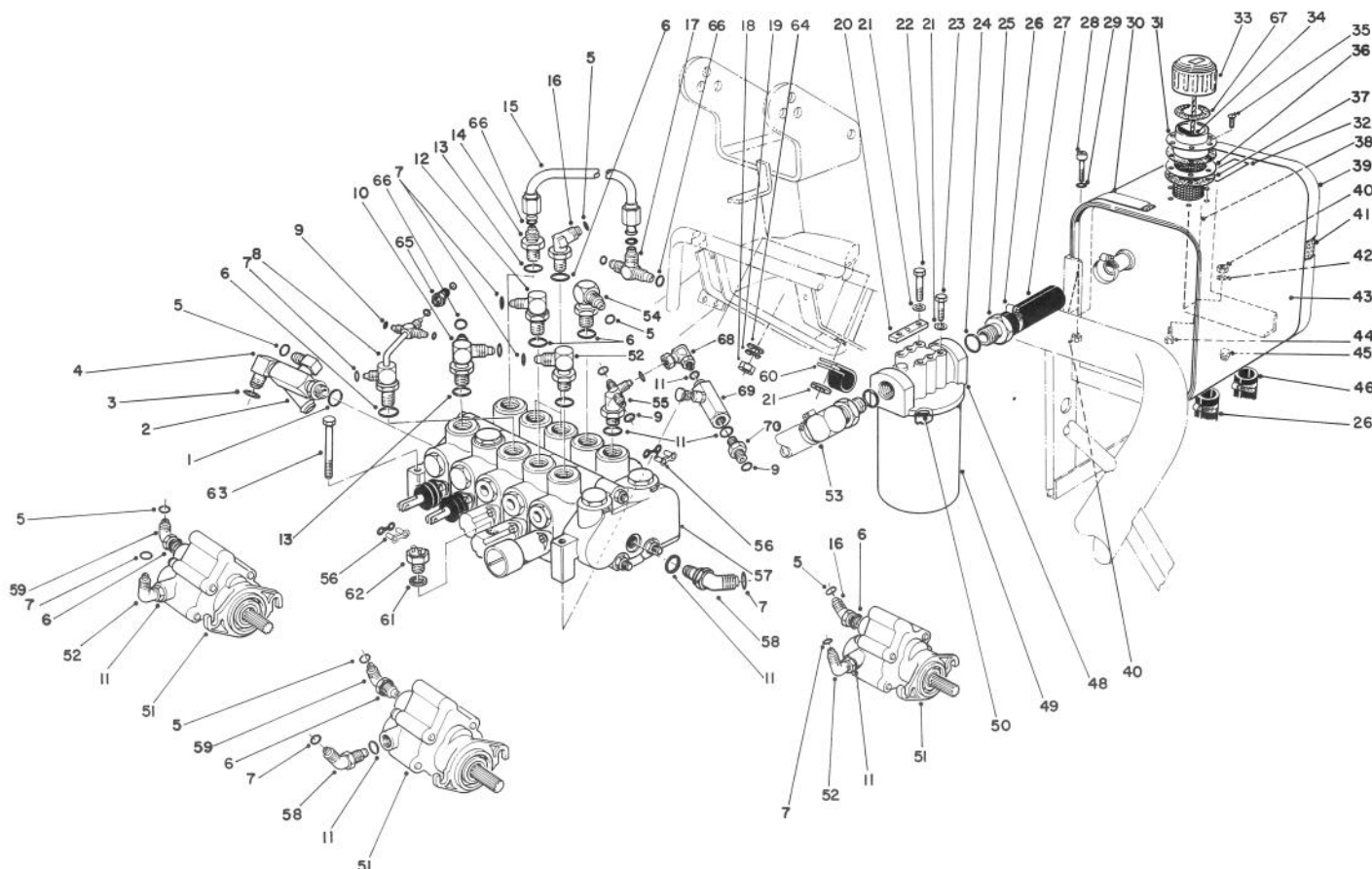
INSTRUMENT PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	218-489	Fuse Holder	1
*†		30 Amp Fuse	1
2	12-9990	Hour Meter	1
3	3219-14	Nut	6
4	33-0990	Ammeter	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
15	32149-2	Nut - Lock, Keys	1

Ref. No.	Part No.	Description	No. Used
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	39-9600	Clamp - Mounting	2
25	3256-21	Washer - Flat	2
27	218-515	Bracket - Mounting	1
28	3254-1	Washer - Lock, Int. Tooth	3
29	3217-26	Nut	1
30	3255-7	Washer - Lock, Int. Tooth	1

*Not Illustrated

†Obtain Locally

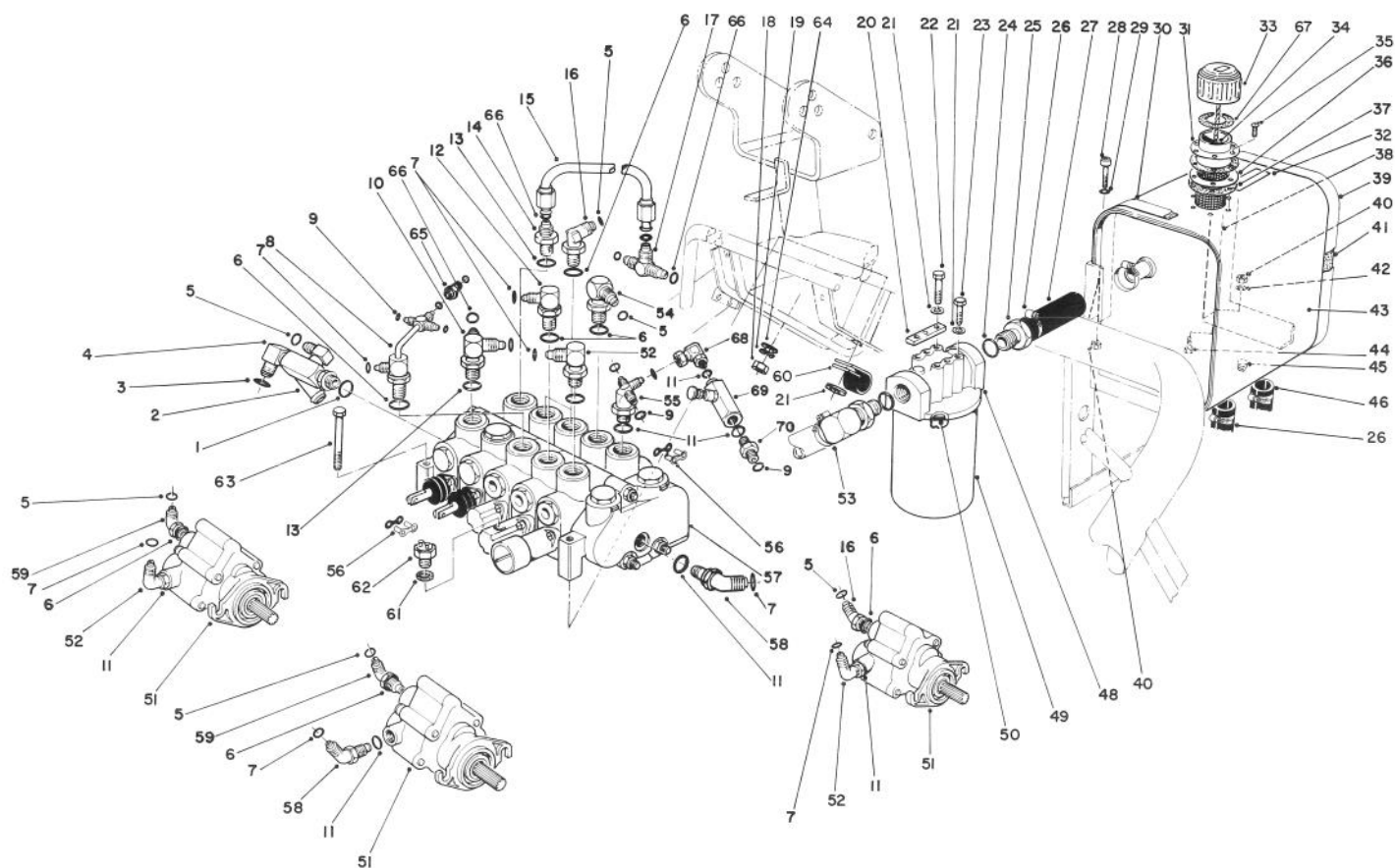


T-0299

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	1
11	237-42	O-Ring	A/R
12	340-18	90° Elbow	1
13	237-80	O-Ring	2
14	340-7	Fitting - Straight	1
15	63-3980	Traction Interconnect Line (Lower)	1
16	340-101	45° Fitting	3
17	340-19	Fitting - Tee	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

Ref. No.	Part No.	Description	No. Used
26	2412-3	Clamp - Hose	8
27	27-2040	Hose	1
28	3274-54	Screw - Set, Socket Hd.	2
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



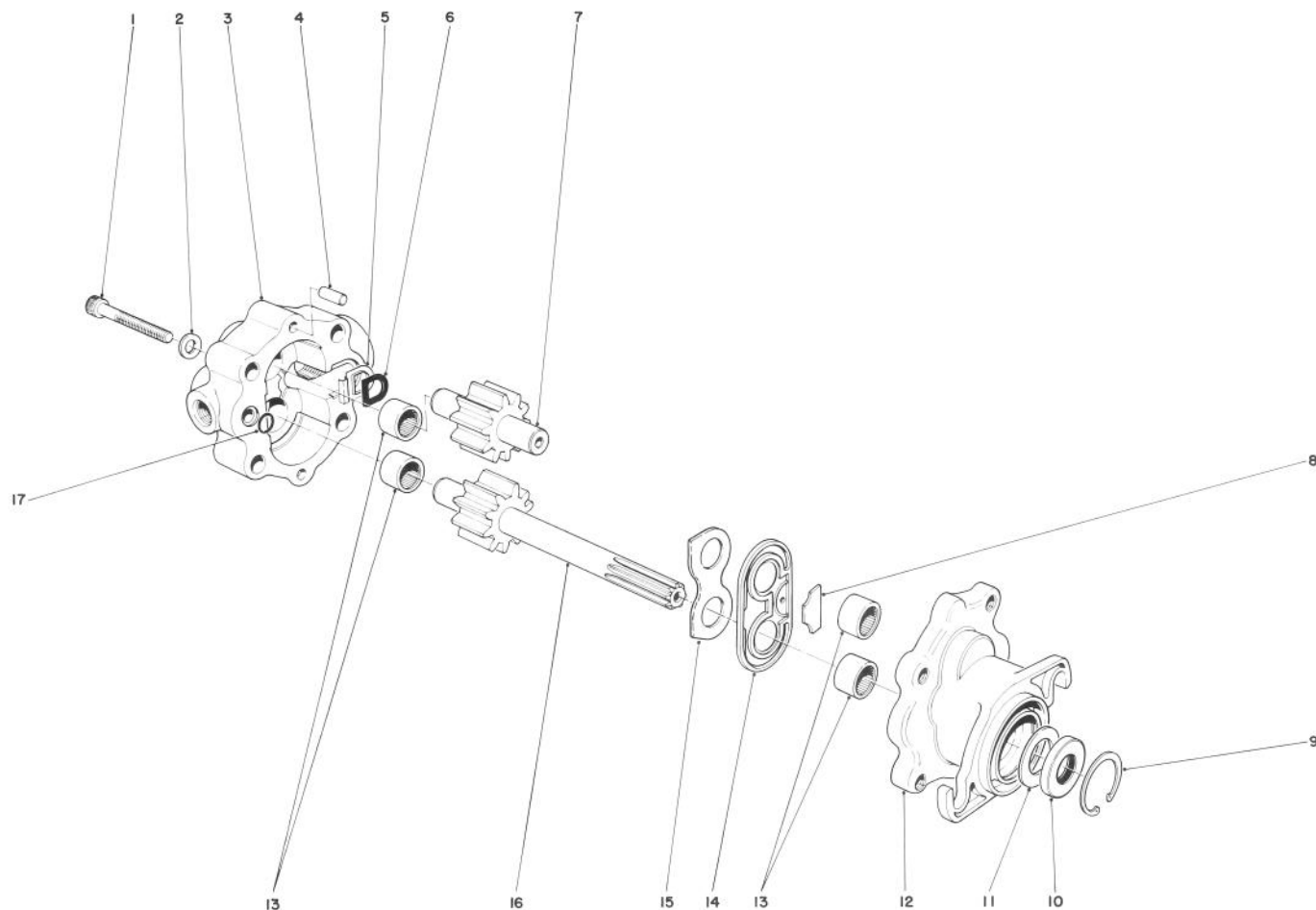
T-0299

VALVE BANK AND HYDRAULIC RESERVOIR ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	44-5560	Filter Head - Hydraulic	1
49	74-3570	Filter Element (Incl. Ref. #50)	1
50	72-3850	Seal - Ring	1
51	70-9800	Reel Motor	3
52	340-77	90° Elbow	3
53	353-564	90° Fitting	1
54	63-4090	90° Fitting - Extended	1
55	84-7880	Fitting - Crow Foot	1
56	57-6220	Link Connector	5
57	84-2200	Control Valve	1
58	340-87	45° Fitting	2
59	340-98	90° Elbow	2
60	304-61	Clamp	1

Ref. No.	Part No.	Description	No. Used
61	38-0410	Nut - Hex	2
62	43-8520	Switch	2
63	322-14	Screw - Cap, Hex Hd.	3
64	3254-2	Washer - Lock, Int. Tooth	1
65	71-0990	Fitting - One Way Orifice	1
66	237-65	O-Ring	6
67	76-1720	Gasket - Cap, Filler	1
68	340-110	Fitting - Hydraulic 90° (Incl. Ref. #11)	1
69	76-2810	Valve - Needle	1
70	340-1	Fitting - Hydraulic Straight (Incl. Ref. #9 & 11)	1
*	44-2500	Hydraulic Oil Dye	1

*Not Illustrated

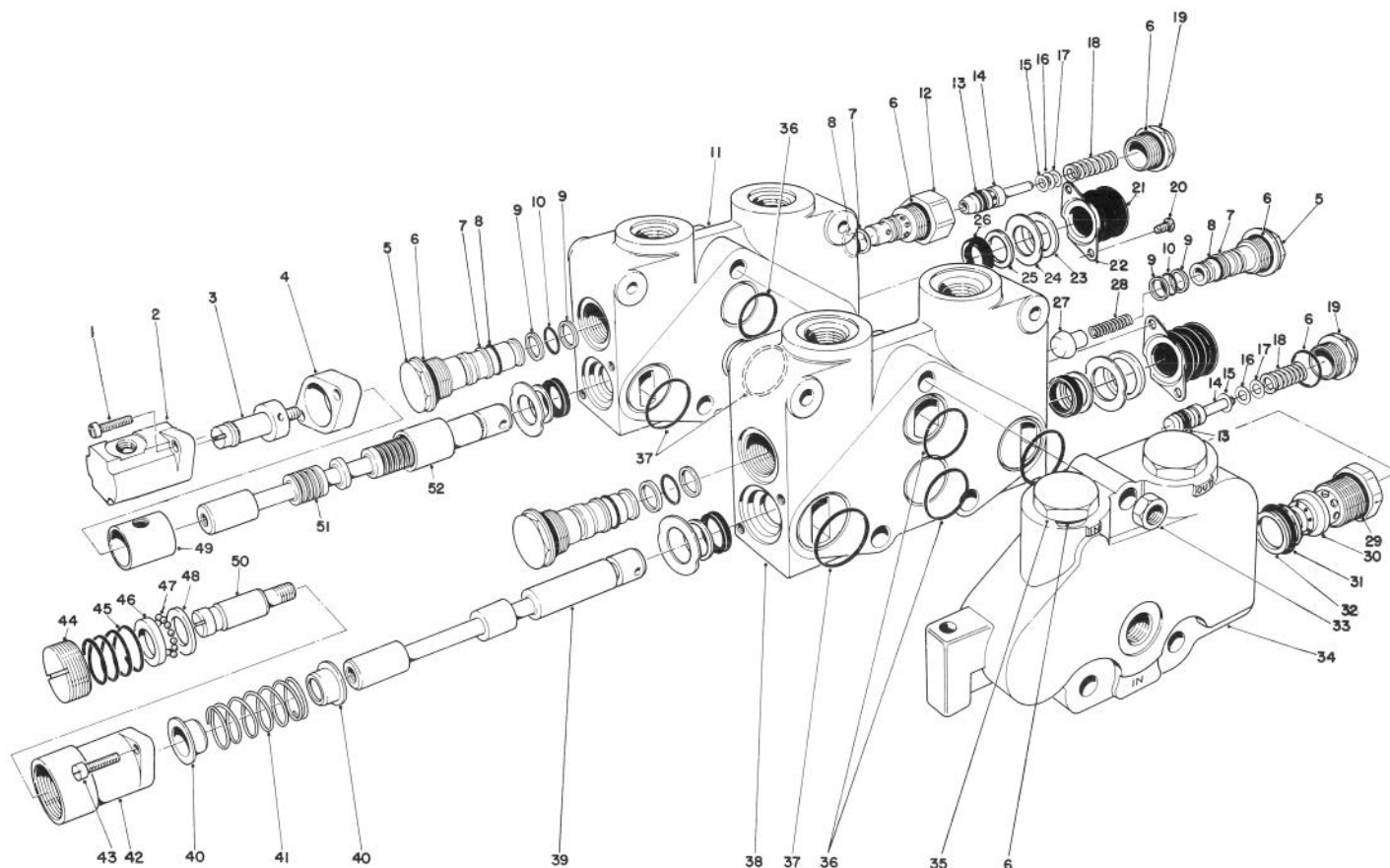


T-0300

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)	



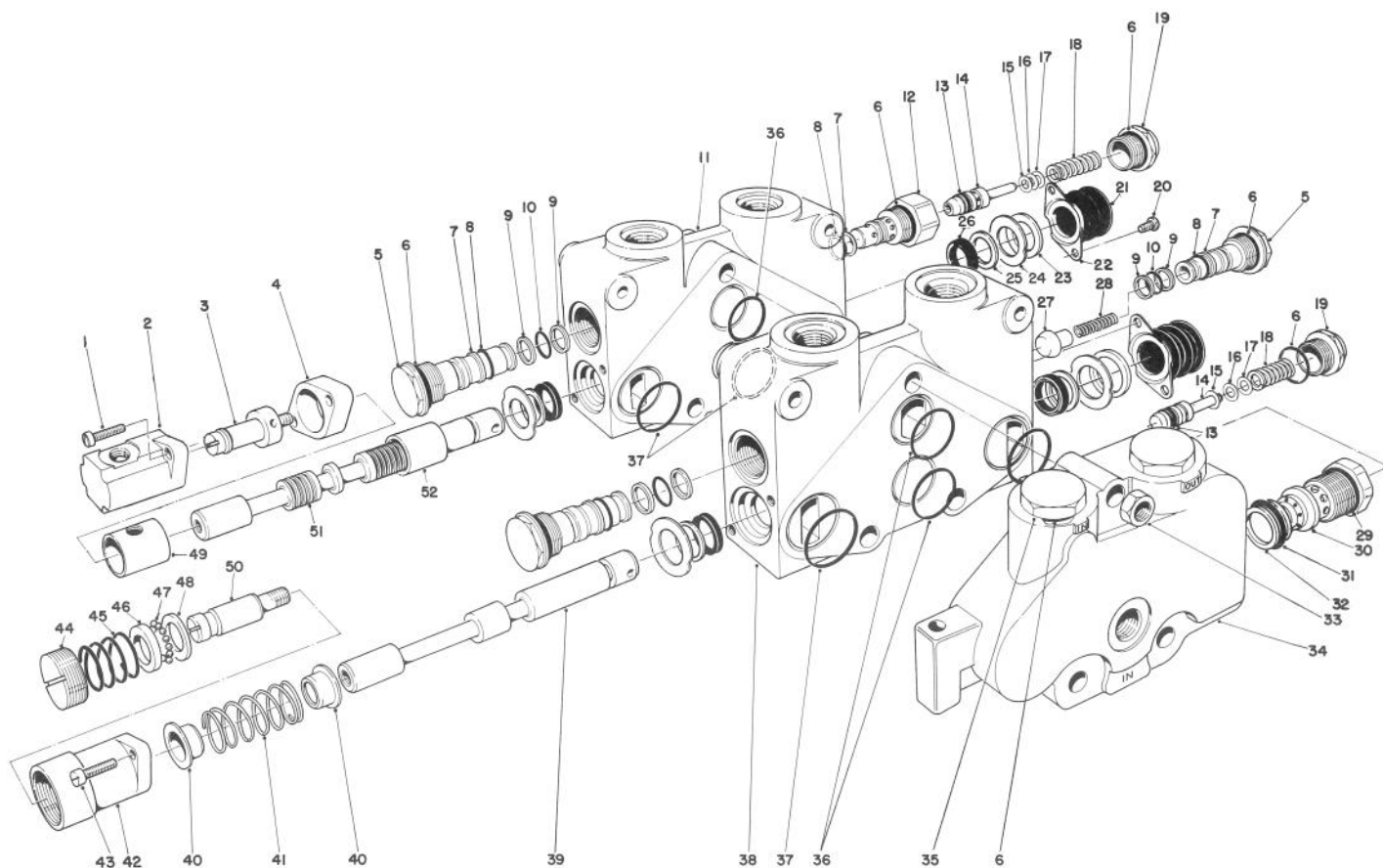
T-0301A

CONTROL VALVE ASSY. NO. 84-2200 (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	353-959	Plate - Seal Retainer	4
25	353-958	Ring - Backup	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	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	5
†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

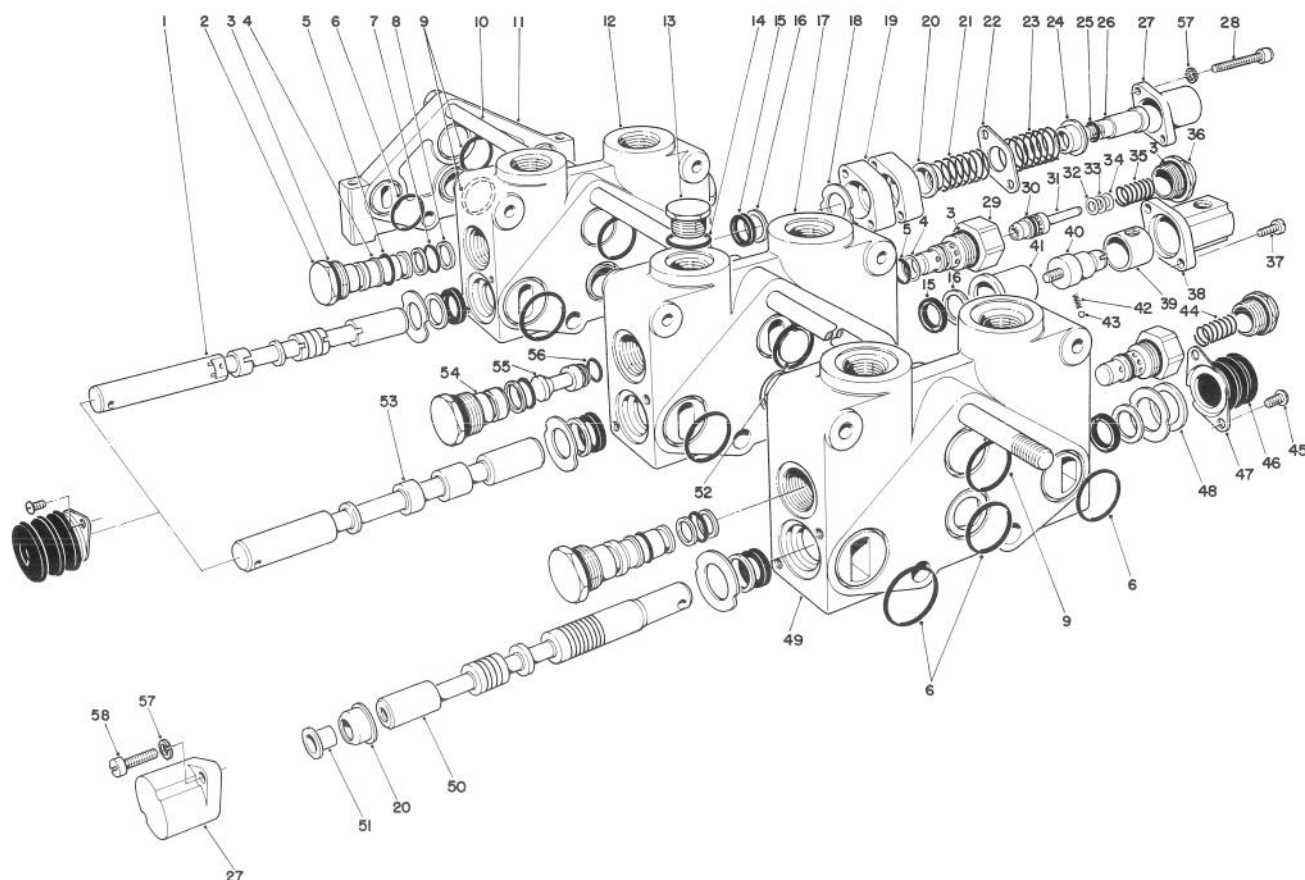


CONTROL VALVE ASSEMBLY NO. 84-2200 (Sections 1 And 2) (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
48	354-29	Plate - Thrust	1	*	353-839	Positioner - DI (SPL) Assy. (Incl. Ref. #1, 3-5, 50 & 52)	1
49	353-728	Sleeve	1	*	353-642	Relief - RC Mod. (Incl. Ref. #6-8, & 12-19)	2
50	353-780	Spud - Detent Out	1	*	353-835	Seals - Section Set (Incl. Ref. #36 & 37)	1
†51		Spool V20 3 Way F.F.	1	*	12-7009	Seal - Spool Set (Incl. Ref. #24-26)	1
52	353-732	Sleeve - Detent	1	*	353-854	Boot - Spool Assembly (Incl. Ref. #20-23)	2
*	353-766	Relief WH (2000) PSI Assy. (Incl. Ref. #6,13-19, 29, 30 & 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				

*Not Illustrated

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

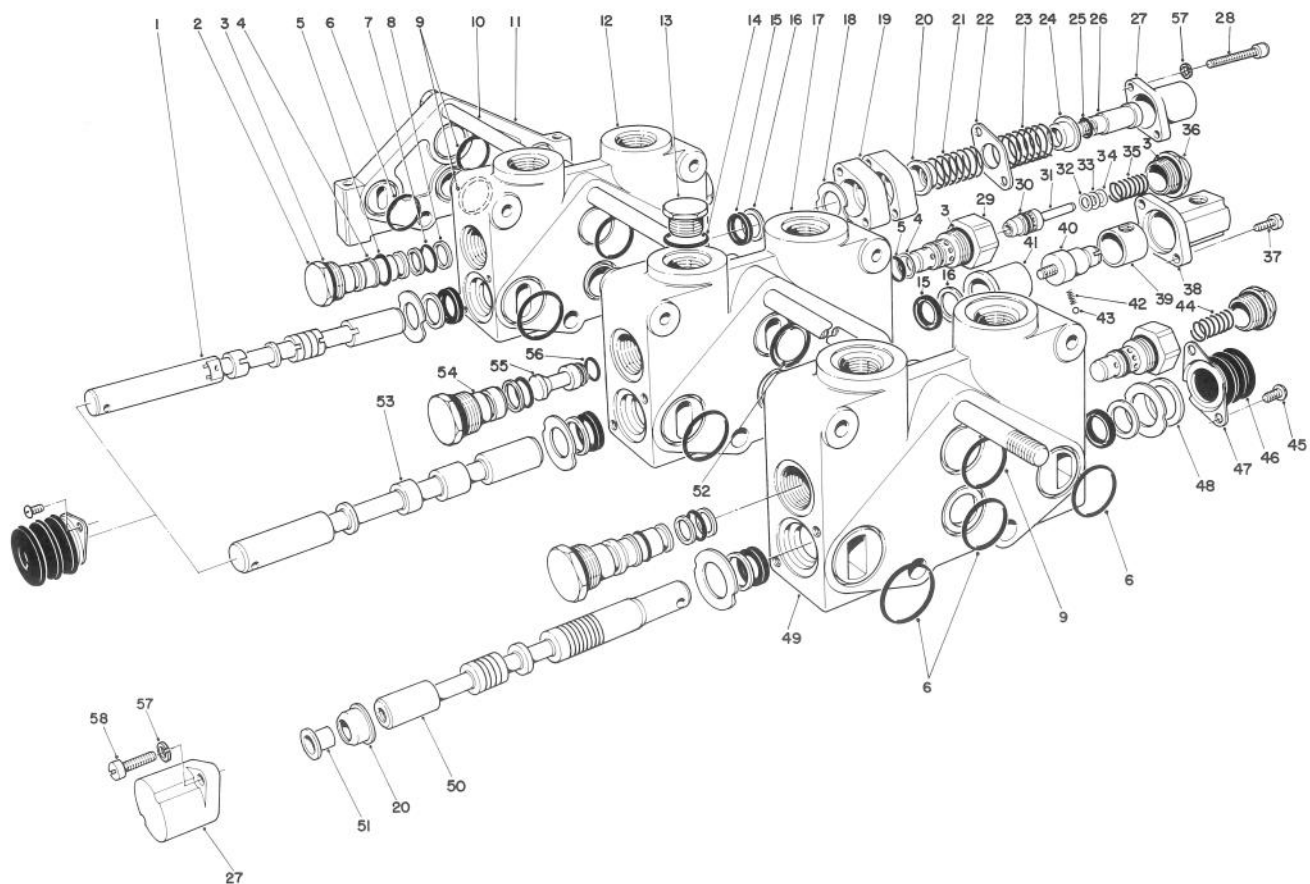


T-0302A

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 Rt. Cover	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	6	39	353-849	Sleeve	1
†17		Housing V20 #4	1	40	353-846	Spud - DI (SPL)	1
18	353-959	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-0302A

CONTROL VALVE ASSEMBLY NO. 84-2200 (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	*	353-770	Section #3 Assembly (Complete)	1
49		Housing V20 #2	1	*	354-25	Section #4 Assembly (Complete)	1
†50		Spool V20 3 Way F.F.	1	*	353-834	Section #5 Assembly (Complete)	1
51	52-5860	Collar - Spool	1	*	353-841	Position - Spool Assembly (Incl. Ref. #20, 27, 37 & 51)	1
52	353-765	Disc - Seal	1	*	353-840	Position - DI (SP) Assy. (Incl. Ref. #37-43)	1
†53	354-122	Spool #4	1	*	353-642	Relief - RC Mod. Assembly (Incl. Ref. #3-5 & 29-36)	1
54	353-953	Plug Assembly	1	*	353-833	Positioner Assembly (Incl. Ref. #19-28)	1
55	353-844	Plus Series (Incl. Ref. #56)	1		70-8210	Control Valve Assembly Complete	1
56	353-850	O-Ring	1				
57	3253-3	Washer - Lock	4				
58	3274-84	Screw - Cap, Hex. Hd.	4				
*	353-835	Seals - Section Set (Incl. Ref. #6 & 9)	1				
	12-7009	Seal - Spool Set (Incl. Ref. #15, 16 & 18)	1				
*	353-854	Boot - Spool Assembly (Incl. Ref. #45-48)	3				

