

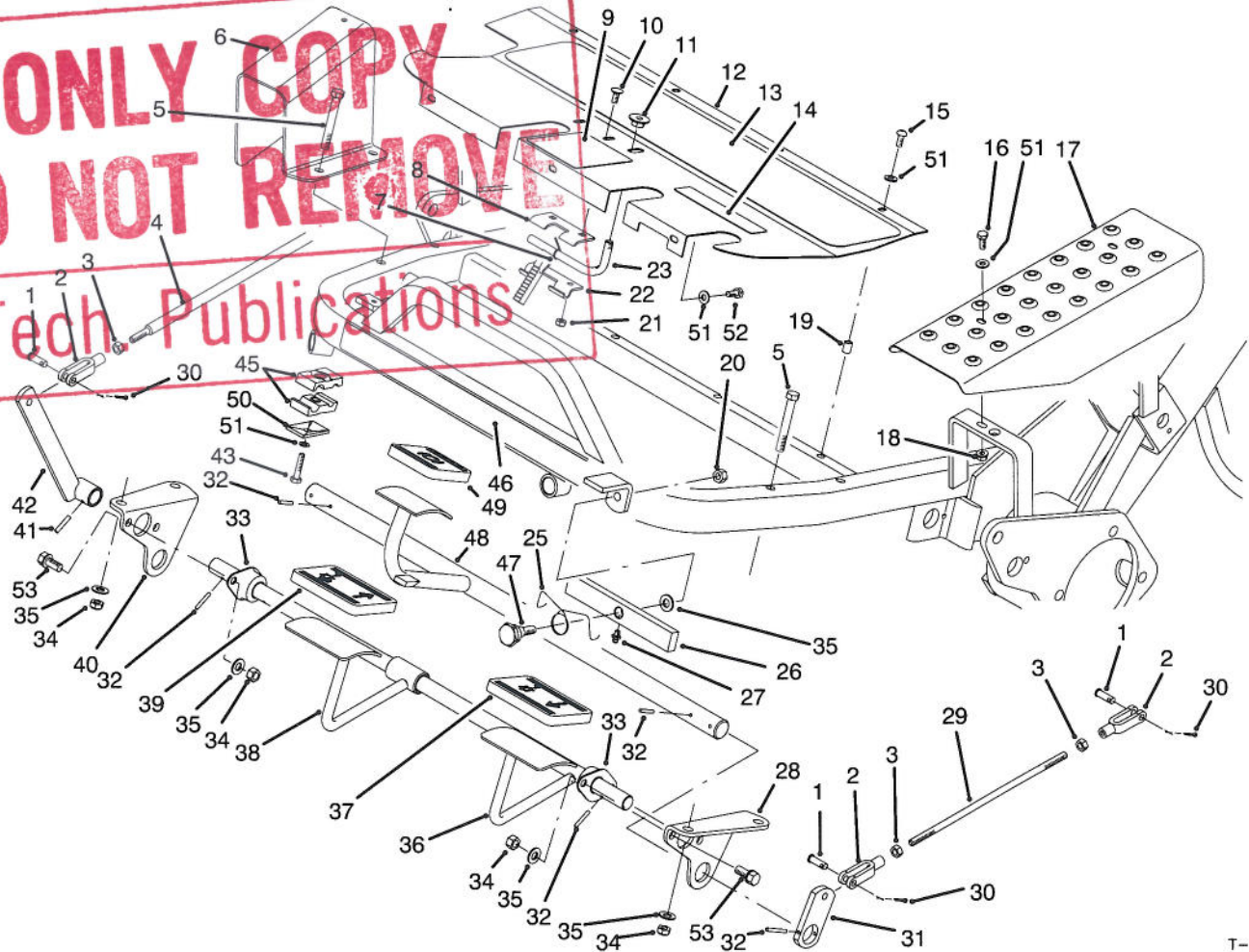


MODEL NO. 04352-50001 & UP

**PARTS
CATALOG**
**GREENSMASTER® 3100
TRACTION UNIT**

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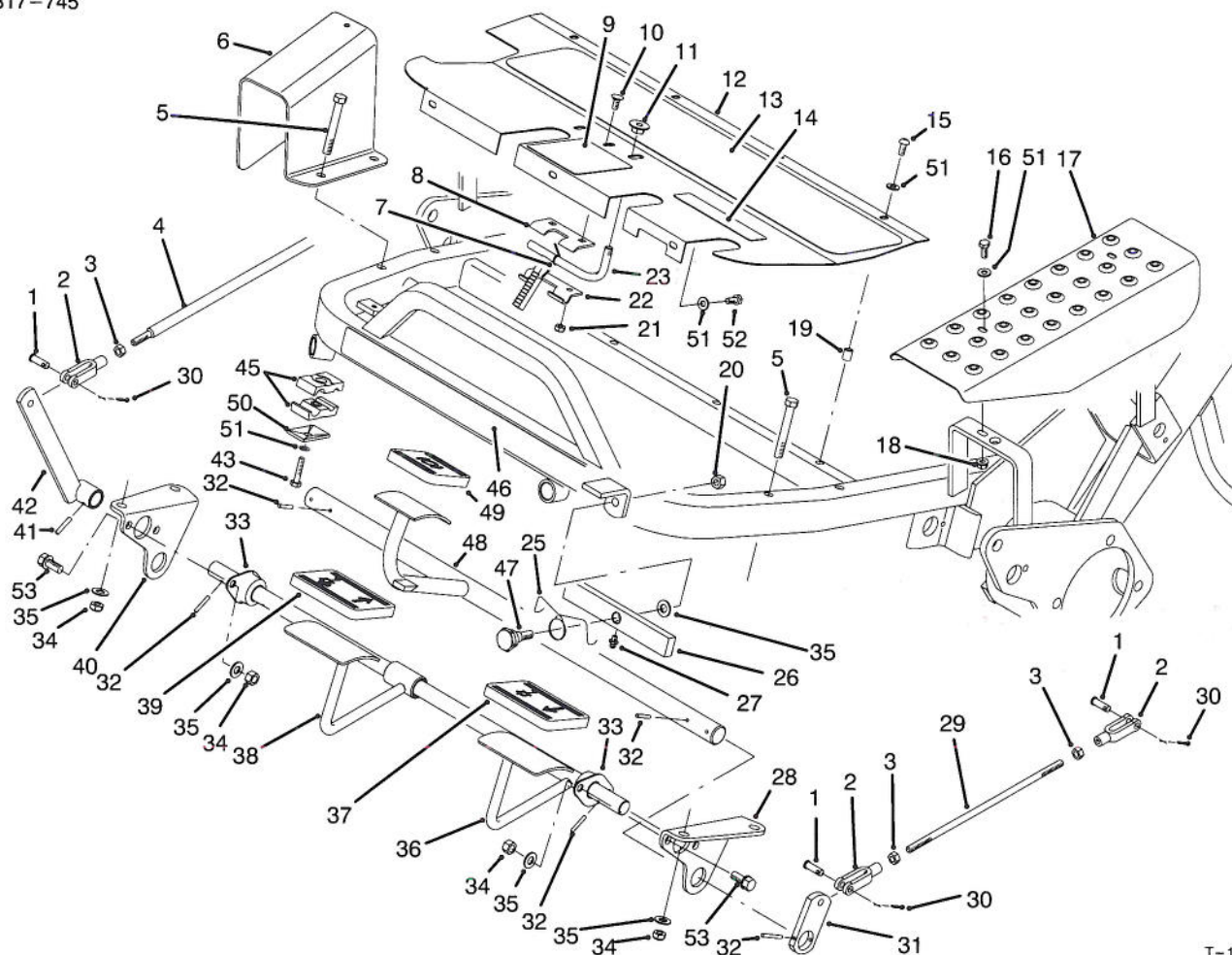
Tech. Publications



T-1285B

CONTROL PEDAL ASSEMBLY

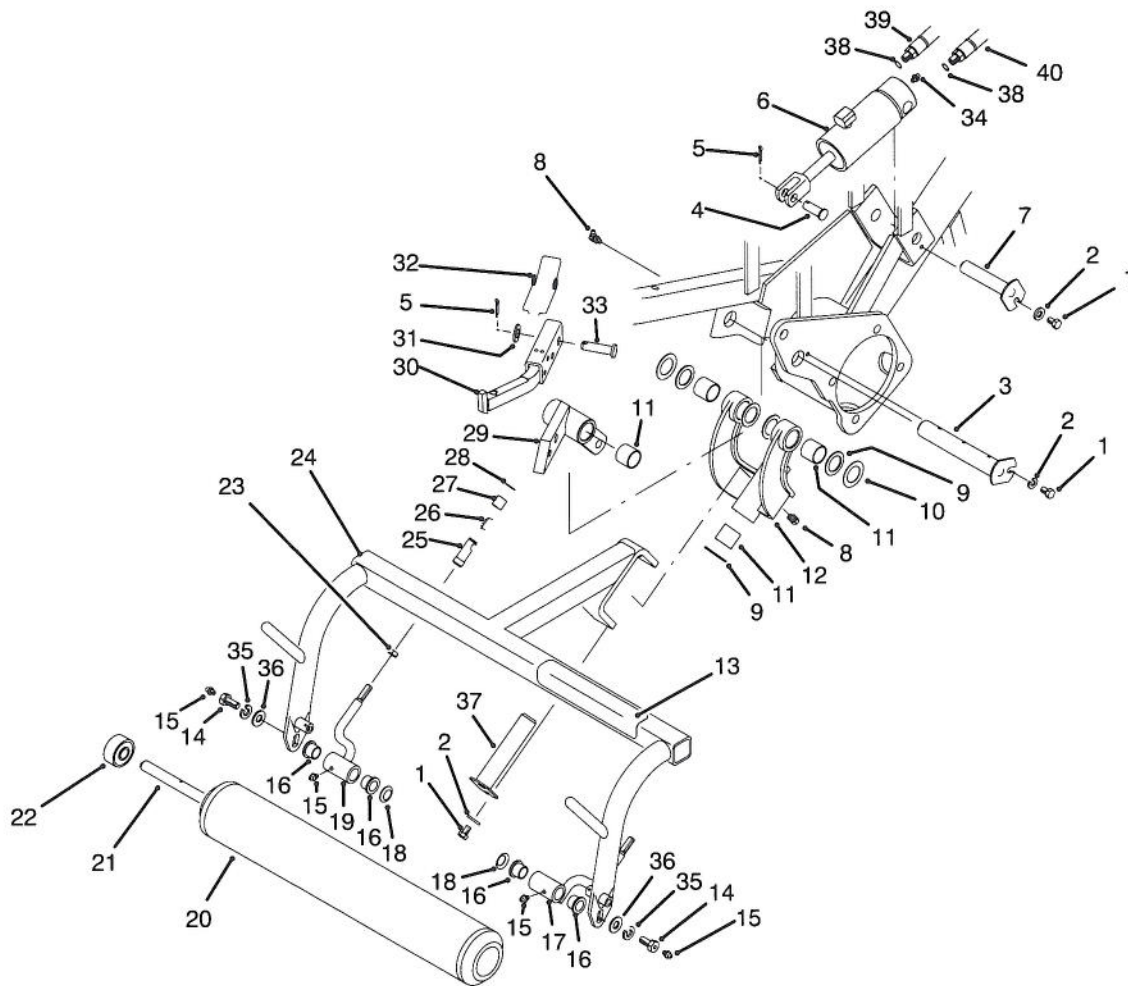
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	283-61	Pin - Clevis	5	17	83-0200	Cover - L.H.	1
2	282-2	Clevis - Adjusting	5	18	32128-33	Nut - Flange Lock	2
3	3220-2	Nut - Jam	5	19	32148-6	Insert - Threaded	8
4	49-5430	Rod - Control	1	20	3296-39	Nut - Lock	1
5	323-13	Screw - Cap Hex. Hd.	4	21	3296-16	Nut - Lock	2
6	49-6110	Guard - Transfer Rod	1	22	10-7890	Hinge - Lower	1
7	10-8140	Spring - Torsion	1	23	10-7850	Latch - Parking Brake	1
8	10-7880	Hinge - Upper	1	25	83-0080	Spring - Torsion	1
9	83-2480	Decal - Parking Brake	1	26	83-0060	Lift - Pivot	1
10	3229-22	Bolt - Carriage	2	27	302-5	Fitting - Grease	1
11	32141-111	Nut Flange Lock	1	28	88-9640	Lift Pivot Bracket L.H.	1
12	83-0640	Plate - Footrest	1	29	27-2270	Rod - Brake Adjusting	2
13	49-6120	Pad - Footrest	1	30	3272-6	Pin - Cotter	5
14	83-2530	Decal - Mow/Lift	1	31	10-8100	Strap - Brake Shaft	2
15	3274-31	Screw - Hex. Socket Hd.	4	32	32121-35	Pin - Roll	8
16	321-4	Screw - Hex. Flange Hd.	2	33	27-2320	Bearing - Flange	2



T-1285B

CONTROL PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
34	3296-59	Nut - Lock	8	45	56-7970	Clamp Half - Tube	2
35	3256-24	Washer - Flat	5	46	88-9620	Decal - Greensmaster 3100	1
36	88-9660	Shaft - Cutting Control	1	47	83-2590	Bolt - Shoulder	1
37	93-7631	Pad - Lift	1	48	83-0160	Shaft - Brake	1
38	83-0140	Pedal - Mow	1	49	93-7629	Pad - Brake	1
39	93-7630	Pad - Mow	1	50	69-9760	Plate - Cover	1
40	88-9630	Lift Pivot Bracket R.H.	1	51	3256-1	Washer - Flat	9
41	32121-6	Pin - Roll	1	52	321-3	Screw - Cap Hex. Hd.	3
42	49-6200	Lever - Cutting Control	1	53	3234-1	Screw - Cap Hex. Hd.	4
43	321-11	Screw - Cap Hex. Hd.	1	*	37-8130	Basket - Grass	3
44	3256-22	Washer - Flat	1	*	65-8320	Bar - Gauge	1

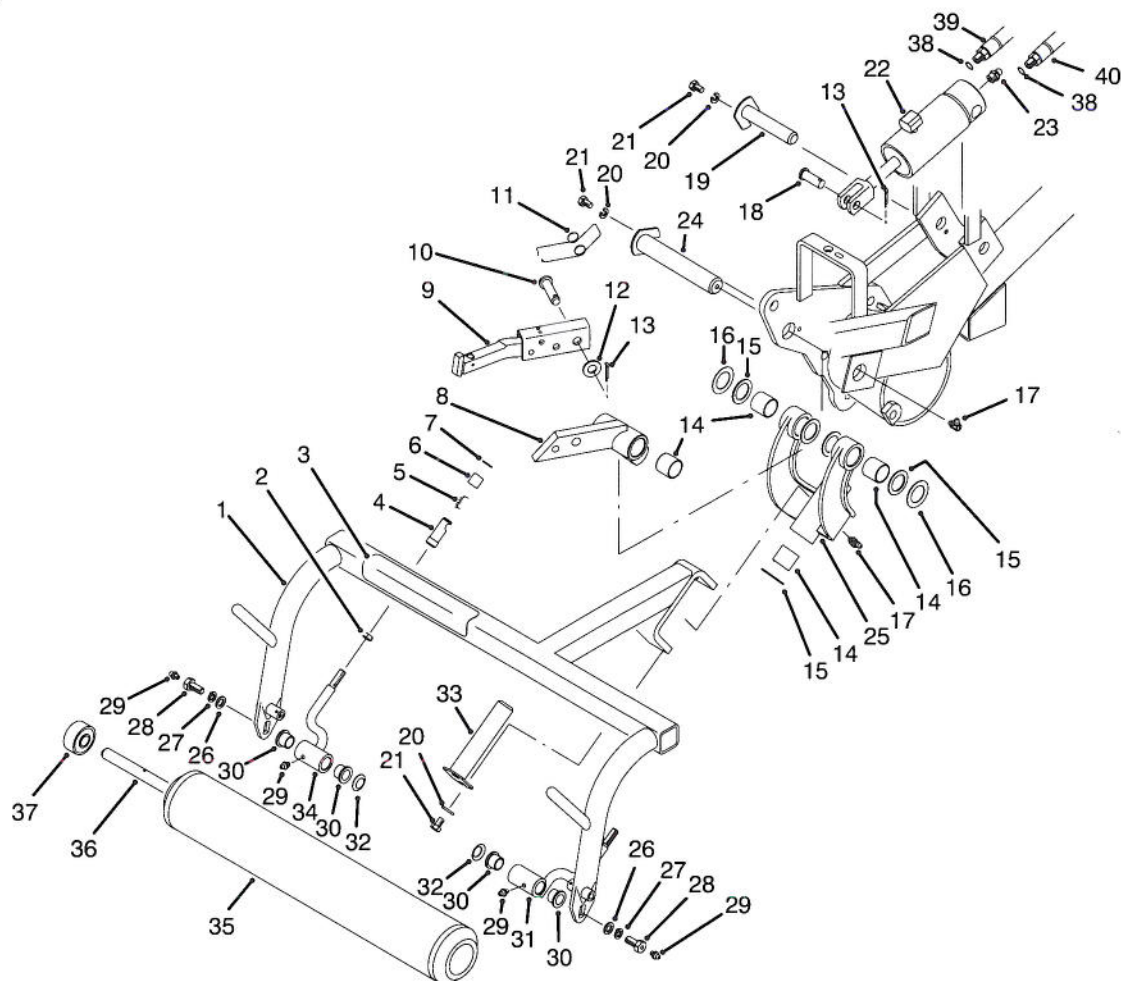


T-1283

PULL FRAME ASSEMBLY L.H.

Ref. No.	Part No.	Description	No. Used
1	322-1	Screw - Cap Hex. Hd.	3
2	3256-23	Washer - Flat	3
3	10-6110	Pin - Hinge	1
4	283-8	Pin - Clevis	1
5	3272-11	Pin - Cotter	2
6	83-2580	Cylinder - Lift	1
7	10-6060	Pin - Lift Cylinder	1
8	302-60	Fitting - Grease 90°	2
9	10-8110	Washer - Thrust	6
10	5-1226	Washer - Shim	2
11	3-0348	Bushing - Sleeve	6
12	10-7820	Pivot Hinge Assembly (Incl. Ref. #11)	1
13	84-6560	Decal - Danger	1
14	11-0160	Roller Shaft Screw Assy. (Incl. Ref. #15)	2
15	302-5	Fitting - Grease Straight	4
16	3-1506	Bushing - Flange	4
17	92-0586	Pull Arm Assembly L.H. (Incl. Ref. #16)	1
18	3290-317	Washer - Wave	2
19	92-0585	Pull Arm Assembly R.H. (Incl. Ref. #16)	1
20	52-2720	Roller Assembly (Incl. Ref. #22)	1

Ref. No.	Part No.	Description	No. Used
21	21-8470	Shaft - Roller	1
22	251-141	Bearing - Ball	2
23	3220-3	Nut - Jam	2
24	92-9176	Frame - Pull L.H.	1
25	8-7710	Ball Joint Receiver Assy. (Incl. Ref. #26-28)	2
26		Spring - Compression	2
27		Sleeve	2
28		Ring - Retaining	2
29	62-2460	Lift Arm Assembly L.H. (Incl. Ref. #11)	1
30	62-2390	Bar - Lift L.H.	1
31	3256-26	Washer - Flat	1
32	57-7650	Spring - Torsion	1
33	63-8750	Pin - Pivot	1
34	302-2	Fitting - Grease Straight	1
35	3253-21	Washer - Lock	2
36	3256-24	Washer - Flat	2
37	10-6090	Pin - Pivot	1
38	237-78	Seal - O-Ring	2
39	63-3850	Hose - Hydraulic (Incl. Ref. #38)	1
40	83-1690	Hose - Hydraulic (Incl. Ref. #38)	1

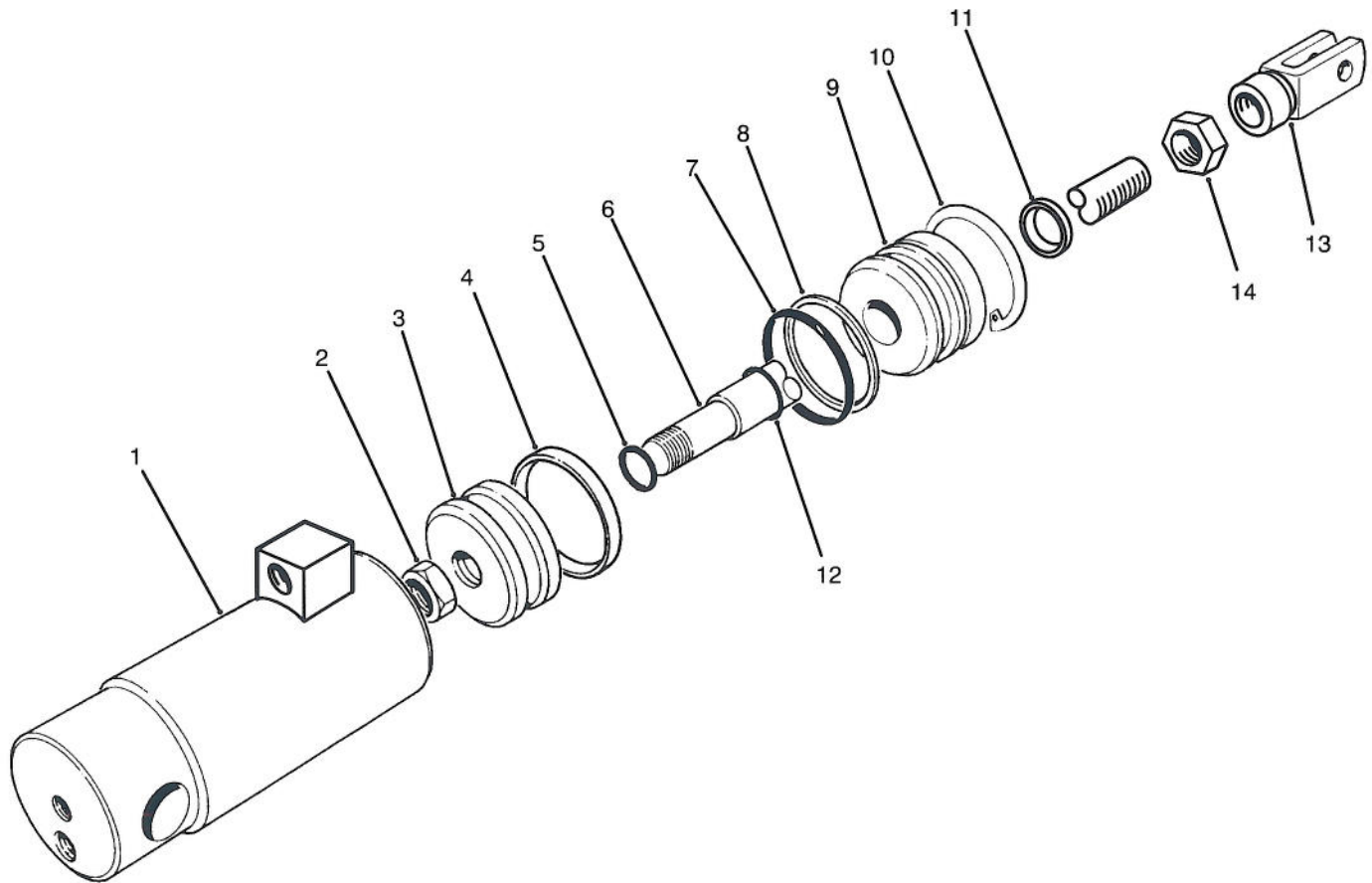


T-1284

PULL FRAME ASSEMBLY R.H.

Ref. No.	Part No.	Description	No. Used
1	92-9177	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

Ref. No.	Part No.	Description	No. Used
23	302-2	Fitting - Grease	1
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	92-0586	Pull Arm Assembly L.H. (Incl. Ref. #30)	1
32	3290-317	Washer - Wave	2
33	10-6090	Pin - Pivot	1
34	92-0585	Pull Arm Assembly R.H. (Incl. Ref. #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	63-3880	Hose - Hydraulic (Incl. Ref. #38)	2



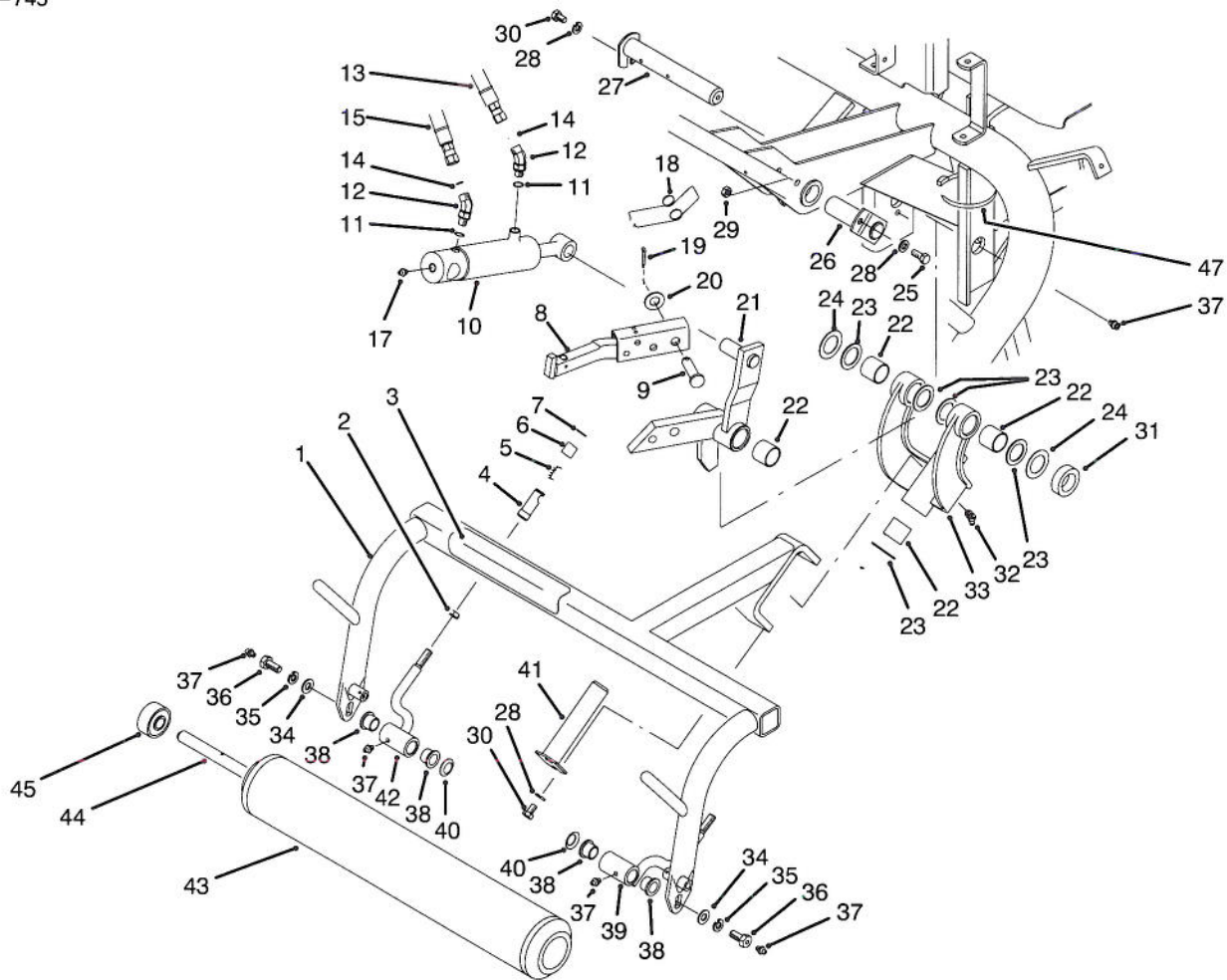
T-1246

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

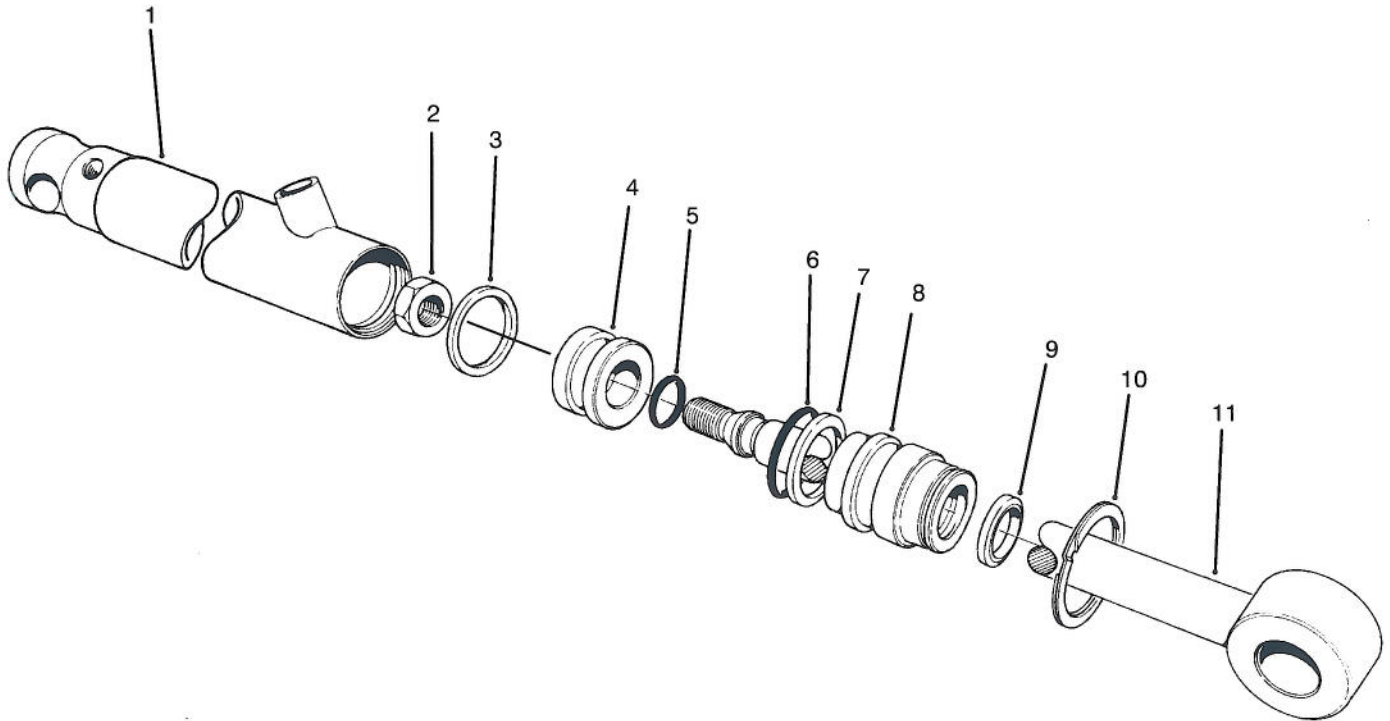
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T-1286

