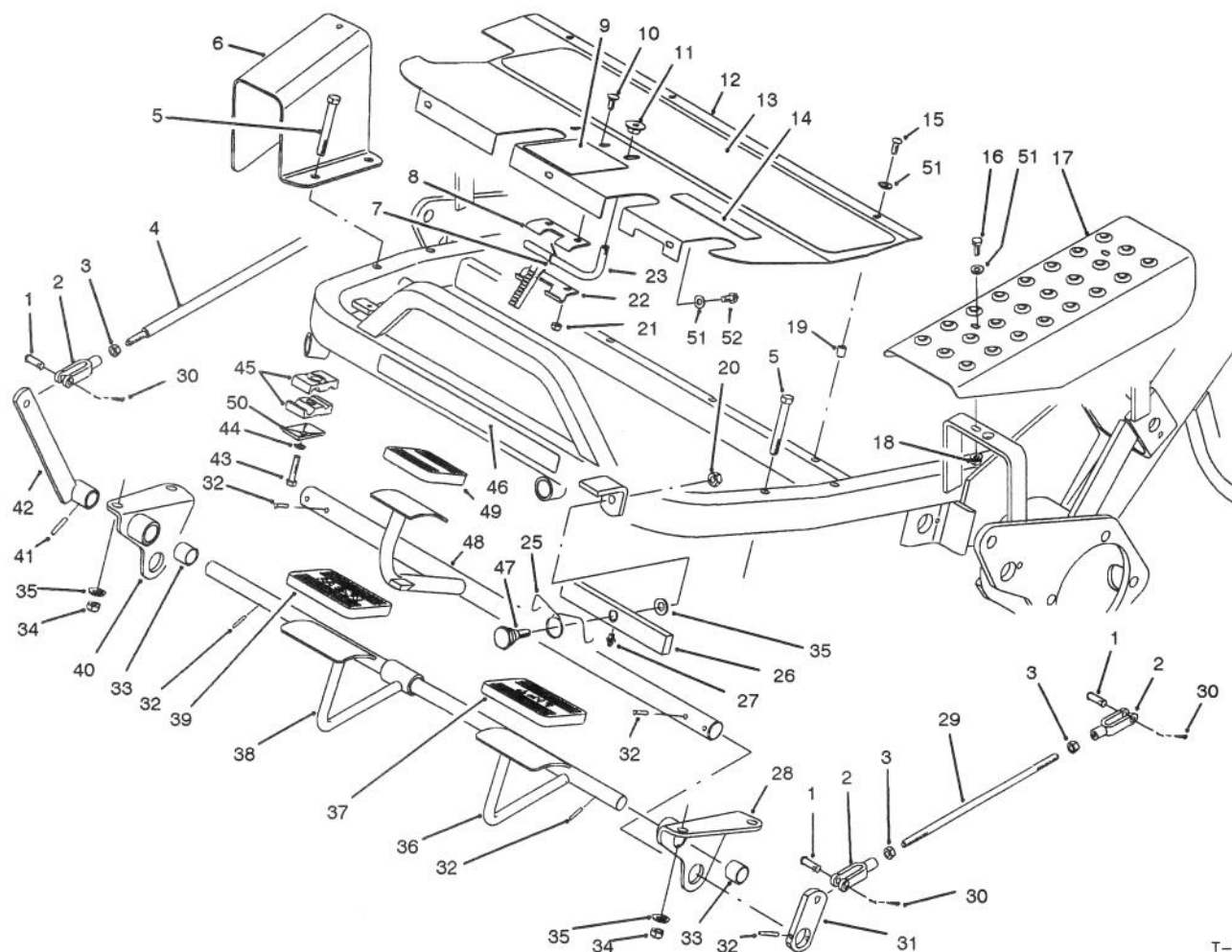


TORO®

MODEL NO. 04352-20001 & UP

PARTS CATALOG

GREENSMASTER® 3100 TRACTION UNIT WITH ACCESSORIES



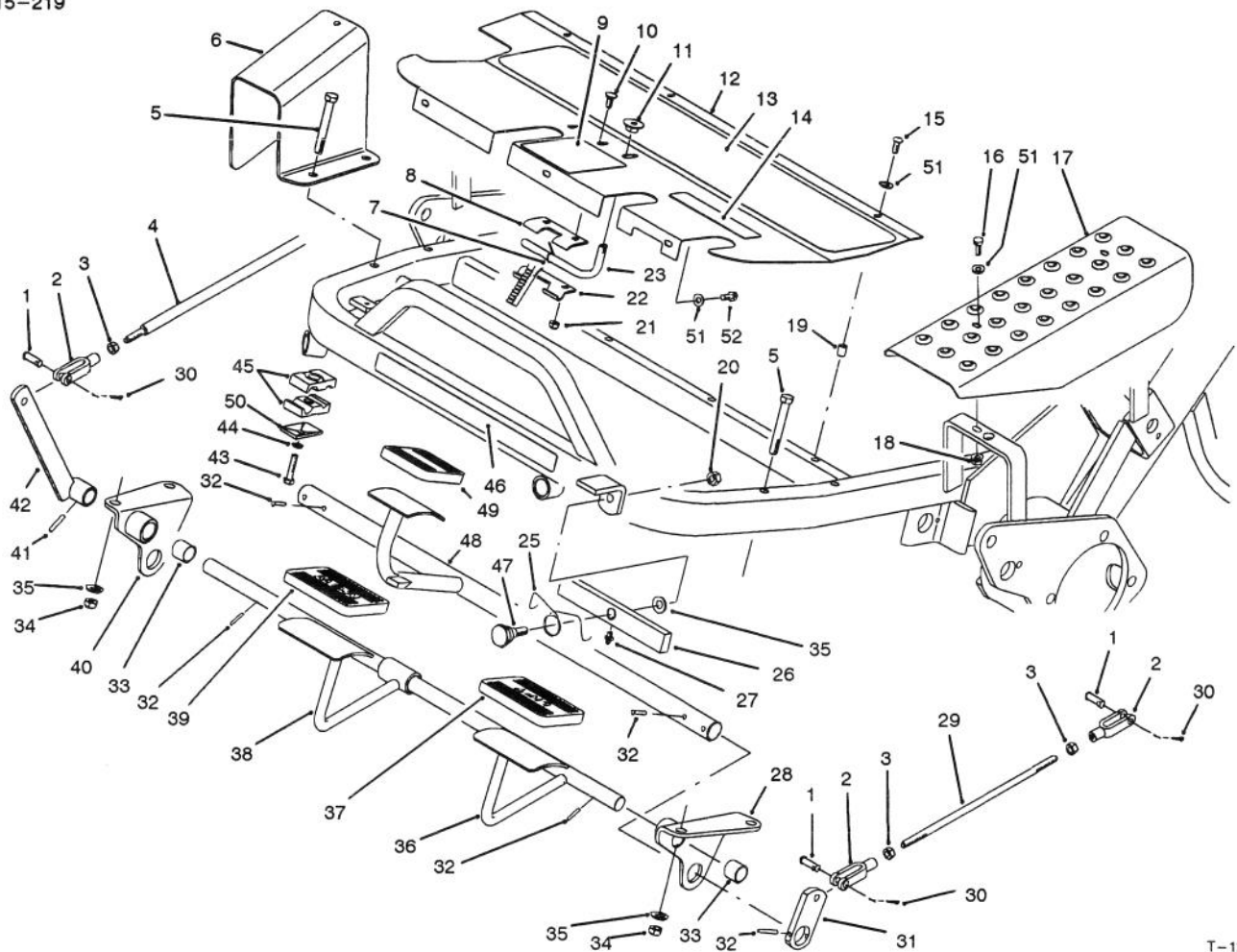
T-1285

CONTROL PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	283-61	Pin - Clevis	5
2	282-2	Clevis - Adjusting	5
3	3220-2	Nut - Jam	5
4	49-5430	Rod - Control	1
5	323-13	Screw - Cap Hex. Hd.	4
6	49-6110	Guard - Transfer Rod	1
7	10-8140	Spring - Torsion	1
8	10-7880	Hinge - Upper	1
9	83-2480	Decal - Parking Brake	1
10	3229-22	Bolt - Carriage	2
11	32141-111	Nut Flange Lock	1
12	83-0640	Plate - Footrest	1
13	49-6120	Pad - Footrest	1
14	83-2530	Decal - Mow/Lift	1
15	3274-31	Screw - Hex. Socket Hd.	4
16	321-4	Screw - Hex. Flange Hd.	2

Ref. No.	Part No.	Description	No. Used
17	83-0200	Cover - L.H.	1
18	32128-14	Nut - Flange Lock	2
19	32148-6	Insert - Threaded	8
20	3290-357	Nut - Lock	1
21	3296-42	Nut - Lock	2
22	10-7890	Hinge - Lower	1
23	10-7850	Latch - Parking Brake	1
25	83-0080	Spring - Torsion	1
26	83-0060	Lift - Pivot	1
27	302-5	Fitting - Grease	1
28	49-6090	Lift Pivot Bracket Assy. L.H. (Incl. Ref. #33)	1
29	27-2270	Rod - Brake Adjusting	2
30	3272-6	Pin - Cotter	5
31	10-8100	Strap - Brake Shaft	2
32	32121-35	Pin - Roll	8

TPS

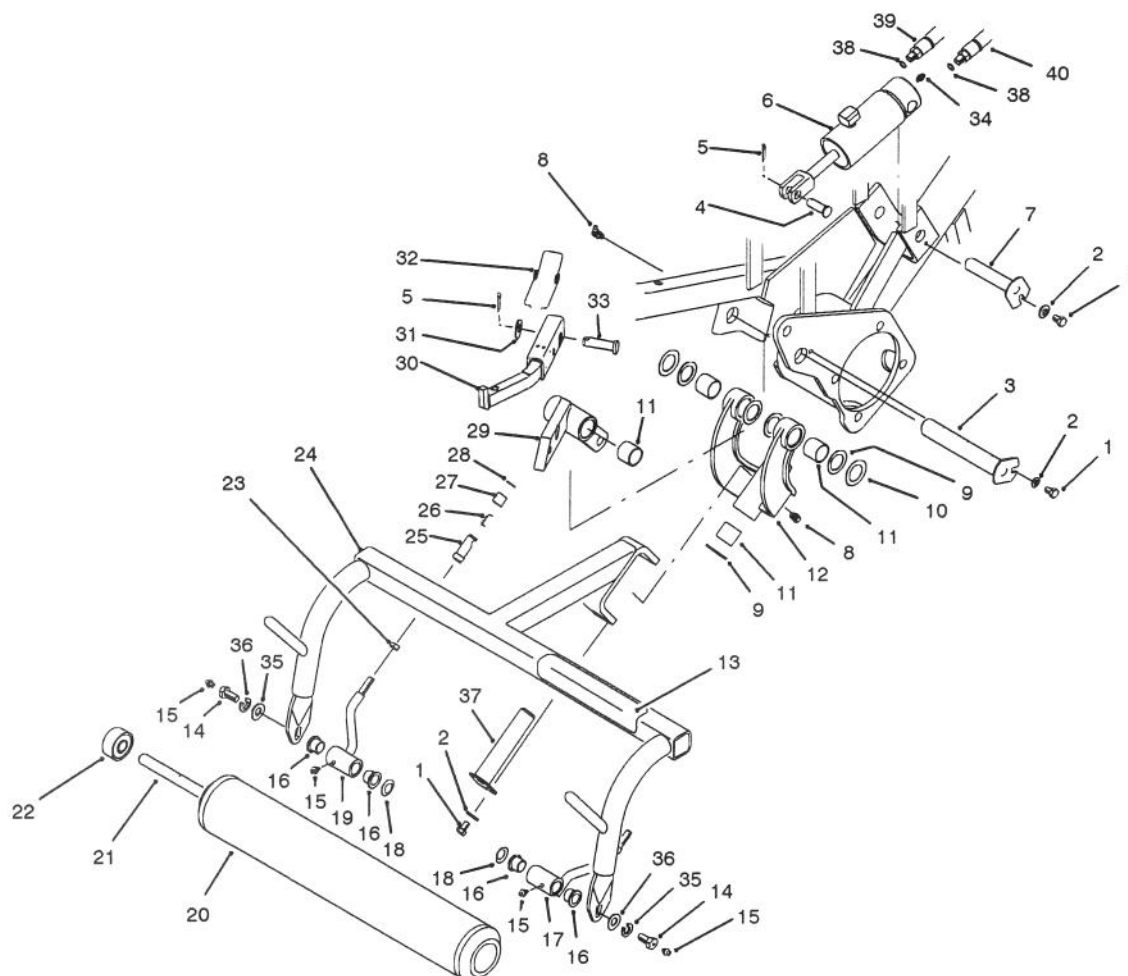


T-1285

CONTROL PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
33	256-32	Bushing - Sleeve	2
34	3296-59	Nut - Lock	4
35	3256-24	Washer - Flat	5
36	83-0180	Shaft - Cutting Control	1
37	10-8240	Pad - Lift	1
38	83-0140	Pedal - Mow	1
39	10-8250	Pad - Mow	1
40	49-6070	Lift Pivot Bracket Assy. R.H. (Incl. Ref. #33)	1
41	32121-6	Pin - Roll	1
42	49-6200	Lever - Cutting Control	1

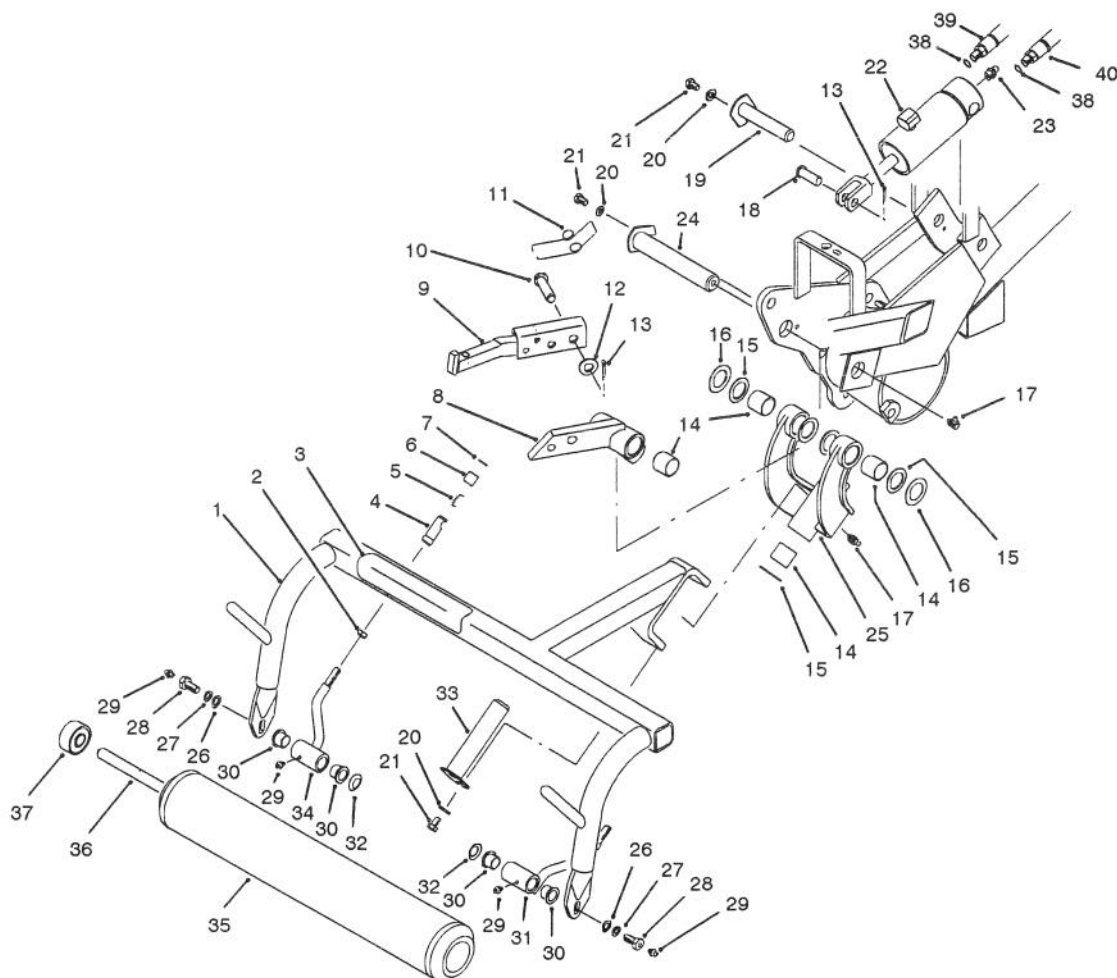
Ref. No.	Part No.	Description	No. Used
43	321-11	Screw - Cap Hex. Hd.	1
44	3253-3	Washer - Lock	1
45	56-7970	Clamp Half - Tube	2
46	83-1240	Decal - Greensmaster 3100	1
47	83-2590	Bolt - Shoulder	1
48	83-0160	Shaft - Brake	1
49	49-6170	Pad - Brake	1
50	69-9760	Plate - Cover	1
51	3256-22	Washer - Flat	10
52	321-3	Screw - Cap Hex. Hd.	3



T-1283

PULL FRAME ASSEMBLY L.H.

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-1	Screw - Cap Hex. Hd.	3	21	21-8470	Shaft - Roller	1
2	3256-23	Washer - Flat	3	22	251-141	Bearing - Ball	2
3	10-6110	Pin - Hinge	1	23	3220-3	Nut - Jam	2
4	283-8	Pin - Clevis	1	24	83-0090	Frame - Pull L.H.	1
5	3272-11	Pin - Cotter	2	25	8-7710	Ball Joint Receiver Assy. (Incl. Ref. #26-28)	2
6	83-2580	Cylinder - Lift	1	26		Spring - Compression	2
7	10-6060	Pin - Lift Cylinder	1	27		Sleeve	2
8	302-60	Fitting - Grease 90°	2	28		Ring - Retaining	2
9	10-8110	Washer - Thrust	6	29	62-2460	Lift Arm Assembly L.H. (Incl. Ref. #11)	1
10	5-1226	Washer - Shim	2	30	62-2390	Bar - Lift L.H.	1
11	3-0348	Bushing - Sleeve	6	31	3256-26	Washer - Flat	1
12	10-7820	Pivot Hinge Assembly (Incl. Ref. #11)	1	32	57-7650	Spring - Torsion	1
13	84-6560	Decal - Danger	1	33	63-8750	Pin - Pivot	1
14	11-0160	Roller Shaft Screw Assy. (Incl. Ref. #15)	2	34	302-2	Fitting - Grease Straight	1
15	302-5	Fitting - Grease Straight	4	35	3253-21	Washer - Lock	2
16	3-1506	Bushing - Flange	4	36	3256-24	Washer - Flat	2
17	52-2740	Pull Arm Assembly L.H. (Incl. Ref. #16)	1	37	10-6090	Pin - Pivot	1
18	3290-317	Washer - Wave	2	38	237-78	Seal - O-Ring	2
19	52-2750	Pull Arm Assembly R.H. (Incl. Ref. #16)	1	39	63-3850	Hose - Hydraulic (Incl. Ref. #38)	1
20	52-2720	Roller Assembly (Incl. Ref. #22)	1	40	83-1690	Hose - Hydraulic (Incl. Ref. #38)	1

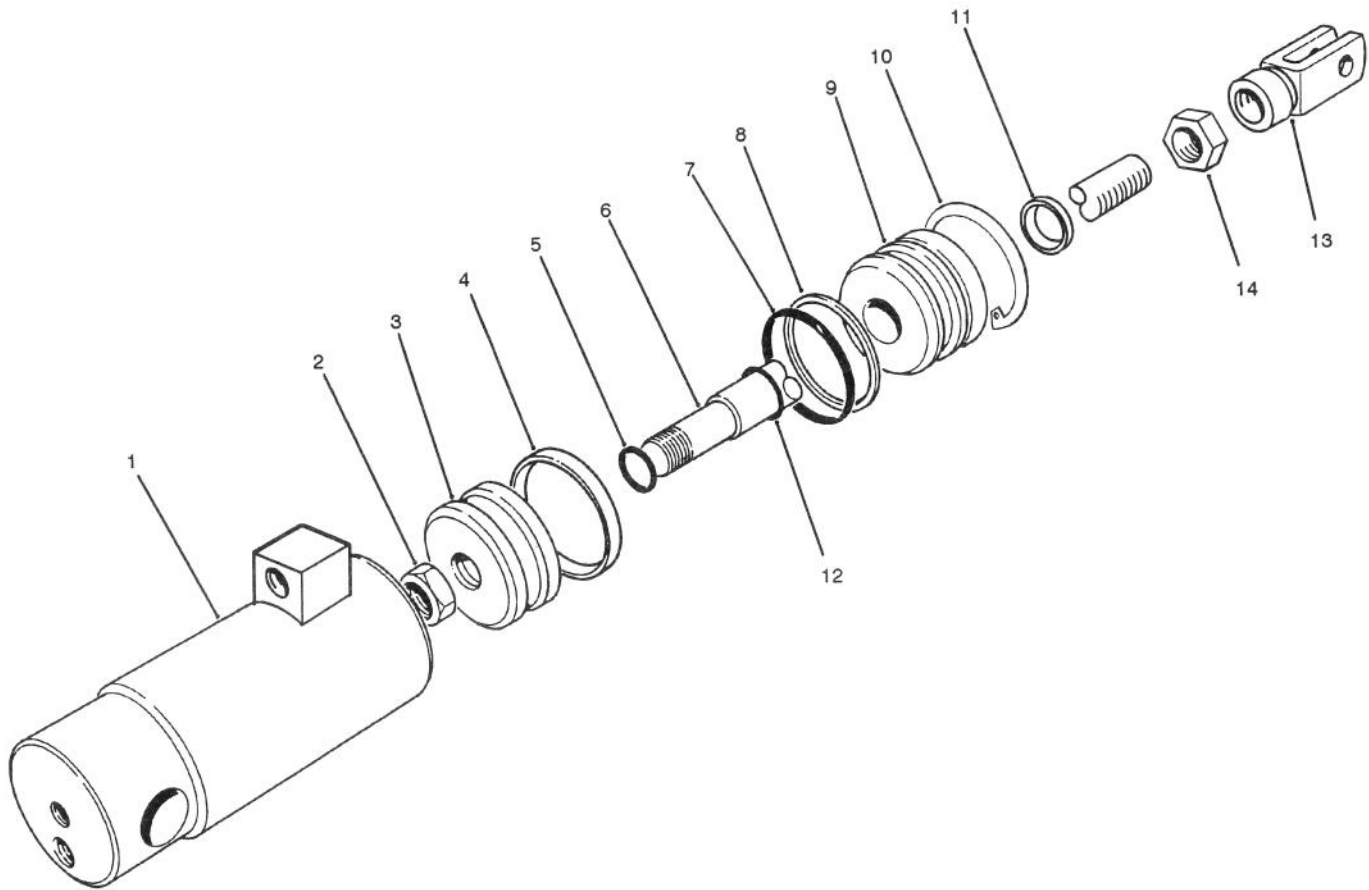


T-1284

PULL FRAME ASSEMBLY R.H.

Ref. No.	Part No.	Description	No. Used
1	83-0210	Frame - Pull R.H.	1
2	3220-3	Nut - Jam	2
3	84-6560	Decal - Danger	1
4	8-7710	Ball Joint Receiver Assy. (Incl. Ref. #5-7)	2
5		Spring - Compression	2
6		Sleeve	2
7		Ring - Retaining	2
8	62-2440	Lift Arm Assembly (Incl. Ref. #14)	1
9	62-2420	Bar - Lift	1
10	63-8750	Pin - Pivot	1
11	57-7650	Spring - Torsion	1
12	3256-26	Washer - Flat	1
13	3272-11	Pin - Cotter	2
14	3-0348	Bushing - Sleeve	6
15	10-8110	Washer - Thrust	6
16	5-1226	Washer - Shim	2
17	302-60	Fitting - Grease 90°	2
18	283-8	Pin - Clevis	1
19	10-6060	Pin - Pivot	1
20	3256-23	Washer - Flat	3
21	322-1	Screw - Cap Hex. Hd.	3
22	83-2580	Hydraulic Cylinder Assy.	1
23	302-2	Fitting - Grease	1

Ref. No.	Part No.	Description	No. Used
24	10-6110	Pin - Pivot	1
25	10-7820	Pivot Hinge Assembly (Incl. Ref. #14)	1
26	3256-24	Washer - Flat	2
27	3253-21	Washer - Lock	2
28	11-0160	Roller Shaft Screw Assy. (Incl. Ref. #29)	2
29	302-5	Fitting - Grease	4
30	3-1506	Bushing - Flange	4
31	52-2740	Pull Arm Assembly L.H. (Incl. Ref. #29 & 30)	1
32	3290-317	Washer - Wave	2
33	10-6090	Pin - Pivot	1
34	52-2750	Pull Arm Assembly R.H. (Incl. Ref. #29 & 30)	1
35	52-2720	Roller Assembly (Incl. Ref. #37)	1
36	21-8470	Shaft - Roller	1
37	251-141	Bearing - Ball	2
38	237-78	Seal - O-Ring	2
39	83-1210	Hose - Hydraulic (Incl. Ref. #38)	1
40	63-3880	Hose - Hydraulic (Incl. Ref. #38)	1



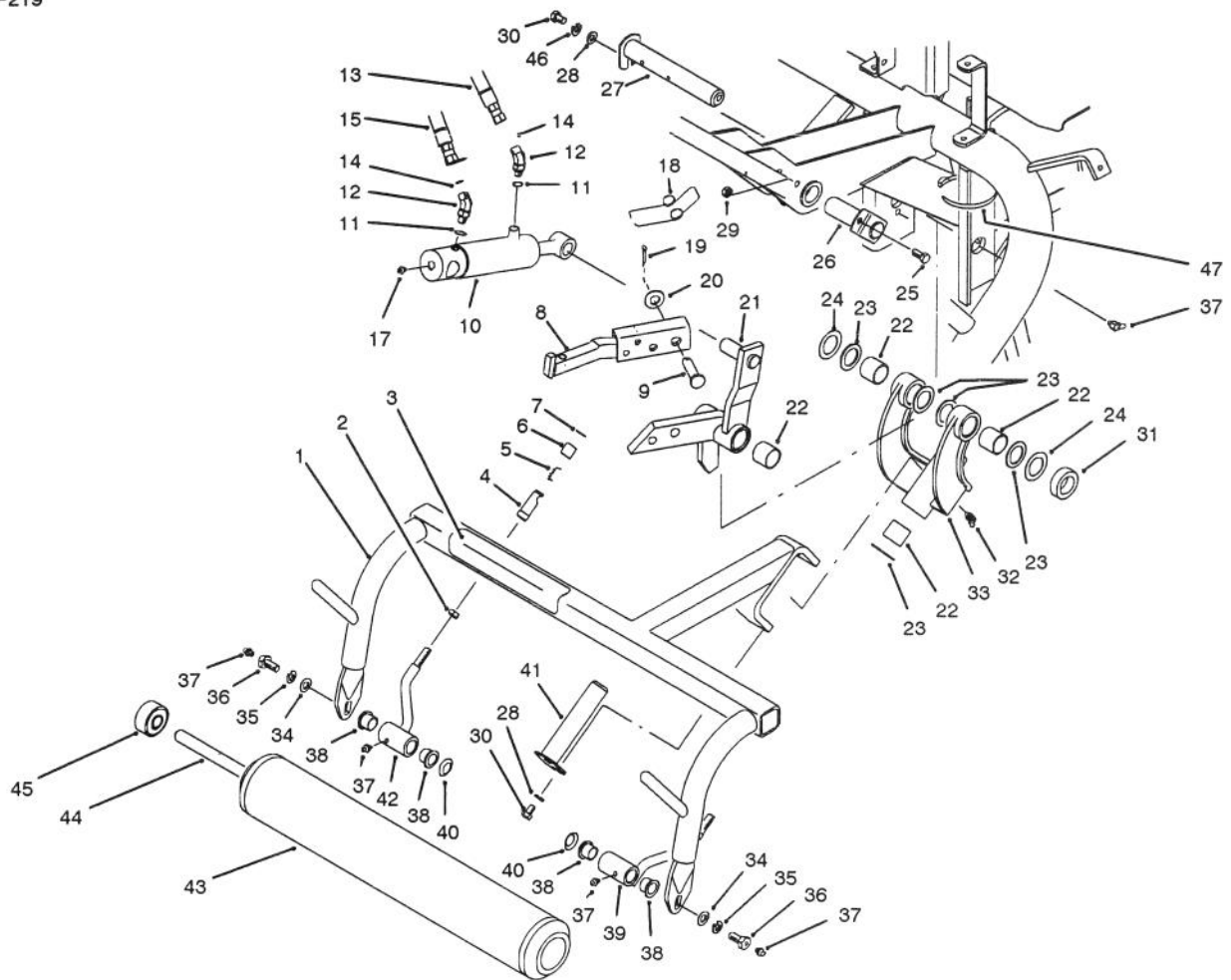
T-1246

HYDRAULIC CYLINDER ASSEMBLY NO. 83-2580

Ref. No.	Part No.	Description	No. Used
1		Barrel	1
2	32152-10	Nut - Lock	1
3	52-1990	Piston	1
4		Uniring	1
5		Seal - O-Ring	1
6	76-1860	Shaft	1
7		Seal - O-Ring	1
8		Washer - Back-Up	1
9	65-4860	Head	1

Ref. No.	Part No.	Description	No. Used
10	32120-8	Ring - Retaining	1
11		Seal - Dust	1
12		Seal - PDF	1
13	76-1850	Clevis	1
14	3220-6	Nut - Jam	1
*	86-5390	Seal Kit (Incl. Ref. #4, 5, 7, 8, 11 & 12)	1

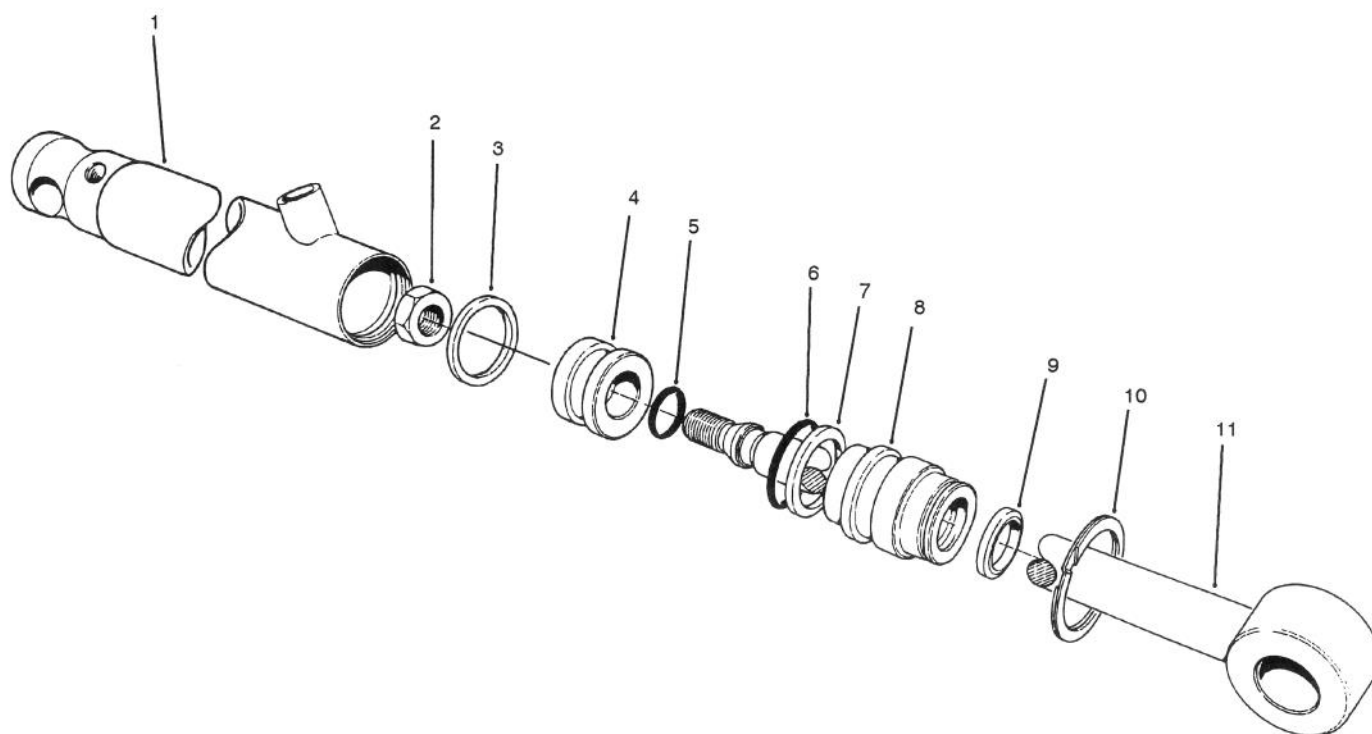
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T-1286

PULL FRAME ASSEMBLY REAR

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	83-0210	Frame - Pull Rear	1	26	68-5560	Pin - Cylinder Pivot	1
2	3220-3	Nut - Jam	2	27	27-2550	Pin - Pivot	1
3	84-6560	Decal - Danger	1	28	3256-23	Washer - Flat	2
4	8-7710	Ball Joint Receiver Assy. (Incl. Ref. 5-7)	2	29	3296-29	Nut - Lock	1
5		Spring - Compression	2	30	322-1	Screw - Cap Hex. Hd.	2
6		Sleeve	2	31	27-2540	Spacer - Hub	1
7		Ring - Retaining	2	32	302-60	Fitting - Grease 90°	1
8	62-2420	Bar - Lift	1	33	10-7820	Pivot Hinge Assembly (Incl. Ref. #22)	1
9	63-8750	Pin - Pivot	1	34	3256-24	Washer - Flat	2
10	83-7230	Hydraulic Cylinder Assembly	1	35	3253-21	Washer - Lock	2
11	237-35	Seal - O-Ring	2	36	11-0160	Roller Shaft Screw Assy. (Incl. Ref. #37)	2
12	340-103	Fitting - Hydraulic 45° (Incl. Ref. #12 & 15)	2	37	302-5	Fitting - Grease Straight	5
13	83-1680	Hose - Hydraulic	1	38	3-1506	Bushing - Flange	4
14	237-78	Seal - O-Ring	2	39	52-2740	Pull Arm Assembly L.H. (Incl. Ref. #38)	1
15	84-8260	Hose - Hydraulic	1	40	3290-317	Washer - Wave	2
17	302-2	Fitting - Grease	1	41	10-6090	Pin - Pivot	1
18	57-7650	Spring - Torsion	1	42	52-2750	Pull Arm Assembly R.H. (Incl. Ref. #38)	1
19	3272-11	Pin - Cotter	1	43	52-2720	Roller Assembly (Incl. Ref. #45)	1
20	3256-26	Washer - Flat	1	44	21-8470	Shaft - Roller	1
21	68-5380	Lift Arm Assembly (Incl. Ref. #22)	1	45	251-141	Bearing - Ball	2
22	3-0348	Bushing - Sleeve	6	46	3253-4	Washer - Lock	1
23	10-8110	Washer - Thrust	6	47	3290-37	Tie - Cable	1
24	5-1226	Washer - Shim	2				
25	322-3	Screw - Cap Hex. Hd.	1				



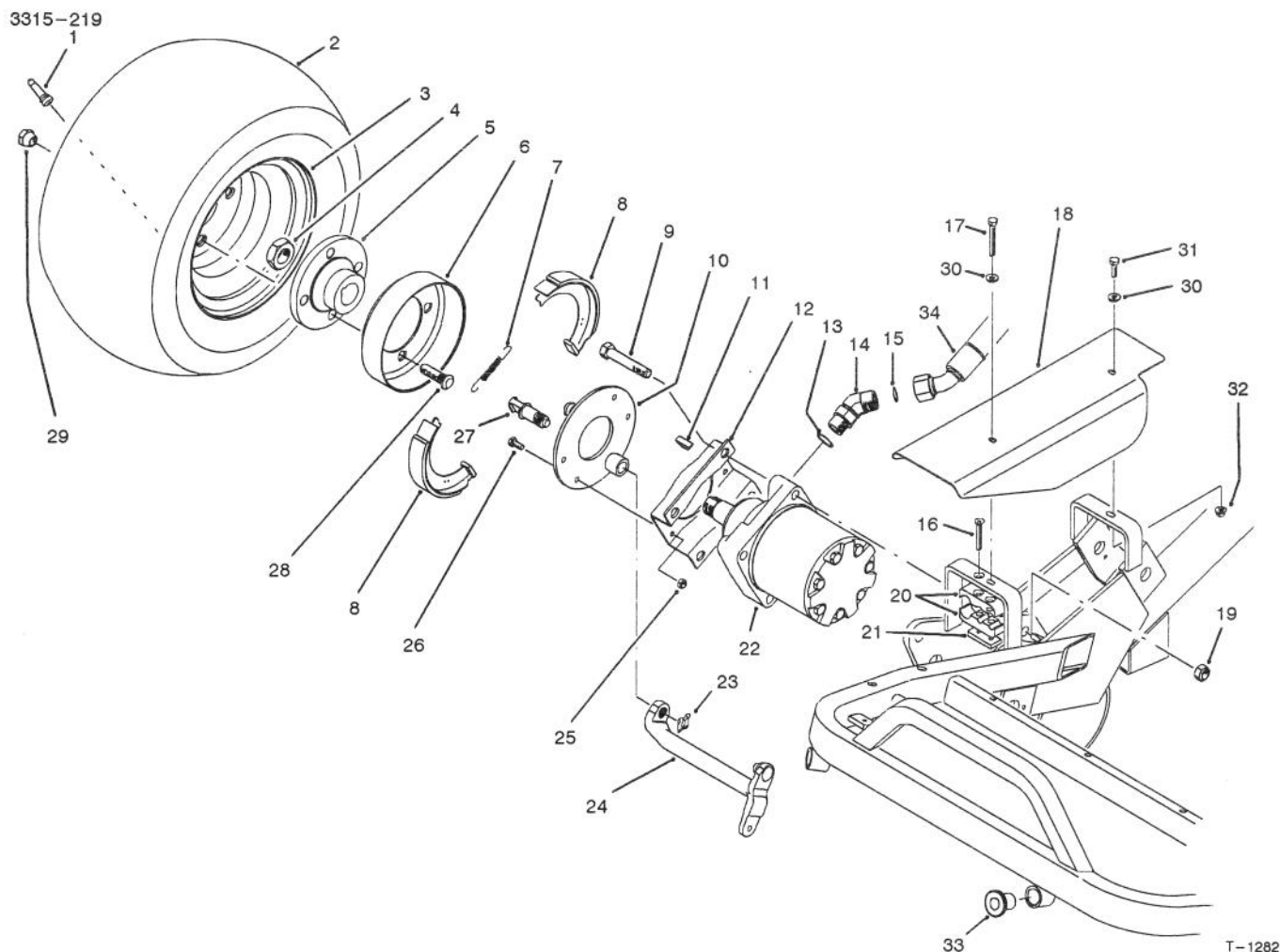
T-0640

HYDRAULIC CYLINDER NO. 83-7230

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

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

*Not Illustrated

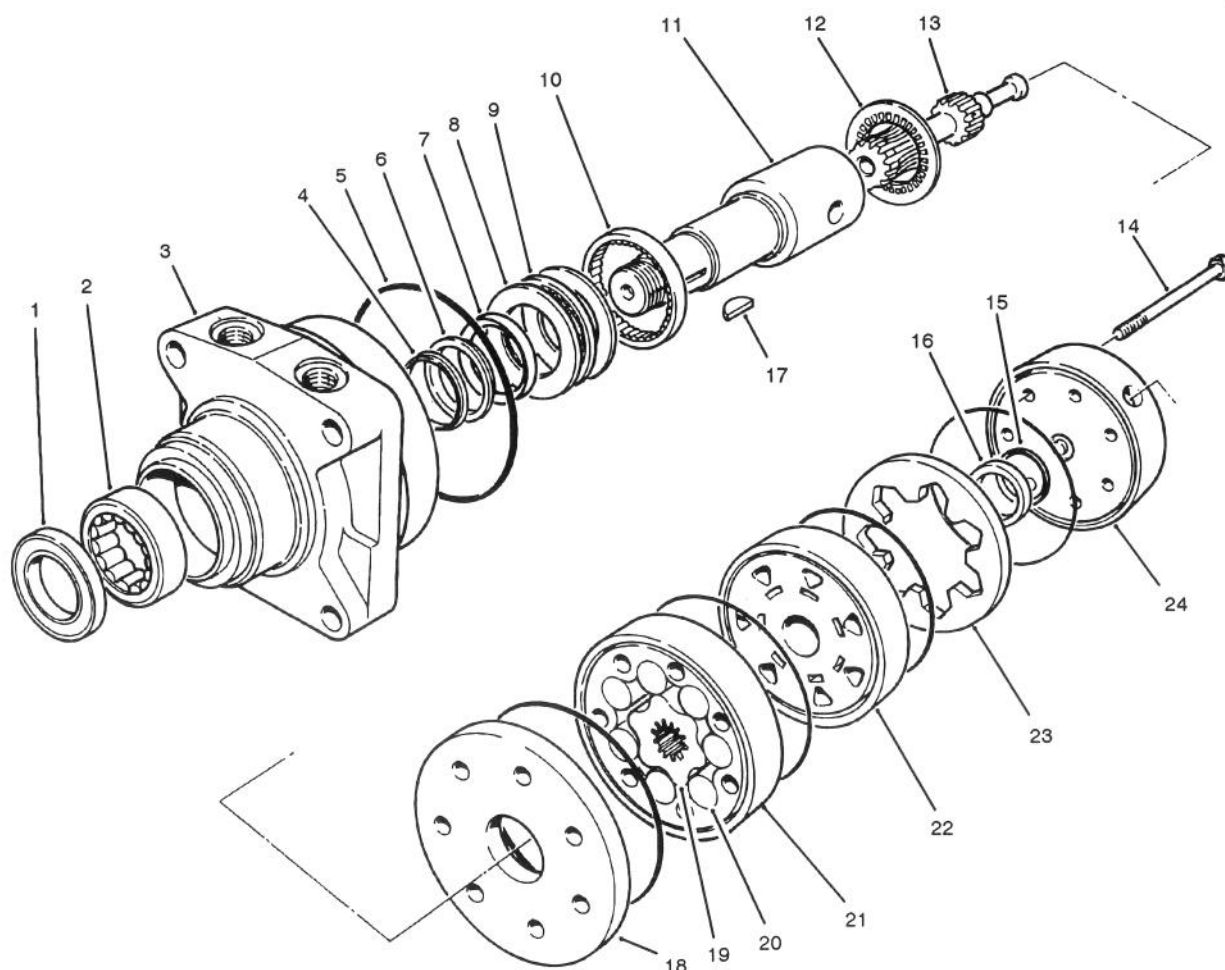


FRONT WHEEL & BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	232-24	Stem - Valve	2
2	28-3680	Tire	2
3	217-60	Rim	2
4	26-3790	Nut - Lock	2
5	10-6870	Hub - Wheel	2
6	10-6850	Drum - Brake	2
7	70-9880	Spring - Return	4
8	70-9840	Shoe - Brake	4
9	325-11	Screw - Cap Hex. Hd.	8
10	70-9870	Plate - Backing	2
11	3257-42	Key - Woodruff	2
12	84-2000	Bracket - Brake	2
13	237-80	Seal - O-Ring	2
14	340-14	Fitting - Hydraulic 45° (Incl. Ref. #13 & 15)	4
15	237-65	Seal - O-Ring	2
16	3289-20	Screw - Flat Hd.	2
17	321-11	Screw - Hex. Washer Hd.	1
18	83-0190	Cover - R.H.	1
19	3296-23	Nut - Lock	8
20	57-6140	Clamp Half - Tube	2

Ref. No.	Part No.	Description	No. Used
21	83-1220	Plate - Clamp	1
22	75-9990	Motor - Hydraulic	2
23	70-9850	Clip - Retaining	2
24	71-1510	Arm - Brake	2
25	3296-42	Nut - Lock	8
26	321-5	Screw - Cap Hex. Hd.	8
27	70-9860	Cam - Brake	2
28	85-6540	Stud - Drive	8
29	242-50	Nut - Lug	8
30	3256-22	Washer - Flat	2
31	321-4	Screw - Cap Hex. Hd.	1
32	32128-14	Nut - Lock	1
33	83-1700	Bushing - Flange	2
34	83-2450	Hose - Hydraulic (Top)	1
*	83-2460	Hose - Hydraulic (Bottom)	1
*	10-6821	Brake Drum Assembly (Incl. Ref. #5, 6 & 28)	2
*	71-1500	Brake Assembly (Incl. Ref. #7, 8, 10, 23 & 27)	2