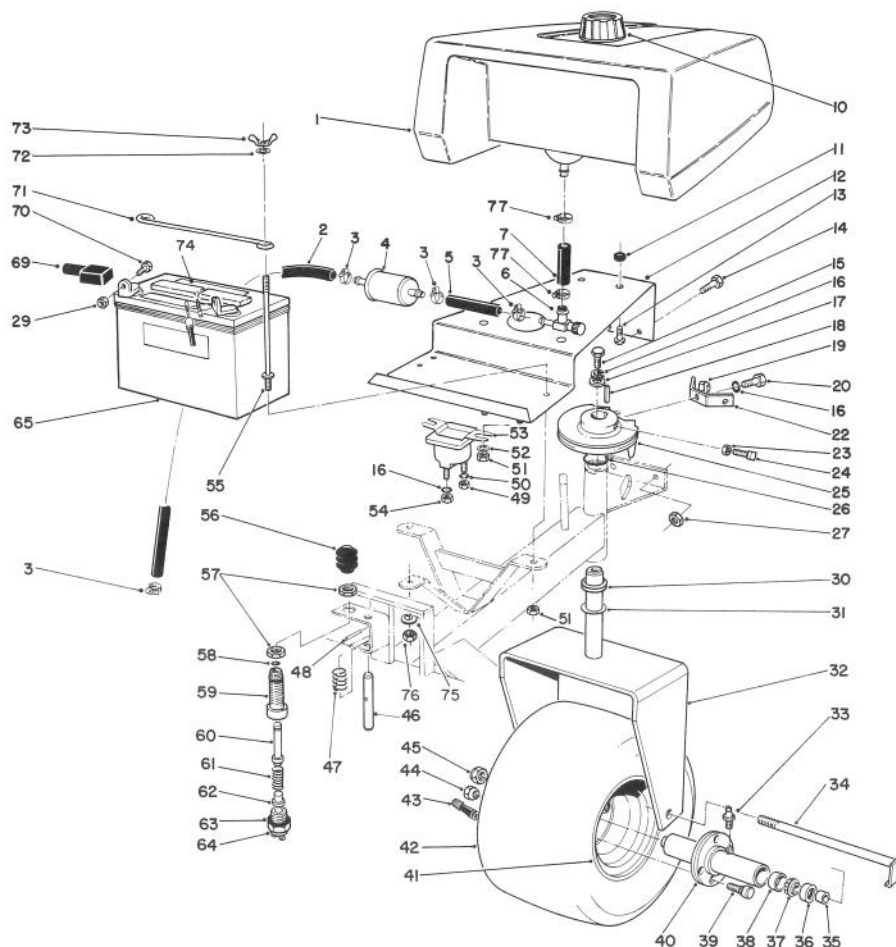
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†Parts Available as Assemblies Listed as (*Not Illustrated) on This Page



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

20

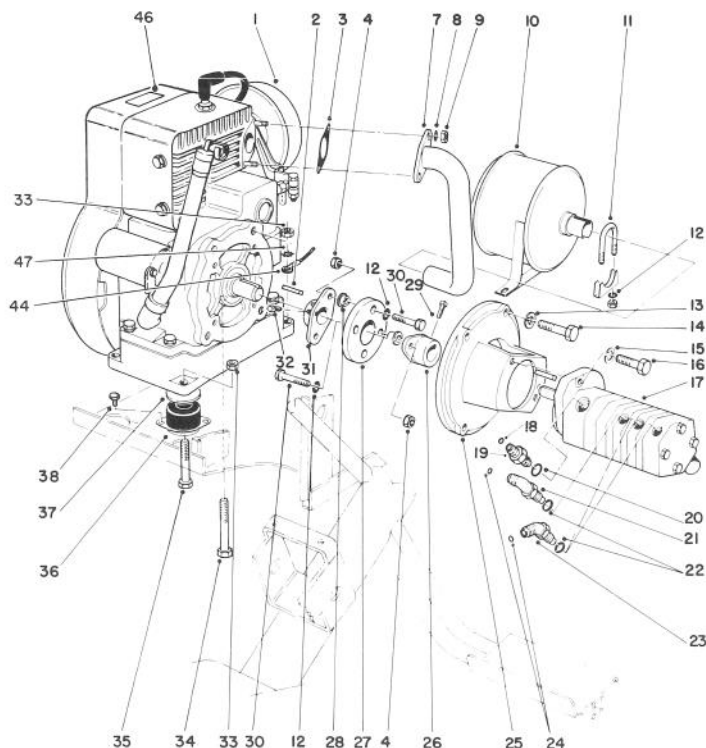
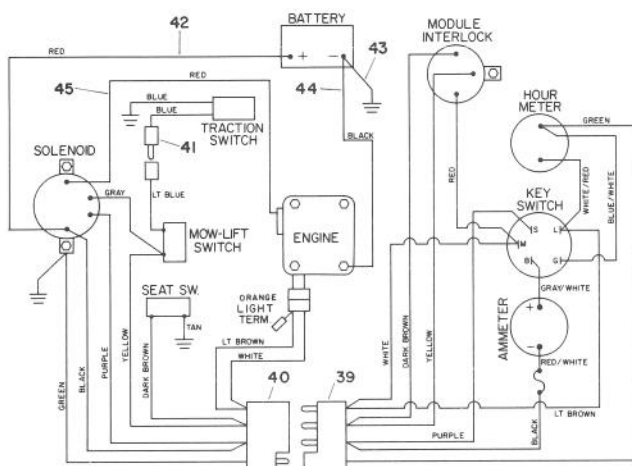


T-0303

GAS TANK BATTERY AND CASTER WHEEL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
57	218-461	Nut - Jam	2	70	321-3	Screw - Cap, Hex Hd.	2
58	237-7	O-Ring	1	71	72-4790	Hold Down - Battery	1
59	43-8620	Guide - Switch Pin	1	72	3256-22	Washer - Flat	2
60	43-8860	Plunger - Switch	1	73	32103-12	Nut - Wing	2
61	43-8600	Spring - Compression	1	74	76-1810	Cap - Battery	6
62	43-8610	Guide - Spring & Ball Seat	1	75	3256-23	Washer - Flat	1
63	237-30	O-Ring	1	76	3296-29	Nut - Lock	1
64	38-0430	Switch - Neutral	1	77	2412-36	Clamp - Gas Line	2
65	28-1400	Battery	1	*	44-1070	Switch Assembly (Incl. Ref. #56-64)	1
69	28-8080	Boot Terminal	1				

*Not Illustrated



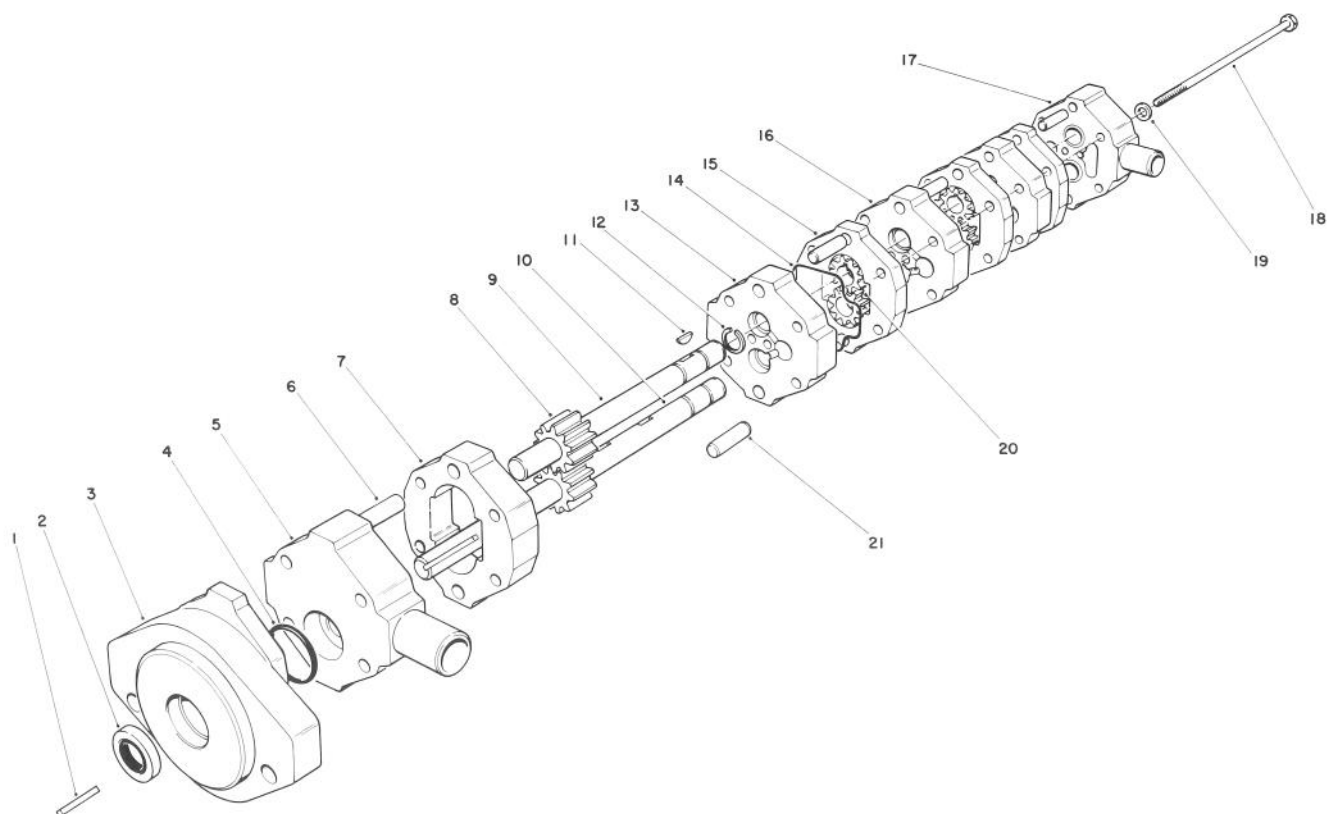
T-0304

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	62-2340	Wire Harness - Frame	1
41	62-2360	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

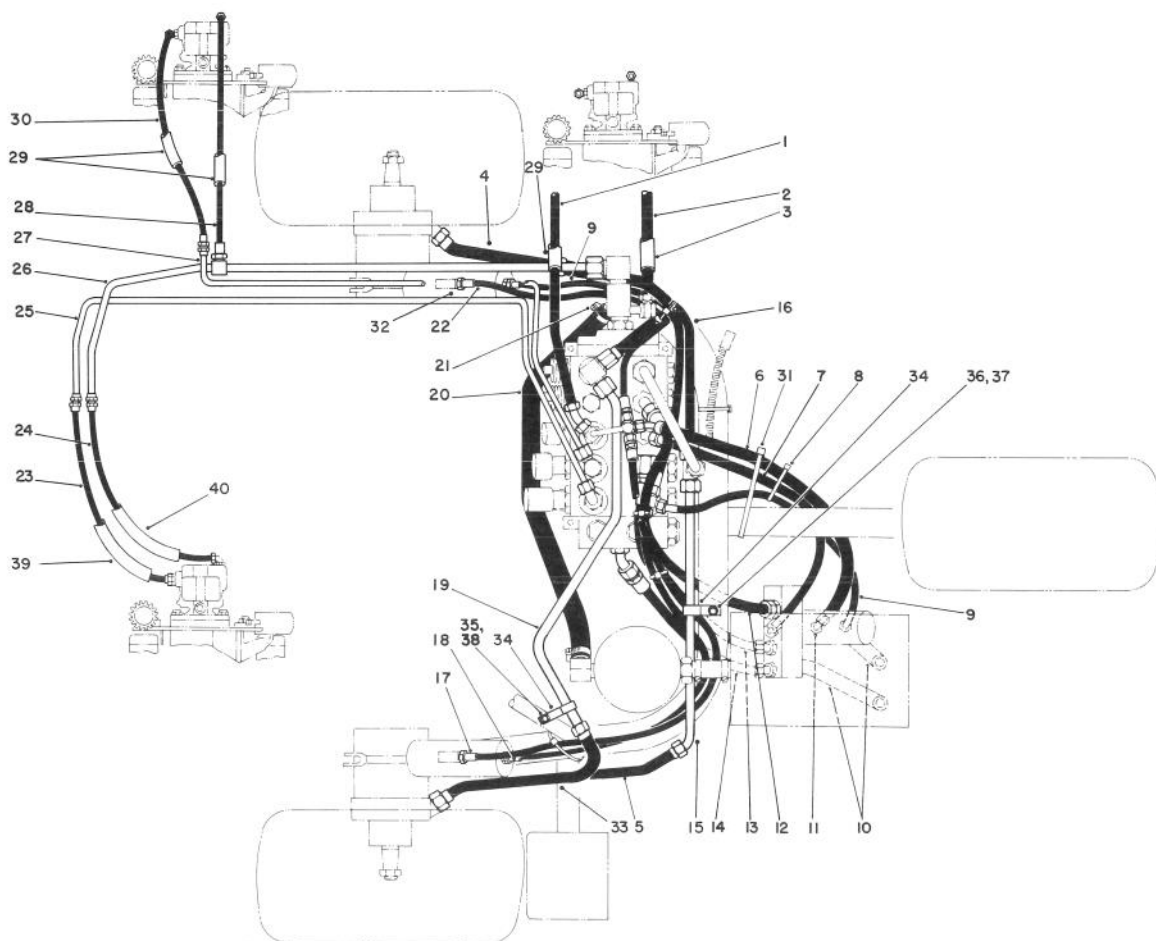


T-0305

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

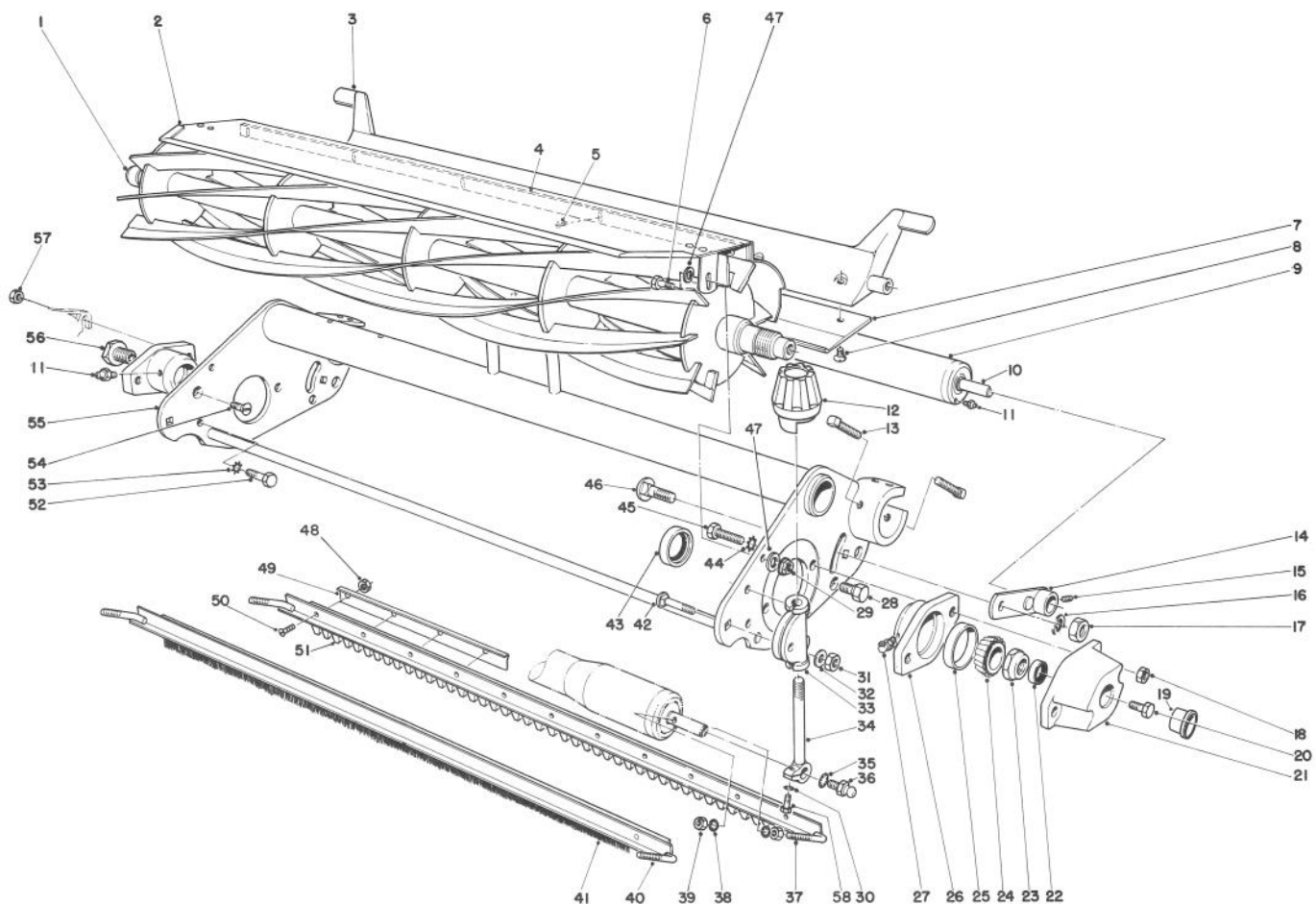


T-0306

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	70-7120	Tube - Traction Lower L.H.	1
16	70-7170	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



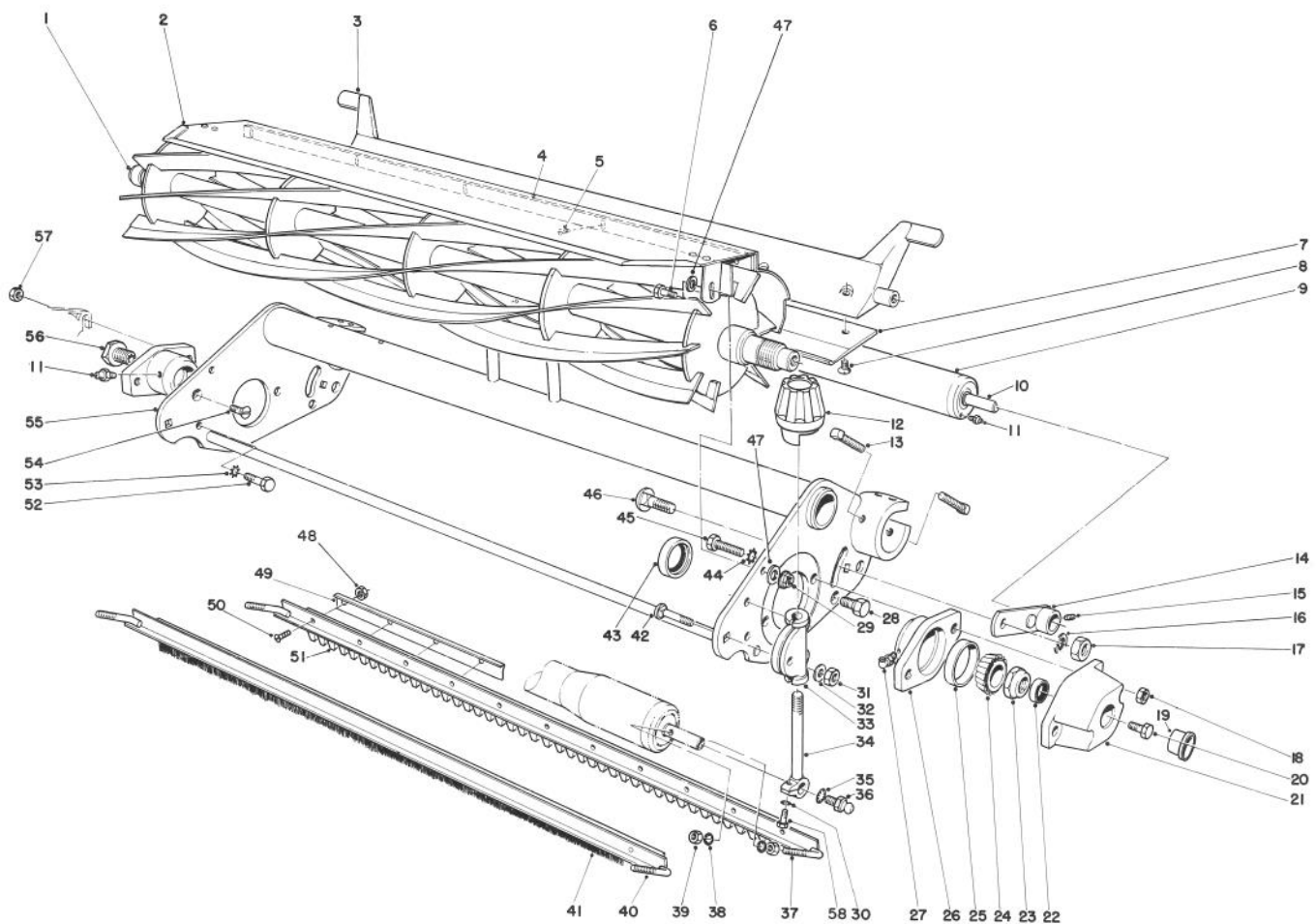
T-0307A

CUTTING UNIT MODEL NO. 04405 & 04408

Ref. No.	Part No.	Description	No. Used
1	12-3599	Reel Assy. 8 Blade (04408)	1
*	14-0659	Reel Assy. 5 Blade (04405)	1
2	36-7190	Grass Shield	1
3	10-4930	Bed Bar	1
4	36-7260	Cut-Off Bar	1
5	32144-73	Screw - Round Hd.	5
6	321-5	Screw - Cap, Hex. Hd.	2
7	63-8500	Bed Knife 1/8"	1
*	62-2510	Bed Knife 3/16"	1
*	63-8550	Bed Knife - Tournament	1
*	63-8610	Bed Knife - Fairway	1
8	57-4910	Screw - Special	7
9	21-8450	Rear Roller Assembly (Incl. Ref. #10 & 11)	1
10	21-8430	Rear Bearing	2
11	302-5	Fitting - Grease	3
12	65-8600	Knob - Height Adjustment	2
13	3243-13	Screw - Set, Sq. Hd.	4
14	27-2650	Height-of-Cut Adjustment	2
15	3290-125	Screw - Set	2
16	3253-7	Washer - Lock	2
17	3217-9	Nut - Hex.	2
18	3296-39	Nut - Lock	2
19	12-0460	Caplug	1
20	323-2	Screw - Mach. Hex Hd.	1
21	10-5080	End Cap	1

Ref. No.	Part No.	Description	No. Used
22	253-61	Seal	1
23	3296-60	Nut - Lock	1
24	254-94	Cone - Bearing	2
25	254-72	Cup - Bearing	2
26	10-5120	Housing - Bearing	2
27	302-40	Fitting - Grease	1
28	217-74	Wheel Bolt	2
29	3296-42	Nut - Lock	2
30	3253-3	Washer - Lock	2
31	3296-29	Nut - Lock	2
32	3256-23	Washer - Flat	2
33	10-5060	Bracket Height of Cut	2
34	10-5010	Screw - Roller Adjustment	2
35	3254-6	Washer - Lock	2
36	2411-7	Ball Stud	2
37	11-0070	Scraper Comb Assembly (Incl. Ref. #48-51)	1
38	3254-8	Washer - Lock	4
39	3219-1	Nut - Hex	4
40	33-1000	Scraper Brush Assembly (Incl. Ref. #41) (Optional)	1
41	33-0630	Brush	1
42	3-7253	Bolt - Carriage	2
43	253-96	Oil Seal	2
44	3255-9	Washer - Lock	4
45	57-3210	Screw - Mach. Special	4

*Not Illustrated



T-0307A

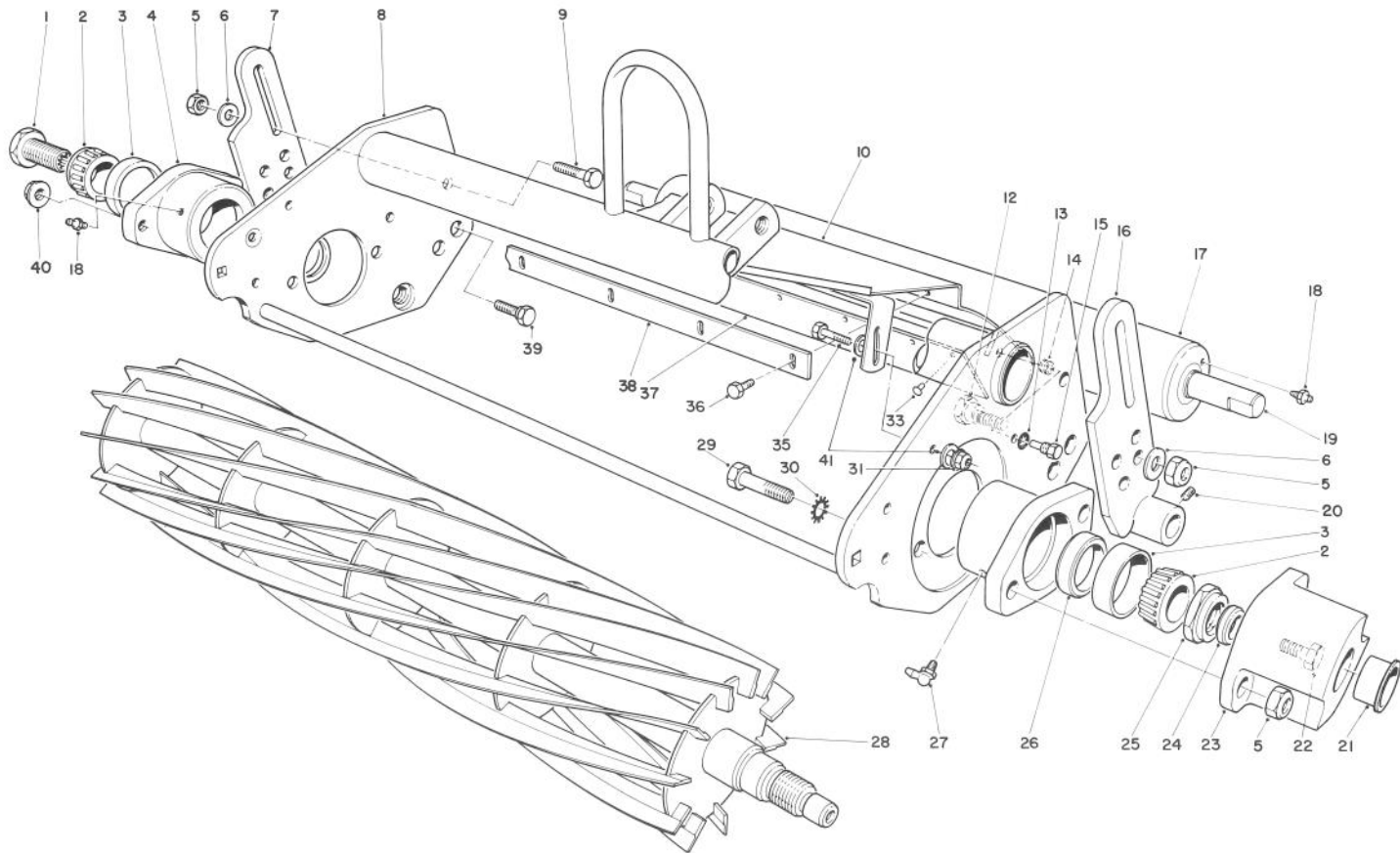
CUTTING UNIT MODEL NO. 04405 & 04408 (Continued)

Ref. No.	Part No.	Description	No. Used
46	3233-26	Bolt - Carriage	2
47	3256-22	Washer - Flat	4
48	3296-9	Nut - Lock	11
49	8-2520	Support Comb	1
50	3249-3	Screw - Round Head	11
51	8-2530	Comb - Urethane	1
52	322-5	Screw - Cap, Hex. Hd.	2
53	3255-8	Washer - Lock	2
54	32108-20	Screw - Flat Head	2

Ref. No.	Part No.	Description	No. Used
55	70-1100	Frame - Reel	1
56	10-5100	Nut - Spline	1
57	32128-36	Nut - Nut, Flange	2
58	321-4	Screw - Cap, Hex. Hd.	2
*	13-8199	Bar Adj. Gauge (Includes †)	1
*†	32122-22	Screw - Truss Head	1
*†	3219-14	Nut - Hex	1

*Not Illustrated

†Special Tool for Installation



T-0309

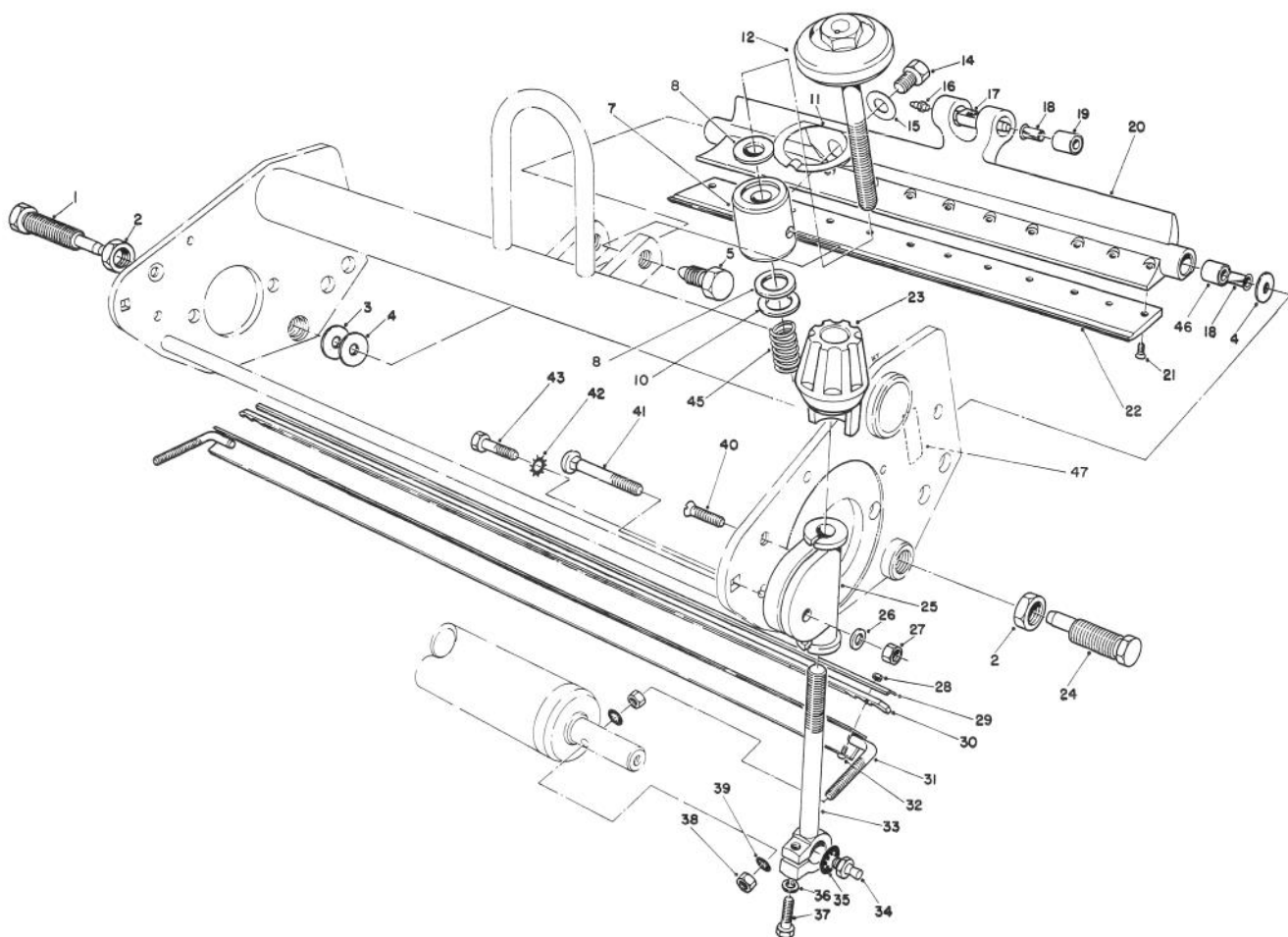
CUTTING UNIT MODEL NO. 04450 (11 Blade) CUTTING UNIT MODEL NO. 04468 (8 Blade)

Ref. No.	Part No.	Description	No. Used
1	77-0340	Nut - Spline	1
2	254-94	Cone - Bearing	2
3	254-72	Cup - Bearing	2
4	10-5120	Housing - Bearing	2
5	3296-39	Nut - Lock	6
6	3256-24	Washer - Flat	4
7	77-1060	Bracket - Height of Cut (R.H.)	1
8	70-1200	Frame - Reel	1
9	323-7	Screw - Cap, Hex Hd.	2
10	57-5200	Grass Shield Assembly (Incl. Ref. #33 & 37)	1
12	52-3100	Bolt - Eccentric (Height of Cut L.H.)	1
13	3254-6	Washer - Lock	2
14	237-84	Grommet	2
15	57-9910	Screw - Pivot	2
16	77-1080	Bracket - Height of Cut (L.H.)	1
17	52-3120	Rear Roller Assembly (Incl. Ref. #18 & 19)	1
18	302-5	Fitting - Grease	3
19	21-8430	Bearing - Rear Roller	2
20	3246-2	Screw - Set	2
21	12-0460	Caplug	1
22	323-2	Screw - Machine, Hex Hd.	1