PULL FRAME ASSEMBLY REAR

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	86-9820	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	3
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. #11 & 14)	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	92-0586	Pull Arm Assembly L.H. (Incl. Ref. #38)	1
15	88-9700	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	92-0585	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	47	3290-379	Tie - Cable	1
23	10-8110	Washer - Thrust	6				
24	5-1226	Washer - Shim	2				
25	322-3	Screw - Cap Hex. Hd.	1				



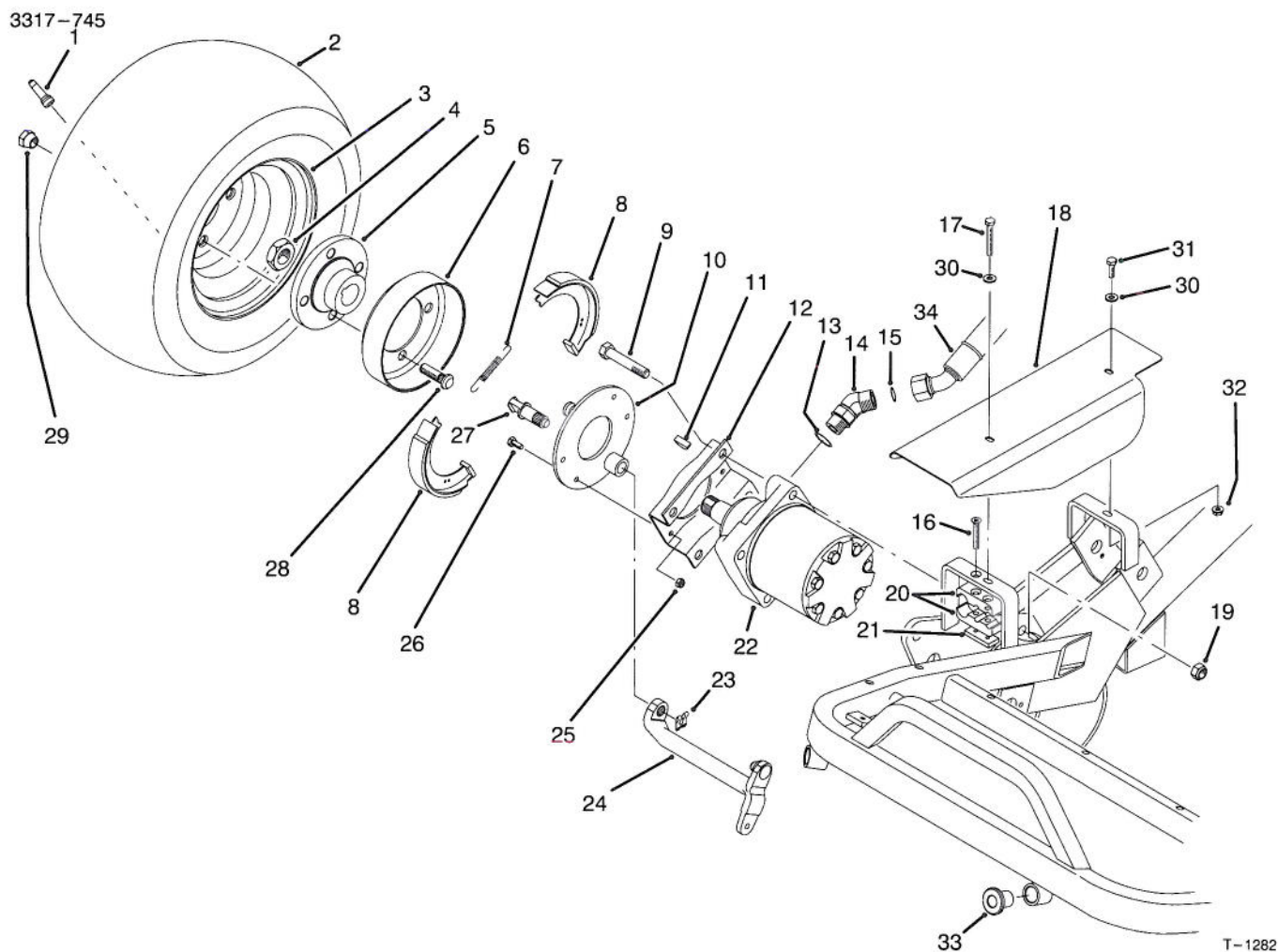
T-0640

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
4	70-2780	Piston	1
5		Seal - O-Ring	1
6		Seal - O-Ring	1
7		Washer - Back-Up	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



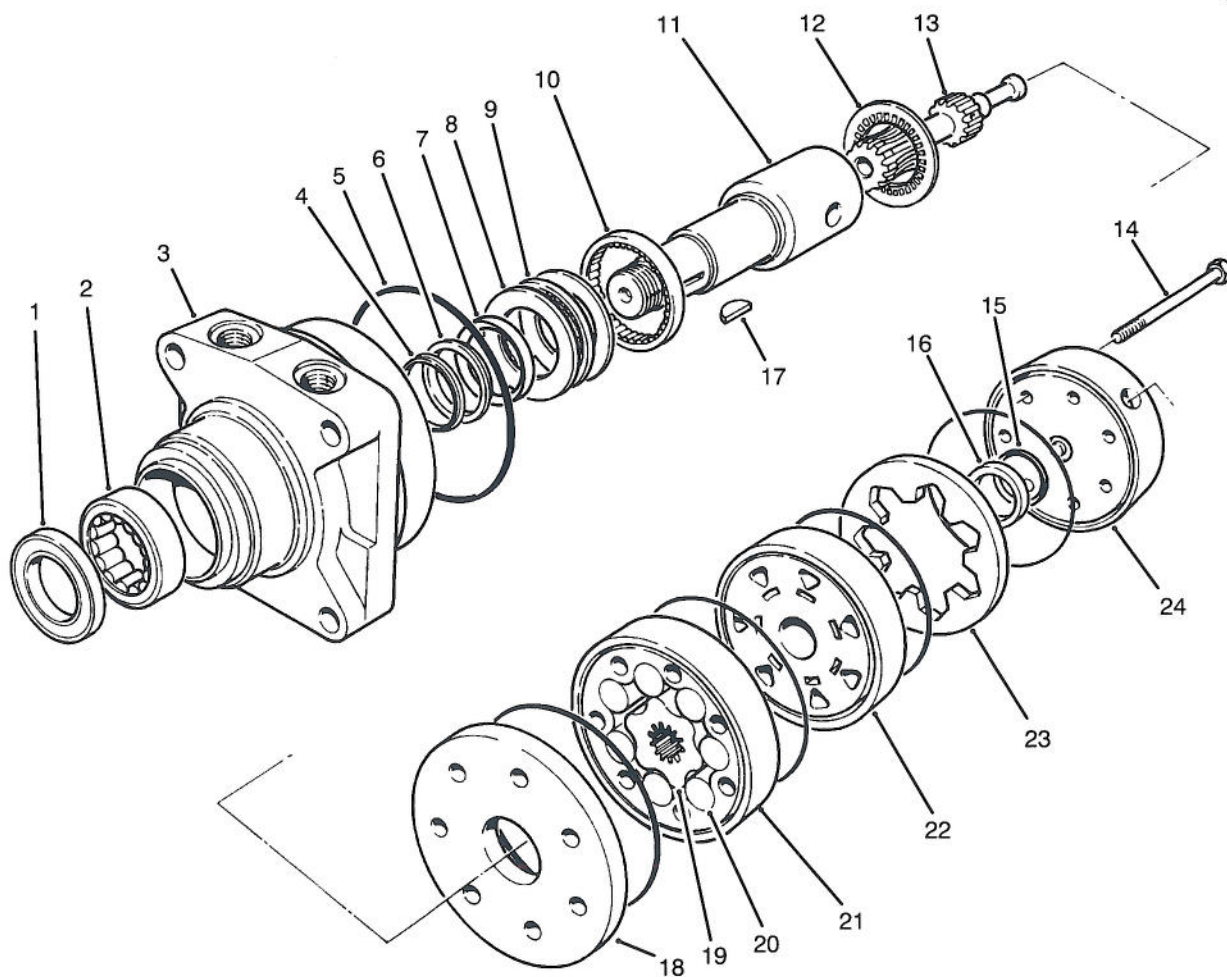
T-1282

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	4
14	340-14	Fitting - Hydraulic 45° (Incl. Ref. #13 & 15)	4
15	237-65	Seal - O-Ring	4
16	32108-100	Screw - Flat Hd.	1
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	92-9199	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	32128-33	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



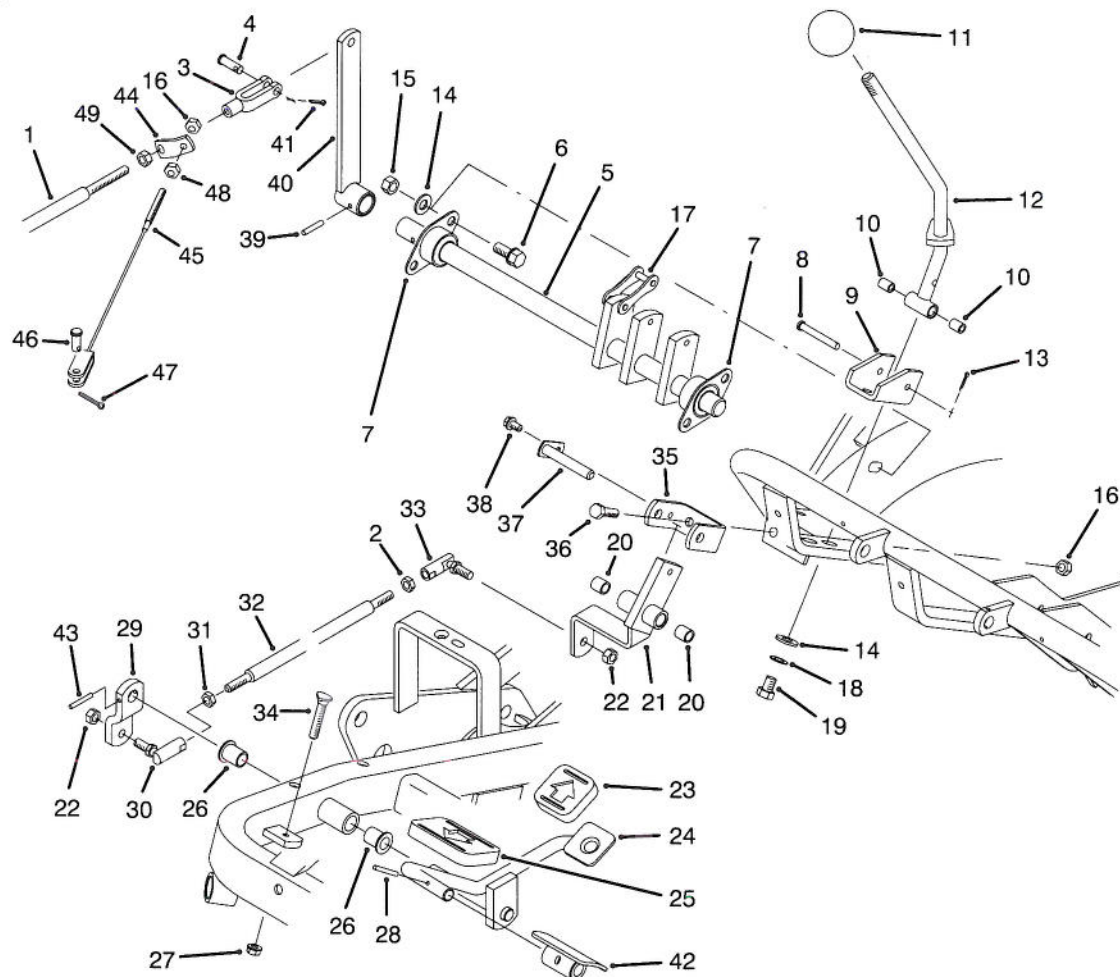
T-0983

HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 92-9199

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	92-9761	Link - Drive	1
14	92-9762	Screw - Cap Hex. Hd.	7
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
*	92-9763	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

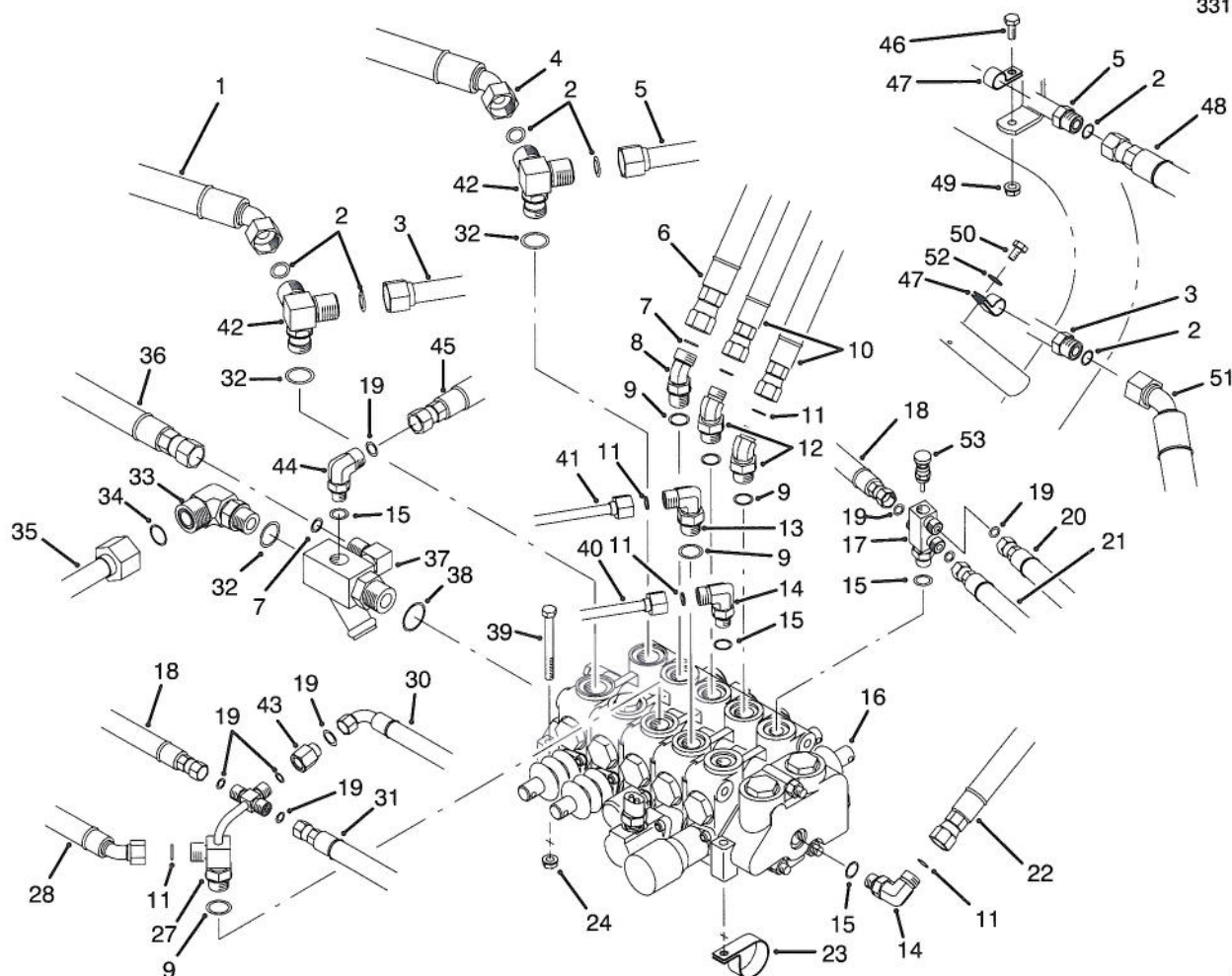


T-1287

TRACTION CONTROLS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	49-5430	Rod - Control	1
2	3220-2	Nut - Jam	1
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	93-9934	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	3
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	Assy. - Pivot, Traction (Incl. Ref. #20)	1
22	3296-4	Nut - Lock	2
23	74-9110	Pad - Reverse Pedal	1
24	83-0540	Pedal - Traction	1

Ref. No.	Part No.	Description	No. Used
25	74-9100	Pad - Forward Pedal	1
26	256-155	Bushing - Flange	2
27	32128-20	Nut - Flange Lock	1
28	32121-45	Pin - Roll	1
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
43	32121-51	Pin - Roll	1
44	93-9936	Bracket - Traction Return	1
45	93-9937	Return Cable Assembly	1
46	283-62	Pin - Clevis	1
47	3272-10	Pin - Cotter	1
48	3217-6	Nut - Hex.	1
49	3219-2	Nut - Hex.	1

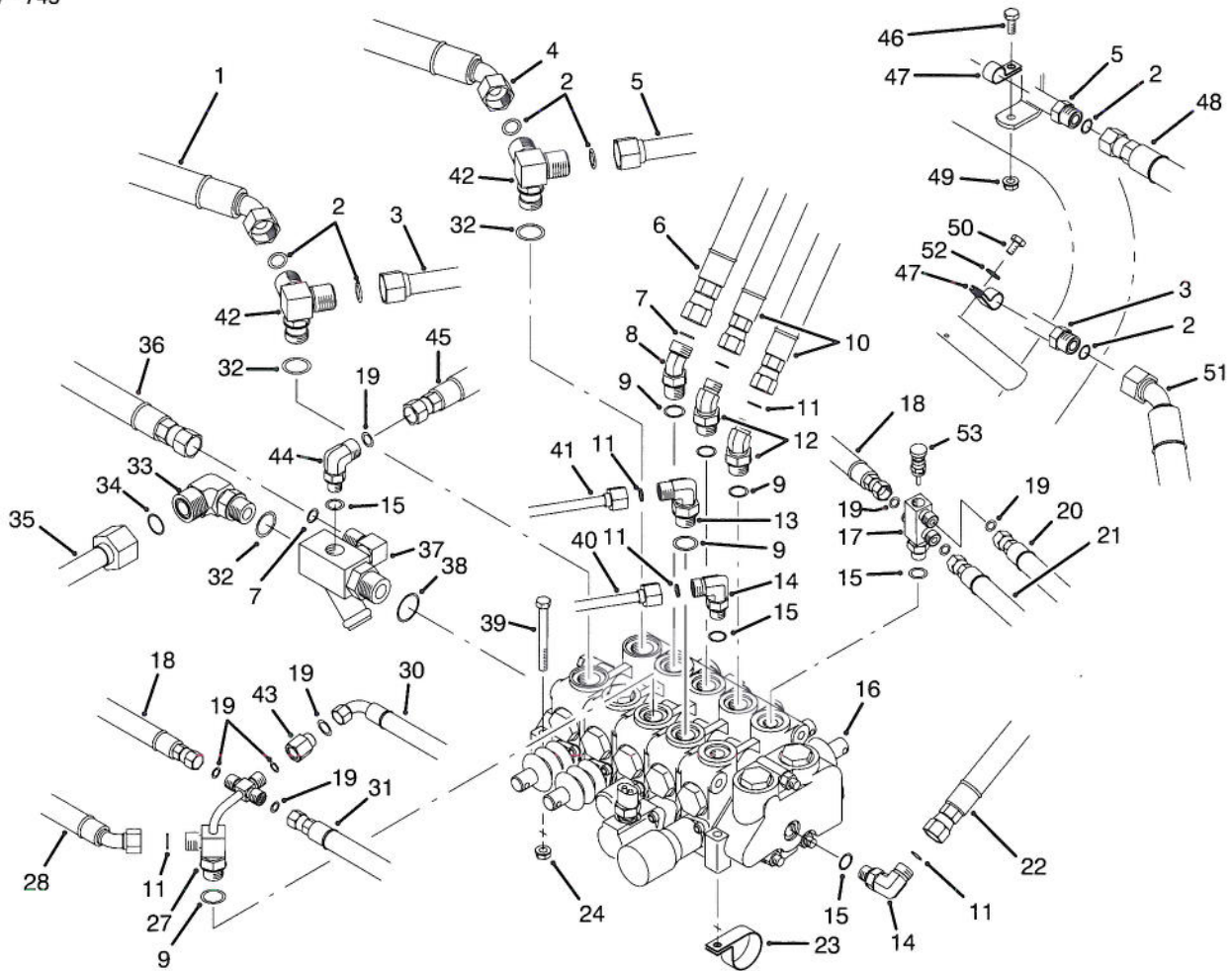


T-1294

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	92-1189	Hose - Hydraulic	1
7	237-30	Seal - O-Ring	2
8	340-101	Fitting - Hydraulic 45° (Incl. Ref. #7 & 9)	1
9	237-79	Seal - O-Ring	4
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	4
16	84-2203	Control Valve Assembly	1
17	92-0587	Fitting - Valve Body (Incl. Ref. #15 & 19)	1
18	63-3880	Hose - Hydraulic	2
19	237-21	Seal - O-Ring	6
20	88-9700	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
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	340-137	Fitting - Hydraulic 45° (Incl. Ref. #15 & 19)	1

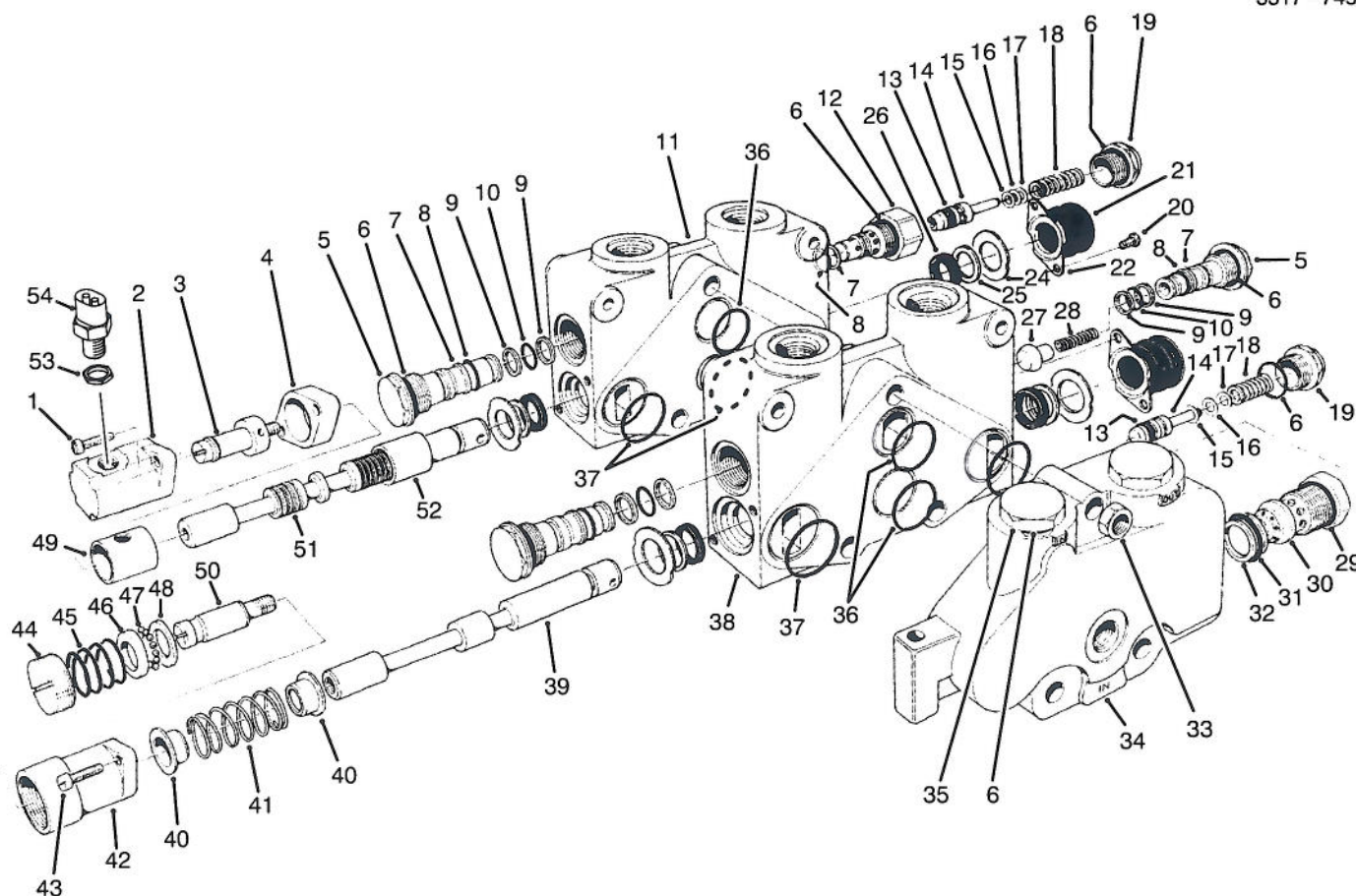


T-1294

CONTROL VALVE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
45	83-1350	Hose - Hydraulic	1	52	3256-22	Washer - Flat	1
46	3234-4	Screw - Cap Hex. Hd.	1	53	92-0588	Valve - Needle	1
47	2412-41	Clamp-R	2	*	3290-378	Tie - Cable	1
48	70-7150	Hose - Hydraulic	1	*	3290-379	Tie - Cable	2
49	3296-16	Nut - Lock	1	*	88-9500	Needle Valve Assembly (Incl. Ref. #15, 17, 19 & 53)	1
50	12-3270	Screw - Thread Forming	1				
51	70-8610	Hose - Hydraulic	1				

*Not Illustrated



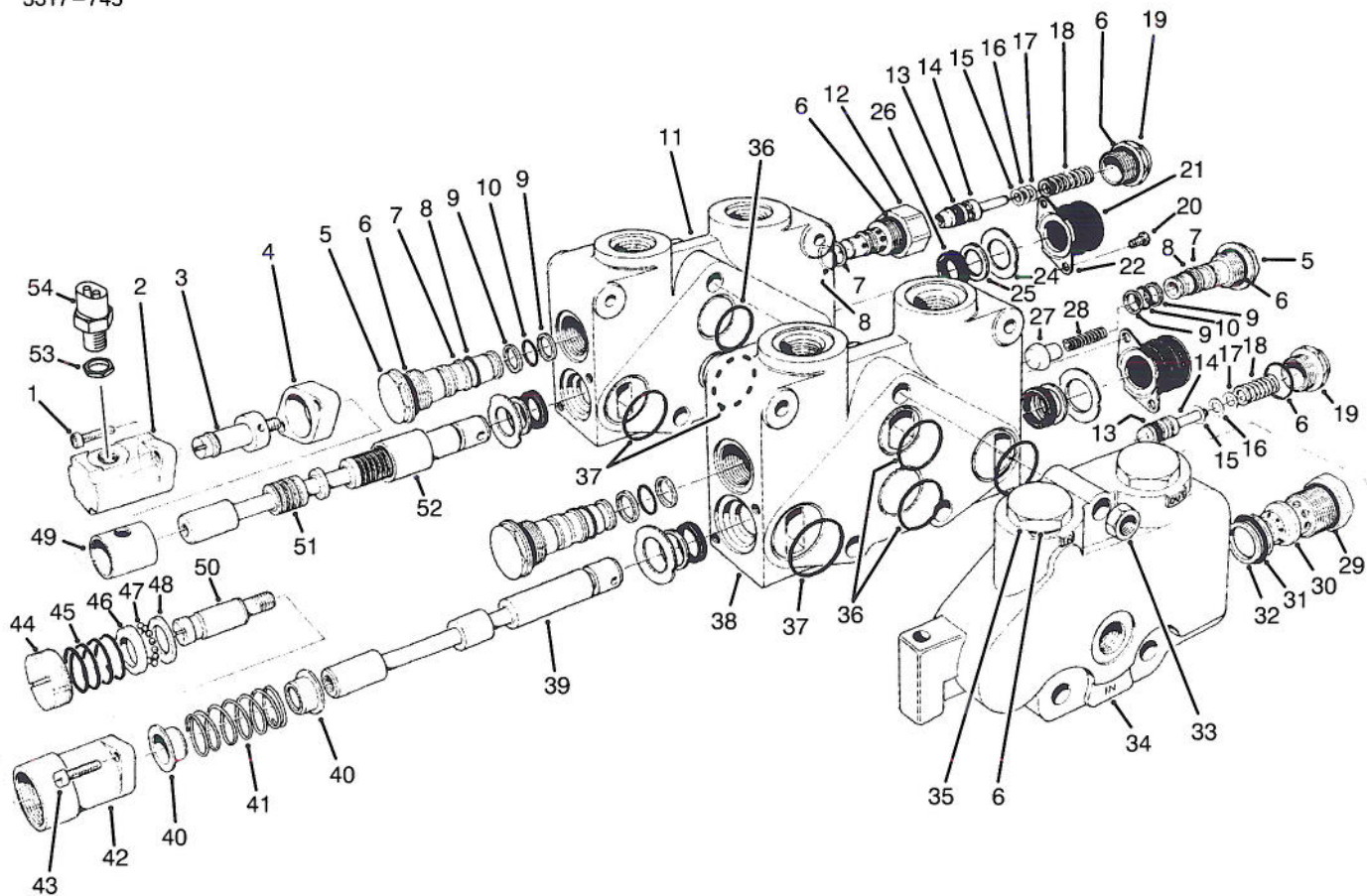
T-1318A

CONTROL VALVE ASSY. NO. 84-2203 (Sections 1 & 2)