*Not Illustrated



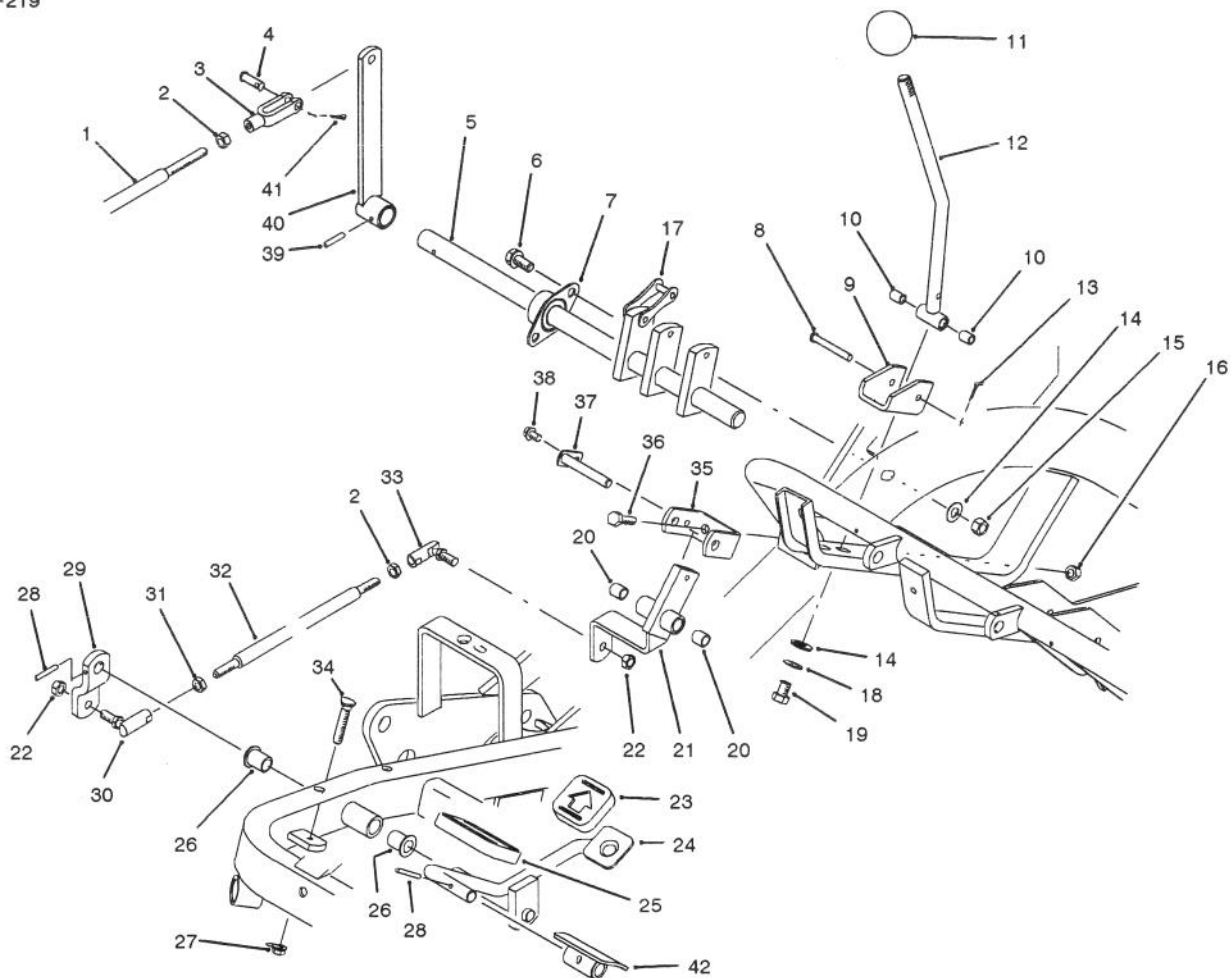
T-0983

HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 75-9990

Ref. No.	Part No.	Description	No. Used
1		Seal - Dirt & Water	1
2		Bearing	1
3		Housing	1
4		Washer - Back-Up	1
5		Ring - Seal	5
6		Washer - Back-Up	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

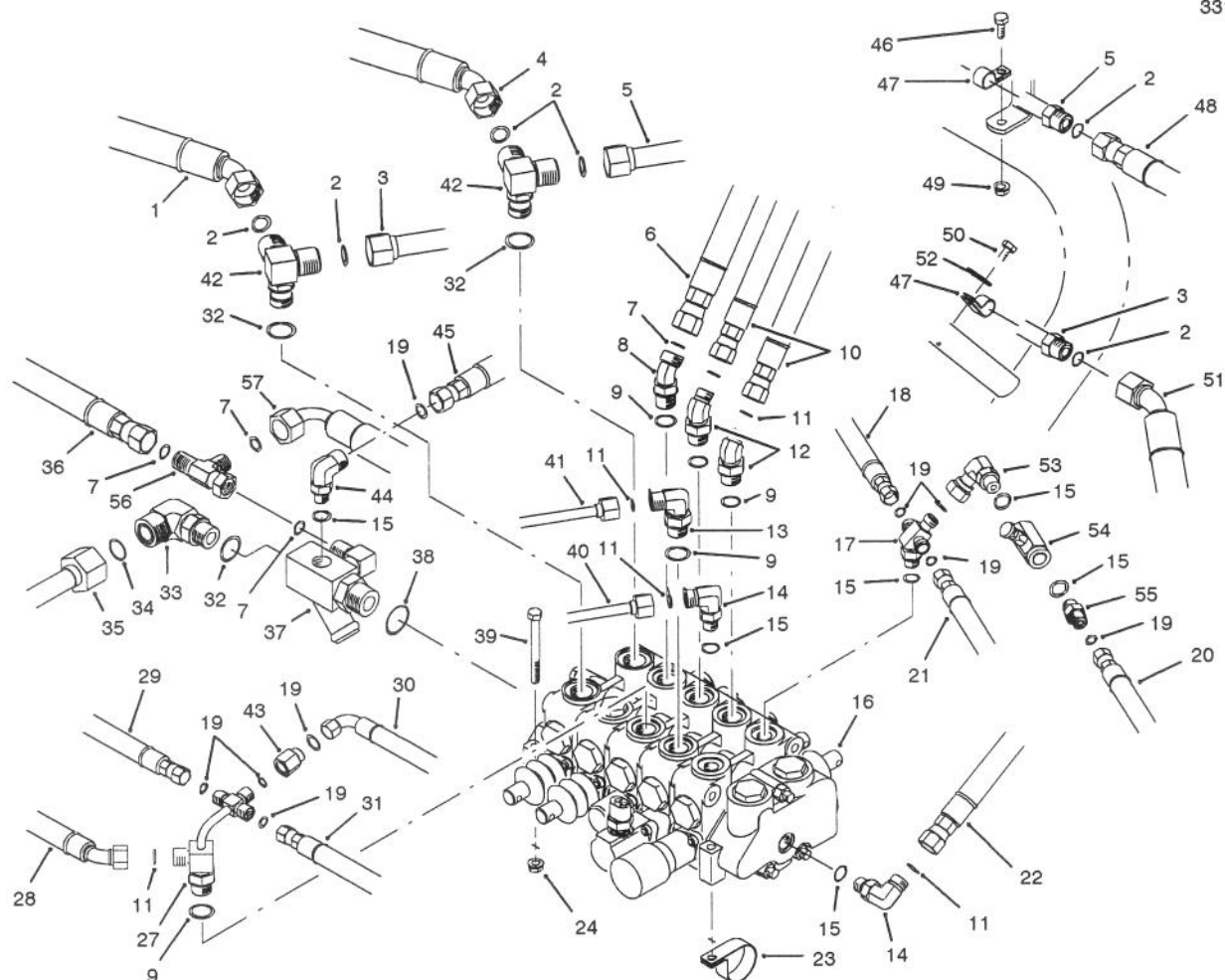


T-1287

TRACTION CONTROLS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	49-5430	Rod - Control	1
2	3220-2	Nut - Jam	2
3	282-2	Clevis - Rod	1
4	283-61	Pin - Clevis	1
5	44-0870	Shaft - Cam	1
6	3234-1	Screw - Hex. Flange Hd.	4
7	27-2320	Bearing - Flange	2
8	283-57	Pin - Clevis	1
9	49-6220	Bracket - Control Arm	1
10	256-251	Bushing - Sleeve	2
11	233-48	Knob	1
12	83-0590	Traction Handle Assembly (Incl. Ref. #10)	1
13	3272-4	Pin - Cotter	1
14	3256-24	Washer - Flat	6
15	3296-59	Nut - Lock	4
16	3296-29	Nut - Lock	2
17	57-6220	Link	5
18	3254-6	Washer - I.T.L.W.	2
19	3211-2	Screw - Cap Hex. Hd.	2
20	256-2	Bushing - Sleeve	2
21	49-6260	Pivot - Traction	1

Ref. No.	Part No.	Description	No. Used
22	3296-4	Nut - Lock	2
23	74-9110	Pad - Reverse Pedal	1
24	83-0540	Pedal - Traction	1
25	74-9100	Pad - Forward Pedal	1
26	256-219	Bushing - Flange	2
27	32128-20	Nut - Flange Lock	1
28	32121-45	Pin - Roll	2
29	83-0630	Arm - Traction Pivot	1
30	2411-42	Joint - Ball L.H. Thread	1
31	3220-20	Nut - Jam L.H. Thread	1
32	83-0580	Rod - Traction Control	1
33	2411-43	Joint - Ball R.H. Thread	1
34	77-0480	Screw - Traction Stop	1
35	49-6250	Bracket - Traction Pivot	1
36	322-5	Screw - Cap Hex. Hd.	2
37	49-6290	Shaft - Traction Pivot	1
38	12-3270	Screw - Hex. Washer Hd.	1
39	32121-6	Pin - Roll	1
40	47-5320	Lever - Control	1
41	3272-6	Pin - Cotter	1
42	49-6440	Pedal - Forward	1

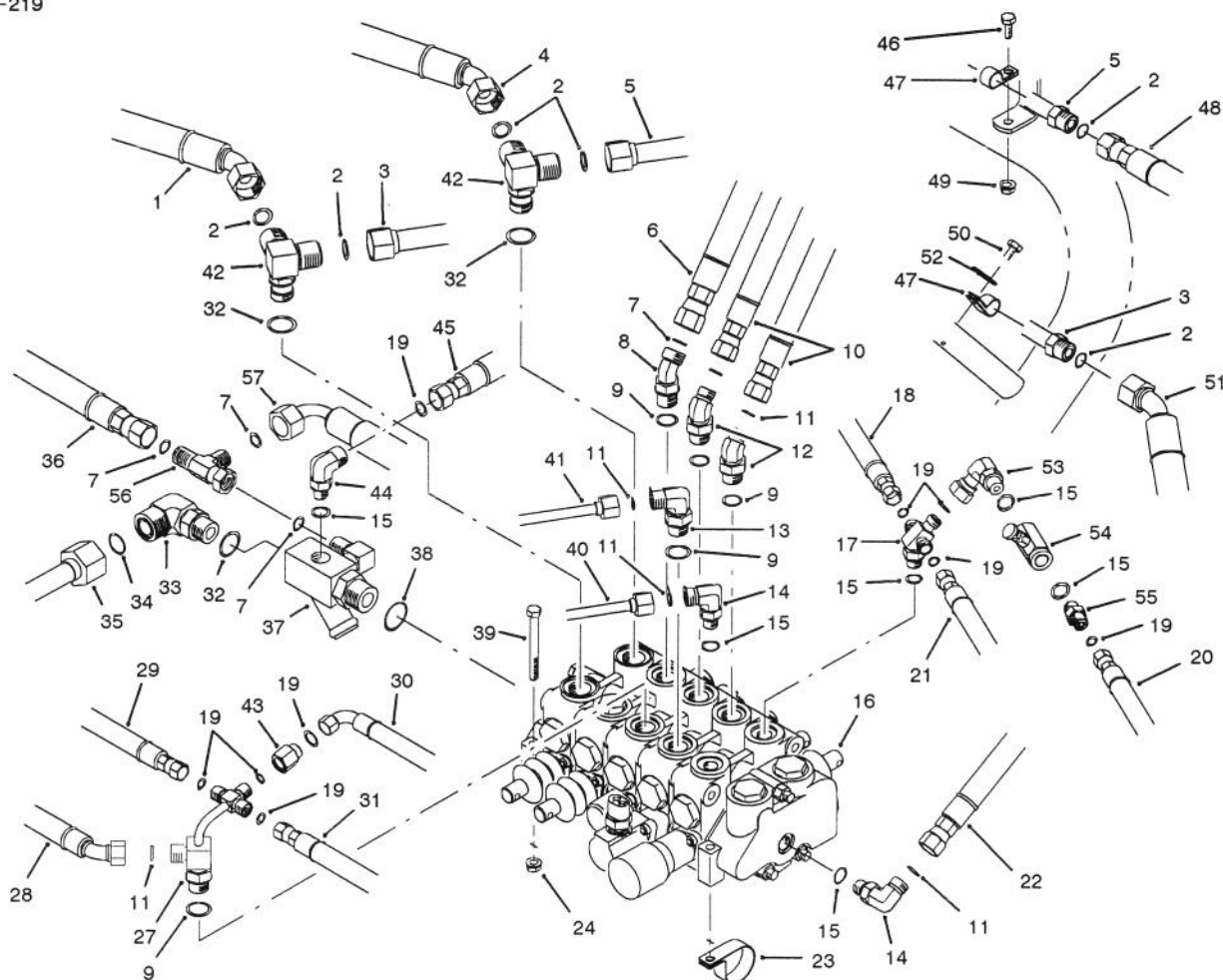


T-1446

CONTROL VALVE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	83-2450	Hose - Hydraulic	1
2	237-65	Seal - O-Ring	6
3	70-7130	Tube Assy. (Incl. Ref. #2)	1
4	83-2460	Hose - Hydraulic	1
5	83-1200	Tube Assy. (Incl. Ref. #2)	1
6	68-5820	Hose - Hydraulic	1
7	237-30	Seal - O-Ring	4
8	340-101	Fitting - Hydraulic 45° (Incl. Ref. #7 & 9)	1
9	237-79	Seal - O-Ring	5
10	83-1190	Hose - Hydraulic	2
11	237-22	Seal - O-Ring	6
12	340-138	Fitting - Hydraulic 45° (Incl. Ref. #9 & 11)	2
13	340-18	Fitting - Hydraulic 90° (Incl. Ref. #9 & 11)	1
14	340-77	Fitting - Hydraulic 90° (Incl. Ref. #11 & 15)	2
15	237-42	Seal - O-Ring	6
16	84-2202	Control Valve Assembly	1
17	84-7880	Fitting - Crows Foot (Incl. Ref. #15 & 19)	1
18	83-3880	Hose - Hydraulic	1
19	237-21	Seal - O-Ring	9
20	84-8260	Hose - Hydraulic	1
21	83-1690	Hose - Hydraulic	1

Ref. No.	Part No.	Description	No. Used
22	83-1170	Hose - Hydraulic	1
23	304-61	Clamp - R	1
24	32128-20	Nut - Flange Lock	3
27	83-1670	Fitting - Special (Incl. Ref. #9, 11 & 19)	1
28	74-3830	Hose - Hydraulic	1
29	63-3880	Hose - Hydraulic	1
30	83-1680	Hose - Hydraulic	1
31	63-3850	Hose - Hydraulic	1
32	237-80	Seal - O-Ring	3
33	340-16	Fitting - Hydraulic 90° (Incl. Ref. #32 & 34)	1
34	237-58	Seal - O-Ring	1
35	63-4040	Tube - Hydraulic	1
36	63-3840	Hose - Hydraulic	1
37	68-5260	Fitting - Manifold Tee (Incl. Ref. #7 & 38)	1
38	237-81	Seal - O-Ring	1
39	322-14	Screw - Cap Hex. Hd.	3
40	63-4020	Tube - Hydraulic	1
41	63-4030	Tube - Hydraulic	1
42	63-4050	Fitting - Tee (Incl. Ref. #2 & 32)	2
43	71-0990	Orifice (Incl. Ref. #19)	1
44	340-83	Fitting - Hydraulic 90° (Incl. Ref. #15 & 19)	1

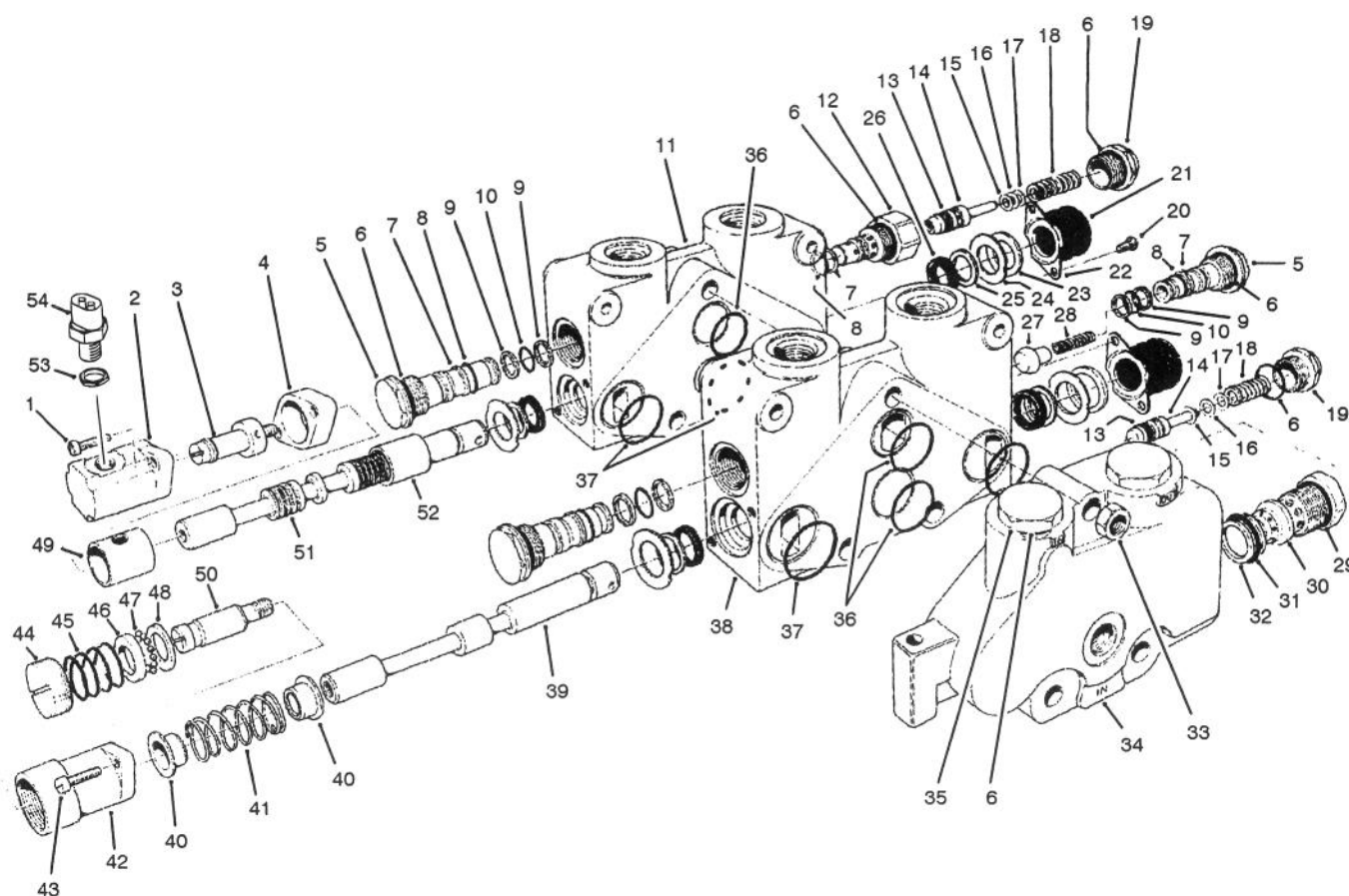


T-1446

CONTROL VALVE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
45	84-8730	Hose - Hydraulic	1
48	70-7150	Hose - Hydraulic	1
49	3296-42	Nut - Lock	1
50	12-3270	Screw - Thread Forming	1
51	70-8610	Hose - Hydraulic	1
52		Washer - Flat	1
53	340-110	Fitting - Hydraulic 90° (Incl. Ref. #15)	1

Ref. No.	Part No.	Description	No. Used
54	76-2810	Valve - Needle	1
55	340-1	Fitting - Hydraulic Straight (Incl. Ref. #15 & 19)	1
56	340-104	Fitting - Hydraulic Tee (Incl. Ref. #7)	1
57	68-5790	Hose - Hydraulic	2

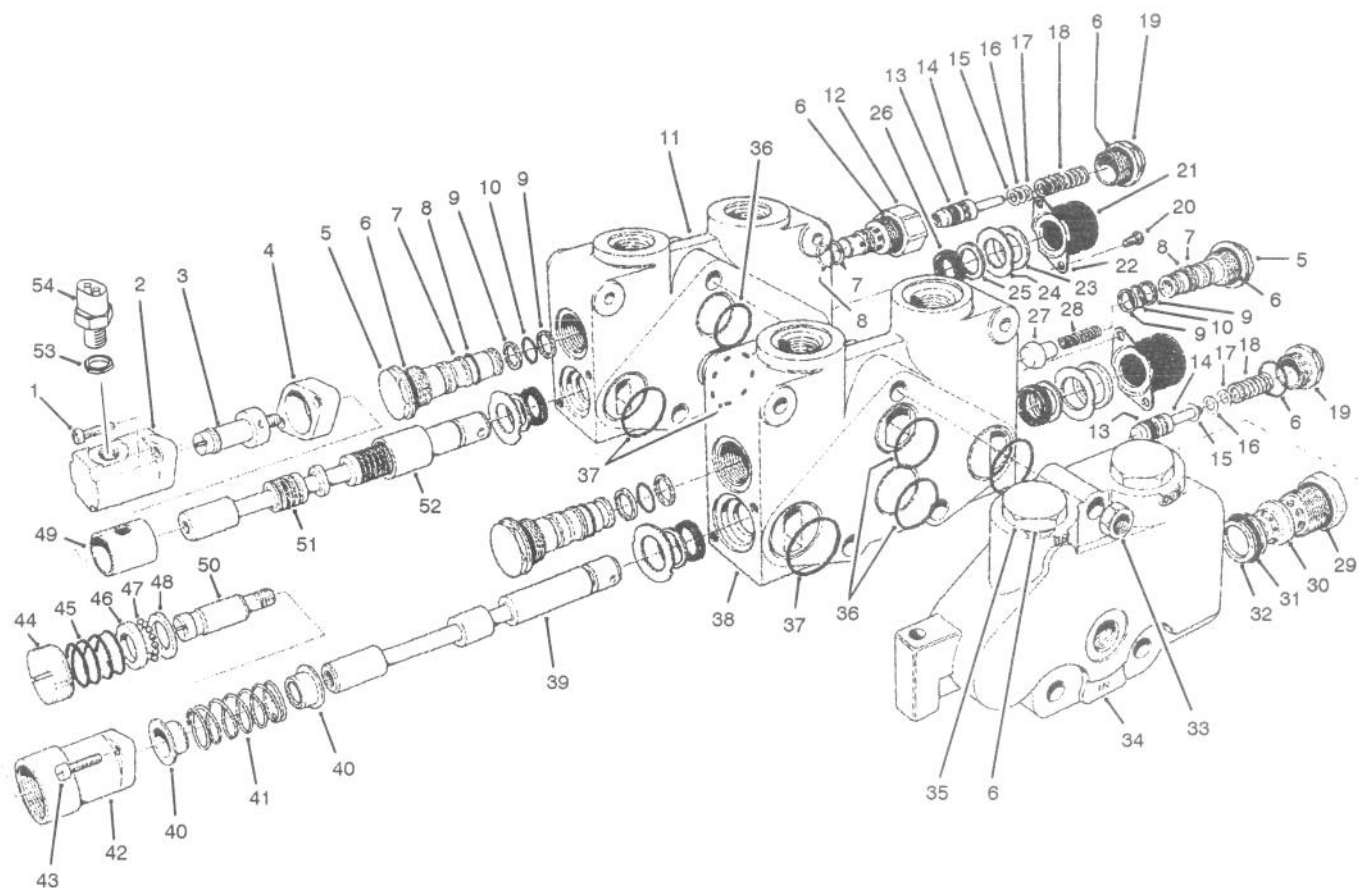


T-1318

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-70	Screw - Hex, Socket Hd.	2	24	353-959	Plate - Seal Retainer	4
2	353-727	Bonnet	1	25	353-958	Ring - Backup	4
3	353-729	Spud - Detent	1	26	353-957	Seal - Lip	4
4	353-733	Spacer - Bonnet	1	27	353-301	Poppet	1
5	353-481	Plug - Load Check (Incl. Ref. #6-10)	3	28	353-304	Spring	1
6	237-54	O-Ring	8	29	353-331	O-Ring	1
7	353-306	Ring - Backup	4	30	353-760	Body Relief	1
8	353-305	O-Ring	4	31	353-758	Seal - O-Ring	1
9	353-303	Ring - Backup	6	32	353-952	Ring - Backup	1
10	353-302	O-Ring	3	33	3217-7	Nut - Hex	3
11		Housing V20T	1	34	353-772	Left End Cover	1
12	353-851	Body - Relief CP-RC Mod.	1	35	353-721	Plug (Incl. Ref. #6)	2
13	353-392	Seal - Relief Poppet PTFE	2	†36		O-Ring	3
14	353-531	Poppet Assy. (Incl. Ref. #13)	2	†37		O-Ring	4
15	353-328	Washer - Shim	A/R	†38		Housing Section #1	1
16	353-329	Washer - Shim	A/R	†39		Spool V20 SPL	1
17	353-330	Washer - Shim	A/R	40	353-417	Collar Spring	2
18	353-855	Spring	2	41	353-530	Spring	1
19	353-334	Cap - Relief	2	42	353-780	Bonnet - R. Detent	1
20	3274-52	Screw - Hex, Socket Hd.	4	43	3274-15	Screw - Fillister Hd.	2
21	353-575	Boot - Dust Cap	2	44	353-763	Cap - Adjustment	1
22	353-559	Retainer - Boot	2	45	353-579	Spring	1
23	353-560	Washer - Breather	2	46	42-2680	Race R. Detent	1
				47	52-5880	Ball - Steel	12

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



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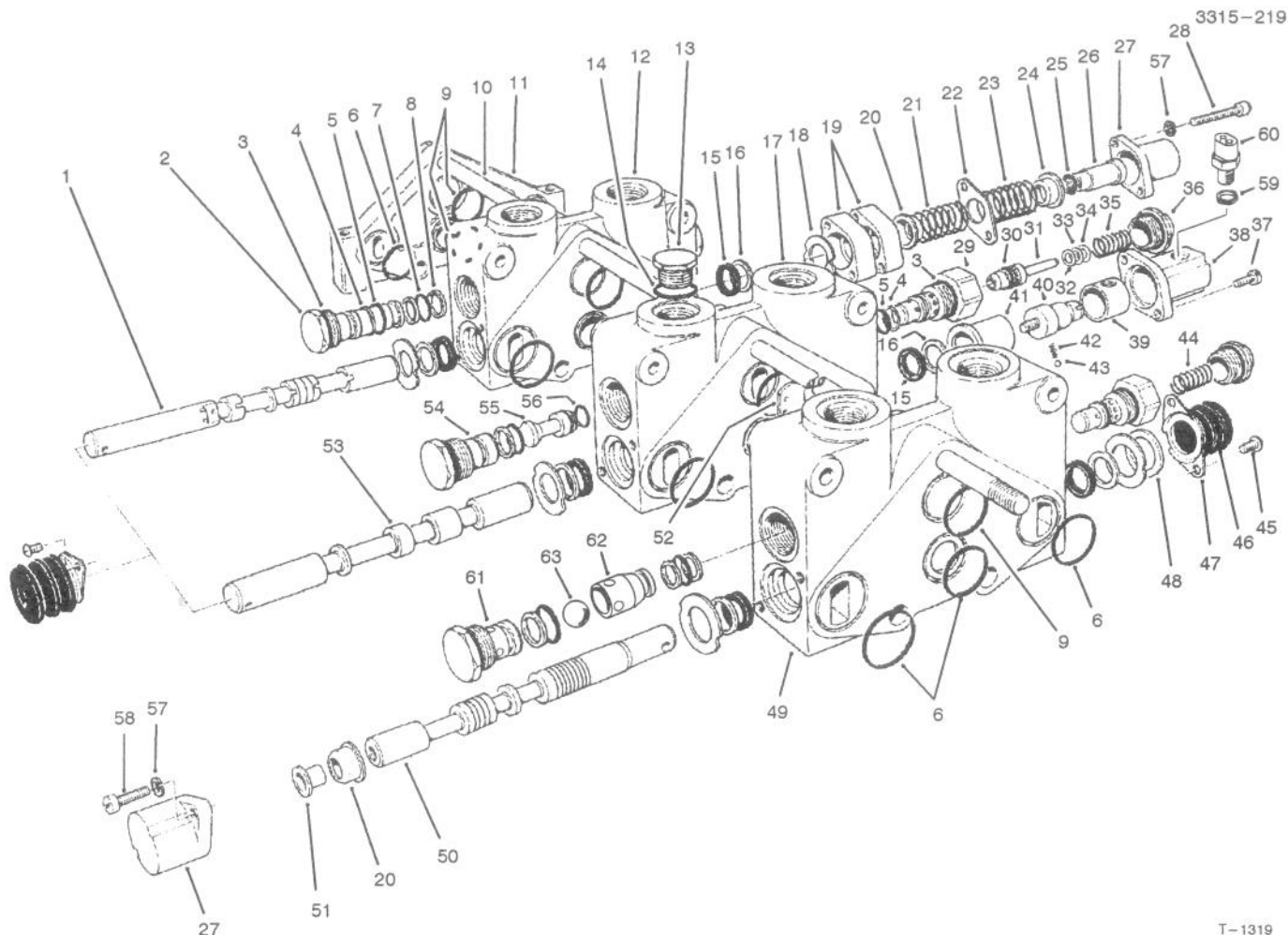
CONTROL VALVE ASSEMBLY NO. 84-2202 (Sections 1 And 2) (Continued)

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

Ref. No.	Part No.	Description	No. Used
*	353-839	(Incl. Ref. #3 & 40-49) Positioner - DI (SPL) Assy. (Incl. Ref. #1, 3-5, 50 & 52)	1
*	353-642	Relief - RC Mod. (Incl. Ref. #6-8 & 12-19)	2
*	353-835	Seals - Section Set (Incl. Ref. #36 & 37)	1
*	12-7009	Seal - Spool Set (Incl. Ref. #24-26)	1
*	353-854	Boot - Spool Assembly (Incl. Ref. #20-23)	2

*Not Illustrated

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



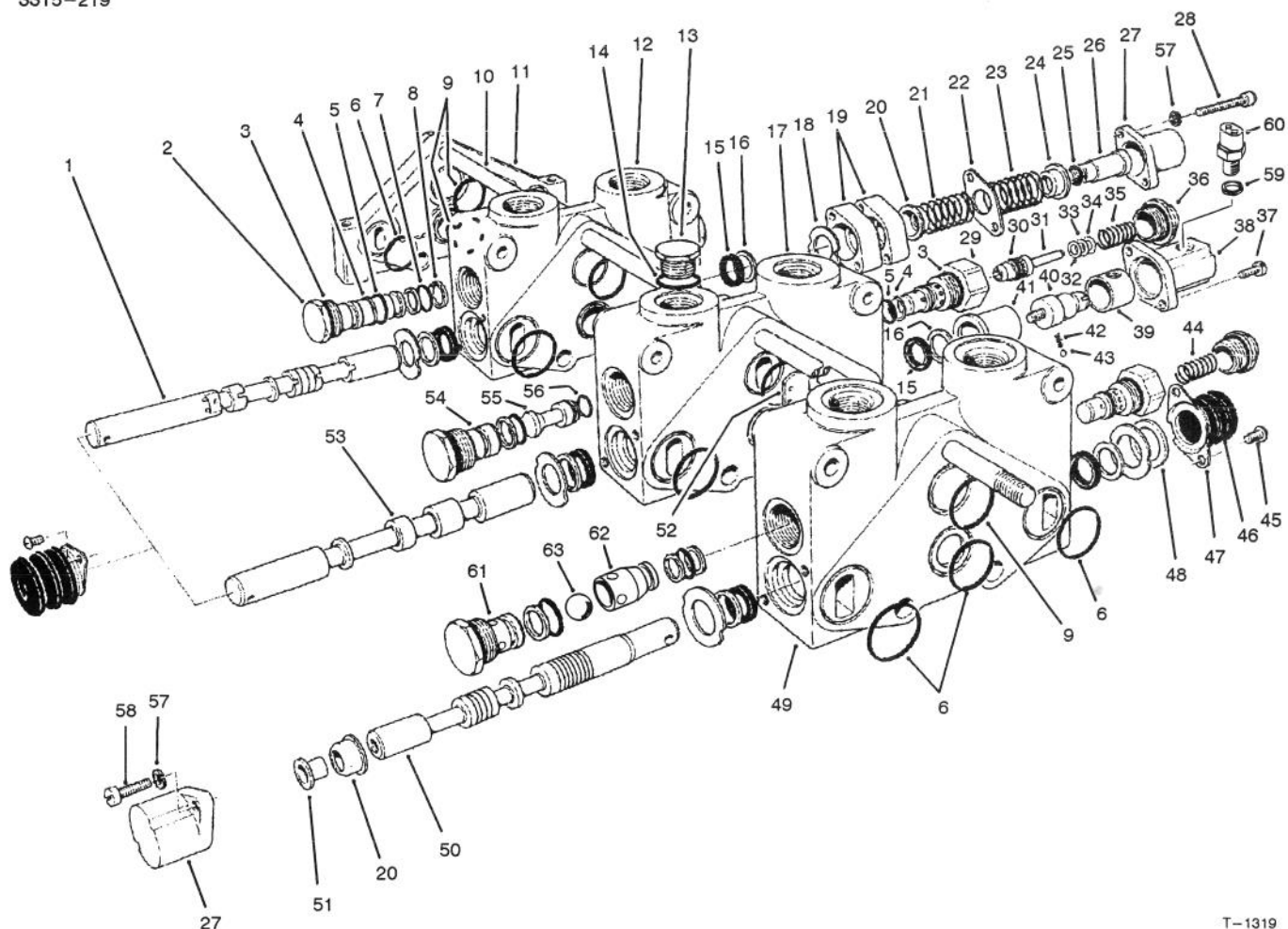
T-1319

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

Ref. No.	Part No.	Description	No. Used
†1		Spool #5	1
2	353-481	Plug - Load Check (Incl. Ref. #3-5 & 7-8)	3
3	237-54	O-Ring	6
4	353-306	Ring - Backup	5
5	353-305	O-Ring	5
†6		O-Ring	11
7	353-302	O-Ring	3
8	353-303	Ring - Backup	6
†9		O-Ring	5
10	353-853	Bolt - Hex Hd.	3
11	353-668	Plate - Cap, Cover RH	1
12		Housing V20 #5	1
13	353-550	Plug Assembly (Incl. Ref. #14)	1
14	353-848	O-Ring	1
15	353-957	Seal - Lip	6
16	353-958	Ring - Backup	6
†17		Housing V20 #4	1
18	353-959	Plate - Seal Retainer	6
19	353-733	Spacer - Bonnet	2
20	353-417	Collar Spring	2
21	353-831	Spring	1
22	353-529	Plate Seal	1
23	353-530	Spring	1

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

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



T-1319

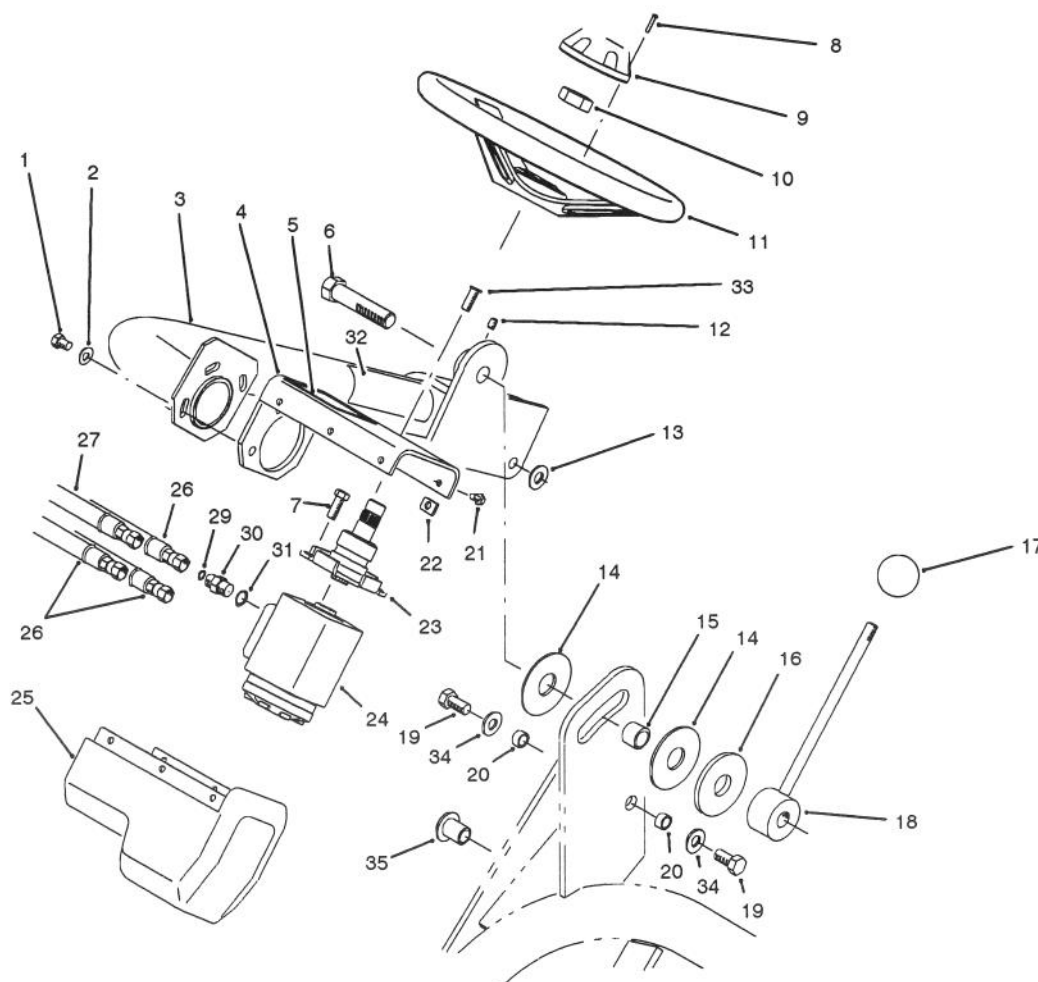
CONTROL VALVE ASSEMBLY NO. 84-2202 (Sections 3 Thru 5) (Continued)

Ref. No.	Part No.	Description	No. Used
†48	353-560	Washer - Breather	3
49		Housing V20 #2	1
†50		Spool V20 3 Way F.F.	1
51	52-5860	Collar - Spool	1
52	353-765	Disc - Seal	1
†53	354-122	Spool #4	1
54	353-953	Plug Assembly	1
55	353-844	Plus Series (Incl. Ref. #56)	1
56	353-850	O-Ring	1
57	3253-3	Washer - Lock	4
58	3274-84	Screw - Cap, Hex. Hd.	4
59	38-0410	Nut - Hex.	1
60	83-1890	Switch - Ball	1
61	353-483	Body - Anticavitation	1
62	353-484	Retainer - Ball	1
63	353-737	Ball	1
*	354-129	Anticavitation Check Assy. (Incl. Ref. #3, 4, 5, 7, 8 & 61-63)	1
*	353-835	Seals - Section Set (Incl. Ref. #6 & 9)	1

Ref. No.	Part No.	Description	No. Used
*	12-7009	Seal - Spool Set (Incl. Ref. #15, 16 & 18)	1
*	353-854	Boot - Spool Assembly (Incl. Ref. #45-48)	3
*	353-770	Section #3 Assembly (Complete)	1
*	354-25	Section #4 Assembly (Complete)	1
*	353-834	Section #5 Assembly (Complete)	1
*	353-841	Position - Spool Assembly (Incl. Ref. #20 27 37 & 51)	1
*	353-840	Position - DI (SP) Assy. (Incl. Ref. #37-43)	1
*	353-642	Relief - RC Mod. Assembly (Incl. Ref. #3-5 & 29-36)	1
*	353-833	Positioner Assembly (Incl. Ref. #19-28)	1
*	84-2202	Control Valve Assembly Complete	1

*Not Illustrated

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

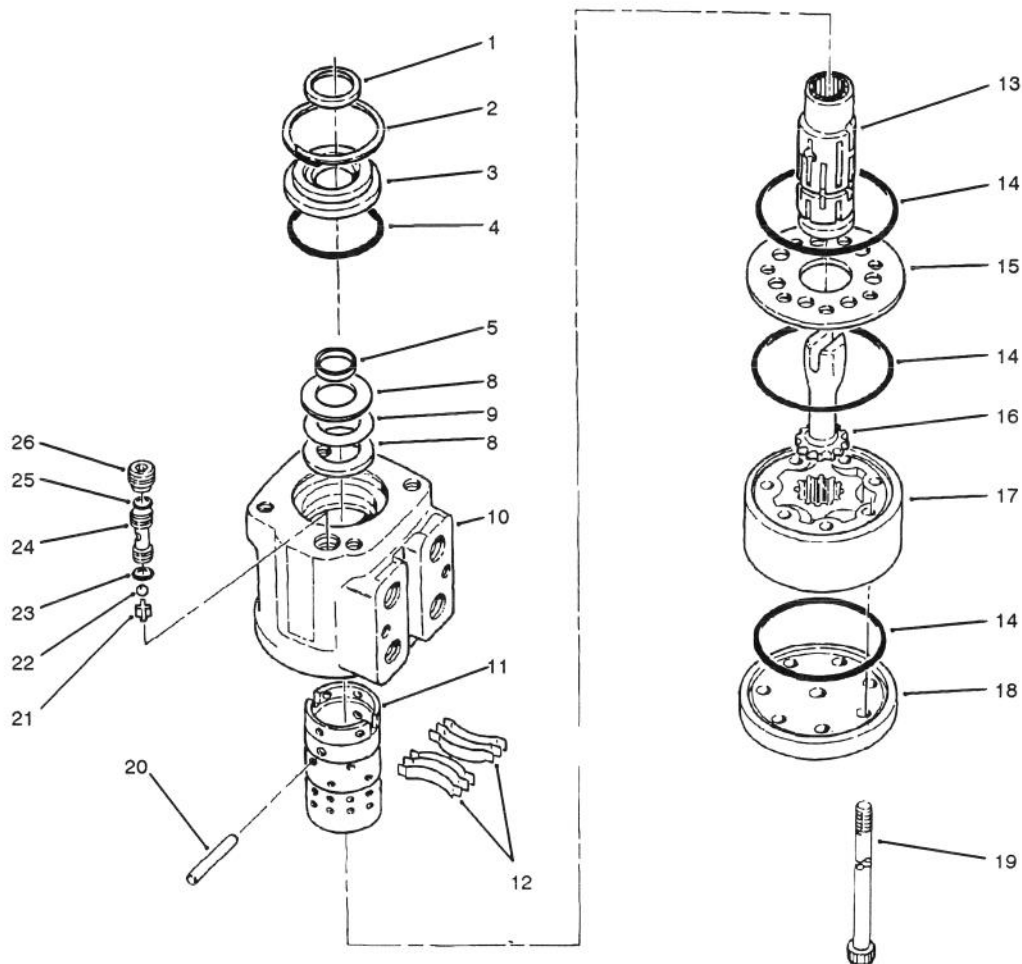


T-1291

STEERING ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3274-80	Screw - Cap Hex. Hd.	3
2	3256-80	Washer - Flat	3
3	84-8760	Arm - Steering	1
4	83-0780	Support - Steering Valve	1
5	83-2520	Decal - Warning	1
6	83-0750	Screw - Cap Hex. Hd. L.H.	1
7	323-4	Screw - Cap Hex. Hd.	2
8	32144-21	Screw - Round Hd.	2
9	68-5140	Cap - Steering Wheel	1
10	47-6990	Nut - Steering Wheel	1
11	68-5130	Steering Wheel Assembly (Incl. Ref. #8 & 9)	1
12	3246-3	Screw - Set	1
13	65-6390	Washer - Thrust	1
14	83-0740	Disc - Friction	2
15	83-0730	Spacer - Lockup	1
16	83-0760	Plate - Lockup	1
17	233-48	Knob	1

Ref. No.	Part No.	Description	No. Used
18	83-0700	Handle - Lockup	1
19	325-4	Screw - Cap Hex. Hd.	2
20	47-2890	Bushing - Sleeve	2
21	3274-39	Screw - Cap Hex. Hd.	6
22	3290-277	Nut - Tinnerman	6
23	83-1420	Column - Steering	1
24	58-3953	Steering - Valve Assembly	1
25	83-0810	Cover - Steering Valve	1
26	84-8730	Hose - Hydraulic	3
27	84-8740	Hose - Hydraulic	1
29	237-21	Seal - O-Ring	4
30	340-1	Fitting - Hydraulic Straight (Incl. Ref. #29 & 31)	4
31	237-42	Seal - O-Ring	4
32	83-2510	Decal - Steering Arm	1
33	3274-63	Screw - Hex. Socket Hd.	2
34	3256-26	Washer - Flat	2
35	83-1700	Bushing - Flange	1