Ref. No.	Part No.	Description	No. Used
23	10-5080	Cap-End	1
24	253-61	Seal	1
25	3296-60	Nut - Lock	1
26	253-96	Seal	2
27	302-40	Fitting - Grease	1
28	12-2789	Reel - 11 Blade (Model No. 04450)	1
*	12-3599	Reel - 8 Blade (Model No. 04468)	1
29	57-3210	Screw - Machine, Special	4
30	3255-9	Washer - Lock	4
31	3296-42	Nut - Lock	2
33	3295-46	Rivet	13
35	321-5	Screw - Cap, Hex Hd.	2
36	32144-73	Screw - Self Tapping	5
37	57-5210	Flap - Shield	1
38	36-7260	Cut-Off Bar	1
39	52-3110	Bolt - Shoulder (Height of Cut R.H.)	1
40	32128-36	Nut - Lock, Flange	2
41	3256-22	Washer - Flat	4
*	13-8199	Bar Adj. Gauge (Includes †)	1
*†	32122-2	Screw - Truss Hd.	1
*†	3219-14	Nut - Hex	1
*‡		Backlapping Brush Assy.	1

*Not Illustrated

†Special Tool for Installation



T-1123A

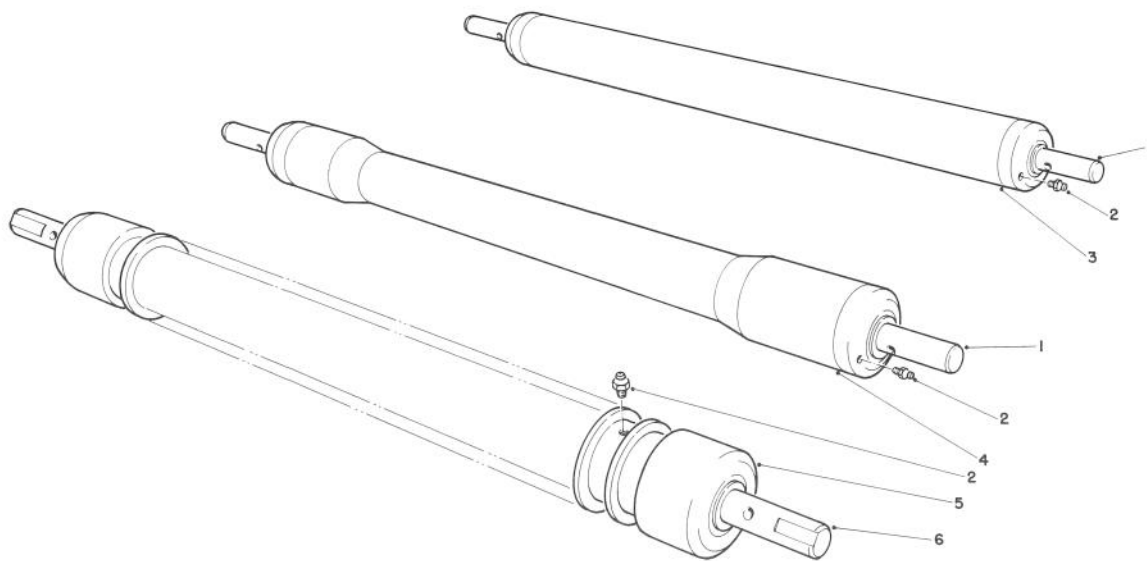
BEDBAR & SCRAPER COMB ASSEMBLY FOR CUTTING UNIT MODEL NO. 04450 & 04468

Ref. No.	Part No.	Description	No. Used
1	52-2930	Bolt - Adjustment Shoulder	1
2	3220-6	Nut - Hex. Jam	2
3	52-2860	Washer	1
4	52-2900	Washer - Poly	2
5	66-7240	Screw - Pivot SPA	2
7	77-0330	Pivot - Single Point Adjust.	1
8	77-0350	Retainer - Bearing	2
10	237-77	O-Ring	2
11	66-7220	Arm - Spring	1
12	77-0300	Handle Assembly	1
14	324-25	Screw - Cap, Hex. Hd.	1
15	3256-25	Washer - Flat	1
16	302-18	Fitting - Grease	1
17	57-5260	Pivot - Bedbar	1
18	52-2890	Bushing - Flanged	4
19	62-5510	Rubber Bushing Assembly	2
20	57-4940	Bedbar	1
†21	57-4910	Screw - Special	13
22	63-8470	Bed Knife 1/8"	1
*	62-2500	Bed Knife 3/16"	1
*	63-8560	Bed Knife - Tournament	1
*	63-8600	Bedknife - Fairway	1
23	65-8600	Knob - Height Adjustment	2
24	52-2910	Bolt - Eccentric Shoulder (L.H.)	1
25	10-5060	Bracket - Height of Cut	2
26	3256-23	Washer - Flat	2

Ref. No.	Part No.	Description	No. Used
27	3296-29	Nut - Lock	2
28	3296-9	Nut - Lock	11
29	8-2520	Support - Comb	1
30	8-2530	Comb - Urethane	1
31	11-0070	Scraper Comb Assembly (Incl. Ref. #28-30 & 32)	1
32	3249-3	Screw - Round Hd.	11
33	10-5010	Screw - Roller Adjustment	2
34	2411-7	Ball Stud	2
35	3254-6	Washer - Lock	2
36	3253-3	Washer - Lock	2
37	321-4	Screw - Cap, Hex Hd.	2
38	3219-1	Nut - Hex	4
39	3254-8	Washer - Lock	4
40	32108-20	Screw - Machine, Flat Hd.	2
41	3-7253	Bolt - Carriage	2
42	3255-8	Washer - Lock	2
43	322-5	Screw - Cap, Hex Hd.	2
45	66-7230	Spring - Compression	1
46	63-9510	Rubber Bushing Assembly	2
47	77-0490	Decal - Bolt, Eccentric	1
*	36-7250	Grass Basket Assembly	2
*	13-3659	Overhaul Kit (Incl. Ref. #2, 3, 24 & 26 On page 27. #4, 18-19, 21 & 46 on this page)	1

*Not Illustrated

†Special Tool for Installation



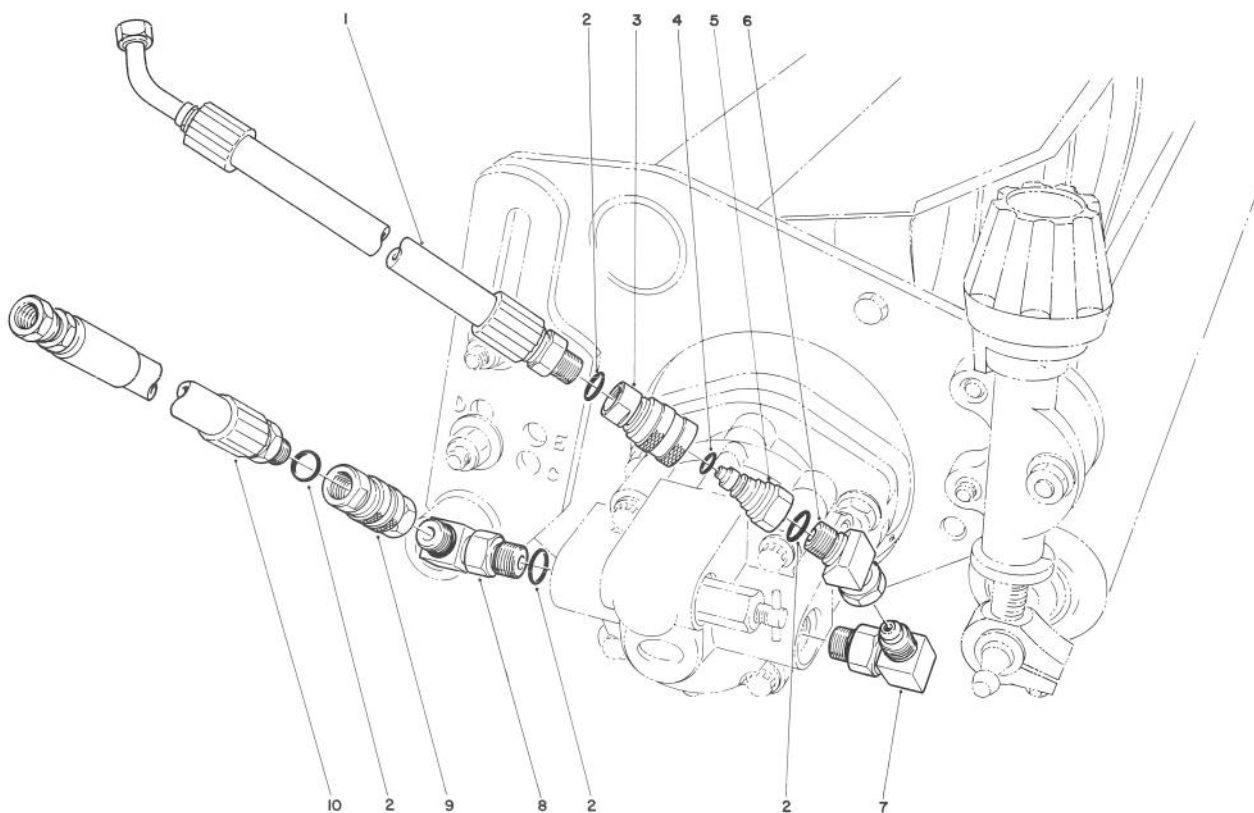
T-0956

CUTTING UNIT ROLLER OPTIONS

Ref. No.	Part No.	Description	No. Used
1	52-3180	Bearing - Front Roller	2
2	302-5	Fitting - Grease	2
3	52-3170	Full Front Roller Assembly (Incl. Ref. #1 & 2)	1
4	52-3590	Swaged Roller Assembly (Incl. Ref. #1 & 2)	1

Ref. No.	Part No.	Description	No. Used
5	71-1550	Wiehle Roller Assembly (Incl. Ref. #2 & 6)	1
6	52-3210	Bearing - Wiehle Roller	2
*	04412	Full Roller Carton of 3	1
*	04414	Swaged Roller Carton of 3	1
*	04424	Wiehle Roller Carton of 3	1

*Not Illustrated

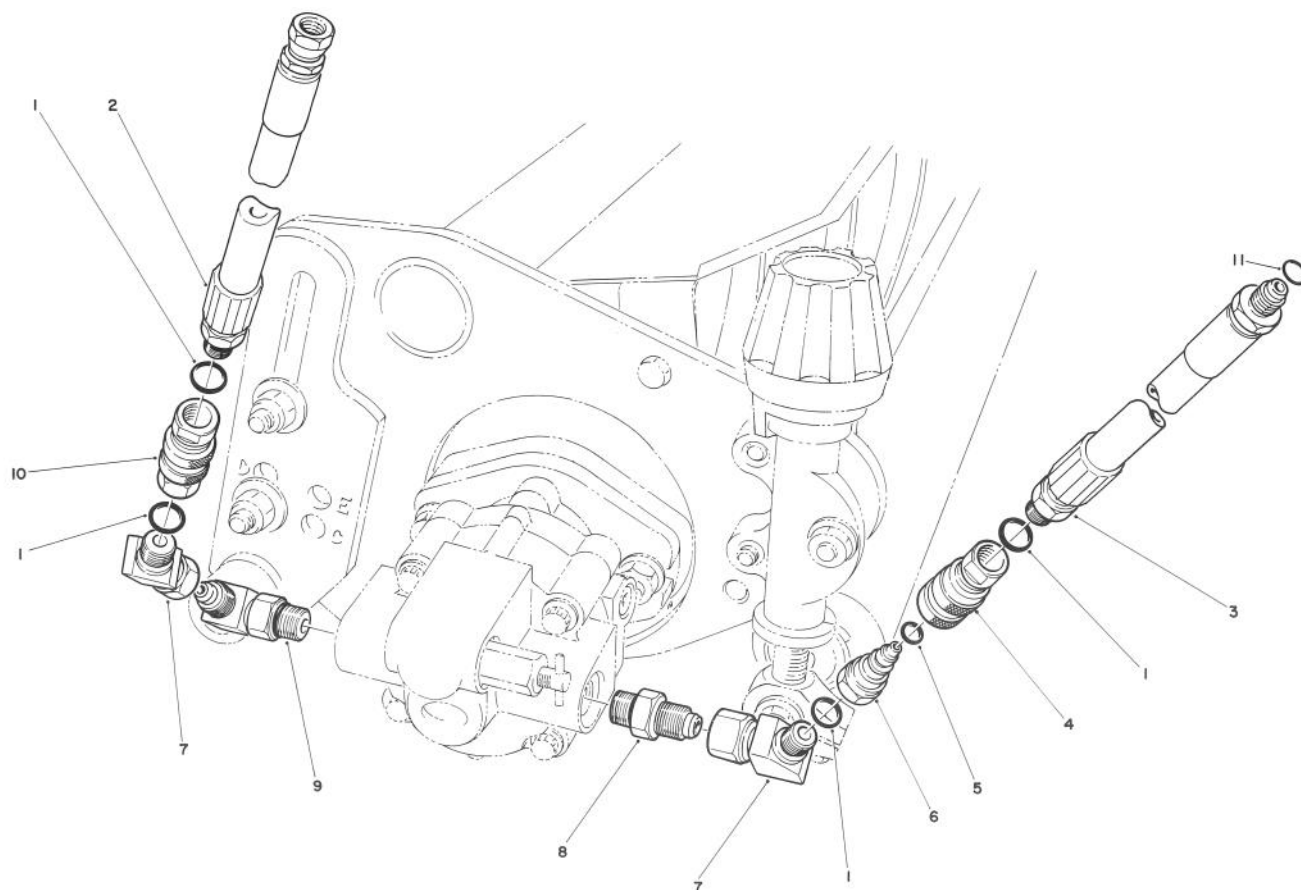


T-0316A

BACKLAPPING KIT NO. 63-4960 (Optional) #1 Cutting Unit

Ref. No.	Part No.	Description	No. Used
1	70-9960	Hose Assembly - Pressure (Incl. Ref. #2)	1
2	237-42	O-Ring	6
3	353-934	Coupling	2
4	237-142	O-Ring	2
5	353-933	Coupling	2
6	54-9530	Fitting - 45° Swivel Elbow (Incl. Ref. #2)	1

Ref. No.	Part No.	Description	No. Used
7	353-374	Fitting - 90° Adjustable El.	1
8	54-9540	Fitting - 90° Adjustable El. (Incl. Ref. #2)	1
9	54-9620	Coupling - Quick Dscnct. (Incl. Ref. #3-5)	2
10	70-9950	Hose Assembly - Return (Inc. Ref. #2)	1

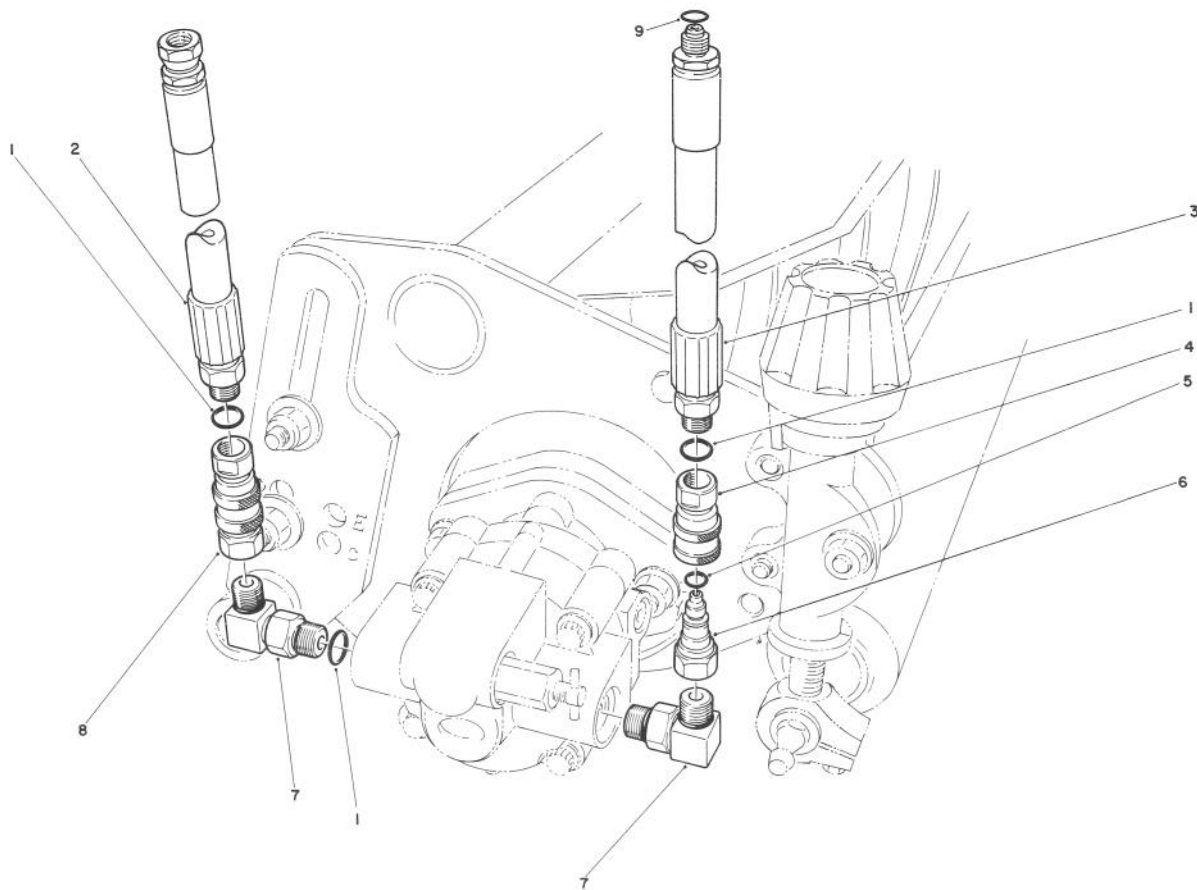


T-0317A

BACKLAPPING KIT NO. 63-4960 (Cont.) #2 Cutting Unit

Ref. No.	Part No.	Description	No. Used
1	237-42	O-Ring	6
2	70-9950	Hose Assembly - Return (Incl. Ref. #1)	1
3	70-9940	Hose Assembly - Pressure (Incl. Ref. #1 & 11)	1
4	353-934	Coupling	2
5	237-142	O-Ring	2
6	353-933	Coupling	2

Ref. No.	Part No.	Description	No. Used
7	54-9530	Fitting - 45° Swivel Elbow (Incl. Ref. #1)	2
8	353-384	Fitting - Straight	1
9	353-374	Fitting - 90° Adjustable El.	1
10	54-9620	Coupling - Quick Dscnct. (Incl. Ref. #4-6)	2
11	237-22	O-Ring	1

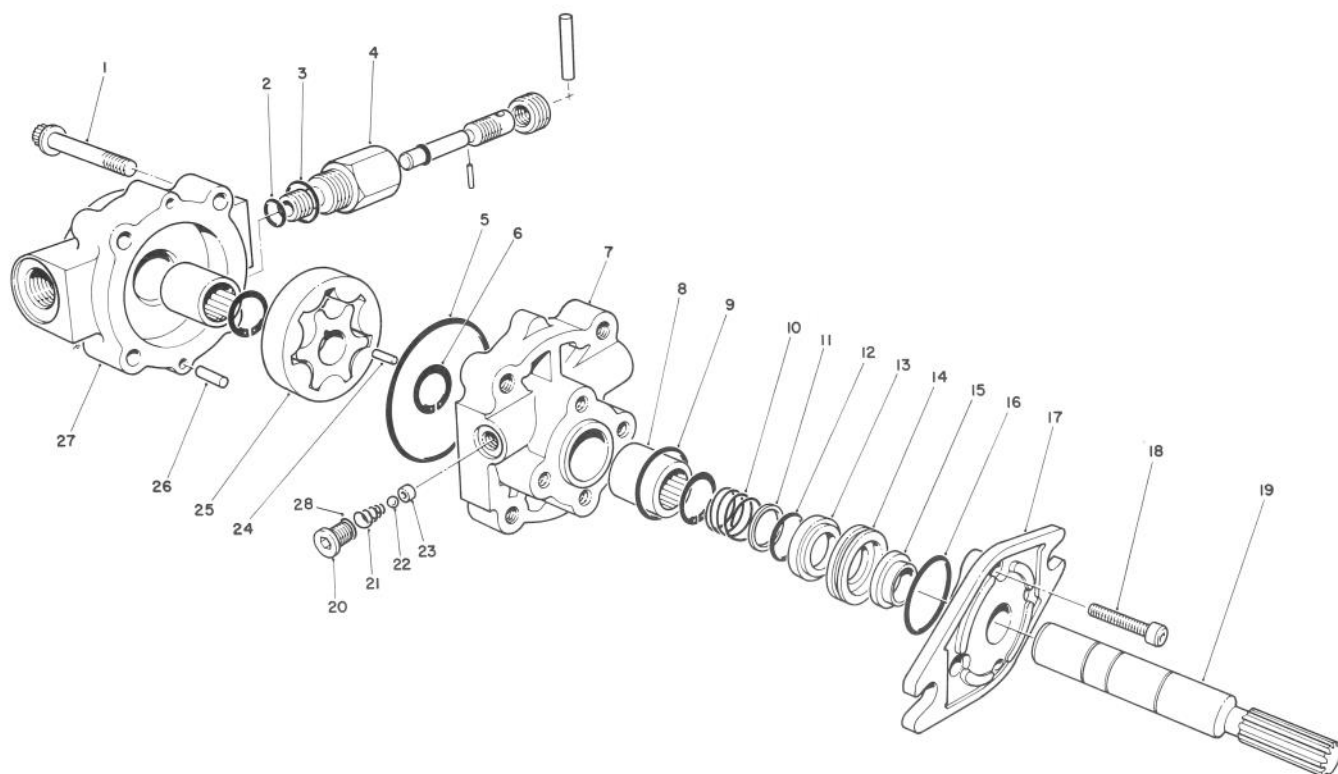


T-0318A

BACKLAPPING KIT NO. 63-4960 (Cont.) No. 3 Cutting Unit

Ref. No.	Part No.	Description	No. Used
1	237-42	O-Ring	6
2	70-9950	Hose Assembly - Return (Incl. Ref. #1)	1
3	70-9940	Hose Assembly - Pressure (Incl. Ref. #1 & 9)	1
4	353-934	Coupling	2
5	237-142	O-Ring	2

6	353-933	Coupling	2
7	54-9540	Fitting - 90° Adjustable El. (Incl. Ref. #1)	2
8	54-9620	Coupling - Quick Dscnct. (Incl. Ref. #4-6)	2
9	237-22	O-Ring	1



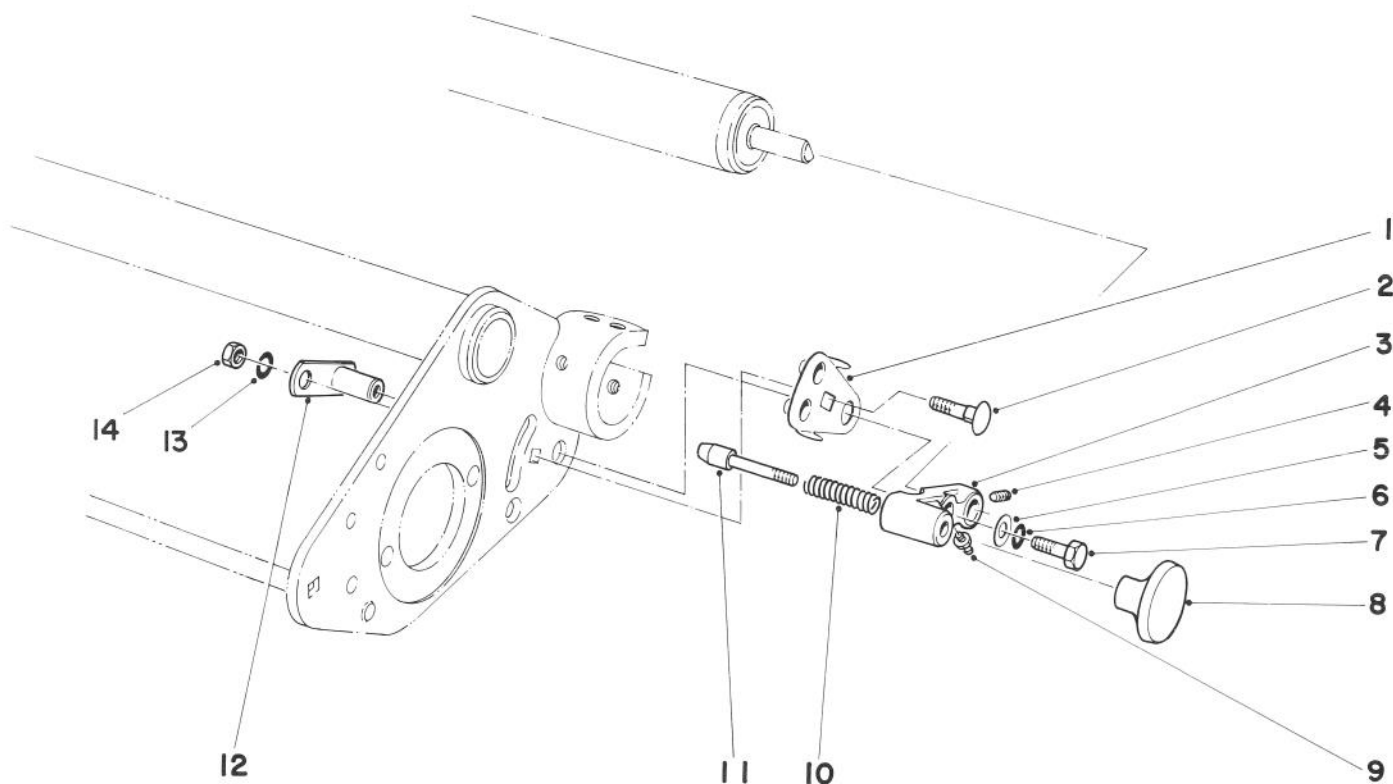
T-0319

BACKLAPPING KIT NO. 63-4960 (Cont.)

Ref. No.	Part No.	Description	No. Used
1	353-892	Screw- 12 Pt.	4
2	353-850	O-Ring	1
3	353-914	O-Ring	1
4	54-9520	Valve - By-Pass (Incl. Ref. #2 & 3)	1
5		O-Ring	1
6	353-907	Ring - Retaining	3
7	353-895	Cover (Incl. Ref. #23)	1
8	353-910	Bearing - Needle	2
9		O-Ring	1
10	353-906	Spring	1
11	353-897	Washer-Seal	1
12		O-Ring	1
13	353-899	Cup- Seal	1
14		Seat-Seal	1
15		Seal-Block	1
16		O-Ring	1

Ref. No.	Part No.	Description	No. Used
17	353-900	Flange - Mounting	1
18	353-905	Screw	4
19	353-904	Shaft	1
20	353-911	Plug (Incl. Ref. #28)	2
21	353-912	Spring - Conical	2
22	353-664	Ball	2
23		Seat	2
24	353-893	Pin - Drive	1
25	353-909	Element - Gerotor	1
26	353-894	Pin - Dowel	2
27	353-891	Body	1
28	237-156	O-Ring	1
*	353-913	Bearing & Seal Kit (Incl. Ref. #58912-16)	1
*	54-9510	Motor & By-Pass Assy. (Complete)	3

*Not Illustrated



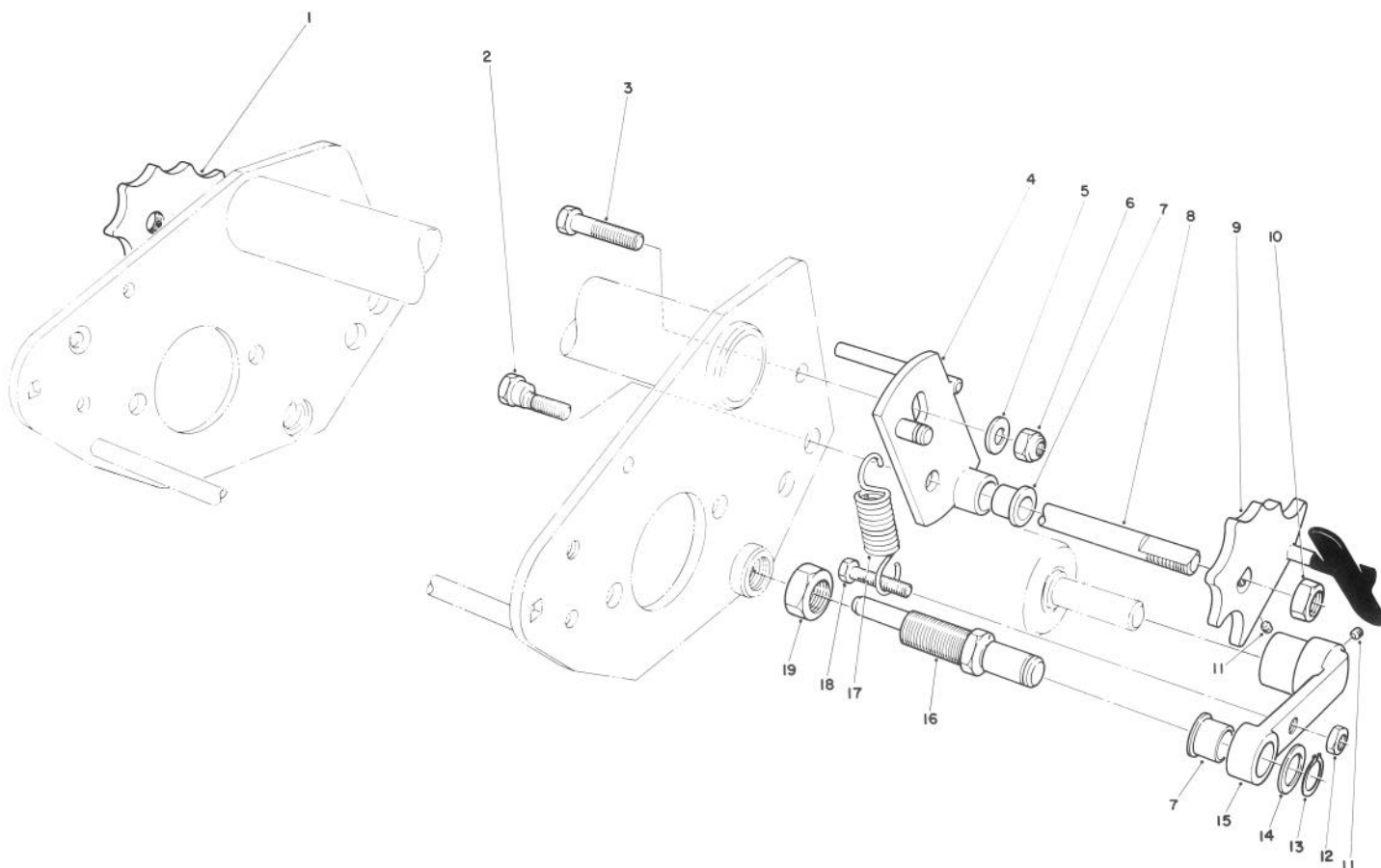
T-0320

QUICK HEIGHT-OF-CUT KIT NO. 29-5910 (CUTTING UNIT MODEL NO. 04405 & 04408)

Ref. No.	Part No.	Description	No. Used
1	10-5140	Adj. Plate - Height-of-Cut	6
2	3230-23	Bolt - Carriage	6
3	10-4870	Bracket Height-of-Cut	6
4	3245-7	Screw - Set	6
5	3256-2	Washer - Flat	6
6	3253-3	Washer - Lock	6
7	321-3	Screw - Cap, Hex. Hd.	6

Ref. No.	Part No.	Description	No. Used
8	233-28	Knob	6
9	302-18	Fitting - Grease	6
10	10-4850	Spring - Compression	6
11	10-4880	Pin - Height-of-Cut	6
12	20-4700	Pivot Pin	6
13	3253-4	Washer - Lock	6
14	3217-6	Nut - Hex.	6

Note: Use Rear Roller (21-8450 21-5/8" Lg.) with kit.