Ref. No.	Part No.	Description	No. Used
1	3274-70	Screw - Hex, Socket Hd.	2
2	353-727	Bonnet	1
3	353-729	Spud - Detent	1
4	353-733	Spacer - Bonnet	1
5	353-481	Plug - Load Check (Incl. Ref. #6-10)	3
6	237-54	O-Ring	8
7	353-306	Ring - Backup	4
8	353-305	O-Ring	4
9	353-303	Ring - Backup	6
10	353-302	O-Ring	3
11		Housing V20T	1
12	353-851	Body - Relief CP-RC Mod.	1
13	353-392	Seal - Relief Poppet PTFE	2
14	353-531	Poppet Assy. (Incl. Ref. #13)	2
15	353-328	Washer - Shim	A/R
16	353-329	Washer - Shim	A/R
17	353-330	Washer - Shim	A/R
18	353-855	Spring	2
19	353-334	Cap - Relief	2
20	3274-52	Screw - Hex, Socket Hd.	4
21	353-575	Boot - Dust Cap	2
22	93-3651	Retainer - Boot	2
24	92-2547	Plate - Seal Retainer	4

Ref. No.	Part No.	Description	No. Used
25	92-2546	Wiper - Seal	4
26	353-957	Seal - Lip	4
27	353-301	Poppet	1
28	353-304	Spring	1
29	353-331	O-Ring	1
30	353-760	Body Relief	1
31	353-758	Seal - O-Ring	1
32	353-952	Ring - Backup	1
33	3217-7	Nut - Hex	3
34	353-772	Left End Cover	1
35	353-721	Plug (Incl. Ref. #6)	2
†36		O-Ring	3
†37		O-Ring	4
†38		Housing Section #1	1
†39		Spool V20 SPL	1
40	353-417	Collar Spring	2
41	92-3058	Spring - Centering	1
42	353-754	Bonnet - R. Detent	1
43	3274-15	Screw - Fillister Hd.	2
44	353-763	Cap - Adjustment	1
45	353-579	Spring	1
46	42-2680	Race R. Detent	1
47	52-5880	Ball - Steel	12
48	354-29	Plate - Thrust	1

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



T-1318A

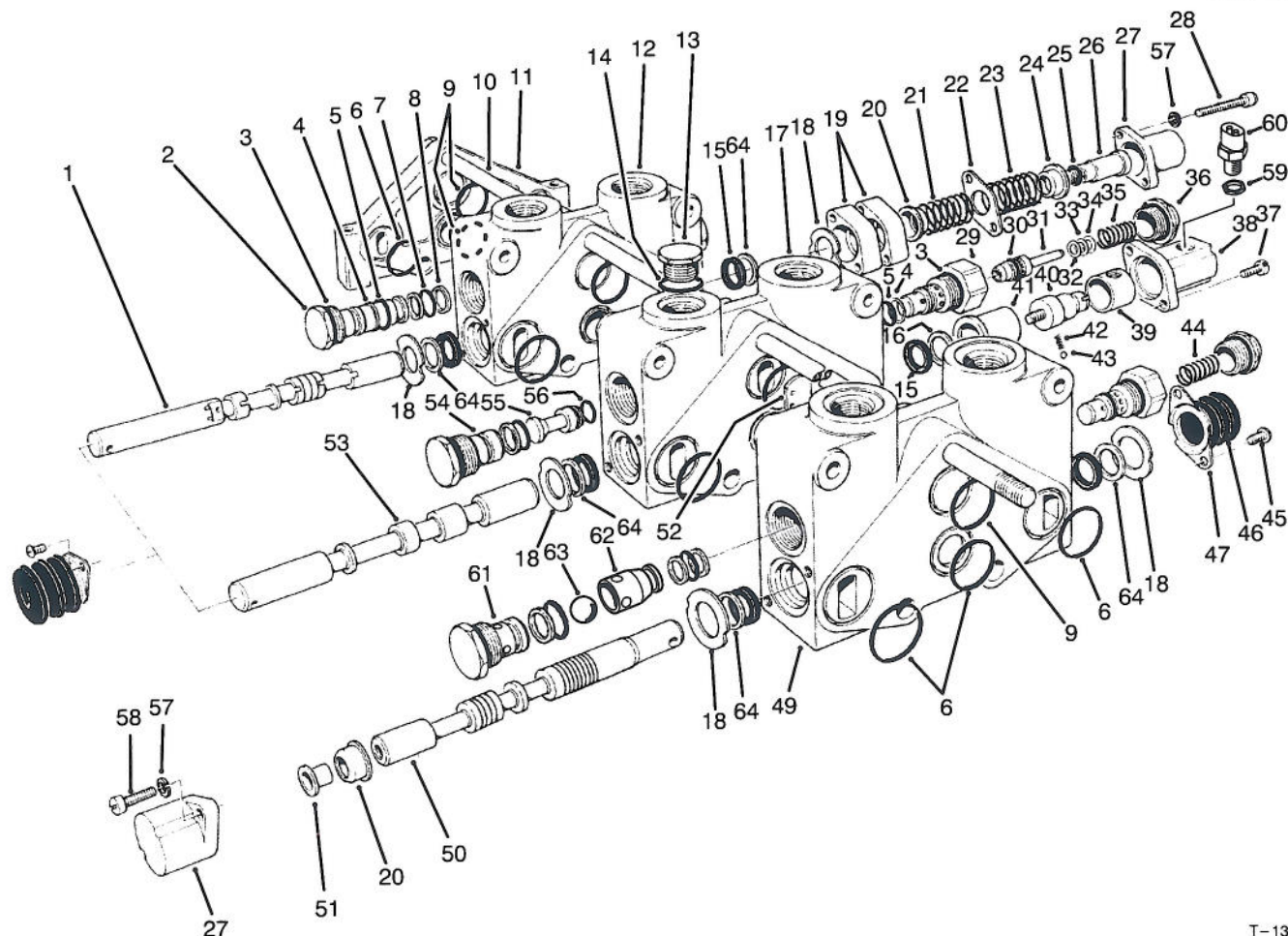
CONTROL VALVE ASSEMBLY NO. 84-2203 (Sections 1 And 2) (Continued)

Ref. No.	Part No.	Description	No. Used
49	353-728	Sleeve	1
50	353-762	Spud - Detent Out (Incl. Ref. #44)	1
†51		Spool V20 3 Way F.F.	1
52	353-732	Sleeve - Detent	1
53	38-0410	Nut - Hex.	1
54	83-1890	Switch - Ball	1
*	353-766	Relief WH (2000) PSI Assy. (Incl. Ref. #6,13-19 & 29-32)	1
*	353-768	Section #1 Complete	1
*	353-837	Section #2 Complete	1
*	353-780	Positioner - R. Detent (Out) (Incl. Ref. #3 & 40-49)	1

Ref. No.	Part No.	Description	No. Used
*	353-839	Positioner - DI (SPL) Assy. (Incl. Ref. #1, 3-5, 50 & 52)	1
*	353-642	Relief - RC Mod. (Incl. Ref. #6-8 & 12-19)	2
*	93-3652	Boot - Spool Assembly (Incl. Ref. #20-22)	2
*	353-835	Seals - Section Set (Incl. Ref. #36 & 37)	1
*	92-2548	Seals - Spool (Single End Set) (Incl. Ref. #24-26)	1
*	92-2545	Seals - Spool (Entire Valve Set)	1

*Not Illustrated

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



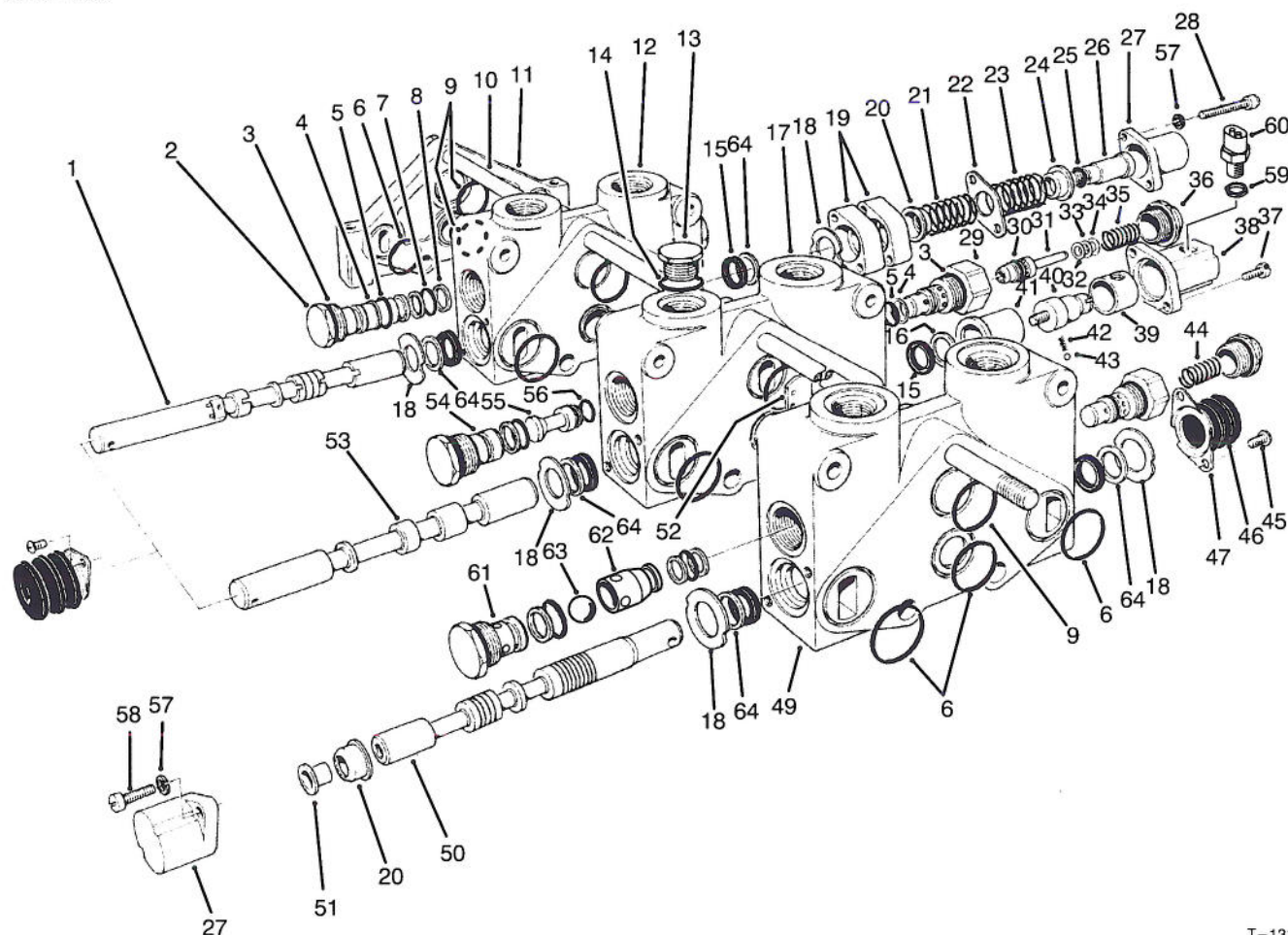
T-1319A

CONTROL VALVE ASSY. NO. 84-2203 (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	1
†17		Housing V20 #4	1
18	92-2547	Plate - Seal Retainer	5
19	353-733	Spacer - Bonnet	2
20	353-417	Collar Spring	2
21	353-831	Spring	1
22	353-529	Plate Seal	1
23	92-3148	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	93-3651	Retainer - Boot	3

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



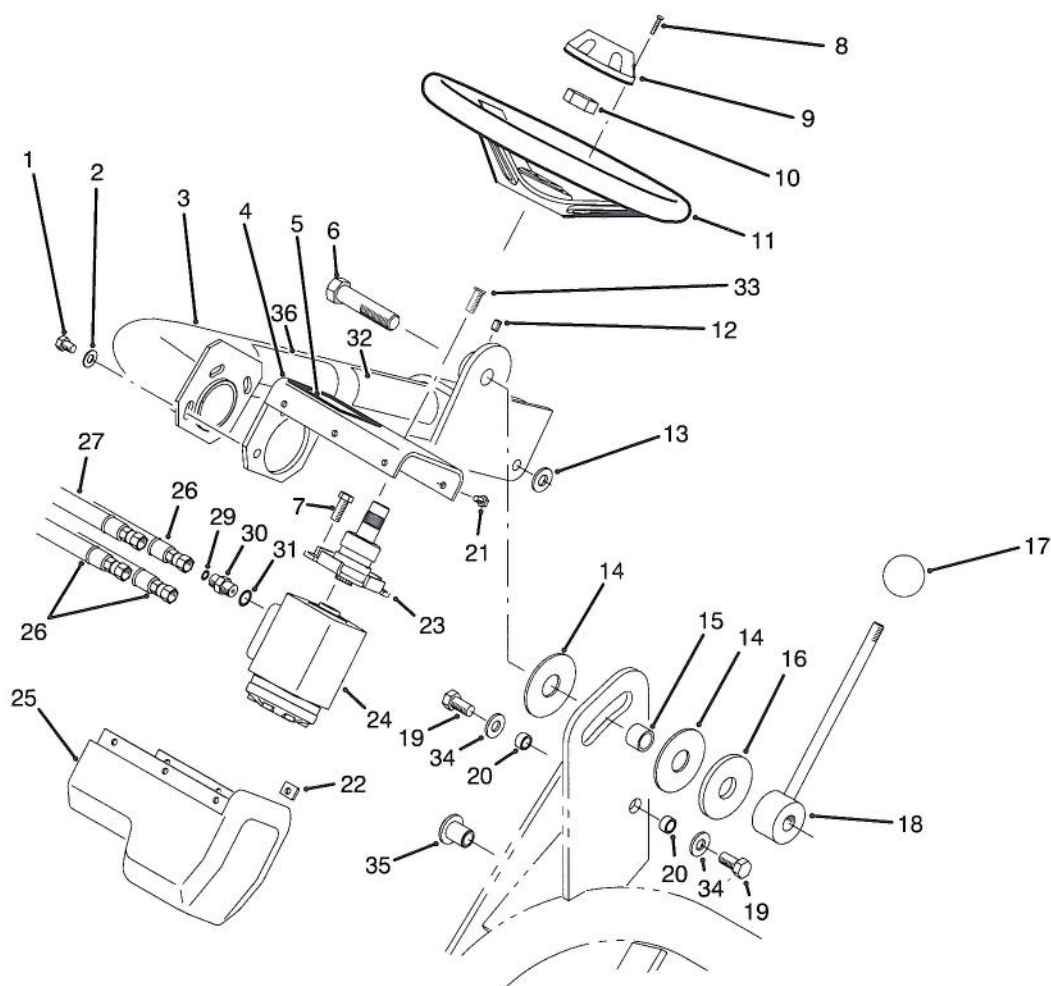
T-1319A

CONTROL VALVE ASSEMBLY NO. 84-2203 (Sections 3 Thru 5) (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
49		Housing V20 #2	1			(Complete)	1
†50		Spool V20 3 Way F.F.	1	*	354-25	Section #4 Assembly	1
51	52-5860	Collar - Spool	1			(Complete)	1
52	354-122	Disc - Seal	1	*	93-1386	Section #5 Assembly	1
†53		Spool #4	1			(Complete)	1
54	353-953	Plug Assembly	1	*	353-841	Position - Spool Assembly	1
55	353-844	Plus Series	1			(Incl. Ref. #20, 27, 37 & 51)	1
		(Incl. Ref. #56)	1	*	353-840	Position - DI (SP) Assy.	1
56	353-850	O-Ring	1			(Incl. Ref. #37-43)	1
57	3253-3	Washer - Lock	4	*	353-642	Relief - RC Mod. Assembly	1
58	3274-84	Screw - Cap, Hex. Hd.	4			(Incl. Ref. #3-5 & 29-36)	1
59	38-0410	Nut - Hex.	1	*	353-833	Positioner Assembly	1
60	83-1890	Switch - Ball	1			(Incl. Ref. #19-28)	1
61	353-483	Body - Anticavitation	1	*	84-2203	Control Valve Assembly	1
62	353-484	Retainer - Ball	1			Complete	1
63	353-737	Ball	1	*	92-2548	Seals - Spool	1
64	92-2546	Wiper - Seal	5			(End Set)	1
*	354-129	Anticavitation Check Assy.	1			(Incl. Ref. #15, 18 & 64)	1
		(Incl. Ref. #3, 4, 5, 7, 8 & 61-63)	1	*	92-2549	Seals - Spool	1
*	353-835	Seals - Section Set	1			(End Set #4 Rear Only)	1
		(Incl. Ref. #6 & 9)	1			(Incl. Ref. #15, 16 & 18)	1
*	93-3652	Boot - Spool Assembly	3	*	92-2545	Seals - Spool	1
		(Incl. Ref. #45-47)				(Entire Valve Set)	1
*	354-131	Section #3 Assembly					

*Not Illustrated

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

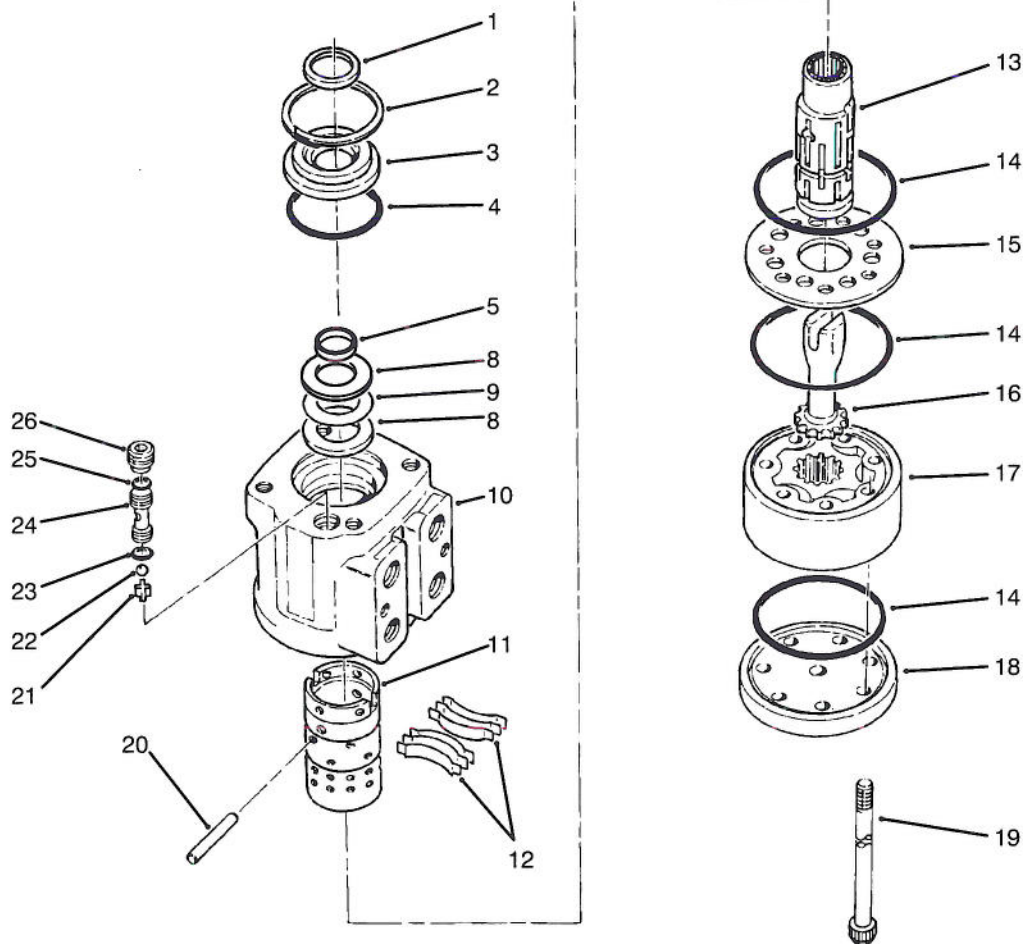


T-1291

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 - Speed	6
23	83-1420	Column - Steering	1
24	92-8690	Steering - Valve Assembly	1
25	83-0810	Cover - Steering Valve	1
26	84-8730	Hose - Hydraulic	2
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

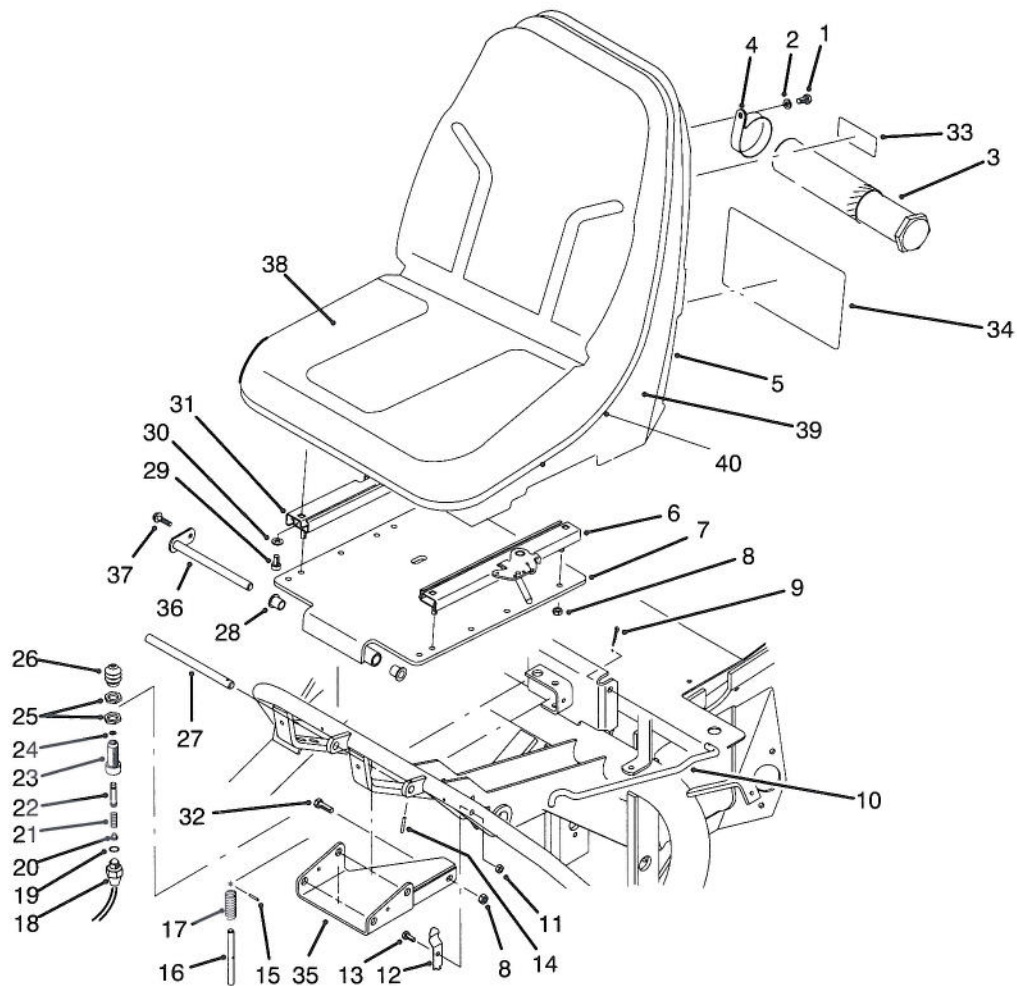
POWER STEERING VALVE NO. 92-8690

Ref. No.	Part No.	Description	No. Used
†1		Seal – Dust	1
2	52-9230	Ring – Retaining	1
3	92-8691	Bushing – Seal Gland	1
4		O-Ring	1
5		Seal – One Piece	1
8	59-6730	Race – Bearing	2
9	59-6740	Bearing – Needle Thrust	1
†10		Housing	1
†11		Sleeve – Control	1
12	83-1860	Centering Spring Kit	1
†13		Spool – Control	1
14		O-Ring	3
15	92-8697	Plate – Wear	1
16	70-8250	Drive	1
17	83-1870	Gerotor	1
18	92-8694	Cap – End	1

Ref. No.	Part No.	Description	No. Used
19	92-8696	Screw – Torx Hd.	7
20	59-6830	Centering Pin Kit	1
21	52-9290	Retainer – Ball Check	1
22	52-9280	Ball – Check	1
23		O-Ring	1
24	52-9270	Seat – Ball Check	1
25		O-Ring	1
26	52-9260	Screw – Set	1
*	52-9250	Needle Bearing Kit (Incl. Ref. #8 & 9)	1
*	83-1880	Control Parts Assembly (Incl. Ref. #10-13 & 20)	1
*	92-8695	Seal Kit (Incl. Ref. #1, 4, 5, 14, 23 & 25)	1

*Not Illustrated

†Not Serviced Separately



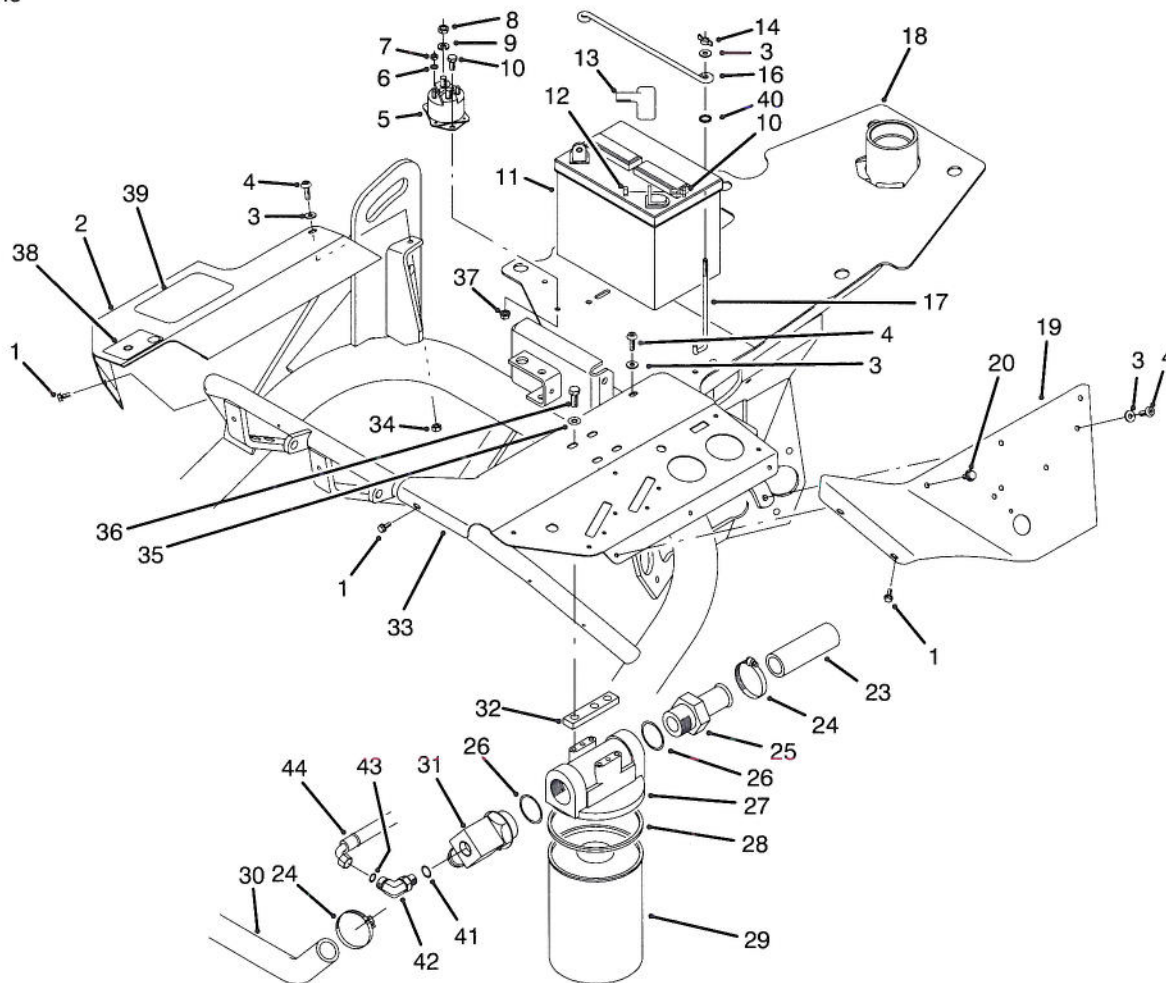
T-1445

SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322-2	Screw - Cap Hex. Hd.	2
2	3253-4	Washer - Lock	2
3	74-0720	Tube - Manual	1
4	2412-133	Clamp - R	2
5	92-1180	Seat Assembly (Incl. Ref. #38-40)	1
6	51-0790	Adjuster - Seat	1
7	84-8770	Seat Support Assembly (Incl. Ref. #28)	1
8	3296-29	Nut - Lock	4
9	3272-11	Pin - Cotter	1
10	68-5100	Rod - Seat Prop	1
11	3296-42	Nut - Lock	1
12	68-5310	Clip - Seat Rod	1
13	321-3	Screw - Cap Hex. Hd.	1
14	32121-16	Pin - Roll	1
15	3284-3	Pin - Groove	1
16	51-0350	Pin - Seat Spring	1
17	3-6685	Spring - Compression	1
18	72-4320	Switch - Ball	1
19	237-30	Seal - O-Ring	1
20	43-8610	Seat - Ball	1