T-1442

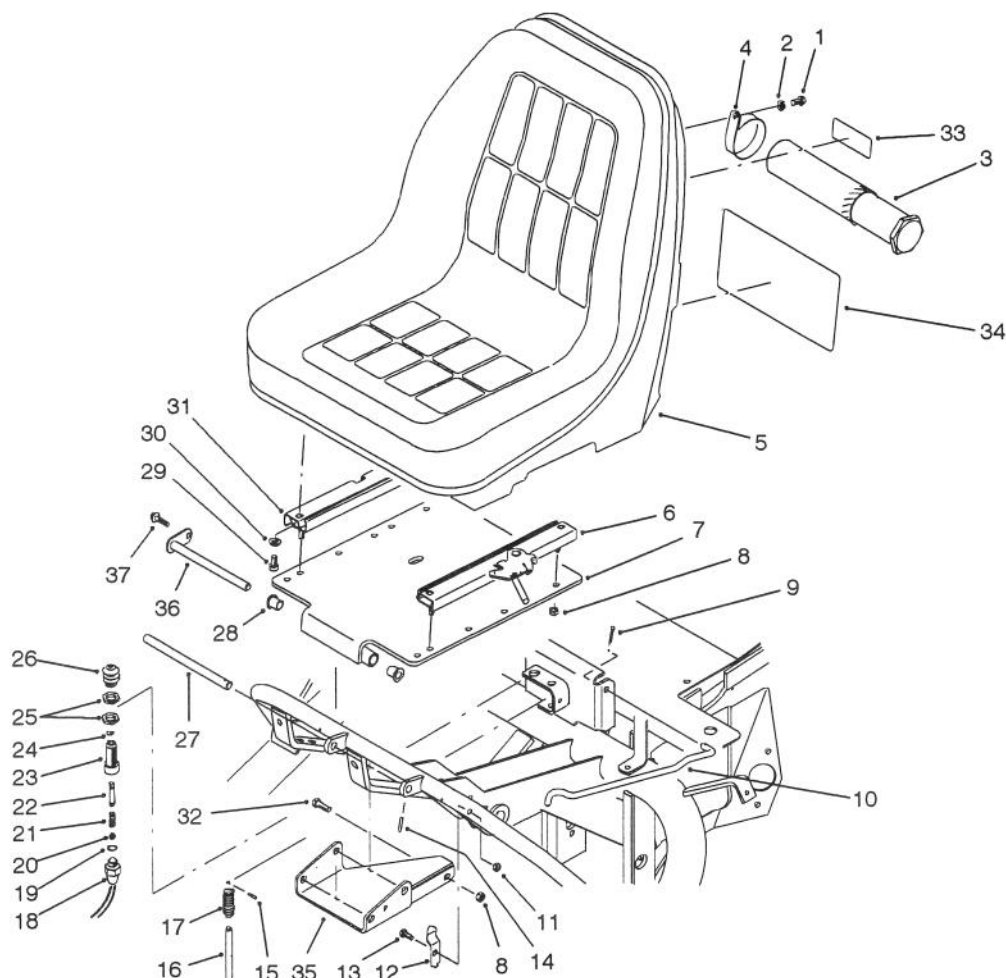
POWER STEERING VALVE NO. 58-3953

Ref. No.	Part No.	Description	No. Used
1		Seal - Dust	1
2	52-9230	Ring - Retaining	1
3	52-9240	Bushing - Seal, Gland	1
4		O-Ring	1
5		Seal - Quad Ring	1
8	59-6730	Race - Bearing	2
9	59-6740	Bearing - Needle, Thrust	1
†10		Housing	1
†11		Sleeve - Control	1
12	83-1860	Centering Spring Kit	1
†13		Spool - Control	1
14		O-Ring	3
15	83-1900	Plate - Spacer	1
16	70-8250	Drive	1
17	83-1870	Gerotor	1
18	59-6890	Cap - End	1

Ref. No.	Part No.	Description	No. Used
19	52-9350	Screw - Cap	7
20	59-6830	Centering Pin Kit	1
21	52-9290	Retainer - Ball, Check	1
22	52-9280	Ball - Check	1
23		O-Ring	1
24	52-9270	Seat - Ball, Check	1
25		O-Ring	1
26	52-9260	Screw - Set	1
*	52-9250	Needle Bearing Kit (Incl. Ref. #8 & 9)	1
*	83-1880	Control Parts Assembly (Incl. Ref. #10-13 & 20)	1
*	49-0170	Seal Kit (Incl. Ref. #1, 4, 5, 14, 23 & 25)	1

*Not Illustrated

†Not Serviced Separately

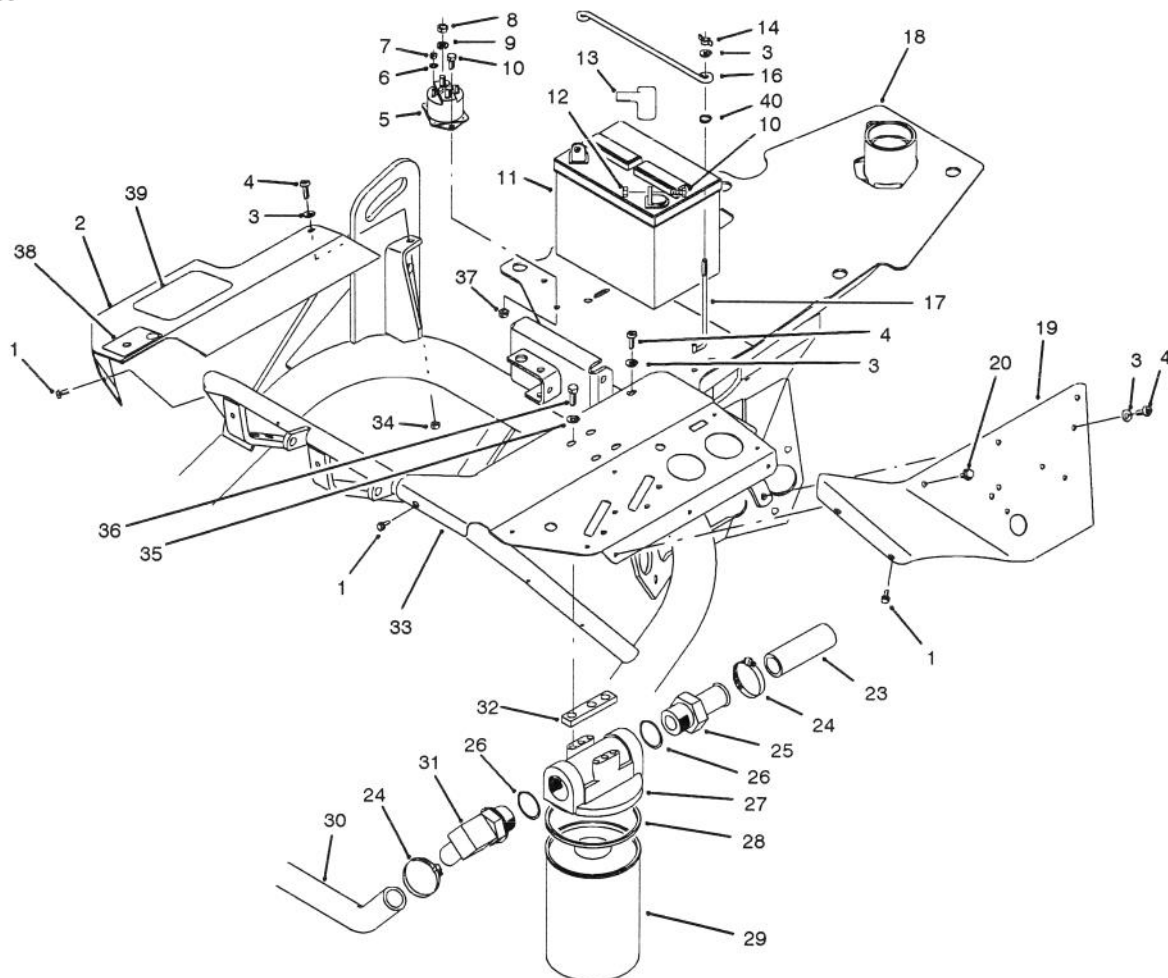


T-1445

SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-2	Screw - Cap Hex. Hd.	2	20	43-8610	Seat - Ball	1
2	3253-4	Washer - Lock	2	21	43-8600	Spring - Compression	1
3	74-0720	Tube - Manual	1	22	43-8860	Plunger - Switch	1
4	2412-133	Clamp - R	2	23	43-8620	Guide - Switch	1
5	75-9190	Seat Assembly	1	24	237-7	Seal - O-Ring	1
6	51-0790	Adjuster - Seat	1	25	218-461	Nut - Hex.	2
7	84-8770	Seat Support Assembly (Incl. Ref. #28)	1	26	43-8870	Boot - Switch	1
8	3296-29	Nut - Lock	5	27	49-5880	Shaft - Seat Support	1
9	3272-11	Pin - Cotter	1	28	256-219	Bushing - Flange	2
10	68-5100	Rod - Seat Prop	1	29	3274-12	Screw - Hex. Socket Hd.	4
11	3296-42	Nut - Lock	1	30	3256-23	Washer - Flat	4
12	68-5310	Clip - Seat Rod	1	31	51-0780	Slider - Seat	1
13	321-3	Screw - Cap Hex. Hd.	1	32	322-3	Screw - Cap Hex. Hd.	1
14	32121-45	Pin - Roll	1	33	84-3180	Decal - Hydraulic Oil	1
15	3284-3	Pin - Groove	1	34	83-2490	Decal - Service	1
16	51-0350	Pin - Seat Spring	1	35	84-8800	Bracket	1
17	3-6685	Spring - Compression	1	36	84-8700	Pivot - Seat	1
18	72-4320	Switch - Ball	1	37	46-8560	Screw - Thread Forming	1
19	237-30	Seal - O-Ring	1	*	43-9071	Seat Switch Assembly (Incl. Ref. #18-26)	1

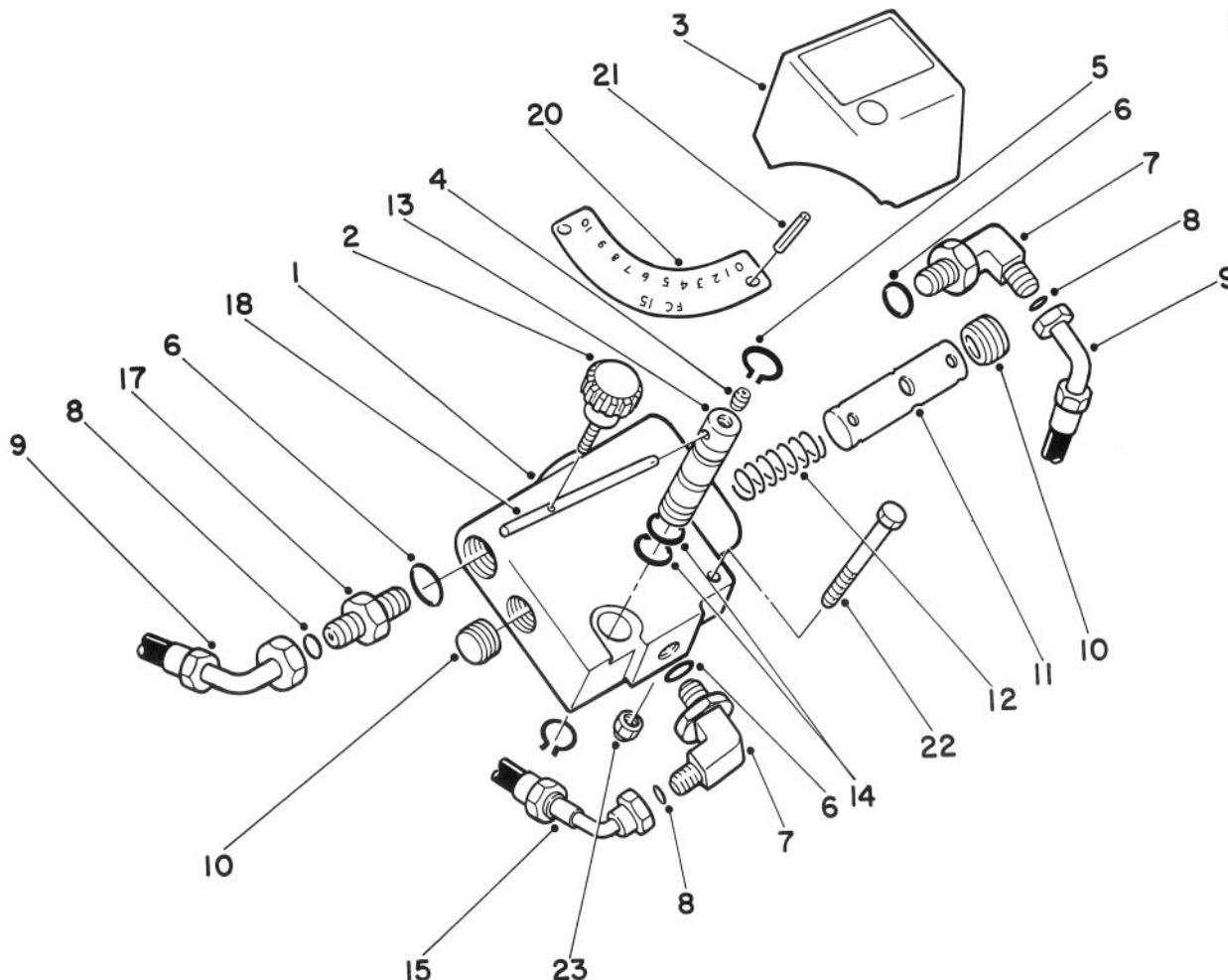
*Not Illustrated



T-1444

FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32104-76	Screw - Self Tapping	5	24	2412-34	Clamp - Hose	2
2	83-1830	Cover - R.H.	1	25	353-563	Fitting - Hydraulic Straight	1
3	3256-22	Washer - Flat	5			(Incl. Ref. #26)	
4	3274-64	Screw - Hex. Socket Hd.	3	26	237-101	Seal - O-Ring	2
5	28-4210	Solenoid - Starter	1	27	44-5560	Head - Oil Filter	1
6	3254-1	Washer - Lock	2	28	72-3850	Seal - Filter	1
7	3219-14	Nut - Hex.	2	29	74-3570	Filter - Hydraulic Oil	
8	3218-13	Nut - Jam	2			(Incl. Ref. #28)	1
9	3253-4	Washer - Lock	2	30	68-5880	Hose - Hydraulic	1
10	321-3	Screw - Cap Hex. Hd.	4	31	353-564	Fitting - Hydraulic 90°	
11	28-1400	Battery	1			(Incl. Ref. #26)	1
12	3217-5	Nut - Hex.	2	32	27-2380	Spacer	2
13	28-8080	Boot Terminal	1	33	83-0830	Panel - Control Upper	1
14	32103-12	Nut - Wing	2	34	3296-42	Nut - Lock	3
16	72-4790	Hold-Down - Battery	1	35	3256-23	Washer - Flat	4
17	56-7720	Bolt - Battery	2	36	322-4	Screw - Cap Hex. Hd.	4
18	83-0220	Frame Assembly	1	37	32149-2	Nut - Keps	2
19	83-0840	Fender - L.H.	1	38	83-2540	Decal - Traction	1
20	46-8560	Screw - Self Taping	3	39	67-1300	Decal - TORO	1
23	83-1430	Hose - Hydraulic	1	40	237-143	Grommet	2



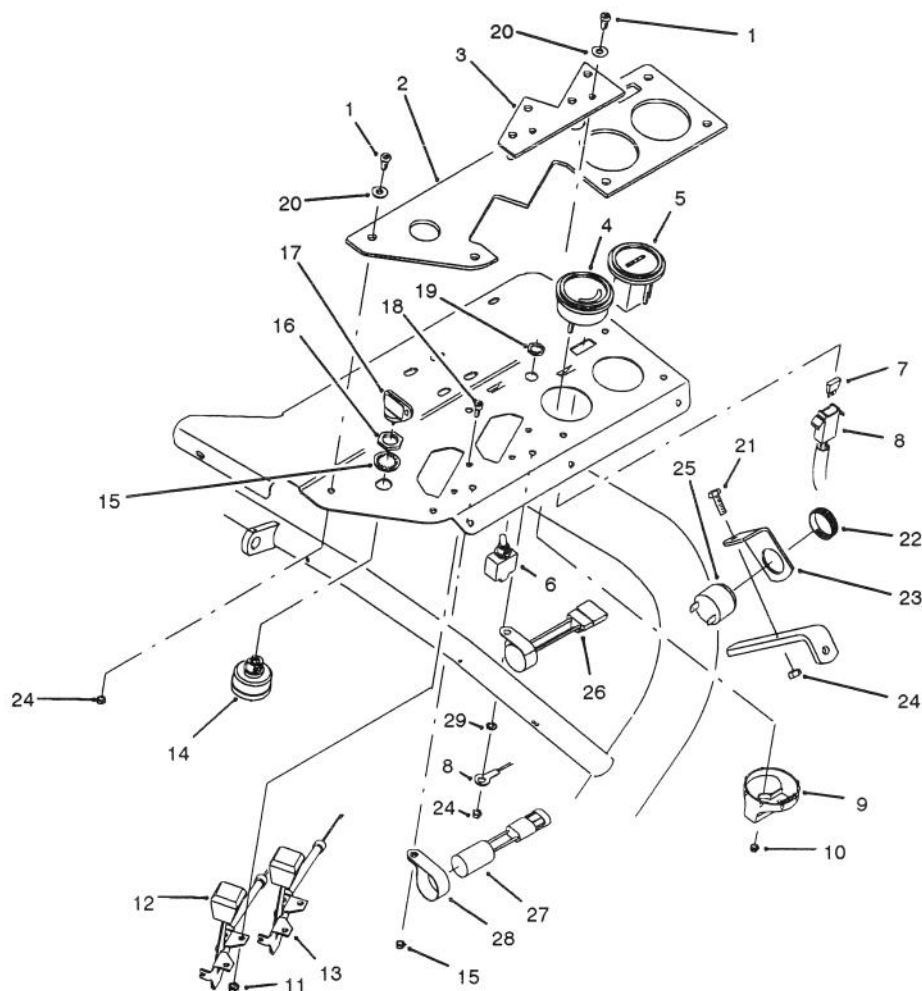
T-1441

VARIABLE TRACTION CONTROL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1		Body—Main	1
2	49-0360	Screw — Thumb	1
3	83-2500	Decal — Traction Control	1
4	3274-42	Screw — Set Hex Socket	1
5	32120-76	Ring — Snap	2
6	237-80	Seal — O-Ring	3
7	340-105	Elbow — 90° Adjustable (Incl. Ref. #6 & 8)	2
8	237-30	Seal — O-Ring	3
9	68-5790	Hose — Hydraulic	2
10	49-0300	Plug Pipe	2
11	49-0370	Spool — Metering	1
12	49-0340	Spring — Metering	1
13	66-1660	Spool — Lever Side	1

Ref. No.	Part No.	Description	No. Used
14	237-54	Seal — O-Ring	2
15	83-2270	Hose — Hydraulic	1
17	340-6	Fitting — Straight (Incl. Ref. #6 & 8)	1
18	49-0350	Handle	1
20	49-0320	Plate — Dial	1
21	32121-4	Pin — Roll Slotted	2
22	321-33	Screw — Cap Hex Hd.	2
23	3296-56	Nut — Lock	2
*	3290-378	Tie — Cable	3
*	47-6640	Valve Flow Control (Incl. Ref. #1, 2, 4, 5, 10-14, 18, 20 & 21)	1

*Not Illustrated

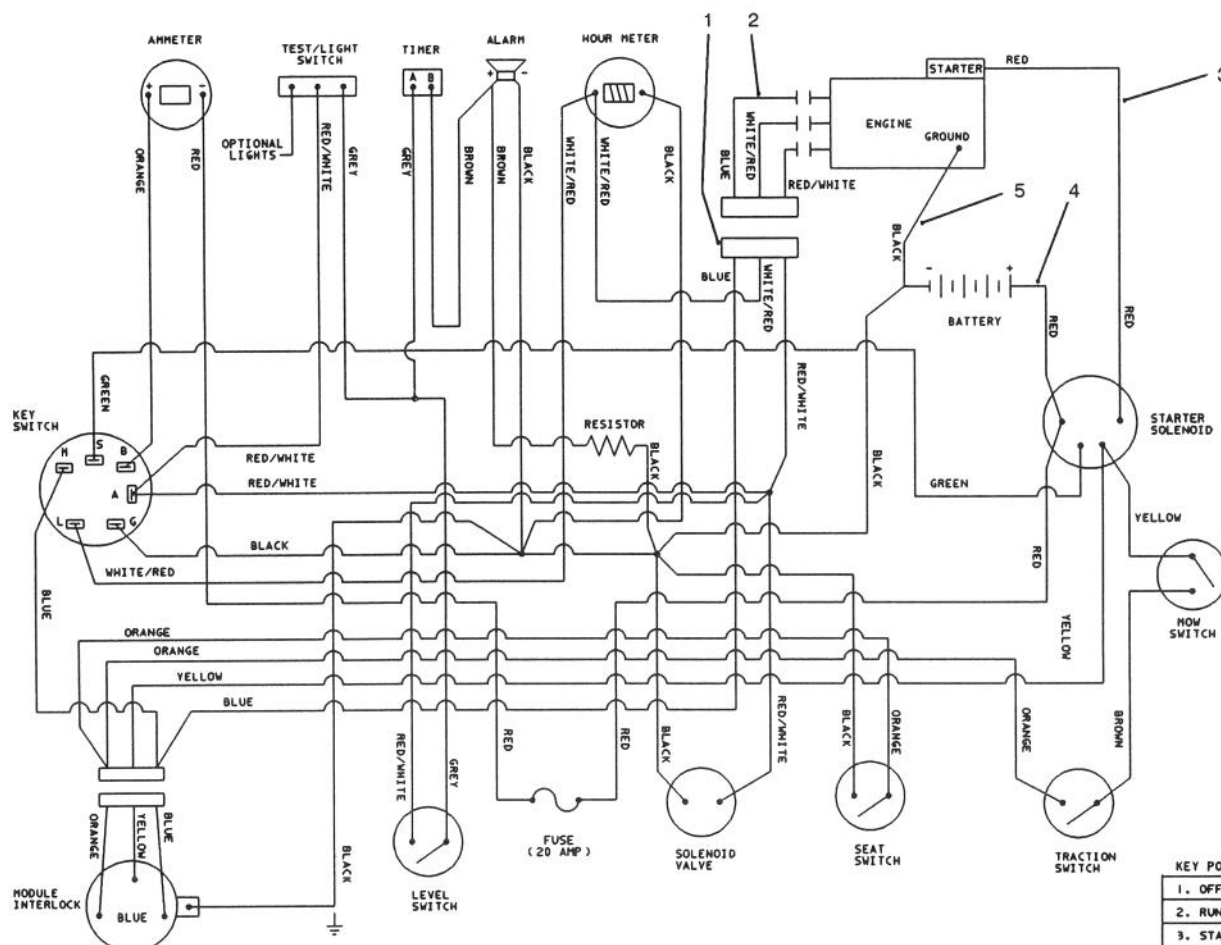


T-1296

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3274-69	Screw - Hex. Socket Hd.	8
2	83-2570	Plate - Control Panel	1
3	83-2030	Plate - Filler	1
4	83-0820	Gauge - Ammeter	1
5	66-2950	Gauge - Hourmeter	1
6	83-1660	Switch Assembly (Incl. Ref. #19)	1
7	218-594	Fuse - 20 Amp	1
8	83-1100	Harness - Wire (Main)	1
9	39-9600	Clamp - Mounting	1
10	3219-14	Nut - Hex.	6
11	3296-27	Nut - Lock	4
12	83-0030	Control - Throttle	1
13	83-0040	Control - Choke	1
14	83-0020	Ignition Switch Assembly (Incl. Ref. #15-16)	1

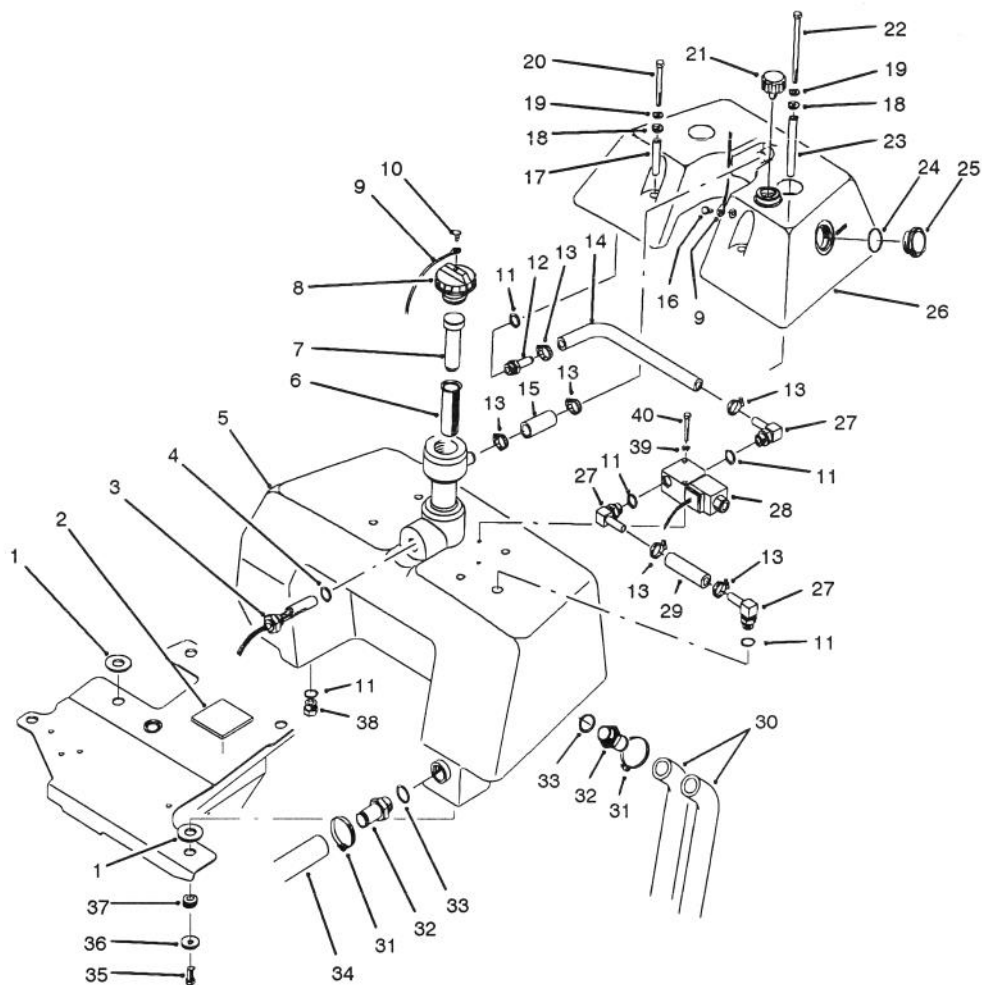
Ref. No.	Part No.	Description	No. Used
15	3254-5	Washer - Lock	1
16	218-461	Nut - Hex.	1
17	63-8360	Key - Ignition	1
18	3273-26	Screw - Hex. Socket Hd.	4
19		Nut - Hex.	2
20	3256-1	Washer - Flat	8
21	321-4	Screw - Cap Hex. Hd.	1
22		Retainer - Alarm	1
23	83-1530	Bracket - Alarm	1
24	3296-42	Nut - Lock	8
25	80-9330	Audio Alarm Assembly (Incl. Ref. #22)	1
26	28-7890	Module - Interlock	1
27	83-2280	Timer - Delay	1
28	2412-106	Clamp - R	1
29	3255-7	Washer - Lock	1



ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	83-1100	Harness - Wire (Main)	1
2	83-1110	Harness - Wire (Engine)	1
3	83-1160	Wire - Soleniod - Starter	1

Ref. No.	Part No.	Description	No. Used
4	83-1140	Wire - Solenoid - Battery	1
5	83-1150	Wire - Engine Ground	1

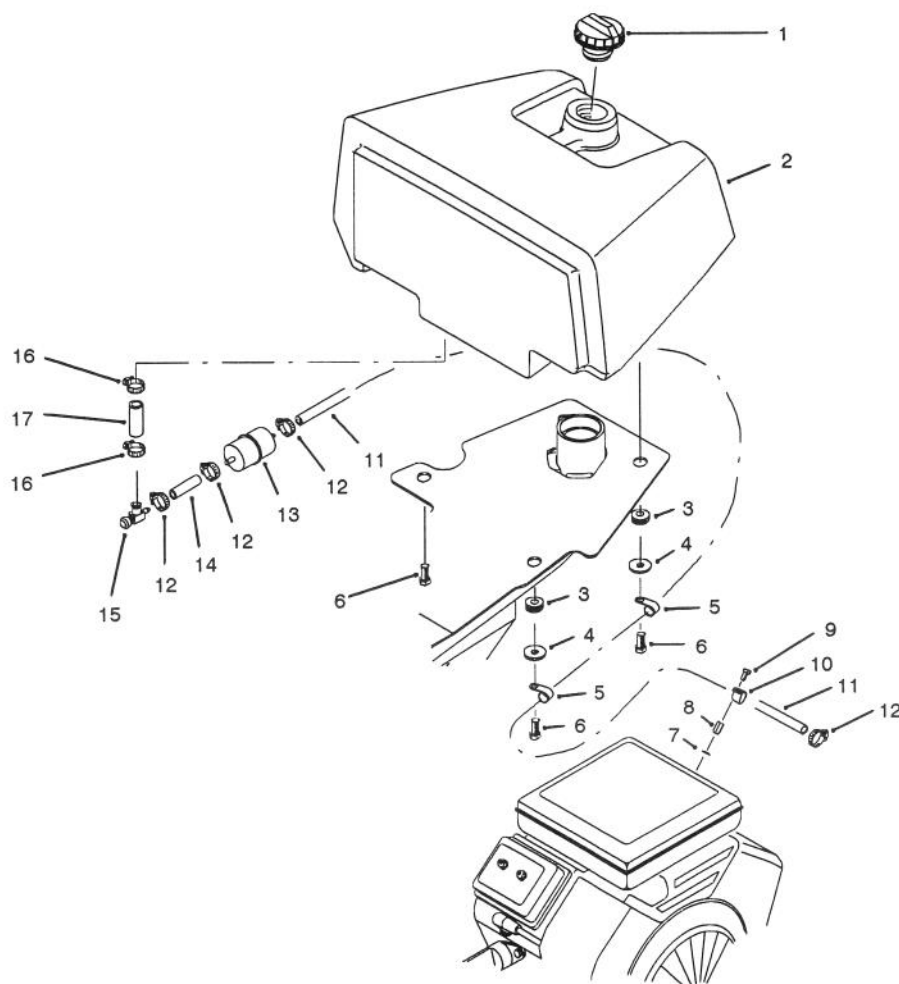


T-1289

HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	83-2400	Spacer - Tank	2
2	83-2390	Pad - Tank	1
3	83-1450	Sensor - Oil Level	1
4	237-80	Seal - O-Ring	1
5	83-0860	Reservoir - Hydraulic	1
6	83-1520	Screen - Filler	1
7	83-1510	Plug - Filler Cap	1
8	70-8640	Cap - Hydraulic Reservoir	1
9	75-0540	Tether - Cap	1
10	2410-73	Retainer - Tether	1
11	237-79	Seal - O-Ring	5
12	354-121	Fitting - Hydraulic Straight (Incl. Ref. #11)	1
13	2412-129	Clamp - Hose	6
14	83-2070	Hose - Valve	1
15	83-2090	Hose - Overflow	1
16	321-2	Screw - Cap Hex. Hd.	1
17	83-1550	Spacer - Tank (Short)	2
18	83-1470	Washer - Neoprene	4
19	3256-23	Washer - Flat	4
20	322-14	Screw - Cap Hex. Hd.	2
21	68-6150	Breather	1
22	322-29	Screw - Cap Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
23	83-1560	Spacer - Tank (Long)	2
24	237-123	Seal - O-Ring	1
25	83-2250	Gauge - Sight (Incl. Ref. #24)	1
26	83-2100	Tank - Auxiliary Hydraulic	1
27	354-120	Fitting - HYdraulic 90° (Incl. Ref. #11)	3
28	83-1460	Solenoid Valve Assembly	1
29	83-2080	Hose - Valve-Tank	1
30	83-0910	Hose - Hydraulic	2
31	2412-34	Clamp - Hose	3
32	83-0870	Fitting - Hydraulic Straight (Incl. Ref. #33)	3
33	237-177	Seal - O-Ring	3
34	83-1430	Hose - Hydraulic	1
35	323-6	Screw - Cap Hex. Hd.	3
36	63-8410	Washer - Flat	3
37	240-11	Grommet	3
38	353-550	Plug - Hydraulic (Incl. Ref. #11)	1
39	3253-3	Washer - Lock	2
40	321-11	Screw - Cap Hex. Hd.	2



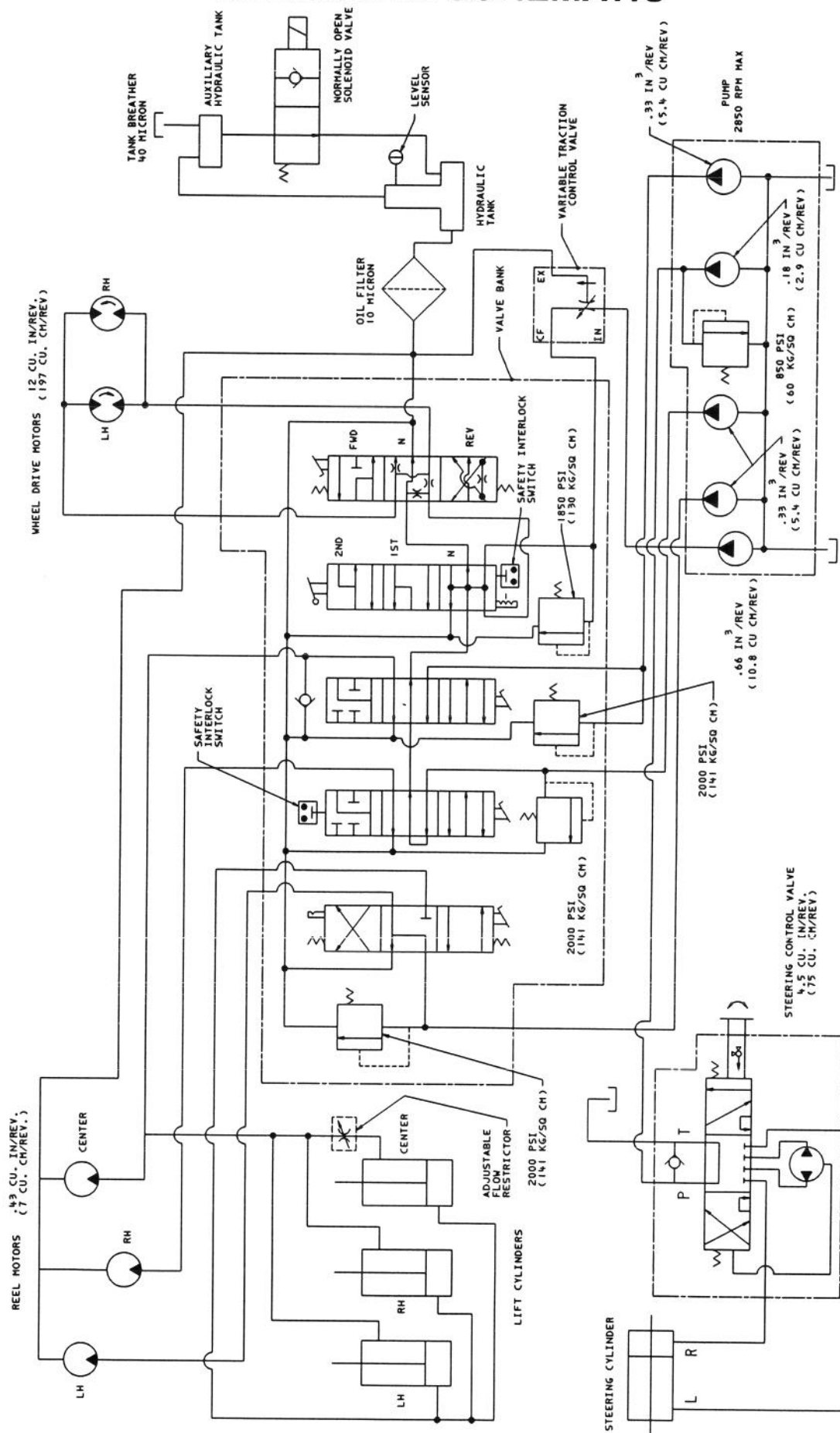
T-1317

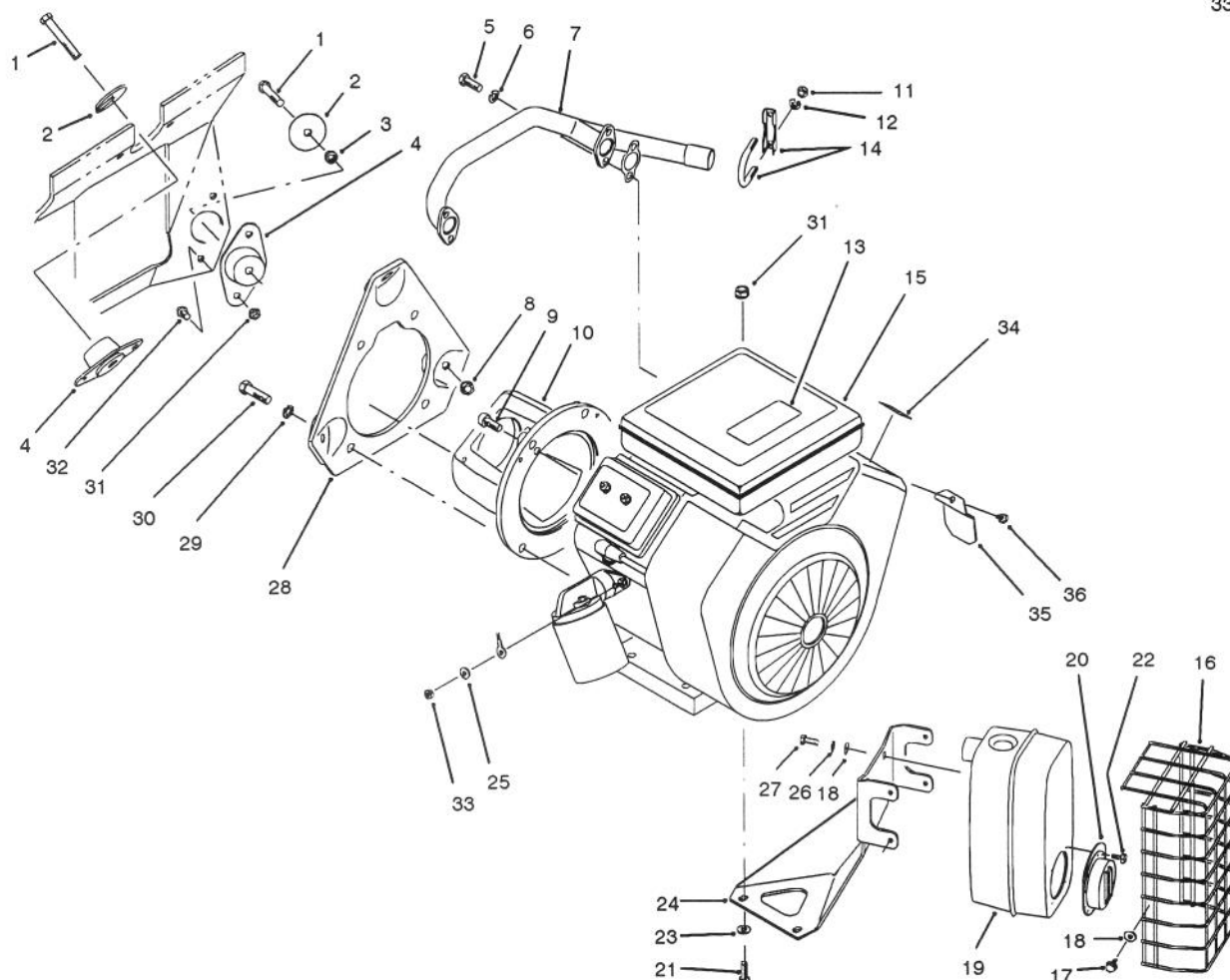
FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70-8631	Cap - Fuel	1
2	83-0920	Tank - Fuel	1
3	240-11	Grommet	4
4	63-8410	Washer - Flat	4
5	2412-41	Clamp - R	3
6	323-6	Screw - Cap Hex. Hd.	3
7	3256-63	Washer - Flat	1
8	83-2200	Nut - Special	1
9	48-7610	Screw - Cap Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
10	2412-94	Clamp - R	1
11	83-2041	Hose - Fuel	1
12	2412-108	Clamp - Hose	4
13	83-1320	Filter - Fuel	1
14	83-2040	Hose - Fuel	1
15	83-1390	Fiting - Fuel Shut-Off	1
16	2412-36	Clamp - Hose	2
17	56-2230	Hose - Fuel	1

HYDRAULIC SCHEMATIC





T-1293

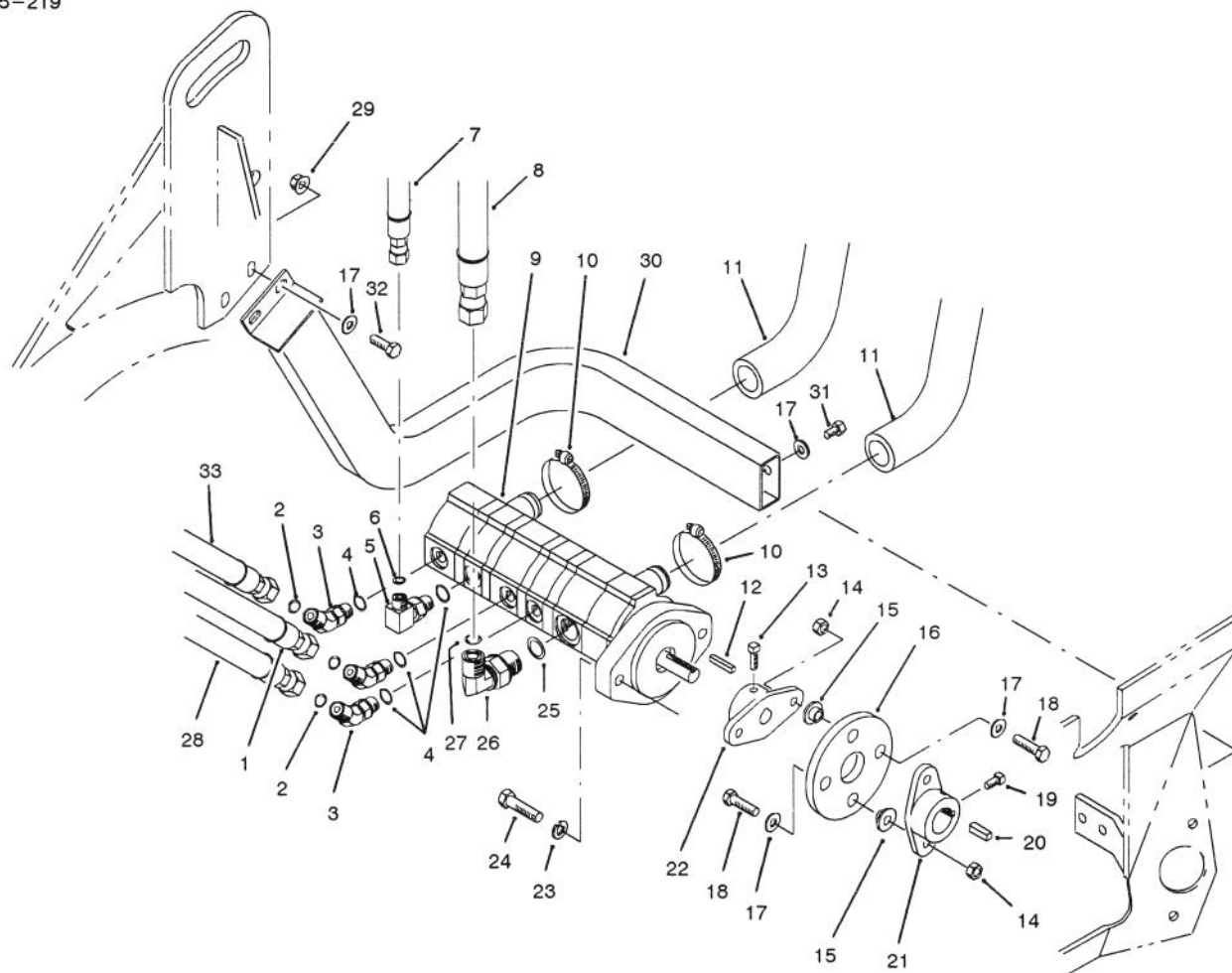
ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323-12	Screw - Cap Hex. Hd.	3
2	83-1040	Washer - Mount	3
3	83-1050	Spacer - Mount	2
4	83-1030	Mount - Engine	3
†5		Screw - Cap Hex. Hd.	4
†6		Washer - Lock	4
7	83-1080	Pipe - Exhaust	1
8	3290-357	Nut - Flange Lock	3
9	3274-7	Screw - Socket Hd.	2
10	83-1060	Adapter - Pump	1
11		Nut - Hex.	2
12		Washer - Lock	2
13	83-2550	Decal - Engine RPM	1
14	2112-11	Clamp - Muffler (Incl. Ref. #11 & 12)	1
15	83-0010	Engine Assembly	1
16	83-1400	Shield - Muffler	1
17	32144-4	Screw - Hex. Washer Hd.	4
18	3256-1	Washer - Flat	8
19	83-1230	Muffler	1

Ref. No.	Part No.	Description	No. Used
20	83-2220	Deflector - Exhaust	1
21	322-7	Screw - Cap Hex. Hd.	2
22	83-2230	Screw - Cap Hex. Hd.	4
23	3256-23	Washer - Flat	2
24	83-1630	Bracket - Muffler Support	1
25	43-5930	Washer - Lock	1
26	3253-3	Washer - Lock	4
27	321-4	Screw - Cap Hex. Hd.	4
28	85-8120	Plate - Engine Mount	1
29	3253-6	Washer - Lock	4
30	324-6	Screw - Cap Hex. Hd.	4
31	32128-20	Nut - Flange Lock	8
32	322-3	Screw - Cap Hex. Hd.	6
33	43-2830	Nut - Hex	1
34	83-2560	Decal - Warning Hot	1
35	83-2310	Shield	1
†36		Screw - Cap Hex. Hd.	1
*	3290-378	Tie - Cable	2
*	250-6	Tie - Cable	2