T-0321

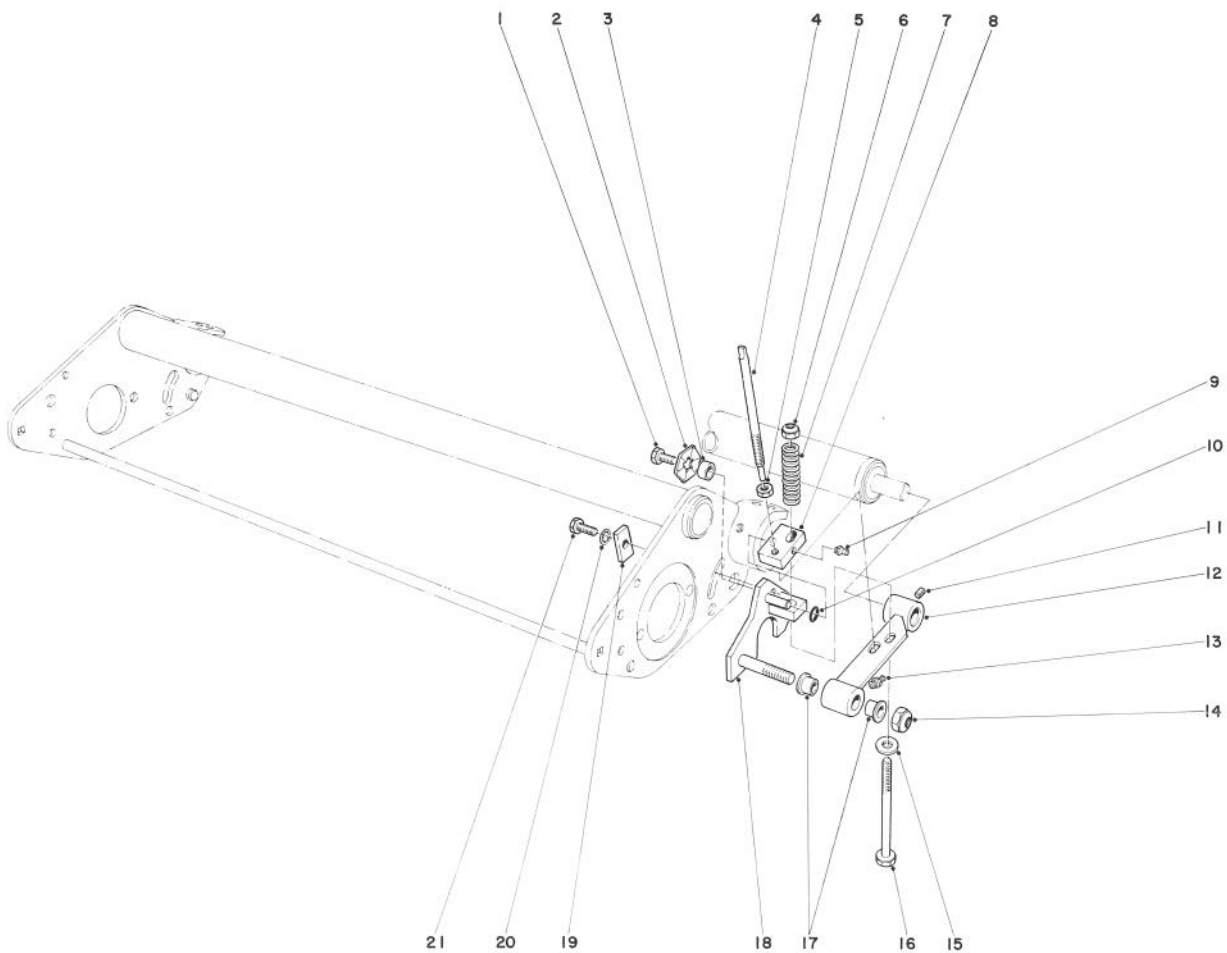
QUICK HEIGHT-OF-CUT SINGLE POINT ADJUST KIT MODEL NO. 04451 (Optional)

Ref. No.	Part No.	Description	No. Used
1	54-7190	Cam - Quick H.O.C.	3
†2	52-3100	Bolt - H.O.C. (L.H. Eccentric)	3
†*	52-3110	Bolt - H.O.C. (R.H. Shoulder)	3
†3	323-7	Screw - Cap, Hex Hd.	6
4	54-7250	Bracket - Quick H.O.C. (L.H.) (Incl. Ref. #7)	3
*	54-7120	Bracket - Quick H.O.C. (R.H.) (Incl. Ref. #7)	3
†5	3256-24	Washer - Flat	12
†6	3296-39	Nut - Lock	12
7	256-155	Bushing - Flange	12
8	54-7180	Shaft-Cam	3
9	54-7240	Cam - Quick H.O.C. (L.H. & Center)	2

Ref. No.	Part No.	Description	No. Used
*	54-7200	Cam - Quick H.O.C. (R.H.)	1
10	32153-7	Nut - Lock	6
11	3290-125	Screw - Set	12
12	3218-2	Nut - Jam	6
13	32120-3	Ring - Snap	6
14	36-4780	Washer	6
15	54-7140	Pull Arm Assembly (Incl. Ref. #7)	6
16	54-7300	Bolt - Bedbar (L.H. Eccentric)	3
*	54-7310	Bolt - Bedbar (R.H. Shoulder)	3
17	54-7170	Spring - Extension	6
18	322-9	Screw - Cap, Hex Hd.	6
†19	3220-6	Nut - Lock	6

*Not Illustrated

†Items NOT included in kit obtain from existing cutting unit.



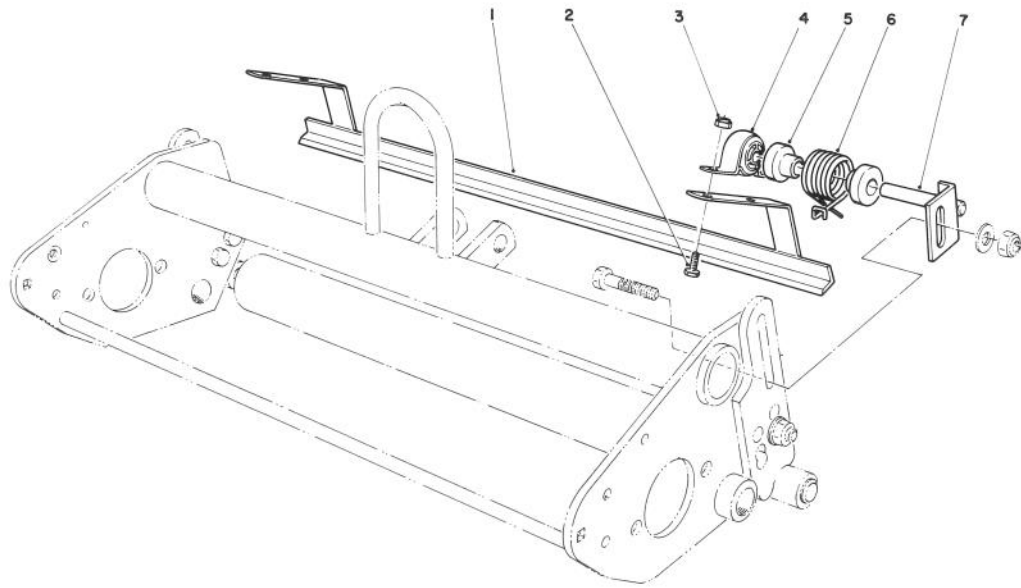
T-0322

VARIABLE QUICK HEIGHT-OF-CUT KIT NO. 24-9400 (Optional)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-2	Screw - Cap, Hex. Hd.	2	*	24-9340	Pivot Arm R.H. (Incl. Ref. #13 & 17)	1
2	3290-238	Washer - Lock	2	13	302-5	Fitting - Grease	2
3	24-9200	Spacer - Mounting	2	14	3296-44	Nut - Lock	2
4	24-9260	Rod - Adjustment	2	15	3256-23	Washer - Flat	2
5	3218-2	Nut - Jam	2	16	322-23	Screw - Cap, Hex. Hd.	2
6	3296-29	Nut - Lock	2	17	256-116	Bushing	4
7	24-9370	Spring - Compression	2	18	24-9320	Base Plate L.H.	1
8	24-9220	Pivot Plate	2	*	24-9310	Base Plate R.H.	1
9	302-22	Fitting - Grease	2	19	24-9240	Washer	2
10	237-21	O-Ring	2	20	3254-2	Washer - Lock	2
11	3245-1	Screw - Set	2	21	322-3	Screw - Cap, Hex. Hd.	2
12	24-9330	Pivot Arm L.H. (Incl. Ref. #13 & 17)	1				

*Not Illustrated

Note: Use Rear Roller (21-8450 21-5/8" Lg.) with kit.



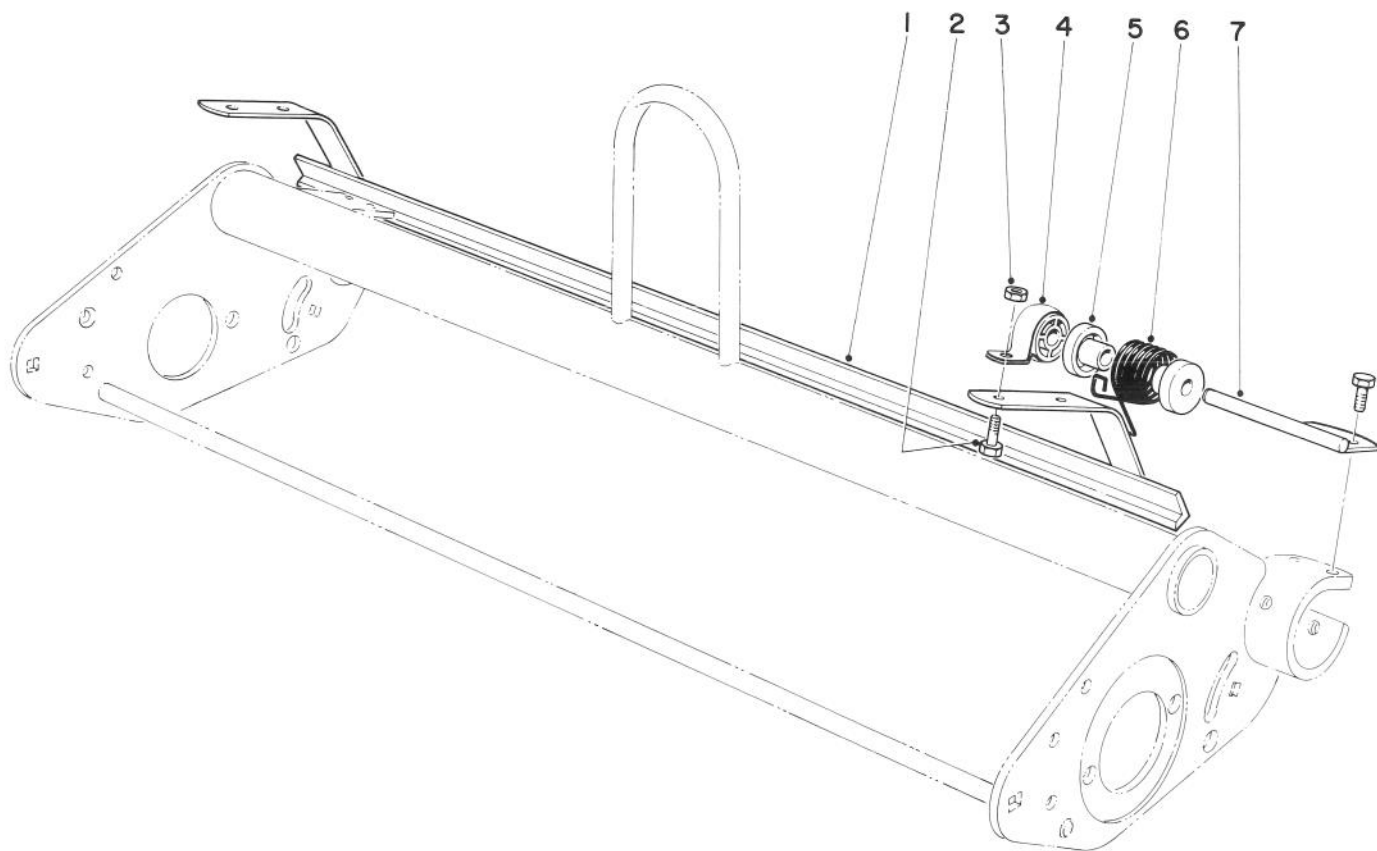
T-0323

ROLLER SCRAPER (S.P.A.) KIT NO. 53-9240 (Optional)

Ref. No.	Part No.	Description	No. Used
1	42-4800	Scraper Bar	1
2	321-3	Screw - Cap, Hex. Hd.	4
3	32152-4	Nut - Lock	4
4	256-239	Bearing	2

Ref. No.	Part No.	Description	No. Used
5	19-9560	Spring Spacer	4
6	19-9540	Spring L.H.	1
*	19-9550	Spring R.H.	1
7	53-9250	Bracket - Scraper Mount	2

*Not Illustrated



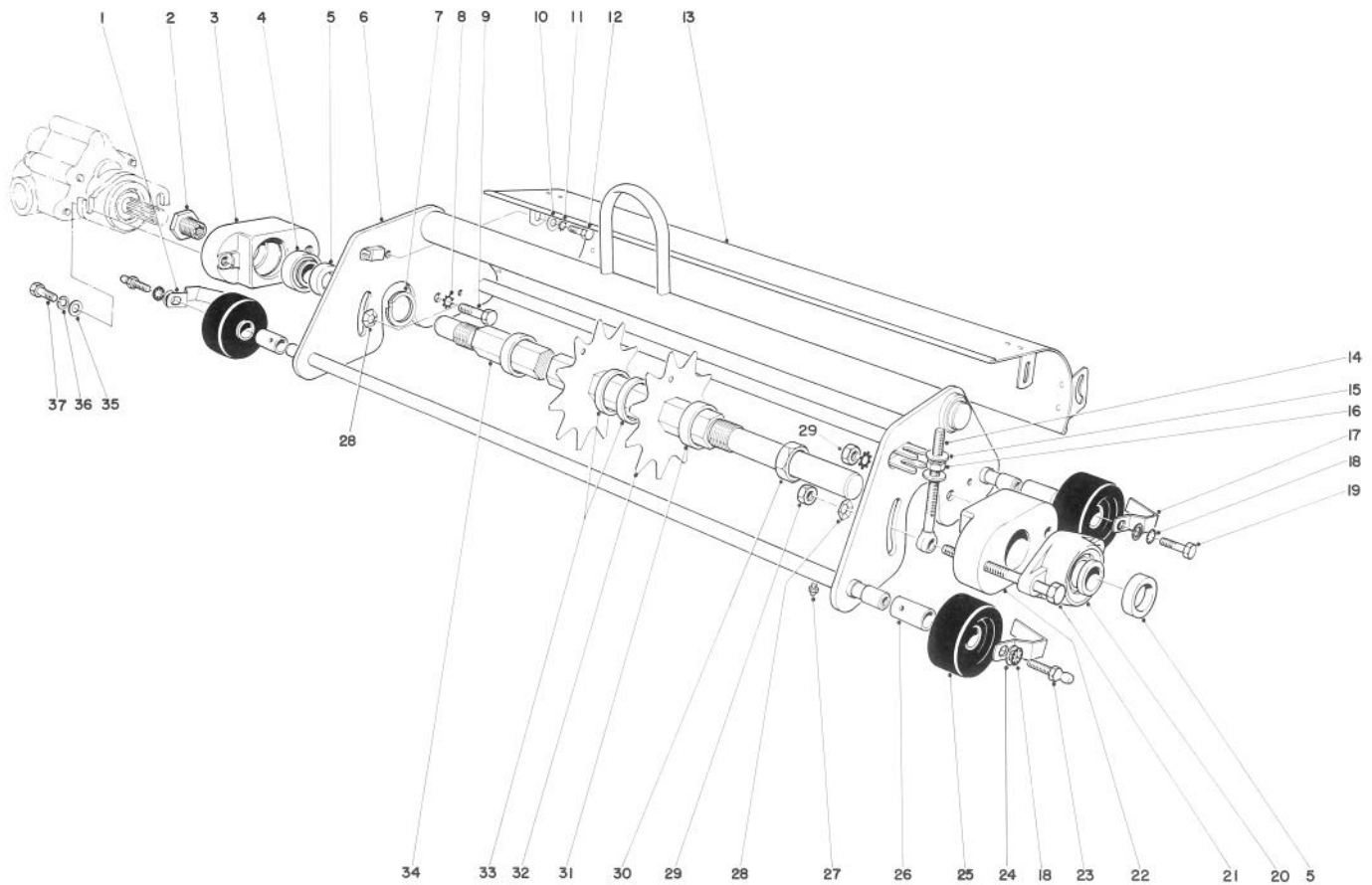
T-0324

ROLLER SCRAPER KIT NO. 42-4820 (Optional)

Ref. No.	Part No.	Description	No. Used
1	42-4800	Scraper Bar	1
2	321-3	Screw - Cap, Hex. Hd.	8
3	32152-4	Nut - Lock	4
4	256-239	Bearing	2
5	19-9560	Spring Spacer	4

Ref. No.	Part No.	Description	No. Used
6	19-9540	Spring L.H.	1
*	19-9550	Spring R.H.	1
7	42-4780	Scraper Mount L.H.	1
*	42-4790	Scraper Mount R.H.	1

*Not Illustrated



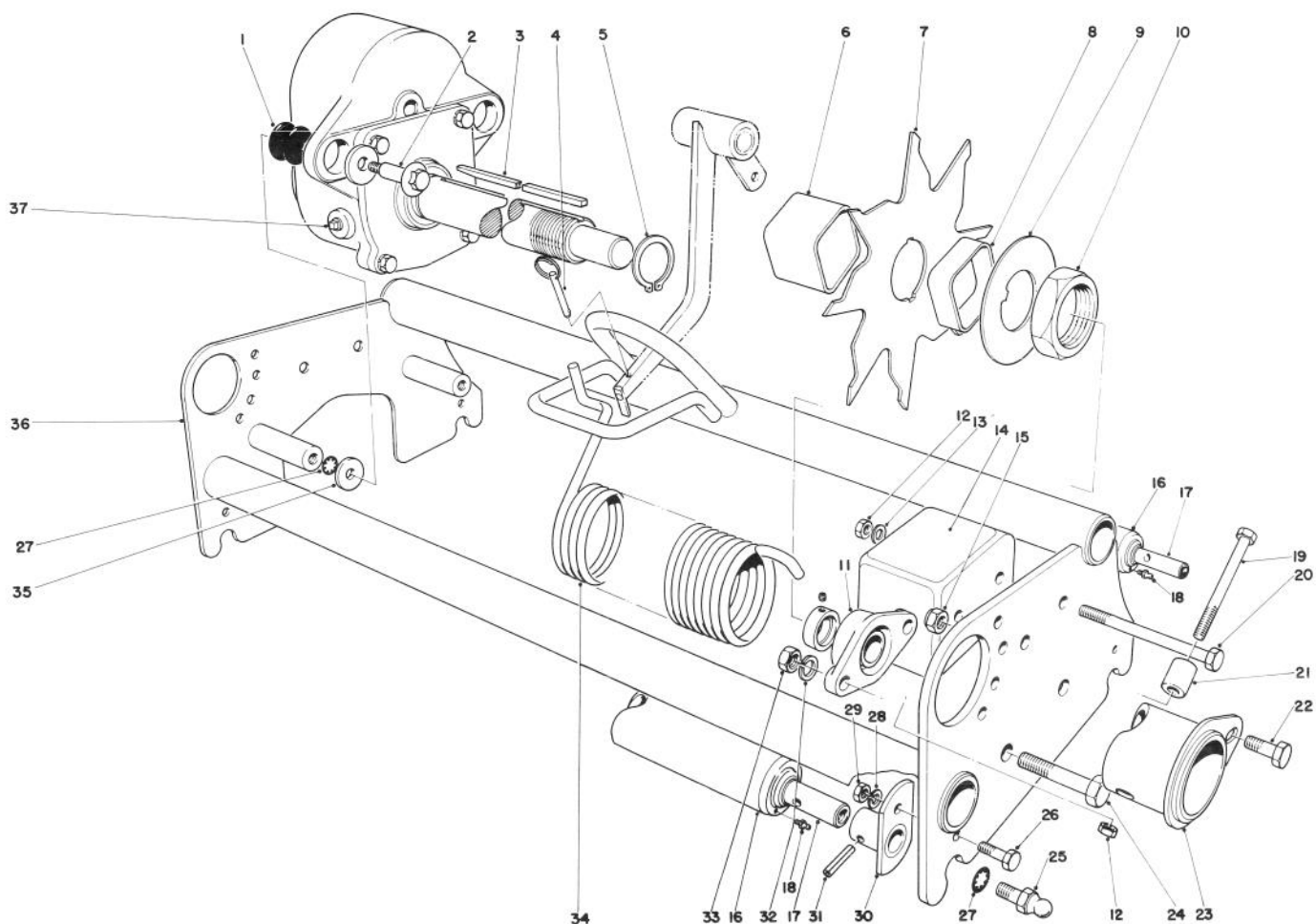
T-0325

THATCHING REEL ATTACHMENT MODEL NO. 04416 (Optional)

Ref. No.	Part No.	Description	No. Used
1	17-1650	Scraper - Wheel R.H.	2
2	10-5100	Nut - Spline	1
3	17-1610	Housing - Bearing	1
4	251-206	Bearing	1
5	251-77	Lock Collar	2
6	17-1450	Frame W.A.	1
7	32120-77	Ring -Retaining	1
8	3255-16	Washer - Lock, Ext. Tooth	2
9	324-6	Screw - Cap, Hex. Hd.	2
10	3256-22	Washer - Flat	4
11	3255-7	Washer - Lock, Ext. Tooth	4
12	329-1	Screw - Cap, Hex. Hd.	4
13	17-1530	Grass Shield	1
14	17-1510	Eye Bolt	2
15	17-1710	Washer	4
16	3217-7	Nut - Hex.	2
17	17-1640	Scraper-Wheel L.H.	2
18	3254-6	Washer - Lock, Ext. Tooth	4
19	3211-3	Screw - Cap, Hex. Hd.	2
20	251-247	Housing - Bearing	1

Ref. No.	Part No.	Description	No. Used
21	324-13	Screw - Cap, Hex. Hd.	2
22	17-1520	Counterweight	1
23	2411-7	Ball Stud	2
24	3256-3	Washer - Flat	4
25	17-1630	Wheel	4
26	17-1620	Bushing - Wheel	4
27	302-5	Fitting -Grease	4
28	3290-334	Washer - Lock, Pyramidal	2
29	3217-8	Nut - Hex.	2
30	3220-18	Nut - Jam	2
31	17-1580	Spacer	2
32	17-1590	Blade	37
33	17-1600	Spacer	72
34	17-1570	Shaft Hex	1
35	3256-24	Washer - Flat	2
36	3255-9	Washer - Lock	2
37	323-6	Screw - Cap, Hex. Hd.	2
*	17-2290	Gauge .060	2
*	17-2300	Gauge .120	2
*	17-2310	Gauge .250	2

*Not Illustrated



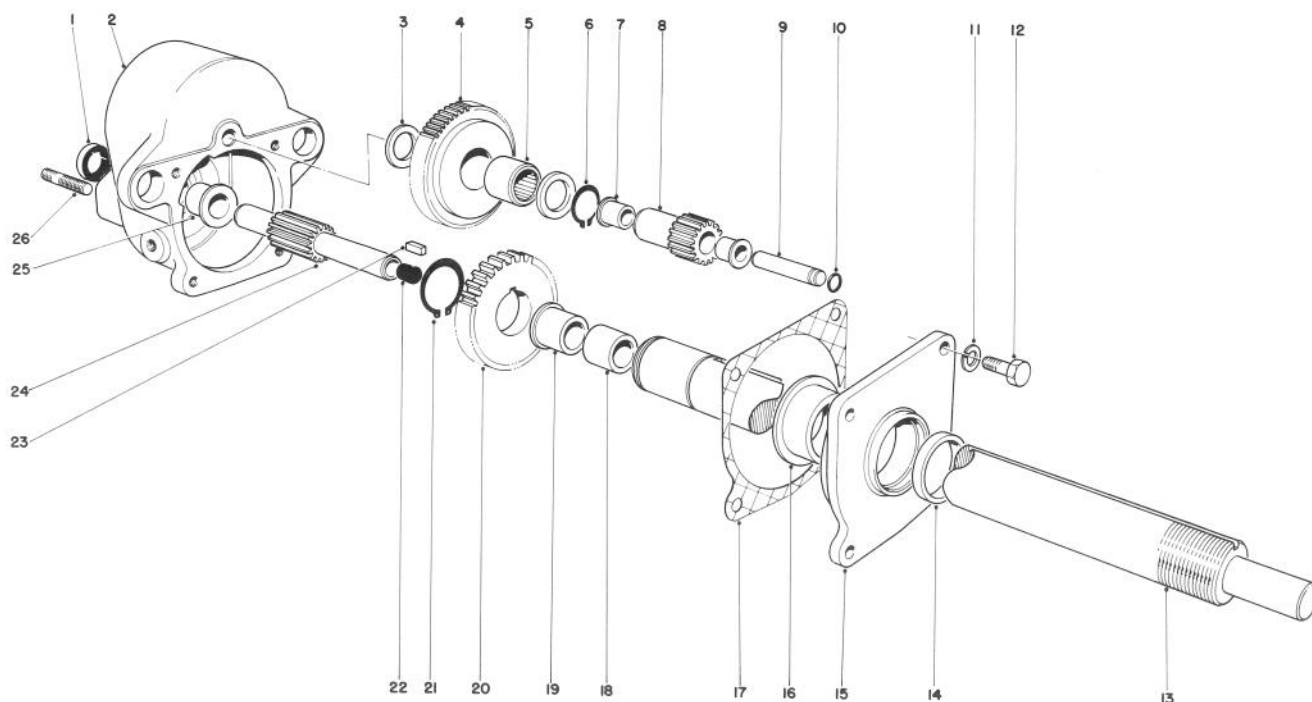
T-0326

SPIKER ATTACHMENT MODEL NO. 04420 (Optional)

Ref. No.	Part No.	Description	No. Used
1	237-90	Grommet	2
2	56-6590	Bolt	2
3	20-7370	Key - Square	1
4	21-9110	Ball Lock Pin	1
5	32151-44	Ring - Retaining	1
6	20-7390	Spacer	9
7	20-7380	Blade	10
8	20-7400	Spacer	1
9	20-7790	Washer	1
10	3218-17	Nut - Nut	1
11	251-247	Bearing Assembly	1
12	3296-39	Nut - Lock	3
13	3256-4	Washer - Flat	2
14	20-7720	Counter-Weight	1
15	3296-47	Nut - Lock	1
16	52-3170	Roller Assembly (Complete)	2
		(Incl. Ref. #17 & 18)	
17	52-3180	Front Roller Bearing	4
18	302-5	Fitting - Grease	4

Ref. No.	Part No.	Description	No. Used
19	323-15	Screw - Cap, Hex. Hd.	1
20	323-11	Screw - Cap, Hex. Hd.	2
21	20-7530	Spacer	1
22	322-3	Screw - Cap, Hex. Hd.	1
23	20-7540	Spring Tube	1
24	324-6	Screw - Cap, Hex. Hd.	2
25	2411-7	Ball Stud	2
26	321-4	Screw - Cap, Hex. Hd.	4
27	3254-6	Washer - Lock, Int. Tooth	4
28	3253-3	Washer - Lock	4
29	3217-5	Nut - Hex.	4
30	20-7570	Roller Mounting Bracket	4
31	32121-16	Pin - Roll	4
32	3255-16	Washer - Lock	2
33	3217-8	Nut - Hex.	2
34	20-7520	Spring	1
35	20-7510	Spacer	4
36	20-7420	Frame	1
37	281-2	Plug - Pipe	1
*	21-6000	Spiker Depth Gauge	1

*Not Illustrated

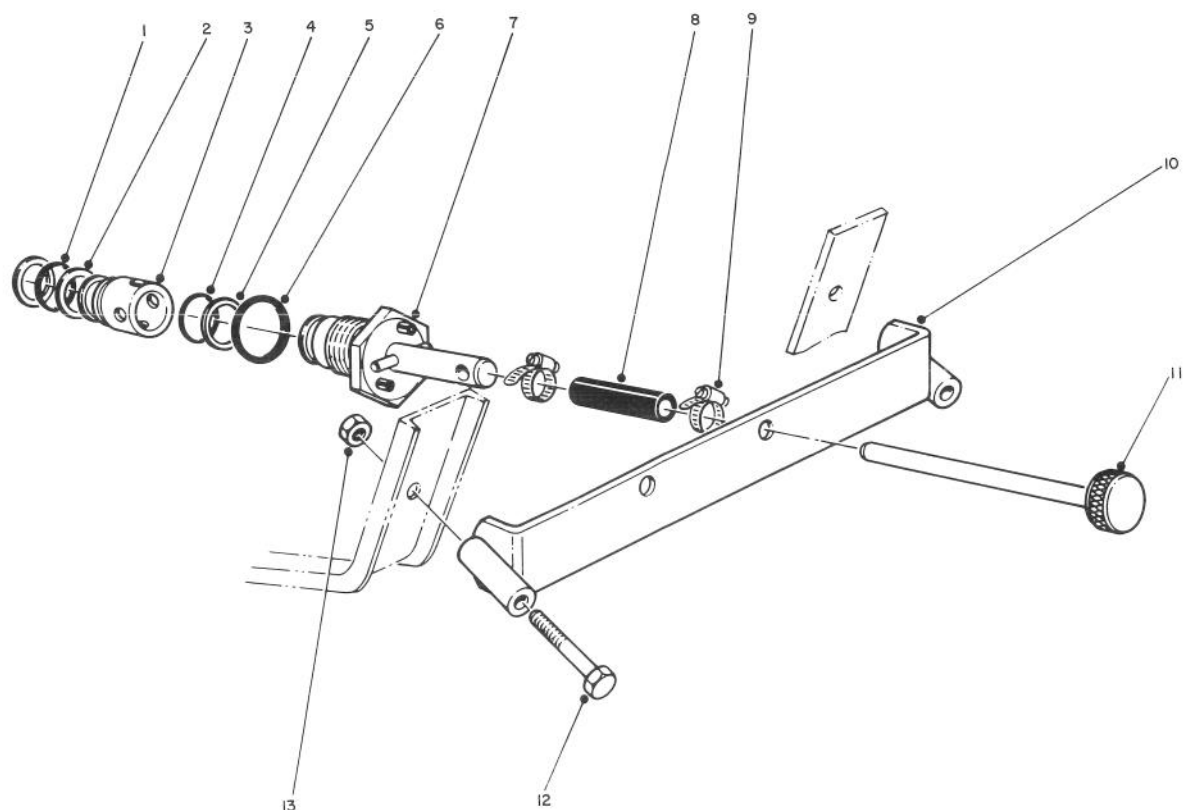


T-0327

SPIKER ATTACHMENT MODEL NO. 04420 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	253-131	Seal	1
2	53-9960	Housing Assembly (Incl. Ref. #1 & 25-26)	1
3	256-115	Washer - Thrust	2
4	20-7850	Gear 64T	1
5	352-284	Bearing	1
6	32151-29	Ring - Retaining	1
7	256-243	Bushing	2
8	20-7690	Gear 15T (Incl. Ref. #7)	1
9	20-7330	Countershaft	1
10	237-22	O-Ring	1
11	3253-4	Washer - Lock	4
12	322-5	Screw - Cap, Hex. Hd.	4
13	23-5150	Shaft Assembly	1