Ref. No.	Part No.	Description	No. Used
21	43-8600	Spring - Compression	1
22	43-8860	Plunger - Switch	1
23	43-8620	Guide - Switch	1
24	237-7	Seal - O-Ring	1
25	218-461	Nut - Hex.	2
26	43-8870	Boot - Switch	1
27	49-5880	Shaft - Seat Support	1
28	256-155	Bushing - Flange	2
29	3274-12	Screw - Hex. Socket Hd.	4
30	3256-23	Washer - Flat	4
31	51-0780	Slider - Seat	1
32	322-3	Screw - Cap Hex. Hd.	1
33	84-3180	Decal - Hydraulic Oil	1
34	83-2490	Decal - Service	1
35	84-8800	Bracket	1
36	84-8700	Pivot - Seat	1
37	32144-4	Screw - Thread Forming	1
38	92-6533	Kit - Cushion	1
39	92-6534	Shell	1
40	351-78	Edging	1
*	43-9071	Seat Switch Assembly (Incl. Ref. #18-26)	1

*Not Illustrated

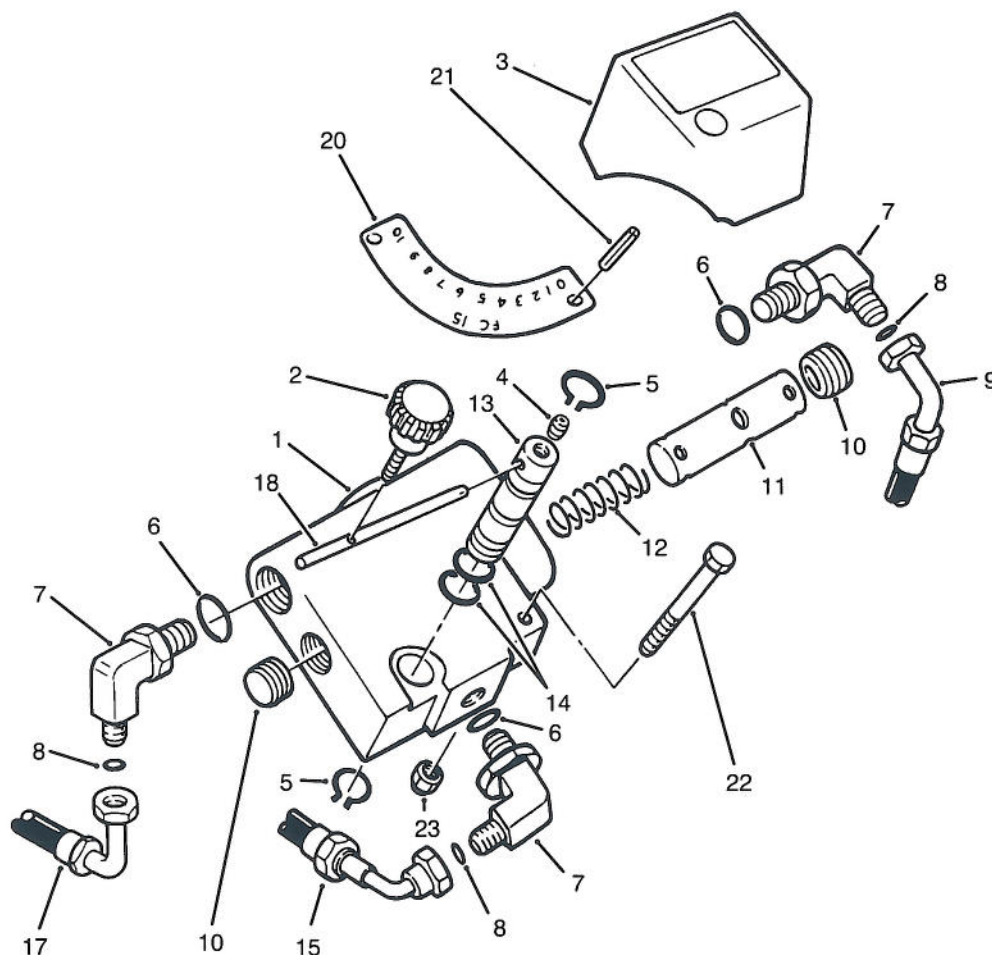


T-1671

FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32104-76	Screw - Self Tapping	5
2	94-2694	Cover - R.H.	1
3	3256-22	Washer - Flat	5
4	3274-91	Screw - Hex. Socket Hd.	3
5	28-4210	Solenoid - Starter	1
6	3254-1	Washer - Lock	2
7	3219-14	Nut - Hex.	2
8	3218-13	Nut - Jam	2
9	3253-4	Washer - Lock	2
10	321-3	Screw - Cap Hex. Hd.	4
11	28-1400	Battery	1
12	3217-5	Nut - Hex.	2
13	28-8080	Boot Terminal	1
14	32103-12	Nut - Wing	2
16	72-4790	Hold-Down - Battery	1
17	56-7720	Bolt - Battery	2
18	92-9164	Frame Assembly	1
19	83-0840	Fender - L.H.	1
20	46-8560	Screw - Self Taping	3
23	83-1430	Hose - Hydraulic	1
24	2412-34	Clamp - Hose	2
25	353-563	Fitting - Hydraulic Straight (Incl. Ref. #26)	1

Ref. No.	Part No.	Description	No. Used
26	237-101	Seal - O-Ring	2
27	44-5560	Head - Oil Filter	1
28	72-3850	Seal - Filter	1
29	74-3570	Filter - Hydraulic Oil (Incl. Ref. #28)	1
30	68-5880	Hose - Hydraulic	1
31	88-9710	Fitting - Hydraulic 90° (Incl. Ref. #26)	1
32	27-2380	Spacer	2
33	83-0830	Panel - Control Upper	1
34	3296-16	Nut - Lock	3
35	3256-23	Washer - Flat	4
36	322-4	Screw - Cap Hex. Hd.	4
37	32149-2	Nut - Keps	2
38	83-2540	Decal - Traction	1
39	67-1300	Decal - TORO	1
40	237-143	Grommet	2
41	237-80	O-Ring	1
42	340-105	Fitting - Hydraulic 90° (Incl. Ref. #41 & 43)	1
43	237-30	Seal - O-Ring	1
44	92-1188	Hose - Hydraulic	1



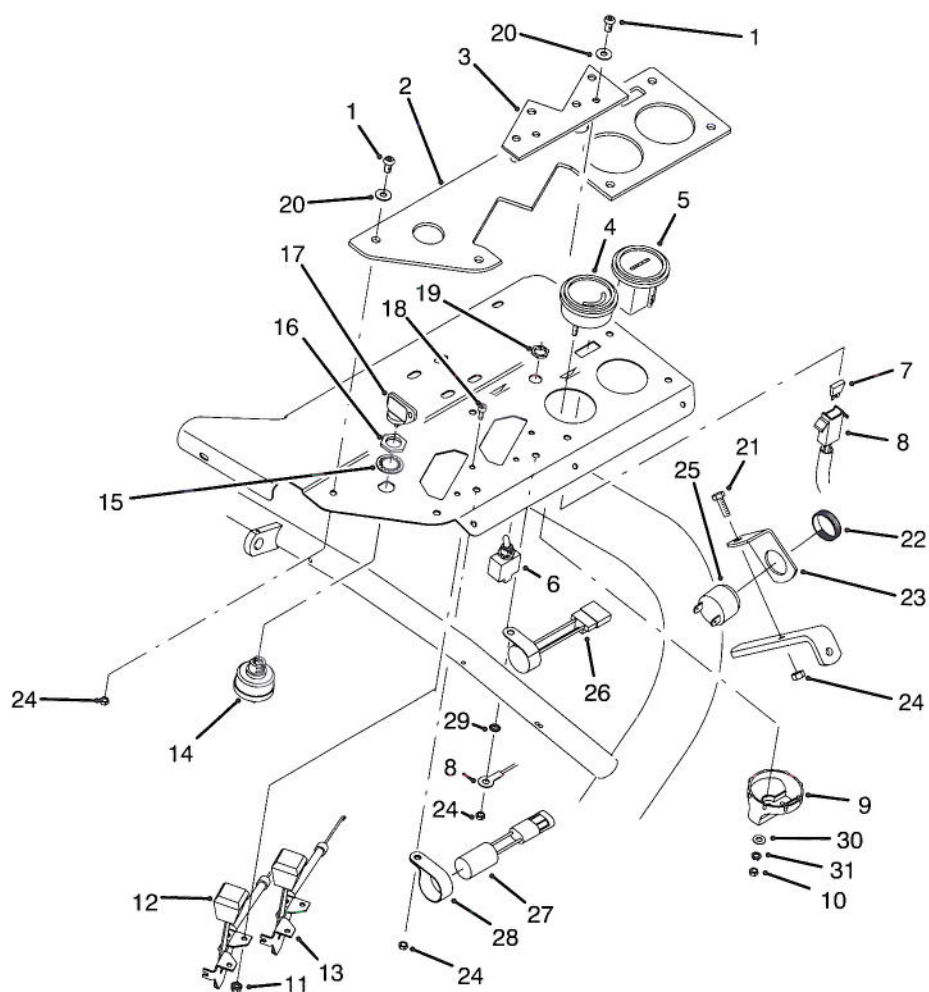
T-1441

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)	3
8	237-30	Seal - O-Ring	3
9	92-1189	Hose - Hydraulic	1
10	49-0300	Plug - Pipe	2
11	49-0370	Spool - Metering	1
12	49-0340	Spring - Metering	1

Ref. No.	Part No.	Description	No. Used
13	66-1660	Spool - Lever Side	1
14	237-54	Seal - O-Ring	2
15	83-2270	Hose - Hydraulic	1
17	92-1188	Hose - Hydraulic	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

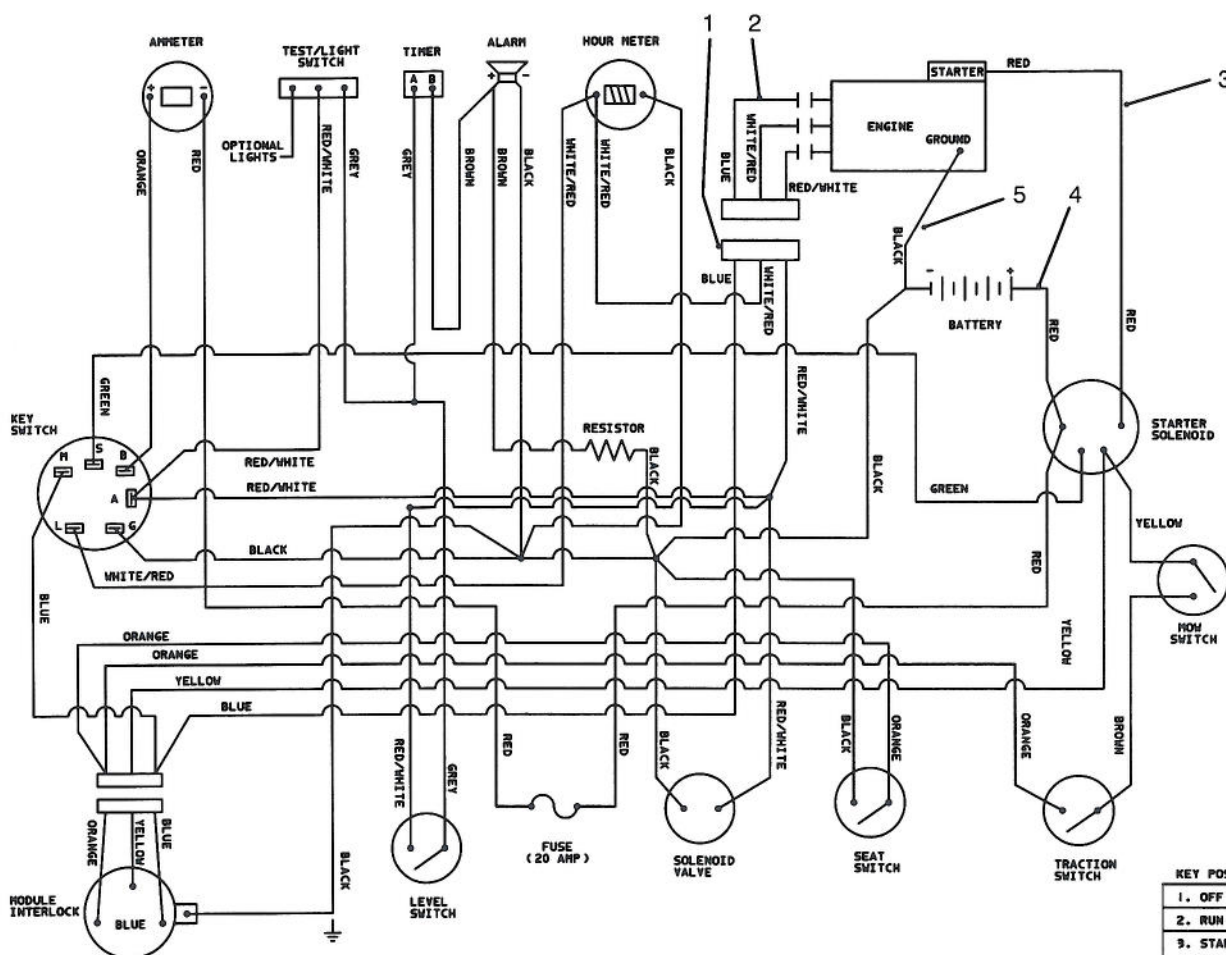
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T-1296

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-69	Screw - Hex. Socket Hd.	8	16	218-461	Nut - Hex.	1
2	83-2570	Plate - Control Panel	1	17	63-8360	Key - Ignition	1
3	83-2030	Plate - Filler	1	18	3273-26	Screw - Hex. Socket Hd.	4
4	83-0820	Gauge - Ammeter	1	19		Nut - Hex.	2
5	66-2950	Gauge - Hourmeter	1	20	3256-1	Washer - Flat	8
6	83-1660	Switch Assembly (Incl. Ref. #19)	1	21	321-4	Screw - Cap Hex. Hd.	1
7	218-594	Fuse - 20 Amp	1	22		Retainer - Alarm	1
8	83-1100	Harness - Wire (Main)	1	23	83-1530	Bracket - Alarm	1
9	39-9600	Clamp - Mounting	1	24	3296-16	Nut - Lock	9
10	3219-14	Nut - Hex.	6	25	80-9330	Audio Alarm Assembly (Incl. Ref. #22)	1
11	3296-27	Nut - Lock	4	26	28-7890	Module - Interlock	1
12	83-0030	Control - Throttle	1	27	83-2280	Timer - Relay	1
13	83-0040	Control - Choke	1	28	2412-39	Clamp - R	1
14	83-0020	Ignition Switch Assembly (Incl. Ref. #15-16)	1	29	3255-7	Washer - Lock	1
15	3254-5	Washer - Lock	1	30	3256-21	Washer - Flat	2
				31	3254-1	Washer - Lock	2

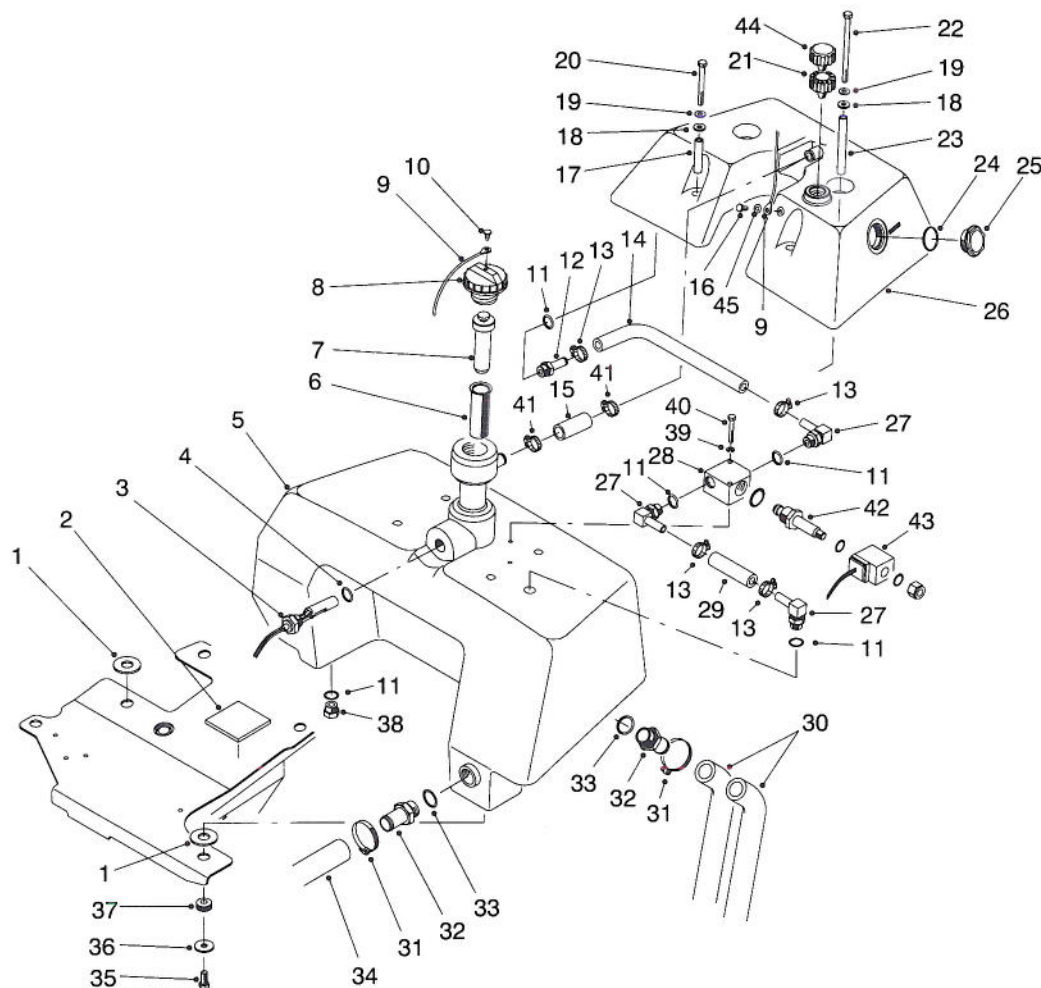


T-1301

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 - Solenoid-Starter	1

Ref. No.	Part No.	Description	No. Used
4	83-2420	Wire - Solenoid-Battery	1
5	83-1150	Wire - Engine Ground	1

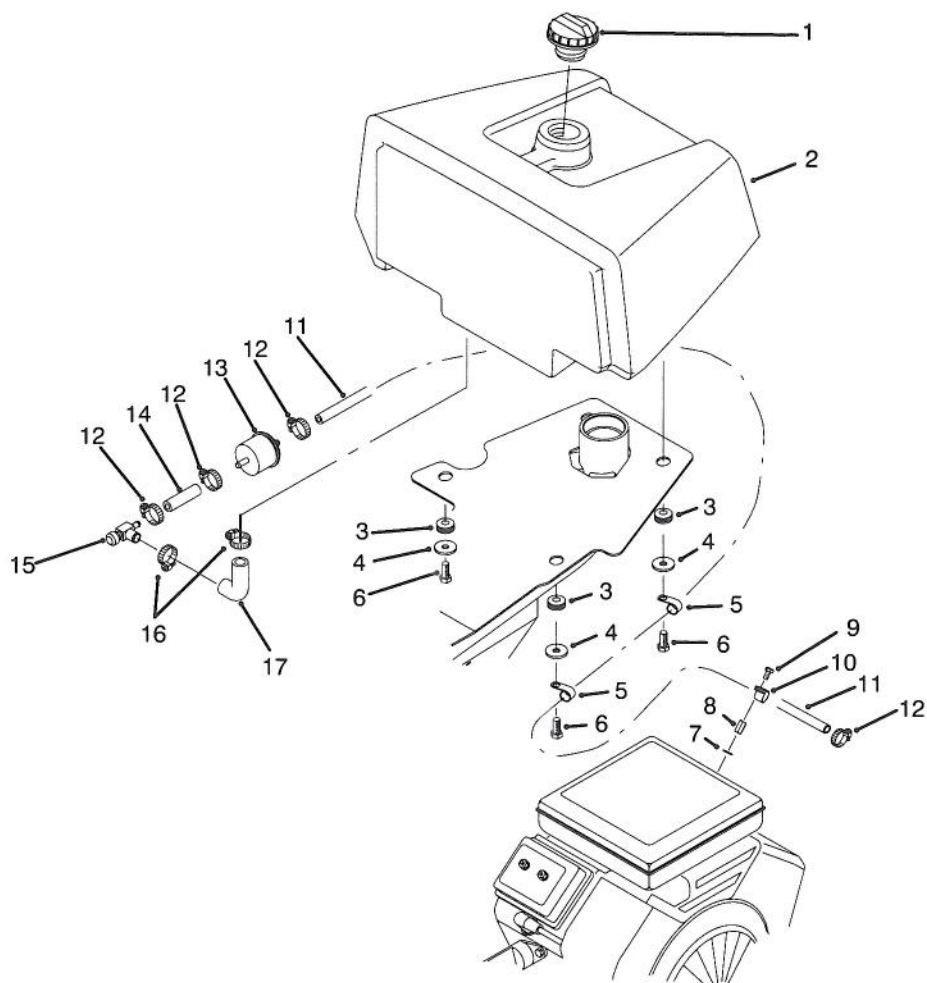


T-1289

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	92-8966	Reservoir - Hydraulic	1
6	83-1520	Screen - Filler	1
7	92-4063	Plug - Filler Cap	1
8	93-7160	Cap - Hydraulic Reservoir (Incl. Ref. #9 & 10)	1
9	75-0540	Tether - Cap	1
10	2410-73	Retainer - Tether	1
11	237-79	Seal - O-Ring	5
12	92-1665	Fitting - Hydraulic Straight (Incl. Ref. #11)	1
13	2412-36	Clamp - Hose	4
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	3256-71	Washer - Flat	4
20	322-14	Screw - Cap Hex. Hd.	2
21	92-8020	Adapter - Breather	1
22	322-29	Screw - Cap Hex. Hd.	2
23	83-1560	Spacer - Tank (Long)	2
24	237-123	Seal - O-Ring	1

Ref. No.	Part No.	Description	No. Used
25	83-2250	Gauge - Sight (Incl. Ref. #24)	1
26	92-1666	Tank - Auxiliary Hydraulic	1
27	354-120	Fitting - Hydraulic 90° (Incl. Ref. #11)	3
28	83-1460	Solenoid Valve Assembly (Incl. Ref. #42 & 43)	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
41	2412-141	Clamp - Hose	2
42	83-2000	Spool - Valve	1
43	83-2010	Coil - Valve	1
44	68-6150	Breather	1
45	3256-22	Washer - Flat	1

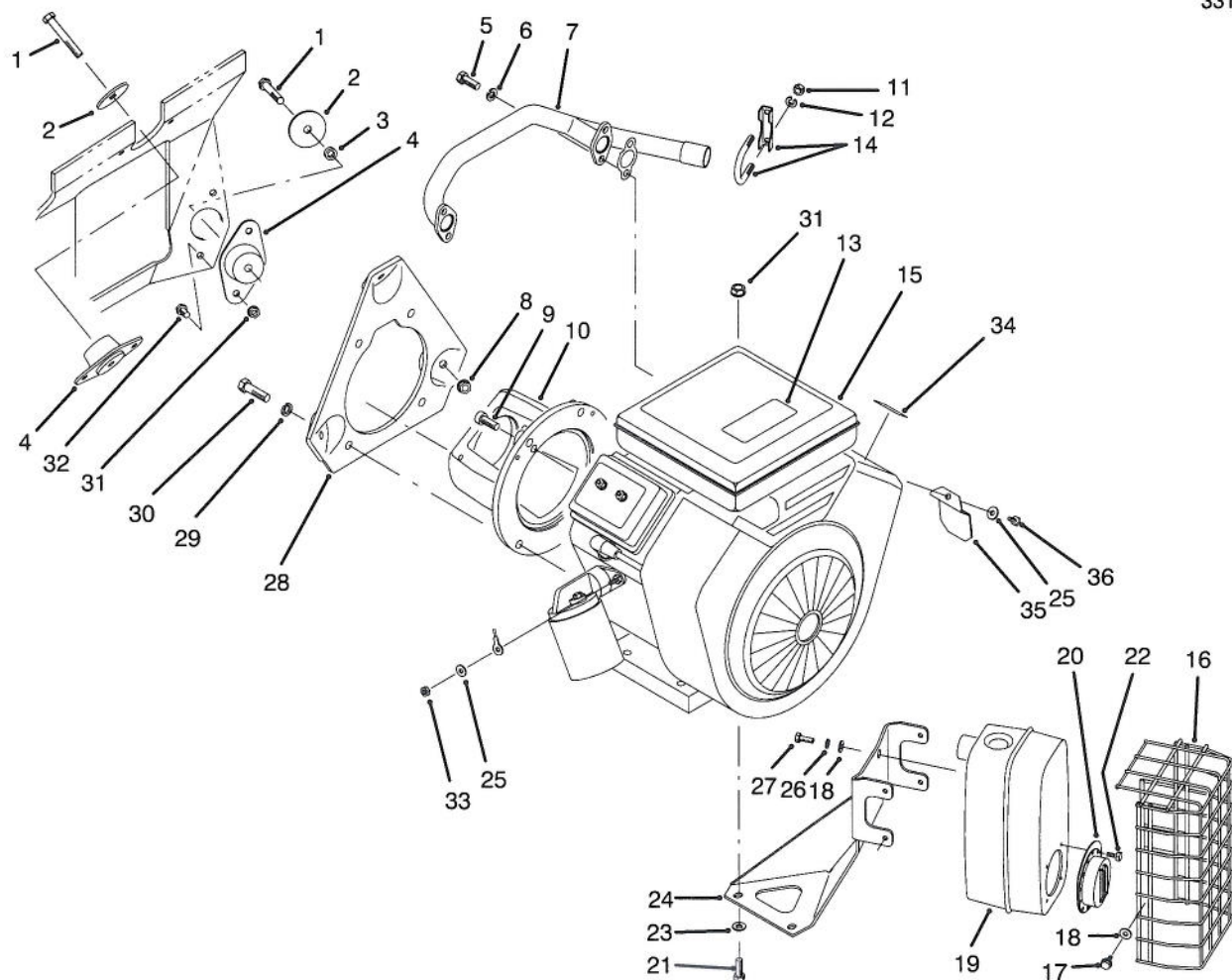


T-1317

FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93-3101	Cap - Fuel	1
2	92-7189	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	94-2690	Filter - Fuel	1
14	83-2040	Hose - Fuel	1
15	83-1390	Fitting - Fuel Shut-Off	1
16	2412-36	Clamp - Hose	2
17	56-2230	Hose - Fuel	1