*Not Illustrated

†Included With Engine Assembly

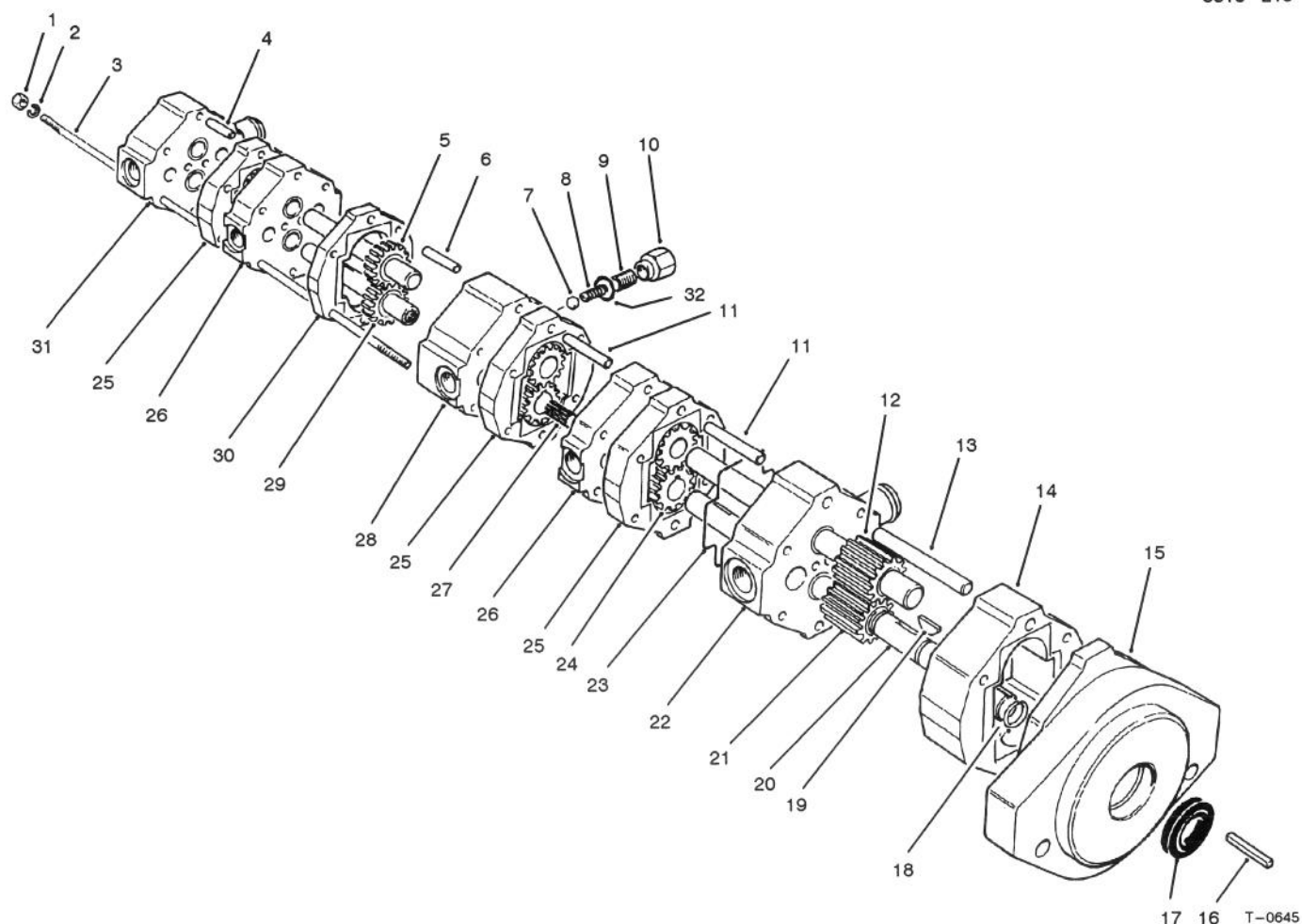


T-1292

HYDRAULIC PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	83-1190	Hose - Hydraulic	1
2	237-22	Seal - O-Ring	3
3	340-87	Fitting - Hydraulic 45° (Incl. Ref. #2 & 4)	3
4	237-42	Seal - O-Ring	4
5	340-82	Fitting - Hydraulic 90° (Incl. Ref. #4 & 6)	1
6	237-21	Seal - O-Ring	1
7	84-8730	Hose - Hydraulic	1
8	68-5820	Hose - Hydraulic	1
9	68-4940	Hydraulic Pump Assembly (Incl. Ref. #12)	1
10	2412-34	Clamp - Hose	2
11	83-0910	Hose - Pump	2
12	5-0946	Key - Square	1
13	3241-6	Screw - Set Square Hd.	2
14	3296-29	Nut - Lock	4
15	27-6600	Spacer - Coupling	4
16	44-2230	Coupling - Rubber	1

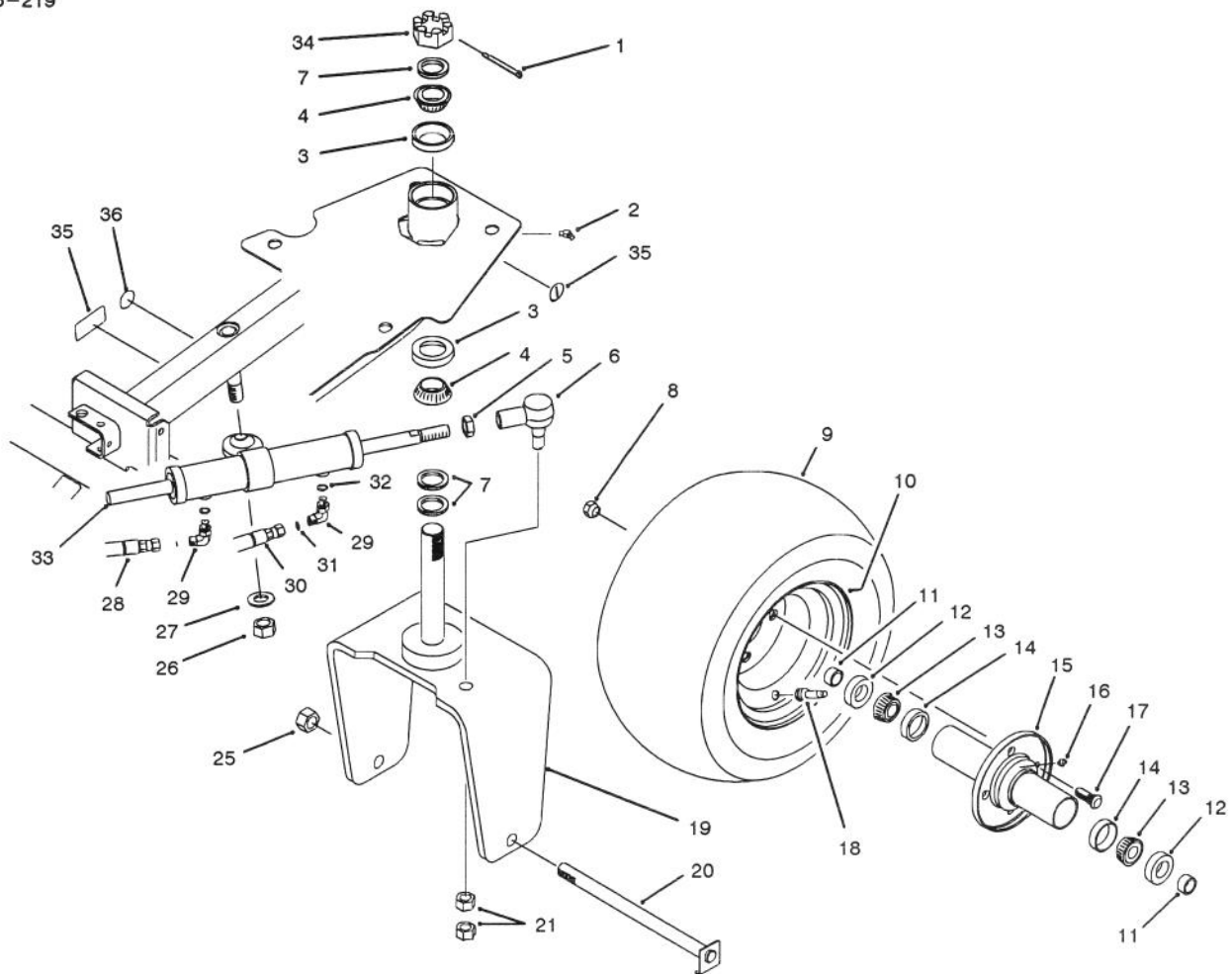
Ref. No.	Part No.	Description	No. Used
17	3256-23	Washer - Flat	8
18	322-6	Screw - Cap Hex. Hd.	4
19	3241-2	Screw - Set Square Hd.	2
20	10-7070	Key - Square	1
21	27-1960	Hub - Engine	1
22	27-1970	Hub - Pump	1
23	3253-21	Washer - Lock	2
24	323-8	Screw - Cap Hex. Hd.	2
25	237-80	Seal - O-Ring	1
26	340-105	Fitting - Hydraulic 90° (Incl. Ref. #25 & 27)	1
27	237-30	Seal - O-Ring	1
28	83-1170	Hose - Hydraulic	1
29	32128-20	Nut - Flange Lock	2
30	83-1940	Guard - Pump	1
31	322-1	Screw - Cap Hex. Hd.	2
32	322-4	Screw - Cap Hex. Hd.	2
33	83-2270	Hose - Hydraulic	1



HYDRAULIC PUMP 68-4940

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

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

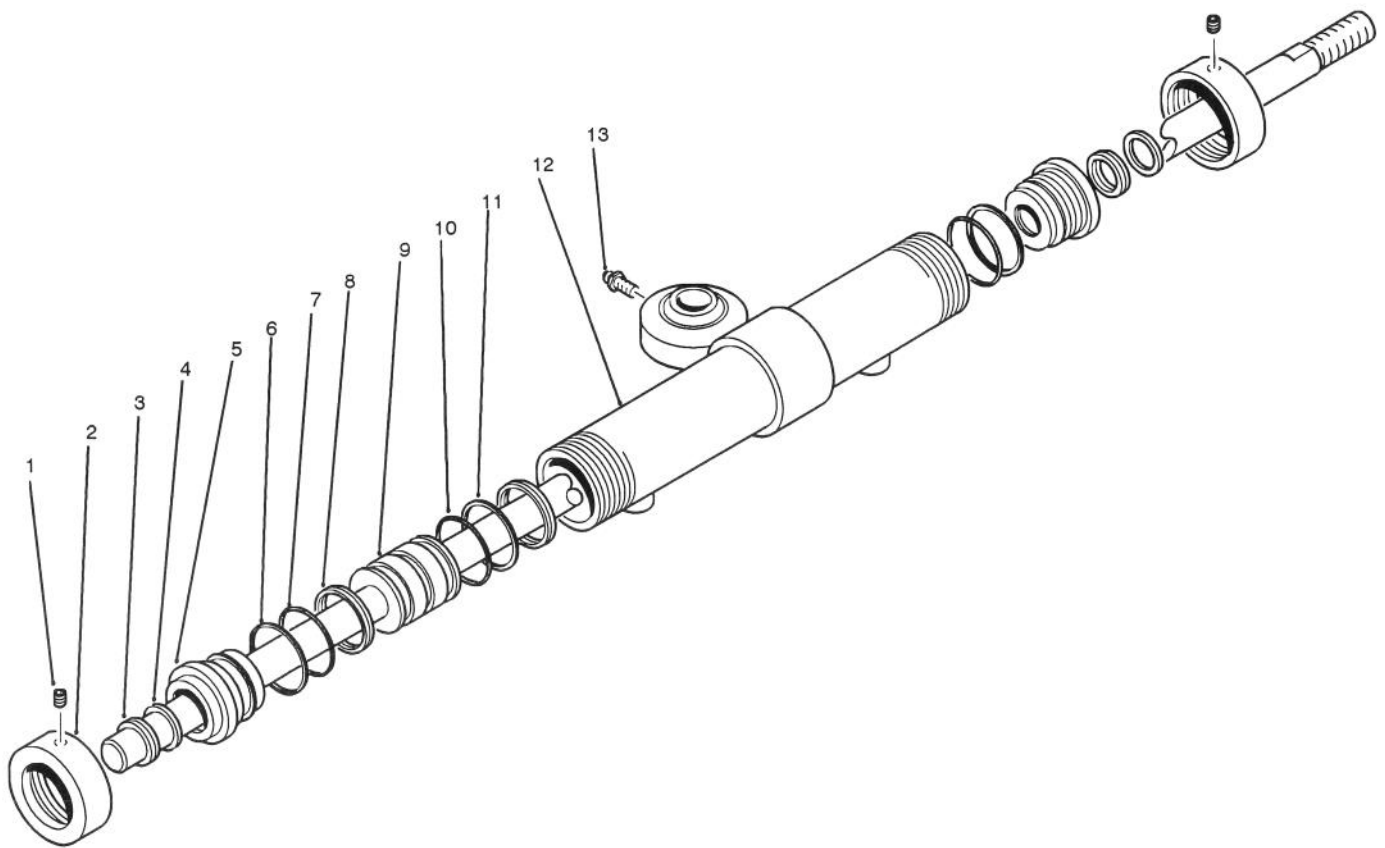


T-1288

REAR WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3272-37	Pin - Cotter	1
2	302-11	Fitting - Grease	1
3	254-61	Cup - Bearing	2
4	254-70	Cone - Bearing	2
5	20-9990	Nut - Jam	1
6	83-1640	Rod End Assembly	1
7	18-6320	Washer - Steering	3
8	242-50	Nut - Lug	4
9	28-3680	Tire	1
10	217-60	Rim	1
11	74-3730	Spacer - Hub	2
12	253-111	Seal - Shaft	2
13	254-78	Cone - Bearing	2
14	254-79	Cup - Bearing	2
15	75-9440	Hub - Wheel	1
16	302-55	Fitting - Grease	1
17	10-6830	Stud - Drive	4

Ref. No.	Part No.	Description	No. Used
18	232-24	Valve Stem w/Cap	1
19	83-0930	Fork - Castor	1
20	5-3934	Bolt - Castor	1
21	3220-6	Nut - Jam	2
25	3296-67	Nut - Lock	1
26	3217-12	Nut - Lock	1
27	3256-28	Washer - Flat	1
28	84-8730	Hose - Hydraulic	1
29	340-132	Fitting - Hydraulic 90° (Incl. Ref. #31 & 32)	2
30	84-8740	Hose - Hydraulic	1
31	237-21	Seal - O-Ring	2
32	237-78	Seal - O-Ring	2
33	83-2330	Hydraulic Cylinder Assy.	1
34	32136-9	Nut - Hex. Slotted	1
35	53-4860	Decal - Safety	1
36	58-6520	Decal - Grease	2



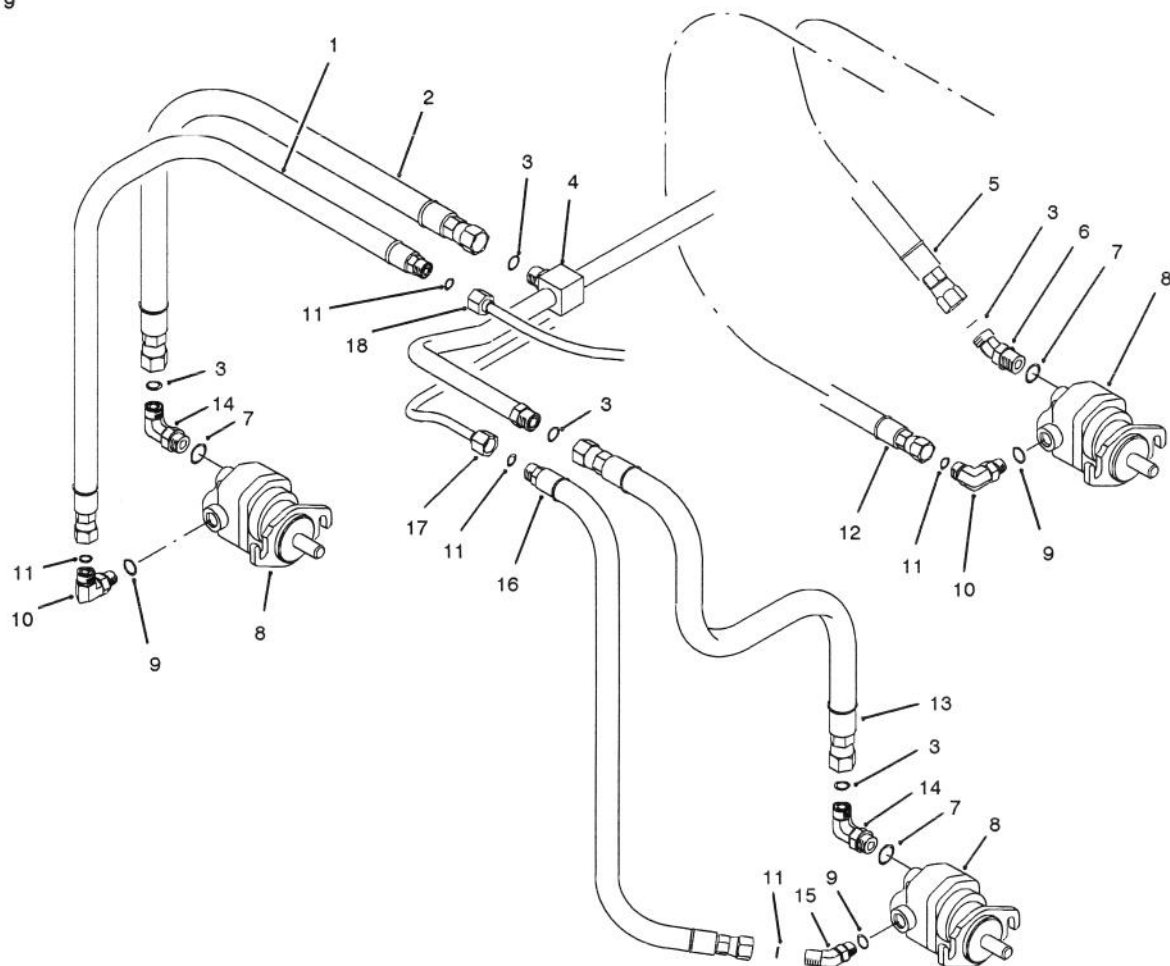
T-1313

HYDRAULIC CYLINDER ASSEMBLY NO. 83-2330

Ref. No.	Part No.	Description	No. Used
1	3245-1	Screw - Set, Hex. Soc. Hd.	2
2	83-2340	Cap - Threaded	2
3		Wiper - Rod	2
4		U-Cup - Double Lip	2
5	83-2350	Cap - Head, Thread	2
6		Ring - Back-Up	2
7		O-Ring	2
8		Ring - Wear	2

Ref. No.	Part No.	Description	No. Used
9	83-2360	Assembly - Rod	1
10		O-Ring	1
11		Ring - Piston, Urithane	1
12	83-2370	Assembly - Barrel	1
13	302-5	Fitting - Grease	1
*	83-2380	Kit - Seal Repair (Incl. Ref. #1-7)	1

*Not Illustrated



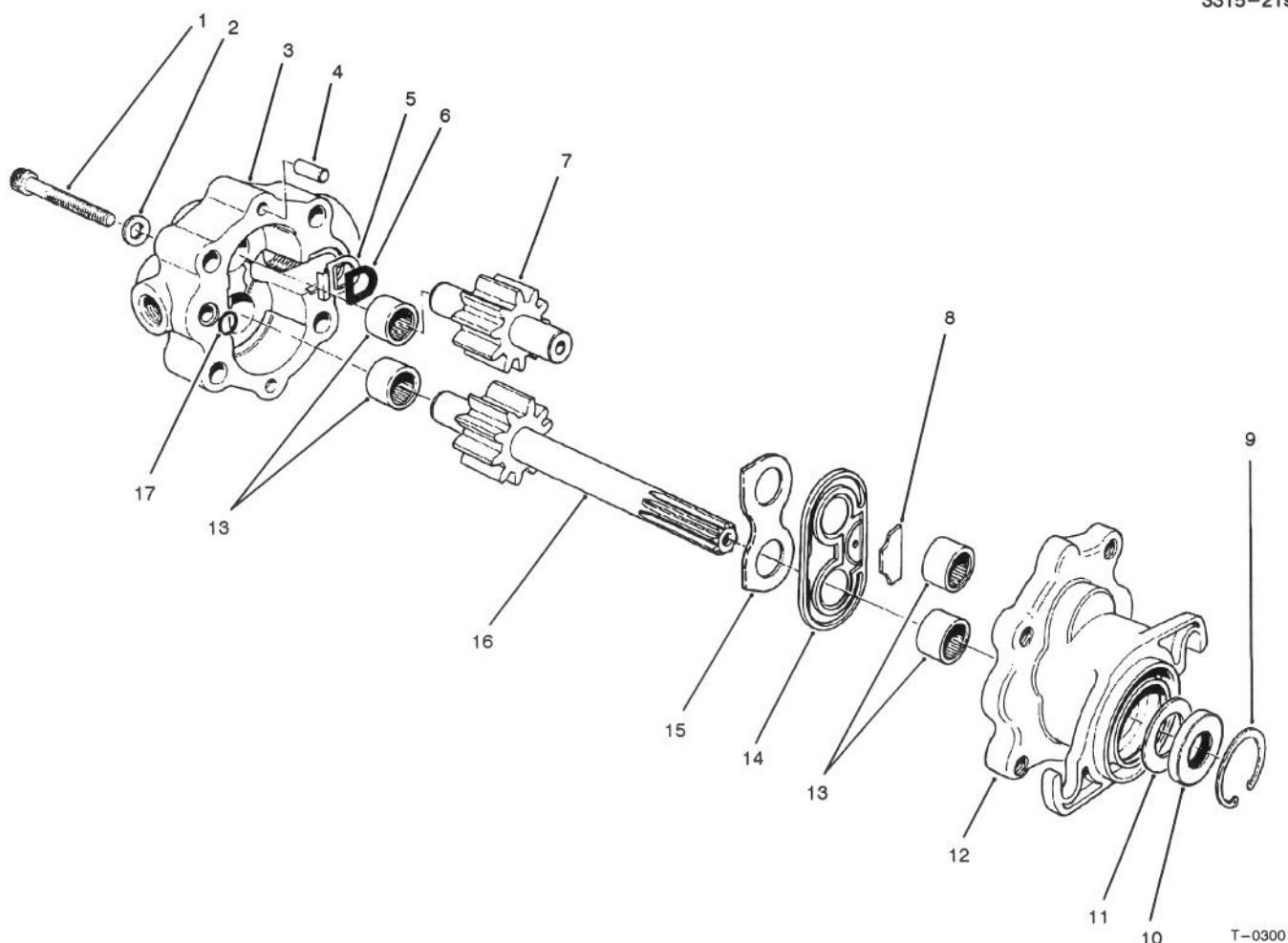
T-1297

REEL MOTOR INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-3810	Hose - Hydraulic	1
2	63-3820	Hose - Hydraulic	1
3	237-30	Seal - O-Ring	5
4	63-4040	Hydraulic Tube Assembly (Incl. Ref. #3)	1
5	63-3840	Hose - Hydraulic	1
6	340-101	Fitting - Hydraulic 45° (Incl. Ref. #3 & 7)	1
7	237-79	Seal - O-Ring	3
8	70-9800	Reel Motor Assembly	3
9	237-42	Seal - O-Ring	3
10	340-77	Fitting - Hydraulic 90° (Incl. Ref. #9 & 11)	2

Ref. No.	Part No.	Description	No. Used
11	237-22	Seal - O-Ring	5
12	74-3830	Hose - Hydraulic	1
13	63-3830	Hose - Hydraulic	1
14	340-98	Fitting - Hydraulic 90° (Incl. Ref. #3 & 7)	2
15	340-87	Fitting - Hydraulic 45° (Incl. Ref. #9 & 11)	1
16	63-3870	Hose - Hydraulic	1
17	63-4020	Tube - Hydraulic	1
18	63-4030	Tube - Hydraulic	1
*	3290-379	Tie - Cable	3
*	3290-378	Tie - Cable	15

*Not Illustrated

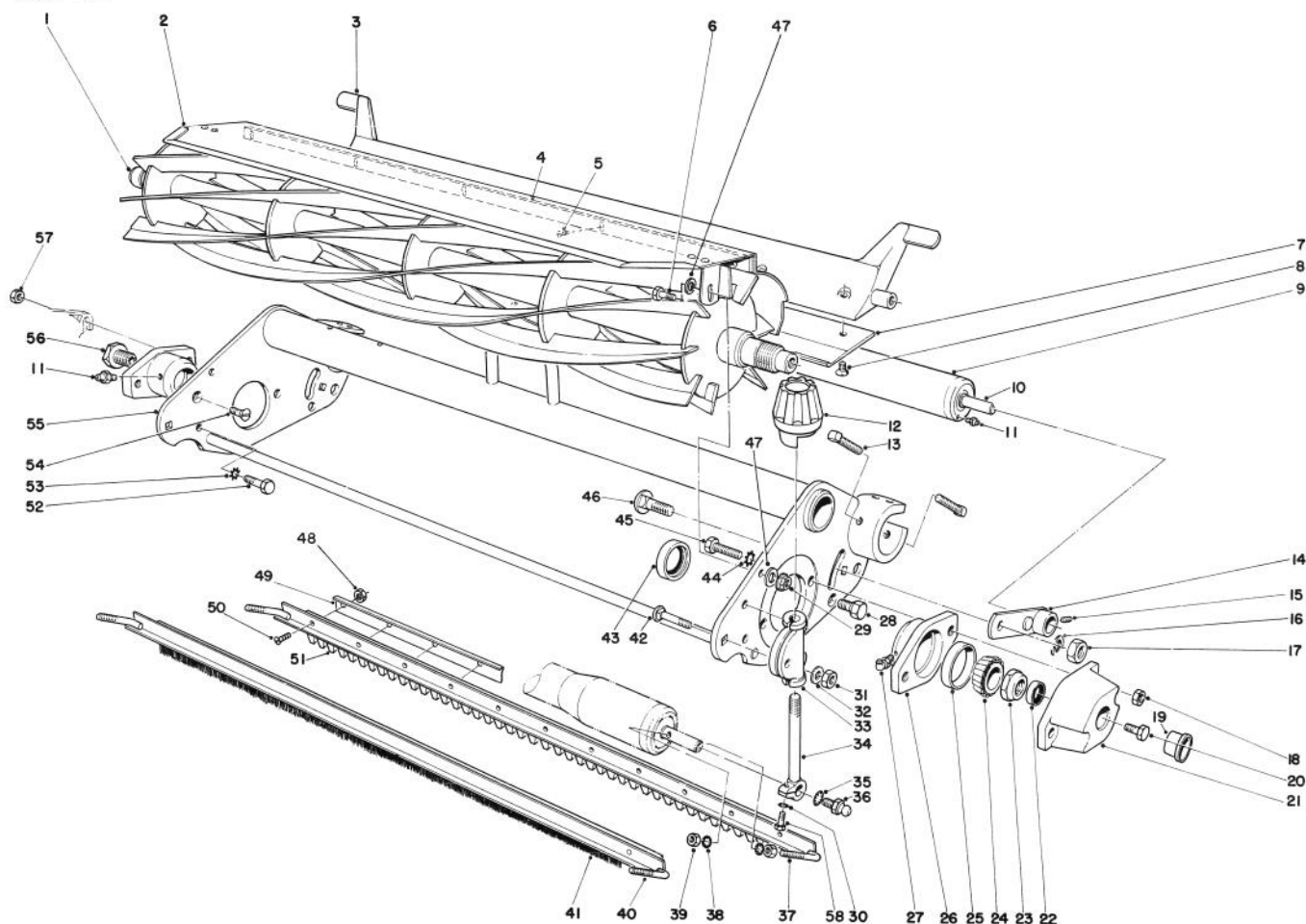


REEL MOTOR NO. 70-9800

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

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

*Not Illustrated



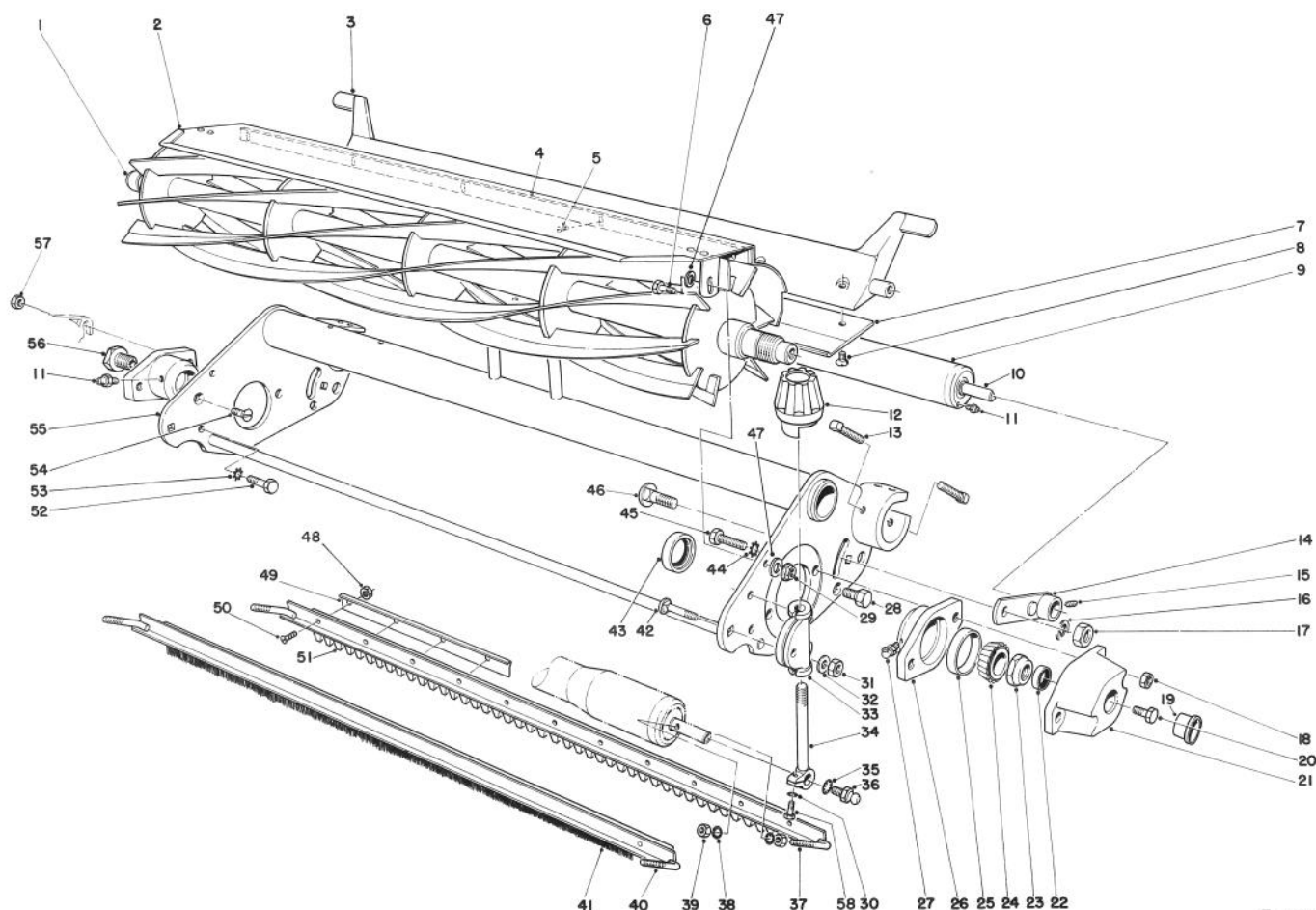
T-0307

CUTTING UNIT MODEL NO. 04405 & 04408

Ref. No.	Part No.	Description	No. Used
1	12-3599	Reel Assy. 8 Blade (04408)	1
*	12-8779	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 - Lock	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

*Not Illustrated

Ref. No.	Part No.	Description	No. Used
22	253-61	Seal	1
23	3296-60	Stop Nut	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



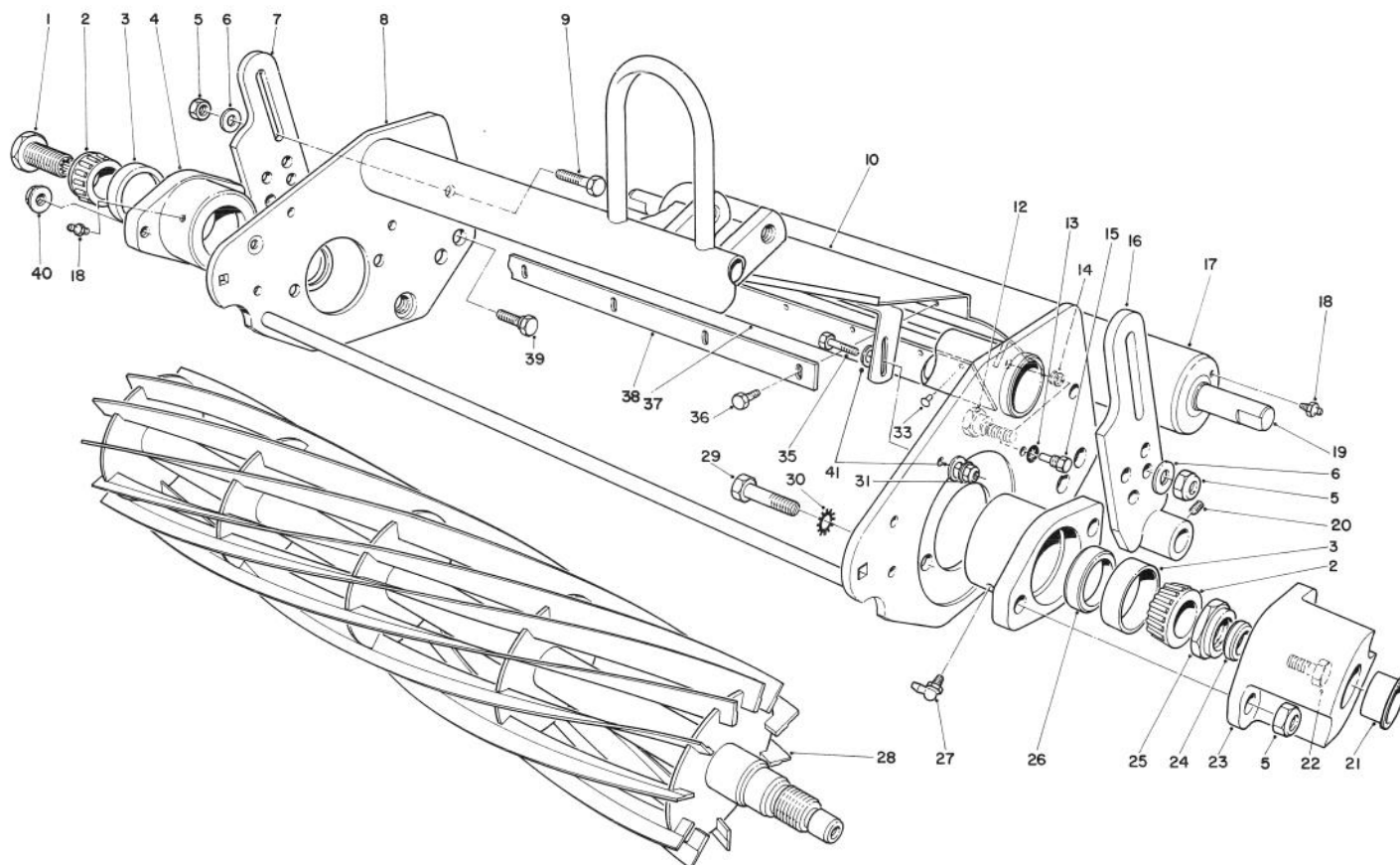
T-0307

CUTTING UNIT MODEL NO. 04405 & 04408 (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
46	3233-26	Bolt - Carriage	2	56	10-5100	Nut - Spline	1
47	3256-22	Washer - Flat	4	57	32128-36	Nut - Nut, Flange	2
48	3296-9	Nut - Lock	11	58	321-4	Screw - Cap, Hex. Hd.	2
49	8-2520	Support Comb	1	*	13-8199	Bar Adj. Gauge (Includes †)	1
50	3249-3	Screw - Round Head	11	*	37-8130	Grasss Basket Assy.	3
51	8-2530	Comb - Urethane	1	*†	32122-22	Screw - Truss Head	1
52	322-5	Screw - Cap, Hex. Hd.	2	*†	3219-14	Nut - Hex	1
53	3255-8	Washer - Lock	2				
54	32108-20	Screw - Flat Head	2				
55	70-1100	Frame - Reel	1				

*Not Illustrated

†Special Tool for Installation



T-0309

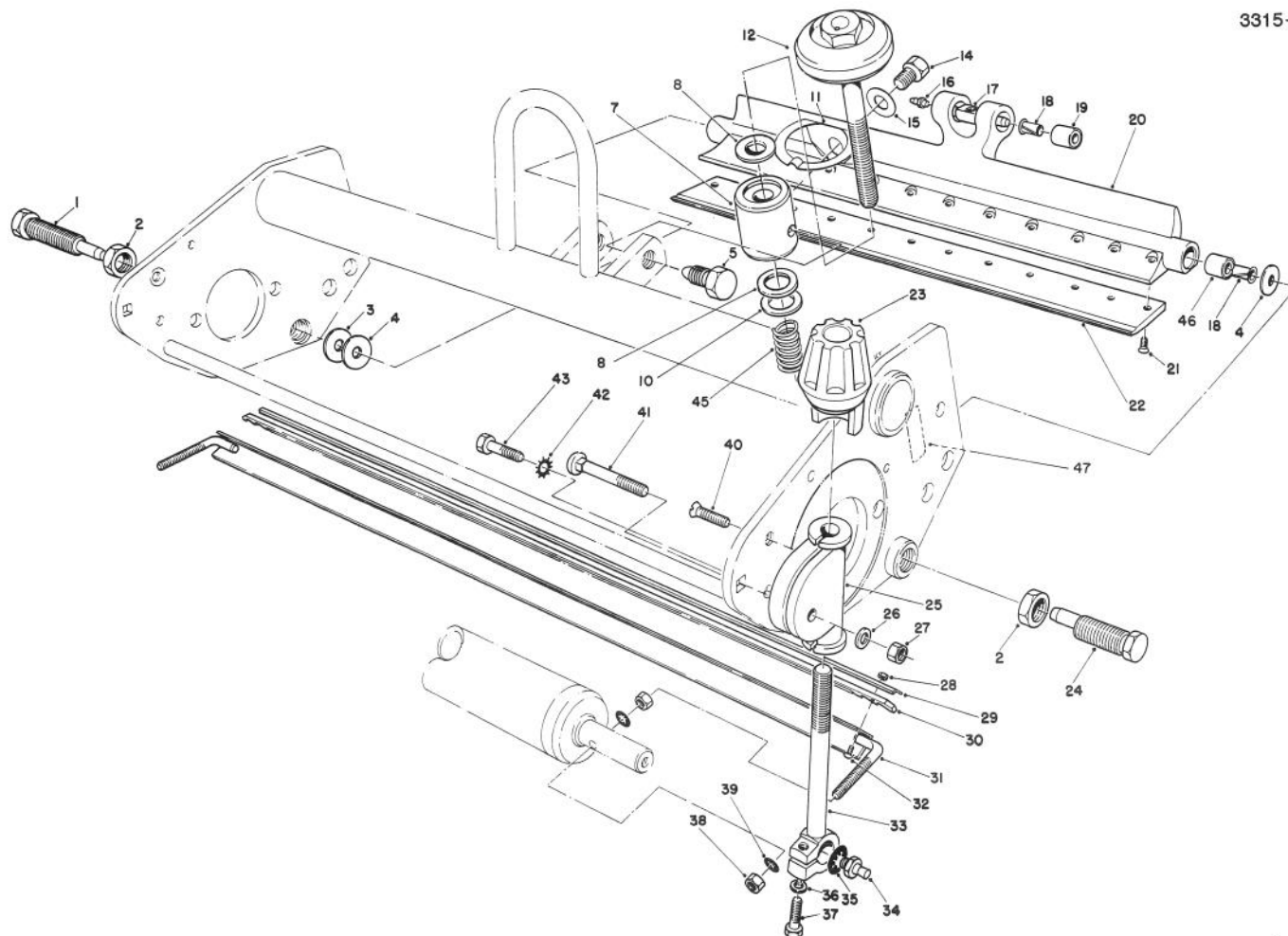
CUTTING UNIT MODEL NO. 04450 (11 Blade) CUTTING UNIT MODEL NO. 04468 (8 Blade)

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	65-8600	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



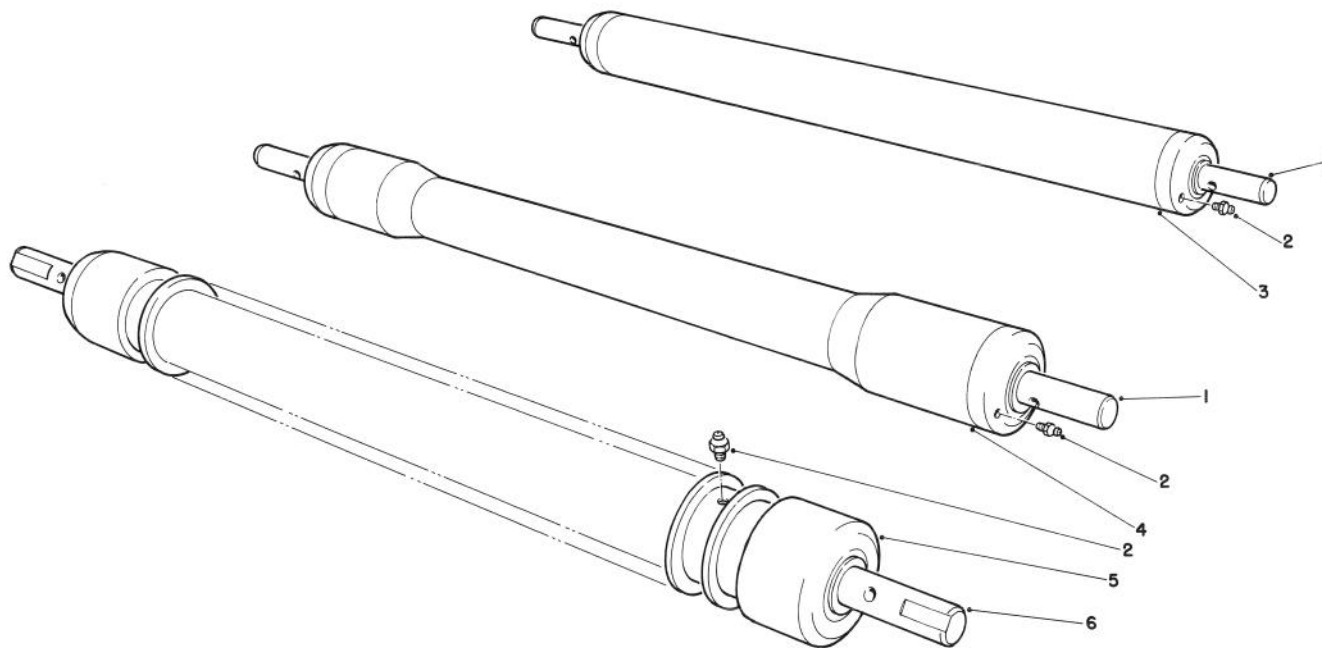
T-1123

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	52-2930	Bolt - Adjustment Shoulder	1	26	3256-23	Washer - Flat	2
2	3220-6	Nut - Hex ,Jam	2	27	3296-29	Nut - Lock	2
3	52-2860	Washer	1	28	3296-9	Nut - Lock	11
4	52-2900	Washer - Poly	2	29	8-2520	Support - Comb	1
5	66-7240	Screw - Pivot SPA	2	30	8-2530	Comb - Urethane	1
7	77-0330	Pivot - Single Point Adjust.	1	31	11-0070	Scraper Comb Assembly (Incl. Ref. #28-30 & 32)	1
8	77-0350	Retainer - Bearing	2	32	3249-3	Screw - Round Hd.	11
10	257-5	Washer - Steel	2	33	10-5010	Screw - Roller Adjustment	2
11	66-7220	Arm - Spring	1	34	2411-7	Ball Stud	2
12	77-0300	Handle Assembly	1	35	3254-6	Washer - Lock	2
14	324-25	Screw - Cap, Hex. Hd.	1	36	3253-3	Washer - Lock	2
15	3256-25	Washer - Flat	1	37	321-4	Screw - Cap, Hex Hd.	2
16	302-18	Fitting - Grease	1	38	3219-1	Nut - Hex	4
17	57-5260	Pivot - Bedbar	1	39	3254-8	Washer - Lock	4
18	52-2890	Bushing - Flanged	4	40	32108-20	Screw - Machine, Flat Hd.	2
19	62-5510	Rubber Bushing Assembly	2	41	3-7253	Bolt - Carriage	2
20	57-4940	Bedbar	1	42	3255-8	Washer - Lock	2
†21	57-4910	Screw - Special	13	43	322-5	Screw - Cap, Hex Hd.	2
22	63-8470	Bed Knife 1/8"	1	45	66-7230	Spring - Compression	1
*	62-2500	Bed Knife 3/16"	1	46	63-9510	Rubber Bushing Assembly	2
*	63-8560	Bed Knife - Tournament	1	47	77-0490	Decal - Bolt, Eccentric	1
*	63-8600	Bedknife - Fairway	1	*	37-8130	Grass Basket Assembly	2
23	65-8600	Knob - Height Adjustment	2	*	13-3659	Overhaul Kit	1
24	52-2910	Bolt - Eccentric Shoulder (L.H.)	1	*†		Tool - Bed Knife Screw	1
25	10-5060	Bracket - Height of Cut	2				