Ref. No.	Part No.	Description	No. Used
14	253-130	Seal	1
15	20-7700	Cover Assembly (Incl. Ref. #14 & 16)	1
16	20-7740	Bushing	1
17	20-7410	Gasket	1
18	256-27	Bushing	1
19	256-117	Bushing	1
20	20-7820	Gear 45T	1
21	32151-35	Ring - Retaining	1
22	2410-34	Plug	1
23	20-7360	Key	1
24	20-7750	Gear 16T	1
25	256-244	Bushing	1
26	20-7350	Stud	2

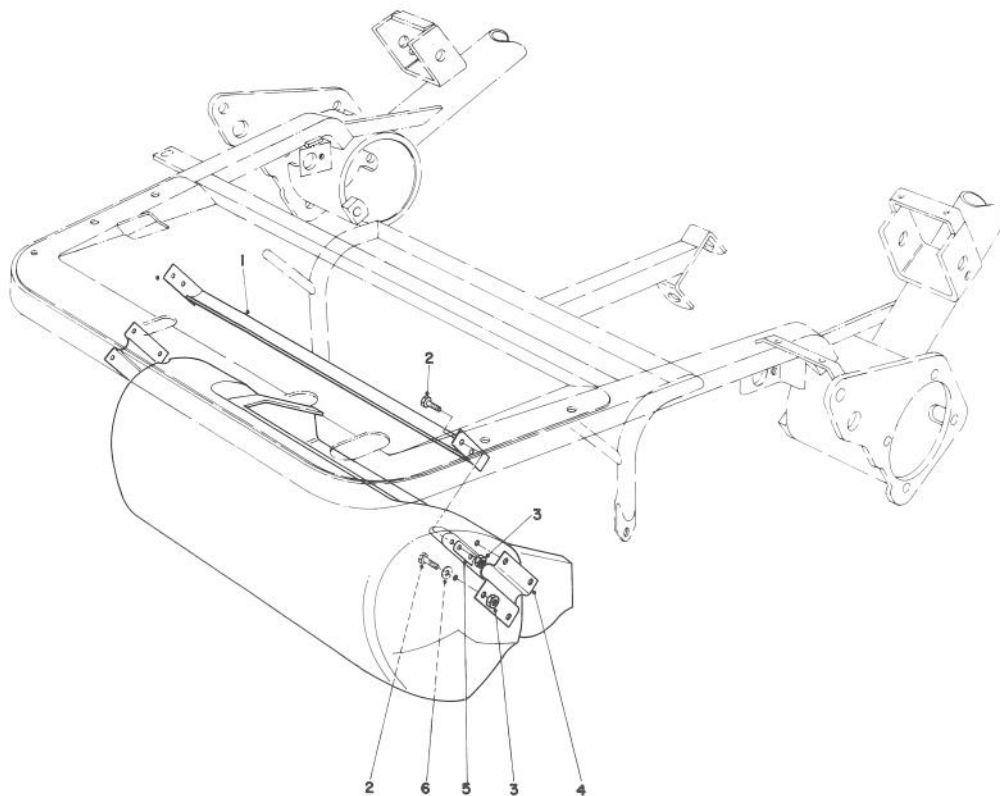


T-0328

REEL SHUTOFF KIT NO. 28-2150 (Optional)

Ref. No.	Part No.	Description	No. Used
1	353-302	O-Ring	2
2	353-303	Back-Up Seal	4
3	353-484	Check (Incl. Ref. #1 & 2)	2
4	353-305	O-Ring	2
5	353-306	Washer - Backup	2
6	237-54	O-Ring	2

Ref. No.	Part No.	Description	No. Used
7	353-503	Shutoff Valve Set (2 Valves Per Set) (Incl. Ref. #1-6)	1
8	18-2400	Hose - Rubber	2
9	2412-45	Hose Clamp	4
10	28-2070	Front Bracket	1
11	20-2210	Knob Assembly	2
12	321-10	Screw - Cap, Hex. Hd.	2
13	3217-5	Nut - Hex.	2

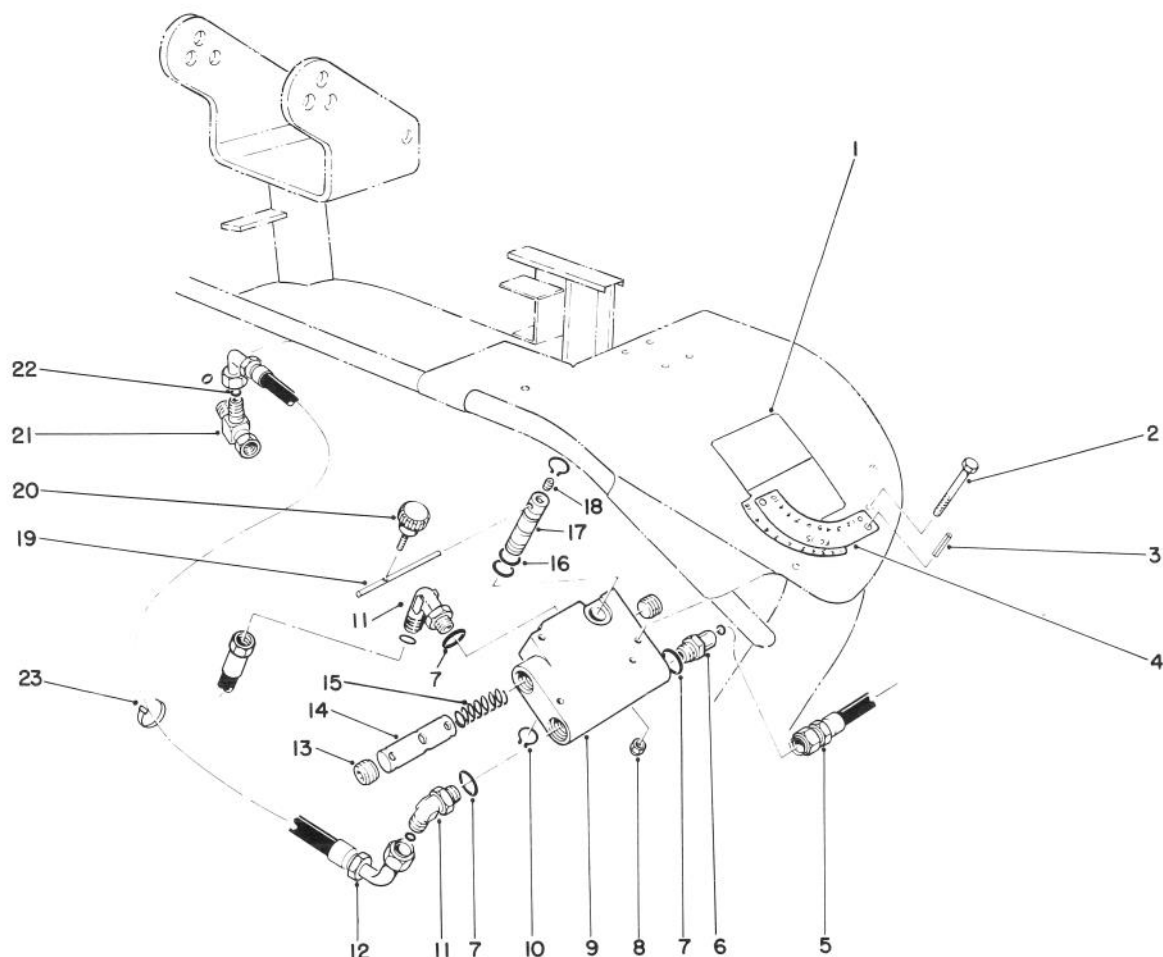


T-0333

BASKET REINFORCEMENT KIT NO. 26-0900 (Optional)

Ref. No.	Part No.	Description	No. Used
1	26-0930	Lift - Support	3
2	321-2	Screw - Cap, Hex. Hd.	36
3	32153-4	Nut - Lock	36

Ref. No.	Part No.	Description	No. Used
4	26-0940	Wear Plate	6
5	26-0950	Plate - Dished	6
6	3256-2	Washer - Flat	24

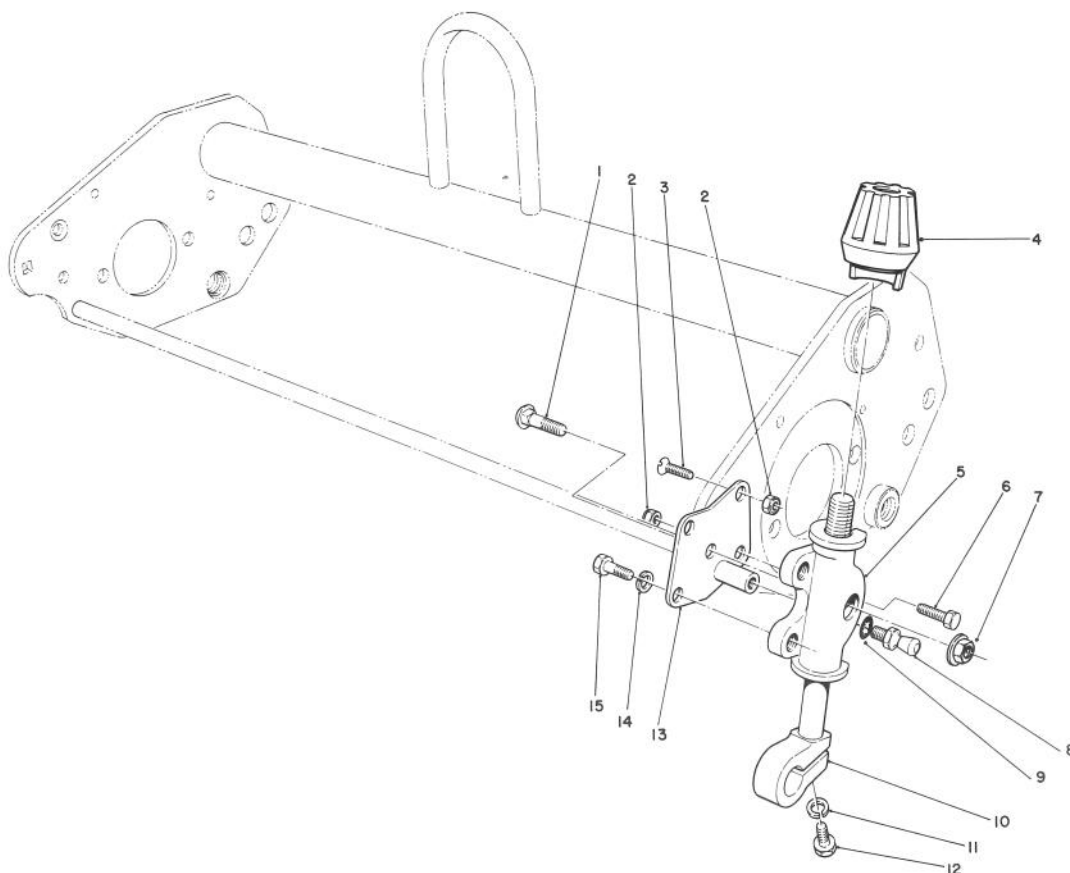


T-0334

VARIABLE TRACTION CONTROL KIT MODEL NO. 04411 (Optional)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	74-3490	Decal - Traction Control	1	13	49-0300	Plug - Pipe	2
2	321-33	Screw - Cap Hex Hd.	2	14	49-0370	Spool - Metering	1
3	32121-4	Pin - Roll, Slotted	2	15	49-0340	Spring - Metering	1
4	49-0320	Plate - Dial	1	16	237-54	O-Ring	2
5	63-4250	Hose - Hydraulic (Pressure)	1	17	66-1660	Spool - Lever Side	1
6	340-89	Elbow - 45° (Incl. Ref. #7)	2	18	3274-42	Screw - Set Hex Socket	1
7	237-80	O-Ring	3	19	49-0350	Handle	1
8	3296-56	Nut - Lock	2	20	49-0360	Screw - Thumb	1
9		Body - Main	1	21	340-104	Tee - Swivel Run	1
10	32120-76	Ring - Snap	2	22	237-30	O-Ring	5
11	340-105	Elbow - 90° Adjustable	1	23	3290-378	Tie - Cable	2
12	63-4210	Hose - Hydraulic (Return)	1	*	47-6640	Valve Flow Control (Incl. Ref. #3, 4, 9, 10 & 13-20)	1

*Not Illustrated



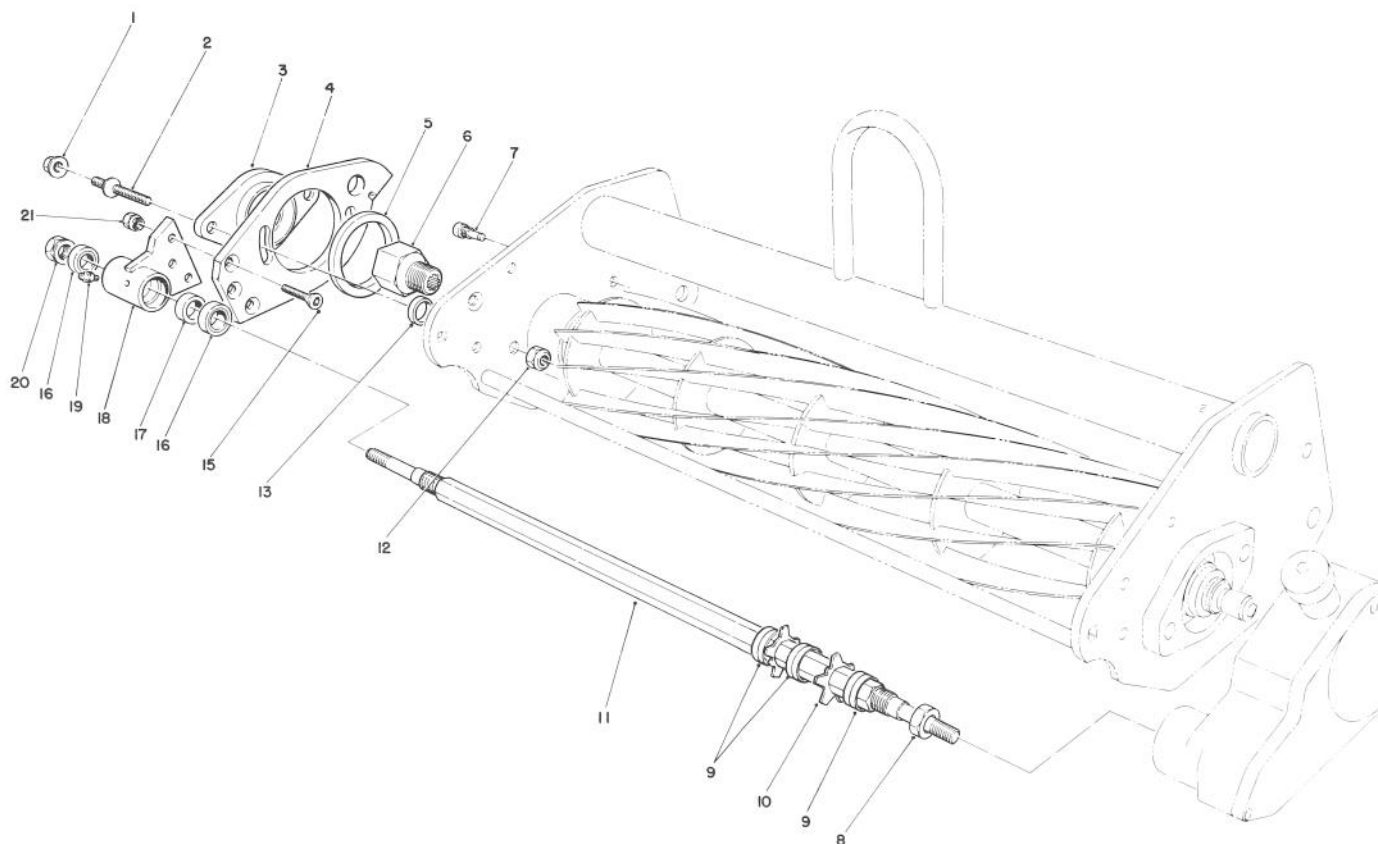
T-0329A

8 & 11 BLADE CUTTING UNITS w/GROOMER MODEL NO. 04460 & 04465

Ref. No.	Part No.	Description	No. Used
1	3230-5	Bolt - Carriage	2
2	3296-47	Nut - Lock	4
3	32108-20	Screw - Mach. Flat Hd.	2
4	65-8600	Knob - Height Adjustment	2
5	65-9490	Bracket - HOC	2
6	322-3	Screw - Cap, Hex. Hd.	2
7	32128-25	Nut - Hex. Flange	2
8	2411-7	Stud - Ball	2

Ref. No.	Part No.	Description	No. Used
9	3254-6	Washer - Lock, Int. Tooth	2
10	65-9500	Screw - Roller Adjustment	2
11	3253-3	Washer - Lock	2
12	321-4	Screw - Cap, Hex. Hd.	2
13	65-9530	Roller Extension W.A.- LH	1
*	65-9460	Roller Extension W.A.- RH	1
14	3253-4	Washer - Lock	4
15	322-2	Screw - Cap, Hex. Hd.	4

*Not Illustrated

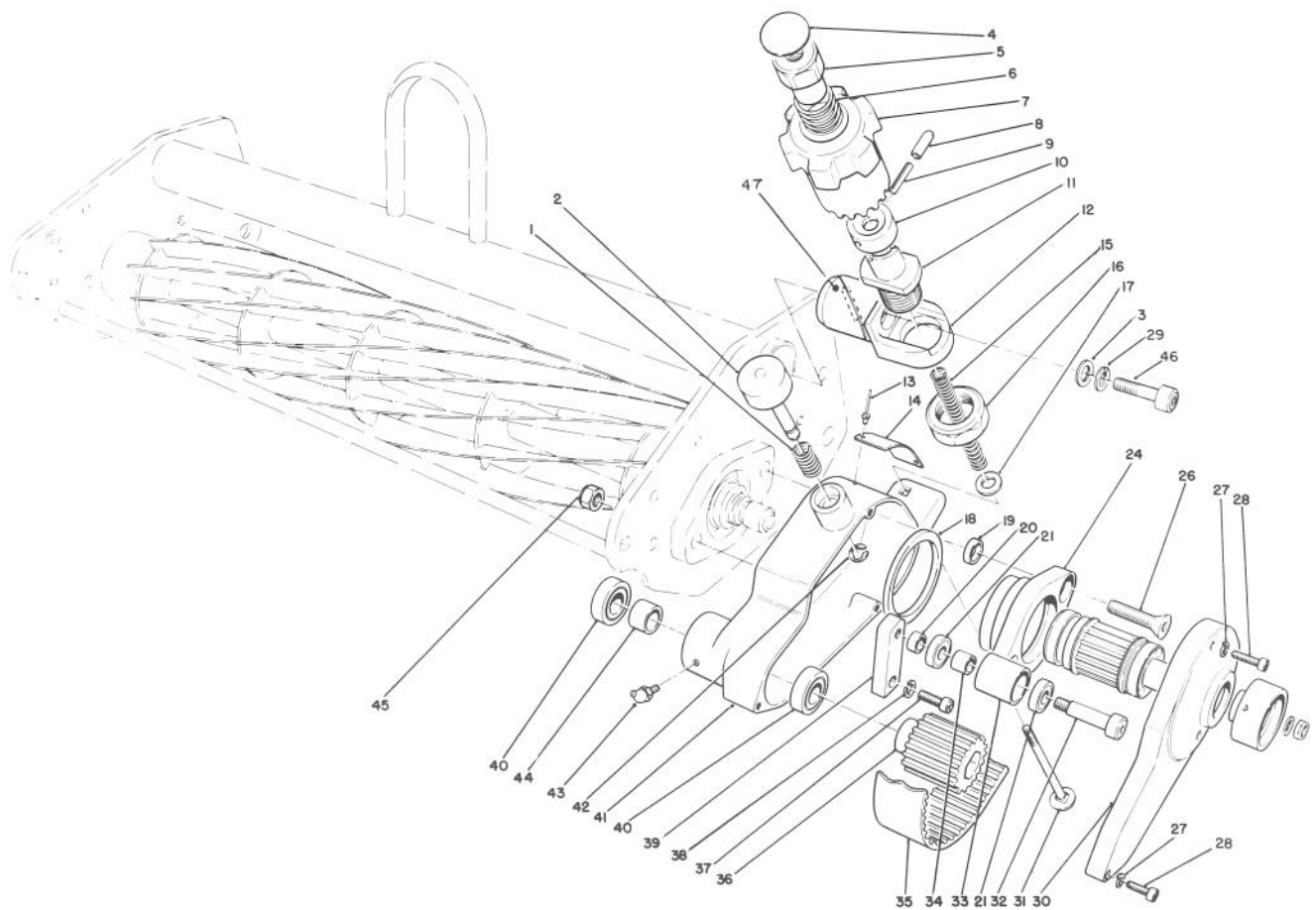


T-0330

8 & 11 BLADE CUTTING UNITS w/GROOMER MODEL NO. 04460 & 04465 (Continued)

Ref. No.	Part No.	Description	No. Used
1	32128-36	Nut - Flange	2
2	65-9970	Stud	2
3	65-9350	Adapter	1
4	65-9230	Plate - Side	1
5	65-9860	Bearing	1
6	77-0560	Nut - Splined	1
7	65-9960	Screw - Pivot	2
8	3296-60	Nut - Lock	2
9	70-1350	Spacer (41 Blade Reel)	84
10	70-1170	Blade (41 Blade Reel)	41
11	75-9980	Shaft	1

Ref. No.	Part No.	Description	No. Used
12	32152-2	Nut - Lock	2
13	65-9820	Spacer	2
15	3289-21	Screw - Hex. Soc. Fl. Hd.	3
16	251-327	Bearing - Ball	2
17	65-9300	Spacer	1
18	65-9220	Housing - Bearing	1
19	302-5	Fitting - Grease	1
20	3296-62	Nut	1
21	3296-4	Nut - Lock	3
22	3254-6	Washer - Lock, Int. Tooth	2

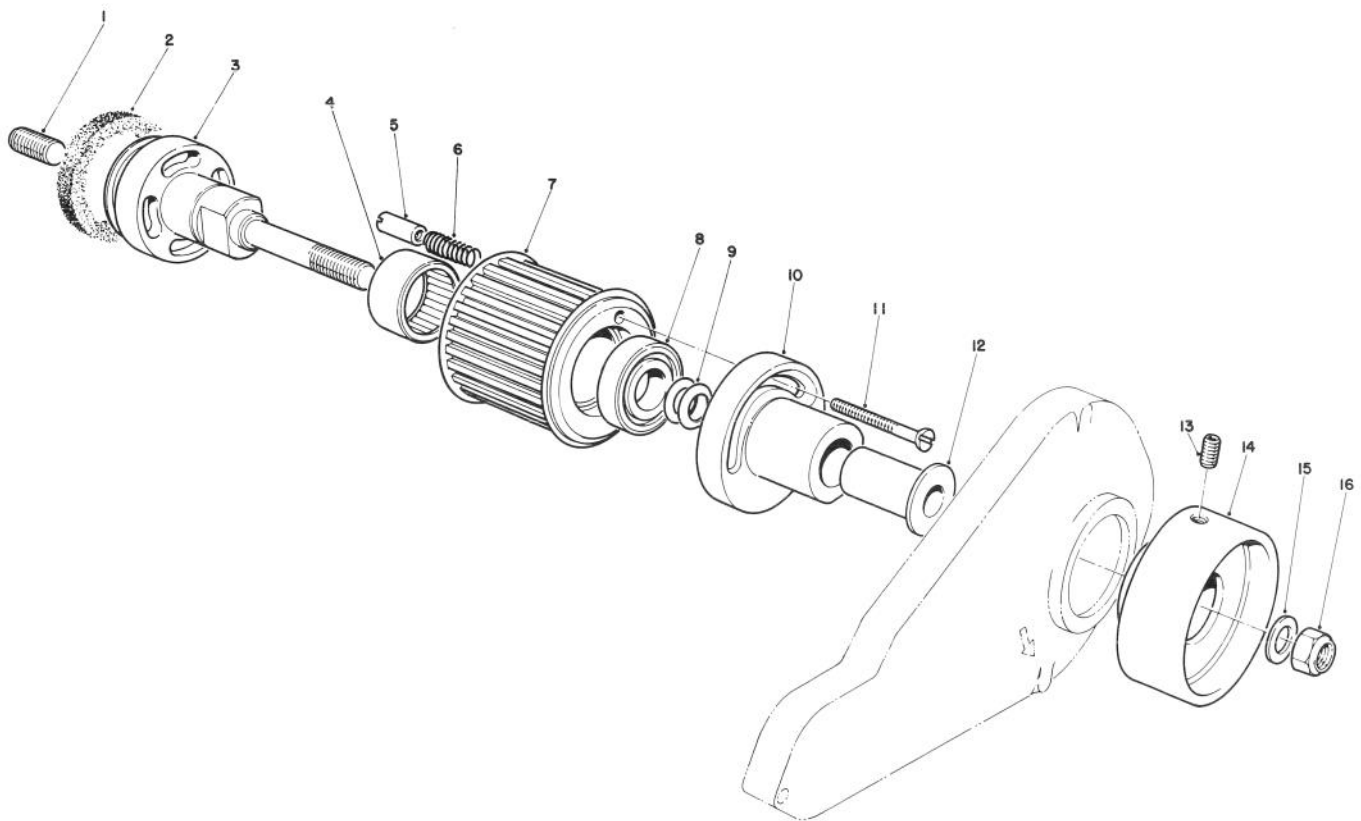


T-0651

8 & 11 BLADE CUTTING UNITS w/GROOMER MODEL NO. 04460 & 04465 (Continued.)

Ref. No.	Part No.	Description	No. Used
1	65-9940	Spring	1
2	65-9930	Cap	1
3	3256-74	Washer - Flat	1
4	284-3	Plug - Expansion	2
5	65-9670	Driver	2
6	65-9580	Spring	2
7	65-9560	Adj. Knob Assembly (Incl. Ref. #4-7)	2
8	2410-68	Cover - Pin	2
9	32121-15	Pin - Roll	2
10	65-9550	Cap	2
11	65-9830	Ramp	2
12	70-7470	Block - Mounting (Modified)	2
13	3290-271	Rivet - Pop	2
14	65-9950	Plate - Caution	1
15	65-9810	Spring	2
16	3296-49	Nut - Lock	2
17	3256-24	Washer - Flat (LH Side)	1
*	65-9850	Washer (RH Side)	1
18	65-9860	Bearing	1
19	65-9820	Spacer	2
20	65-9330	Spacer	1
21	251-328	Bearing	2

Ref. No.	Part No.	Description	No. Used
24	65-9350	Adapter	1
26	3289-19	Screw - Flat Hd. Socket	2
27	3253-12	Washer - Lock	3
28	3274-13	Screw - Cap, Soc. Head	3
29	3253-4	Washer - Lock	2
30	65-9710	Cover - Belt	1
31	65-9890	Bolt - Carriage	1
32	65-9340	Screw - Shoulder	1
33	65-9320	Idler - Pulley	1
34	65-9980	Spacer - Pulley, Idler	1
35	65-9700	Belt	1
36	65-9290	Pulley - Driven	1
37	3274-22	Screw - Cap, Hex. Soc.	1
38	3253-4	Washer - Lock	1
39	65-9310	Block - Idler	1
40	251-327	Bearing	2
41	65-9270	Housing - Drive, Belt	1
42	32120-18	Ring - Retaining	1
43	302-11	Fitting - Grease	1
44	65-9300	Spacer - Pulley, Driven	1
45	32152-2	Nut - Lock	2
46	3274-86	Screw - Cap, Soc. Hd.	2
47	257-10	Washer	2

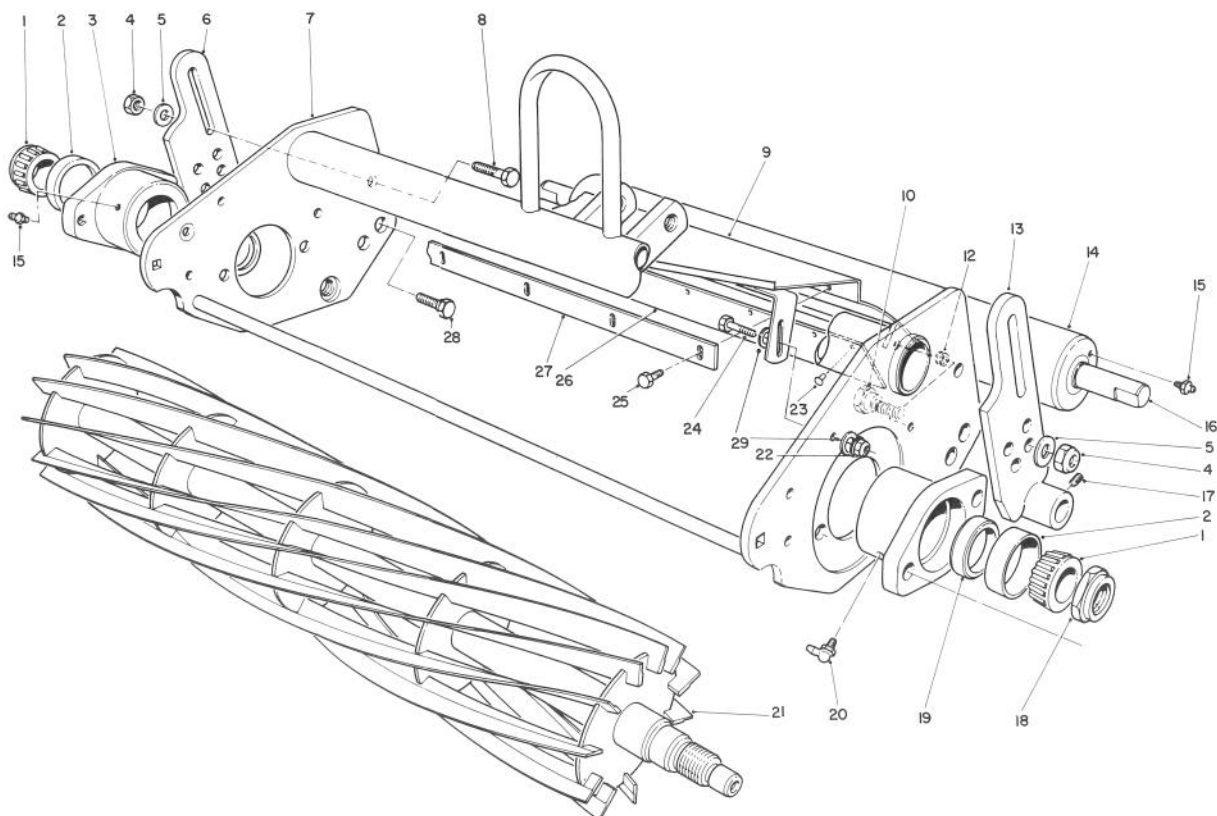


T-0322

8 & 11 BLADE CUTTING UNITS w/GROOMER MODEL NO. 04460 & 04465 (Continued)

Ref. No.	Part No.	Description	No. Used
1	75-9540	Screw - Set, Soc. Hd.	1
2	65-9900	Seal - Felt	1
3	65-9610	Adapter	1
4	252-110	Bearing - Needle	1
5	65-9660	Pin - Clutch	1
6	65-9670	Spring - Compression	1
7	65-9630	Pulley - Driver	1
8	251-327	Bearing - Roller	1

Ref. No.	Part No.	Description	No. Used
9	3290-480	Washer - Belleville	2
10	65-9640	Disc - Release, Clutch	1
11	65-9650	Screw - Special	1
12	256-300	Bushing - Flange	1
13	32110-13	Screw - Set	2
14	65-9680	Knob - Clutch	1
15	3256-24	Washer - Flat	1
16	3296-39	Nut - Lock	1



T-1124

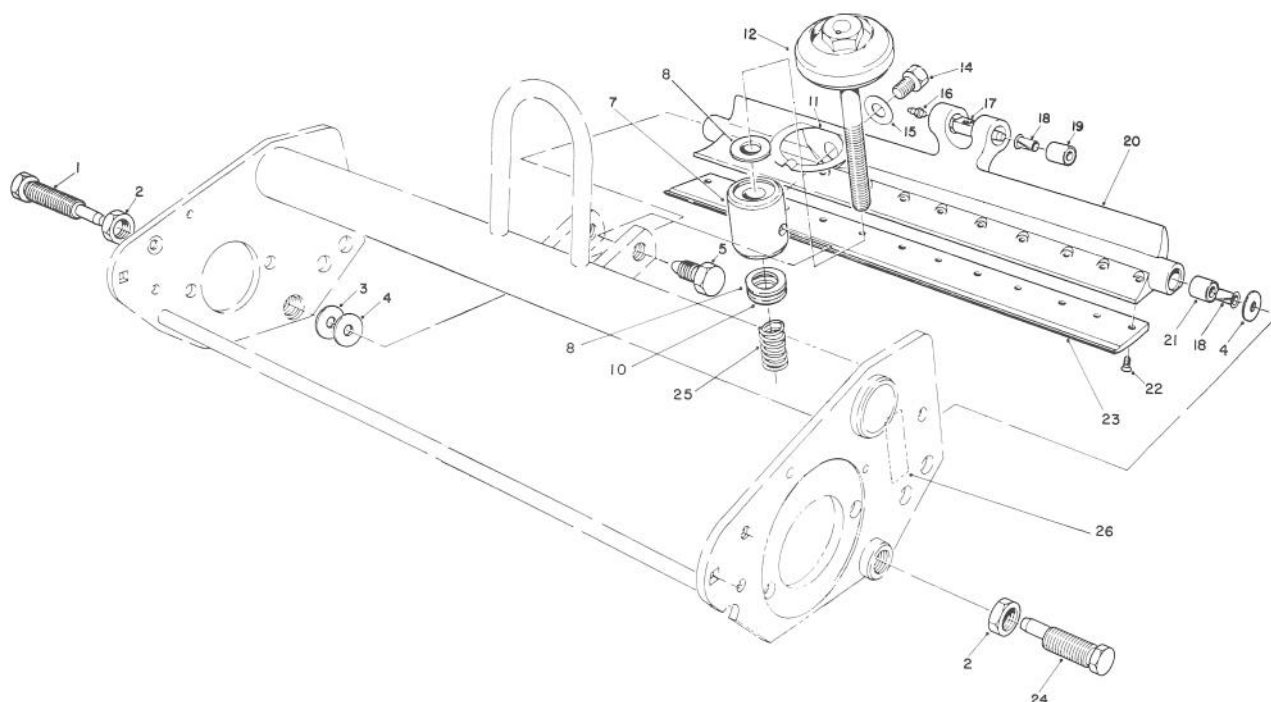
8 & 11 BLADE CUTTING UNITS w/GROOMER MODEL NO. 04460 & 04465 (Continued)

Ref. No.	Part No.	Description	No. Used
1	254-94	Cone - Bearing	2
2	254-72	Cup - Bearing	2
3	10-5120	Housing - Bearing	2
4	3296-39	Nut - Lock	4
5	3256-24	Washer - Flat	4
6	77-1060	HOC Adjustment - RH	1
7	70-1200	Frame - Reel	1
8	323-7	Screw - Cap, Hex. Hd.	2
9	57-5200	Grass Shield Assembly (Incl. Ref. #26 & 27)	1
10	52-3100	Bolt - Eccentric, HOC - LH	1
12	237-84	Grommet	2
13	77-1080	HOC Adjustment - LH	1
14	52-3120	Rear Roller Adjustment (Incl. Ref. #15 & 16)	1
15	302-5	Fitting - Grease	2
16	21-8430	Bearing - Roller, Rear	2
17	3246-2	Screw - Set	2
18	3296-60	Nut - Lock	1

Ref. No.	Part No.	Description	No. Used
19	253-96	Seal	2
20	302-11	Fitting - Grease	1
21	12-2789	Reel - 11 Blade (Model No. 04450)	1
*	12-3599	Reel 8 Blade (Model No. 04465)	1
22	3296-42	Nut - Lock	2
23	3295-46	Rivet	13
24	321-5	Screw - Cap, Hex. Hd.	2
25	32144-73	Screw - Self Tapping	5
26	57-5210	Flap - Shield	1
27	36-7260	Cut-Off Bar	1
28	52-3110	Bolt - Shoulder, HOC - RH	1
29	3256-22	Washer - Flat	4
*	13-8199	Bar Adj. Gauge (Includes †)	1
†	32122-2	Screw - Truss Head	1
†	3219-14	Nut	1
*‡		Brush - Backlapping	1

*Not Illustrated

*‡Special Tool Section page 52.