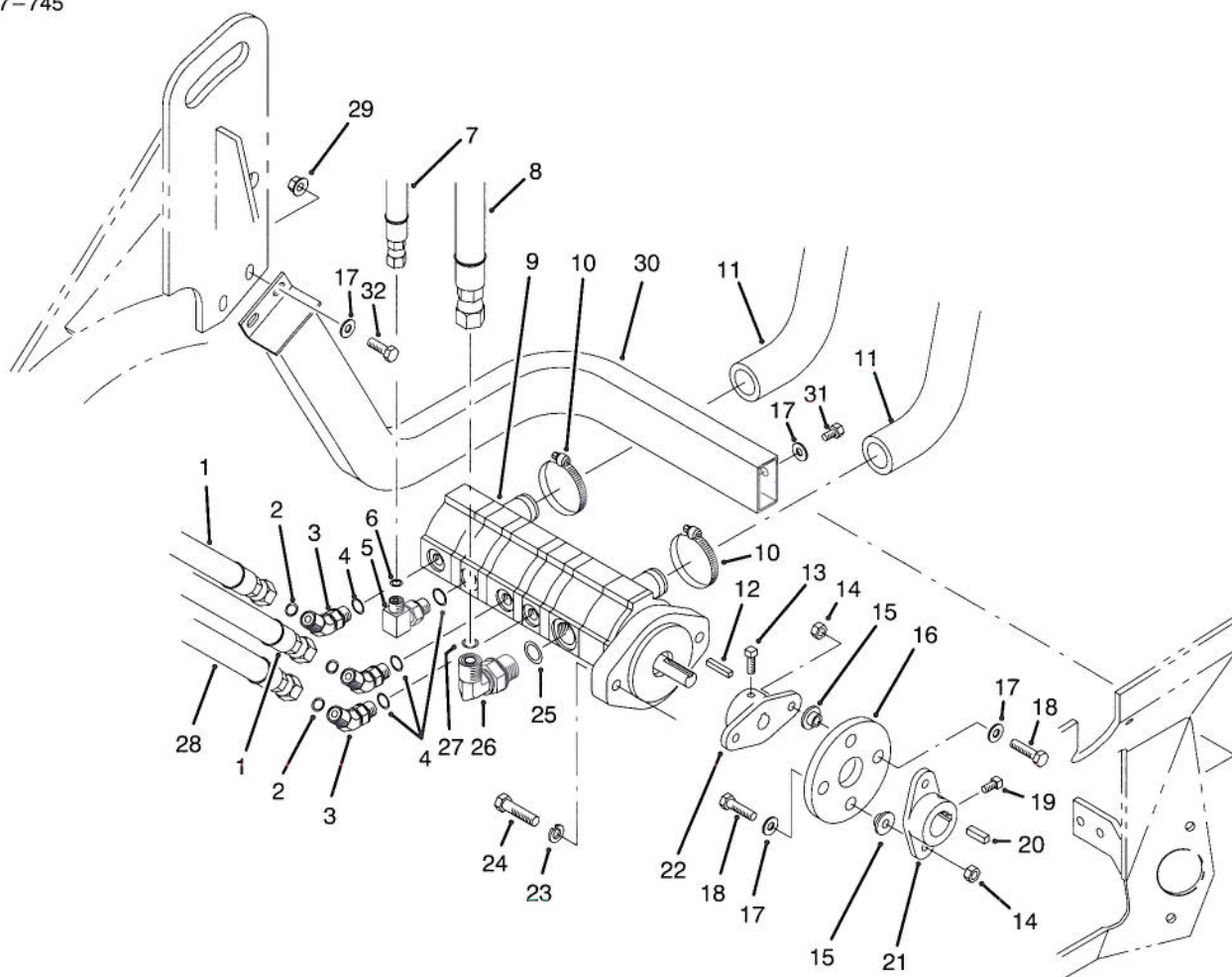
T-1293

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 (Incl. Ref. #5 & 6)	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
*	83-2240	Arrestor - Spark (Optional)	1

Ref. No.	Part No.	Description	No. Used
20	83-2220	Deflector - Exhaust	1
21	322-8	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	2
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	324-7	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	48-7620	Screw - Cap Hex. Hd.	1
*	3290-378	Tie - Cable	2
*	250-6	Tie - Cable	2

*Not Illustrated

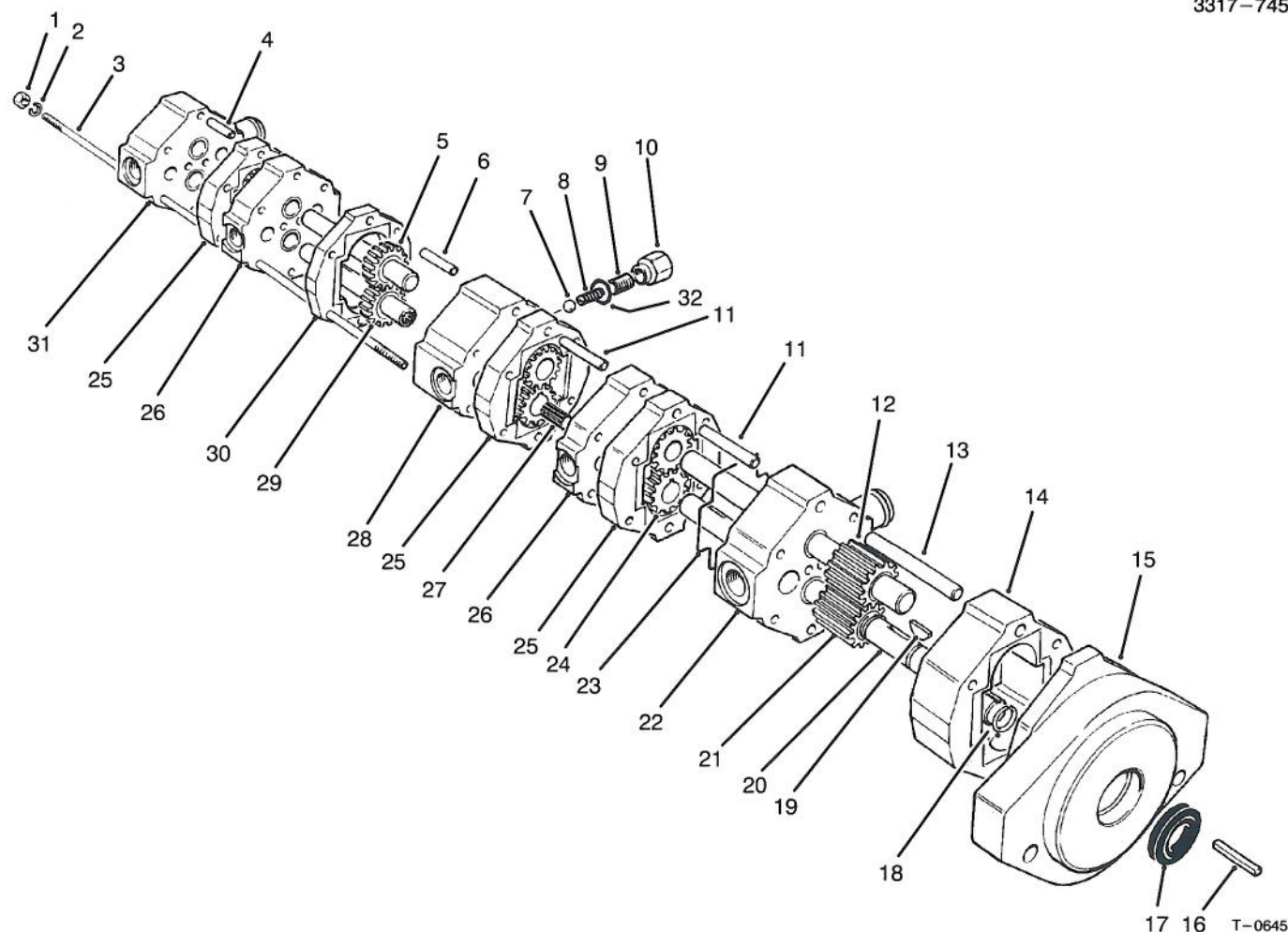


T-1292

HYDRAULIC PUMP INSTALLATION ASSEMBLY

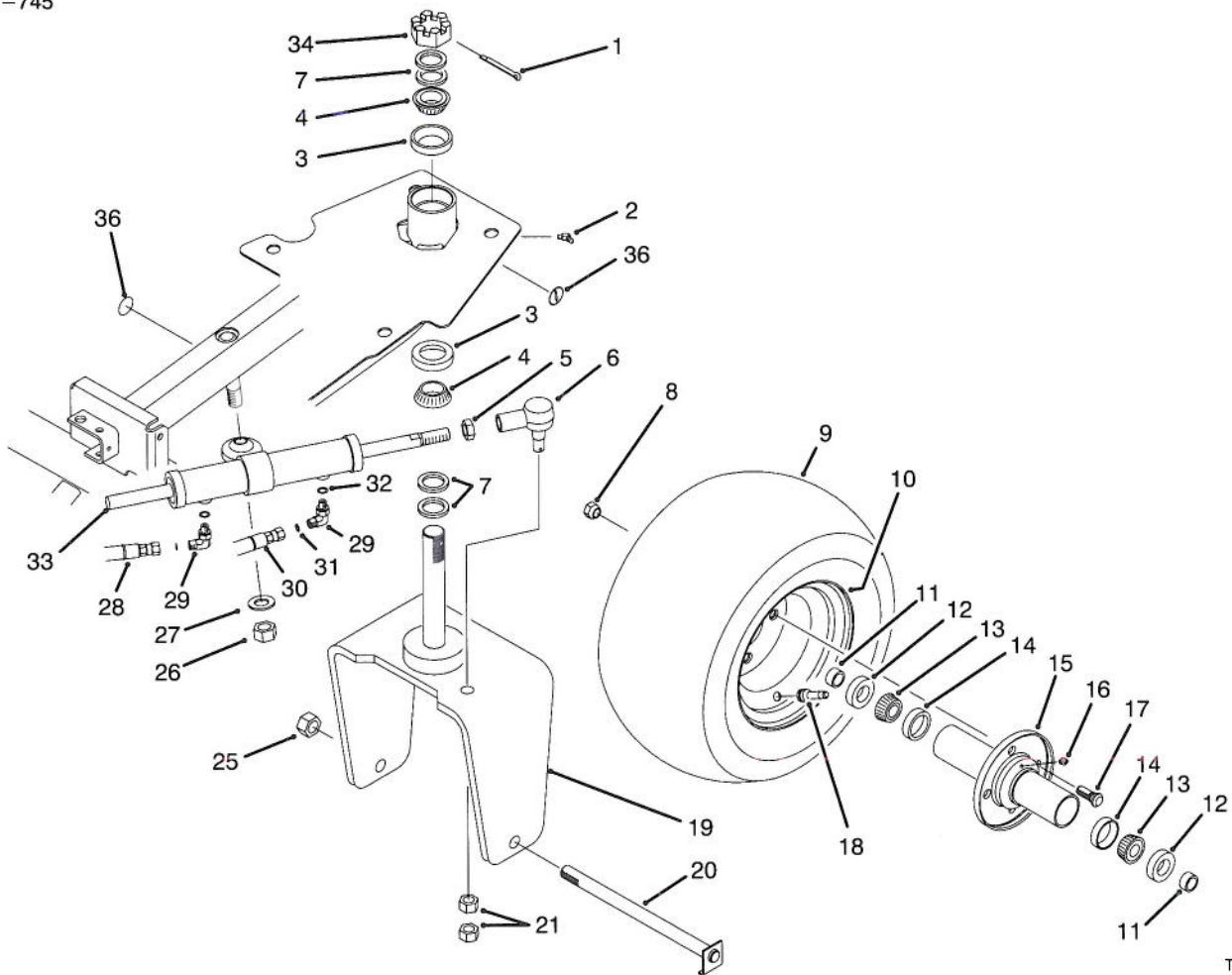
Ref. No.	Part No.	Description	No. Used
1	83-1190	Hose - Hydraulic	2
2	237-22	Seal - O-Ring	3
3	340-87	Fitting - Hydraulic 45° (Incl. Ref. #2 & 4)	3
4	237-42	Seal - O-Ring	4
5	340-82	Fitting - Hydraulic 90° (Incl. Ref. #4 & 6)	1
6	237-21	Seal - O-Ring	1
7	84-8730	Hose - Hydraulic	1
8	83-2270	Hose - Hydraulic	1
9	92-9764	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

Ref. No.	Part No.	Description	No. Used
16	44-2230	Coupling - Rubber	1
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



HYDRAULIC PUMP 92-9764

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3217-6	Nut - Lock	4	18	353-886	Ring - Retaining	2
2	354-16	Washer - Lock	4	19	353-884	Key - Woodruff	4
3	354-17	Stud - Threaded	4	20	92-9772	Shaft - Drive	1
4	354-11	Pin - Dowel	2	21	92-9773	Gear - 66B	1
5	354-9	Idler Shaft - Gear Assy.	1	22	354-3	Bearing Plate Assembly	1
6	354-12	Pin - Dowel	2	23	353-922	Seal - Ring	10
7		Ball - Valve	1	24	353-967	Gear - 33B	6
8		Spring - Compression	1	25	353-969	Plate - Gear 33B	3
9		Adjuster - Valve	1	26	353-923	Bearing Plate Assembly	2
10		Cap - Adjuster, Valve	1	27	354-5	Adapter - Splined	1
11	354-13	Pin - Dowel	4	28	354-4	Bearing Plate Assembly (Incl. Ref. #7-10 & 32)	1
12	92-9774	Idler Shaft - Gear Assy.	1	29	354-8	Drive Shaft - Gear Assy.	1
13	354-14	Pin - Dowel	2	30	354-6	Plate - Gear 18B	1
14	353-919	Plate - Gear 66B	1	31	354-7	Cover Assembly	1
15	354-2	Body Assembly	1	32	354-35	Gasket	1
16	5-0946	Key - Square	1				
17	354-15	Seal - Shaft	1				

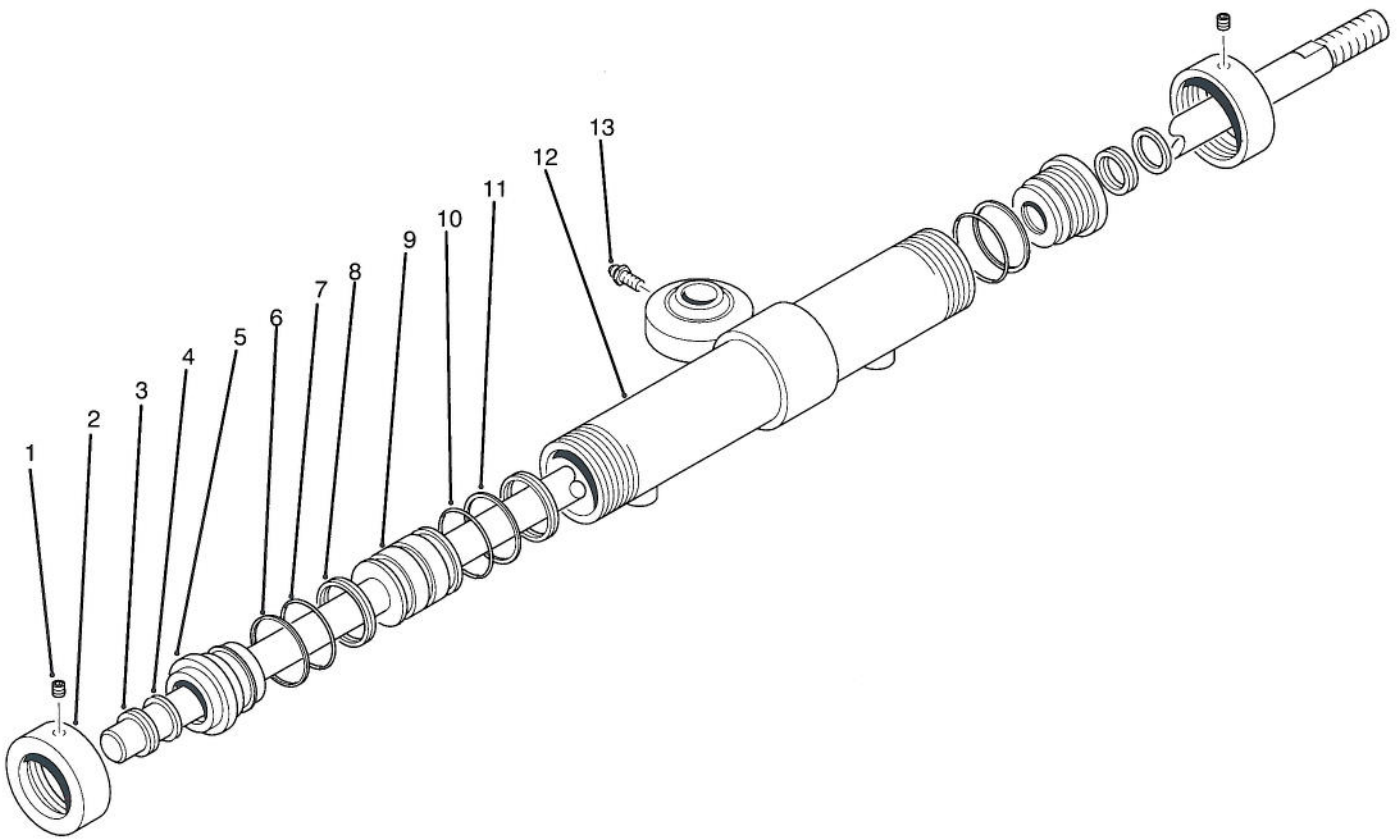


T-1288

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	84-5300	Nut - Jam	1
6	83-1640	Rod End Assembly	1
7	18-6320	Washer - Steering	4
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	93-2524	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
36	58-6520	Decal - Grease	2



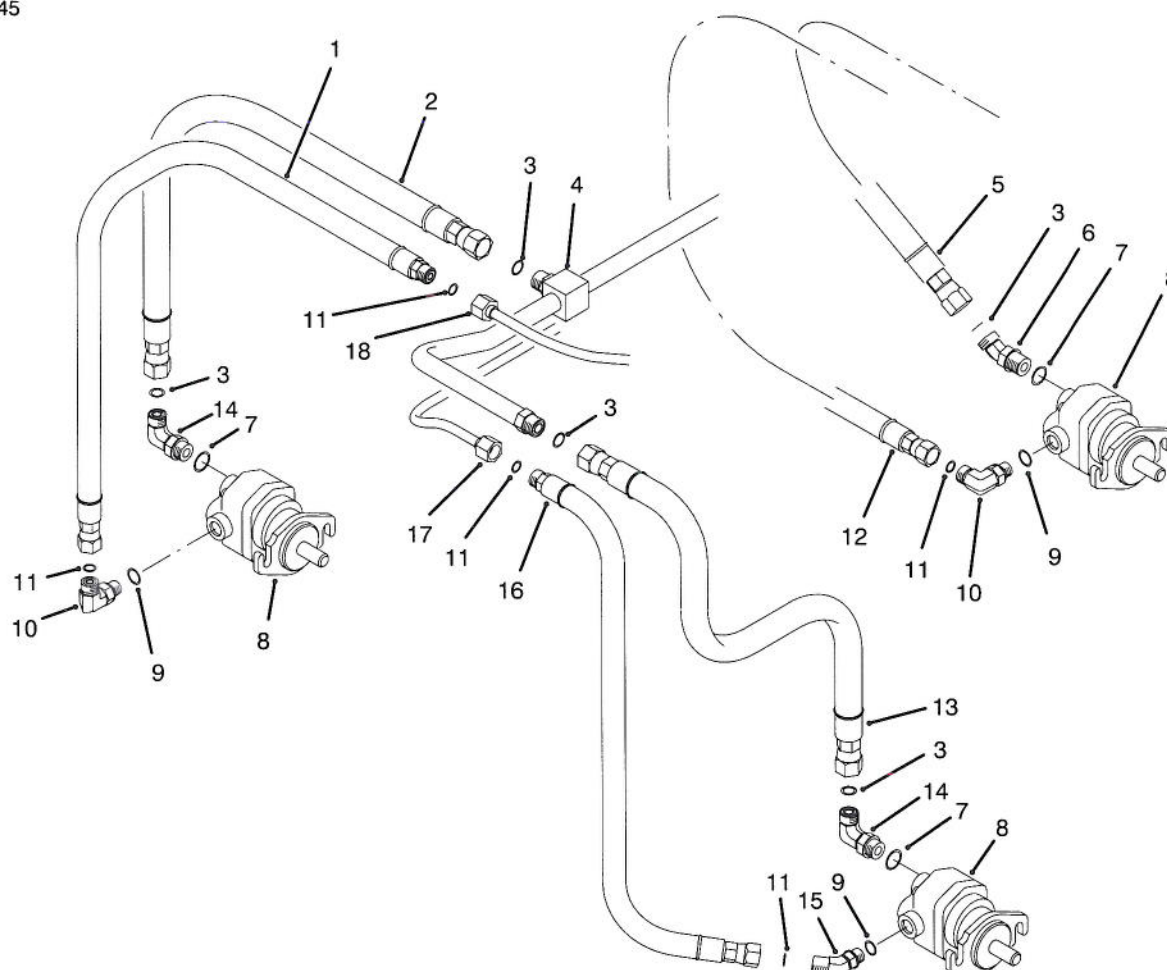
T-1313

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

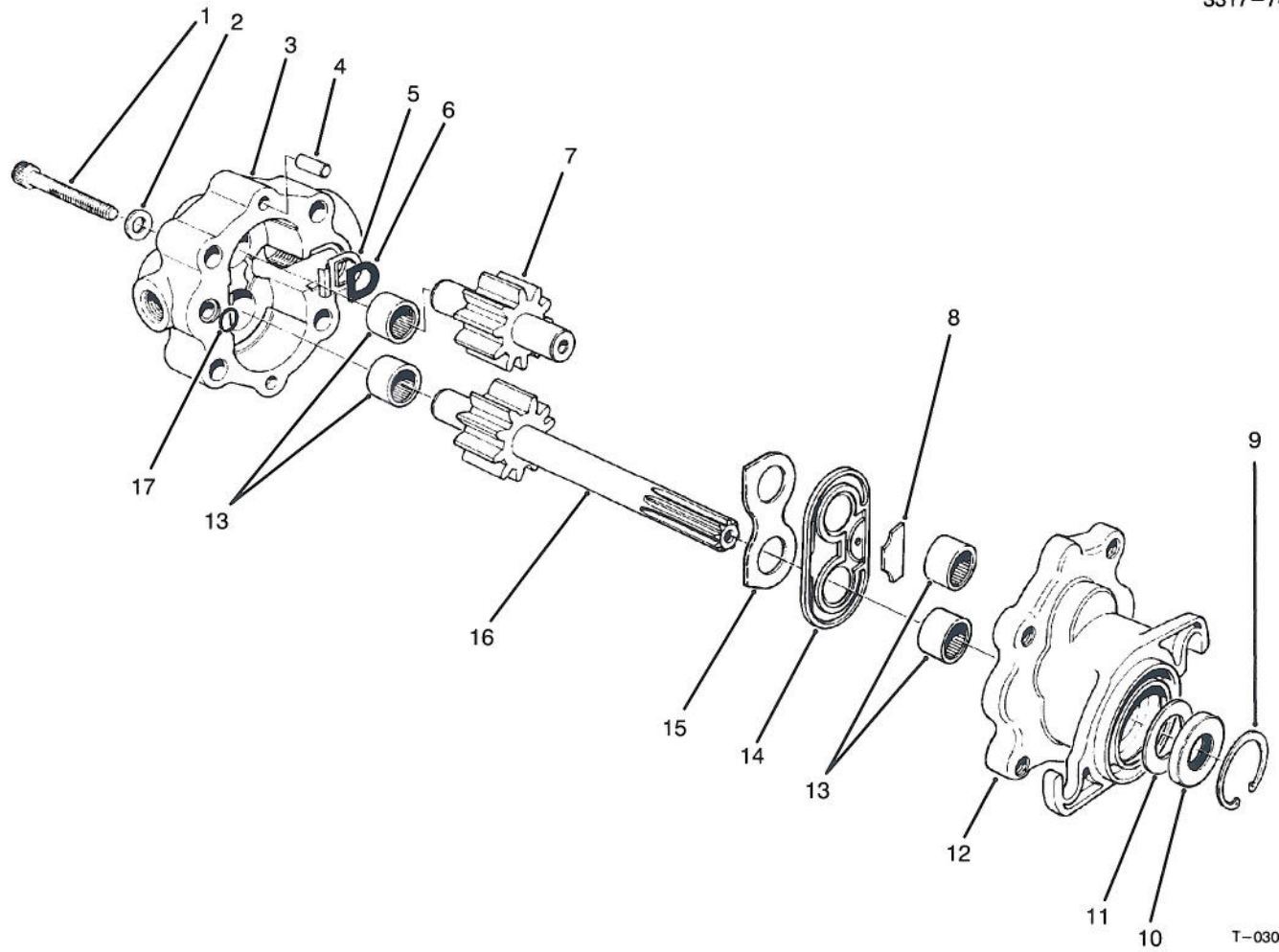


T-1297

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



T-0300

REEL MOTOR NO. 70-9800

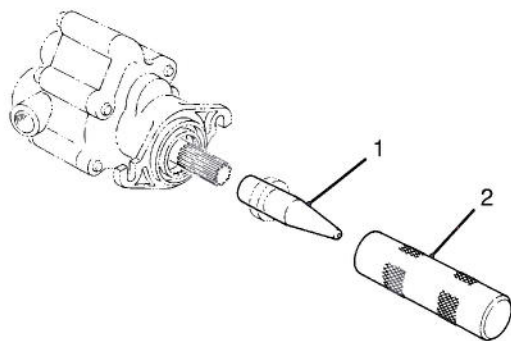
Ref. No.	Part No.	Description	No. Used
1	353-601	Screw - Hex Socket Hd.	4
2	353-600	Washer	4
3	353-588	Cover - Motor	1
4	353-599	Pin - Dowel	2
5	353-597	Bridging - Insert	1
6	353-598	Gasket - Insert	1
7	353-593	Idler Gear Assembly	1
8	353-591	Block - Anti-Extrusion	1
9	32151-41	Ring - Retaining	1
10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

SPECIAL TOOLS

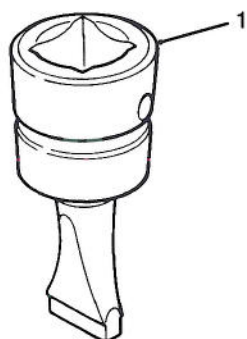
REEL MOTOR SEAL INSTALLATION TOOLS



T-0727

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

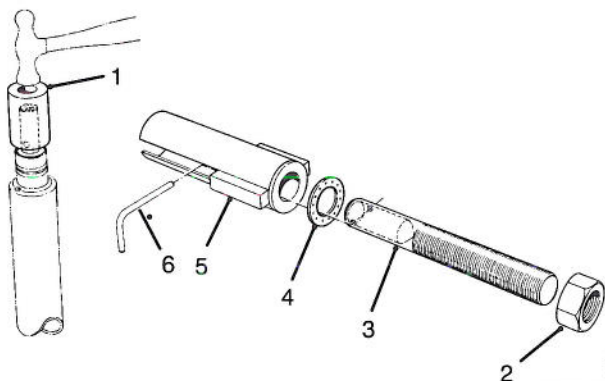
BED KNIFE SCREW TOOL NO. TOR510880



T-0729

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

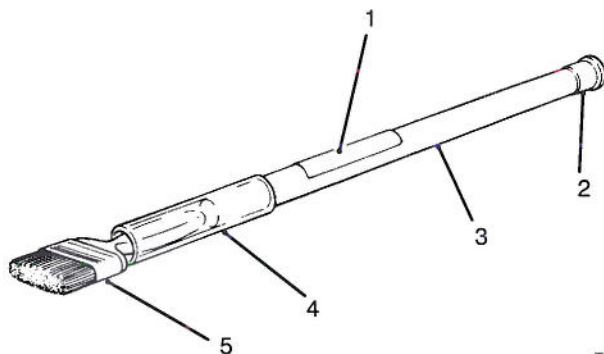
BEARING REPLACEMENT TOOL KIT NO. TOR238900



T-0730

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

BACKLAPPING BRUSH ASSEMBLY NO. 29-9100



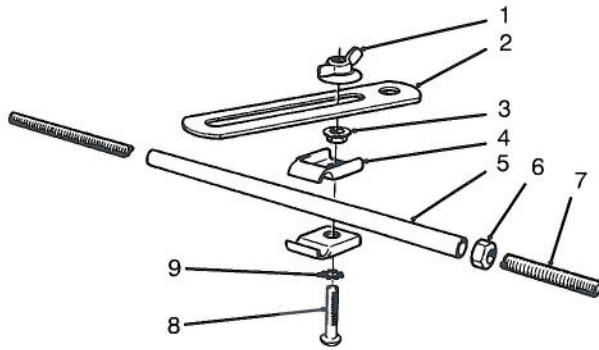
T-0731

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

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

SPECIAL TOOLS (Continued)