*Not Illustrated

*†Special Tool for Installation



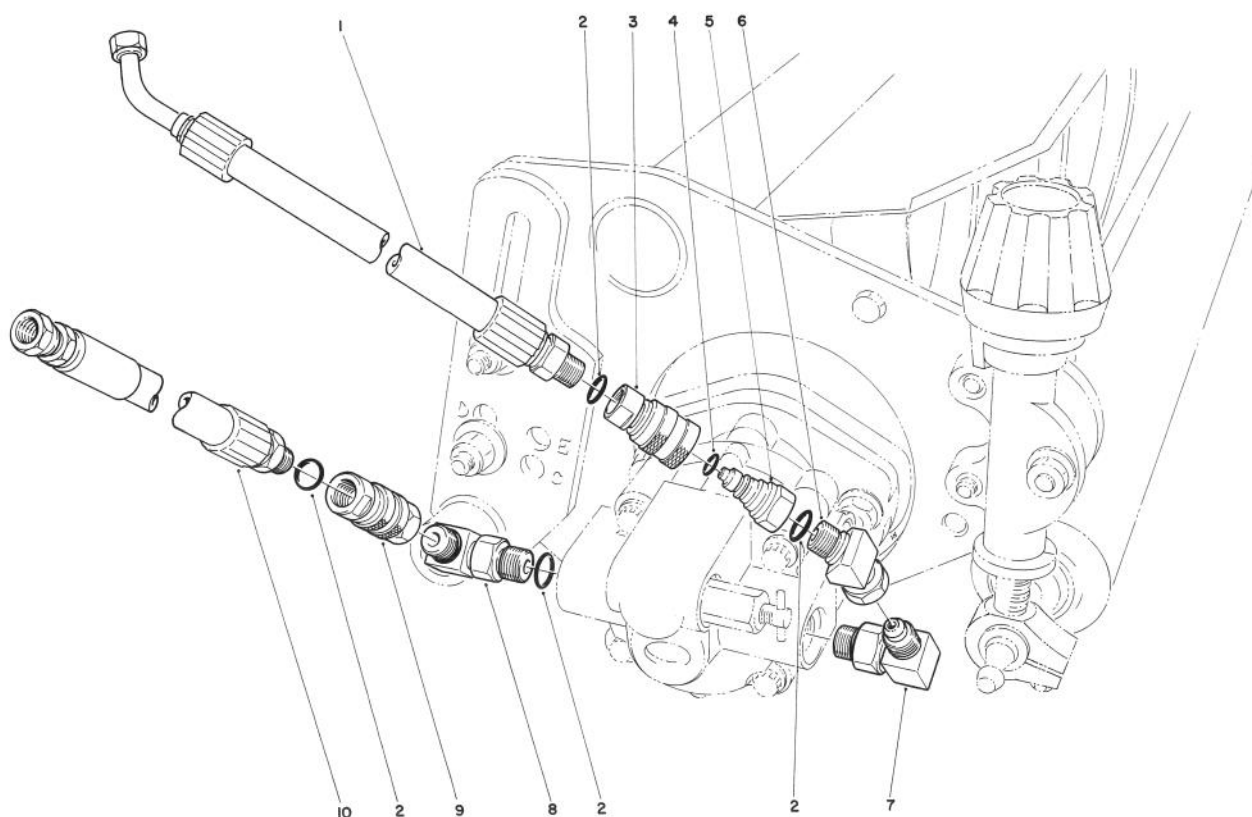
T-0956

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. No.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

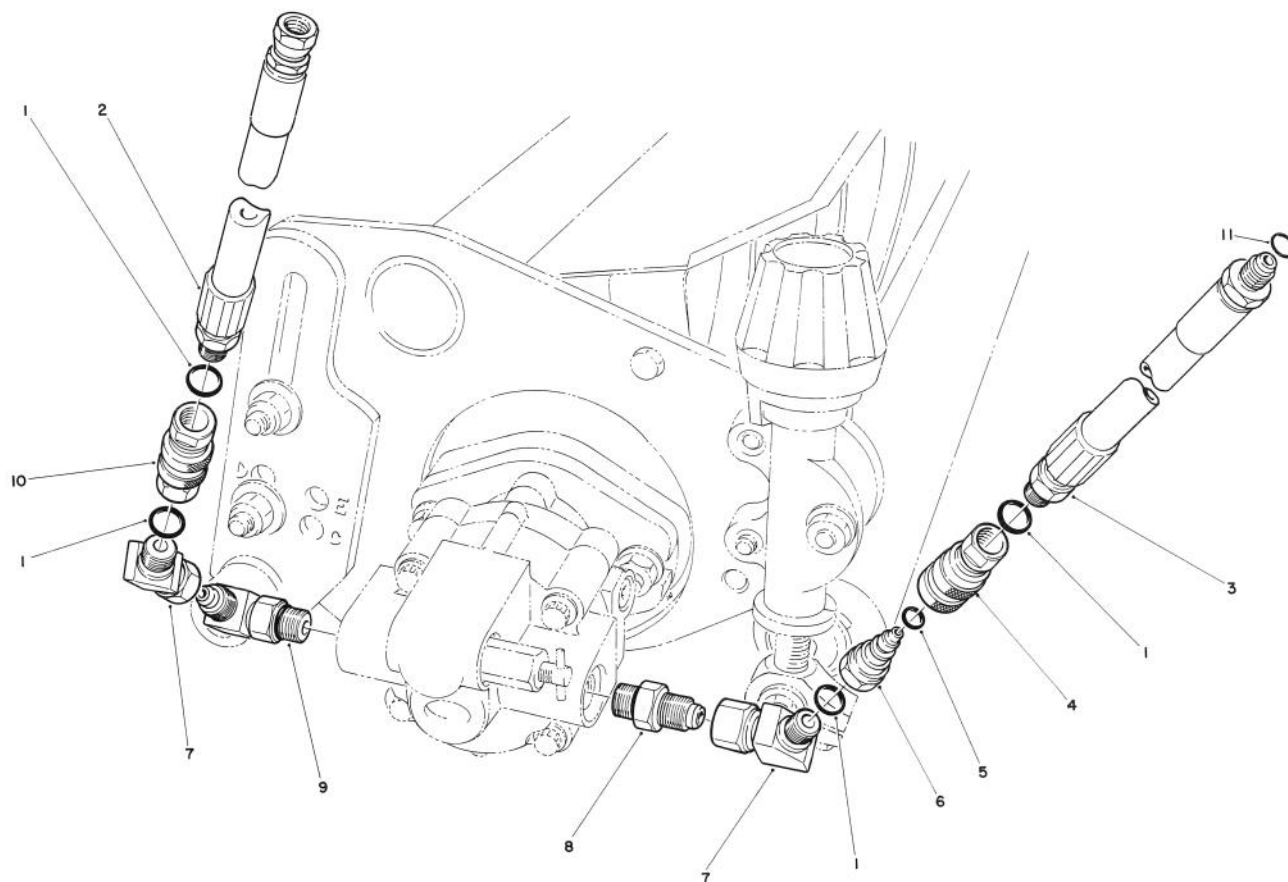


T-0316

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 Disconn. (Incl. Ref. #3-5)	2
10	70-9950	Hose Assembly - Return (Incl. Ref. #2)	1

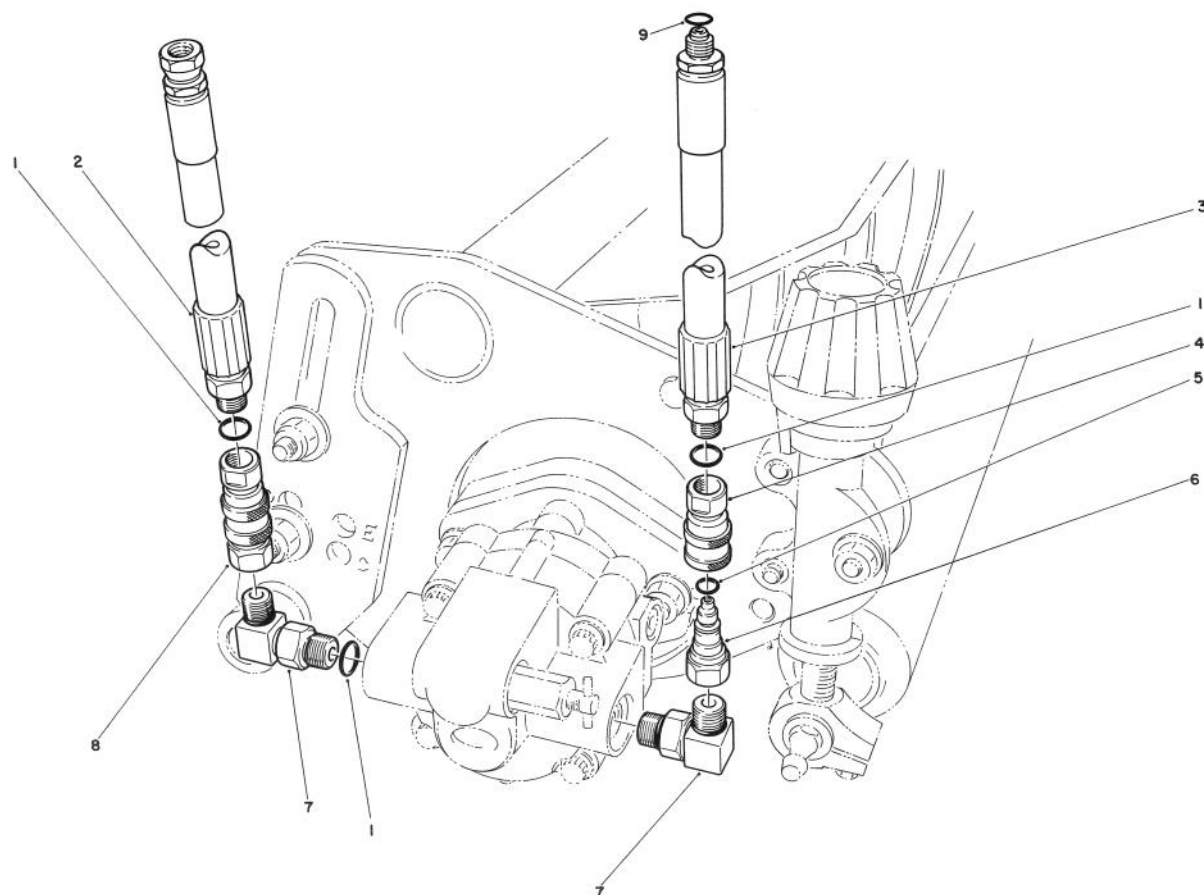


T-0317

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 Disconn. (Incl. Ref. #4-6)	2
11	237-22	O-Ring	1

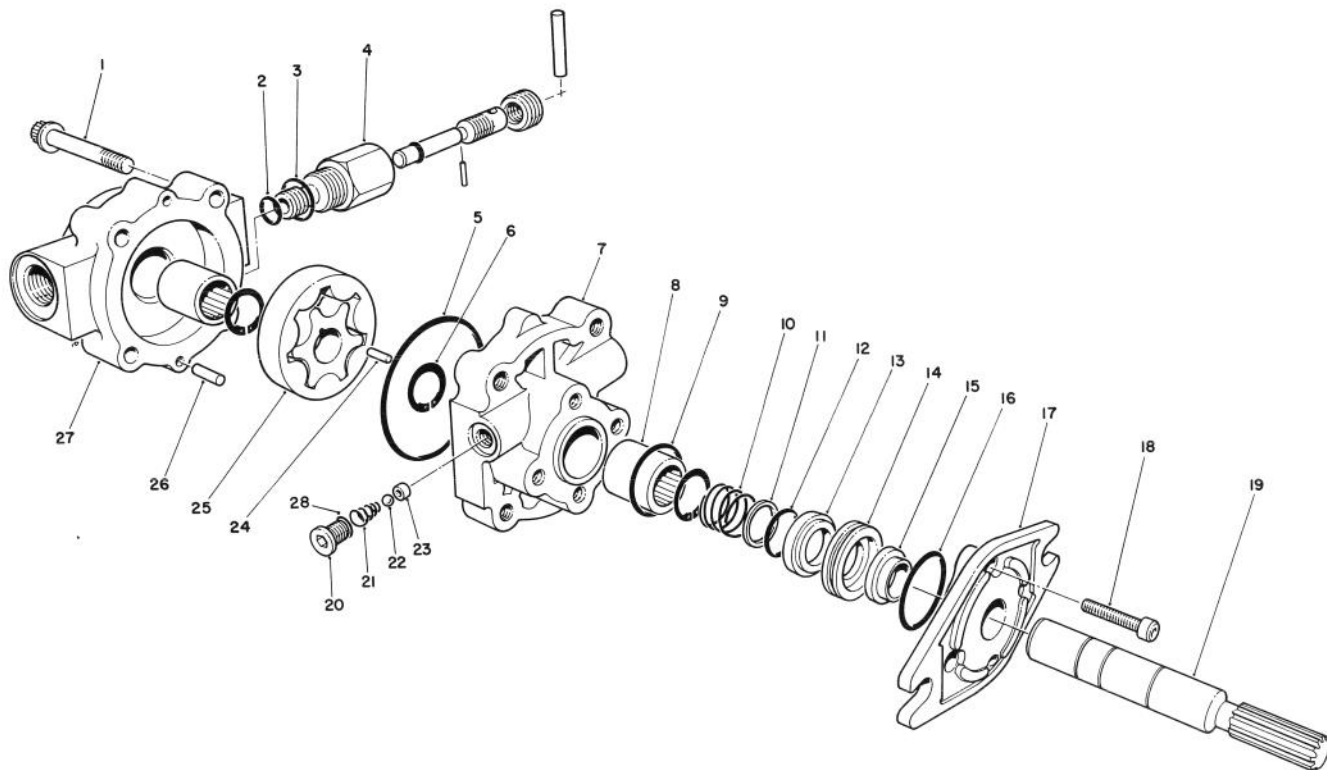


T-0318

BACKLAPPING KIT NO. 63-4960 (Continued)

No. 3 Cutting Unit

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	237-42	O-Ring	6	6	353-933	Coupling	2
2	70-9950	Hose Assembly - Return (Incl. Ref. #1)	1	7	353-374	Fitting - 90° Adjustable El. (Incl. Ref. #1)	2
3	70-9940	Hose Assembly - Pressure (Incl. Ref. #1 & 9)	1	8	54-9620	Coupling - Quick Disconn. (Incl. Ref. #4-6)	2
4	353-934	Coupling	2	9	237-22	O-Ring	1
5	237-142	O-Ring	2				



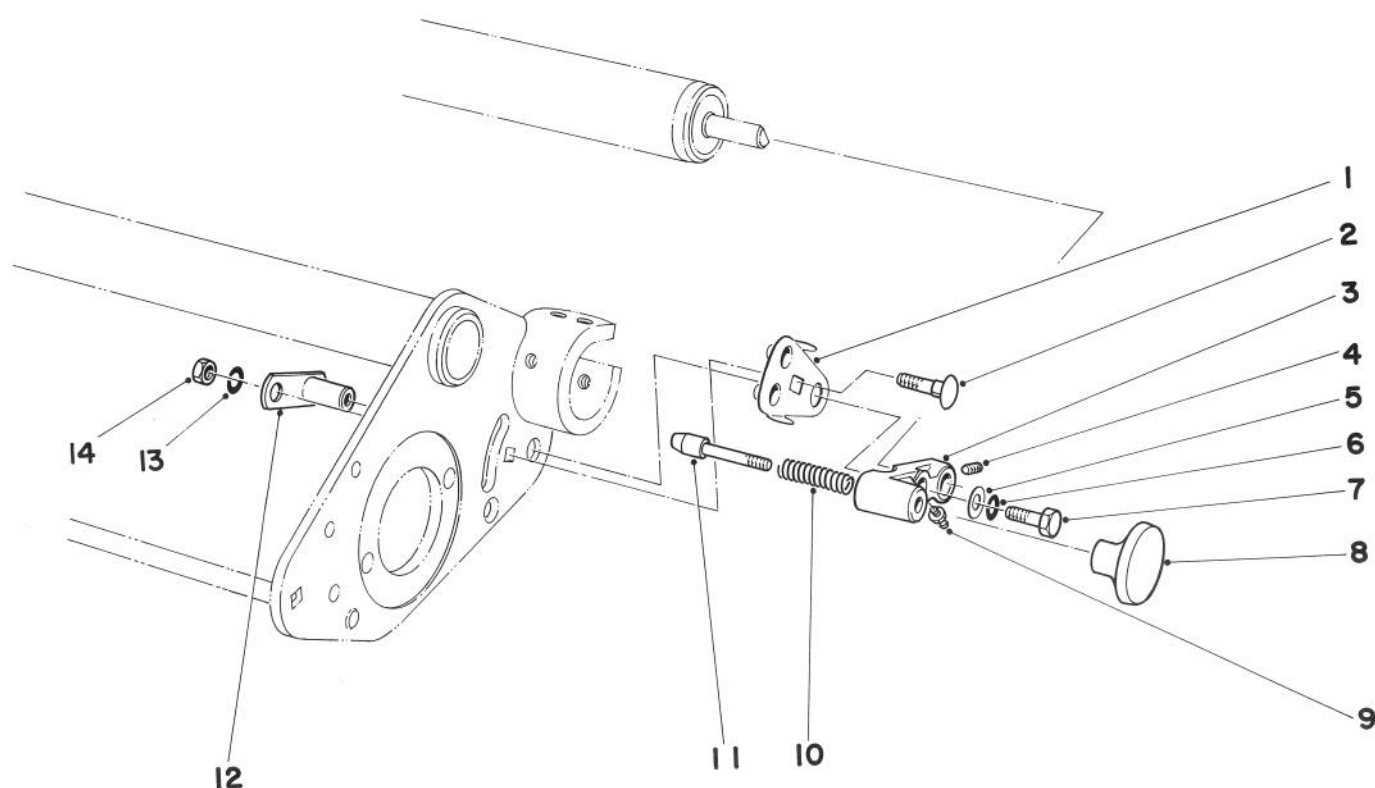
T-0319

BACKLAPPING KIT NO. 63-4960 (Continued)

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

Ref. No.	Part No.	Description	No. Used
16		O-Ring	1
17	353-900	Flange - Mounting	1
18	353-905	Screw	4
19	353-904	Shaft	1
20	353-911	Plug	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	2
*	353-913	Bearing & Seal Kit (Incl. Ref. #5, 8, 9 & 12-16)	1
*	54-9510	Motor & By-Pass Assy. (Complete)	3

*Not Illustrated

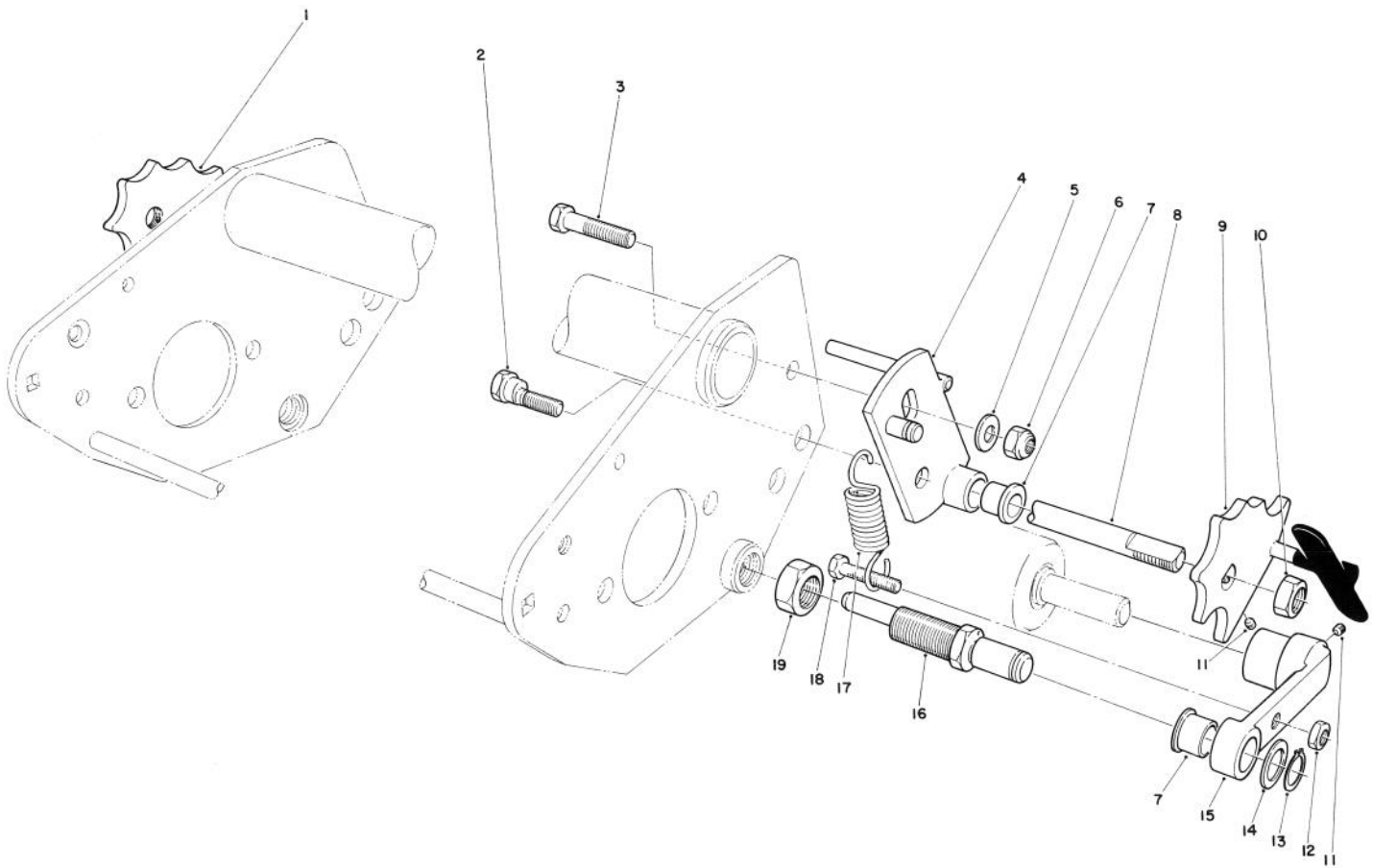


T-0320

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	10-5140	Adj. Plate - Height-of-Cut	6	9	302-18	Fitting - Grease	6
2	3230-23	Bolt - Carriage	6	10	10-4850	Spring - Compression	6
3	10-4870	Bracket Height-of-Cut	6	11	10-4880	Pin - Height-of-Cut	6
4	3245-7	Screw - Set	6	12	20-4700	Pivot Pin	6
5	3256-2	Washer - Flat	6	13	3253-4	Washer - Lock	6
6	3253-3	Washer - Lock	6	14	3217-6	Nut - Hex.	6
7	321-3	Screw - Cap, Hex. Hd.	6				
8	233-28	Knob	6				

Note: Use Rear Roller No. 21-8450 (21-5/8" Lg.) with this Kit.



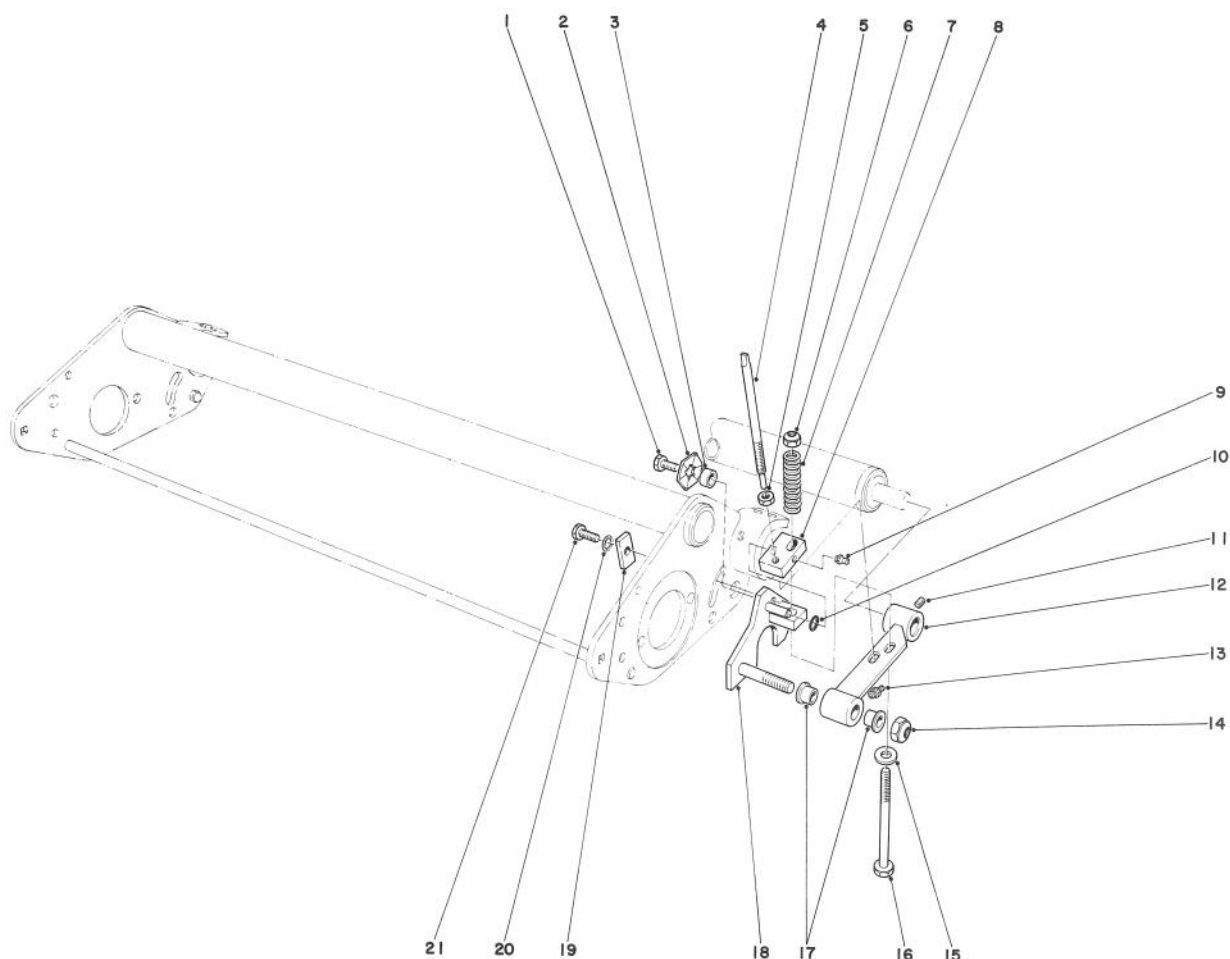
T-0321

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	54-7190	Cam - Quick H.O.C.	3	10	32153-7	Nut - Lock	6
2†	52-3100	Bolt - H.O.C. (L.H. Eccentric)	3	11	3290-125	Screw - Set	12
*†	52-3110	Bolt - H.O.C. (R.H. Shoulder)	3	12	3218-2	Nut - Jam	6
3†	323-7	Screw - Cap, Hex Hd.	6	13	32120-3	Ring - Snap	6
4	54-7250	Bracket - Quick H.O.C. (L.H.) (Incl. Ref. #7)	3	14	36-4780	Washer	6
*	54-7120	Bracket - Quick H.O.C. (R.H.) (Incl. Ref. #7)	3	15	54-7140	Pull Arm Assembly (Incl. Ref. #7)	6
5†	3256-24	Washer - Flat	12	16	54-7300	Bolt - Bedbar (L.H. Eccentric)	3
6†	3296-39	Nut - Lock	12	*	54-7310	Bolt - Bedbar (R.H. Shoulder)	3
7	256-155	Bushing - Flange	12	17	54-7170	Spring - Extension	6
8	54-7180	Shaft - Cam	3	18	322-9	Screw - Cap, Hex Hd.	6
9	54-7240	Cam - Quick H.O.C. (L.H. & Center)	2	19†	3220-6	Nut - Lock	6
*	54-7200	Cam - Quick H.O.C. (R.H.)	1				

*Not Illustrated

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



T-0322

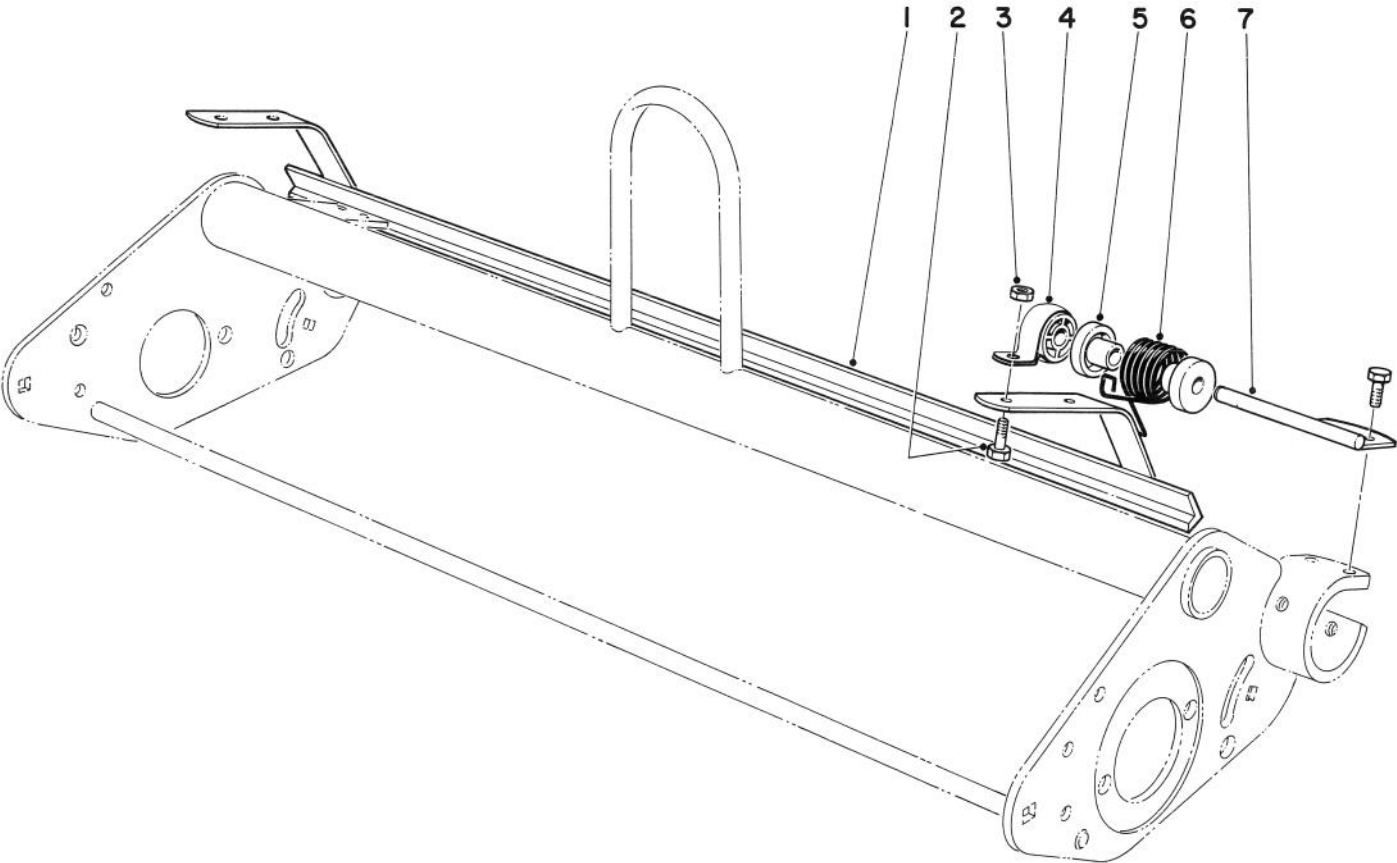
VARIABLE QUICK HEIGHT-OF-CUT KIT NO. 24-9400
(Optional)

Ref. No.	Part No.	Description	No. Used
1	322-2	Screw - Cap, Hex. Hd.	2
2	3290-238	Washer - Lock	2
3	24-9200	Spacer - Mounting	2
4	24-9260	Rod - Adjustment	2
5	3218-2	Nut - Jam	2
6	3296-29	Nut - Lock	2
7	24-9370	Spring - Compression	2
8	24-9220	Pivot Plate	2
9	302-22	Fitting - Grease	2
10	237-21	O-Ring	2
11	3245-1	Screw - Set	2
12	24-9330	Pivot Arm L.H. (Incl. Ref. #13 & 17)	1
*	24-9340	Pivot Arm R.H. (Incl. Ref. #13 & 17)	1

Ref. No.	Part No.	Description	No. Used
13	302-5	Fitting - Grease	2
14	3296-44	Nut - Lock	2
15	3256-23	Washer - Flat	2
16	322-23	Screw - Cap, Hex. Hd.	2
17	256-116	Bushing	4
18	24-9320	Base Plate L.H.	1
*	24-9310	Base Plate R.H.	1
19	24-9240	Washer	2
20	3254-2	Washer - Lock	2
21	322-3	Screw - Cap, Hex. Hd.	2

*Not Illustrated

Note: Use Rear Roller No. 21-8450 (21-5/8" Lg.) with this Kit



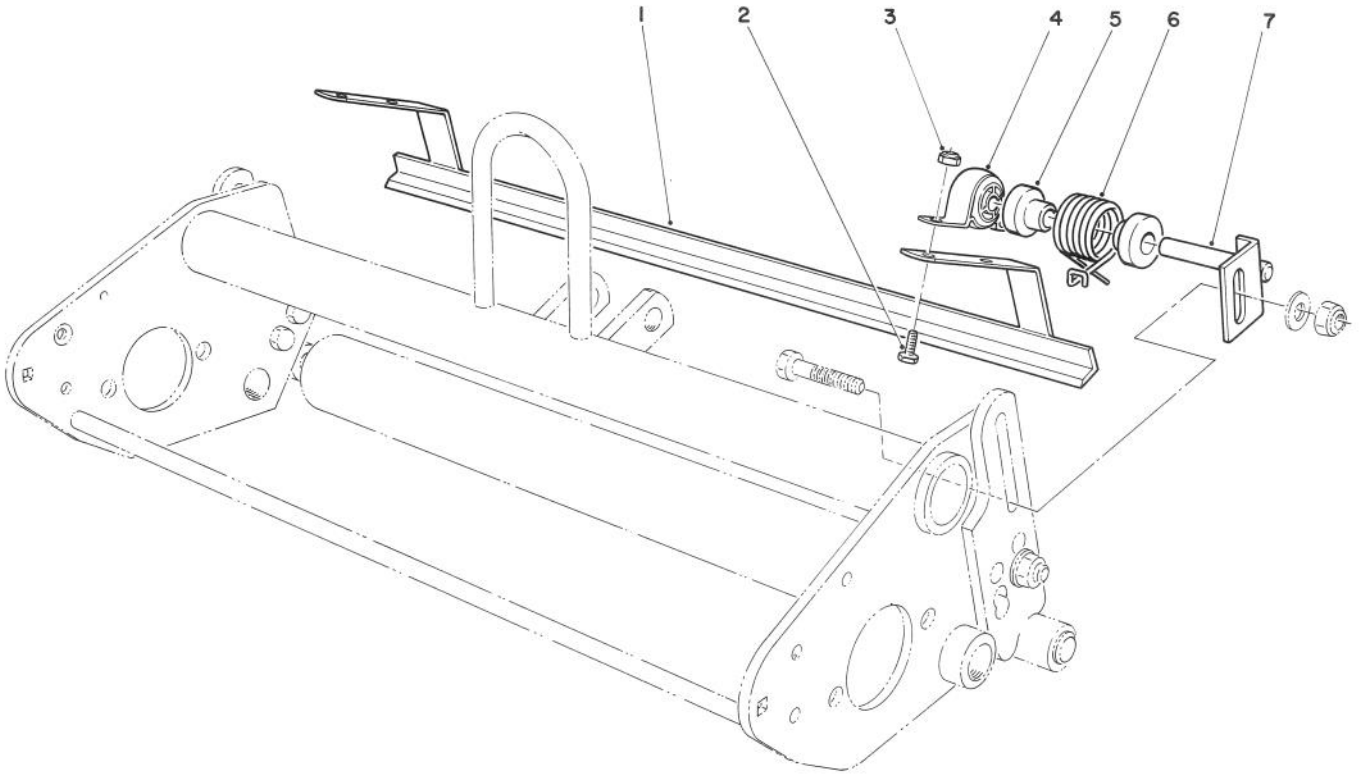
T-0324

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	Spacer - Spring	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



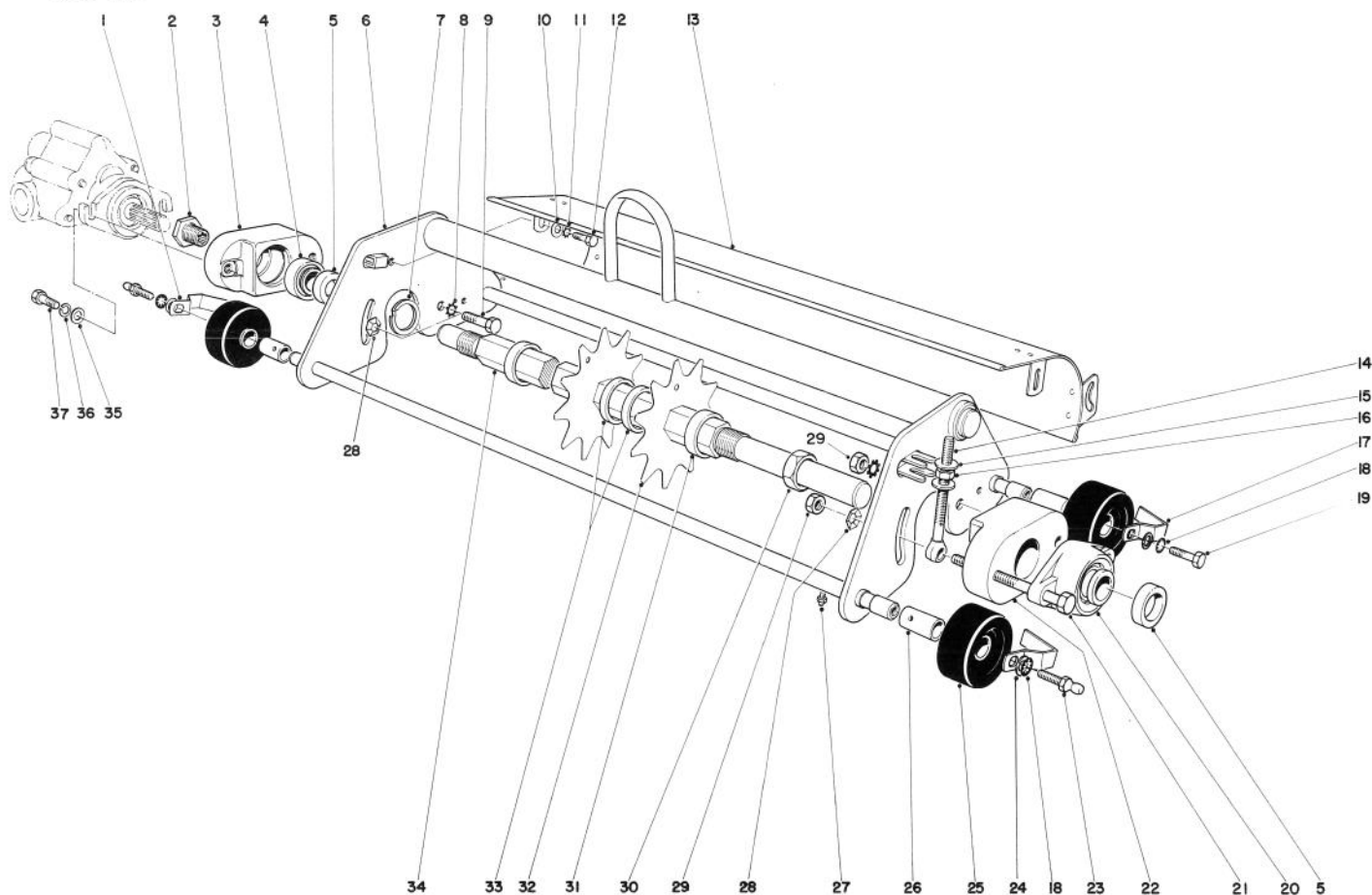
T-0323

ROLLER SCRAPER KIT NO. 53-9240 **(FOR MODEL NO. 04450 & 04468 CUTTING UNITS) (OPT.)**

Ref. No.	Part No.	Description	No. Used
1	42-4800	Bar - Scraper	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	Spacer - Spring	4
6	19-9540	Spring - Torsion LH	1
*	19-9550	Spring - Torsion RH	1
7	53-9250	Bracket - Mount., Scraper	2

*Not Illustrated



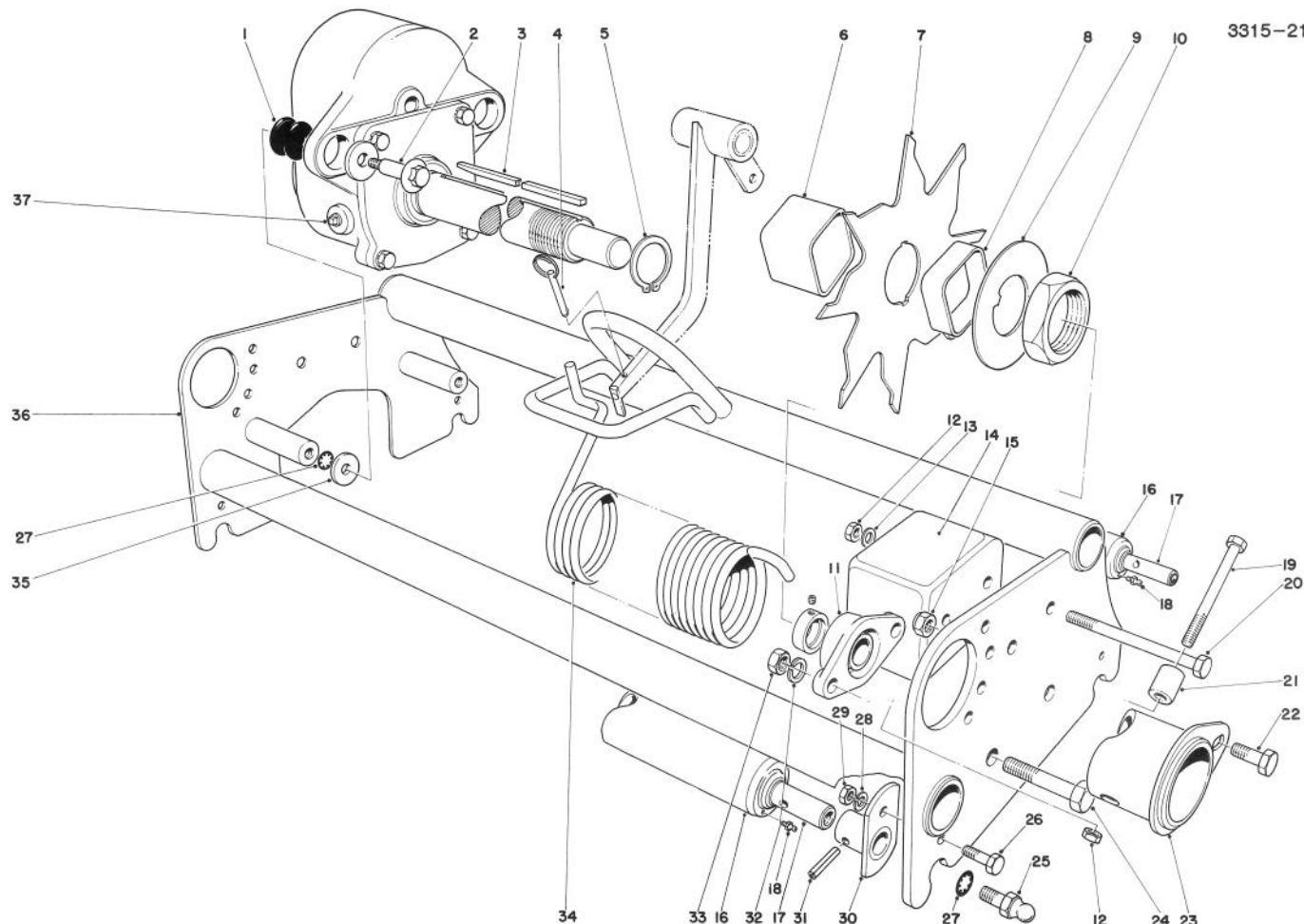
T-0325

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	Bail 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



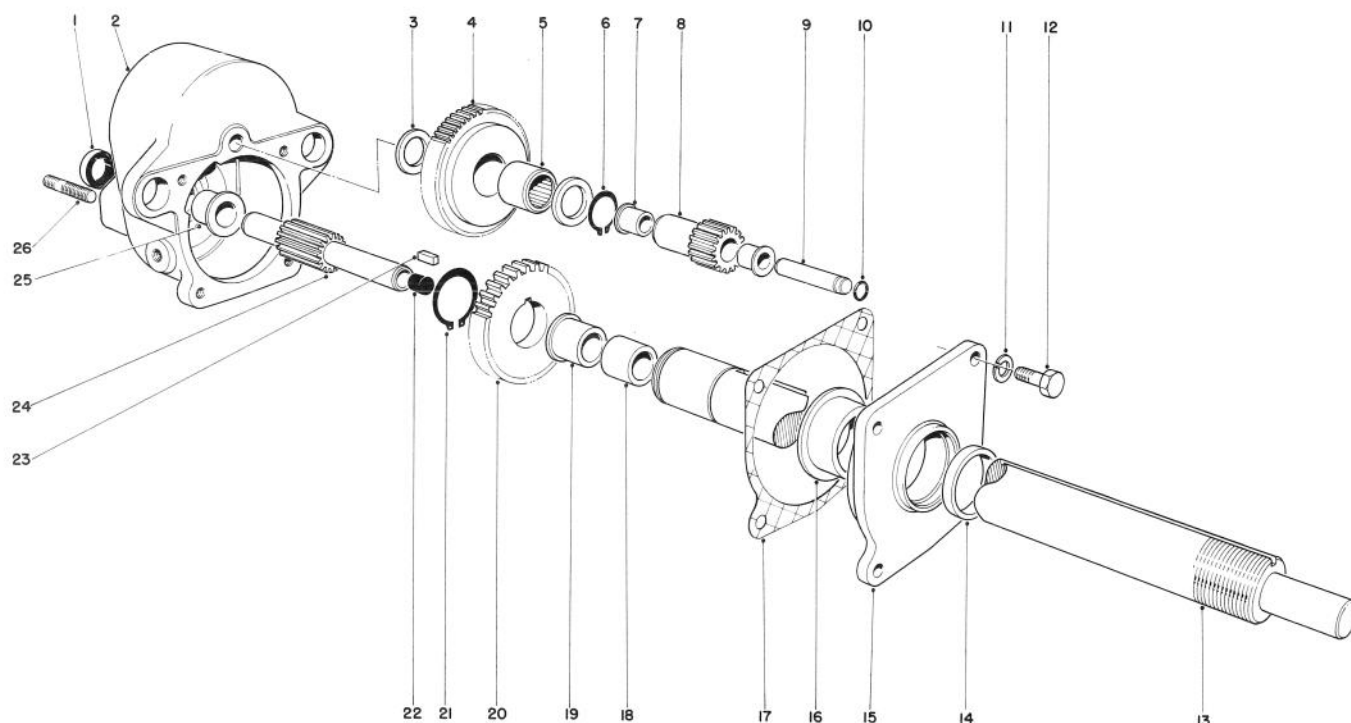
T-0326

SPIKER ATTACHMENT MODEL NO. 04420 (Optional)