T-1125A

8 & 11 BLADE CUTTING UNITS w/GROOMER MODEL NO. 04460 & 04465 (Continued)

Ref. No.	Part No.	Description	No. Used
1	52-2930	Bolt - Shoulder, RH	1
2	3220-6	Nut - Hex. Jam	2
3	52-2860	Washer	1
4	52-2900	Washer - Poly	2
5	66-7240	Screw - Pivot, SPA	2
7	77-0330	Pivot - Single Point Adj.	1
8	77-0350	Washer - Thrust, Nylon	2
10	257-5	Washer - Steel	1
11	66-7220	Arm - Spring	1
12	77-0300	Handle Assembly	1
14	324-25	Screw - Cap, Hex. Hd.	1
15	3256-25	Washer - Flat	1
16	302-18	Fitting - Grease	1
17	57-5260	Pivot - Bedbar	1
18	52-2890	Bushing - Flanged	4
19	62-5510	Bushing Assy. - Rubber	2

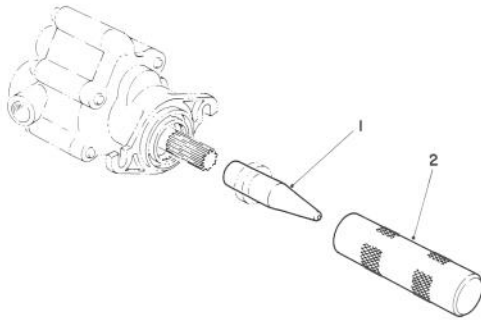
Ref. No.	Part No.	Description	No. Used
20	57-4940	Bedbar	1
21	63-9510	Bushing Assy. - Rubber	1
22	57-4910	Screw - Special	13
23	63-8560	Bed Knife - Tournament	1
*	62-2500	Bed Knife - 3/16"	1
*	63-8470	Bed Knife - 1/8"	1
*	63-8600	Bed Knife - Fairway	1
24	52-2910	Bolt - Eccentric, LH	1
25	66-7230	Spring - Compression	1
26	77-0490	Decal - Bolt, Eccentric	1
*	13-3659	Overhaul Kit (Incl. Ref. #1, 2 & 19 On page 49. #4, 18, 19, 21 & 22 on this page.	1
*‡	51-0880	Tool - Bed Knife Screw	1

*Not Illustrated

*‡See Special Tool section next page.

SPECIAL TOOLS

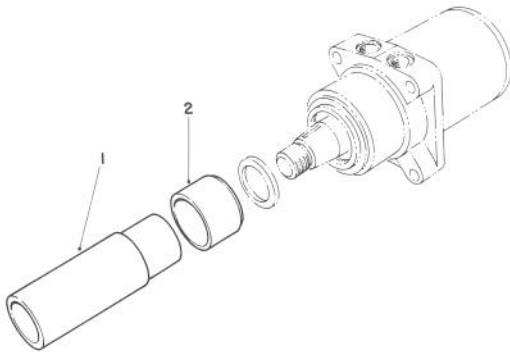
REEL MOTOR SEAL INSTALLATION TOOLS



T-0727

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

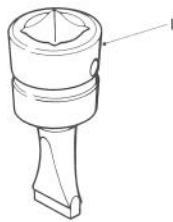
DRIVE MOTOR SEAL INSTALLATION TOOL NO. TOR192660



T-0728

Ref. No.	Part No.	Description	No. Used
1		Driver– Seal	1
2		Holder – Seal	1

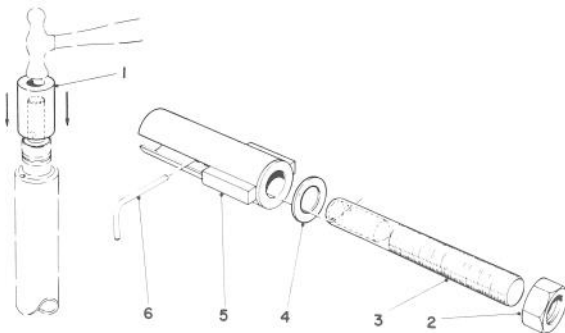
BED KNIFE SCREW TOOL NO. TOR510880



T-0729

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

BEARING REPLACEMENT TOOL KIT NO. TOR238900



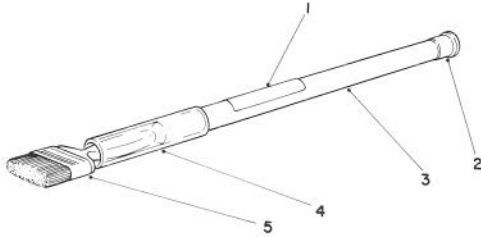
T-0730

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

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

SPECIAL TOOLS (Continued)

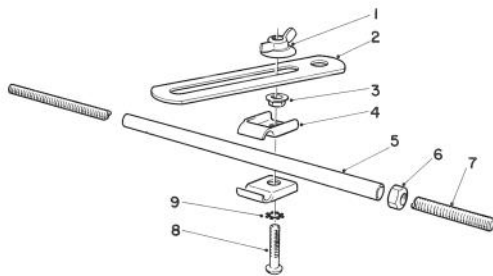
BACKLAPPING BRUSH ASSEMBLY NO. 29-9100



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

ALIGNMENT TOOL NO. TOR200120

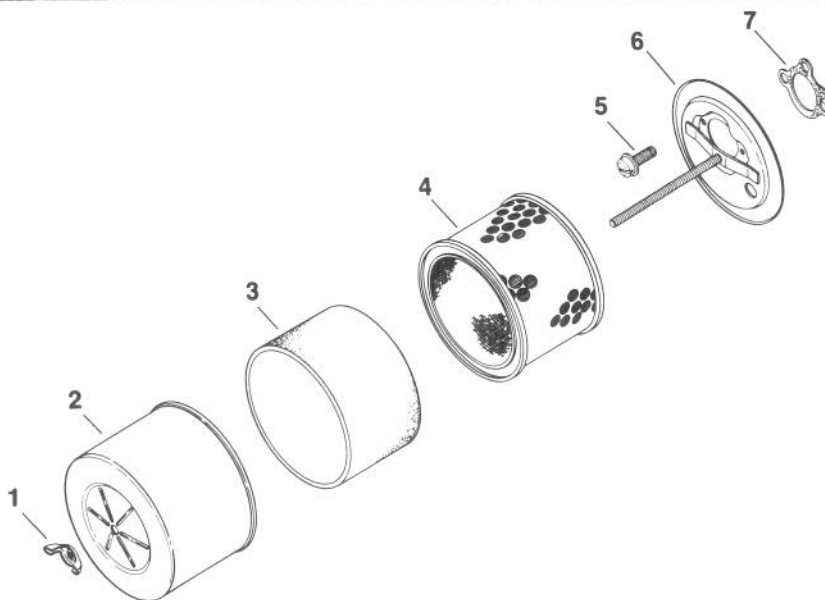


T-0732

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 ASSEMBLY – KOHLER MODEL NO. M16S-711533

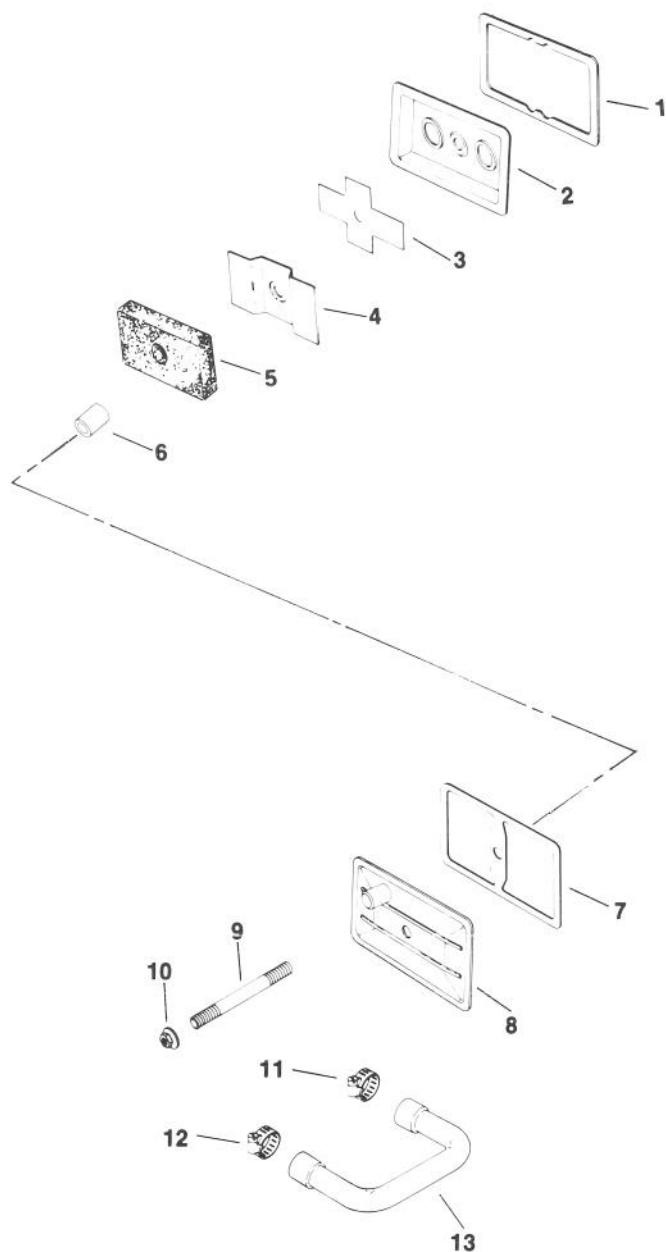
Ref. No.	Part No.	Description	No. Used
1	X-276-7	Air Inlake	
2	4508201	Nut – Wing	1
3	4508301	Cover – Air Cleaner	1
4	4508302	Precleaner – Element	1
		Element	1

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

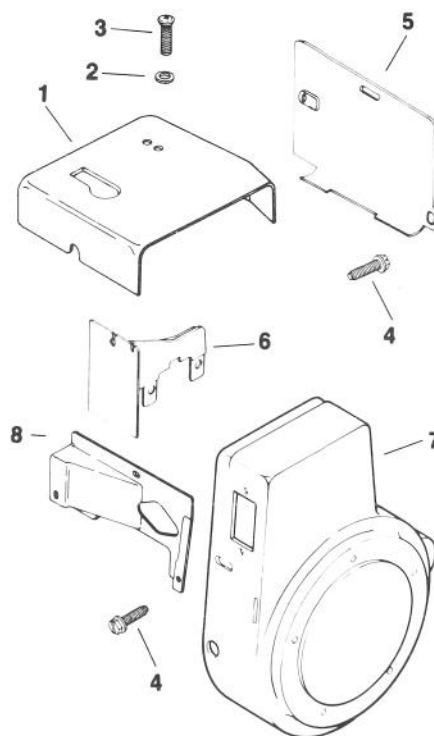
*Not Illustrated

ENGINE ASSEMBLY – KOHLER MODEL NO. M16S-711533

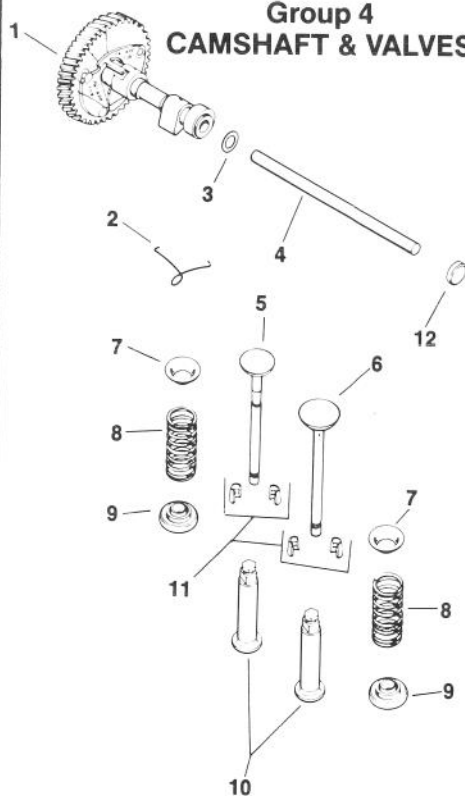
Group 3 BREATHER & VENT



Group 2 BAFFLES & SHROUD



Group 4 CAMSHAFT & VALVES



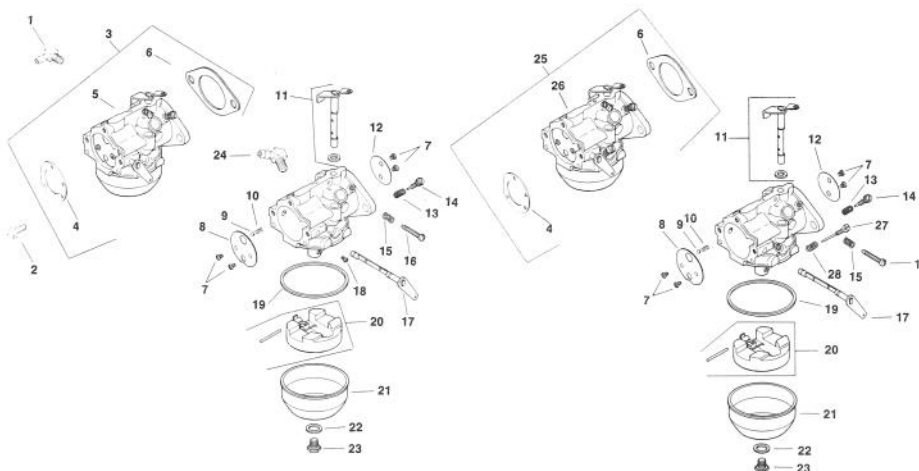
ENGINE ASSEMBLY – KOHLER MODEL NO. M16S-711533

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

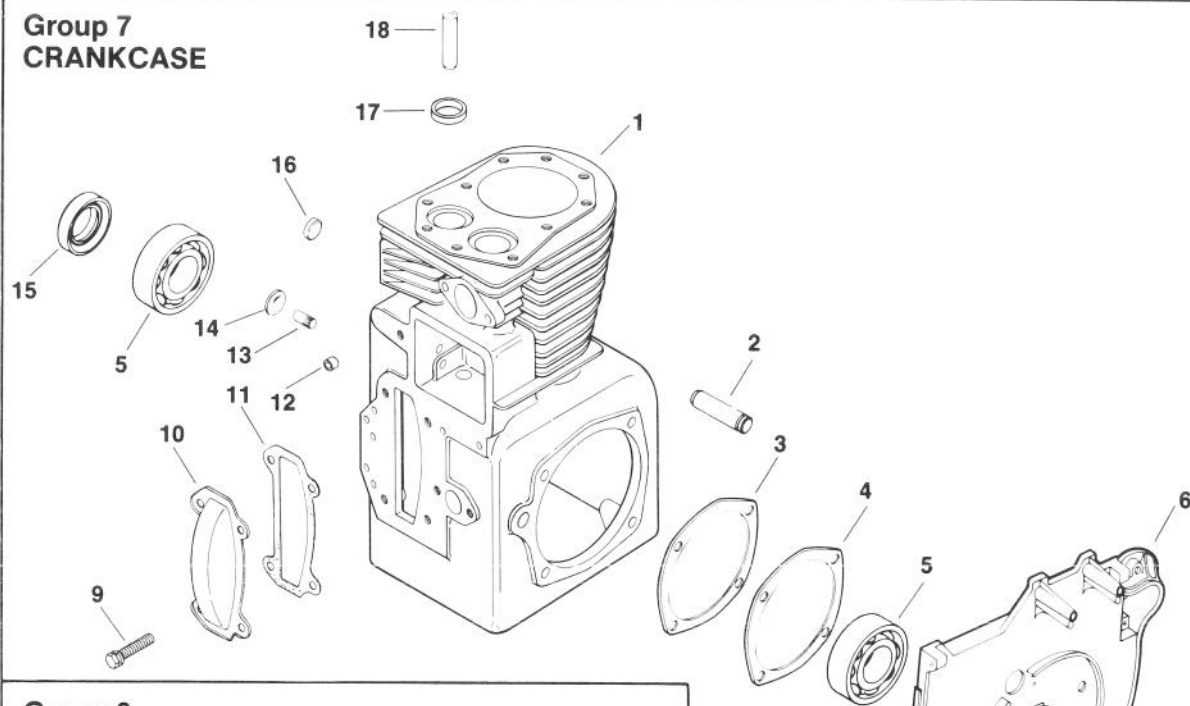
Ref. No.	Part No.	Description	No. Used
		Camshaft & Valves	
1	4701011	Camshaft Assembly	1
2	4708901	Spring – Actuating	1
3	275066	Spacer .005	A/R
3	275067	Spacer .010	A/R
4	4738009	Pin – Camshaft	1
5	237672	Valve – Exhaust	1
6	235582	Valve – Intake	1
7	235011	Retainer – Upper Spring	2
8	235168	Spring –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 ASSEMBLY – KOHLER MODEL NO. M16S-711533

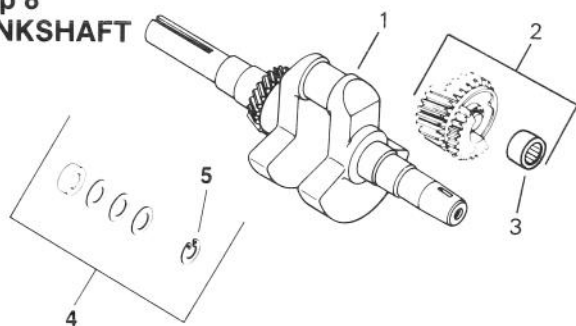
Group 5 CARBURETOR



Group 7 CRANKCASE



Group 8 CRANKSHAFT



ENGINE ASSEMBLY – KOHLER MODEL NO. M16S-711533

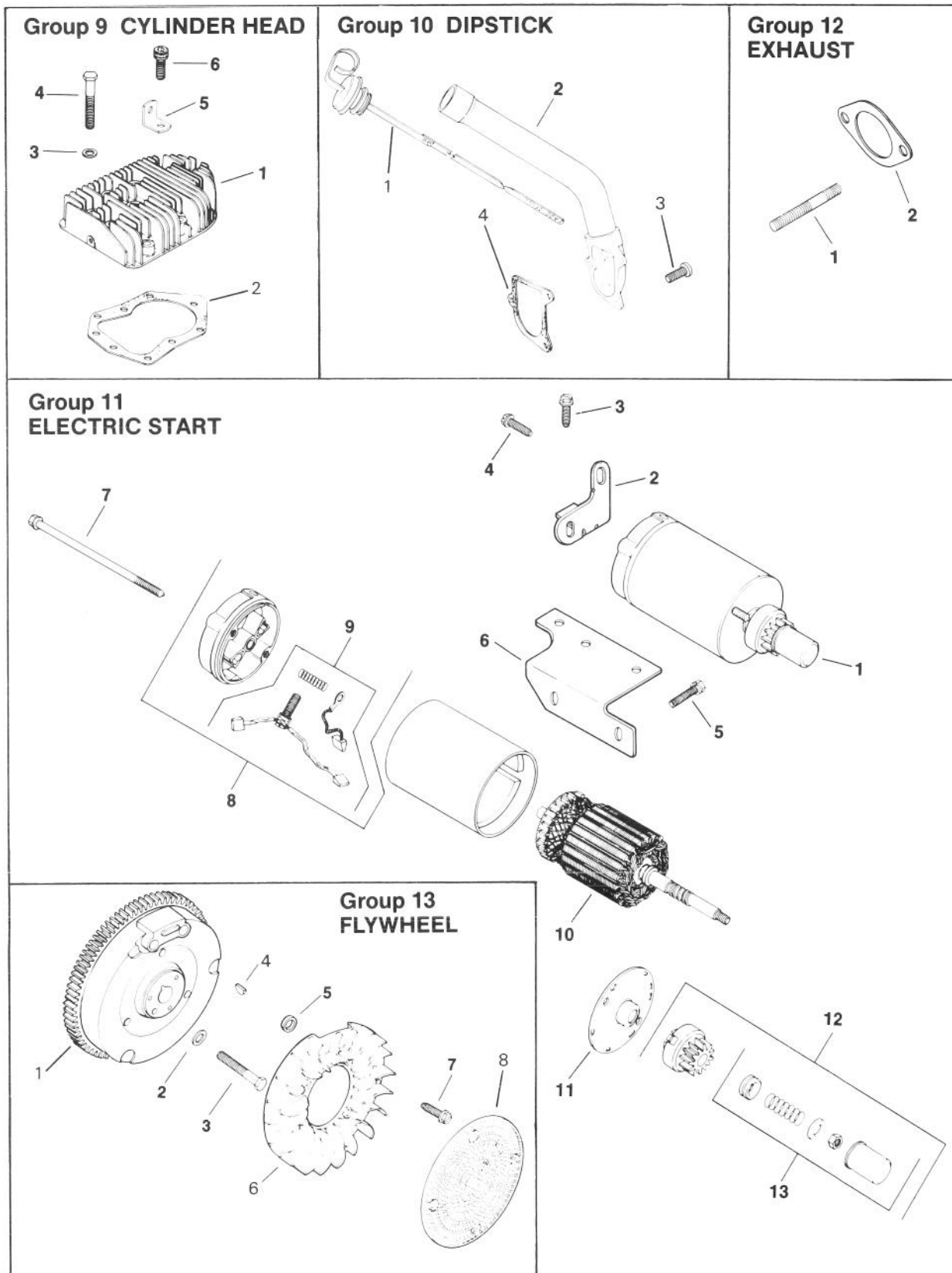
Ref. No.	Part No.	Description	No. Used
		Carburetor	
1	4515501	Connector – Hose	1
2	X-770-1	Screw – Slt. Hd. Built with the following:	2
3	4585307	Kit – Carburetor w/Linkage	1
4	4504107	Gasket – Air Cleaner	1
†5	4505378	Assembly – Carburetor	1
6	4704901	Gasket – Carburetor	1
7	2508627	Screw – Throttle & 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 ASSEMBLY – KOHLER MODEL NO. M16S-711533



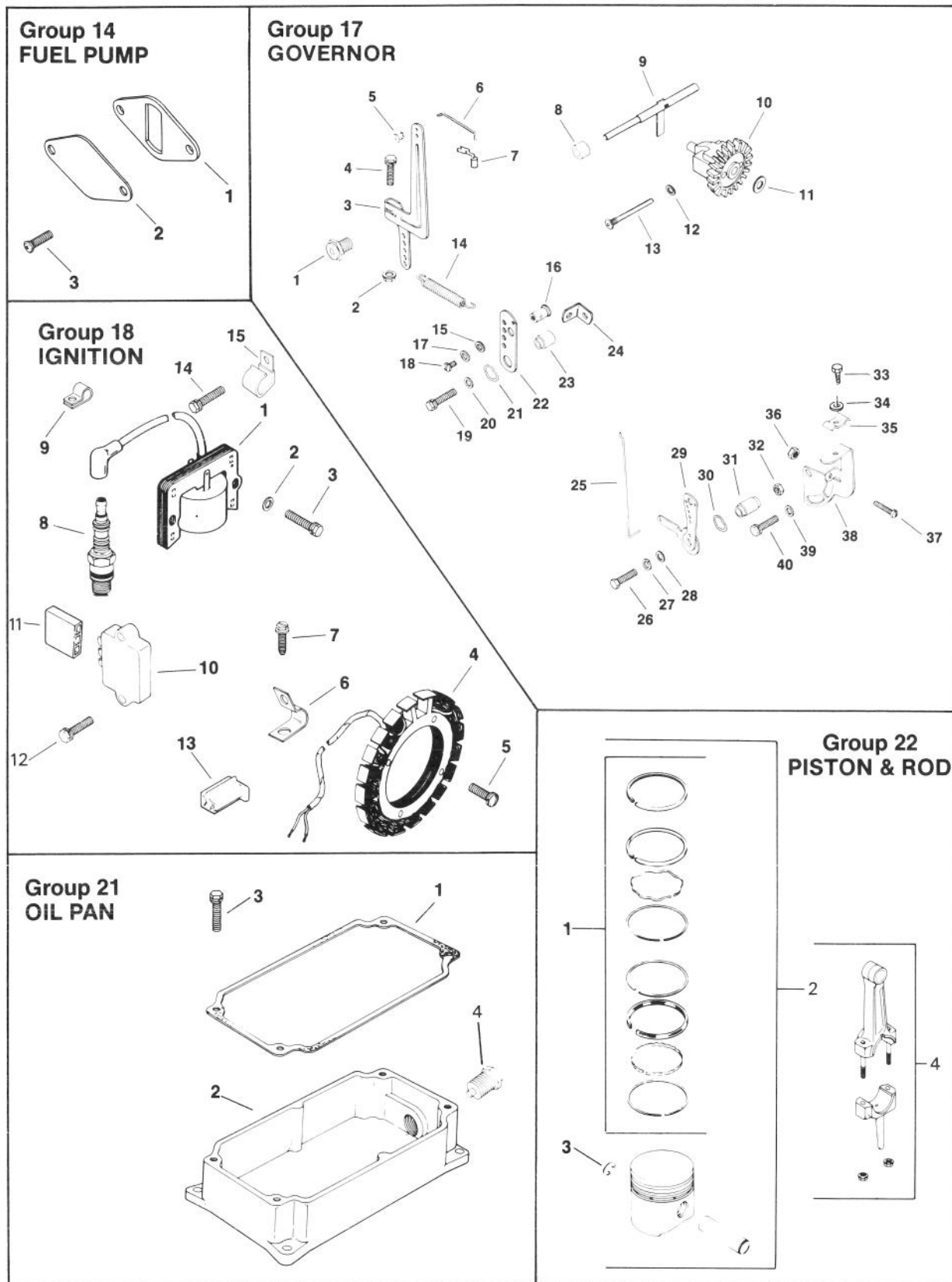
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ENGINE ASSEMBLY – KOHLER MODEL NO. M16S-711533

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 ASSEMBLY – KOHLER MODEL NO. M16S-711533



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ENGINE ASSEMBLY – KOHLER MODEL NO. M16S-711533

Ref. No.	Part No.	Description	No. Used
		Fuel Pump	
1	2504105	Gasket – Fuel Pump	1
2	240282	Cover – Pump Pad	1
3	X-174-2	Screw – Pozidriv F.H.	2
		Governor	
1	235476	Bushing – Governor Shaft	1
2	X-799-1	Palnut	1
3	4709020	Lever – Governor	1
4	X-776-1	Screw – H.C.	1
5	4715807	Bushing – Natural Linkage	1
		Retaining	1
6	4707910	Linkage Governor	1
		(Governor to Carburetor)	1
7	2515809	Bushing – Black Linkage	1
		Retaining	1
8	X-400-80	Spacer	1
9	A-235256-S	Kit – Governor Cross Shaft	1
10	A-235743-S	Kit – Governor Gear	1
11	237022	Washer – Thrust	1
12	2546801	Washer – Plain	1
13	231355	Pin – Governor Stop	1
14	235496	Spring – Governor	1
15	X-25-102	Washer – Plain	1
16	4875510	Kit – Clamp	1
		(Incl. Ref. #17 & 18)	1
17	X-25-58	Washer	1
18	X-102-3	Screw	1
19	X-132-9	Screw H.C.	1
20	X-25-63	Washer – Plain	1
21	275690	Washer – Wave	1
22	236249	Bracket – Speed Control	1
23	235085	Spacer	1
24	235084	Bracket	1
25	4707901	Linkage Choke	1
		(Carburetor to Lever)	1
26	X-5-26	Screw – H.C.	1
27	X-20-1	Washer – Lock	1
28	X-25-63	Washer – Plain	1
29	4709006	Lever – Choke Control	1
30	275690	Washer – Wave	1
31	4711202	Spacer	1
32	X-76-2	Nut – Hex	1
33	X-67-51	Screw	1
34	2546804	Washer	1
35	4723702	Clamp – Swivel	1
36	X-72-4	Nut – Hex	1
37	232556	Screw	1
38	4712609	Bracket – Control	1
39	X-25-72	Washer – Plain	1
40	X-132-1	Screw – H.C.	1

