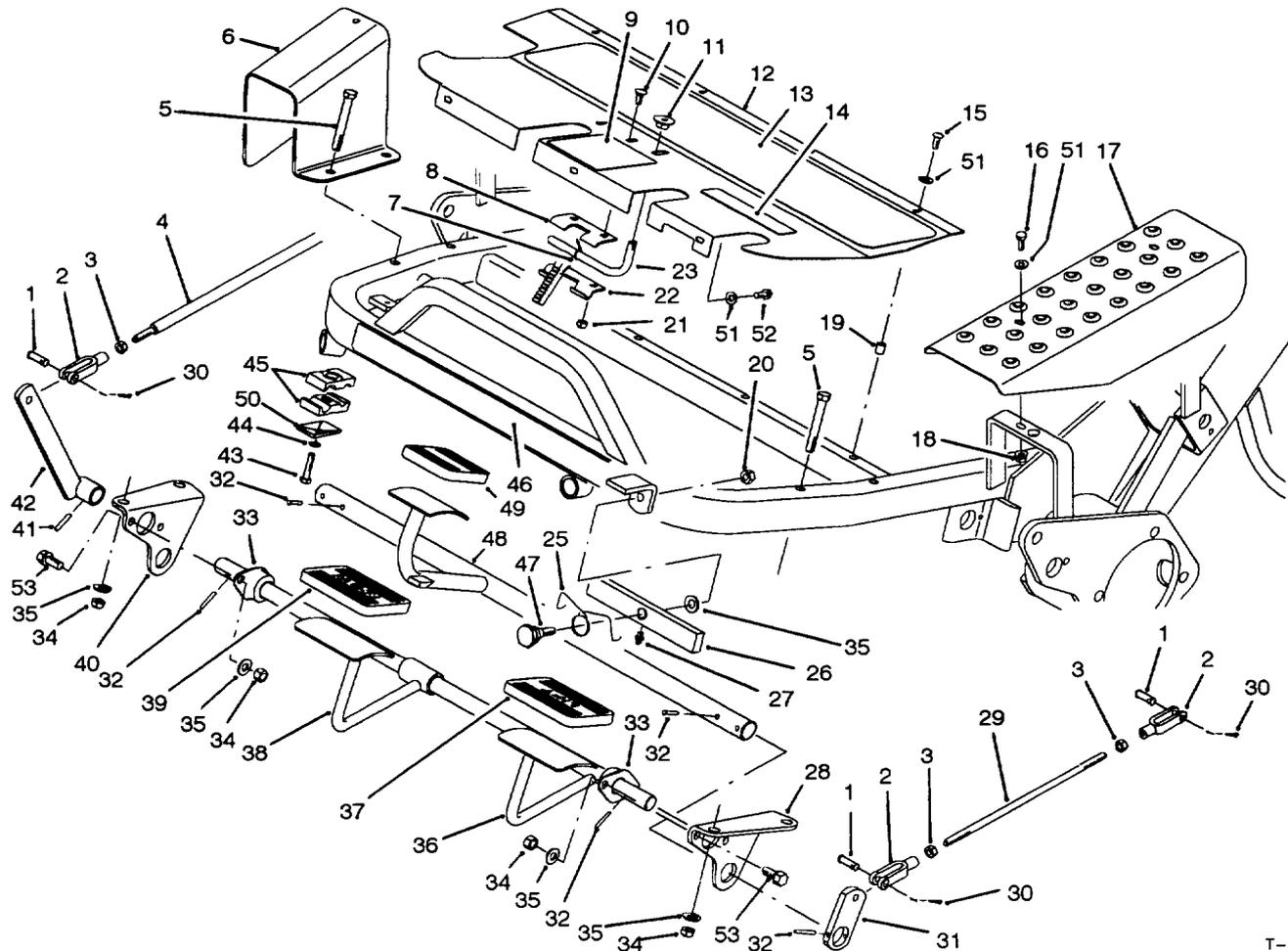




MODEL NO. 04353-30001 & UP

PARTS
CATALOGGREENMASTER® 3100
TRACTION UNIT

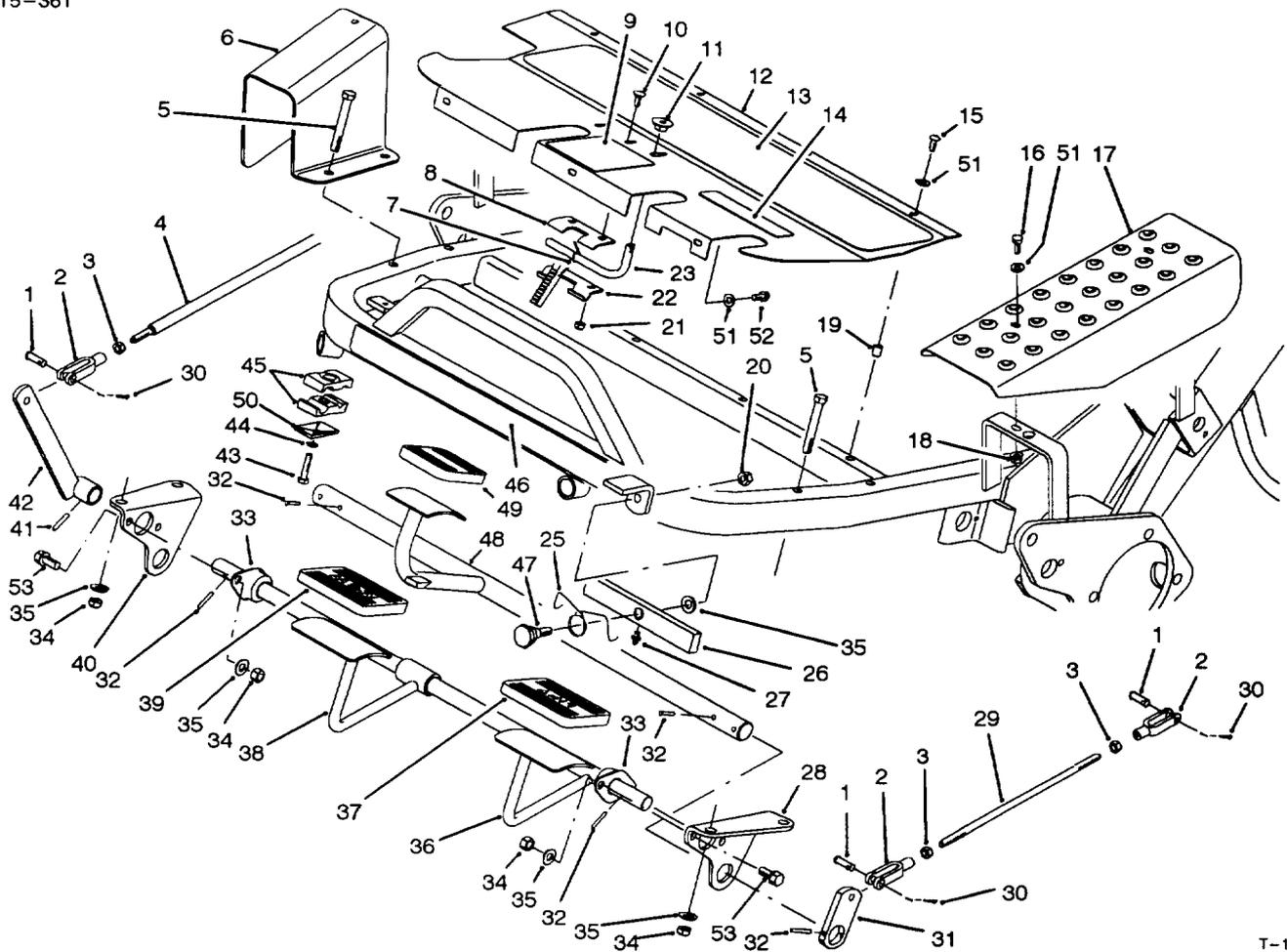
T-1285

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	32128-14	Nut - Flange Lock	2
3	3220-2	Nut - Jam	5	19	32148-6	Insert - Threaded	8
4	49-5430	Rod - Control	1	20	3290-357	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	27-2830	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	51-0050	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

‡For different language versions of this part, see International Decal Cross Reference.