Ref. No.	Part No.	Description	No. Used
1	237-90	Grommet	2
2	3-2652	Bolt	2
3	20-7370	Key - Square	1
4	21-9110	Pin - Ball, Lock	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

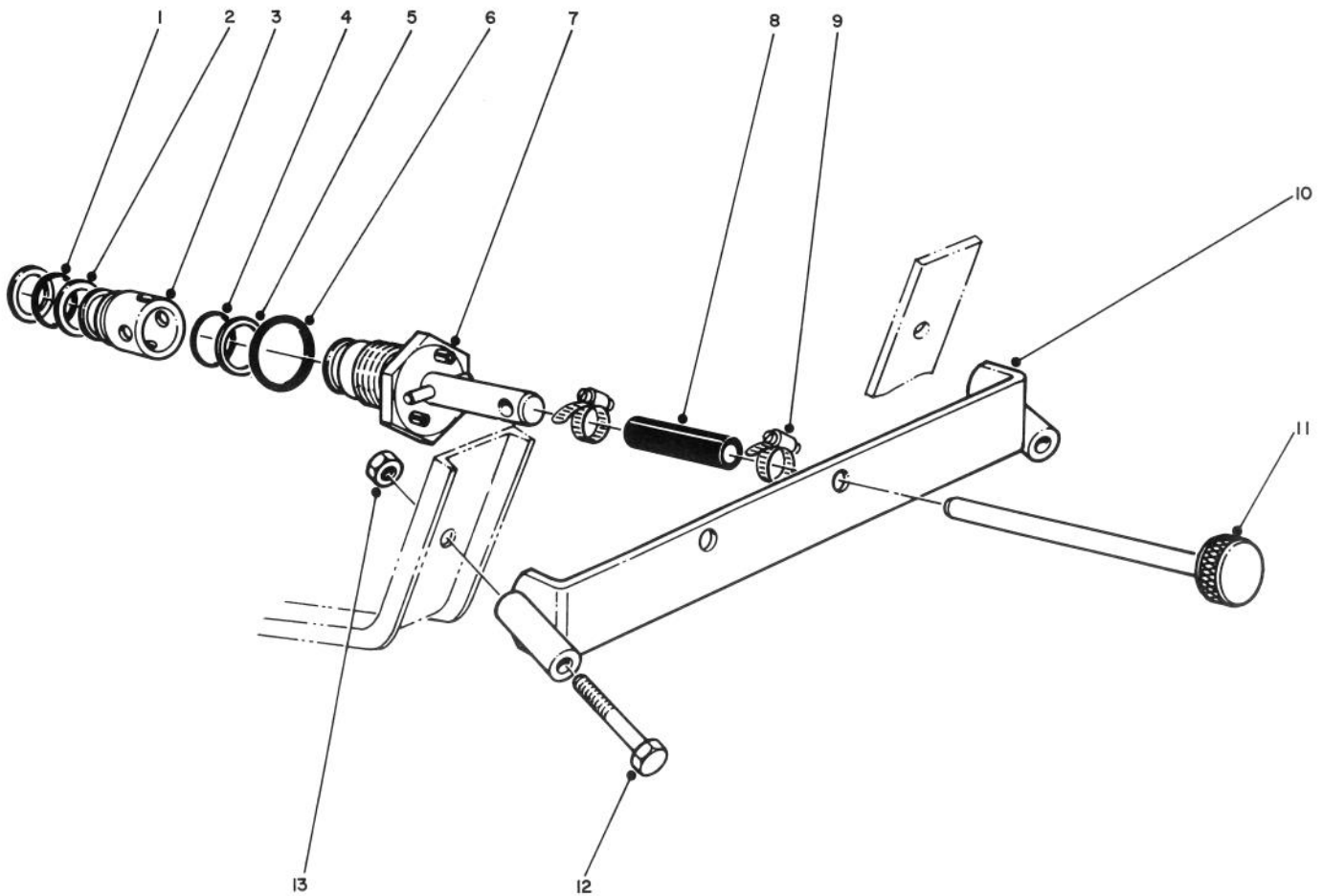
*Not Illustrated



T-0327

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	253-131	Seal	1	14	253-130	Seal	1
2	53-9960	Housing Assembly (Incl. Ref. #1 & 25-26)	1	15	20-7700	Cover Assembly (Incl. Ref. #14 & 16)	1
3	256-115	Washer - Thrust	2	16	20-7740	Bushing	1
4	20-7850	Gear 64T	1	17	20-7410	Gasket	1
5	352-284	Bearing	1	18	256-27	Bushing	1
6	32151-29	Ring - Retaining	1	19	256-117	Bushing	1
7	256-243	Bushing	2	20	20-7820	Gear 45T	1
8	20-7690	Gear 15T (Incl. Ref. #7)	1	21	32151-35	Ring - Retaining	1
9	20-7330	Countershaft	1	22	2410-34	Plug	1
10	237-22	O-Ring	1	23	20-7360	Key	1
11	3253-4	Washer - Lock	4	24	20-7750	Gear 16T	1
12	322-5	Screw - Cap, Hex. Hd.	4	25	256-244	Bushing	1
13	23-5150	Shaft Assembly	1	26	20-7350	Stud	2

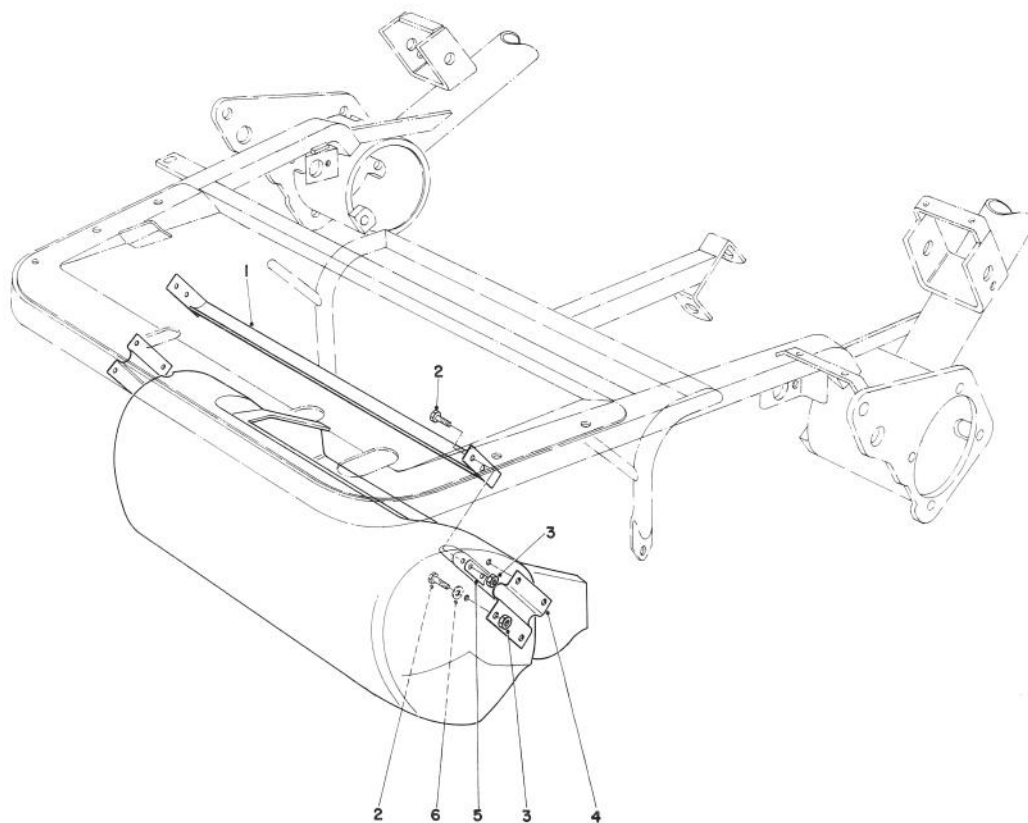


T-0328

REEL SHUTOFF KIT NO. 28-2150 (Optional)

Ref. No.	Part No.	Description	No. Used
1	353-302	O-Ring	2
2	353-303	Backup 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
7	353-503	Shutoff Valve Set (2 Valves Per Set) (Incl. Ref. #1-6)	1
8	18-2400	Hose - Rubber	2

Ref. No.	Part No.	Description	No. Used
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

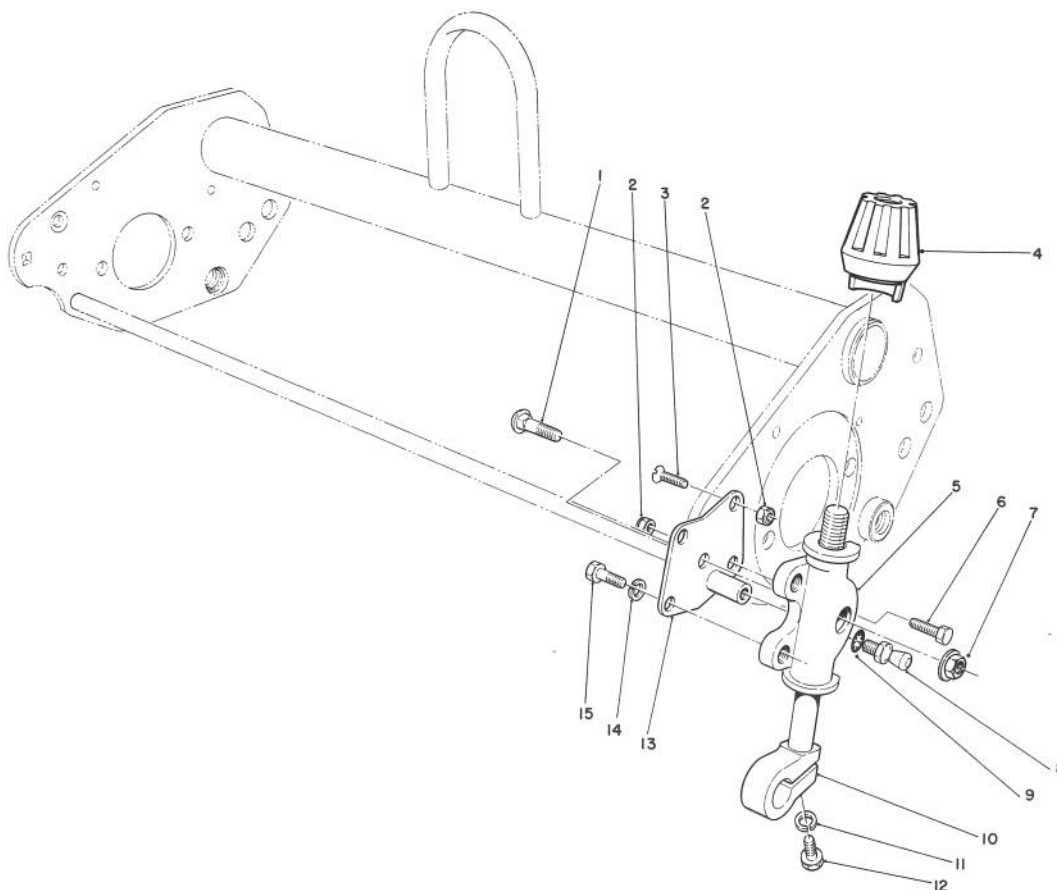


T-0333

BASKET REINFORCEMENT KIT NO. 26-0900 (Optional)

Ref. No.	Part No.	Description	No. Used
1	26-0930	Support - Lift	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	Plate - Wear	6
5	26-0950	Plate Dished	6
6	3256-2	Washer - Flat	24



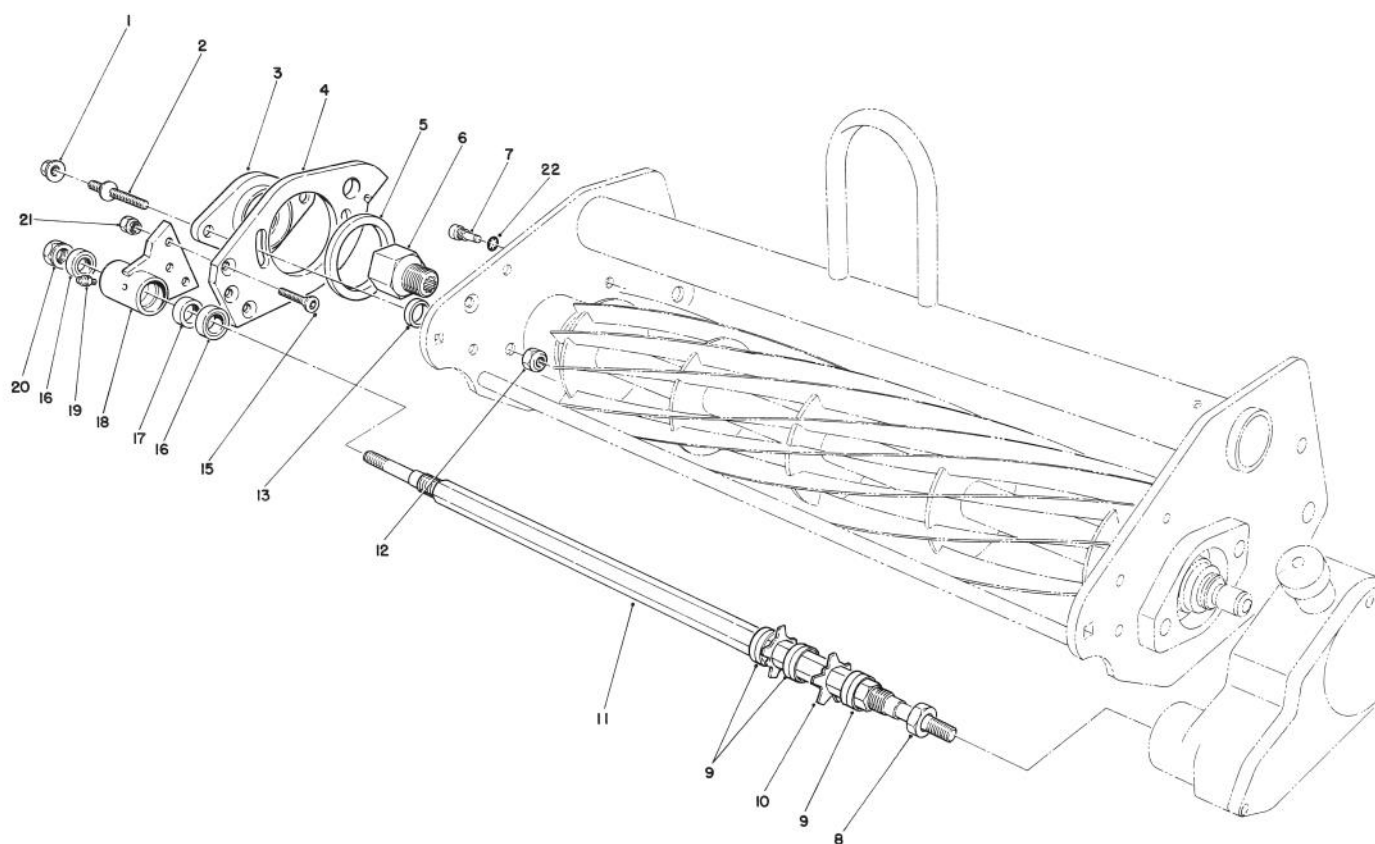
T-0329

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

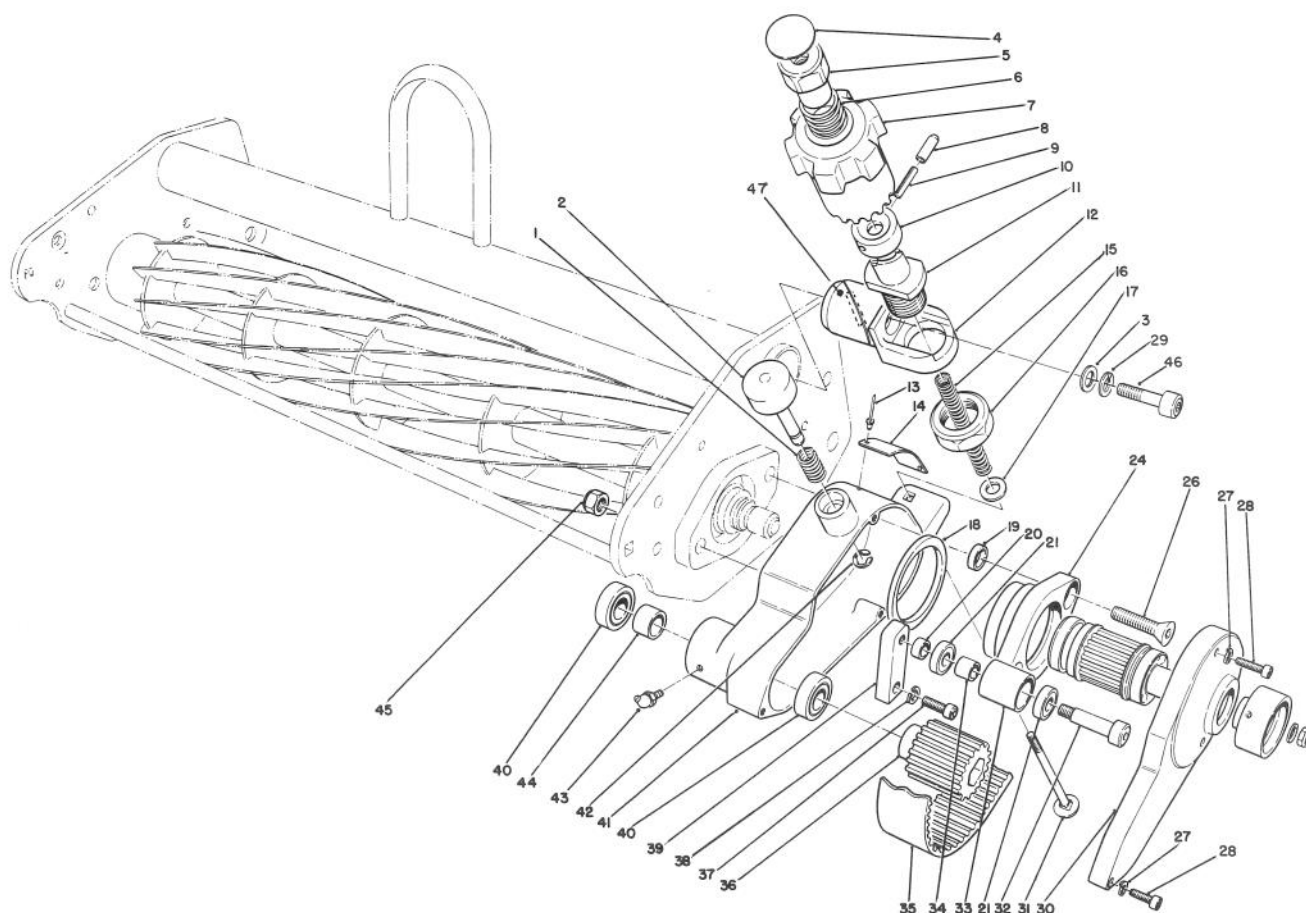


T-0330

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

Ref. No.	Part No.	Description	No. Used
11	75-9980	Shaft	1
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

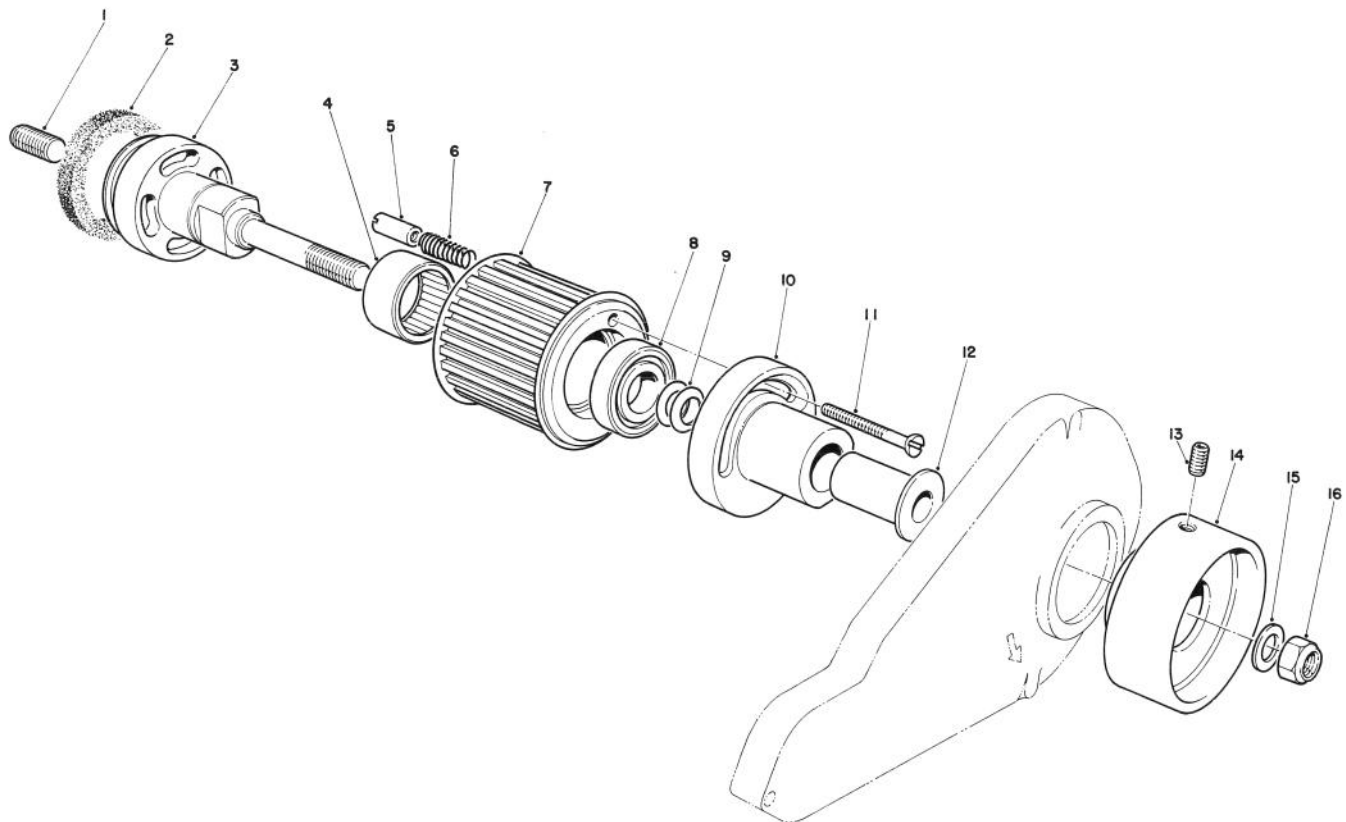


T-0651

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	65-9940	Spring	1	24	65-9350	Adapter	1
2	65-9930	Cap	1	26	3289-19	Screw - Flat Hd. Socket	2
3	3256-74	Washer - Flat	1	27	3253-12	Washer - Lock	3
4	284-3	Plug - Expansion	2	28	3274-13	Screw - Cap, Soc. Head	3
5	65-9670	Driver	2	29	3253-4	Washer - Lock	2
6	65-9580	Spring	2	30	65-9710	Cover - Belt	1
7	65-9560	Adj. Knob Assembly (Incl. Ref. #4-6)	2	31	65-9890	Bolt - Carriage	1
8	2410-68	Cover - Pin	2	32	65-9340	Screw - Shoulder	1
9	32121-15	Pin - Roll	2	33	65-9320	Idler - Pulley	1
10	65-9550	Cap	2	34	65-9980	Spacer - Pulley, Idler	1
11	65-9830	Ramp	2	35	65-9700	Belt	1
12	70-7470	Block - Mounting (Modified)	2	36	65-9290	Pulley - Driven	1
13	3290-271	Rivet - Pop	2	37	3274-22	Screw - Cap, Hex. Soc.	1
14	65-9950	Plate - Caution	1	38	3253-4	Washer - Lock	1
15	65-9810	Spring	2	39	65-9310	Block - Idler	1
16	3296-49	Nut - Lock	2	40	251-327	Bearing	2
17	3256-24	Washer - Flat (LH Side)	1	41	65-9270	Housing - Drive, Belt	1
*	65-9850	Washer (RH Side)	1	42	32120-18	Ring - Retaining	1
18	65-9860	Bearing	1	43	302-11	Fitting - Grease	1
19	65-9820	Spacer	2	44	65-9300	Spacer - Pulley, Driven	1
20	65-9330	Spacer	1	45	32152-2	Nut - Lock	2
21	251-328	Bearing	2	46	3274-86	Screw - Cap, Soc. Hd.	2
				47	257-10	Washer	2

*Not Illustrated

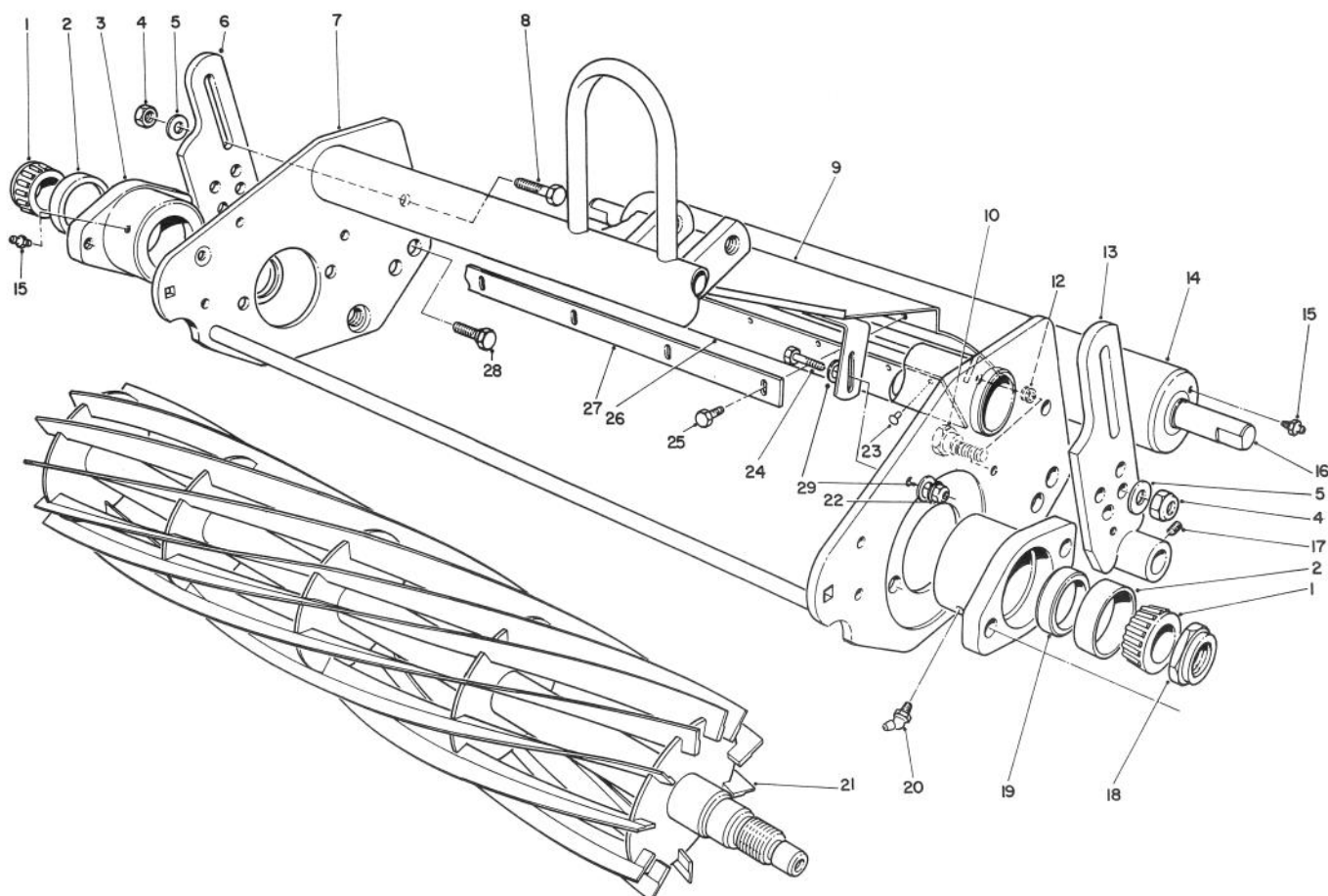


T-0332

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



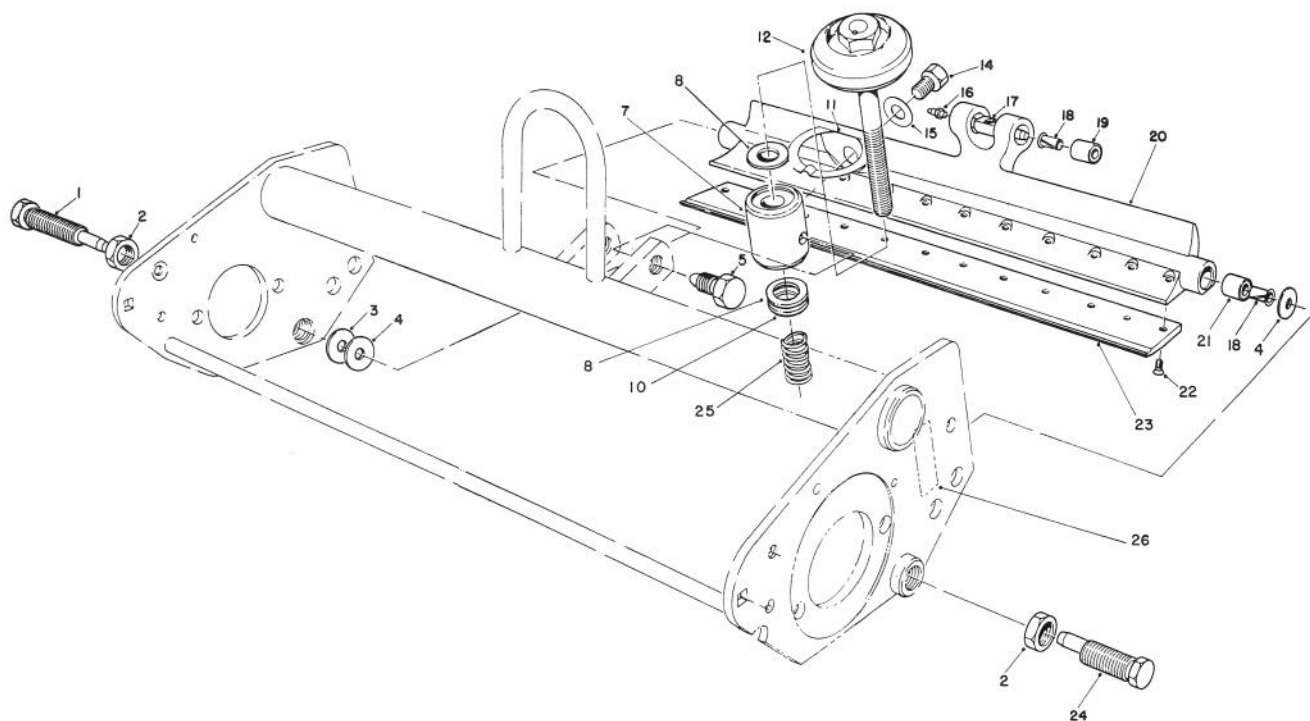
T-1124

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	254-94	Cone - Bearing	2	20	302-11	Fitting - Grease	1
2	254-72	Cup - Bearing	2	21	12-2789	Reel - 11 Blade (Model No. 04450)	1
3	10-5120	Housing - Bearing	2	*	12-3599	Reel 8 Blade (Model No. 04465)	1
4	3296-39	Nut - Lock	4	22	3296-42	Nut - Lock	2
5	3256-24	Washer - Flat	4	23	3295-46	Rivet	13
6	77-1060	HOC Adjustment - RH	1	24	321-5	Screw - Cap, Hex. Hd.	2
7	70-1200	Frame - Reel	1	25	32144-73	Screw - Self Tapping	5
8	323-7	Screw - Cap, Hex. Hd.	2	26	57-5210	Flap - Shield	1
9	57-5200	Grass Shield Assembly (Incl. Ref. #26 & 27)	1	27	36-7260	Cut-Off Bar	1
10	52-3100	Bolt - Eccentric, HOC - LH	1	28	52-3110	Bolt - Shoulder, HOC - RH	1
12	237-84	Grommet	2	29	3256-22	Washer - Flat	4
13	77-1080	HOC Adjustment - LH	1	*	13-8199	Bar Adj. Gauge (Includes †)	1
14	52-3120	Rear Roller Adjustment (Incl. Ref. #15 & 16)	1	†	32122-2	Screw - Truss Head	1
15	302-5	Fitting - Grease	2	†	3219-4	Nut	1
16	21-8430	Bearing - Roller, Rear	2	*†		Brush - Backlapping	1
17	3246-2	Screw - Set	2	*†		Bearing Replacement Tool Kit	1
18	3296-60	Nut - Lock	1				
19	253-96	Seal	2				

*Not Illustrated

*†Special Tool for installation



T-1125

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

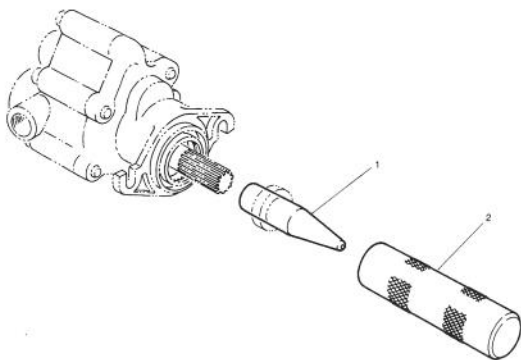
Ref. No.	Part No.	Description	No. Used
18	52-2890	Bushing - Flanged	4
19	62-5510	Bushing Assy. - Rubber	2
20	57-4940	Bedbar	1
21	63-9510	Bushing Assy. - Rubber	1
22	57-4910	Screw - Special	13
23	63-8560	Bed Knife - Tournament	1
*	62-2500	Bed Knife - 3/16"	1
*	63-8470	Bed Knife - 1/8"	1
*	63-8600	Bed 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	1
*†		Tool - Bed Knife Screw	1

*Not Illustrated

*†Special Tool for installation

SPECIAL TOOLS

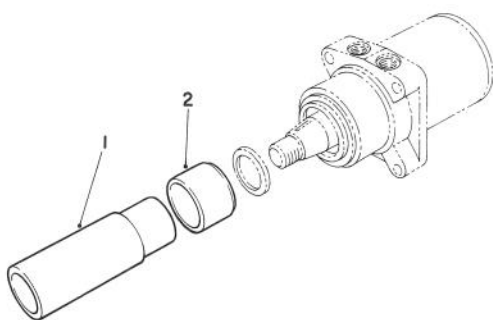
REEL MOTOR SEAL INSTALLATION TOOLS



T-0727

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

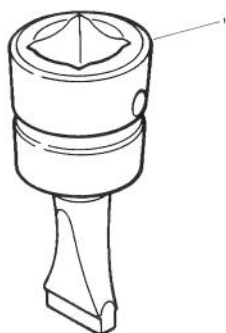
MOTOR SEAL INSTALLATION TOOL NO. TOR192660



T-0728

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

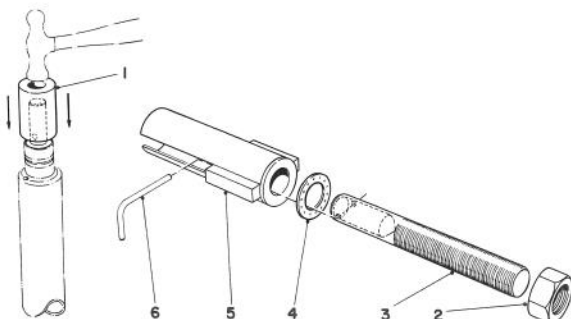
BED KNIFE SCREW TOOL NO. TOR510880



T-0729

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

BEARING REPLACEMENT TOOL KIT NO. TOR238900



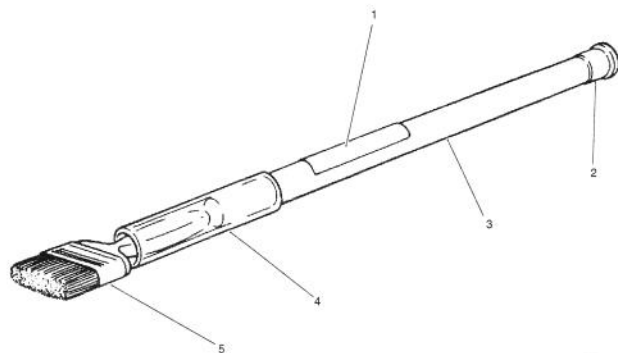
T-0730

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 Co. 2013 4th St. NW Owatonna, Mn 55060

SPECIAL TOOLS (Continued)

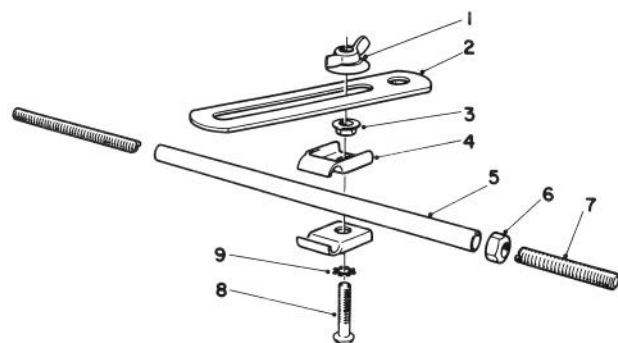
BACKLAPPING BRUSH ASSEMBLY NO. 29-9100



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

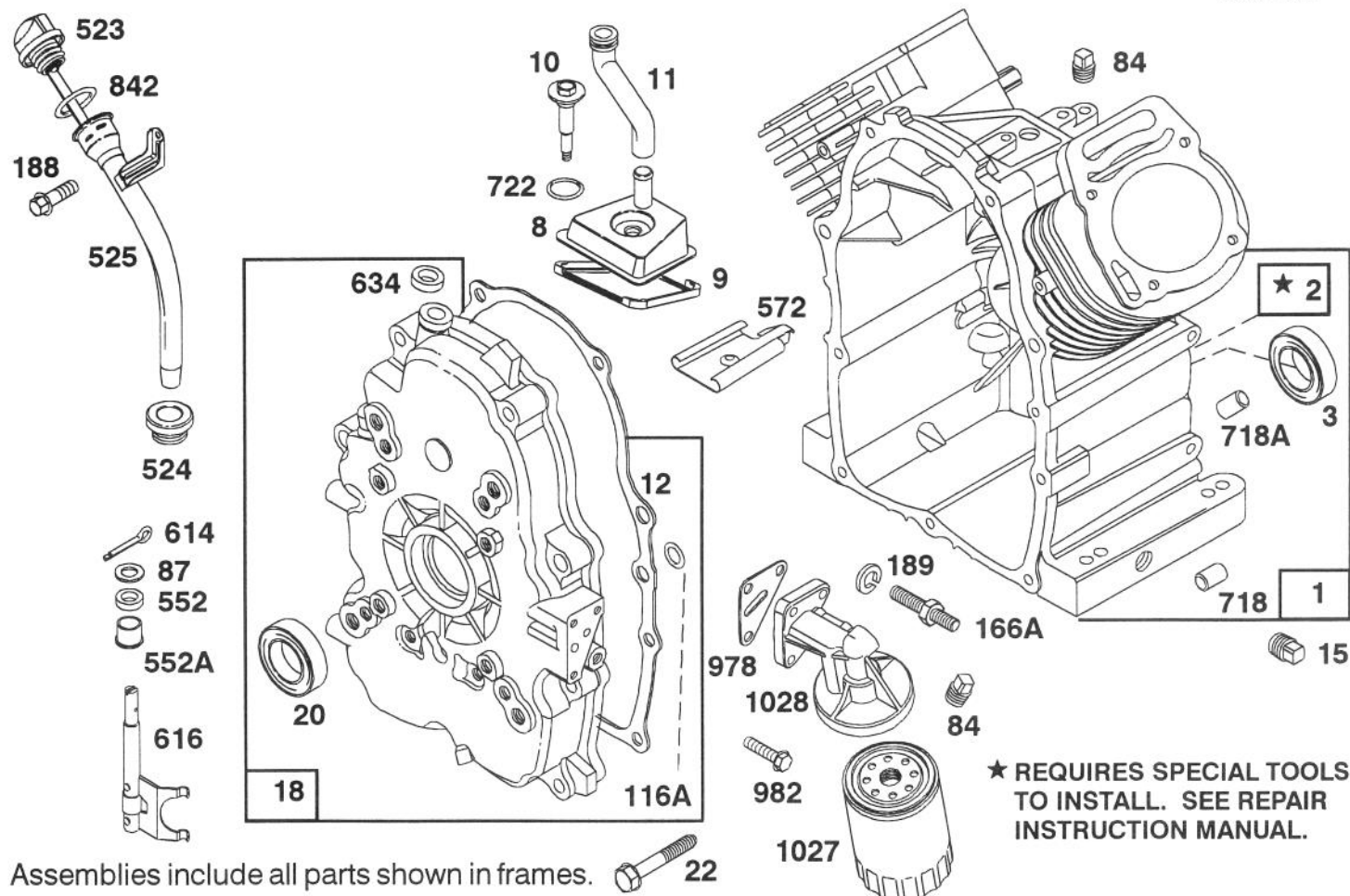
ALIGNMENT TOOL NO. TOR200120



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 Hd.	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

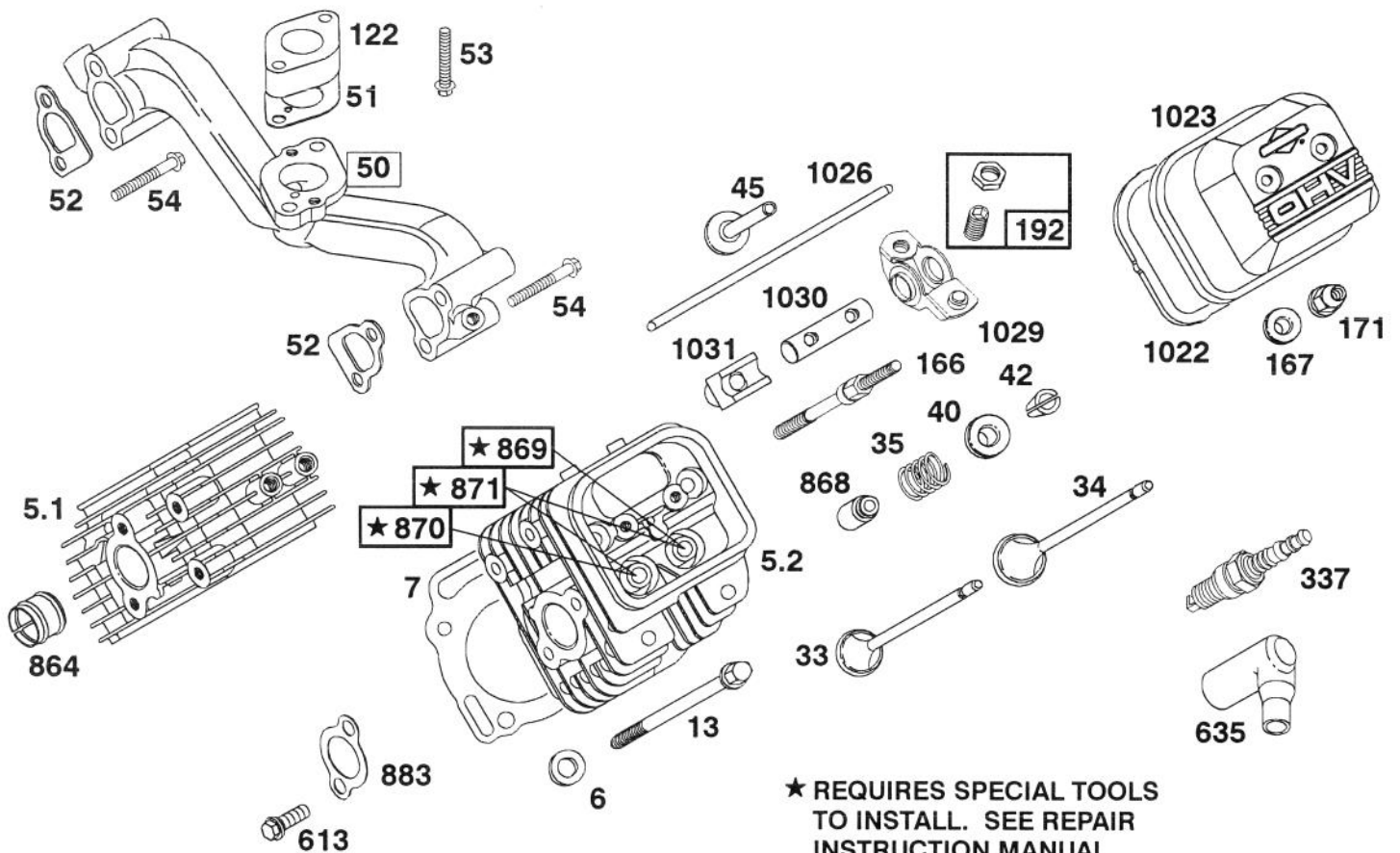


ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
1	807521	Cylinder Assembly	
2	805107	Bearing - Cylinder	
3	805101	Seal - Oil	
8	807795	Breather Assembly	
*9	805379	Gasket - Breather	
10	805751	Screw - Hex. Washer Head	
11	805362	Tube - Breather	
*12	805112	Gasket - Crankcase Cover	
15	805048	Plug - Oil Drain	
18	807628	Cover Assembly - Crankcase	
20	805049	Seal - Oil	
22	805017	Screw - Crankcase Cover	
84	805059	Plug - Pipe	
87	805054	Seal - Governor Shaft	
*116A	805198	O-Ring (Crankcase Cover)	
166A	805073	Stud - Oil Filter Adapter	
188	805247	Screw - Hex. Head	
189	805449	Lockwasher	

Ref. No.	Part No.	Description	No. Used
523	807585	Dipstick	
524	805259	Seal - Filler Tube	
525	807584	Tube - Oil Filler	
552	805412	Bushing - Governor Shaft	
552A	805413	Bushing - Governor Shaft	
572	805197	Baffle - Breather	
614	805417	Pin - Cotter	
616	807596	Fork - Governor	
634	805416	Washer - Governor Shaft	
718	805103	Dowel - Crankcase	
718A	805102	Dowel - Cylinder Head	
*722	805483	Seal - Breather Screw	
842	805386	O-Ring	
*978	805250	Gasket - Oil Filter Adapter	
982	805030	Screw	
1027	491056	Filter - Oil	
1028	805292	Adapter - Oil Filter	
1029	807557	Arm - Rocker	

*Included in Gasket Set - Part No. 807640.