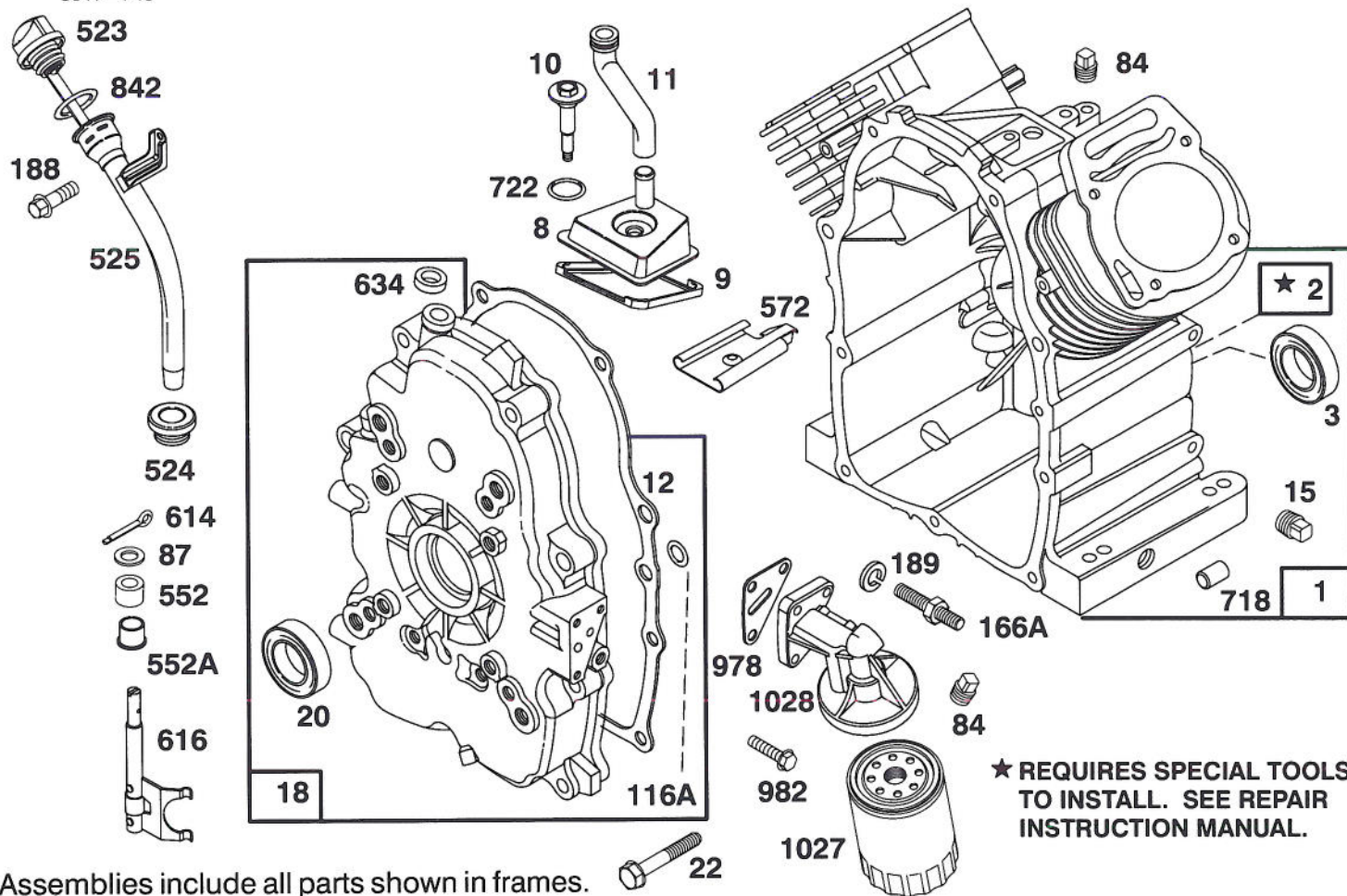
ALIGNMENT TOOL NO. TOR200120



T-0732

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

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



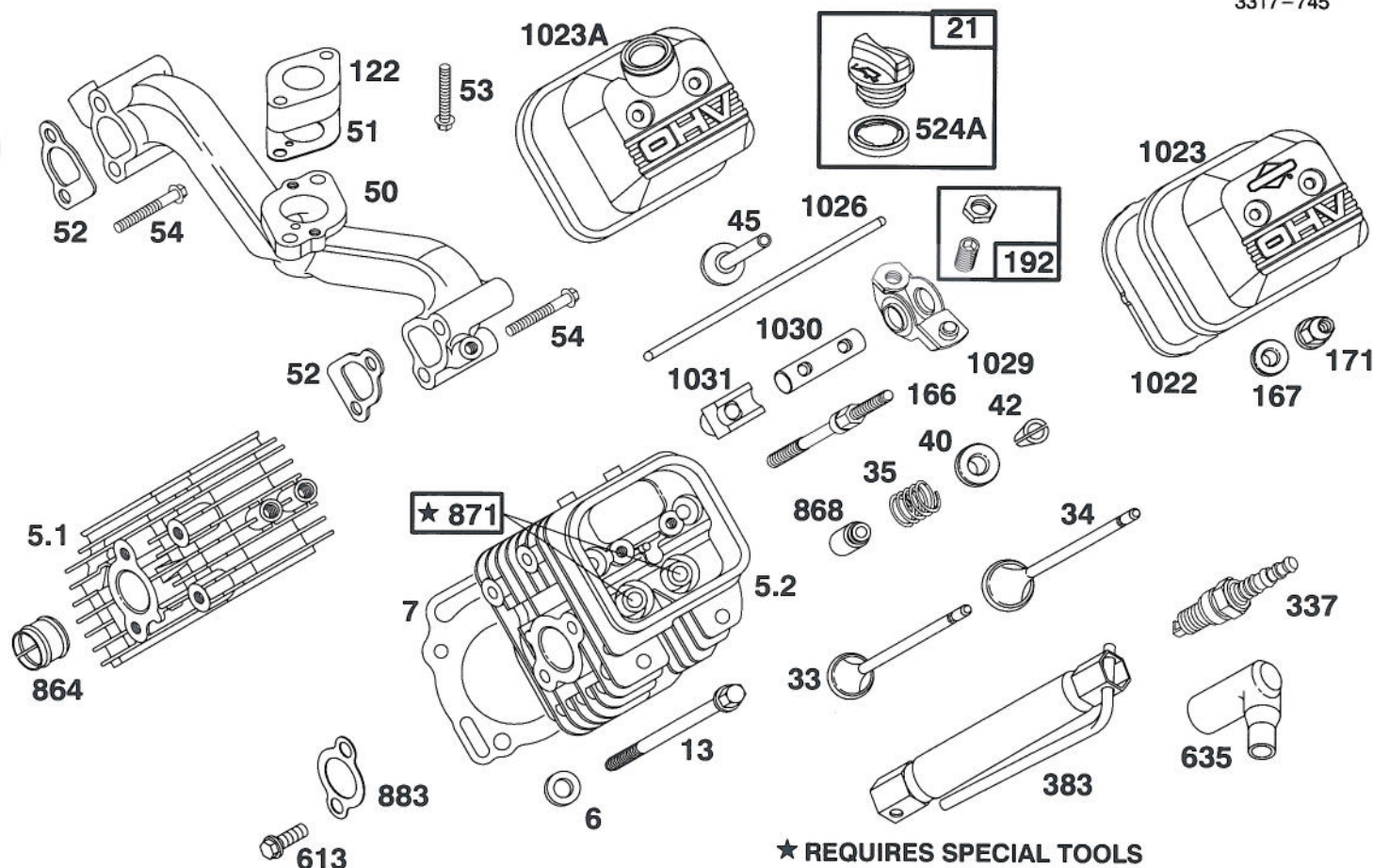
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0479-01

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	805696	Screw – Crankcase Cover	
84	91488	Plug – Pipe	
*87	805054	Seal – Governor Shaft	
*116A	805198	O-Ring (Crankcase Cover)	
166A	805073	Stud – Oil Filter Adapter	
188	805247	Screw – Hex. Head	

Ref. No.	Part No.	Description	No. Used
189	805449	Lockwasher	
523	807977	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	
*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	

*Included in Gasket Set – Part No. 807989.



Assemblies include all parts shown in frames.

★ REQUIRES SPECIAL TOOLS
TO INSTALL. SEE REPAIR
INSTRUCTION MANUAL.

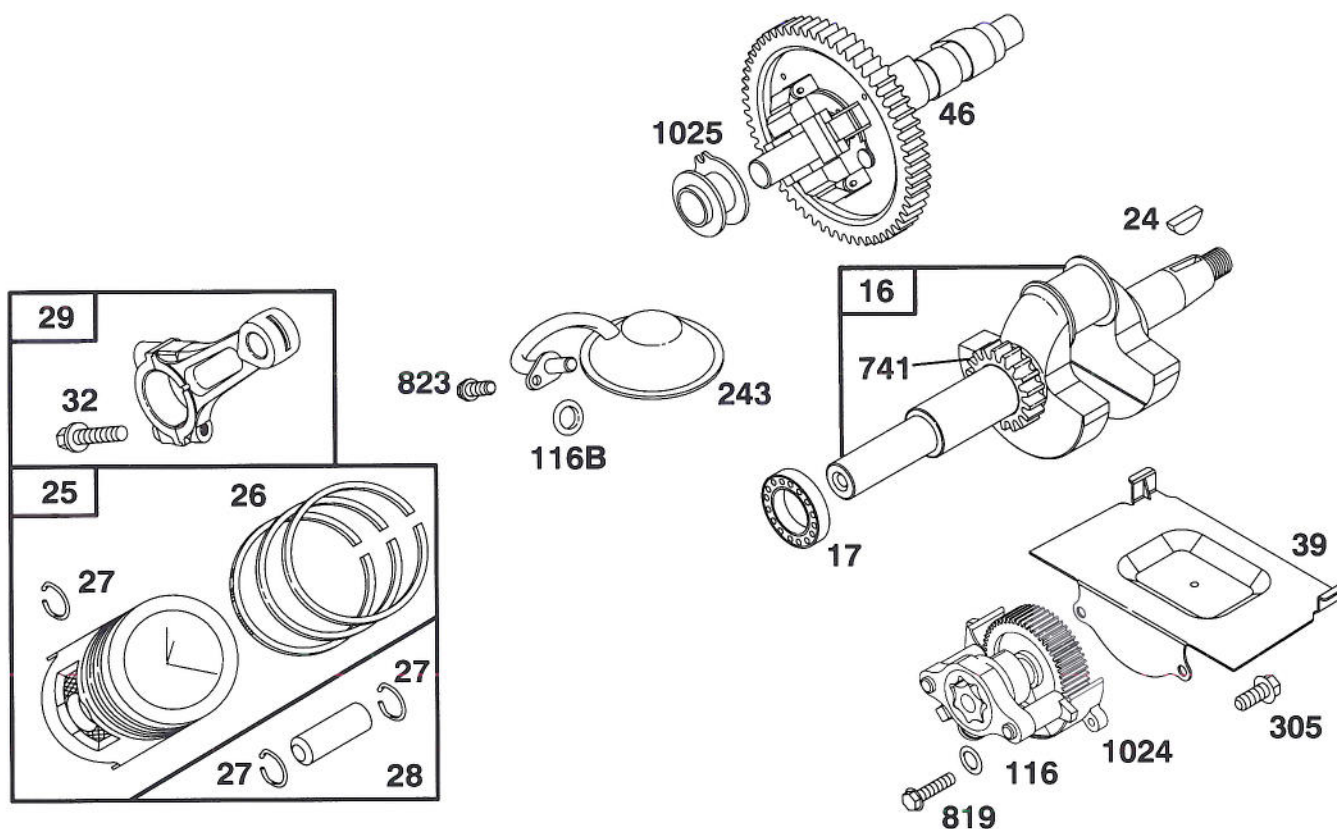
ENGINE BRIGGS & STRATTON MODEL 303447-0479-01

Ref. No.	Part No.	Description	No. Used
5.1	807987	Head – Cylinder (Cyl. #1)	
5.2	807988	Head – Cylinder (Cyl. #2)	
‡6	805193	Washer – Cylinder Head	
‡*7	807986	Gasket – Cylinder Head	
13	805097	Screw – Cylinder Head	
21	491832	Plug – Oil Fill (Cyl. #1)	
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	805772	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	496018	Plug – Spark	
383	19374	Wench – Spark Plug	
‡*524A	271983	Seal – Filler Plug	
613	805158	Screw	
635	805529	Elbow – Spark Plug	
864	805083	Liner – Exhaust Port	
868	805094	Seal – Valve Guide	
871	805084	Guide – Valve	
‡*883	805024	Gasket – Exhaust Manifold	
‡*1022	805028	Gasket – Valve Cover	
1023	805100	Cover – Valve	
1023A	808032	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. 807989.

‡Included in Valve Overhaul Kit – Part No. 807990.



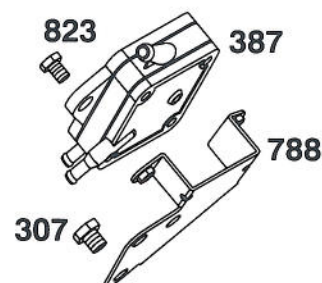
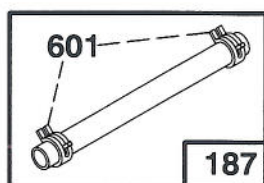
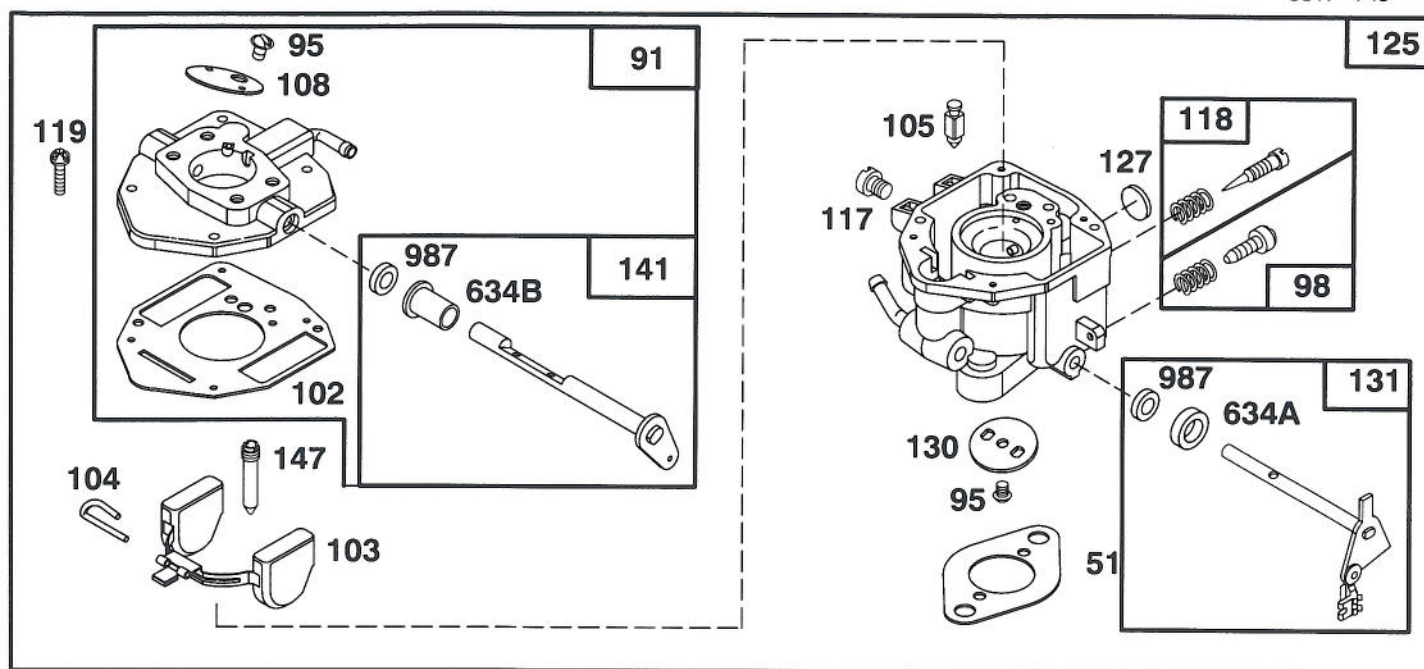
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0479-01

Ref. No.	Part No.	Description	No. Used
16	807589	Crankshaft Note: To Replace Crankshaft Gear Key – Order Part No. 94196. 807625 Thrust Washer	
17	805754	Bearing – Ball	
24	805016	Key – Flywheel	
25	807619	Piston Assembly (Standard)	
	807807	Piston Assembly .010 O.S.	
	807809	Piston Assembly .020 O.S.	
	807811	Piston Assembly .030 O.S.	
26	807620	Ring Set – Piston (Standard)	
	807808	Ring Set – Piston .010 O.S.	
	807810	Ring Set – Piston .020 O.S.	
	807812	Ring Set – Piston .030 O.S.	
27	805099	Lock – Piston Pin	
28	807621	Piston Pin Assembly	

Ref. No.	Part No.	Description	No. Used
29	807900	Connecting Rod Assembly Note: For Connecting Rod With .020" Undersize Crankpin Bore – Order Part No. 807803.	
32	805395	Screw – Connecting Rod	
39	805654	Plate – Windage	
46	807542	Gear – Cam	
*116	805058	O–Ring (Oil Pump)	
*116B	805316	O–Ring (Pick – Up Tube)	
243	807598	Screen – Oil Pump Pick-Up	
305	805406	Screw	
741	805675	Gear – Timing	
819	805057	Screw	
823	805317	Screw – Mounting	
1024	807644	Oil Pump Assembly	
1025	805313	Slider – Governor	

*Included in Gasket Set – Part No. 807989.



Assemblies include all parts shown in frames.

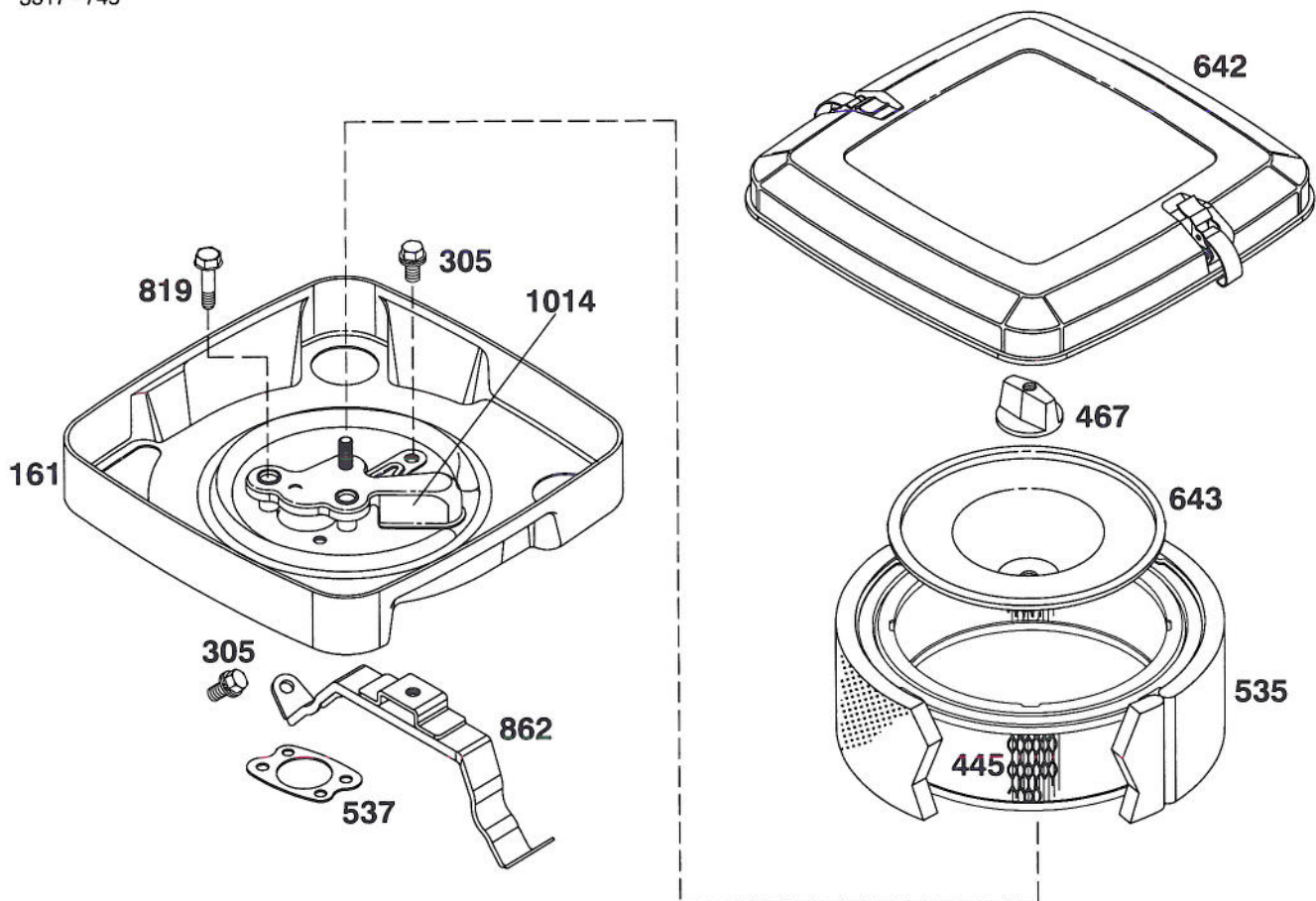
ENGINE BRIGGS & STRATTON MODEL 303447-0479-01

Ref. No.	Part No.	Description	No. Used
*51	805700	Gasket – Carburetor Mtg.	
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	805853	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)	
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 Kit – Part No. 807726.

*Included in Gasket Set – Part No. 807989.



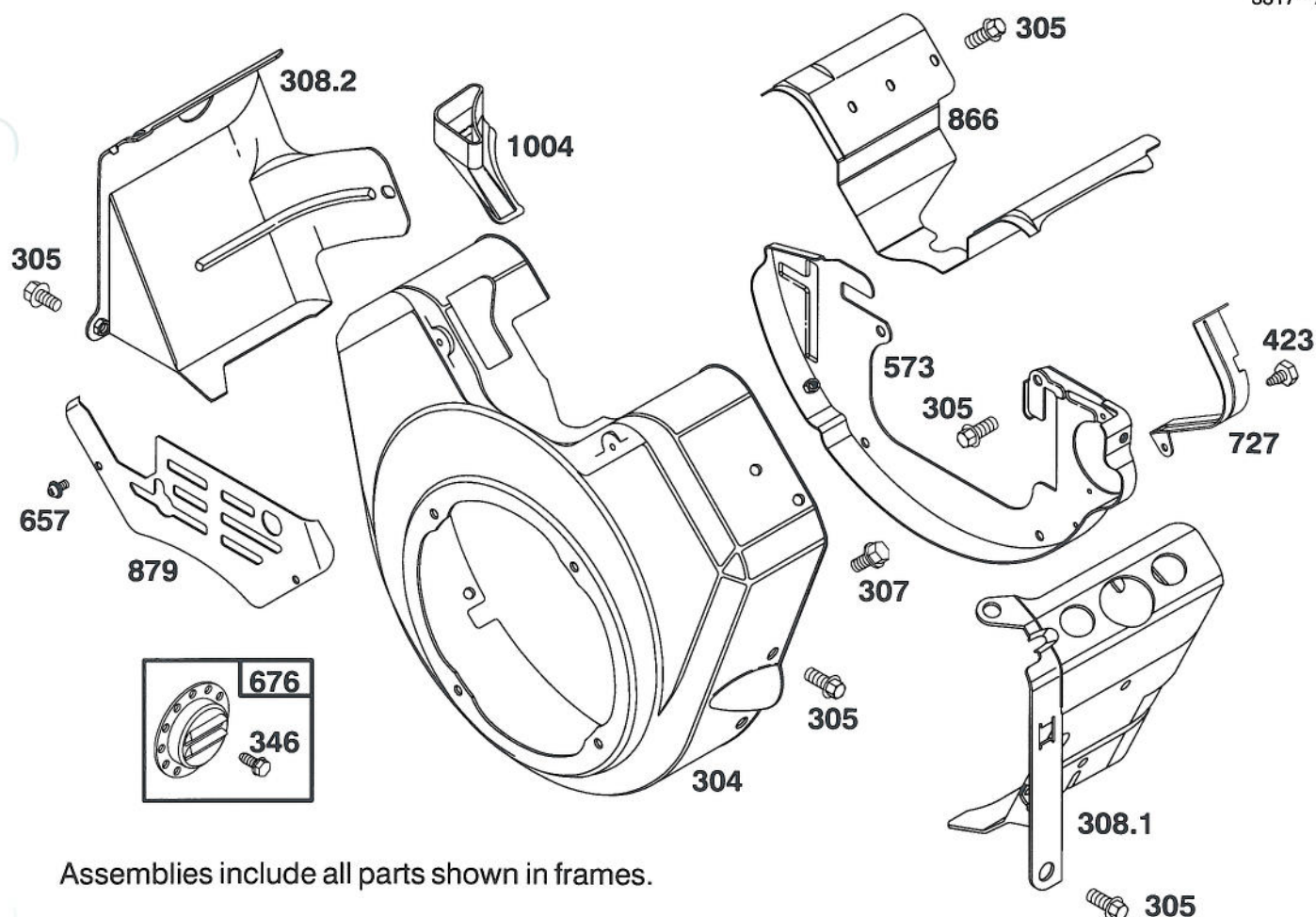
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0479-01

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	272490	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.	

*Included in Gasket Set – Part No. 807989.

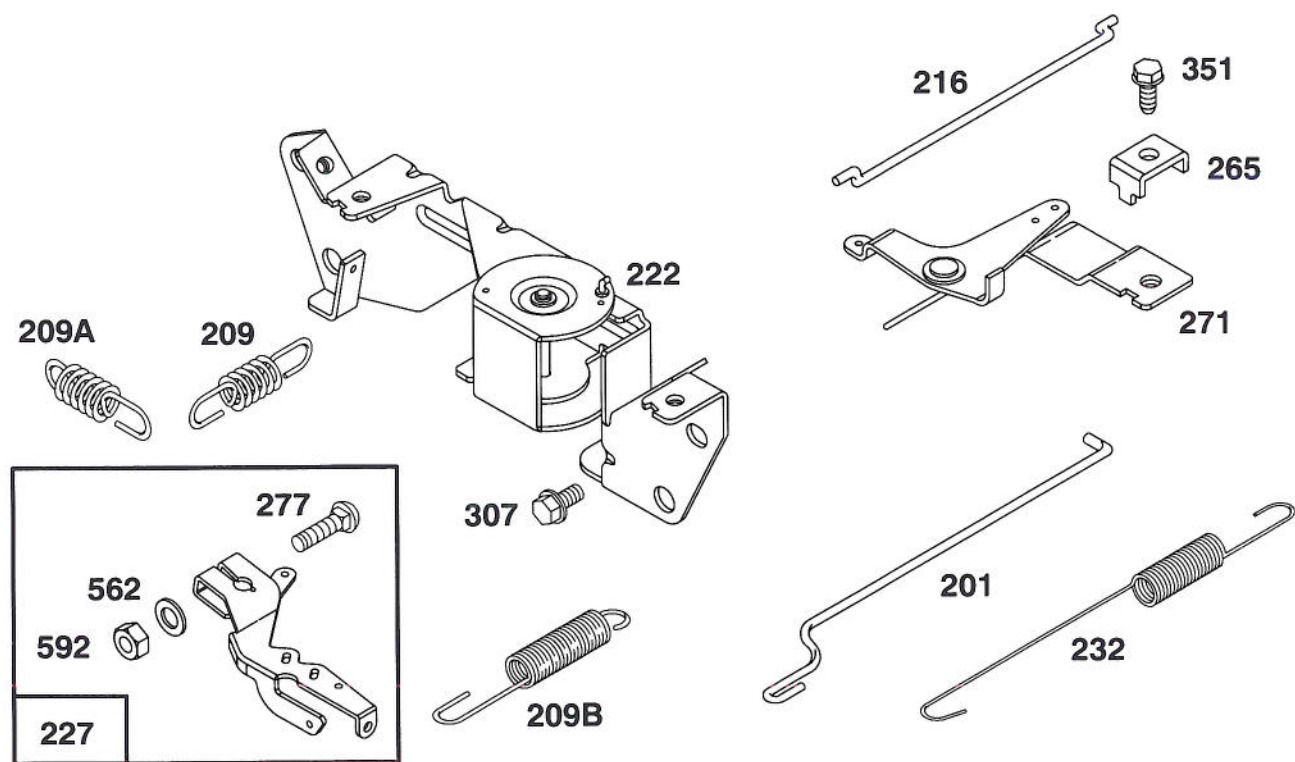


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0479-01

Ref. No.	Part No.	Description	No. Used
304	807898	Housing – Blower	
305	805406	Screw	
307	805025	Screw	
308.1	807868	Cover – Air Guide (Cyl. #1)	
308.2	807869	Cover – Air Guide (Cyl. #2)	
346	93705	Screw	
423	805260	Screw	

Ref. No.	Part No.	Description	No. Used
573	807663	Back Plate Assembly	
657	805009	Screw	
676	397630	Deflector–Exhaust	
727	805505	Shield – Starter	
866	805738	Valley Cover – Air Guide	
879	805841	Cover – Carburetor	
1004	805632	Tube – Air Inlet	

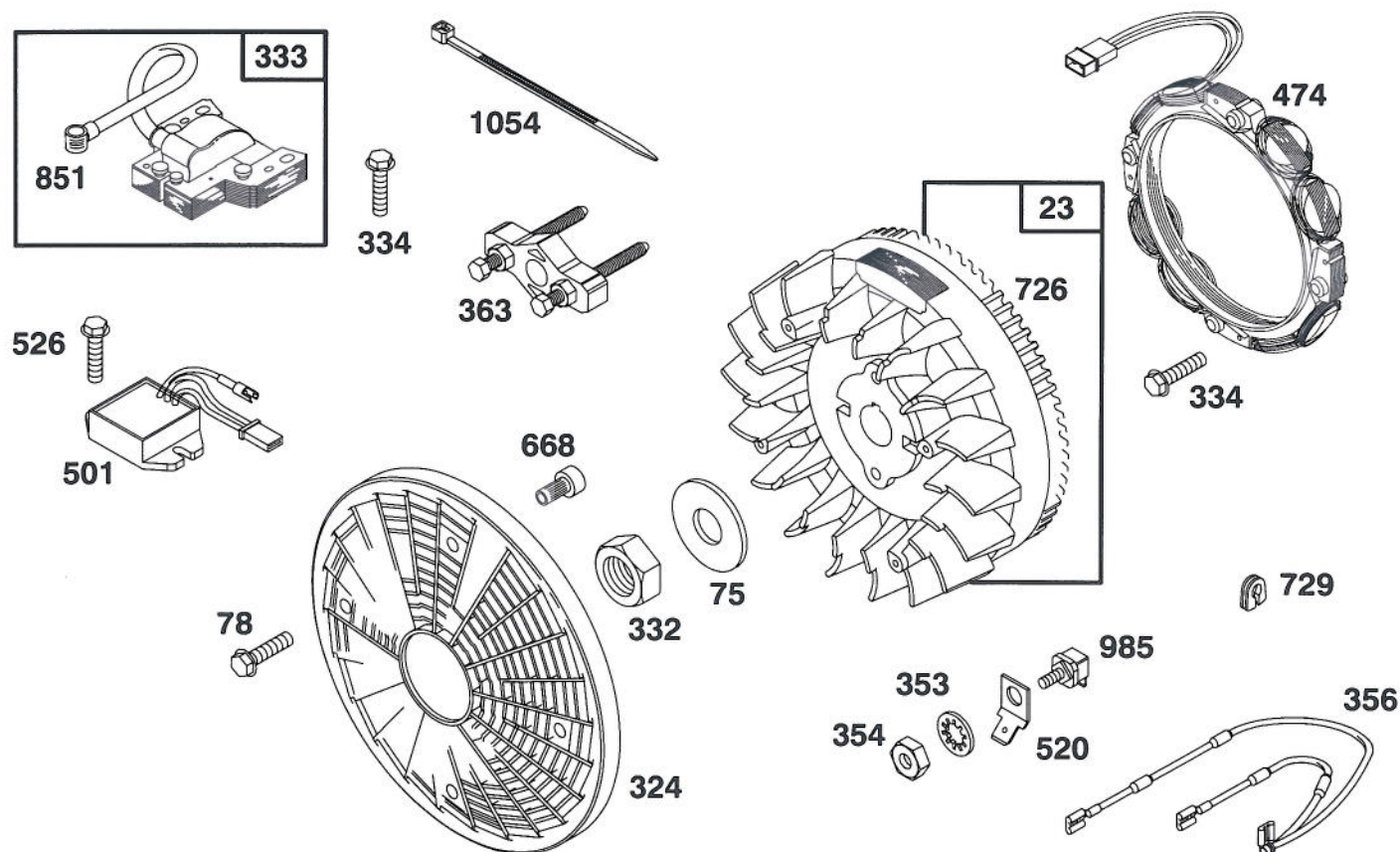


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0479-01

Ref. No.	Part No.	Description	No. Used
201	805480	Link - Governor	
209	805464	Spring - Governor	
209A	805453	Spring - Governed Idle	
209B	805450	Spring - Governed Idle (Secondary)	
216	805439	Link - Choke	
222	807610	Bracket - Governor Control	
227	807528	Lever Assembly - Governor	

Ref. No.	Part No.	Description	No. Used
232	805465	Spring - Governor Link	
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.	