Ref. No.	Part No.	Description	No. Used
		Ignition	
1	4758402	Module Ignition	1
2	X-25-79	Washer – Plain	2
3	X-156-1	Screw – H.C.	2
4	237878	Kit – Stator (15 amp.)	1
5	X-67-51	Screw – Stator Mounting	4
6	X-728-1	Clip – Lead	1
7	X-67-59	Screw – Hex Wash. Hd.	1
8	235041-S	Spark Plug RH-10	1
9	210281	Clip – Hi-Tension Lead	1
10	2575503	Kit, Rectifier – Regulator	1
11	236602	Connector – Female	1
		(3 Contact)	1
12	X-132-5	Screw – H.C.	2
13	4115503	Connector – Male	1
		(2 Contact)	1
14	X-321-6	Screw, Sems Hex.	1
15	235173	Clip, Cable	1
		NOT ILLUSTRATED	
	4751836	Lead – Violet	1
		Rect.-Reg. to Connector	
		23" 14 Gauge	
		Uninsulated Push on Tab	
		Lead White Module	
		to Connector	
	4751843	Lead – White, w/Diode	
		(5" – 18 Gauge)	
		Insulated Push on Tab –	
		Insulink	
		Oil Pan	
1	235057	Gasket – Oil Pan	1
2	235147	Pan – Oil	1
3	X-159-3	Screw – H.C.	4
4	X-305-4	Plug – Hex Hd.	1
		Piston & Rod	
1	4510810	Ring Set (Std. & .003)	1
1	4510811	Ring Set (.010)	1
1	4510812	Ring Set (.020)	1
1	4510813	Ring Set (.030)	1
2	4587411	Piston w/Ring Set (Std.)	1
2	4587412	Piston w/Ring Set (.003)	1
2	4587413	Piston w/Ring Set (.010)	1
2	4587414	Piston w/Ring Set (.020)	1
2	4587415	Piston w/Ring Set (.030)	1
3	4701801	Retainer Piston Pin	2
4	4506724	Connecting Rod (Std.)	1
4	4506725	Connecting Rod (.010)	1

PART NUMBER INDEX

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
04412	Full Roller Carton of 3	29 * 1	12-0460	Caplug	25 19 1
04414	Swaged Roller Carton of 3	29 * 1	12-0460	Caplug	27 21 1
04424	Wiehle Roller Carton of 3	29 * 1	12-2789	Reel - 11 Blade	27 28 1
3-0348	Bushing	1 31 10	12-2789	Reel - 11 Blade	49 21 1
3-0348	Bushing	5 27 6	12-3270	Screw - Cap, Hex. Hd.	24 35 3
3-0348	Bushing	7 35 6	12-3270	Screw - Pentafllo	7 10 1
3-1506	Bushing	2 60 12	12-3270	Screw - Thread Forming	10 32 2
3-4808	Nut - Wing	52 1 1	12-3599	Reel - 8 Blade	27 * 1
3-6657	Clip - Skid	52 4 2	12-3599	Reel 8 Blade	49 * 1
3-6685	Spring	20 47 1	12-3599	Reel Assy. 8 Blade (04408)	25 1 1
3-7253	Bolt - Carriage	25 42 2	12-7009	Seal - Spool Set	17 * 1
3-7253	Bolt - Carriage	28 41 2	12-7009	Seal - Spool Set	19 1
3-8516	Anchor - Cable	20 22 1	12-7189	Engine	22 1 1
5-0698	Key	20 18 1	12-9050	Lift Pivot	2 64 1
5-0946	Key - Square	23 1 1	12-9140	Decal	52 1 1
5-1226	Washer	7 28 A/R	12-9990	Hour Meter	12 2 1
5-1226	Washer - Shim	3 89 2	13-3659	Overhaul Kit	28 * 1
5-2653	Pulley Assembly	10 13 4	13-3659	Overhaul Kit	50 * 1
5-3934	Bolt	20 34 1	13-8199	Bar Adj. Gauge	26 * 1
8-2520	Support - Comb	28 29 1	13-8199	Bar Adj. Gauge	27 * 1
8-2520	Support Comb	26 49 1	13-8199	Bar Adj. Gauge	49 * 1
8-2530	Comb - Urethane	26 51 1	14-0659	Reel Assy. 5 Blade (04405)	25 * 1
8-2530	Comb - Urethane	28 30 1	17-1450	Frame W.A.	39 6 1
8-7710	Ball Joint Receiver Assy.	2 56 6	17-1510	Eye Bolt	39 14 2
10-4850	Spring - Compression	34 10 6	17-1520	Counterweight	39 22 1
10-4870	Bracket Height-of-Cut	34 3 6	17-1530	Grass Shield	39 13 1
10-4880	Pin - Height-of-Cut	34 11 6	17-1570	Shaft Hex	39 34 1
10-4930	Bed Bar	25 3 1	17-1580	Spacer	39 31 2
10-5010	Screw - Roller Adjustment	25 34 2	17-1590	Blade	39 32 37
10-5010	Screw - Roller Adjustment	28 33 2	17-1600	Spacer	39 33 72
10-5060	Bracket - Height of Cut	28 25 2	17-1610	Housing - Bearing	39 3 1
10-5060	Bracket Height of Cut	25 33 2	17-1620	Bushing - Wheel	39 26 4
10-5080	Cap-End	27 23 1	17-1630	Wheel	39 25 4
10-5080	End Cap	25 21 1	17-1640	Scraper-Wheel L.H.	39 17 2
10-5100	Nut - Spline	26 56 1	17-1650	Scraper - Wheel R.H.	39 1 2
10-5100	Nut - Spline	39 2 1	17-1710	Washer	39 15 4
10-5120	Housing - Bearing	25 26 2	17-2290	Gauge .060	39 * 2
10-5120	Housing - Bearing	27 4 2	17-2300	Gauge .120	39 * 2
10-5120	Housing - Bearing	49 3 2	17-2310	Gauge .250	39 * 2
10-5140	Adj. Plate - Height-of-Cut	34 1 6	18-1520	Fuel Filter	20 4 1
10-6060	Pin - Ram Pivot	1 23 2	18-2400	Hose - Rubber	42 8 2
10-6090	Pin - Pivot	2 62 2	19-9540	Spring L.H.	37 6 1
10-6090	Pin - Pivot	5 40 1	19-9540	Spring L.H.	38 6 1
10-6090	Pin - Pivot	8 56 1	19-9550	Spring R.H.	37 * 1
10-6110	Pin - Hinge	1 28 2	19-9550	Spring R.H.	38 * 1
10-6300	Foot Pedal	3 85 1	19-9560	Spring Spacer	37 5 4
10-6540	Foot Pedal	1 7 2	19-9560	Spring Spacer	38 5 4
10-6821	Drum Assy.	5 51 1	20-0070	Tube	52 5 1
10-6830	Drive Stud	20 39 4	20-0080	Rod	52 7 1
10-6870	Hub - Wheel	5 5 2	20-0110	Bracket - Alignment	52 2 1
10-7070	Key - Engine	22 2 1	20-2210	Knob Assembly	42 11 2
10-7130	Wire - Solenoid to Starter	22 42 1	20-4700	Pivot Pin	34 12 6
10-7240	Sleeve - Steering Pulley	10 42 1	20-7330	Countershaft	41 9 1
10-7370	Tube Cap	10 5 1	20-7350	Stud	41 26 2
10-7820	Hinge - Pivot	1 30 1	20-7360	Key	41 23 1
10-7820	Hinge - Pivot	5 29 1	20-7370	Key - Square	40 3 1
10-7820	Pivot Hinge	7 38 1	20-7380	Blade	40 7 10
10-7850	Latch - Parking Brake	2 76 1	20-7390	Spacer	40 6 9
10-7880	Hinge - Upper, Park Brake	2 77 1	20-7400	Spacer	40 8 1
10-7890	Hinge - Lower, Park Brake	2 74 1	20-7410	Gasket	41 17 1
10-7920	Washer - Flat	7 29 2	20-7420	Frame	40 36 1
10-8100	Strap - Brake Shaft	2 37 2	20-7510	Spacer	40 35 4
10-8110	Washer - Thrust	2 51 18	20-7520	Spring	40 34 1
10-8110	Washer - Thrust	5 26 6	20-7530	Spacer	40 21 1
10-8110	Washer-Thrust	7 36 6	20-7540	Spring Tube	40 23 1
10-8120	Bolt - Battery	20 55 2	20-7570	Roller Mounting Bracket	40 30 4
10-8140	Spring - Brake Latch	2 75 1	20-7690	Gear 15T	41 8 1
10-8220	Pad - Tool Box	5 22 1	20-7700	Cover Assembly	41 15 1
10-8240	Foot Pad - Lift	1 9 1	20-7720	Counter-Weight	40 14 1
10-8250	Foot Pad - Mow	1 6 1	20-7740	Bushing	41 16 1
10-9090	Spring - Lift Pivot	2 65 1	20-7750	Gear 16T	41 24 1
11-0070	Scraper Comb Assembly	25 37 1	20-7790	Washer	40 9 1
11-0070	Scraper Comb Assembly	28 31 1	20-7820	Gear 45T	41 20 1
11-0160	Roller Shaft Screw Assy.	2 70 6	20-7850	Gear 64T	41 4 1

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
21-6000	Spiker Depth Gauge	40	*	1	42-4800	Scraper Bar	38	1	1
21-8430	Bearing - Rear Roller	27	19	2	43-5220	Ring - Retaining	9	13	1
21-8430	Bearing - Roller, Rear	49	16	2	43-5230	Shaft with Clevis	9	14	1
21-8430	Rear Bearing	25	10	2	43-5260	Barrel w/Clevis & Ports	9	3	1
21-8450	Rear Roller Assembly	25	9	1	43-8520	Switch	14	62	2
21-8470	Shaft - Yoke Roller	2	61	3	43-8600	Spring - Compression	21	61	1
21-9110	Ball Lock Pin	40	4	1	43-8610	Guide - Spring & Ball Seat	21	62	1
22-6090	Washer - Thrust	51	4	1	43-8620	Guide - Switch Pin	21	59	1
23-0660	Key Switch	12	5	1	43-8860	Plunger - Switch	21	60	1
23-5150	Shaft Assembly	41	13	1	43-8870	Boot - Switch	20	56	1
23-8840	Puller - Bolt	51	3	1	44-0870	Camshaft - Rear	7	16	1
23-8850	Tube - Support	51	5	1	44-1070	Switch Assembly	21	*	1
23-8860	Pin - Bearing Rplcmnt.	51	6	1	44-2230	Coupling - Rubber	22	27	1
23-8880	Driver - Bearing	51	1	2	44-2500	Hydraulic Oil Dye	14	*	1
24-9200	Spacer - Mounting	36	3	2	44-5560	Filter Head - Hydraulic	14	48	1
24-9220	Pivot Plate	36	8	2	47-5320	Lever - Cutting Control	7	14	1
24-9240	Washer	36	19	2	47-6640	Valve Flow Control	44	*	1
24-9260	Rod - Adjustment	36	4	2	49-0300	Plug - Pipe	44	13	2
24-9310	Base Plate R.H.	36	*	1	49-0320	Plate - Dial	44	4	1
24-9320	Base Plate L.H.	36	18	1	49-0340	Spring - Metering	44	15	1
24-9330	Pivot Arm L.H.	36	12	1	49-0350	Handle	44	19	1
24-9340	Pivot Arm R.H.	36	*	1	49-0360	Screw - Thumb	44	20	1
24-9370	Spring - Compression	36	7	2	49-0370	Spool - Metering	44	14	1
26-0930	Lift - Support	43	1	3	49-1430	Protector - Seal	51	1	1
26-0940	Wear Plate	43	4	6	49-1450	Installer - Seal	51	2	1
26-0950	Plate - Dished	43	5	6	49-5410	Box - Tool	5	23	1
26-3790	Nut - Lock	5	4	2	49-5430	Rod - Control	5	19	1
27-1930	Pump Mount	22	25	1	49-5450	Plate - Cover	5	16	1
27-1960	Coupling - Engine	22	31	1	49-5460	Shield - Valve Cover L.H.	10	31	1
27-1970	Coupling - Pump	22	26	1	49-5470	Shield - Valve Cover R.H.	10	38	1
27-2040	Hose	13	27	1	49-5840	Seat Support	10	20	1
27-2150	Mounting Pad - Engine	22	36	4	49-5880	Shaft - Seat Support	10	34	1
27-2270	Rod - Brake Adjustment	2	36	2	49-5900	Steering Wheel Assembly	10	1	1
27-2320	Side Flange - Bearing	7	13	2	49-5910	Arm Steering	10	10	1
27-2380	Spacer - Filler Mount	13	20	1	49-5970	Bracket - Pulley	10	15	1
27-2400	Reservoir Strap Assembly	13	39	1	49-6070	Lift Pivot Bracket - R.H.	3	87	1
27-2420	Felt Strap - Angle	13	38	2	49-6090	Lift Pivot Bracket - L.H.	1	13	1
27-2420	Felt Strip	13	41	2	49-6110	Guard - Transfer Rod	3	88	1
27-2540	Spacer - Hub	7	30	1	49-6120	Pad - Footrest	1	15	1
27-2550	Pin - Hinge	7	31	1	49-6130	Shaft - Brake	1	8	1
27-2650	Height-of-Cut Adjustment	25	14	2	49-6150	Foot Pedal - Brake	1	5	1
27-2830	Decal - Parking Brake	3	81	1	49-6170	Foot Pad - Brake	1	4	1
27-3040	Hose - Pump	13	46	2	49-6180	Shaft - Cutting Control	1	11	1
27-3040	Hose - Pump/Inlet	24	10	2	49-6200	Lever - Cutting Control	1	2	1
27-3070	Wire - Battery to Engine	22	44	1	49-6220	Bracket - Control Arm	7	17	1
27-6600	Spacer - Rubber	22	28	4	49-6250	Bracket - Traction Pivot	7	8	1
27-7980	Front Reservoir Strap Assy.	13	30	1	49-6260	Tube - Traction Pivot	8	55	1
28-1400	Battery	21	65	1	49-6290	Shaft - Traction Pivot	7	9	1
28-2070	Front Bracket	42	10	1	49-6320	Rod - Traction Control	7	7	1
28-2120	Wire - Battery to Ground	22	43	1	49-6350	Shaft Traction	8	63	1
28-3680	Tire	5	2	2	49-6380	Rod - Accelerator	7	4	1
28-3680	Tire	20	42	1	49-6430	Pad - Pedal Reverse	7	6	1
28-4210	Solenoid	20	53	1	49-6440	Pedal - Accelerator	7	2	1
28-8080	Boot Terminal	21	69	1	49-6470	Pad - Pedal Forward	7	3	1
29-9080	Handle	52	3	1	51-0010	Decal - Traction	10	39	1
29-9090	Hose - Handle	52	4	1	51-0050	Decal - Mow/Lift	1	10	1
33-0630	Brush	25	41	1	51-0350	Pin - Seat Spring	20	46	1
33-0990	Ammeter	12	4	1	51-0780	Seat Slider	10	23	1
33-1000	Scraper Brush Assembly	25	40	1	51-0790	Seat Adjuster	10	30	1
36-4310	Brush	52	5	1	51-0880	Tool - Bed Knife Screw	50	*	1
36-4780	Washer	35	14	6	52-1990	Piston	4	4	1
36-7190	Grass Shield	25	2	1	52-2720	Roller Assembly	2	66	3
36-7250	Grass Basket	8	58	3	52-2740	Pull Arm Assembly - L.H.	2	59	3
36-7250	Grass Basket Assembly	28	*	2	52-2750	Pull Arm Assembly - R.H.	2	69	3
36-7260	Cut-Off Bar	25	4	1	52-2860	Washer	28	3	1
36-7260	Cut-Off Bar	27	38	1	52-2860	Washer	50	3	1
36-7260	Cut-Off Bar	49	27	1	52-2890	Bushing - Flanged	28	18	4
38-0410	Nut - Hex	14	61	2	52-2890	Bushing - Flanged	50	18	4
38-0430	Switch - Neutral	21	64	1	52-2900	Washer - Poly	28	4	2
39-9600	Clamp - Mounting	12	24	2	52-2900	Washer - Poly	50	4	2
42-2680	Race R. Detent	16	46	1	52-2910	Bolt - Eccentric Shoulder	28	24	1
42-4780	Scraper Mount L.H.	38	7	1	52-2910	Bolt - Eccentric, LH	50	24	1
42-4790	Scraper Mount R.H.	38	*	1	52-2930	Bolt - Adjustment Shoulder	28	1	1
42-4800	Scraper Bar	37	1	1	52-2930	Bolt - Shoulder, RH	50	1	1

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
52-3100	Bolt - Eccentric	27 12 1	62-2160	Pulley - Front Steering	10 8 1
52-3100	Bolt - Eccentric, HOC - LH	49 10 1	62-2170	Washer-Thrust	20 31 1
52-3100	Bolt - H.O.C.	35 2 3	62-2180	Steering Cable	10 9 1
52-3110	Bolt - H.O.C.	35 * 3	62-2190	Washer - Special	20 17 1
52-3110	Bolt - Shoulder	27 39 1	62-2210	Tank Base	20 12 1
52-3110	Bolt - Shoulder, HOC - RH	49 28 1	62-2220	Caster Fork	20 32 1
52-3120	Rear Roller Adjustment	49 14 1	62-2270	Exhaust Pipe	22 7 1
52-3120	Rear Roller Assembly	27 17 1	62-2300	Traction Pump Assembly	22 17 1
52-3170	Full Front Roller Assembly	29 3 1	62-2340	Wire Harness - Frame	22 40 1
52-3170	Roller Assembly	40 16 2	62-2350	Wire Harness - Column	22 39 1
52-3180	Bearing - Front Roller	29 1 2	62-2360	Wire Harness - Traction	22 41 1
52-3180	Front Roller Bearing	40 17 4	62-2390	Bar - Lift Arm L.H.	2 46 1
52-3210	Bearing - Wiehle Roller	29 6 2	62-2420	Bar - Arm, Lift	5 35 1
52-3590	Swaged Roller Assembly	29 4 1	62-2420	Bar - Lift Arm	8 50 1
52-5860	Collar - Spool	19 51 1	62-2440	Arm - Lift, R.H.	5 31 2
52-5880	Ball - Steel	16 47 12	62-2450	Lift Arm - Center	7 40 1
52-5900	Screw - Fillister Hd.	18 37 4	62-2460	Lift Arm - L.H.	2 52 1
53-9250	Bracket - Scraper Mount	37 7 2	62-2470	Hose - Gas Line (Long)	20 2 1
53-9960	Housing Assembly	41 2 1	62-2500	Bed Knife - 3/16"	50 * 1
54-7120	Bracket - Quick H.O.C.	35 * 3	62-2500	Bed Knife 3/16"	28 * 1
54-7140	Pull Arm Assembly	35 15 6	62-2510	Bed Knife 3/16"	25 * 1
54-7170	Spring - Extension	35 17 6	62-2570	Breather Cap	13 33 1
54-7180	Shaft-Cam	35 8 3	62-2580	Spacer	5 * 2
54-7190	Cam - Quick H.O.C.	35 1 3	62-2610	Screen Assembly	13 36 1
54-7200	Cam - Quick H.O.C.	35 * 1	62-2630	Wire Assembly	22 45 1
54-7240	Cam - Quick H.O.C.	35 9 2	62-2660	Pad - Foot Step	1 26 1
54-7250	Bracket - Quick H.O.C.	35 4 3	62-2780	Spark Arrestor Muffler	22 * 1
54-7300	Bolt - Bedbar	35 16 3	62-5070	Decal - Danger	2 63 1
54-7310	Bolt - Bedbar	35 * 3	62-5070	Decal - Danger	5 47 1
54-9510	Motor & By-Pass Assy.	33 * 3	62-5070	Decal - Warning	8 51 1
54-9520	Valve - By-Pass	33 4 1	62-5510	Bushing Assy. - Rubber	50 19 2
54-9530	Fitting - 45° Swivel Elbow	30 6 1	62-5510	Rubber Bushing Assembly	28 19 2
54-9530	Fitting - 45° Swivel Elbow	31 7 2	62-5550	Decal - Toro	10 33 2
54-9540	Fitting - 90° Adjustable El.	30 8 1	63-3810	Hose - Pressure R.H.	24 30 1
54-9540	Fitting - 90° Adjustable El.	32 7 2	63-3820	Hose - Return R.H.	24 28 1
54-9620	Coupling - Quick Dscnct.	30 9 2	63-3830	Hose - Return L.H.	24 24 1
54-9620	Coupling - Quick Dscnct.	31 10 2	63-3840	Hose - Return, Rear	24 2 1
54-9620	Coupling - Quick Dscnct.	32 8 2	63-3850	Hose - Cylinder - Drop L.H.	24 17 1
55-3570	Gas Cap	20 10 1	63-3870	Hose - Pressure L.H.	24 23 1
55-8480	Tank - Hydraulic	13 43 1	63-3880	Hose Cylinder	24 9 2
56-2230	Hose - Fuel Line	20 7 1	63-3890	Hose - Cylinder - Lift L.H.	24 18 1
56-2240	Hose - Gas Line (Short)	20 5 1	63-3900	Hose - Pump #3	24 7 1
56-2520	Fitting - Fuel Shut-off	20 6 1	63-3910	Hose - Pump #2	24 13 1
56-6590	Bolt	40 2 2	63-3920	Hose - Pump #1	24 14 1
56-7970	Clamp - Tube	3 82 2	63-3930	Hose Cylinder - Drop, Rear	24 6 1
56-7980	Splash Shield	24 29 3	63-3940	Hose - Pump #4	24 12 1
56-7981	Splash Shield	24 3 1	63-3950	Hose - Cylinder - Drop L.H.	24 22 1
56-7986	Sleeve - Protective	24 39 1	63-3980	Traction Interconnect Line	13 15 1
56-7987	Sleeve - Protective	24 40 1	63-4020	Pressure Line	24 25 1
57-3210	Screw - Mach. Special	25 45 4	63-4030	Pressure Line	24 27 1
57-3210	Screw - Machine, Special	27 29 4	63-4040	Return Line - R.H.	24 26 1
57-4910	Screw - Special	25 8 7	63-4050	Fitting Traction Upper	13 10 1
57-4910	Screw - Special	28 21 13	63-4060	Brazed Tube Assembly	13 8 1
57-4910	Screw - Special	50 22 13	63-4080	Manifold Drain Orifice	13 2 1
57-4940	Bedbar	28 20 1	63-4090	90° Fitting - Extended	14 54 1
57-4940	Bedbar	50 20 1	63-4210	Hose - Hydraulic (Return)	44 12 1
57-5200	Grass Shield Assembly	27 10 1	63-4250	Hose - Hydraulic	44 5 1
57-5200	Grass Shield Assembly	49 9 1	63-7400	Washer - Flat	22 37 4
57-5210	Flap - Shield	27 37 1	63-8360	Key	12 8 1
57-5210	Flap - Shield	49 26 1	63-8470	Bed Knife - 1/8"	50 * 1
57-5260	Pivot - Bedbar	28 17 1	63-8470	Bed Knife 1/8"	28 22 1
57-5260	Pivot - Bedbar	50 17 1	63-8500	Bed Knife 1/8"	25 7 1
57-6140	Clamp - Tube Side	5 17 4	63-8550	Bed Knife - Tournament	25 * 1
57-6220	Link Connector	14 56 5	63-8560	Bed Knife - Tournament	28 * 1
57-7650	Spring - Torsion	2 47 1	63-8560	Bed Knife - Tournament	50 23 1
57-7650	Spring - Torsion	5 34 2	63-8600	Bed Knife - Fairway	50 * 1
57-7650	Spring - Torsion	7 49 1	63-8600	Bedknife - Fairway	28 * 1
57-9910	Screw - Pivot	27 15 2	63-8610	Bed Knife - Fairway	25 * 1
58-6530	Decal - Oil	13 32 1	63-8750	Pin - Pivot	2 48 1
59-9810	Module	12 13 1	63-8750	Pin - Pivot	5 36 2
61-9390	Drum - Steering	20 25 1	63-8750	Pin - Pivot	7 48 1
62-2110	Muffler Assembly	22 10 1	63-9510	Bushing Assy. - Rubber	50 21 1
62-2130	Control - Choke	12 20 1	63-9510	Rubber Bushing Assembly	28 46 2

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PART NUMBER INDEX (Continued)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
65-4860	Head	4	10	1	70-7170	Hose - Traction Lower R.H.	24	16	1
65-5871	Tube	10	43	1	70-7470	Block - Mounting (Modified)	47	12	2
65-5890	Cap	11	45	2	70-8600	Traction Hose - Upper R.H.	24	4	1
65-8600	Knob - Height Adjustment	25	12	2	70-8610	Hose - Traction, Upper L.H.	24	33	1
65-8600	Knob - Height Adjustment	28	23	2	70-9800	Reel Motor	14	51	3
65-8600	Knob - Height Adjustment	45	4	2	70-9840	Shoe & Lining Assembly	5	7	4
65-9220	Housing - Bearing	46	18	1	70-9850	Clip - Retainer	5	46	2
65-9230	Plate - Side	46	4	1	70-9860	Shaft - Cam	5	49	2
65-9270	Housing - Drive, Belt	47	41	1	70-9870	Plate - Backing, Brake	5	48	2
65-9290	Pulley - Driven	47	36	1	70-9880	Spring	5	50	4
65-9300	Spacer	46	17	1	70-9940	Hose Assembly - Pressure	31	3	1
65-9300	Spacer - Pulley, Driven	47	44	1	70-9940	Hose Assembly - Pressure	32	3	1
65-9310	Block - Idler	47	39	1	70-9950	Hose Assembly - Return	30	10	1
65-9320	Idler - Pulley	47	33	1	70-9950	Hose Assembly - Return	31	2	1
65-9330	Spacer	47	20	1	70-9950	Hose Assembly - Return	32	2	1
65-9340	Screw - Shoulder	47	32	1	70-9960	Hose Assembly - Pressure	30	1	1
65-9350	Adapter	46	3	1	71-0990	Fitting - One Way Orifice	14	65	1
65-9350	Adapter	47	24	1	71-1500	Brake Assembly	5	*	2
65-9460	Roller Extension W.A. - RH	45	*	1	71-1510	Arm - Brake R.H.	5	28	1
65-9490	Bracket - HOC	45	5	2	71-1510	Lever - Brake	1	29	1
65-9500	Screw - Roller Adjustment	45	10	2	71-1550	Wiehle Roller Assembly	29	5	1
65-9530	Roller Extension W.A. - LH	45	13	1	71-3620	Decal - Engine	22	46	1
65-9550	Cap	47	10	2	72-3850	Seal - Ring	14	50	1
65-9560	Adj. Knob Assembly	47	7	2	72-4380	Seal Kit	15	18	1
65-9580	Spring	47	6	2	72-4390	Repair Kit	15	19	1
65-9610	Adapter	48	3	1	72-4790	Hold Down - Battery	21	71	1
65-9630	Pulley - Driver	48	7	1	74-3490	Decal - Traction Control	44	1	1
65-9640	Disc - Release, Clutch	48	10	1	74-3570	Filter Element	14	49	1
65-9650	Screw - Special	48	11	1	74-3580	Gas Tank	20	1	1
65-9660	Pin - Clutch	48	5	1	74-3730	Spacer	1	22	2
65-9670	Driver	47	5	2	74-3730	Spacer	20	35	2
65-9670	Spring - Compression	48	6	1	74-3830	Hose - Pressure, Rear	24	1	1
65-9680	Knob - Clutch	48	14	1	74-3990	Decal - Greensmaster 3000	2	78	1
65-9700	Belt	47	35	1	75-9190	Seat Assembly	10	*	1
65-9710	Cover - Belt	47	30	1	75-9380	Decal - Caution	10	3	1
65-9810	Spring	47	15	2	75-9440	Hub Assembly	20	40	1
65-9820	Spacer	46	13	2	75-9490	Plate - Footrest	8	67	1
65-9820	Spacer	47	19	2	75-9540	Screw - Set, Soc. Hd.	48	1	1
65-9830	Ramp	47	11	2	75-9700	Frame	7	19	1
65-9850	Washer (RH Side)	47	*	1	75-9720	Cushion - Seat	10	24	1
65-9860	Bearing	46	5	1	75-9810	Backrest	10	26	1
65-9860	Bearing	47	18	1	75-9980	Shaft	46	11	1
65-9890	Bolt - Carriage	47	31	1	75-9990	Motor - Hydraulic	5	44	2
65-9900	Seal - Felt	48	2	1	76-0800	Seal Kit	6	*	1
65-9930	Cap	47	2	1	76-0810	Housing Assembly	6	*	1
65-9940	Spring	47	1	1	76-0840	Manifold	6	22	1
65-9950	Plate - Caution	47	14	1	76-0850	Bearing - Thrust	6	12	1
65-9960	Screw - Pivot	46	7	2	76-0860	Shaft - Coupling	6	11	1
65-9970	Stud	46	2	2	76-0870	Plate - Wear	6	18	1
65-9980	Spacer - Pulley, Idler	47	34	1	76-0880	Commutator Assembly	6	*	1
66-1660	Spool - Lever Side	44	17	1	76-0940	End Cover Assembly	6	24	1
66-7220	Arm - Spring	28	11	1	76-0960	Link - Drive	6	13	7
66-7220	Arm - Spring	50	11	1	76-0970	Rotor Set	6	*	1
66-7230	Spring - Compression	28	45	1	76-1010	Screw - Cap, Hex. Hd.	6	14	1
66-7230	Spring - Compression	50	25	1	76-1720	Gasket - Cap, Filler	14	67	1
66-7240	Screw - Pivot SPA	28	5	2	76-1810	Cap - Battery	21	74	6
66-7240	Screw - Pivot, SPA	50	5	2	76-1850	Clevis	4	14	1
68-5100	Rod - Seat	11	49	1	76-1860	Shaft with Clevis	4	7	1
68-5310	Clip Seat	11	51	1	76-2810	Valve - Needle	14	69	1
68-5880	Return Line - Man. to Filter	24	20	1	77-0300	Handle Assembly	28	12	1
68-5930	Handle - Traction	7	21	1	77-0300	Handle Assembly	50	12	1
68-9910	Panel - Control	12	12	1	77-0330	Pivot - Single Point Adj.	50	7	1
68-9930	Control - Throttle	12	21	1	77-0330	Pivot - Single Point Adjust.	28	7	1
68-9940	Decal - Control Panel	12	14	1	77-0340	Nut - Spline	27	1	1
70-1100	Frame - Reel	26	55	1	77-0350	Retainer - Bearing	28	8	2
70-1170	Blade (41 Blade Reel)	46	10	41	77-0350	Washer - Thrust, Nylon	50	8	2
70-1200	Frame - Reel	27	8	1	77-0480	Screw - Accelerator Stop	8	60	1
70-1200	Frame - Reel	49	7	1	77-0490	Decal - Bolt, Eccentric	28	47	1
70-1350	Spacer (41 Blade Reel)	46	9	84	77-0490	Decal - Bolt, Eccentric	50	26	1
70-2770	Head	9	11	1	77-0560	Nut - Splined	46	6	1
70-2780	Piston	9	6	1	77-1060	Bracket - Height of Cut	27	7	1
70-7120	Tube - Traction Lower L.H.	24	15	1	77-1060	HOC Adjustment - RH	49	6	1
70-7130	Traction Line - Upper L.H.	24	19	1	77-1080	Bracket - Height of Cut	27	16	1
70-7150	Traction Hose - Lower L.H.	24	5	1	77-1080	HOC Adjustment - LH	49	13	1