Assemblies include all parts shown in frames.

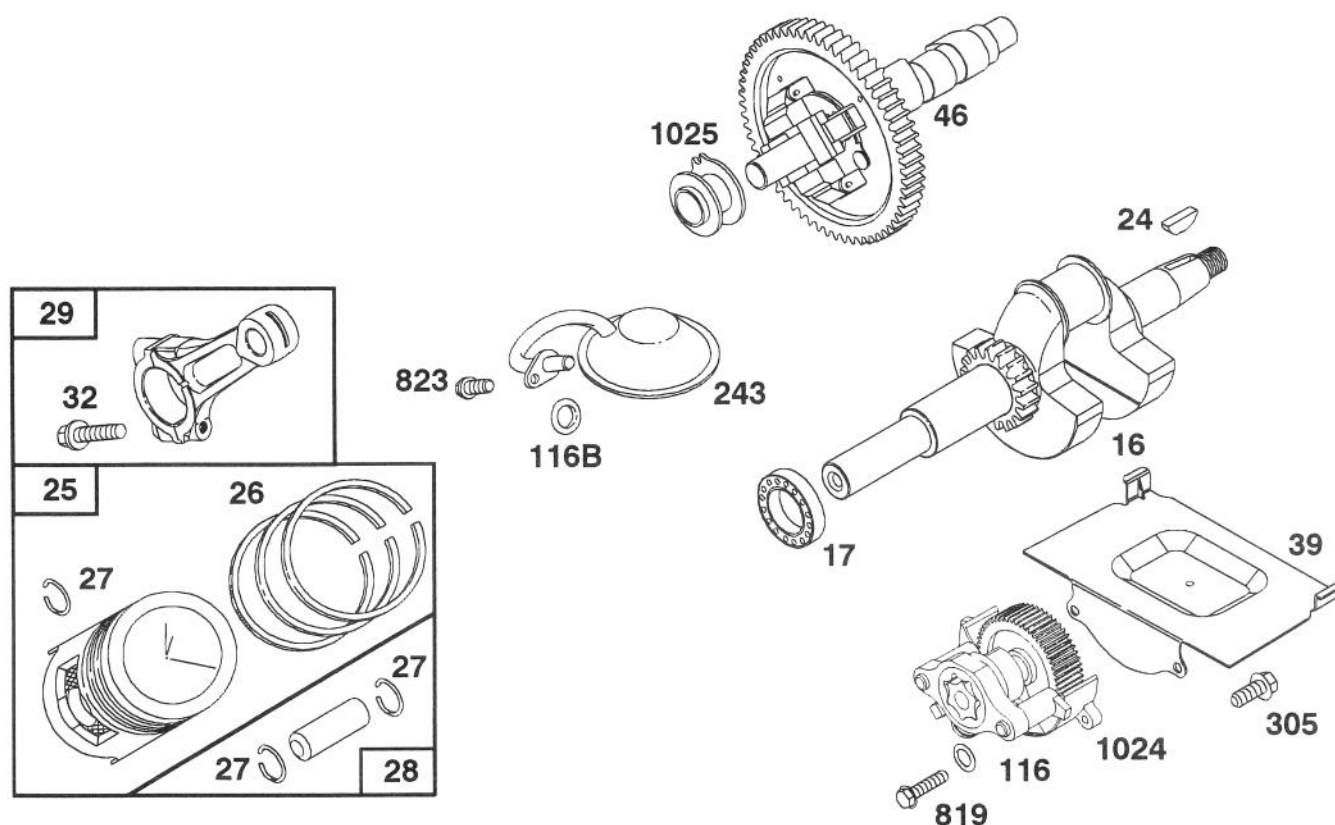
ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
5.1	807508	Head – Cylinder (Cyl. #1)	
5.2	807510	Head – Cylinder (Cyl. #2)	
*6	805193	Washer – Cylinder Head	
†7	805111	Gasket – Cylinder Head	
13	805097	Screw – Cylinder Head	
33	805089	Valve – Exhaust	
34	805090	Valve – Intake	
35	805078	Spring – Valve	
40	805092	Retainer – Valve Spring	
42	805161	Retainer – Valve	
45	805354	Tappet – Valve	
50	805409	Manifold – Intake	
*51	805264	Gasket – Carburetor Mtg.	
*52	805023	Gasket – Intake Manifold	
53	805466	Screw	
54	805006	Screw	
122	805328	Spacer – Carburetor	
166	805343	Stud – Rocker Arm	
†167	805420	Washer – Valve Cover	
*171	805019	Nut – Nylock	

Ref. No.	Part No.	Description	No. Used
192	807623	Screw – Valve Adjustment (Incl. Jam Nut)	
337	491055	Plug – Spark	
613	805158	Screw	
635	805529	Elbow – Spark Plug	
864	805083	Liner – Exhaust Port	
868	805094	Seal – Valve Guide	
869	805085	Seat – Intake Valve	
870	805086	Seat – Exhaust Valve	
871	805084	Guide – Valve	
*883	805024	Gasket – Exhaust Manifold	
†1022	805028	Gasket – Valve Cover	
1023	805100	Cover – Valve	
		Note: 807665 Cover – Valve Used on Cylinder #1.	
1026	805352	Rod – Push	
		Note: 805617 Rod – Push Used on Exhaust Side Only.	
1029	807557	Arm – Rocker	
1030	805342	Shaft – Rocker Arm	
1031	805341	Support – Rocker Arm	

*Included in Gasket Set – Part No. 807640.

†Included in Valve Overhaul Kit – Part No. 807668.

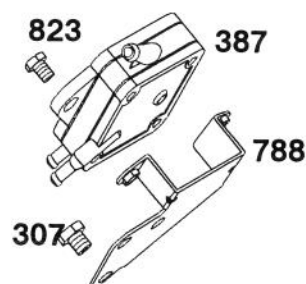
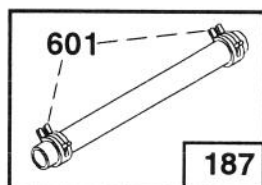
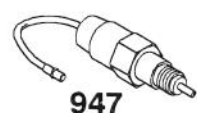
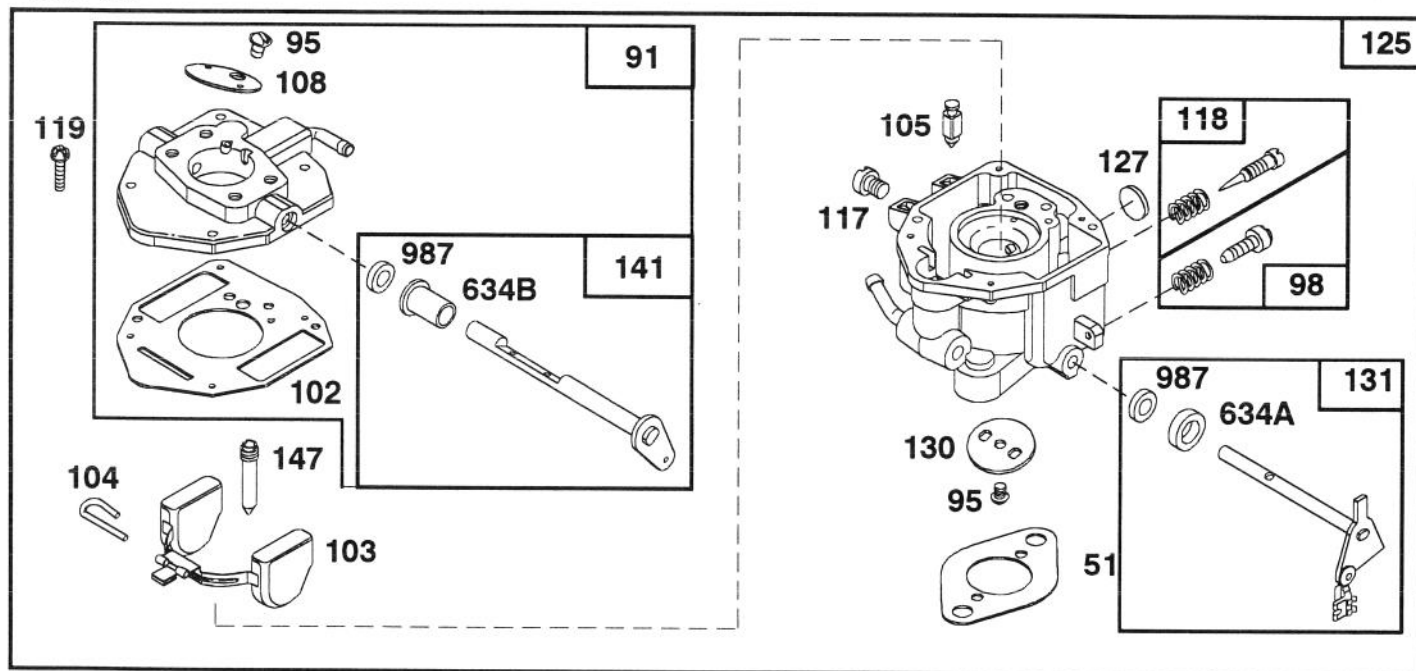


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
16	807589	Crankshaft		28	807621	Piston Pin Assembly	
		Note: 807625 Thrust Washer		29	807622	Connecting Rod Assembly	
17	805213	Bearing - Ball		32	805395	Screw - Connecting Rod	
24	805016	Key - Flywheel		39	805300	Plate - Windage	
25	807619	Piston Assembly (Standard)		46	807542	Gear - Cam	
	807807	Piston Assembly .010 O.S.		*116	805058	O-Ring (Oil Pump)	
	807809	Piston Assembly .020 O.S.		*116B	805316	O-Ring (Pick - Up Tube)	
	807811	Piston Assembly .030 O.S.		243	807598	Screen - Oil Pump Pick-Up	
26	807620	Ring Set - Piston (Standard)		305	805406	Screw	
	807808	Ring Set - Piston .010 O.S.		819	805057	Screw	
	807810	Ring Set - Piston .020 O.S.		823	805317	Screw - Mounting	
	807812	Ring Set - Piston .030 O.S.		1024	807644	Oil Pump Assembly	
27	805099	Lock - Piston Pin		1025	805313	Slider - Governor	

*Included in Gasket Set - Part No. 807640.



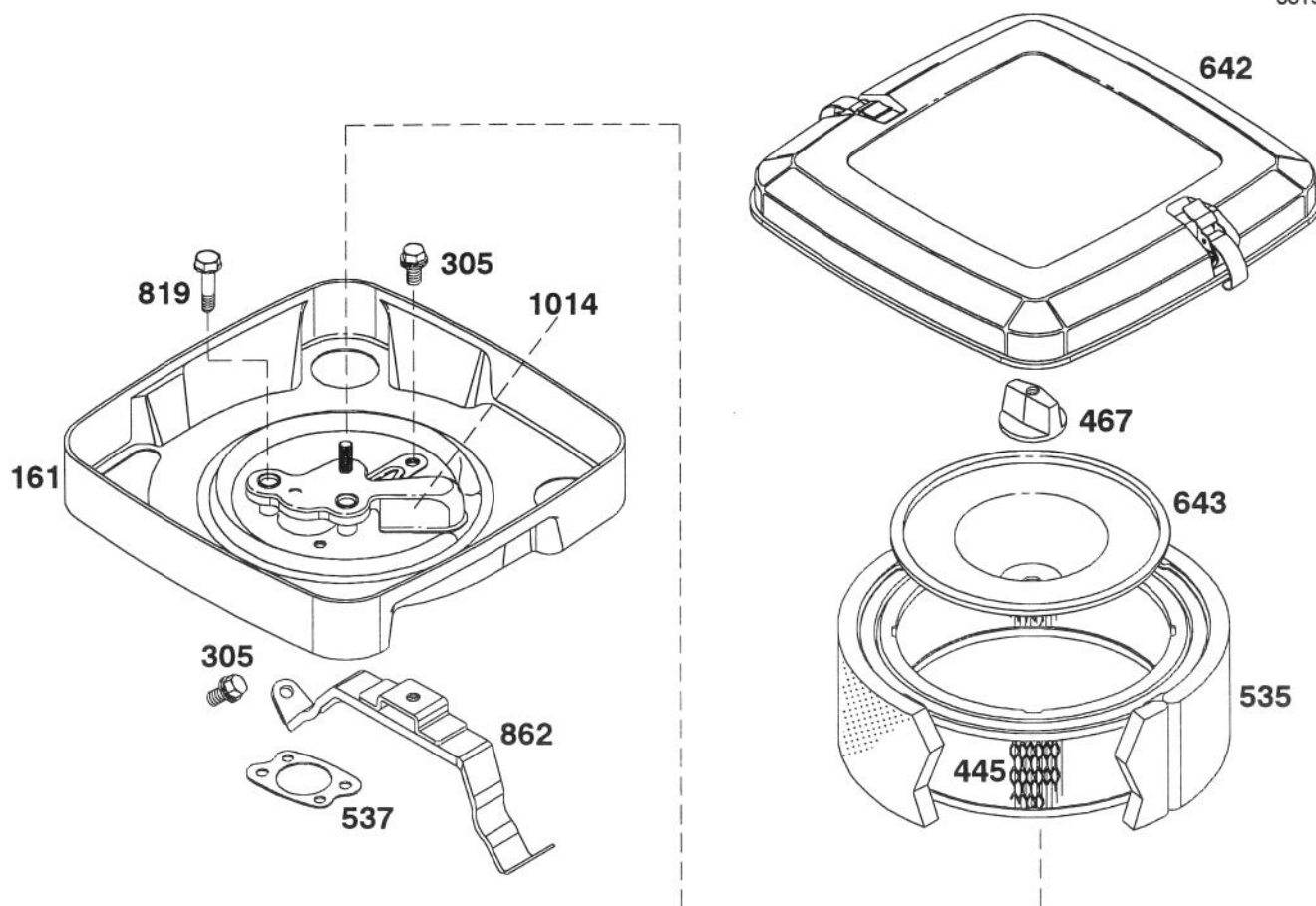
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
*51	805264	Gasket – Carburetor Mtg.	
87	805054	Seal – Governor Shaft	
91	807919	Body – Upper Carburetor	
95	805538	Screw – Valve Mtg.	
98	807718	Screw – Throttle Adj.	
*102	805541	Gasket – Intake Elbow	
103	805546	Float Assembly	
*104	805545	Pin – Float Hinge	
*105	805547	Valve – Fuel Inlet	
108	805539	Valve – Choke	
*117	805548	Jet – Main	
*118	807719	Valve – Idle Adjusting Needle	
119	805540	Screw – Upper Body Mtg.	
125	807918	Carburetor Assembly	
*127	805559	Plug – Welch	

Ref. No.	Part No.	Description	No. Used
130	805554	Valve – Throttle	
131	807720	Shaft – Throttle	
141	807722	Shaft – Choke	
*147	805553	Jet – Slow Speed	
187	393815	Hose – Fuel (Cut to Suit)	
240	394358	Filter – Fuel	
307	805025	Screw	
387	491922	Pump – Fuel	
601	93053	Clamp – Hose	
*634A	805557	Collar – Throttle	
*634B	805543	Collar – Choke	
788	807685	Bracket – Fuel Pump	
823	805317	Screw – Mounting	
947	807664	Solenoid	
*987	805544	Seal – Shaft	

*Included in Carburetor Overhaul Kit – Part No. 807726.

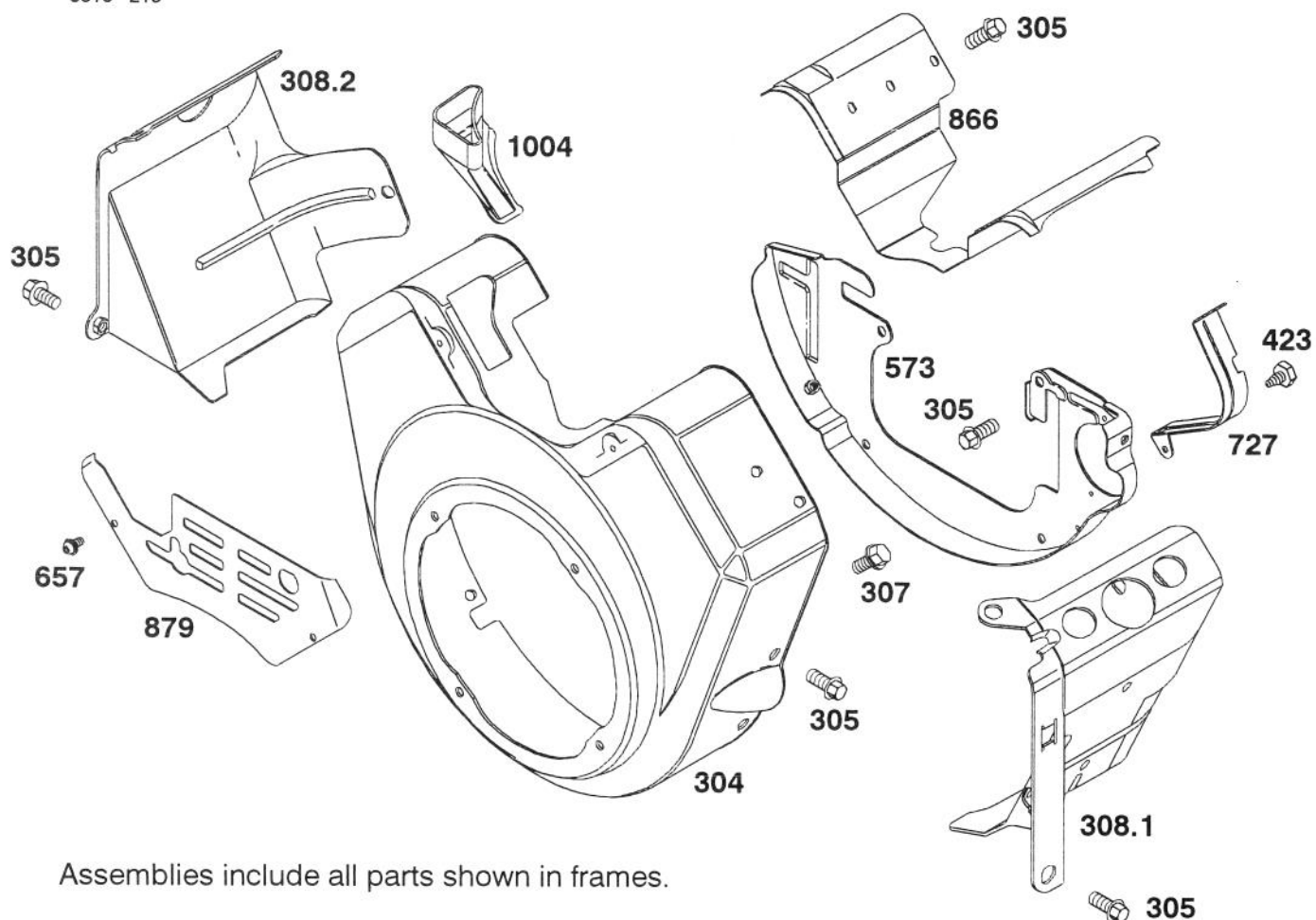


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
161	807857	Base Assy. - Air Cleaner	
305	805406	Screw	
445	394018	Cartridge - Air Cleaner	
467	491875	Knob - Air Cleaner	
535	271271	Element - Foam	
537	805655	Gasket - Air Cleaner	

Ref. No.	Part No.	Description	No. Used
642	807862	Cover Assy. - Air Cleaner	
643	805631	Plate - Air Cleaner	
819	805057	Screw	
862	807796	Bracket - Air Cleaner	
1014	807797	Carburetor Inlet Shield Assy.	

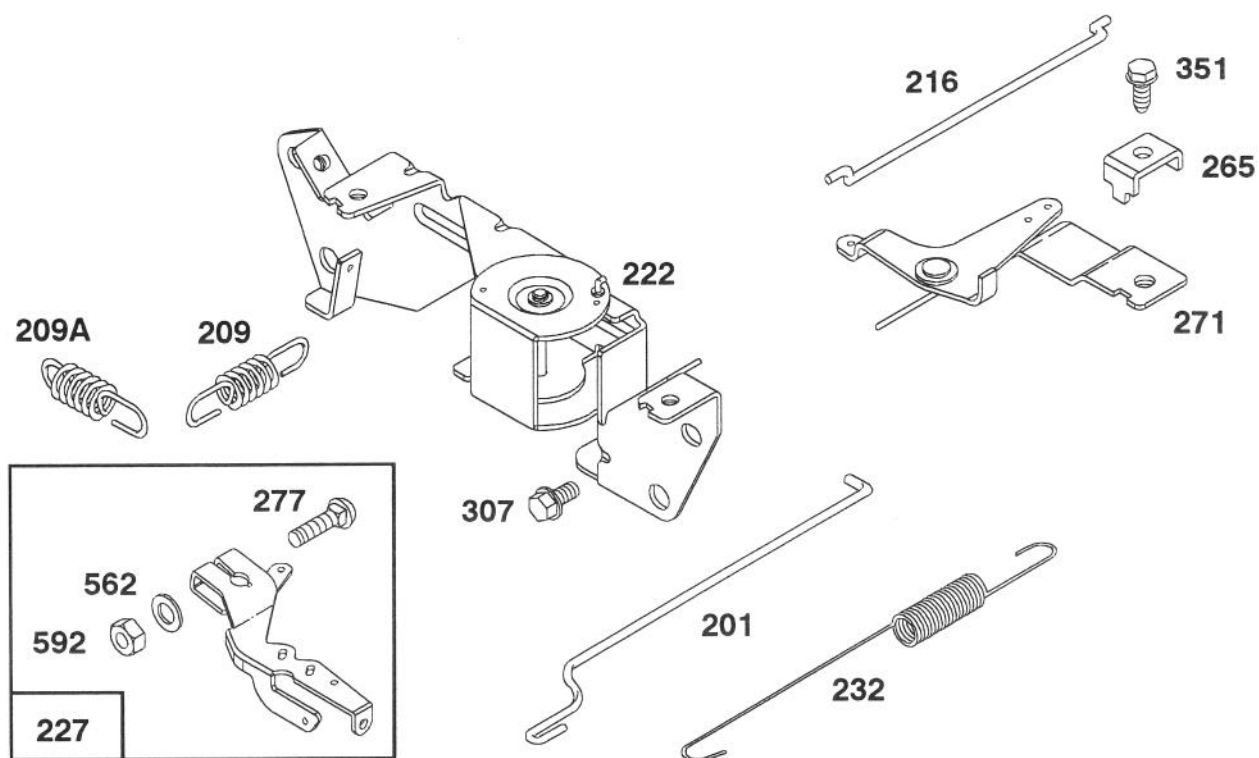


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
304	807898	Housing – Blower	
305	805406	Screw	
307	805025	Screw	
308.1	807656	Cover – Air Guide (Cyl. #1)	
308.2	807657	Cover – Air Guide (Cyl. #2)	
423	805260	Screw	

Ref. No.	Part No.	Description	No. Used
573	807663	Back Plate Assembly	
657	805009	Screw	
727	805505	Shield – Starter	
866	807660	Valley Cover – Air Guide	
879	805636	Cover – Carburetor	
1004	805632	Tube – Air Inlet	

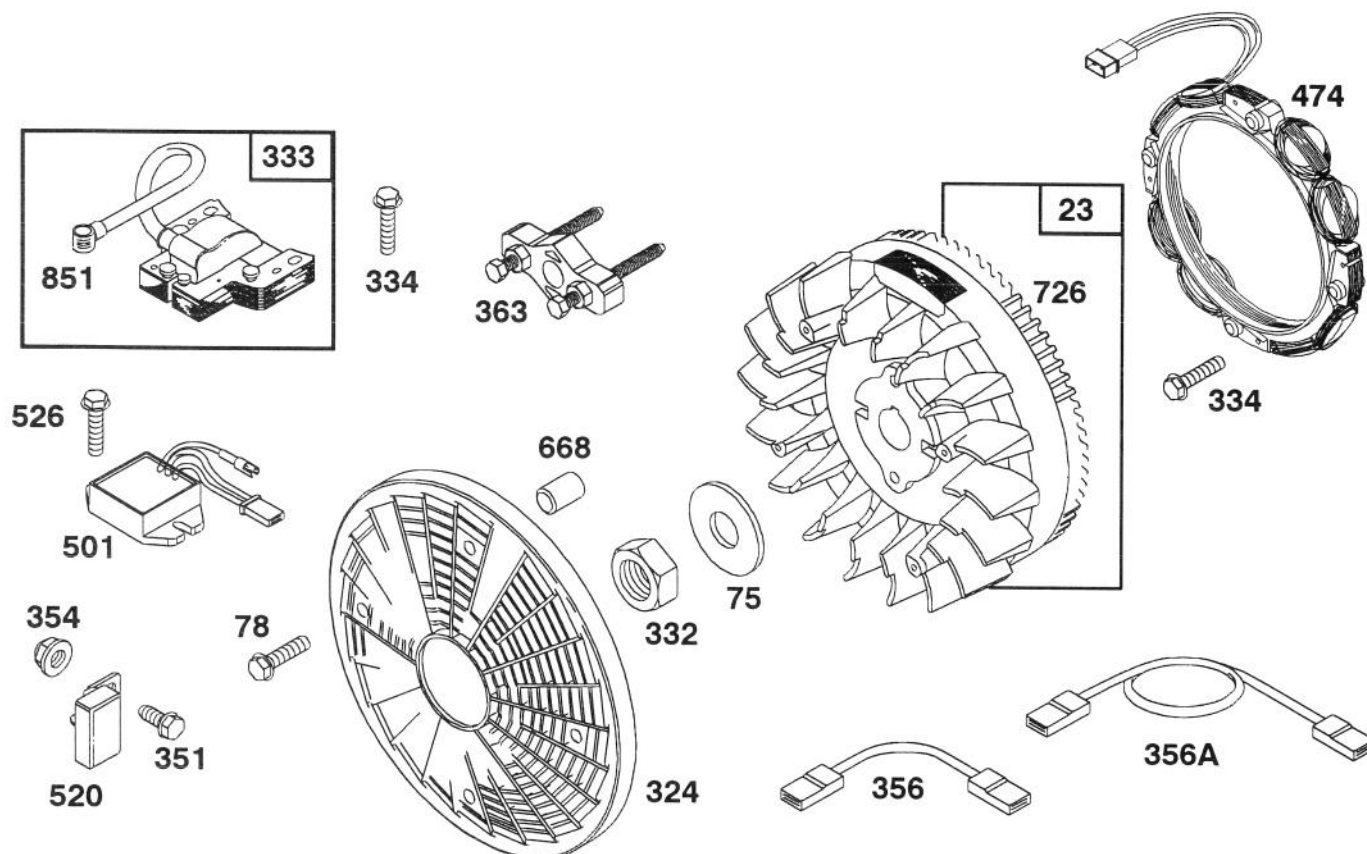


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
201	805480	Link - Governor	
209	805464	Spring - Governor	
209A	805453	Spring - Governed Idle	
216	805439	Link - Choke	
222	807610	Bracket - Governor Control	
227	807528	Lever Assembly - Governor	
232	805465	Spring - Governor Link	

Ref. No.	Part No.	Description	No. Used
265	221535	Clamp - Casing	
271	807609	Bracket - Choke Control	
277	805018	Washer	
307	805025	Screw	
351	805169	Screw - Hex. Head	
562	805381	Bolt	
592	805383	Nut - Hex.	

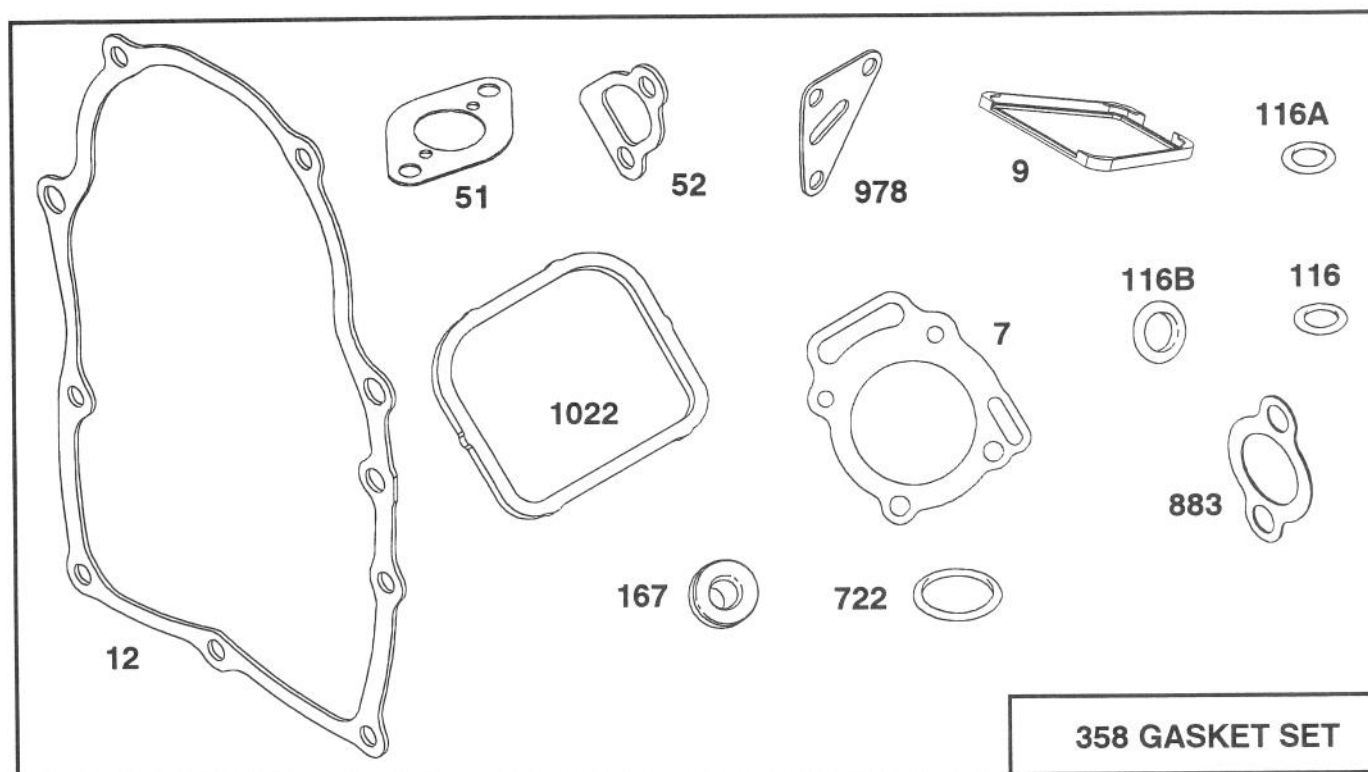


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
23	807531	Flywheel - Magneto	
75	805007	Washer - Spring	
78	805447	Screw	
324	280829	Screen - Rotating	
332	805021	Nut - Hex	
333	492341	Armature - Magneto	
334	805407	Screw - Mounting	
351	805169	Screw - Hex Head	
354	805496	Nut - Nylock	
356	807594	Wire - Ground (Cyl. #1)	

Ref. No.	Part No.	Description	No. Used
356A	807593	Wire - Ground (Cyl. #2)	
363	19203	Puller - Flywheel	
474	393295	Stator - Alternator	
501	394890	Regulator - Alternator	
520	807527	Terminal - Ground	
526	805448	Screw - Mtg.	
668	805402	Spacer	
726	807805	Gear - Flywheel Ring	
851	221798	Terminal - Ignition Cable	



Assemblies include all parts shown in frames.

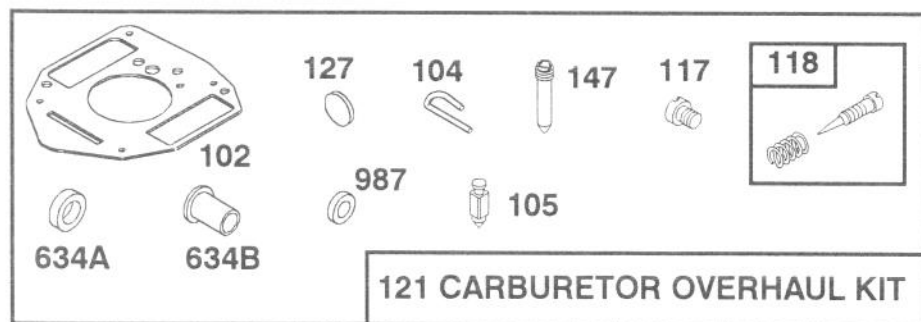
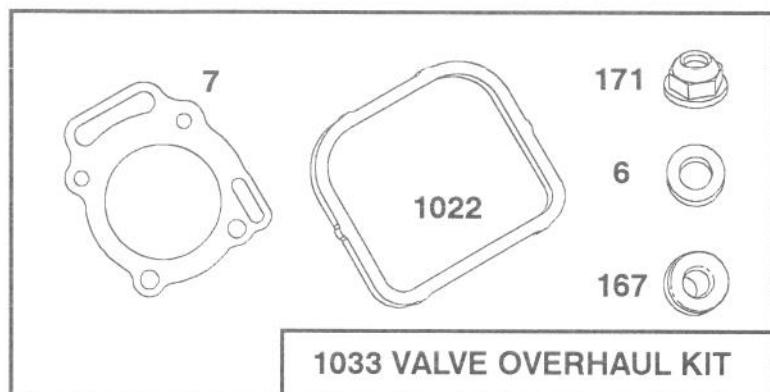
ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
†7	805111	Gasket - Cylinder Head	
*9	805379	Gasket - Breather	
*12	805112	Gasket - Crankcase Cover	
*51	805264	Gasket - Carburetor Mtg.	
*52	805023	Gasket - Intake Manifold	
*116	805058	O-Ring (Oil Pump)	
*116A	805198	O-Ring (Crankcase Cover)	

Ref. No.	Part No.	Description	No. Used
*116B	805316	O-Ring (Pick - Up Tube)	
*†167	805420	Washer - Valve Cover	
358	807640	Gasket Set	
*722	805483	Seal - Breather Screw	
*883	805024	Gasket - Exhaust Manifold	
*978	805250	Gasket - Oil Filter Adapter	
*†1022	805028	Gasket - Valve Cover	

*Included in Gasket Set - Part No. 807640.

†Included in Valve Overhaul Kit - Part No 807668.



Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

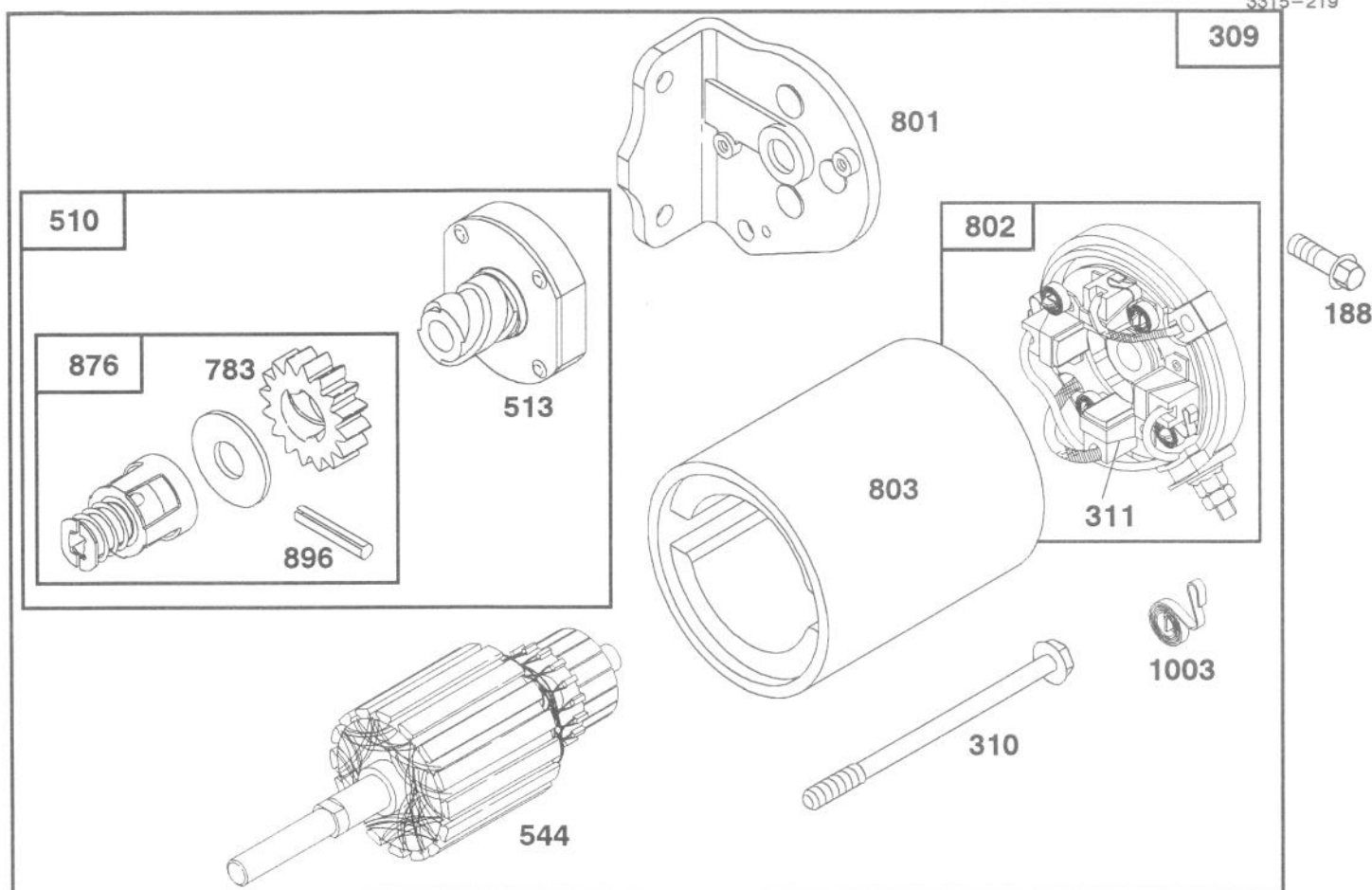
Ref. No.	Part No.	Description	No. Used
‡6	805193	Washer – Cylinder Head	
‡7	805111	Gasket – Cylinder Head	
*9	805379	Gasket – Breather	
†102	805541	Gasket – Intake Elbow	
†104	805545	Pin – Float Hinge	
†105	805547	Valve – Fuel Inlet	
†117	805548	Jet – Main	
†118	807719	Valve – Idle Adjusting	
121	807726	Carburetor Overhaul Kit	
†127	805559	Plug – Welch	

Ref. No.	Part No.	Description	No. Used
†147	805553	Jet – Slow Speed	
‡167	805420	Washer – Valve Cover	
‡171	805019	Nut – Nylock	
†634A	805557	Collar – Throttle	
†634B	805543	Collar – Choke	
722	805483	Seal – Breather Screw	
†987	805544	Seal – Shaft	
*†1022	805028	Gasket – Valve Cover	
1033	807668	Overhaul Kit – Valve	
1036	807688	Gasket Set – Breather	

*Included in Gasket Set – Part No. 807640.

†Included in Carburetor Overhaul Kit – Part No. 807726.

‡Included in Valve Overhaul Kit – Part No. 807668.



Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
188	805247	Screw - Hex. Head	
309	399169	Motor - Starting	
310	94169	Bolt	
311	490311	Brush Assembly	
510	490421	Drive Assembly	
513	398003	Clutch Assembly	
544	490309	Armature Assembly	

Ref. No.	Part No.	Description	No. Used
783	280104	Gear	
801	394856	Cap Assy. - Drive	
802	490310	Cap Assy. - Commutator	
803	398892	Housing Assembly	
876	490467	Gear Kit	
896	94288	Roll Pin	
1003	490316	Brush Spring Set	

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
04412	Full Roller Carton of 3	38 * 1	12-0460	Caplug	34 19 1
04414	Swaged Roller Carton of 3	38 * 1	12-0460	Caplug	36 21 1
04424	Wiehle Roller Carton of 3	38 * 1	12-2789	Reel - 11 Blade	57 21 1
3-0348	Bushing - Sleeve	3 11 6	12-2789	Reel - 11 Blade	36 28 1
3-0348	Bushing - Sleeve	4 14 6	12-3270	Screw - Hex. Washer Hd.	10 38 1
3-0348	Bushing - Sleeve	6 22 6	12-3270	Screw - Thread Forming	12 50 1
3-1506	Bushing - Flange	3 16 4	12-3599	Reel - 8 Blade	36 * 1
3-1506	Bushing - Flange	4 30 4	12-3599	Reel 8 Blade	57 * 1
3-1506	Bushing - Flange	6 38 4	12-3599	Reel Assy. 8 Blade (04408)	34 1 1
3-2652	Bolt	49 2 2	12-7009	Seal - Spool Set	14 * 1
3-4808	Nut - Wing	60 1 1	12-7009	Seal - Spool Set	16 * 1
3-6657	Clip - Skid	60 4 2	12-8779	Reel Assy. 5 Blade (04405)	34 * 1
3-6685	Spring - Compression	19 17 1	12-9140	Decal	60 1 1
3-7253	Bolt - Carriage	37 41 2	13-3659	Overhaul Kit	37 * 1
3-7253	Bolt - Carriage	34 42 2	13-3659	Overhaul Kit	58 * 1
5-0946	Key - Square	28 12 1	13-8199	Bar Adj. Gauge	35 * 1
5-0946	Key - Square	29 16 1	13-8199	Bar Adj. Gauge	36 * 1
5-1226	Washer - Shim	3 10 2	13-8199	Bar Adj. Gauge	57 * 1
5-1226	Washer - Shim	4 16 2	17-1450	Frame W.A.	48 6 1
5-1226	Washer - Shim	6 24 2	17-1510	Eye Bolt	48 14 2
5-3934	Bolt - Castor	30 20 1	17-1520	Counterweight	48 22 1
8-2520	Support - Comb	37 29 1	17-1530	Grass Shield	48 13 1
8-2520	Support Comb	35 49 1	17-1570	Shaft Hex	48 34 1
8-2530	Comb - Urethane	37 30 1	17-1580	Spacer	48 31 2
8-2530	Comb - Urethane	35 51 1	17-1590	Blade	48 32 37
8-7710	Ball Joint Receiver Assy.	4 4 2	17-1600	Spacer	48 33 72
8-7710	Ball Joint Receiver Assy.	6 4 2	17-1610	Housing - Bearing	48 3 1
8-7710	Ball Joint Receiver Assy.	3 25 2	17-1620	Bushing - Wheel	48 26 4
10-4850	Spring - Compression	43 10 6	17-1630	Wheel	48 25 4
10-4870	Bracket Height-of-Cut	43 3 6	17-1640	Scraper-Wheel L.H.	48 17 2
10-4880	Pin - Height-of-Cut	43 11 6	17-1650	Scraper - Wheel R.H.	48 1 2
10-4930	Bed Bar	34 3 1	17-1710	Washer	48 15 4
10-5010	Screw - Roller Adjustment	37 33 2	17-2290	Gauge .060	48 * 2
10-5010	Screw - Roller Adjustment	34 34 2	17-2300	Gauge .120	48 * 2
10-5060	Bracket - Height of Cut	37 25 2	17-2310	Gauge .250	48 * 2
10-5060	Bracket Height of Cut	34 33 2	18-2400	Hose - Rubber	51 8 2
10-5080	End Cap	34 21 1	18-6320	Washer - Steering	30 7 3
10-5100	Nut - Spline	48 2 1	19-9540	Spring - Torsion LH	47 6 1
10-5100	Nut - Spline	35 56 1	19-9540	Spring L.H.	46 6 1
10-5120	Housing - Bearing	57 3 2	19-9550	Spring - Torsion RH	47 * 1
10-5120	Housing - Bearing	36 4 2	19-9550	Spring R.H.	46 * 1
10-5120	Housing - Bearing	34 26 2	19-9560	Spacer - Spring	47 5 4
10-5140	Adj. Plate - Height-of-Cut	43 1 6	19-9560	Spacer - Spring	46 5 4
10-6060	Pin - Lift Cylinder	3 7 1	20-0080	Rod	60 7 1
10-6060	Pin - Pivot	4 19 1	20-0110	Bracket - Alignment	60 2 1
10-6090	Pin - Pivot	4 33 1	20-2210	Knob Assembly	51 11 2
10-6090	Pin - Pivot	3 37 1	20-4700	Pivot Pin	43 12 6
10-6090	Pin - Pivot	6 41 1	20-7330	Countershaft	50 9 1
10-6110	Pin - Hinge	3 3 1	20-7350	Stud	50 26 2
10-6110	Pin - Pivot	4 24 1	20-7360	Key	50 23 1
10-6821	Brake Drum Assembly	8 * 2	20-7370	Key - Square	49 3 1
10-6830	Stud - Drive	30 17 4	20-7380	Blade	49 7 10
10-6850	Drum - Brake	8 6 2	20-7390	Spacer	49 6 9
10-6870	Hub - Wheel	8 5 2	20-7400	Spacer	49 8 1
10-7070	Key - Square	28 20 1	20-7410	Gasket	50 17 1
10-7820	Pivot Hinge Assembly	3 12 1	20-7420	Frame	49 36 1
10-7820	Pivot Hinge Assembly	4 25 1	20-7510	Spacer	49 35 4
10-7820	Pivot Hinge Assembly	6 33 1	20-7520	Spring	49 34 1
10-7850	Latch - Parking Brake	1 23 1	20-7530	Spacer	49 21 1
10-7880	Hinge - Upper	1 8 1	20-7540	Spring Tube	49 23 1
10-7890	Hinge - Lower	1 22 1	20-7570	Roller Mounting Bracket	49 30 4
10-8100	Strap - Brake Shaft	1 31 2	20-7690	Gear 15T	50 8 1
10-8110	Washer - Thrust	3 9 6	20-7700	Cover Assembly	50 15 1
10-8110	Washer - Thrust	4 15 6	20-7720	Counter - Weight	49 14 1
10-8110	Washer - Thrust	6 23 6	20-7740	Bushing	50 16 1
10-8140	Spring - Torsion	1 7 1	20-7750	Gear 16T	50 24 1
10-8240	Pad - Lift	2 37 1	20-7790	Washer	49 9 1
10-8250	Pad - Mow	2 39 1	20-7820	Gear 45T	50 20 1
11-0070	Scraper Comb Assembly	37 31 1	20-7850	Gear 64T	50 4 1
11-0070	Scraper Comb Assembly	34 37 1	20-9990	Nut - Jam	30 5 1
11-0160	Roller Shaft Screw Assy.	3 14 2	21-6000	Spiker Depth Gauge	49 * 1
11-0160	Roller Shaft Screw Assy.	4 28 2	21-8430	Bearing - Rear Roller	36 19 2
11-0160	Roller Shaft Screw Assy.	6 36 2	21-8430	Bearing - Roller, Rear	57 16 2

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
21-8430	Rear Bearing	34 10 2	44-5560	Head - Oil Filter	20 27 1
21-8450	Rear Roller Assembly	34 9 1	46-8560	Screw - Self Taping	20 20 3
21-8470	Shaft - Roller	3 21 1	46-8560	Screw - Thread Forming	19 37 1
21-8470	Shaft - Roller	4 36 1	47-2890	Bushing - Sleeve	17 20 2
21-8470	Shaft - Roller	6 44 1	47-5320	Lever - Control	10 40 1
21-9110	Pin - Ball, Lock	49 4 1	47-6640	Valve Flow Control	21 * 1
22-6090	Washer - Thrust	59 4 1	47-6990	Nut - Steering Wheel	17 10 1
23-5150	Shaft Assembly	50 13 1	48-7610	Screw - Cap Hex. Hd.	25 9 1
23-8840	Puller - Bolt	59 3 1	49-0170	Seal Kit	18 * 1
23-8850	Tube - Support	59 5 1	49-0300	Plug Pipe	21 10 2
23-8860	Pin - Bearing Rplcmnt.	59 6 1	49-0320	Plate - Dial	21 20 1
23-8880	Driver - Bearing	59 1 2	49-0340	Spring - Metering	21 12 1
24-9200	Spacer - Mounting	45 3 2	49-0350	Handle	21 18 1
24-9220	Pivot Plate	45 8 2	49-0360	Screw - Thumb	21 2 1
24-9240	Washer	45 19 2	49-0370	Spool - Metering	21 11 1
24-9260	Rod - Adjustment	45 4 2	49-5430	Rod - Control	10 1 1
24-9310	Base Plate R.H.	45 * 1	49-5430	Rod - Control	1 4 1
24-9320	Base Plate L.H.	45 18 1	49-5880	Shaft - Seat Suport	19 27 1
24-9330	Pivot Arm L.H.	45 12 1	49-6070	Lift Pivot Bracket Assy. R.H.	2 40 1
24-9340	Pivot Arm R.H.	45 * 1	49-6090	Lift Pivot Bracket Assy. L.H.	1 28 1
24-9370	Spring - Compression	45 7 2	49-6110	Guard - Transfer Rod	1 6 1
26-0930	Support - Lift	52 1 3	49-6120	Pad - Footrest	1 13 1
26-0940	Plate - Wear	52 4 6	49-6170	Pad - Brake	2 49 1
26-0950	Plate Dishd	52 5 6	49-6200	Lever - Cutting Control	2 42 1
26-3790	Nut - Lock	8 4 2	49-6220	Bracket - Control Arm	10 9 1
27-1960	Hub - Engine	28 21 1	49-6250	Bracket - Traction Pivot	10 35 1
27-1970	Hub - Pump	28 22 1	49-6260	Pivot - Traction	10 21 1
27-2270	Rod - Brake Adjusting	1 29 2	49-6290	Shaft - Traction Pivot	10 37 1
27-2320	Bearing - Flange	10 7 2	49-6440	Pedal - Forward	10 42 1
27-2380	Spacer	20 32 2	51-0350	Pin - Seat Spring	19 16 1
27-2540	Spacer - Hub	6 31 1	51-0780	Slider - Seat	19 31 1
27-2550	Pin - Pivot	6 27 1	51-0790	Adjuster - Seat	19 6 1
27-2650	Height-of-Cut Adjustment	34 14 2	52-1990	Piston	5 3 1
27-6600	Spacer - Coupling	28 15 4	52-2720	Roller Assembly	3 20 1
28-1400	Battery	20 11 1	52-2720	Roller Assembly	4 35 1
28-2070	Front Bracket	51 10 1	52-2720	Roller Assembly	6 43 1
28-3680	Tire	8 2 2	52-2740	Pull Arm Assembly L.H.	3 17 1
28-3680	Tire	30 9 1	52-2740	Pull Arm Assembly L.H.	4 31 1
28-4210	Solenoid - Starter	20 5 1	52-2740	Pull Arm Assembly L.H.	6 39 1
28-7890	Module - Interlock	22 26 1	52-2750	Pull Arm Assembly R.H.	3 19 1
28-8080	Boot Terminal	20 13 1	52-2750	Pull Arm Assembly R.H.	4 34 1
29-9080	Handle	60 3 1	52-2750	Pull Arm Assembly R.H.	6 42 1
29-9090	Hose - Handle	60 4 1	52-2860	Washer	37 3 1
33-0630	Brush	34 41 1	52-2860	Washer	58 3 1
33-1000	Scraper Brush Assembly	34 40 1	52-2890	Bushing - Flanged	37 18 4
36-4310	Brush	60 5 1	52-2890	Bushing - Flanged	58 18 4
36-4780	Washer	44 14 6	52-2900	Washer - Poly	37 4 2
36-7190	Grass Shield	34 2 1	52-2900	Washer - Poly	58 4 2
36-7260	Cut-Off Bar	34 4 1	52-2910	Bolt - Eccentric Shoulder	37 24 1
36-7260	Cut-Off Bar	57 27 1	52-2910	Bolt - Eccentric, LH	58 24 1
36-7260	Cut-Off Bar	36 38 1	52-2930	Bolt - Adjustment Shoulder	37 1 1
37-8130	Grass Basket Assembly	37 * 2	52-2930	Bolt - Shoulder, RH	58 1 1
37-8130	Grasss Basket Assy.	35 * 3	52-3100	Bolt - Eccentric	36 12 1
38-0410	Nut - Hex.	14 53 1	52-3100	Bolt - Eccentric, HOC - LH	57 10 1
38-0410	Nut - Hex.	16 59 1	52-3100	Bolt - H.O.C.	44 2 3
39-9600	Clamp - Mounting	22 9 1	52-3110	Bolt - H.O.C.	44 * 3
42-2680	Race R. Detent	13 46 1	52-3110	Bolt - Shoulder	36 39 1
42-4780	Scraper Mount L.H.	46 7 1	52-3110	Bolt - Shoulder, HOC - RH	57 28 1
42-4790	Scraper Mount R.H.	46 * 1	52-3120	Rear Roller Adjustment	57 14 1
42-4800	Bar - Scraper	47 1 1	52-3120	Rear Roller Assembly	36 17 1
42-4800	Scraper Bar	46 1 1	52-3170	Full Front Roller Assembly	38 3 1
43-2830	Nut - Hex	27 33 1	52-3170	Roller Assembly	49 16 2
43-5220	Ring - Retaining	7 10 1	52-3180	Bearing - Front Roller	38 1 2
43-5230	Shaft & Clevis	7 11 1	52-3180	Front Roller Bearing	49 17 4
43-5930	Washer - Lock	27 25 1	52-3210	Bearing - Wiehle Roller	38 6 2
43-8600	Spring - Compression	19 21 1	52-3590	Swaged Roller Assembly	38 4 1
43-8610	Seat - Ball	19 20 1	52-5860	Collar - Spool	16 51 1
43-8620	Guide - Switch	19 23 1	52-5880	Ball - Steel	13 47 12
43-8860	Plunger - Switch	19 22 1	52-5900	Screw - Fillister Hd.	15 37 4
43-8870	Boot - Switch	19 26 1	52-9230	Ring - Retaining	18 2 1
43-9071	Seat Switch Assembly	19 * 1	52-9240	Bushing - Seal, Gland	18 3 1
44-0870	Shaft - Cam	10 5 1	52-9250	Needle Bearing Kit	18 * 1
44-2230	Coupling - Rubber	28 16 1	52-9260	Screw - Set	18 26 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
52-9270	Seat - Ball, Check	18 24 1	63-4020	Tube - Hydraulic	32 17 1
52-9280	Ball - Check	18 22 1	63-4020	Tube - Hydraulic	11 40 1
52-9290	Retainer - Ball, Check	18 21 1	63-4030	Tube - Hydraulic	32 18 1
52-9350	Screw - Cap	18 19 7	63-4030	Tube - Hydraulic	11 41 1
53-4860	Decal - Safety	30 35 1	63-4040	Hydraulic Tube Assembly	32 4 1
53-9250	Bracket - Mount., Scraper	47 7 2	63-4040	Tube - Hydraulic	11 35 1
53-9960	Housing Assembly	50 2 1	63-4050	Fitting - Tee	11 42 2
54-7120	Bracket - Quick H.O.C.	44 * 3	63-8360	Key - Ignition	22 17 1
54-7140	Pull Arm Assembly	44 15 6	63-8410	Washer - Flat	25 4 4
54-7170	Spring - Extension	44 17 6	63-8410	Washer - Flat	24 36 3
54-7180	Shaft-Cam	44 8 3	63-8470	Bed Knife - 1/8	58 * 1
54-7190	Cam - Quick H.O.C.	44 1 3	63-8470	Bed Knife 1/8	37 22 1
54-7200	Cam - Quick H.O.C.	44 * 1	63-8500	Bed Knife 1/8	34 7 1
54-7240	Cam - Quick H.O.C.	44 9 2	63-8550	Bed Knife - Tournament	34 * 1
54-7250	Bracket - Quick H.O.C.	44 4 3	63-8560	Bed Knife - Tournament	37 * 1
54-7300	Bolt - Bedbar	44 16 3	63-8560	Bed Knife - Tournament	58 23 1
54-7310	Bolt - Bedbar	44 * 3	63-8600	Bed Knife - Fairway	58 * 1
54-9510	Motor & By-Pass Assy.	42 * 3	63-8600	Bedknife - Fairway	37 * 1
54-9520	Valve - By-Pass	42 4 1	63-8610	Bed Knife - Fairway	34 * 1
54-9530	Fitting - 45° Swivel Elbow	39 6 1	63-8750	Pin - Pivot	6 9 1
54-9530	Fitting - 45° Swivel Elbow	40 7 2	63-8750	Pin - Pivot	4 10 1
54-9540	Fitting - 90° Adjustable El.	39 8 1	63-8750	Pin - Pivot	3 33 1
54-9620	Coupling - Quick Disconn.	41 8 2	63-9510	Bushing Assy. - Rubber	58 21 1
54-9620	Coupling - Quick Disconn.	39 9 2	63-9510	Rubber Bushing Assembly	37 46 2
54-9620	Coupling - Quick Disconn.	40 10 2	65-4860	Head	5 9 1
56-2230	Hose - Fuel	25 17 1	65-6390	Washer - Thrust	17 13 1
56-7720	Bolt - Battery	20 17 2	65-8600	Cap-End	36 23 1
56-7970	Clamp Half - Tube	2 45 2	65-8600	Knob - Height Adjustment	53 4 2
57-3210	Screw - Mach. Special	34 45 4	65-8600	Knob - Height Adjustment	34 12 2
57-3210	Screw - Machine, Special	36 29 4	65-8600	Knob - Height Adjustment	37 23 2
57-4910	Screw - Special	34 8 7	65-9220	Housing - Bearing	54 18 1
57-4910	Screw - Special	37 21 13	65-9230	Plate - Side	54 4 1
57-4910	Screw - Special	58 22 13	65-9270	Housing - Drive, Belt	55 41 1
57-4940	Bedbar	37 20 1	65-9290	Pulley - Driven	55 36 1
57-4940	Bedbar	58 20 1	65-9300	Spacer	54 17 1
57-5200	Grass Shield Assembly	57 9 1	65-9300	Spacer - Pulley, Driven	55 44 1
57-5200	Grass Shield Assembly	36 10 1	65-9310	Block - Idler	55 39 1
57-5210	Flap - Shield	57 26 1	65-9320	Idler - Pulley	55 33 1
57-5210	Flap - Shield	36 37 1	65-9330	Spacer	55 20 1
57-5260	Pivot - Bedbar	37 17 1	65-9340	Screw - Shoulder	55 32 1
57-5260	Pivot - Bedbar	58 17 1	65-9350	Adapter	54 3 1
57-6140	Clamp Half - Tube	8 20 2	65-9350	Adapter	55 24 1
57-6220	Link	10 17 5	65-9460	Roller Extension W.A. - RH	53 * 1
57-7650	Spring - Torsion	4 11 1	65-9490	Bracket - HOC	53 5 2
57-7650	Spring - Torsion	6 18 1	65-9500	Screw - Roller Adjustment	53 10 2
57-7650	Spring - Torsion	3 32 1	65-9530	Roller Extension W.A. - LH	53 13 1
57-9910	Screw - Pivot	36 15 2	65-9550	Cap	55 10 2
58-3953	Steering - Valve Assembly	17 24 1	65-9560	Adj. Knob Assembly	55 7 2
58-6520	Decal - Grease	30 36 2	65-9580	Spring	55 6 2
59-6730	Race - Bearing	18 8 2	65-9610	Adapter	56 3 1
59-6740	Bearing - Needle, Thrust	18 9 1	65-9630	Pulley - Driver	56 7 1
59-6830	Centering Pin Kit	18 20 1	65-9640	Disc - Release, Clutch	56 10 1
59-6890	Cap - End	18 18 1	65-9650	Screw - Special	56 11 1
62-2390	Bar - Lift L.H.	3 30 1	65-9660	Pin - Clutch	56 5 1
62-2420	Bar - Lift	6 8 1	65-9670	Driver	55 5 2
62-2420	Bar - Lift	4 9 1	65-9670	Spring - Compression	56 6 1
62-2440	Lift Arm Assembly	4 8 1	65-9680	Knob - Clutch	56 14 1
62-2460	Lift Arm Assembly L.H.	3 29 1	65-9700	Belt	55 35 1
62-2500	Bed Knife - 3/16	58 * 1	65-9710	Cover - Belt	55 30 1
62-2500	Bed Knife 3/16	37 * 1	65-9810	Spring	55 15 2
62-2510	Bed Knife 3/16	34 * 1	65-9820	Spacer	54 13 2
62-5510	Bushing Assy. - Rubber	58 19 2	65-9820	Spacer	55 19 2
62-5510	Rubber Bushing Assembly	37 19 2	65-9830	Ramp	55 11 2
63-3810	Hose - Hydraulic	32 1 1	65-9850	Washer (RH Side)	55 * 1
63-3820	Hose - Hydraulic	32 2 1	65-9860	Bearing	54 5 1
63-3830	Hose - Hydraulic	32 13 1	65-9860	Bearing	55 18 1
63-3840	Hose - Hydraulic	32 5 1	65-9890	Bolt - Carriage	55 31 1
63-3840	Hose - Hydraulic	11 36 1	65-9900	Seal - Felt	56 2 1
63-3850	Hose - Hydraulic	11 31 1	65-9930	Cap	55 2 1
63-3850	Hose - Hydraulic	3 39 1	65-9940	Spring	55 1 1
63-3870	Hose - Hydraulic	32 16 1	65-9950	Plate - Caution	55 14 1
63-3880	Hose - Hydraulic	11 29 1	65-9960	Screw - Pivot	54 7 2
63-3880	Hose - Hydraulic	4 40 1	65-9970	Stud	54 2 2

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65-9980	Spacer - Pulley, Idler	55 34 1	75-9990	Motor - Hydraulic	8 22 2
66-1660	Spool - Lever Side	21 13 1	76-0800	Seal Kit	9 * 1
66-2950	Gauge - Hourmeter	22 5 1	76-0810	Housing Assembly	9 * 1
66-7220	Arm - Spring	37 11 1	76-0840	Manifold	9 22 1
66-7220	Arm - Spring	58 11 1	76-0850	Bearing - Thrust	9 12 1
66-7230	Spring - Compression	58 25 1	76-0860	Shaft - Coupling	9 11 1
66-7230	Spring - Compression	37 45 1	76-0870	Plate - Wear	9 18 1
66-7240	Screw - Pivot SPA	37 5 2	76-0880	Commutator Assembly	9 * 1
66-7240	Screw - Pivot, SPA	58 5 2	76-0940	End Cover Assembly	9 24 1
67-1300	Decal - TORO	20 39 1	76-0960	Link - Drive	9 13 7
68-4940	Hydraulic Pump Assembly	28 9 1	76-0970	Rotor Set	9 * 1
68-5100	Rod - Seat Prop	19 10 1	76-1010	Screw - Cap Hex. Hd.	9 14 1
68-5130	Steering Wheel Assembly	17 11 1	76-1850	Clevis	5 13 1
68-5140	Cap - Steering Wheel	17 9 1	76-1860	Shaft	5 6 1
68-5260	Fitting - Manifold Tee	11 37 1	76-2810	Valve - Needle	12 54 1
68-5310	Clip - Seat Rod	19 12 1	77-0300	Handle Assembly	37 12 1
68-5380	Lift Arm Assembly	6 21 1	77-0300	Handle Assembly	58 12 1
68-5560	Pin - Cylinder Pivot	6 26 1	77-0330	Pivot - Single Point Adj.	58 7 1
68-5790	Hose - Hydraulic	21 9 2	77-0330	Pivot - Single Point Adjust.	37 7 1
68-5790	Hose - Hydraulic	12 57 2	77-0340	Nut - Spline	36 1 1
68-5820	Hose - Hydraulic	11 6 1	77-0350	Retainer - Bearing	37 8 2
68-5820	Hose - Hydraulic	28 8 1	77-0350	Washer - Thrust, Nylon	58 8 2
68-5880	Hose - Hydraulic	20 30 1	77-0480	Screw - Traction Stop	10 34 1
68-6150	Breather	24 21 1	77-0490	Decal - Bolt, Eccentric	58 26 1
69-9760	Plate - Cover	2 50 1	77-0490	Decal - Bolt, Eccentric	37 47 1
70-1100	Frame - Reel	35 55 1	77-0560	Nut - Splined	54 6 1
70-1170	Blade (41 Blade Reel)	54 10 41	77-1060	Bracket - Height of Cut	36 7 1
70-1200	Frame - Reel	57 7 1	77-1060	HOC Adjustment - RH	57 6 1
70-1200	Frame - Reel	36 8 1	77-1080	Bracket - Height of Cut	36 16 1
70-1350	Spacer (41 Blade Reel)	54 9 84	77-1080	HOC Adjustment - LH	57 13 1
70-2770	Head	7 8 1	80-9330	Audio Alarm Assembly	22 25 1
70-2780	Piston	7 4 1	83-0010	Engine Assembly	27 15 1
70-7130	Tube Assy.	11 3 1	83-0020	Ignition Switch Assembly	22 14 1
70-7150	Hose - Hydraulic	12 48 1	83-0030	Control - Throttle	22 12 1
70-7470	Block - Mounting (Modified)	55 12 2	83-0040	Control - Choke	22 13 1
70-8130	Barrel	7 1 1	83-0060	Lift - Pivot	1 26 1
70-8250	Drive	18 16 1	83-0080	Spring - Torsion	1 25 1
70-8610	Hose - Hydraulic	12 51 1	83-0090	Frame - Pull L.H.	3 24 1
70-8631	Cap - Fuel	25 1 1	83-0140	Pedal - Mow	2 38 1
70-8640	Cap - Hydraulic Reservoir	24 8 1	83-0160	Shaft - Brake	2 48 1
70-9800	Reel Motor Assembly	32 8 3	83-0180	Shaft - Cutting Control	2 36 1
70-9840	Shoe - Brake	8 8 4	83-0190	Cover - R.H.	8 18 1
70-9850	Clip - Retaining	8 23 2	83-0200	Cover - L.H.	1 17 1
70-9860	Cam - Brake	8 27 2	83-0210	Frame - Pull R.H.	4 1 1
70-9870	Plate - Backing	8 10 2	83-0210	Frame - Pull Rear	6 1 1
70-9880	Spring - Return	8 7 4	83-0220	Frame Assembly	20 18 1
70-9940	Hose Assembly - Pressure	40 3 1	83-0540	Pedal - Traction	10 24 1
70-9940	Hose Assembly - Pressure	41 3 1	83-0580	Rod - Traction Control	10 32 1
70-9950	Hose Assembly - Return	40 2 1	83-0590	Traction Handle Assembly	10 12 1
70-9950	Hose Assembly - Return	41 2 1	83-0630	Arm - Traction Pivot	10 29 1
70-9950	Hose Assembly - Return	39 10 1	83-0640	Plate - Footrest	1 12 1
70-9960	Hose Assembly - Pressure	39 1 1	83-0700	Handle - Lockup	17 18 1
71-0990	Orifice	11 43 1	83-0730	Spacer - Lockup	17 15 1
71-1500	Brake Assembly	8 * 2	83-0740	Disc - Friction	17 14 2
71-1510	Arm - Brake	8 24 2	83-0750	Screw - Cap Hex. Hd. L.H.	17 6 1
71-1550	Wihle Roller Assembly	38 5 1	83-0760	Plate - Lockup	17 16 1
72-3850	Seal - Filter	20 28 1	83-0780	Support - Steering Valve	17 4 1
72-4320	Switch - Ball	19 18 1	83-0810	Cover - Steering Valve	17 25 1
72-4380	Seal Kit	33 * 1	83-0820	Gauge - Ammeter	22 4 1
72-4390	Repair Kit	33 * 1	83-0830	Panel - Control Upper	20 33 1
72-4790	Hold-Down - Battery	20 16 1	83-0840	Fender - L.H.	20 19 1
74-0720	Tube - Manual	19 3 1	83-0860	Reservoir - Hydraulic	24 5 1
74-3570	Filter - Hydraulic Oil	20 29 1	83-0870	Fitting - Hydraulic Straight	24 32 3
74-3730	Spacer - Hub	30 11 2	83-0910	Hose - Hydraulic	24 30 2
74-3830	Hose - Hydraulic	32 12 1	83-0910	Hose - Pump	28 11 2
74-3830	Hose - Hydraulic	11 28 1	83-0920	Tank - Fuel	25 2 1
74-9100	Pad - Forward Pedal	10 25 1	83-0930	Fork - Castor	30 19 1
74-9110	Pad - Reverse Pedal	10 23 1	83-1030	Mount - Engine	27 4 3
75-0540	Tether - Cap	24 9 1	83-1040	Washer - Mount	27 2 3
75-9190	Seat Assembly	19 5 1	83-1050	Spacer - Mount	27 3 2
75-9440	Hub - Wheel	30 15 1	83-1060	Adapter - Pump	27 10 1
75-9540	Screw - Set, Soc. Hd.	56 1 1	83-1080	Pipe - Exhaust	27 7 1
75-9980	Shaft	54 11 1	83-1100	Harness - Wire (Main)	23 1 1

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83-1110	Harness - Wire (Engine)	23 2 1	83-2490	Decal - Service	19 34 1
83-1140	Wire - Solenoid-Battery	23 4 1	83-2500	Decal - Traction Control	21 3 1
83-1150	Wire - Engine Ground	23 5 1	83-2510	Decal - Steering Arm	17 32 1
83-1160	Wire - Solenoid-Starter	23 3 1	83-2520	Decal - Warning	17 5 1
83-1170	Hose - Hydraulic	11 22 1	83-2530	Decal - Mow/Lift	1 14 1
83-1170	Hose - Hydraulic	28 28 1	83-2540	Decal - Traction	20 38 1
83-1190	Hose - Hydraulic	28 1 1	83-2550	Decal - Engine RPM	27 13 1
83-1190	Hose - Hydraulic	11 10 2	83-2560	Decal - Warning Hot	27 34 1
83-1200	Tube Assy.	11 5 1	83-2570	Plate - Control Panel	22 2 1
83-1210	Hose - Hydraulic	4 39 1	83-2580	Cylinder - Lift	3 6 1
83-1220	Plate - Clamp	8 21 1	83-2580	Hydraulic Cylinder Assy.	4 22 1
83-1230	Muffler	27 19 1	83-2590	Bolt - Shoulder	2 47 1
83-1240	Decal - Greensmaster 3100	2 46 1	83-3880	Hose - Hydraulic	11 18 1
83-1320	Filter - Fuel	25 13 1	83-7230	Hydraulic Cylinder Assembly	6 10 1
83-1390	Fitting - Fuel Shut-Off	25 15 1	84-2000	Bracket - Brake	8 12 2
83-1400	Shield - Muffler	27 16 1	84-2202	Control Valve Assembly	16 * 1
83-1420	Column - Steering	17 23 1	84-2202	Control Valve Assembly	11 16 1
83-1430	Hose - Hydraulic	20 23 1	84-3180	Decal - Hydraulic Oil	19 33 1
83-1430	Hose - Hydraulic	24 34 1	84-6560	Decal - Danger	4 3 1
83-1450	Sensor - Oil Level	24 3 1	84-6560	Decal - Danger	6 3 1
83-1460	Solenoid Valve Assembly	24 28 1	84-6560	Decal - Danger	3 13 1
83-1470	Washer - Neoprene	24 18 4	84-7880	Fitting - Crows Foot	11 17 1
83-1510	Plug - Filler Cap	24 7 1	84-8260	Hose - Hydraulic	6 15 1
83-1520	Screen - Filler	24 6 1	84-8260	Hose - Hydraulic	11 20 1
83-1530	Bracket - Alarm	22 23 1	84-8700	Pivot - Seat	19 36 1
83-1550	Spacer - Tank (Short)	24 17 2	84-8730	Hose - Hydraulic	28 7 1
83-1560	Spacer - Tank (Long)	24 23 2	84-8730	Hose - Hydraulic	17 26 3
83-1630	Bracket - Muffler Support	27 24 1	84-8730	Hose - Hydraulic	30 28 1
83-1640	Rod End Assembly	30 6 1	84-8730	Hose - Hydraulic	12 45 1
83-1660	Switch Assembly	22 6 1	84-8740	Hose - Hydraulic	17 27 1
83-1670	Fitting - Special	11 27 1	84-8740	Hose - Hydraulic	30 30 1
83-1680	Hose - Hydraulic	6 13 1	84-8760	Arm - Steering	17 3 1
83-1680	Hose - Hydraulic	11 30 1	84-8770	Seat Support Assembly	19 7 1
83-1690	Hose - Hydraulic	11 21 1	84-8800	Bracket	19 35 1
83-1690	Hose - Hydraulic	3 40 1	85-6540	Stud - Drive	8 28 8
83-1700	Bushing - Flange	8 33 2	85-8120	Plate - Engine Mount	27 28 1
83-1700	Bushing - Flange	17 35 1	86-5360	Repair Kit	7 * 1
83-1830	Cover - R.H.	20 2 1	86-5390	Seal Kit	5 * 1
83-1860	Centering Spring Kit	18 12 1	217-60	Rim	8 3 2
83-1870	Gerotor	18 17 1	217-60	Rim	30 10 1
83-1880	Control Parts Assembly	18 * 1	217-74	Wheel Bolt	34 28 2
83-1890	Switch - Ball	14 54 1	218-461	Nut - Hex.	22 16 1
83-1890	Switch - Ball	16 60 1	218-461	Nut - Hex.	19 25 2
83-1900	Plate - Spacer	18 15 1	218-594	Fuse - 20 Amp	22 7 1
83-1940	Guard - Pump	28 30 1	2112-11	Clamp - Muffler	27 14 1
83-2030	Plate - Filler	22 3 1	232-24	Stem - Valve	8 1 2
83-2040	Hose - Fuel	25 14 1	232-24	Valve Stem w/Cap	30 18 1
83-2041	Hose - Fuel	25 11 1	233-28	Knob	43 8 6
83-2070	Hose - Valve	24 14 1	233-48	Knob	10 11 1
83-2080	Hose - Valve-Tank	24 29 1	233-48	Knob	17 17 1
83-2090	Hose - Overflow	24 15 1	237-7	Seal - O-Ring	19 24 1
83-2100	Tank - Auxiliary Hydraulic	24 26 1	237-21	O-Ring	45 10 2
83-2200	Nut - Special	25 8 1	237-21	Seal - O-Ring	28 6 1
83-2220	Deflector - Exhaust	27 20 1	237-21	Seal - O-Ring	11 19 9
83-2230	Screw - Cap Hex. Hd.	27 22 4	237-21	Seal - O-Ring	17 29 4
83-2250	Gauge - Sight	24 25 1	237-21	Seal - O-Ring	30 31 2
83-2270	Hose - Hydraulic	21 15 1	237-22	O-Ring	41 9 1
83-2270	Hose - Hydraulic	28 33 1	237-22	O-Ring	50 10 1
83-2280	Timer - Delay	22 27 1	237-22	O-Ring	40 11 1
83-2310	Shield	27 35 1	237-22	Seal - O-Ring	28 2 3
83-2330	Hydraulic Cylinder Assy.	30 33 1	237-22	Seal - O-Ring	11 11 6
83-2340	Cap - Threaded	31 2 2	237-22	Seal - O-Ring	32 11 5
83-2350	Cap - Head, Thread	31 5 2	237-30	Seal - O-Ring	32 3 5
83-2360	Assembly - Rod	31 9 1	237-30	Seal - O-Ring	11 7 4
83-2370	Assembly - Barrel	31 12 1	237-30	Seal - O-Ring	21 8 3
83-2380	Kit - Seal Repair	31 * 1	237-30	Seal - O-Ring	19 19 1
83-2390	Pad - Tank	24 2 1	237-30	Seal - O-Ring	28 27 1
83-2400	Spacer - Tank	24 1 2	237-35	Seal - O-Ring	6 11 2
83-2450	Hose - Hydraulic	11 1 1	237-42	O-Ring	40 1 6
83-2450	Hose - Hydraulic (Top)	8 34 1	237-42	O-Ring	41 1 6
83-2460	Hose - Hydraulic	11 4 1	237-42	O-Ring	39 2 6
83-2460	Hose - Hydraulic (Bottom)	8 * 1	237-42	Seal - O-Ring	28 4 4

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237-42	Seal - O-Ring	32 9 3	253-61	Seal	34 22 1
237-42	Seal - O-Ring	11 15 6	253-61	Seal	36 24 1
237-42	Seal - O-Ring	17 31 4	253-96	Oil Seal	34 43 2
237-54	O-Ring	15 3 6	253-96	Seal	57 19 2
237-54	O-Ring	13 6 8	253-96	Seal	36 26 2
237-54	O-Ring	51 6 2	253-111	Seal - Shaft	30 12 2
237-54	Seal - O-Ring	21 14 2	253-130	Seal	50 14 1
237-58	Seal - O-Ring	11 34 1	253-131	Seal	50 1 1
237-65	Seal - O-Ring	11 2 6	254-61	Cup - Bearing	30 3 2
237-65	Seal - O-Ring	8 15 2	254-70	Cone - Bearing	30 4 2
237-78	Seal - O-Ring	6 14 2	254-72	Cup - Bearing	34 25 2
237-78	Seal - O-Ring	30 32 2	254-72	Cup - Bearing	36 3 2
237-78	Seal - O-Ring	3 38 2	254-72	Cup - Bearing	57 2 2
237-78	Seal - O-Ring	4 38 2	254-78	Cone - Bearing	30 13 2
237-79	Seal - O-Ring	32 7 3	254-79	Cup - Bearing	30 14 2
237-79	Seal - O-Ring	11 9 5	254-94	Cone - Bearing	57 1 2
237-79	Seal - O-Ring	24 11 5	254-94	Cone - Bearing	36 2 2
237-80	Seal - O-Ring	24 4 1	254-94	Cone - Bearing	34 24 2
237-80	Seal - O-Ring	21 6 3	256-2	Bushing - Sleeve	10 20 2
237-80	Seal - O-Ring	8 13 2	256-27	Bushing	50 18 1
237-80	Seal - O-Ring	28 25 1	256-32	Bushing - Sleeve	2 33 2
237-80	Seal - O-Ring	11 32 3	256-115	Washer - Thrust	50 3 2
237-81	Seal - O-Ring	11 38 1	256-116	Bushing	45 17 4
237-84	Grommet	57 12 2	256-117	Bushing	50 19 1
237-84	Grommet	36 14 2	256-155	Bushing - Flange	44 7 12
237-90	Grommet	49 1 2	256-219	Bushing - Flange	10 26 2
237-101	Seal - O-Ring	20 26 2	256-219	Bushing - Flange	19 28 2
237-123	Seal - O-Ring	24 24 1	256-239	Bearing	47 4 2
237-142	O-Ring	39 4 2	256-239	Bearing	46 4 2
237-142	O-Ring	40 5 2	256-243	Bushing	50 7 2
237-142	O-Ring	41 5 2	256-244	Bushing	50 25 1
237-143	Grommet	20 40 2	256-251	Bushing - Sleeve	10 10 2
237-156	O-Ring	42 28 2	256-300	Bushing - Flange	56 12 1
237-177	Seal - O-Ring	24 33 3	257-5	Washer - Steel	37 10 2
240-11	Grommet	25 3 4	257-5	Washer - Steel	58 10 1
240-11	Grommet	24 37 3	257-10	Washer	55 47 2
242-50	Nut - Lug	30 8 4	281-2	Plug - Pipe	49 37 1
242-50	Nut - Lug	8 29 8	282-2	Clevis - Adjusting	1 2 5
2410-18	Plug	60 2 1	282-2	Clevis - Rod	10 3 1
2410-34	Plug	50 22 1	283-8	Pin - Clevis	3 4 1
2410-68	Cover - Pin	55 8 2	283-8	Pin - Clevis	4 18 1
2410-73	Retainer - Tether	24 10 1	283-57	Pin - Clevis	10 8 1
2411-7	Ball Stud	48 23 2	283-61	Pin - Clevis	1 1 5
2411-7	Ball Stud	49 25 2	283-61	Pin - Clevis	10 4 1
2411-7	Ball Stud	37 34 2	284-3	Plug - Expansion	55 4 2
2411-7	Ball Stud	34 36 2	302-2	Fitting - Grease	6 17 1
2411-7	Stud - Ball	53 8 2	302-2	Fitting - Grease	4 23 1
2411-42	Joint - Ball L.H. Thread	10 30 1	302-2	Fitting - Grease Straight	3 34 1
2411-43	Joint - Ball R.H. Thread	10 33 1	302-5	Fitting - Grease	38 2 2
2412-34	Clamp - Hose	28 10 2	302-5	Fitting - Grease	34 11 3
2412-34	Clamp - Hose	20 24 2	302-5	Fitting - Grease	31 13 1
2412-34	Clamp - Hose	24 31 3	302-5	Fitting - Grease	45 13 2
2412-36	Clamp - Hose	25 16 2	302-5	Fitting - Grease	57 15 2
2412-41	Clamp - R	25 5 3	302-5	Fitting - Grease	36 18 3
2412-45	Hose Clamp	51 9 4	302-5	Fitting - Grease	49 18 4
2412-94	Clamp - R	25 10 1	302-5	Fitting - Grease	54 19 1
2412-106	Clamp - R	22 28 1	302-5	Fitting - Grease	1 27 1
2412-108	Clamp - Hose	25 12 4	302-5	Fitting - Grease	4 29 4
2412-129	Clamp - Hose	24 13 6	302-5	Fitting - Grease Straight	3 15 4
2412-133	Clamp - R	19 4 2	302-5	Fitting - Grease Straight	6 37 5
250-6	Tie - Cable	27 * 2	302-5	Fitting - Grease	48 27 4
251-77	Lock Collar	48 5 2	302-11	Fitting - Grease	30 2 1
251-141	Bearing - Ball	3 22 2	302-11	Fitting - Grease	57 20 1
251-141	Bearing - Ball	4 37 2	302-11	Fitting - Grease	55 43 1
251-141	Bearing - Ball	6 45 2	302-18	Fitting - Grease	43 9 6
251-206	Bearing	48 4 1	302-18	Fitting - Grease	37 16 1
251-247	Bearing Assembly	49 11 1	302-18	Fitting - Grease	58 16 1
251-247	Housing - Bearing	48 20 1	302-22	Fitting - Grease	45 9 2
251-327	Bearing	55 40 2	302-40	Fitting - Grease	36 27 1
251-327	Bearing - Ball	54 16 2	302-40	Fitting - Grease	34 27 1
251-327	Bearing - Roller	56 8 1	302-55	Fitting - Grease	30 16 1
251-328	Bearing	55 21 2	302-60	Fitting - Grease 90°	3 8 2
252-110	Bearing - Needle	56 4 1	302-60	Fitting - Grease 90°	4 17 2

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304-61	Clamp - R	11 23 1	325-11	Screw - Cap Hex. Hd.	8 9 8
321-2	Screw - Cap Hex. Hd.	24 16 1	329-1	Screw - Cap, Hex. Hd.	48 12 4
321-2	Screw - Cap, Hex. Hd.	52 2 36	3211-2	Screw - Cap Hex. Hd.	10 19 2
321-3	Screw - Cap, Hex. Hd.	47 2 4	3211-3	Screw - Cap, Hex. Hd.	48 19 2
321-3	Screw - Cap Hex. Hd.	20 10 4	3217-5	Nut - Hex.	20 12 2
321-3	Screw - Cap Hex. Hd.	19 13 1	3217-5	Nut - Hex.	51 13 2
321-3	Screw - Cap Hex. Hd.	2 52 3	3217-5	Nut - Hex.	49 29 4
321-3	Screw - Cap, Hex. Hd.	46 2 8	3217-6	Nut - Hex.	43 14 6
321-3	Screw - Cap, Hex. Hd.	43 7 6	3217-6	Nut - Lock	29 1 4
321-4	Screw - Cap Hex. Hd.	22 21 1	3217-7	Nut - Hex.	13 33 3
321-4	Screw - Cap Hex. Hd.	27 27 4	3217-7	Nut - Hex.	48 16 2
321-4	Screw - Cap Hex. Hd.	8 31 1	3217-8	Nut - Hex.	48 29 2
321-4	Screw - Cap, Hex Hd.	37 37 2	3217-8	Nut - Hex.	49 33 2
321-4	Screw - Cap, Hex. Hd.	53 12 2	3217-9	Nut - Lock	34 17 2
321-4	Screw - Cap, Hex. Hd.	49 26 4	3217-12	Nut - Lock	30 26 1
321-4	Screw - Cap, Hex. Hd.	35 58 2	3218-2	Nut - Jam	45 5 2
321-4	Screw - Hex. Flange Hd.	1 16 2	3218-2	Nut - Jam	44 12 6
321-5	Screw - Cap Hex. Hd.	8 26 8	3218-13	Nut - Jam	20 8 2
321-5	Screw - Cap, Hex Hd.	36 35 2	3218-17	Nut - Nut	49 10 1
321-5	Screw - Cap, Hex. Hd.	34 6 2	3219-1	Nut - Hex	37 38 4
321-5	Screw - Cap, Hex. Hd.	57 24 2	3219-1	Nut - Hex	34 39 4
321-10	Screw - Cap, Hex. Hd.	51 12 2	3219-2	Nut - Hex.	60 6 1
321-11	Screw - Cap Hex. Hd.	24 40 2	3219-4	Nut	57 1 1
321-11	Screw - Cap Hex. Hd.	2 43 1	3219-14	Nut - Hex	35 * 1
321-11	Screw - Hex. Washer Hd.	8 17 1	3219-14	Nut - Hex	36 * 1
321-33	Screw - Cap Hex Hd.	21 22 2	3219-14	Nut - Hex.	20 7 2
322-1	Screw - Cap Hex. Hd.	3 1 3	3219-14	Nut - Hex.	22 10 6
322-1	Screw - Cap Hex. Hd.	4 21 3	3219-18	Nut - Hex.	59 2 1
322-1	Screw - Cap Hex. Hd.	6 30 2	3220-2	Nut - Jam	10 2 2
322-1	Screw - Cap Hex. Hd.	28 31 2	3220-2	Nut - Jam	1 3 5
322-2	Screw - Cap Hex. Hd.	19 1 2	3220-3	Nut - Jam	4 2 2
322-2	Screw - Cap, Hex. Hd.	45 1 2	3220-3	Nut - Jam	6 2 2
322-2	Screw - Cap, Hex. Hd.	53 15 4	3220-3	Nut - Jam	3 23 2
322-3	Screw - Cap Hex. Hd.	6 25 1	3220-6	Nut - Hex, Jam	37 2 2
322-3	Screw - Cap Hex. Hd.	19 32 1	3220-6	Nut - Hex. Jam	58 2 2
322-3	Screw - Cap Hex. Hd.	27 32 6	3220-6	Nut - Jam	5 14 1
322-3	Screw - Cap, Hex. Hd.	53 6 2	3220-6	Nut - Jam	30 21 2
322-3	Screw - Cap, Hex. Hd.	45 21 2	3220-6	Nut - Lock	44 19 6
322-3	Screw - Cap, Hex. Hd.	49 22 1	3220-18	Nut - Jam	48 30 2
322-4	Screw - Cap Hex. Hd.	28 32 2	3220-20	Nut - Jam L.H. Thread	10 31 1
322-4	Screw - Cap Hex. Hd.	20 36 4	3229-22	Bolt - Carriage	1 10 2
322-5	Screw - Cap Hex. Hd.	10 36 2	3230-5	Bolt - Carriage	53 1 2
322-5	Screw - Cap, Hex Hd.	37 43 2	3230-23	Bolt - Carriage	43 2 6
322-5	Screw - Cap, Hex. Hd.	50 12 4	3233-26	Bolt - Carriage	35 46 2
322-5	Screw - Cap, Hex. Hd.	35 52 2	3234-1	Screw - Hex. Flange Hd.	10 6 4
322-6	Screw - Cap Hex. Hd.	28 18 4	3241-2	Screw - Set Square Hd.	28 19 2
322-7	Screw - Cap Hex. Hd.	27 21 2	3241-6	Screw - Set Square Hd.	28 13 2
322-9	Screw - Cap, Hex Hd.	44 18 6	3243-13	Screw - Set, Sq. Hd.	34 13 4
322-14	Screw - Cap Hex. Hd.	24 20 2	3245-1	Screw - Set	45 11 2
322-14	Screw - Cap Hex. Hd.	11 39 3	3245-1	Screw - Set, Hex. Soc. Hd.	31 1 2
322-23	Screw - Cap, Hex. Hd.	45 16 2	3245-7	Screw - Set	43 4 6
322-29	Screw - Cap Hex. Hd.	24 22 2	3246-2	Screw - Set	57 17 2
323-2	Screw - Mach. Hex Hd.	34 20 1	3246-2	Screw - Set	36 20 2
323-2	Screw - Machine, Hex Hd.	36 22 1	3246-3	Screw - Set	17 12 1
323-4	Screw - Cap Hex. Hd.	17 7 2	3249-3	Screw - Round Hd.	37 32 11
323-6	Screw - Cap Hex. Hd.	25 6 3	3249-3	Screw - Round Head	35 50 11
323-6	Screw - Cap Hex. Hd.	24 35 3	3253-3	Washer - Lock	43 6 6
323-6	Screw - Cap, Hex. Hd.	48 37 2	3253-3	Washer - Lock	53 11 2
323-7	Screw - Cap, Hex Hd.	44 3 6	3253-3	Washer - Lock	27 26 4
323-7	Screw - Cap, Hex Hd.	36 9 2	3253-3	Washer - Lock	49 28 4
323-7	Screw - Cap, Hex. Hd.	57 8 2	3253-3	Washer - Lock	34 30 2
323-8	Screw - Cap Hex. Hd.	28 24 2	3253-3	Washer - Lock	37 36 2
323-11	Screw - Cap, Hex. Hd.	49 20 2	3253-3	Washer - Lock	24 39 2
323-12	Screw - Cap Hex. Hd.	27 1 3	3253-3	Washer - Lock	2 44 1
323-13	Screw - Cap Hex. Hd.	1 5 4	3253-3	Washer - Lock	16 57 4
323-15	Screw - Cap, Hex. Hd.	49 19 1	3253-4	Washer - Lock	19 2 2
324-6	Screw - Cap Hex. Hd.	27 30 4	3253-4	Washer - Lock	20 9 2
324-6	Screw - Cap, Hex. Hd.	48 9 2	3253-4	Washer - Lock	50 11 4
324-6	Screw - Cap, Hex. Hd.	49 24 2	3253-4	Washer - Lock	43 13 6
324-13	Screw - Cap, Hex. Hd.	48 21 2	3253-4	Washer - Lock	53 14 4
324-25	Screw - Cap, Hex. Hd.	37 14 1	3253-4	Washer - Lock	55 29 2
324-25	Screw - Cap, Hex. Hd.	58 14 1	3253-4	Washer - Lock	55 38 1

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PRODUCT CHANGES

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

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Greensmaster 3100 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 3100, 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 3100.
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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Certifié Conforme au Règlement sur le Brouillage Radioélectrique.
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