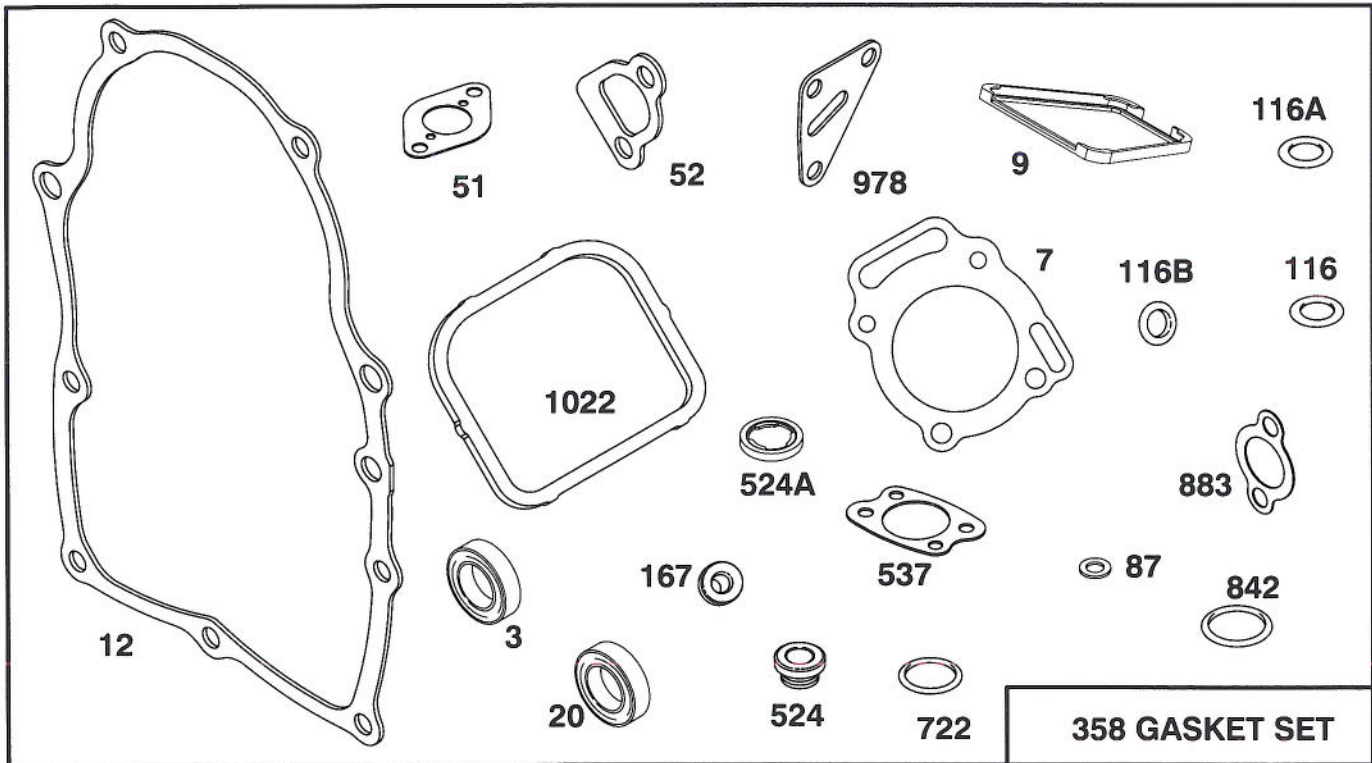


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0479-01

Ref. No.	Part No.	Description	No. Used
23	808128	Flywheel	
75	805007	Washer - Spring	
78	805447	Screw	
324	280829	Screen - Rotating	
332	805021	Nut - Hex	
333	492341	Armature - Magneto	
334	805407	Screw - Mounting	
353	92791	Lockwasher (Internal Tooth)	
354	90576	Nut - Hex.	
356	493792	Wire Assy.	
363	19203	Puller - Flywheel	

Ref. No.	Part No.	Description	No. Used
474	393295	Stator - Alternator	
501	394890	Regulator - Alternator	
520	93722	Terminal - Ground	
526	805448	Screw - Mtg.	
668	805402	Spacer	
726	808162	Gear - Flywheel Ring	
729	805641	Grommet	
851	221798	Terminal - Ignition Cable	
985	398525	Insulator	
1054	280275	Tie - Cable	



Assemblies include all parts shown in frames.

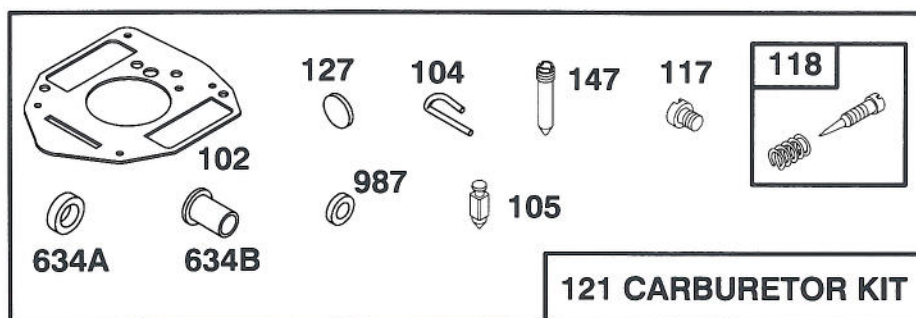
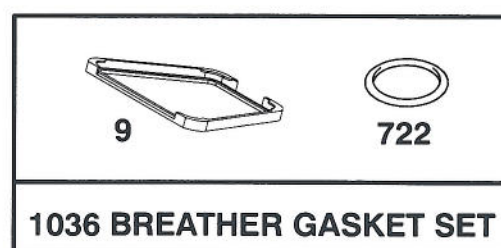
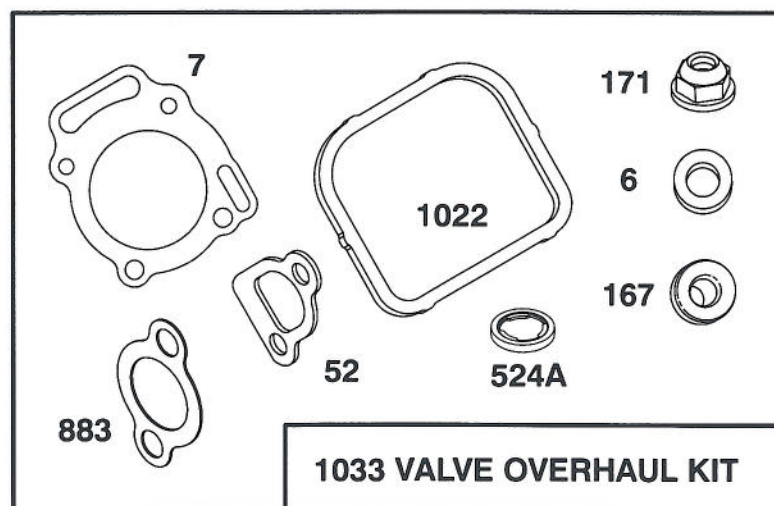
ENGINE BRIGGS & STRATTON MODEL 303447-0479-01

Ref. No.	Part No.	Description	No. Used
*3	805101	Seal – Oil	
*‡7	807986	Gasket – Cylinder Head	
*9	805379	Gasket – Breather	
*12	805112	Gasket – Crankcase Cover	
*20	805049	Seal – Oil	
*51	805264	Gasket – Carburetor Mtg.	
*‡52	805023	Gasket – Intake Manifold	
*87	805054	Seal – Governor Shaft	
*116	805058	O–Ring (Oil Pump)	
*116A	805198	O–Ring (Crankcase Cover)	
*116B	805316	O–Ring (Pick – Up Tube)	

Ref. No.	Part No.	Description	No. Used
‡*167	805420	Washer – Valve Cover	
358	807989	Gasket Set	
*524	805259	Seal – Filler Tube	
*‡524A	271983	Seal – Filler Plug	
*537	805655	Gasket – Air Cleaner	
*722	805483	Seal – Breather Screw	
*‡842	805386	O–Ring	
*883	805024	Gasket – Exhaust Manifold	
*978	805250	Gasket – Oil Filter Adapter	
*‡1022	805028	Gasket – Valve Cover	

*Included in Gasket Set – Part No. 807989.

‡Included in Valve Overhaul Kit – Part No. 807990.



Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0479-01

Ref. No.	Part No.	Description	No. Used
‡6	805193	Washer – Cylinder Head	
*‡7	807986	Gasket – Cylinder Head	
*9	805379	Gasket – Breather	
*‡52	805023	Gasket – Carburetor Mtg.	
†102	805541	Gasket – Intake Elbow	
†104	805545	Pin – Float Hinge	
†105	805547	Valve – Fuel Inlet	
†117	805548	Jet – Main	
†118	807719	Valve – Idle Adjusting Needle	
121	807726	Carburetor 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	
*‡524A	271983	Seal – Filler Plug	
†634A	805557	Collar – Throttle	
†634B	805543	Collar – Choke	
*722	805483	Seal – Breather Screw	
*‡883	805024	Gasket – Exhaust Manifold	
†987	805544	Seal – Shaft	
*‡1022	805028	Gasket – Valve Cover	
1033	807990	Overhaul Kit – Valve	
1036	807688	Gasket Set – Breather	

*Included in Gasket Set – Part No. 807989.

†Included in Carburetor Kit – Part No. 807726.

‡Included in Valve Overhaul Kit – Part No. 807990.

510

801

802

188

803

310

544

Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0479-01

Ref. No.	Part No.	Description	No. Used
188	805247	Screw - Hex. Head	
309	808106	Motor - Starting	
310	496880	Bolt - Thru	
510	496881	Drive - Starter	
544	496816	Armature - Starter	

Ref. No.	Part No.	Description	No. Used
801	496814	Cap Assy. - Drive	
802	496813	Cap Assy. - Commutator	
		Includes: 496887 Brush Set	
803	496815	Housing - Starter	

TORO PART NUMBER INDEX

3317-745

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-0348	Bushing - Sleeve	3 11 6	27-2380	Spacer	20 32 2
3-0348	Bushing - Sleeve	4 14 6	27-2540	Spacer - Hub	6 31 1
3-0348	Bushing - Sleeve	6 22 6	27-2550	Pin - Pivot	6 27 1
3-1506	Bushing - Flange	3 16 4	27-6600	Spacer - Coupling	28 15 4
3-1506	Bushing - Flange	4 30 4	28-1400	Battery	20 11 1
3-1506	Bushing - Flange	6 38 4	28-3680	Tire	8 2 2
3-4808	Nut - Wing	35 1 1	28-3680	Tire	30 9 1
3-6657	Clip - Skid	35 4 2	28-4210	Solenoid - Starter	20 5 1
3-6685	Spring - Compression	19 17 1	28-7890	Module - Interlock	22 26 1
5-0946	Key - Square	28 12 1	28-8080	Boot Terminal	20 13 1
5-0946	Key - Square	29 16 1	29-9080	Handle	34 3 1
5-1226	Washer - Shim	3 10 2	29-9090	Hose - Handle	34 4 1
5-1226	Washer - Shim	4 16 2	36-4310	Brush	34 5 1
5-1226	Washer - Shim	6 24 2	37-8130	Basket - Grass	2 * 3
5-3934	Bolt - Castor	30 20 1	38-0410	Nut - Hex.	14 53 1
8-7710	Ball Joint Receiver Assy.	4 4 2	38-0410	Nut - Hex.	16 59 1
8-7710	Ball Joint Receiver Assy.	6 4 2	39-9600	Clamp - Mounting	22 9 1
8-7710	Ball Joint Receiver Assy.	3 25 2	42-2680	Race R. Detent	13 46 1
10-6060	Pin - Lift Cylinder	3 7 1	43-2830	Nut - Hex	27 33 1
10-6060	Pin - Pivot	4 19 1	43-5220	Ring - Retaining	7 10 1
10-6090	Pin - Pivot	4 33 1	43-5230	Shaft & Clevis	7 11 1
10-6090	Pin - Pivot	3 37 1	43-5930	Washer - Lock	27 25 2
10-6090	Pin - Pivot	6 41 1	43-8600	Spring - Compression	19 21 1
10-6110	Pin - Hinge	3 3 1	43-8610	Seat - Ball	19 20 1
10-6110	Pin - Pivot	4 24 1	43-8620	Guide - Switch	19 23 1
10-6821	Brake Drum Assembly	8 * 2	43-8860	Plunger - Switch	19 22 1
10-6830	Stud - Drive	30 17 4	43-8870	Boot - Switch	19 26 1
10-6850	Drum - Brake	8 6 2	43-9071	Seat Switch Assembly	19 * 1
10-6870	Hub - Wheel	8 5 2	44-0870	Shaft - Cam	10 5 1
10-7070	Key - Square	28 20 1	44-2230	Coupling - Rubber	28 16 1
10-7820	Pivot Hinge Assembly	3 12 1	44-5560	Head - Oil Filter	20 27 1
10-7820	Pivot Hinge Assembly	4 25 1	46-8560	Screw - Self Taping	20 20 3
10-7820	Pivot Hinge Assembly	6 33 1	47-2890	Bushing - Sleeve	17 20 2
10-7850	Latch - Parking Brake	1 23 1	47-5320	Lever - Control	10 40 1
10-7880	Hinge - Upper	1 8 1	47-6640	Valve - Flow Control	21 * 1
10-7890	Hinge - Lower	1 22 1	47-6990	Nut - Steering Wheel	17 10 1
10-8100	Strap - Brake Shaft	1 31 2	48-7610	Screw - Cap Hex. Hd.	25 9 1
10-8110	Washer - Thrust	3 9 6	48-7620	Screw - Cap Hex. Hd.	27 36 1
10-8110	Washer - Thrust	4 15 6	49-0300	Plug - Pipe	21 10 2
10-8110	Washer - Thrust	6 23 6	49-0320	Plate - Dial	21 20 1
10-8140	Spring - Torsion	1 7 1	49-0340	Spring - Metering	21 12 1
11-0160	Roller Shaft Screw Assy.	3 14 2	49-0350	Handle	21 18 1
11-0160	Roller Shaft Screw Assy.	4 28 2	49-0360	Screw - Thumb	21 2 1
11-0160	Roller Shaft Screw Assy.	6 36 2	49-0370	Spool - Metering	21 11 1
12-3270	Screw - Hex. Washer Hd.	10 38 1	49-5430	Rod - Control	10 1 1
12-3270	Screw - Thread Forming	12 50 1	49-5430	Rod - Control	1 4 1
12-9140	Decal	34 1 1	49-5880	Shaft - Seat Support	19 27 1
18-6320	Washer - Steering	30 7 4	49-6110	Guard - Transfer Rod	1 6 1
20-0070	Tube	35 5 1	49-6120	Pad - Footrest	1 13 1
20-0080	Rod	35 7 1	49-6200	Lever - Cutting Control	2 42 1
20-0110	Bracket - Alignment	35 2 1	49-6220	Bracket - Control Arm	10 9 1
21-8470	Shaft - Roller	3 21 1	49-6250	Bracket - Traction Pivot	10 35 1
21-8470	Shaft - Roller	4 36 1	49-6260	Assy. - Pivot, Traction	10 21 1
21-8470	Shaft - Roller	6 44 1	49-6290	Shaft - Traction Pivot	10 37 1
22-6090	Washer - Thrust	34 4 1	49-6440	Pedal - Forward	10 42 1
23-8840	Puller - Bolt	34 3 1	51-0350	Pin - Seat Spring	19 16 1
23-8850	Tube - Support	34 5 1	51-0780	Slider - Seat	19 31 1
23-8860	Pin - Bearing Rplcmnt.	34 6 1	51-0790	Adjuster - Seat	19 6 1
23-8880	Driver - Bearing	34 1 2	52-1990	Piston	5 3 1
26-3790	Nut - Lock	8 4 2	52-2720	Roller Assembly	3 20 1
27-1960	Hub - Engine	28 21 1	52-2720	Roller Assembly	4 35 1
27-1970	Hub - Pump	28 22 1	52-2720	Roller Assembly	6 43 1
27-2270	Rod - Brake Adjusting	1 29 2	52-5860	Collar - Spool	16 51 1
27-2320	Bearing - Flange	10 7 2	52-5880	Ball - Steel	13 47 12
27-2320	Bearing - Flange	1 33 2	52-5900	Screw - Fillister Hd.	15 37 4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
52-9230	Ring - Retaining	18 2 1	70-7150	Hose - Hydraulic	12 48 1
52-9250	Needle Bearing Kit	18 * 1	70-8130	Barrel	7 1 1
52-9260	Screw - Set	18 26 1	70-8250	Drive	18 16 1
52-9270	Seat - Ball Check	18 24 1	70-8610	Hose - Hydraulic	12 51 1
52-9280	Ball - Check	18 22 1	70-9800	Reel Motor Assembly	32 8 3
52-9290	Retainer - Ball Check	18 21 1	70-9840	Shoe - Brake	8 8 4
56-2230	Hose - Fuel	25 17 1	70-9850	Clip - Retaining	8 23 2
56-7720	Bolt - Battery	20 17 2	70-9860	Cam - Brake	8 27 2
56-7970	Clamp Half - Tube	2 45 2	70-9870	Plate - Backing	8 10 2
57-6140	Clamp Half - Tube	8 20 2	70-9880	Spring - Return	8 7 4
57-6220	Link	10 17 5	71-0990	Orifice	11 43 1
57-7650	Spring - Torsion	4 11 1	71-1500	Brake Assembly	8 * 2
57-7650	Spring - Torsion	6 18 1	71-1510	Arm - Brake	8 24 2
57-7650	Spring - Torsion	3 32 1	72-3850	Seal - Filter	20 28 1
58-6520	Decal - Grease	30 36 2	72-4320	Switch - Ball	19 18 1
59-6730	Race - Bearing	18 8 2	72-4380	Seal Kit	33 * 1
59-6740	Bearing - Needle Thrust	18 9 1	72-4390	Repair Kit	33 *
59-6830	Centering Pin Kit	18 20 1	72-4790	Hold-Down - Battery	20 16 1
62-2390	Bar - Lift L.H.	3 30 1	74-0720	Tube - Manual	19 3 1
62-2420	Bar - Lift	6 8 1	74-3570	Filter - Hydraulic Oil	20 29 1
62-2420	Bar - Lift	4 9 1	74-3730	Spacer - Hub	30 11 2
62-2440	Lift Arm Assembly	4 8 1	74-3830	Hose - Hydraulic	32 12 1
62-2460	Lift Arm Assembly L.H.	3 29 1	74-3830	Hose - Hydraulic	11 28 1
63-3810	Hose - Hydraulic	32 1 1	74-9100	Pad - Forward Pedal	10 25 1
63-3820	Hose - Hydraulic	32 2 1	74-9110	Pad - Reverse Pedal	10 23 1
63-3830	Hose - Hydraulic	32 13 1	75-0540	Tether - Cap	24 9 1
63-3840	Hose - Hydraulic	32 5 1	75-9440	Hub - Wheel	30 15 1
63-3840	Hose - Hydraulic	11 36 1	76-0800	Seal Kit	9 * 1
63-3850	Hose - Hydraulic	11 31 1	76-0810	Housing Assembly	9 * 1
63-3850	Hose - Hydraulic	3 39 1	76-0840	Manifold	9 22 1
63-3870	Hose - Hydraulic	32 16 1	76-0850	Bearing - Thrust	9 12 1
63-3880	Hose - Hydraulic	11 18 2	76-0860	Shaft - Coupling	9 11 1
63-3880	Hose - Hydraulic	4 39 2	76-0870	Plate - Wear	9 18 1
63-4020	Tube - Hydraulic	32 17 1	76-0880	Commutator Assembly	9 * 1
63-4020	Tube - Hydraulic	11 40 1	76-0940	End Cover Assembly	9 24 1
63-4030	Tube - Hydraulic	32 18 1	76-1850	Clevis	5 13 1
63-4030	Tube - Hydraulic	11 41 1	76-1860	Shaft	5 6 1
63-4040	Hydraulic Tube Assembly	32 4 1	77-0480	Screw - Traction Stop	10 34 1
63-4040	Tube - Hydraulic	11 35 1	80-9330	Audio Alarm Assembly	22 25 1
63-4050	Fitting - Tee	11 42 2	83-0010	Engine Assembly	27 15 1
63-8360	Key - Ignition	22 17 1	83-0020	Ignition Switch Assembly	22 14 1
63-8410	Washer - Flat	25 4 4	83-0030	Control - Throttle	22 12 1
63-8410	Washer - Flat	24 36 3	83-0040	Control - Choke	22 13 1
63-8750	Pin - Pivot	6 9 1	83-0060	Lift - Pivot	1 26 1
63-8750	Pin - Pivot	4 10 1	83-0080	Spring - Torsion	1 25 1
63-8750	Pin - Pivot	3 33 1	83-0140	Pedal - Mow	2 38 1
65-4860	Head	5 9 1	83-0160	Shaft - Brake	2 48 1
65-6390	Washer - Thrust	17 13 1	83-0190	Cover - R.H.	8 18 1
65-8320	Bar - Gauge	2 * 1	83-0200	Cover - L.H.	1 17 1
66-1660	Spool - Lever Side	21 13 1	83-0540	Pedal - Traction	10 24 1
66-2950	Gauge - Hourmeter	22 5 1	83-0580	Rod - Traction Control	10 32 1
67-1300	Decal - TORO	20 39 1	83-0630	Arm - Traction Pivot	10 29 1
68-5100	Rod - Seat Prop	19 10 1	83-0640	Plate - Footrest	1 12 1
68-5130	Steering Wheel Assembly	17 11 1	83-0700	Handle - Lockup	17 18 1
68-5140	Cap - Steering Wheel	17 9 1	83-0730	Spacer - Lockup	17 15 1
68-5260	Fitting - Manifold Tee	11 37 1	83-0740	Disc - Friction	17 14 2
68-5310	Clip - Seat Rod	19 12 1	83-0750	Screw - Cap Hex. Hd. L.H.	17 6 1
68-5380	Lift Arm Assembly	6 21 1	83-0760	Plate - Lockup	17 16 1
68-5560	Pin - Cylinder Pivot	6 26 1	83-0780	Support - Steering Valve	17 4 1
68-5880	Hose - Hydraulic	20 30 1	83-0810	Cover - Steering Valve	17 25 1
68-6150	Breather	24 44 1	83-0820	Gauge - Ammeter	22 4 1
69-9760	Plate - Cover	2 50 1	83-0830	Panel - Control Upper	20 33 1
70-2770	Head	7 8 1	83-0840	Fender - L.H.	20 19 1
70-2780	Piston	7 4 1	83-0870	Fitting - Hydraulic Straight	24 32 3
70-7130	Tube Assy.	11 3 1	83-0910	Hose - Hydraulic	24 30 2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