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
82-5570	Gasket - Exhaust	22 3 1	242-50	Nut - Wheel	20 44 4
83-0090	Pull Frame - L.H.	2 71 1	2410-18	Plug	52 2 1
83-0210	Frame - Pull, R.H.	5 37 1	2410-34	Plug	41 22 1
83-0210	Pull Frame - Rear	8 57 1	2410-68	Cover - Pin	47 8 2
83-7000	Hydraulic Cylinder Assy.	7 37 1	2411-7	Ball Stud	25 36 2
83-7250	Seal Repair Kit	4 * 1	2411-7	Ball Stud	28 34 2
83-7250	Seal Repair Kit	9 15 1	2411-7	Ball Stud	39 23 2
84-2000	Bracket - Brake	5 11 2	2411-7	Ball Stud	40 25 2
84-2200	Control Valve	14 57 1	2411-7	Stud - Ball	45 8 2
84-2200	Control Valve Assembly	19 1 1	2411-32	Ball Joint	8 62 2
84-7880	Fitting - Crow Foot	14 55 1	2412-3	Clamp - Hose	13 26 8
84-8290	Cylinder - Hydraulic	1 16 2	2412-3	Clamp - Hose	24 21 2
85-6540	Stud - Drive Type	5 6 8	2412-36	Clamp - Gas Line	21 77 2
217-60	Rim	5 3 2	2412-41	Clip	12 16 1
217-60	Rim	20 41 1	2412-41	R-Clamp	24 34 3
217-74	Wheel Bolt	25 28 2	2412-45	Hose Clamp	42 9 4
218-461	Nut - Hex	12 7 1	2412-76	Muffler Clamp Assembly	22 11 1
218-461	Nut - Jam	21 57 2	2412-102	R-Clamp	10 44 2
218-489	Fuse Holder	12 1 1	2412-108	Clamp - Hose	20 3 4
218-515	Bracket - Mounting	12 27 1	251-77	Lock Collar	39 5 2
231-124	Tire - Treaded	5 * 2	251-141	Bearing - Ball	2 67 6
232-24	Valve Stem - With Cap	20 43 1	251-206	Bearing	39 4 1
232-24	Valve Stem w/Cap	5 52 2	251-247	Bearing Assembly	40 11 1
232-37	Inner Tube - Heavy Duty	5 * 2	251-247	Housing - Bearing	39 20 1
233-28	Knob	34 8 6	251-327	Bearing	47 40 2
233-48	Knob	7 20 1	251-327	Bearing - Ball	46 16 2
233-50	Knob	12 9 2	251-327	Bearing - Roller	48 8 1
237-7	O-Ring	21 58 1	251-328	Bearing	47 21 2
237-21	O-Ring	1 19 1	252-110	Bearing - Needle	48 4 1
237-21	O-Ring	13 9 7	253-61	Seal	25 22 1
237-21	O-Ring	36 10 2	253-61	Seal	27 24 1
237-22	O-Ring	13 7 A/R	253-96	Oil Seal	25 43 2
237-22	O-Ring	22 24 2	253-96	Seal	27 26 2
237-22	O-Ring	31 11 1	253-96	Seal	49 19 2
237-22	O-Ring	32 9 1	253-111	Seal	20 36 2
237-22	O-Ring	41 10 1	253-130	Seal	41 14 1
237-30	O-Ring	13 5 A/R	253-131	Seal	41 1 1
237-30	O-Ring	21 63 1	254-72	Cup - Bearing	25 25 2
237-30	O-Ring	22 18 1	254-72	Cup - Bearing	27 3 2
237-30	O-Ring	44 22 5	254-72	Cup - Bearing	49 2 2
237-42	O-Ring	13 11 A/R	254-78	Cone	20 37 2
237-42	O-Ring	22 22 3	254-79	Cup	20 38 2
237-42	O-Ring	30 2 6	254-94	Cone - Bearing	25 24 2
237-42	O-Ring	31 1 6	254-94	Cone - Bearing	27 2 2
237-42	O-Ring	32 1 6	254-94	Cone - Bearing	49 1 2
237-54	O-Ring	16 6 8	256-2	Bushing	8 54 2
237-54	O-Ring	18 3 6	256-2	Bushing	10 14 4
237-54	O-Ring	42 6 2	256-27	Bushing	41 18 1
237-54	O-Ring	44 16 2	256-32	Bushing	2 38 2
237-58	O-Ring	13 3 A/R	256-113	Bushing	10 6 2
237-65	O-Ring	5 14 4	256-115	Washer - Thrust	41 3 2
237-65	O-Ring	14 66 6	256-116	Bushing	36 17 4
237-77	O-Ring	28 10 2	256-117	Bushing	41 19 1
237-78	O-Ring	1 17 4	256-155	Bushing	8 65 2
237-78	O-Ring	9 2 2	256-155	Bushing - Flange	35 7 12
237-79	O-Ring	13 6 8	256-219	Bushing	10 37 2
237-79	O-Ring	22 20 1	256-239	Bearing	37 4 2
237-80	O-Ring	5 12 4	256-239	Bearing	38 4 2
237-80	O-Ring	13 13 2	256-243	Bushing	41 7 2
237-80	O-Ring	44 7 3	256-244	Bushing	41 25 1
237-81	O-Ring	13 1 1	256-251	Bushing	7 22 2
237-84	Grommet	27 14 2	256-290	Bushing	7 25 2
237-84	Grommet	49 12 2	256-300	Bushing - Flange	48 12 1
237-90	Grommet	40 1 2	257-5	Washer - Steel	50 10 1
237-100	Grommet	12 19 1	257-10	Washer	47 47 2
237-101	O-Ring	13 24 1	281-1	Plug - Oil	13 45 1
237-136	Grommet	20 11 4	281-2	Plug - Pipe	40 37 1
237-142	O-Ring	30 4 2	282-2	Yoke	2 33 4
237-142	O-Ring	31 5 2	282-2	Yoke	5 21 2
237-142	O-Ring	32 5 2	283-1	Pin - Clevis	2 34 4
237-148	Seal - Quad Ring	20 30 1	283-1	Pin - Clevis	5 42 2
237-149	O-Ring - Seal	20 26 1	283-8	Pin - Clevis	1 27 2
237-156	O-Ring	33 28 1	283-57	Pin - Clevis	7 18 1
242-50	Nut - Wheel	5 1 8	284-3	Plug - Expansion	47 4 2

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Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
302-2	Fitting - Grease	4	1	2	323-7	Screw - Cap, Hex Hd.	27	9	2
302-2	Fitting - Grease	9	1	1	323-7	Screw - Cap, Hex Hd.	35	3	6
302-5	Fitting - Grease	2	58	8	323-7	Screw - Cap, Hex Hd.	49	8	2
302-5	Fitting - Grease	7	26	1	323-8	Screw - Cap, Hex Hd.	22	16	2
302-5	Fitting - Grease	20	33	1	323-10	Screw - Cap, Hex Hd.	1	14	4
302-5	Fitting - Grease	25	11	3	323-11	Screw - Cap, Hex Hd.	40	20	2
302-5	Fitting - Grease	27	18	3	323-15	Screw - Cap, Hex Hd.	22	34	1
302-5	Fitting - Grease	29	2	2	323-15	Screw - Cap, Hex Hd.	40	19	1
302-5	Fitting - Grease	36	13	2	323-20	Screw - Cap, Hex Hd.	22	35	3
302-5	Fitting - Grease	40	18	4	324-6	Screw - Cap, Hex Hd.	22	14	4
302-5	Fitting - Grease	46	19	1	324-6	Screw - Cap, Hex Hd.	39	9	2
302-5	Fitting - Grease	49	15	2	324-6	Screw - Cap, Hex Hd.	40	24	2
302-5	Fitting - Grease	39	27	4	324-13	Screw - Cap, Hex Hd.	39	21	2
302-11	Fitting - Grease	7	41	1	324-25	Screw - Cap, Hex Hd.	28	14	1
302-11	Fitting - Grease	47	43	1	324-25	Screw - Cap, Hex Hd.	50	14	1
302-11	Fitting - Grease	49	20	1	325-3	Screw - Cap, Hex Hd.	10	17	4
302-18	Fitting - Grease	28	16	1	325-11	Screw - Cap, Hex Hd.	5	10	8
302-18	Fitting - Grease	34	9	6	329-1	Screw - Cap, Hex Hd.	39	12	4
302-18	Fitting - Grease	50	16	1	3211-1	Screw - Cap, Hex Hd.	7	42	2
302-22	Fitting - Grease	36	9	2	3211-3	Screw - Cap, Hex Hd.	39	19	2
302-40	Fitting - Grease	27	27	1	3217-5	Nut - Hex.	40	29	4
302-40	Fitting - Grease	25	27	1	3217-5	Nut - Hex.	42	13	2
302-60	Fitting - Grease	1	20	4	3217-5	Nut - Hex.	20	29	2
302-60	Fitting - Grease	5	30	1	3217-6	Nut - Hex.	22	9	2
302-60	Fitting - Grease	7	39	1	3217-6	Nut - Hex.	34	14	6
304-61	Clamp	14	60	1	3217-7	Nut - Hex.	16	33	3
321-2	Screw - Cap, Hex. Hd.	43	2	36	3217-7	Nut - Hex.	39	16	2
321-3	Screw - Cap, Hex Hd.	13	44	2	3217-8	Nut - Hex.	39	29	2
321-3	Screw - Cap, Hex Hd.	21	70	2	3217-8	Nut - Hex.	40	33	2
321-3	Screw - Cap, Hex Hd.	11	52	1	3217-9	Nut - Hex.	25	17	2
321-3	Screw - Cap, Hex Hd.	12	11	1	3217-26	Nut	12	29	1
321-3	Screw - Cap, Hex Hd.	24	36	1	3218-2	Nut - Jam	20	23	2
321-3	Screw - Cap, Hex Hd.	34	7	6	3218-2	Nut - Jam	35	12	6
321-3	Screw - Cap, Hex Hd.	37	2	4	3218-2	Nut - Jam	36	5	2
321-3	Screw - Cap, Hex Hd.	38	2	8	3218-13	Nut - Jam	20	54	2
321-4	Screw - Cap, Hex Hd.	28	37	2	3218-17	Nut - Nut	40	10	1
321-4	Screw - Cap, Hex Hd.	26	58	2	3219-1	Nut - Hex	25	39	4
321-4	Screw - Cap, Hex Hd.	40	26	4	3219-1	Nut - Hex	28	38	4
321-4	Screw - Cap, Hex Hd.	45	12	2	3219-2	Nut - Hex.	52	6	1
321-5	Screw - Cap, Hex Hd.	27	35	2	3219-14	Nut	12	3	6
321-5	Screw - Cap, Hex Hd.	5	8	8	3219-14	Nut	49	1	
321-5	Screw - Cap, Hex Hd.	25	6	2	3219-14	Nut - Hex	26	*	1
321-5	Screw - Cap, Hex Hd.	49	24	2	3219-14	Nut - Hex	27	*	1
321-10	Screw - Cap, Hex Hd.	42	12	2	3219-14	Nut-Hex	20	49	2
321-18	Screw - Cap, Hex Hd.	10	2	1	3219-18	Nut - Hex.	51	2	1
321-23	Screw - Cap, Hex Hd.	3	86	1	3220-2	Nut	5	20	2
321-33	Screw - Cap Hex Hd.	44	2	2	3220-2	Nut - Hex	2	35	4
322-1	Screw - Cap, Hex Hd.	7	34	2	3220-2	Nut - Hex, Jam	8	64	2
322-1	Screw - Cap, Hex Hd.	1	25	6	3220-3	Nut - Hex, Jam	2	57	6
322-1	Screw - Cap, Hex Hd.	5	38	1	3220-6	Nut - Hex. Jam	28	2	2
322-2	Screw - Cap, Hex Hd.	13	23	2	3220-6	Nut - Hex. Jam	50	2	2
322-2	Screw - Cap, Hex Hd.	36	1	2	3220-6	Nut - Jam	4	15	1
322-2	Screw - Cap, Hex Hd.	45	15	4	3220-6	Nut - Lock	35	19	6
322-3	Screw - Cap, Hex Hd.	20	15	1	3220-18	Nut - Jam	39	30	2
322-3	Screw - Cap, Hex Hd.	11	46	2	3229-22	Bolt - Carriage	3	84	2
322-3	Screw - Cap, Hex Hd.	36	21	2	3230-5	Bolt - Carriage	45	1	2
322-3	Screw - Cap, Hex Hd.	40	22	1	3230-23	Bolt - Carriage	34	2	6
322-3	Screw - Cap, Hex Hd.	45	6	2	3233-26	Bolt - Carriage	26	46	2
322-4	Screw - Cap, Hex Hd.	13	22	2	3234-1	Screw - Cap, Hex Hd.	7	27	2
322-4	Screw - Cap, Hex Hd.	12	18	1	3234-1	Screw - Flange, Hex. Hd.	7	12	4
322-5	Screw - Cap, Hex Hd.	7	11	2	3234-4	Screw - Cap, Hex Hd.	5	18	4
322-5	Screw - Cap, Hex Hd.	20	20	1	3241-2	Screw - Set, Sq. Hd.	22	32	2
322-5	Screw - Cap, Hex Hd.	28	43	2	3241-6	Screw - Set, Sq. Hd.	22	29	2
322-5	Screw - Cap, Hex Hd.	26	52	2	3242-9	Screw - Set, Sq. Hd.	20	24	2
322-5	Screw - Cap, Hex Hd.	41	12	4	3243-13	Screw - Set, Sq. Hd.	25	13	4
322-6	Screw - Cap, Hex Hd.	22	30	4	3245-1	Screw - Set	36	11	2
322-9	Screw - Cap, Hex Hd.	35	18	6	3245-7	Screw - Set	34	4	6
322-14	Screw - Cap, Hex Hd.	14	63	3	3246-2	Screw - Set	27	20	2
322-23	Screw - Cap, Hex Hd.	36	16	2	3246-2	Screw - Set	49	17	2
323-2	Screw - Mach. Hex Hd.	25	20	1	3249-3	Screw - Round Hd.	28	32	11
323-2	Screw - Machine, Hex Hd.	27	22	1	3249-3	Screw - Round Head	26	50	11
323-6	Screw - Cap, Hex Hd.	20	14	2	3250-36	Screw - Phil. Hd.	20	13	4
323-6	Screw - Cap, Hex Hd.	39	37	2	3253-3	Washer - Lock	2	73	2
323-6	Screw - Cap, Hex Hd.	10	19	2	3253-3	Washer - Lock	13	42	2

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3253-3	Washer - Lock	25 30 2	3256-24	Washer - Flat	2 39 10
3253-3	Washer - Lock	28 36 2	3256-24	Washer - Flat	7 47 4
3253-3	Washer - Lock	34 6 6	3256-24	Washer - Flat	27 6 4
3253-3	Washer - Lock	40 28 4	3256-24	Washer - Flat	35 5 12
3253-3	Washer - Lock	45 11 2	3256-24	Washer - Flat	39 35 2
3253-4	Washer - Lock	1 24 6	3256-24	Washer - Flat	48 15 1
3253-4	Washer - Lock	5 39 1	3256-24	Washer - Flat	49 5 4
3253-4	Washer - Lock	7 33 2	3256-24	Washer - Flat (LH Side)	47 17 1
3253-4	Washer - Lock	11 47 2	3256-25	Washer - Flat	28 15 1
3253-4	Washer - Lock	13 19 3	3256-25	Washer - Flat	50 15 1
3253-4	Washer - Lock	20 16 4	3256-26	Washer - Flat	2 43 2
3253-4	Washer - Lock	22 8 2	3256-26	Washer - Flat	5 33 3
3253-4	Washer - Lock	34 13 6	3256-26	Washer - Flat	8 52 1
3253-4	Washer - Lock	41 11 4	3256-26	Washer - Flat	10 16 4
3253-4	Washer - Lock	45 14 4	3256-74	Washer - Flat	47 3 1
3253-4	Washer - Lock	47 29 2	3257-42	Key - Woodruff	5 45 2
3253-4	Washer - Lock	47 38 1	3257-42	Key - Woodruff	6 17 1
3253-6	Washer - Lock	22 13 4	3272-4	Pin - Cotter	7 23 1
3253-7	Washer - Lock	25 16 2	3272-6	Pin - Cotter	1 32 4
3253-12	Washer - Lock	47 27 3	3272-6	Pin - Cotter	5 43 2
3253-21	Washer - Lock	2 40 8	3272-11	Pin - Cotter	1 21 4
3253-21	Washer - Lock	10 18 2	3272-11	Pin - Cotter	5 32 2
3253-21	Washer - Lock	22 15 2	3272-11	Pin - Cotter	8 53 1
3253-23	Washer - Flat	12 17 1	3272-11	Pin - Cotter	11 48 1
3254-1	Washer - Lock	20 50 2	3272-12	Pin - Cotter	2 45 1
3254-1	Washer - Lock, Int. Tooth	12 28 3	3274-12	Screw - Hex Socket Hd.	10 21 4
3254-2	Washer - Lock	36 20 2	3274-13	Screw - Cap, Soc. Head	47 28 3
3254-2	Washer - Lock, Int. Tooth	14 64 1	3274-15	Screw - Fillister Hd.	16 43 2
3254-5	Washer - Lock	12 6 1	3274-22	Screw - Cap, Hex. Soc.	47 37 1
3254-6	Washer - Lock	7 43 2	3274-42	Screw - Set Hex Socket	44 18 1
3254-6	Washer - Lock	22 47 1	3274-52	Screw - Hex, Socket Hd.	18 45 6
3254-6	Washer - Lock	25 35 2	3274-52	Screw - Hex, Socket Hd.	16 20 4
3254-6	Washer - Lock	27 13 2	3274-54	Screw - Set, Socket Hd.	13 28 2
3254-6	Washer - Lock	28 35 2	3274-70	Screw - Hex, Socket Hd.	16 1 2
3254-6	Washer - Lock, Ext. Tooth	39 18 4	3274-84	Screw - Cap, Hex. Hd.	19 58 4
3254-6	Washer - Lock, Int. Tooth	40 27 4	3274-86	Screw - Cap, Soc. Hd.	47 46 2
3254-6	Washer - Lock, Int. Tooth	45 9 2	3284-3	Pin Groove	20 48 1
3254-6	Washer - Lock, Int. Tooth	46 22 2	3289-19	Screw - Flat Hd. Socket	47 26 2
3254-8	Washer - Lock	25 38 4	3289-21	Screw - Hex. Soc. Fl. Hd.	46 15 3
3254-8	Washer - Lock	28 39 4	3290-125	Screw - Set	25 15 2
3255-7	Washer - Lock, Ext. Tooth	39 11 4	3290-125	Screw - Set	35 11 12
3255-7	Washer - Lock, Int. Tooth	12 30 1	3290-221	Washer - Spring	2 44 1
3255-8	Washer - Lock	26 53 2	3290-238	Washer - Lock	36 2 2
3255-8	Washer - Lock	28 42 2	3290-271	Rivet - Pop	47 13 2
3255-8	Washer - Lock, Int. Tooth	52 9 1	3290-314	Tinnerman Push-On	10 41 2
3255-9	Washer - Lock	25 44 4	3290-317	Washer - Spring	2 68 6
3255-9	Washer - Lock	27 30 4	3290-334	Washer - Lock, Pyramidal	39 28 2
3255-9	Washer - Lock	39 36 2	3290-378	Tie - Cable	44 23 2
3255-16	Washer - Lock	40 32 2	3290-379	Tie - Cable	24 8 6
3255-16	Washer - Lock, Ext. Tooth	39 8 2	3290-480	Washer - Belleville	48 9 2
3256-2	Washer - Flat	34 5 6	3295-46	Rivet	27 33 13
3256-2	Washer - Flat	43 6 24	3295-46	Rivet	49 23 13
3256-3	Washer - Flat	7 44 2	3296-4	Nut - Lock	8 61 2
3256-3	Washer - Flat	39 24 4	3296-4	Nut - Lock	20 19 2
3256-4	Washer - Flat	10 12 4	3296-4	Nut - Lock	46 21 3
3256-4	Washer - Flat	40 13 2	3296-8	Nut - Lock	10 40 1
3256-21	Washer - Flat	12 25 2	3296-9	Nut - Lock	26 48 11
3256-22	Washer - Flat	2 80 1	3296-9	Nut - Lock	28 28 11
3256-22	Washer - Flat	13 29 2	3296-16	Nut - Hex	2 72 3
3256-22	Washer - Flat	20 52 2	3296-16	Nut - Lock	11 50 1
3256-22	Washer - Flat	21 72 2	3296-16	Nut - Lock	24 37 1
3256-22	Washer - Flat	24 38 1	3296-16	Nut - Lock, Flange	5 41 3
3256-22	Washer - Flat	26 47 4	3296-16	Nut-Hex	13 40 4
3256-22	Washer - Flat	27 41 4	3296-23	Nut - Lock	5 25 8
3256-22	Washer - Flat	39 10 4	3296-29	Nut - Lock	7 45 2
3256-22	Washer - Flat	49 29 4	3296-29	Nut - Lock	10 36 4
3256-23	Washer - Flat	7 32 1	3296-29	Nut - Lock	21 76 1
3256-23	Washer - Flat	10 22 6	3296-29	Nut - Lock	22 4 4
3256-23	Washer - Flat	13 21 5	3296-29	Nut - Lock	25 31 2
3256-23	Washer - Flat	21 75 1	3296-29	Nut - Lock	28 27 2
3256-23	Washer - Flat	22 12 6	3296-29	Nut - Lock	36 6 2
3256-23	Washer - Flat	25 32 2	3296-39	Nut - Lock	10 11 2
3256-23	Washer - Flat	28 26 2	3296-39	Nut - Lock	20 27 2

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3296-39	Nut - Lock	25	18	2	32152-2	Nut - Lock	47	45	2
3296-39	Nut - Lock	27	5	6	32152-4	Nut - Lock	37	3	4
3296-39	Nut - Lock	35	6	12	32152-4	Nut - Lock	38	3	4
3296-39	Nut - Lock	40	12	3	32152-10	Nut	9	4	1
3296-39	Nut - Lock	48	16	1	32152-10	Nut-Lock	4	3	1
3296-39	Nut - Lock	49	4	4	32153-4	Nut - Lock	43	3	36
3296-42	Nut - Lock	5	9	8	32153-7	Nut - Lock	35	10	6
3296-42	Nut - Lock	25	29	2	3333-975	Cable Tie	24	31	1
3296-42	Nut - Lock	27	31	2	340-1	Fitting - Hydraulic Straight	14	70	1
3296-42	Nut - Lock	49	22	2	340-6	Fitting - Straight	22	19	1
3296-44	Nut - Lock	36	14	2	340-7	Fitting - Straight	13	14	1
3296-47	Nut - Lock	40	15	1	340-14	Fitting	5	13	4
3296-47	Nut - Lock	45	2	4	340-16	90° Fitting	13	4	1
3296-49	Nut - Lock	47	16	2	340-18	90° Elbow	13	12	1
3296-50	Nut - Lock	20	45	1	340-19	Fitting - Tee	13	17	1
3296-56	Nut - Lock	44	8	2	340-77	90° Elbow	14	52	3
3296-59	Nut - Hex, Jam	2	41	4	340-77	90° Fitting	22	21	1
3296-59	Nut - Lock	7	46	4	340-87	45° Fitting	14	58	2
3296-60	Nut - Lock	25	23	1	340-87	45° Fitting	22	23	2
3296-60	Nut - Lock	27	25	1	340-89	Elbow - 45°	44	6	2
3296-60	Nut - Lock	46	8	2	340-92	Fitting - Orifice Str.	24	32	1
3296-60	Nut - Lock	49	18	1	340-92	Fitting - Straight	1	18	1
3296-62	Nut	46	20	1	340-98	90° Elbow	14	59	2
32103-12	Nut - Wing	21	73	2	340-101	45° Fitting	13	16	3
32104-76	Screw - Tapping, Acorn Hd.	10	4	15	340-103	45° Elbow Adjustable	24	11	1
32105-8	Screw - Machine, Rd. Hd.	12	22	4	340-104	Tee - Swivel Run	44	21	1
32108-20	Screw - Flat Head	26	54	2	340-105	Elbow - 90° Adjustable	44	11	1
32108-20	Screw - Mach. Flat Hd.	45	3	2	340-110	Fitting - Hydraulic 90°	14	68	1
32108-20	Screw - Machine, Flat Hd.	28	40	2	351-78	Edging	10	29	2
32108-100	Screw - Mach. Phillips Hd.	5	15	3	351-79	Clip	10	27	6
32110-13	Screw - Set	48	13	2	351-80	Clip Joint	10	28	1
32120-3	Ring - Snap	35	13	6	351-81	Shell	10	25	1
32120-8	Ring - Retaining Internal	4	11	1	352-284	Bearing	41	5	1
32120-18	Ring - Retaining	47	42	1	353-301	Poppet	16	27	1
32120-76	Ring - Snap	44	10	2	353-302	O-Ring	16	10	3
32120-77	Ring - Retaining	39	7	1	353-302	O-Ring	18	7	3
32121-4	Pin - Roll, Slotted	44	3	2	353-302	O-Ring	42	1	2
32121-6	Pin - Roll	1	1	1	353-303	Back-Up Seal	42	2	4
32121-6	Pin - Roll	7	15	1	353-303	Ring - Backup	16	9	6
32121-15	Pin - Roll	47	9	2	353-303	Ring - Backup	18	8	6
32121-16	Pin - Roll	40	31	4	353-304	Spring	16	28	1
32121-34	Pin - Roll	10	7	1	353-305	O-Ring	16	8	4
32121-35	Pin - Roll	1	12	8	353-305	O-Ring	18	5	5
32121-45	Pin - Roll	1	3	3	353-305	O-Ring	42	4	2
32121-45	Pin-Roll	7	1	1	353-306	Ring - Backup	16	7	4
32121-45	Pin-Roll	7	5	2	353-306	Ring - Backup	18	4	5
32121-45	Pin-Roll	10	35	1	353-306	Washer - Backup	42	5	2
32122-2	Screw - Truss Hd.	27	*	1	353-328	Washer - Shim	16	15 A/R	
32122-2	Screw - Truss Head	49	*	1	353-328	Washer - Shim	18	32 A/R	
32122-22	Screw - Truss Head	26	*	1	353-329	Washer - Shim	16	16 A/R	
32122-35	Screw - Truss Head	52	8	1	353-329	Washer - Shim	18	33 A/R	
32128-20	Nut - Hex	8	59	1	353-330	Washer - Shim	16	17 A/R	
32128-20	Nut - Hex	13	18	3	353-330	Washer - Shim	18	34 A/R	
32128-20	Nut - Lock	12	10	1	353-331	O-Ring	16	29	1
32128-20	Nut - Lock, Flange	52	3	1	353-334	Cap - Relief	16	19	2
32128-25	Nut - Hex. Flange	45	7	2	353-334	Cap - Relief	18	36	2
32128-36	Nut - Flange	46	1	2	353-374	Fitting - 90° Adjustable El.	30	7	1
32128-36	Nut - Lock, Flange	27	40	2	353-374	Fitting - 90° Adjustable El.	31	9	1
32128-36	Nut - Nut, Flange	26	57	2	353-384	Fitting - Straight	31	8	1
32141-111	Nut - Hex Hd. Flange	3	83	1	353-392	Seal - Relief Poppet PTFE	16	13	2
32144-1	Screw - Thread Forming	22	38	8	353-392	Seal - Relief Poppet PTFE	18	30	2
32144-14	Screw - Cap, Hex. Hd.	8	66	9	353-398	Spring	18	35	1
32144-34	Screw	13	35	6	353-417	Collar Spring	16	40	2
32144-73	Screw - Round Hd.	25	5	5	353-417	Collar Spring	18	20	2
32144-73	Screw - Self Tapping	27	36	5	353-481	Plug - Load Check	16	5	3
32144-73	Screw - Self Tapping	49	25	5	353-481	Plug - Load Check	18	2	3
32149-2	Nut - Lock	20	51	2	353-484	Check	42	3	2
32149-2	Nut - Lock, Keps	12	15	1	353-503	Shutoff Valve Set	42	7	1
32149-7	Nut - Lock	12	23	1	353-529	Plate Seal	18	22	1
32151-29	Ring - Retaining	41	6	1	353-530	Spring	16	41	1
32151-35	Ring - Retaining	41	21	1	353-530	Spring	18	23	1
32151-41	Ring - Retaining	15	9	1					
32151-44	Ring - Retaining	40	5	1					

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353-531	Poppet Assy.	16 14 2	353-850	O-Ring	33 2 1
353-550	Plug Assembly	18 13 1	353-851	Body - Relief CP-RC Mod.	16 12 1
353-559	Retainer - Boot	16 22 2	353-851	Body - Relief CP-RC Mod.	18 29 2
353-559	Retainer - Boot	18 47 3	353-853	Bolt - Hex Hd.	18 10 3
353-560	Washer - Breather	16 23 2	353-854	Boot - Spool Assembly	17 * 2
353-560	Washer - Breather	19 48 3	353-854	Boot - Spool Assembly	19 * 3
353-563	Fitting - Straight	13 25 1	353-855	Spring	16 18 2
353-564	90° Fitting	14 53 1	353-855	Spring	18 44 1
353-575	Boot - Dust Cap	16 21 2	353-884	Key - Woodruff	23 11 4
353-575	Boot - Dust Cap	18 46 3	353-886	Ring - Retaining	23 12 2
353-579	Spring	16 45 1	353-891	Body	33 27 1
353-586	Bearing - Needle	15 13 4	353-892	Screw- 12 Pt.	33 1 4
353-588	Cover - Motor	15 3 1	353-893	Pin - Drive	33 24 1
353-591	Block - Anti-Extrusion	15 8 1	353-894	Pin - Dowel	33 26 2
353-592	Drive Shaft Assembly	15 16 1	353-895	Cover	33 7 1
353-593	Idler Gear Assembly	15 7 1	353-897	Washer-Seal	33 11 1
353-594	Seal Assembly	15 14 1	353-899	Cup- Seal	33 13 1
353-595	Wear Plate	15 15 1	353-900	Flange - Mounting	33 17 1
353-596	O-Ring	15 17 1	353-904	Shaft	33 19 1
353-597	Bridging - Insert	15 5 1	353-905	Screw	33 18 4
353-598	Gasket - Insert	15 6 1	353-906	Spring	33 10 1
353-599	Pin - Dowel	15 4 2	353-907	Ring - Retaining	33 6 3
353-600	Washer	15 2 4	353-909	Element - Gerotor	33 25 1
353-600	Washer - Flat	23 19 4	353-910	Bearing - Needle	33 8 2
353-601	Screw - Hex Socket Hd.	15 1 4	353-911	Plug	33 20 2
353-642	Relief - RC Mod.	17 * 2	353-912	Spring - Conical	33 21 2
353-642	Relief - RC Mod. Assembly	19 * 1	353-913	Bearing & Seal Kit	33 * 1
353-664	Ball	33 22 2	353-914	O-Ring	33 3 1
353-668	Plate - Cap Rt. Cover	18 11 1	353-916	Flange Assembly	23 3 1
353-721	Plug	16 35 2	353-917	O-Ring	23 4 1
353-727	Bonnet	16 2 1	353-918	Body Assembly	23 5 1
353-728	Sleeve	17 49 1	353-921	Plate Assembly	23 13 1
353-729	Spud - Detent	16 3 1	353-922	Seal Ring - Pump	23 14 8
353-730	Spring	18 42 1	353-923	Plate Assembly	23 16 2
353-731	Ball	18 43 1	353-927	Cover Assembly	23 17 1
353-732	Sleeve - Detent	17 52 1	353-931	Seal - Oil	23 2 1
353-733	Spacer - Bonnet	16 4 1	353-933	Coupling	30 5 2
353-733	Spacer - Bonnet	18 19 2	353-933	Coupling	31 6 2
353-758	O-Ring	16 31 1	353-933	Coupling	32 6 2
353-760	Body Relief	16 30 1	353-934	Coupling	30 3 2
353-763	Cap - Adjustment	16 44 1	353-934	Coupling	31 4 2
353-765	Disc - Seal	19 52 1	353-934	Coupling	32 4 2
353-766	Relief WH (2000) PSI Assy.	17 * 1	353-952	Ring - Backup	16 32 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 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

[illegible]

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

LTS-108587

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