3317-745

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
83-0910	Hose - Pump	28 11 2	83-2340	Cap - Threaded	31 2 2
83-1030	Mount - Engine	27 4 3	83-2350	Cap - Head, Thread	31 5 2
83-1040	Washer - Mount	27 2 3	83-2360	Assembly - Rod	31 9 1
83-1050	Spacer - Mount	27 3 2	83-2370	Assembly - Barrel	31 12 1
83-1060	Adapter - Pump	27 10 1	83-2380	Kit - Seal Repair	31 * 1
83-1080	Pipe - Exhaust	27 7 1	83-2390	Pad - Tank	24 2 1
83-1100	Harness - Wire (Main)	23 1 1	83-2400	Spacer - Tank	24 1 2
83-1100	Harness - Wire (Main)	22 8 1	83-2420	Wire - Solenoid-Battery	23 4 1
83-1110	Harness - Wire (Engine)	23 2 1	83-2450	Hose - Hydraulic	11 1 1
83-1150	Wire - Engine Ground	23 5 1	83-2450	Hose - Hydraulic (Top)	8 34 1
83-1160	Wire - Solenoid-Starter	23 3 1	83-2460	Hose - Hydraulic	11 4 1
83-1170	Hose - Hydraulic	11 22 1	83-2460	Hose - Hydraulic (Bottom)	8 * 1
83-1170	Hose - Hydraulic	28 28 1	83-2480	Decal - Parking Brake	1 9 1
83-1190	Hose - Hydraulic	28 1 2	83-2490	Decal - Service	19 34 1
83-1190	Hose - Hydraulic	11 10 2	83-2500	Decal - Traction Control	21 3 1
83-1200	Tube Assy.	11 5 1	83-2510	Decal - Steering Arm	17 32 1
83-1220	Plate - Clamp	8 21 1	83-2520	Decal - Warning	17 5 1
83-1230	Muffler	27 19 1	83-2530	Decal - Mow/Lift	1 14 1
83-1350	Hose - Hydraulic	12 45 1	83-2540	Decal - Traction	20 38 1
83-1390	Fitting - Fuel Shut-Off	25 15 1	83-2550	Decal - Engine RPM	27 13 1
83-1400	Shield - Muffler	27 16 1	83-2560	Decal - Warning Hot	27 34 1
83-1420	Column - Steering	17 23 1	83-2570	Plate - Control Panel	22 2 1
83-1430	Hose - Hydraulic	20 23 1	83-2580	Cylinder - Lift	3 6 1
83-1430	Hose - Hydraulic	24 34 1	83-2580	Hydraulic Cylinder Assy.	4 22 1
83-1450	Sensor - Oil Level	24 3 1	83-2590	Bolt - Shoulder	2 47 1
83-1460	Solenoid Valve Assembly	24 28 1	83-7230	Hydraulic Cylinder Assembly	6 10 1
83-1470	Washer - Neoprene	24 18 4	84-2000	Bracket - Brake	8 12 2
83-1520	Screen - Filler	24 6 1	84-2203	Control Valve Assembly	16 * 1
83-1530	Bracket - Alarm	22 23 1	84-2203	Control Valve Assembly	11 16 1
83-1550	Spacer - Tank (Short)	24 17 2	84-3180	Decal - Hydraulic Oil	19 33 1
83-1560	Spacer - Tank (Long)	24 23 2	84-5300	Nut - Jam	30 5 1
83-1630	Bracket - Muffler Support	27 24 1	84-6560	Decal - Danger	4 3 1
83-1640	Rod End Assembly	30 6 1	84-6560	Decal - Danger	6 3 1
83-1660	Switch Assembly	22 6 1	84-6560	Decal - Danger	3 13 1
83-1670	Fitting - Special	11 27 1	84-8700	Pivot - Seat	19 36 1
83-1680	Hose - Hydraulic	6 13 1	84-8730	Hose - Hydraulic	28 7 1
83-1680	Hose - Hydraulic	11 30 1	84-8730	Hose - Hydraulic	17 26 2
83-1690	Hose - Hydraulic	11 21 1	84-8730	Hose - Hydraulic	30 28 1
83-1690	Hose - Hydraulic	3 40 1	84-8740	Hose - Hydraulic	17 27 1
83-1700	Bushing - Flange	8 33 2	84-8740	Hose - Hydraulic	30 30 1
83-1700	Bushing - Flange	17 35 1	84-8760	Arm - Steering	17 3 1
83-1860	Centering Spring Kit	18 12 1	84-8770	Seat Support Assembly	19 7 1
83-1870	Gerotor	18 17 1	84-8800	Bracket	19 35 1
83-1880	Control Parts Assembly	18 * 1	85-6540	Stud - Drive	8 28 8
83-1890	Switch - Ball	14 54 1	85-8120	Plate - Engine Mount	27 28 1
83-1890	Switch - Ball	16 60 1	86-5360	Repair Kit	7 * 1
83-1940	Guard - Pump	28 30 1	86-5390	Seal Kit	5 * 1
83-2000	Spool - Valve	24 42 1	86-9820	Frame - Pull Rear	6 1 1
83-2010	Coil - Valve	24 43 1	88-9500	Needle Valve Assembly	12 * 1
83-2030	Plate - Filler	22 3 1	88-9620	Decal - Greensmaster 3100	2 46 1
83-2040	Hose - Fuel	25 14 1	88-9630	Lift Pivot Bracket R.H.	2 40 1
83-2041	Hose - Fuel	25 11 1	88-9640	Lift Pivot Bracket L.H.	1 28 1
83-2070	Hose - Valve	24 14 1	88-9660	Shaft - Cutting Control	2 36 1
83-2080	Hose - Valve-Tank	24 29 1	88-9700	Hose - Hydraulic	6 15 1
83-2090	Hose - Overflow	24 15 1	88-9700	Hose - Hydraulic	11 20 1
83-2200	Nut - Special	25 8 1	88-9710	Fitting - Hydraulic 90°	20 31 1
83-2220	Deflector - Exhaust	27 20 1	92-0585	Pull Arm Assembly R.H.	3 19 1
83-2230	Screw - Cap Hex. Hd.	27 22 4	92-0585	Pull Arm Assembly R.H.	4 34 1
83-2240	Arrestor - Spark	27 * 1	92-0585	Pull Arm Assembly R.H.	6 42 1
83-2250	Gauge - Sight	24 25 1	92-0586	Pull Arm Assembly L.H.	3 17 1
83-2270	Hose - Hydraulic	28 8 1	92-0586	Pull Arm Assembly L.H.	4 31 1
83-2270	Hose - Hydraulic	21 15 1	92-0586	Pull Arm Assembly L.H.	6 39 1
83-2280	Timer - Relay	22 27 1	92-0587	Fitting - Valve Body	11 17 1
83-2310	Shield	27 35 1	92-0588	Valve - Needle	12 53 1
83-2330	Hydraulic Cylinder Assy.	30 33 1	92-1180	Seat Assembly	19 5 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
92-1188	Hose - Hydraulic	21 17 1	233-48	Knob	17 17 1
92-1188	Hose - Hydraulic	20 44 1	237-7	Seal - O-Ring	19 24 1
92-1189	Hose - Hydraulic	11 6 1	237-21	Seal - O-Ring	28 6 1
92-1189	Hose - Hydraulic	21 9 1	237-21	Seal - O-Ring	11 19 6
92-1665	Fitting - Hydraulic Straight	24 12 1	237-21	Seal - O-Ring	17 29 4
92-1666	Tank - Auxiliary Hydraulic	24 26 1	237-21	Seal - O-Ring	30 31 2
92-2545	Seals - Spool	14 * 1	237-22	Seal - O-Ring	28 2 3
92-2545	Seals - Spool	16 * 1	237-22	Seal - O-Ring	11 11 6
92-2546	Wiper - Seal	13 25 4	237-22	Seal - O-Ring	32 11 5
92-2546	Wiper - Seal	16 64 5	237-30	Seal - O-Ring	32 3 5
92-2547	Plate - Seal Retainer	15 18 5	237-30	Seal - O-Ring	11 7 2
92-2547	Plate - Seal Retainer	13 24 4	237-30	Seal - O-Ring	21 8 3
92-2548	Seals - Spool	14 * 1	237-30	Seal - O-Ring	19 19 1
92-2548	Seals - Spool	16 * 1	237-30	Seal - O-Ring	28 27 1
92-2549	Seals - Spool	16 * 1	237-30	Seal - O-Ring	20 43 1
94-2690	Filter - Fuel	25 13 1	237-35	Seal - O-Ring	6 11 2
92-3058	Spring - Centering	13 41 1	237-42	Seal - O-Ring	28 4 4
92-3148	Spring	15 23 1	237-42	Seal - O-Ring	32 9 3
92-4063	Plug - Filler Cap	24 7 1	237-42	Seal - O-Ring	11 15 4
92-6533	Kit - Cushion	19 38 1	237-42	Seal - O-Ring	17 31 4
92-6534	Shell	19 39 1	237-54	O-Ring	15 3 6
92-7189	Tank - Fuel	25 2 1	237-54	O-Ring	13 6 8
92-8020	Adapter - Breather	24 21 1	237-54	Seal - O-Ring	21 14 2
92-8690	Steering - Valve Assembly	17 24 1	237-58	Seal - O-Ring	11 34 1
92-8691	Bushing - Seal Gland	18 3 1	237-65	Seal - O-Ring	11 2 6
92-8694	Cap - End	18 18 1	237-65	Seal - O-Ring	8 15 4
92-8695	Seal Kit	18 * 1	237-78	Seal - O-Ring	6 14 2
92-8696	Screw - Torx Hd.	18 19 7	237-78	Seal - O-Ring	30 32 2
92-8697	Plate - Wear	18 15 1	237-78	Seal - O-Ring	3 38 2
92-8966	Reservoir - Hydraulic	24 5 1	237-78	Seal - O-Ring	4 38 2
92-9164	Frame Assembly	20 18 1	237-79	Seal - O-Ring	32 7 3
92-9176	Frame - Pull L.H.	3 24 1	237-79	Seal - O-Ring	11 9 4
92-9177	Frame - Pull R.H.	4 1 1	237-79	Seal - O-Ring	24 11 5
92-9199	Motor - Hydraulic	8 22 2	237-80	O-Ring	20 41 1
92-9761	Link - Drive	9 13 1	237-80	Seal - O-Ring	24 4 1
92-9762	Screw - Cap Hex. Hd.	9 14 7	237-80	Seal - O-Ring	21 6 3
92-9763	Rotor Set	9 * 1	237-80	Seal - O-Ring	8 13 4
92-9764	Hydraulic Pump Assembly	28 9 1	237-80	Seal - O-Ring	28 25 1
92-9772	Shaft - Drive	29 20 1	237-80	Seal - O-Ring	11 32 3
92-9773	Gear - 66B	29 21 1	237-81	Seal - O-Ring	11 38 1
92-9774	Idle Shaft - Gear Assy.	29 12 1	237-101	Seal - O-Ring	20 26 2
93-1386	Section #5 Assembly	16 * 1	237-123	Seal - O-Ring	24 24 1
93-2524	Fork - Castor	30 19 1	237-143	Grommet	20 40 2
93-2694	Cover - R.H.	20 2 1	237-177	Seal - O-Ring	24 33 3
93-3101	Cap - Fuel	25 1 1	240-11	Grommet	25 3 4
93-3651	Retainer - Boot	13 22 2	240-11	Grommet	24 37 3
93-3651	Retainer - Boot	15 47 3	242-50	Nut - Lug	30 8 4
93-3652	Boot - Spool Assembly	14 * 2	242-50	Nut - Lug	8 29 8
93-3652	Boot - Spool Assembly	16 * 3	2410-18	Plug	34 2 1
93-7160	Cap - Hydraulic Reservoir	24 8 1	2410-73	Retainer - Tether	24 10 1
93-7629	Pad - Brake	2 49 1	2411-42	Joint - Ball L.H. Thread	10 30 1
93-7630	Pad - Mow	2 39 1	2411-43	Joint - Ball R.H. Thread	10 33 1
93-7631	Pad - Lift	2 37 1	2412-34	Clamp - Hose	28 10 2
93-9934	Traction Handle Assembly	10 12 1	2412-34	Clamp - Hose	20 24 2
93-9936	Bracket - Traction Return	10 44 1	2412-34	Clamp - Hose	24 31 3
93-9937	Return Cable Assembly	10 45 1	2412-36	Clamp - Hose	24 13 4
217-60	Rim	8 3 2	2412-36	Clamp - Hose	25 16 2
217-60	Rim	30 10 1	2412-39	Clamp - R	22 28 1
218-461	Nut - Hex.	22 16 1	2412-41	Clamp - R	25 5 3
218-461	Nut - Hex.	19 25 2	2412-41	Clamp - R	12 47 2
218-594	Fuse - 20 Amp	22 7 1	2412-94	Clamp - R	25 10 1
2112-11	Clamp - Muffler	27 14 1	2412-108	Clamp - Hose	25 12 4
232-24	Stem - Valve	8 1 2	2412-133	Clamp - R	19 4 2
232-24	Valve Stem w/Cap	30 18 1	2412-141	Clamp - Hose	24 41 2
233-48	Knob	10 11 1	250-6	Tie - Cable	27 * 2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

3317-745

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
251-141	Bearing - Ball	3 22 2	323-6	Screw - Cap Hex. Hd.	24 35 3
251-141	Bearing - Ball	4 37 2	323-8	Screw - Cap Hex. Hd.	28 24 2
251-141	Bearing - Ball	6 45 2	323-12	Screw - Cap Hex. Hd.	27 1 3
253-111	Seal - Shaft	30 12 2	323-13	Screw - Cap Hex. Hd.	1 5 4
254-61	Cup - Bearing	30 3 2	324-7	Screw - Cap Hex. Hd.	27 30 4
254-70	Cone - Bearing	30 4 2	325-4	Screw - Cap Hex. Hd.	17 19 2
254-78	Cone - Bearing	30 13 2	325-11	Screw - Cap Hex. Hd.	8 9 8
254-79	Cup - Bearing	30 14 2	3211-2	Screw - Cap Hex. Hd.	10 19 2
256-2	Bushing - Sleeve	10 20 2	3217-5	Nut - Hex.	20 12 2
256-155	Bushing - Flange	10 26 2	3217-6	Nut - Hex.	10 48 1
256-155	Bushing - Flange	19 28 2	3217-6	Nut - Lock	29 1 4
256-251	Bushing - Sleeve	10 10 2	3217-7	Nut - Hex.	13 33 3
282-2	Clevis - Adjusting	1 2 5	3217-12	Nut - Lock	30 26 1
282-2	Clevis - Rod	10 3 1	3218-13	Nut - Jam	20 8 2
283-8	Pin - Clevis	3 4 1	3219-2	Nut - Hex.	10 49 1
283-8	Pin - Clevis	4 18 1	3219-2	Nut - Hex.	35 6 1
283-57	Pin - Clevis	10 8 1	3219-14	Nut - Hex.	20 7 2
283-61	Pin - Clevis	1 1 5	3219-14	Nut - Hex.	22 10 6
283-61	Pin - Clevis	10 4 1	3219-18	Nut - Hex.	34 2 1
283-62	Pin - Clevis	10 46 1	3220-2	Nut - Jam	10 2 1
302-2	Fitting - Grease	6 17 1	3220-2	Nut - Jam	1 3 5
302-2	Fitting - Grease	4 23 1	3220-3	Nut - Jam	4 2 2
302-2	Fitting - Grease Straight	3 34 1	3220-3	Nut - Jam	6 2 2
302-5	Fitting - Grease	31 13 1	3220-3	Nut - Jam	3 23 2
302-5	Fitting - Grease	1 27 1	3220-6	Nut - Jam	5 14 1
302-5	Fitting - Grease	4 29 4	3220-6	Nut - Jam	30 21 2
302-5	Fitting - Grease Straight	3 15 4	3220-20	Nut - Jam L.H. Thread	10 31 1
302-5	Fitting - Grease Straight	6 37 5	3229-22	Bolt - Carriage	1 10 2
302-11	Fitting - Grease	30 2 1	3234-1	Screw - Cap Hex. Hd.	2 53 4
302-55	Fitting - Grease	30 16 1	3234-1	Screw - Hex. Flange Hd.	10 6 4
302-60	Fitting - Grease 90°	3 8 2	3234-4	Screw - Cap Hex. Hd.	12 46 1
302-60	Fitting - Grease 90°	4 17 2	3241-2	Screw - Set Square Hd.	28 19 2
302-60	Fitting - Grease 90°	6 32 1	3241-6	Screw - Set Square Hd.	28 13 2
304-61	Clamp - R	11 23 1	3245-1	Screw - Set, Hex. Soc. Hd.	31 1 2
321-2	Screw - Cap Hex. Hd.	24 16 1	3246-3	Screw - Set	17 12 1
321-3	Screw - Cap Hex. Hd.	20 10 4	3253-3	Washer - Lock	27 26 4
321-3	Screw - Cap Hex. Hd.	19 13 1	3253-3	Washer - Lock	24 39 2
321-3	Screw - Cap Hex. Hd.	2 52 3	3253-3	Washer - Lock	16 57 4
321-4	Screw - Cap Hex. Hd.	22 21 1	3253-4	Washer - Lock	19 2 2
321-4	Screw - Cap Hex. Hd.	27 27 4	3253-4	Washer - Lock	20 9 2
321-4	Screw - Cap Hex. Hd.	8 31 1	3253-6	Washer - Lock	27 29 4
321-4	Screw - Hex. Flange Hd.	1 16 2	3253-21	Washer - Lock	28 23 2
321-5	Screw - Cap Hex. Hd.	8 26 8	3253-21	Washer - Lock	4 27 2
321-11	Screw - Cap Hex. Hd.	24 40 2	3253-21	Washer - Lock	3 35 2
321-11	Screw - Cap Hex. Hd.	2 43 1	3253-21	Washer - Lock	6 35 2
321-11	Screw - Hex. Washer Hd.	8 17 1	3254-1	Washer - Lock	20 6 2
321-33	Screw - Cap Hex. Hd.	21 22 2	3254-1	Washer - Lock	22 31 2
322-1	Screw - Cap Hex. Hd.	3 1 3	3254-5	Washer - Lock	22 15 1
322-1	Screw - Cap Hex. Hd.	4 21 3	3254-6	Washer - I.T.L.W.	10 18 2
322-1	Screw - Cap Hex. Hd.	6 30 2	3255-7	Washer - Lock	22 29 1
322-1	Screw - Cap Hex. Hd.	28 31 2	3255-8	Washer - Lock, Int. Tooth	35 9 1
322-2	Screw - Cap Hex. Hd.	19 1 2	3256-1	Washer - Flat	27 18 8
322-3	Screw - Cap Hex. Hd.	6 25 1	3256-1	Washer - Flat	22 20 8
322-3	Screw - Cap Hex. Hd.	19 32 1	3256-1	Washer - Flat	2 51 9
322-3	Screw - Cap Hex. Hd.	27 32 6	3256-21	Washer - Flat	22 30 2
322-4	Screw - Cap Hex. Hd.	28 32 2	3256-22	Washer - Flat	20 3 5
322-4	Screw - Cap Hex. Hd.	20 36 4	3256-22	Washer - Flat	8 30 2
322-5	Screw - Cap Hex. Hd.	10 36 2	3256-22	Washer - Flat	2 44 1
322-6	Screw - Cap Hex. Hd.	28 18 4	3256-22	Washer - Flat	24 45 1
322-8	Screw - Cap Hex. Hd.	27 21 2	3256-22	Washer - Flat	12 52 1
322-14	Screw - Cap Hex. Hd.	24 20 2	3256-23	Washer - Flat	3 2 3
322-14	Screw - Cap Hex. Hd.	11 39 3	3256-23	Washer - Flat	4 20 3
322-29	Screw - Cap Hex. Hd.	24 22 2	3256-23	Washer - Flat	6 28 3
323-4	Screw - Cap Hex. Hd.	17 7 2	3256-23	Washer - Flat	28 17 8
323-6	Screw - Cap Hex. Hd.	25 6 3	3256-23	Washer - Flat	27 23 2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3256-23	Washer - Flat	19 30 4	3296-39	Nut - Lock	1 20 1
3256-23	Washer - Flat	20 35 4	3296-42	Nut - Lock	19 11 1
3256-24	Washer - Flat	10 14 6	3296-42	Nut - Lock	8 25 8
3256-24	Washer - Flat	4 26 2	3296-56	Nut - Lock	21 23 2
3256-24	Washer - Flat	6 34 2	3296-59	Nut - Lock	10 15 4
3256-24	Washer - Flat	2 35 5	3296-59	Nut - Lock	2 34 8
3256-24	Washer - Flat	3 36 2	3296-67	Nut - Lock	30 25 1
3256-26	Washer - Flat	4 12 1	32103-12	Nut - Wing	20 14 2
3256-26	Washer - Flat	6 20 1	32104-76	Screw - Self Tapping	20 1 5
3256-26	Washer - Flat	3 31 1	32108-100	Screw - Flat Hd.	8 16 1
3256-26	Washer - Flat	17 34 2	32120-8	Ring - Retaining	5 10 1
3256-28	Washer - Flat	30 27 1	32120-76	Ring - Snap	21 5 2
3256-63	Washer - Flat	25 7 1	32121-4	Pin - Roll Slotted	21 21 2
3256-71	Washer - Flat	24 19 4	32121-6	Pin - Roll	10 39 1
3256-80	Washer - Flat	17 2 3	32121-6	Pin - Roll	2 41 1
3257-42	Key - Woodruff	8 11 2	32121-16	Pin - Roll	19 14 1
3257-42	Key - Woodruff	9 17 1	32121-35	Pin - Roll	1 32 8
3272-4	Pin - Cotter	10 13 1	32121-45	Pin - Roll	10 28 1
3272-6	Pin - Cotter	1 30 5	32121-51	Pin - Roll	10 43 1
3272-6	Pin - Cotter	10 41 1	32122-35	Screw - Truss Head	35 8 1
3272-10	Pin - Cotter	10 47 1	32128-20	Nut - Flange Lock	11 24 3
3272-11	Pin - Cotter	3 5 2	32128-20	Nut - Flange Lock	10 27 1
3272-11	Pin - Cotter	19 9 1	32128-20	Nut - Flange Lock	28 29 2
3272-11	Pin - Cotter	4 13 2	32128-20	Nut - Flange Lock	27 31 8
3272-11	Pin - Cotter	6 19 1	32128-20	Nut - Lock, Flange	35 3 1
3272-37	Pin - Cotter	30 1 1	32128-33	Nut - Flange Lock	1 18 2
3273-26	Screw - Hex. Socket Hd.	22 18 4	32128-33	Nut - Lock	8 32 1
3274-7	Screw - Socket Hd.	27 9 2	32136-9	Nut - Hex. Slotted	30 34 1
3274-12	Screw - Hex. Socket Hd.	19 29 4	32141-111	Nut Flange Lock	1 11 1
3274-15	Screw - Fillister Hd.	13 43 2	32144-4	Screw - Hex. Washer Hd.	27 17 4
3274-31	Screw - Hex. Socket Hd.	1 15 4	32144-4	Screw - Thread Forming	19 37 1
3274-39	Screw - Cap Hex. Hd.	17 21 6	32144-21	Screw - Round Hd.	17 8 2
3274-42	Screw - Set, Hex. Socket	21 4 1	32148-6	Insert - Threaded	1 19 8
3274-52	Screw - Hex, Socket Hd.	13 20 4	32149-2	Nut - Keps	20 37 2
3274-52	Screw - Hex. Socket Hd.	15 45 6	32151-41	Ring - Retaining	33 9 1
3274-63	Screw - Hex. Socket Hd.	17 33 2	32152-10	Nut - Hex.	7 2 1
3274-69	Screw - Hex. Socket Hd.	22 1 8	32152-10	Nut - Lock	5 2 1
3274-70	Screw - Hex, Socket Hd.	13 1 2	340-1	Fitting - Hydraulic Straight	17 30 4
3274-80	Screw - Cap Hex. Hd.	17 1 3	340-14	Fitting - Hydraulic 45°	8 14 4
3274-84	Screw - Cap, Hex. Hd.	16 58 4	340-16	Fitting - Hydraulic 90°	11 33 1
3274-91	Screw - Hex. Socket Hd.	20 4 3	340-18	Fitting - Hydraulic 90°	11 13 1
3284-3	Pin - Groove	19 15 1	340-77	Fitting - Hydraulic 90°	32 10 2
3290-277	Nut - Speed	17 22 6	340-77	Fitting - Hydraulic 90°	11 14 2
3290-317	Washer - Wave	3 18 2	340-82	Fitting - Hydraulic 90°	28 5 1
3290-317	Washer - Wave	4 32 2	340-87	Fitting - Hydraulic 45°	28 3 3
3290-317	Washer - Wave	6 40 2	340-87	Fitting - Hydraulic 45°	32 15 1
3290-357	Nut - Flange Lock	27 8 3	340-98	Fitting - Hydraulic 90°	32 14 2
3290-378	Tie - Cable	12 * 1	340-101	Fitting - Hydraulic 45°	32 6 1
3290-378	Tie - Cable	21 * 3	340-101	Fitting - Hydraulic 45°	11 8 1
3290-378	Tie - Cable	27 * 2	340-103	Fitting - Hydraulic 45°	6 12 2
3290-378	Tie - Cable	32 * 15	340-105	Elbow - 90° Adjustable	21 7 3
3290-379	Tie - Cable	12 * 2	340-105	Fitting - Hydraulic 90°	20 42 1
3290-379	Tie - Cable	32 * 3	340-105	Fitting - Hydraulic 90°	28 26 1
3290-379	Tie - Cable	6 47 1	340-132	Fitting - Hydraulic 90°	30 29 2
3296-4	Nut - Lock	10 22 2	340-137	Fitting - Hydraulic 45°	11 44 1
3296-16	Nut - Lock	1 21 2	340-138	Fitting - Hydraulic 45°	11 12 2
3296-16	Nut - Lock	22 24 9	351-78	Edging	19 40 1
3296-16	Nut - Lock	20 34 3	353-301	Poppet	13 27 1
3296-16	Nut - Lock	12 49 1	353-302	O-Ring	15 7 3
3296-23	Nut - Lock	8 19 8	353-302	O-Ring	13 10 3
3296-27	Nut - Lock	22 11 4	353-303	Ring - Backup	15 8 6
3296-29	Nut - Lock	19 8 4	353-303	Ring - Backup	13 9 6
3296-29	Nut - Lock	28 14 4	353-304	Spring	13 28 1
3296-29	Nut - Lock	10 16 3	353-305	O-Ring	15 5 5
3296-29	Nut - Lock	6 29 1	353-305	O-Ring	13 8 4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

3317-745

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
353-306	Ring - Backup	15 4 5	353-772	Left End Cover	13 34 1
353-306	Ring - Backup	13 7 4	353-777	Body - Motor	33 12 1
353-328	Washer - Shim	13 15A/R	353-780	Positioner - R. Detent (Out)	14 * 1
353-328	Washer - Shim	15 32A/R	353-808	Collar - Spring	15 24 1
353-329	Washer - Shim	13 16A/R	353-829	Collar Spool	15 26 1
353-329	Washer - Shim	15 33A/R	353-830	O-Ring	15 25 1
353-330	Washer - Shim	13 17A/R	353-831	Spring	15 21 1
353-330	Washer - Shim	15 34A/R	353-833	Positioner Assembly	16 * 1
353-331	O-Ring	13 29 1	353-835	Seals - Section Set	14 * 1
353-334	Cap - Relief	13 19 2	353-835	Seals - Section Set	16 * 1
353-334	Cap - Relief	15 36 2	353-837	Section #2 Complete	14 * 1
353-392	Seal - Relief Poppet PTFE	13 13 2	353-839	Positioner - DI (SPL) Assy.	14 * 1
353-392	Seal - Relief Poppet PTFE	15 30 2	353-840	Position - DI (SP) Assy.	16 * 1
353-398	Spring	15 35 1	353-841	Position - Spool Assembly	16 * 1
353-417	Collar Spring	15 20 2	353-844	Plus Series	16 55 1
353-417	Collar Spring	13 40 2	353-845	Sleeve - Detent	15 41 1
353-481	Plug - Load Check	15 2 3	353-846	Spud - DI (SPL)	15 40 1
353-481	Plug - Load Check	13 5 3	353-847	Bonnet (SPL)	15 38 1
353-483	Body - Anticavitation	16 61 1	353-848	O-Ring	15 14 1
353-484	Retainer - Ball	16 62 1	353-849	Sleeve	15 39 1
353-529	Plate Seal	15 22 1	353-850	O-Ring	16 56 1
353-531	Poppet Assembly	15 31 2	353-851	Body - Relief CP-RC Mod.	13 12 1
353-531	Poppet Assy.	13 14 2	353-851	Body - Relief CP-RC Mod.	15 29 2
353-550	Plug - Hydraulic	24 38 1	353-853	Bolt - Hex Hd.	15 10 3
353-550	Plug Assembly	15 13 1	353-855	Spring	13 18 2
353-563	Fitting - Hydraulic Straight	20 25 1	353-855	Spring	15 44 1
353-575	Boot - Dust Cap	13 21 2	353-884	Key - Woodruff	29 19 4
353-575	Boot - Dust Cap	15 46 3	353-886	Ring - Retaining	29 18 2
353-579	Spring	13 45 1	353-919	Plate - Gear 66B	29 14 1
353-586	Bearing - Needle	33 13 4	353-922	Seal - Ring	29 23 10
353-588	Cover - Motor	33 3 1	353-923	Bearing Plate Assembly	29 26 2
353-591	Block - Anti-Extrusion	33 8 1	353-952	Ring - Backup	13 32 1
353-592	Drive Shaft Assembly	33 16 1	353-953	Plug Assembly	16 54 1
353-593	Idle Gear Assembly	33 7 1	353-957	Seal - Lip	15 15 6
353-594	Seal Assembly	33 14 1	353-957	Seal - Lip	13 26 4
353-595	Plate - Wear	33 15 1	353-958	Ring - Backup	15 16 1
353-596	O-Ring	33 17 1	353-967	Gear - 33B	29 24 6
353-597	Bridging - Insert	33 5 1	353-969	Plate - Gear 33B	29 25 3
353-598	Gasket - Insert	33 6 1	354-2	Body Assembly	29 15 1
353-599	Pin - Dowel	33 4 2	354-3	Bearing Plate Assembly	29 22 1
353-600	Washer	33 2 4	354-4	Bearing Plate Assembly	29 28 1
353-601	Screw - Hex Socket Hd.	33 1 4	354-5	Adapter - Splined	29 27 1
353-642	Relief - RC Mod.	14 * 2	354-6	Plate - Gear 18B	29 30 1
353-642	Relief - RC Mod. Assembly	16 * 1	354-7	Cover Assembly	29 31 1
353-668	Plate - Cap, Cover RH	15 11 1	354-8	Drive Shaft - Gear Assy.	29 29 1
353-721	Plug	13 35 2	354-9	Idle Shaft - Gear Assy.	29 5 1
353-727	Bonnet	13 2 1	354-11	Pin - Dowel	29 4 2
353-728	Sleeve	14 49 1	354-12	Pin - Dowel	29 6 2
353-729	Spud - Detent	13 3 1	354-13	Pin - Dowel	29 11 4
353-730	Spring	15 42 1	354-14	Pin - Dowel	29 13 2
353-731	Ball	15 43 1	354-15	Seal - Shaft	29 17 1
353-732	Sleeve - Detent	14 52 1	354-16	Washer - Lock	29 2 4
353-733	Spacer - Bonnet	13 4 1	354-17	Stud - Threaded	29 3 4
353-733	Spacer - Bonnet	15 19 2	354-25	Section #4 Assembly	16 * 1
353-737	Ball	16 63 1	354-26	Bonnet	15 27 2
353-754	Bonnet - R. Detent	13 42 1	354-28	Screw - Hex, Socket Hd.	15 28 2
353-758	Seal - O-Ring	13 31 1	354-29	Plate - Thrust	13 48 1
353-760	Body Relief	13 30 1	354-35	Gasket	29 32 1
353-762	Spud - Detent Out	14 50 1	354-120	Fitting - Hydraulic 90°	24 27 3
353-763	Cap - Adjustment	13 44 1	354-122	Disc - Seal	16 52 1
353-766	Relief WH (2000) PSI Assy.	14 * 1	354-129	Anticavitation Check Assy.	16 * 1
353-768	Section #1 Complete	14 * 1	354-131	Section #3 Assembly	16 * 1

*Not Illustrated

PRODUCT CHANGES

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

IDENTIFICATION AND ORDERING

MODEL AND 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.

TABLE OF CONTENTS

Description	Page	Description	Page
Control Pedal Assembly	1-2	Variable Traction Control Assembly	21
Pull Frame Assembly L.H.	3	Control Panel Assembly	22
Pull Frame Assembly R.H.	4	Electrical Schematic	23
Hydraulic Cylinder Assembly No. 83-2580	5	Hydraulic Reservoir Assembly	24
Pull Frame Assembly Rear	6	Fuel Tank Assembly	25
Hydraulic Cylinder Assembly No. 83-7230	7	Hydraulic Schematic	26
Front Wheel & Brake Assembly	8	Engine Installation Assembly	27
Hydraulic Drive Motor Assembly No. 92-9199	9	Hydraulic Pump Installation Assembly	28
Traction Controls Assembly	10	Hydraulic Pump No. 92-9764	29
Control Valve Installation Assembly	11-12	Rear Wheel Assembly	30
Control Valve Assembly No. 84-2203		Hydraulic Cylinder Assembly No. 83-2330	31
(Sections 1 & 2)	13-14	Reel Motor Installation Assembly	32
Control Valve Assembly No. 84-2203		Reel Motor Assembly No. 70-9800	33
(Sections 3 thru 5)	15-16	Special Tools	34-35
Steering Arm Assembly	17	Briggs & Stratton Engine Assembly	
Power Steering Valve Assembly No. 92-8690 ...	18	Model 303447-0479-01	36-46
Seat Assembly	19	TORO Part Number Index	47-53
Frame Assembly	20		

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