TPS

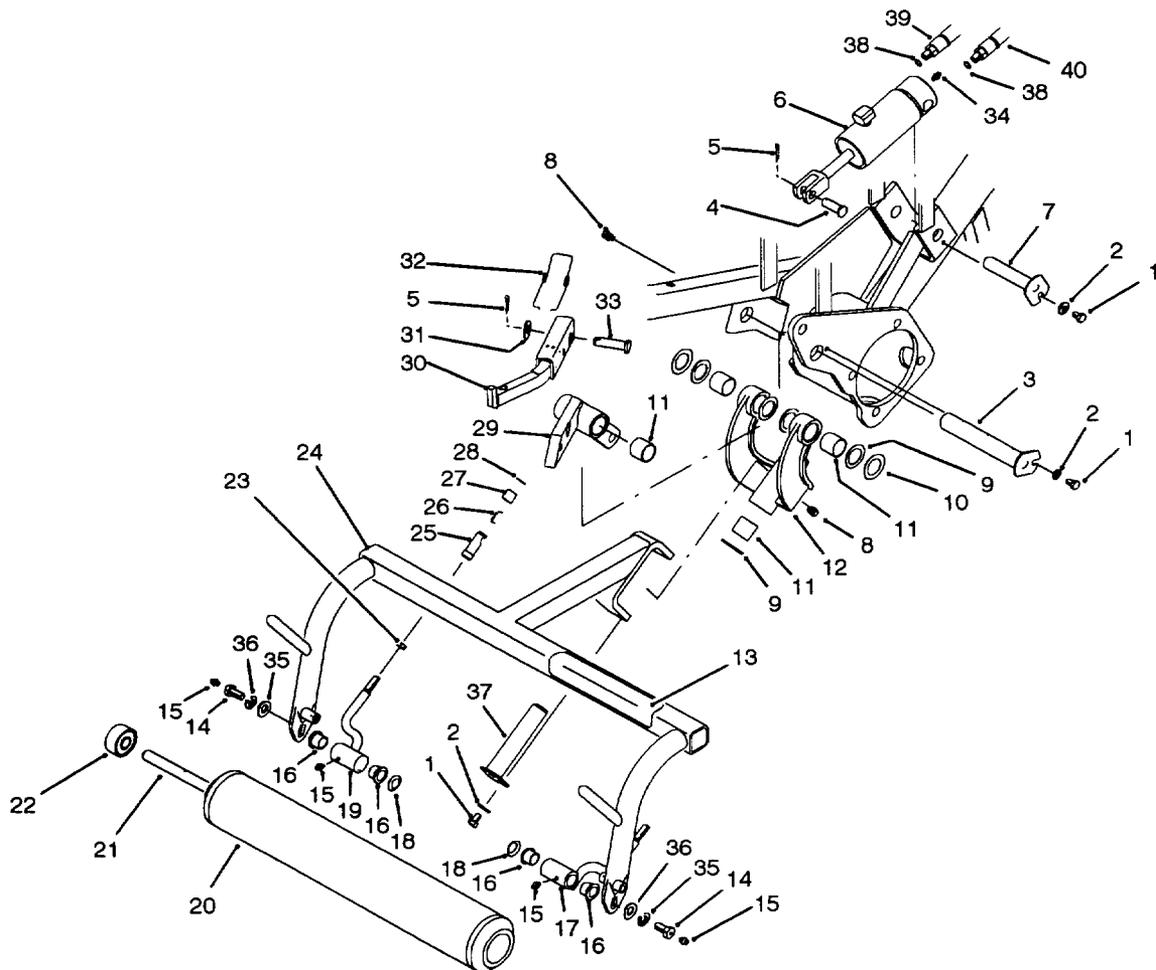


T-1285

CONTROL PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
34	3296-59	Nut - Lock	8
35	3256-24	Washer - Flat	9
36	88-9660	Shaft - Cutting Control	1
37	10-8240	Pad - Lift	1
38	83-0140	Pedal - Mow	1
39	10-8250	Pad - Mow	1
40	88-9630	Lift Pivot Bracket R.H.	1
41	32121-6	Pin - Roll	1
42	49-6200	Lever - Cutting Control	1
43	321-11	Screw - Cap Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
44	3253-3	Washer - Lock	1
45	56-7970	Clamp Half - Tube	2
46	88-9620	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
53	3234-1	Screw - Cap Hex. Hd.	4

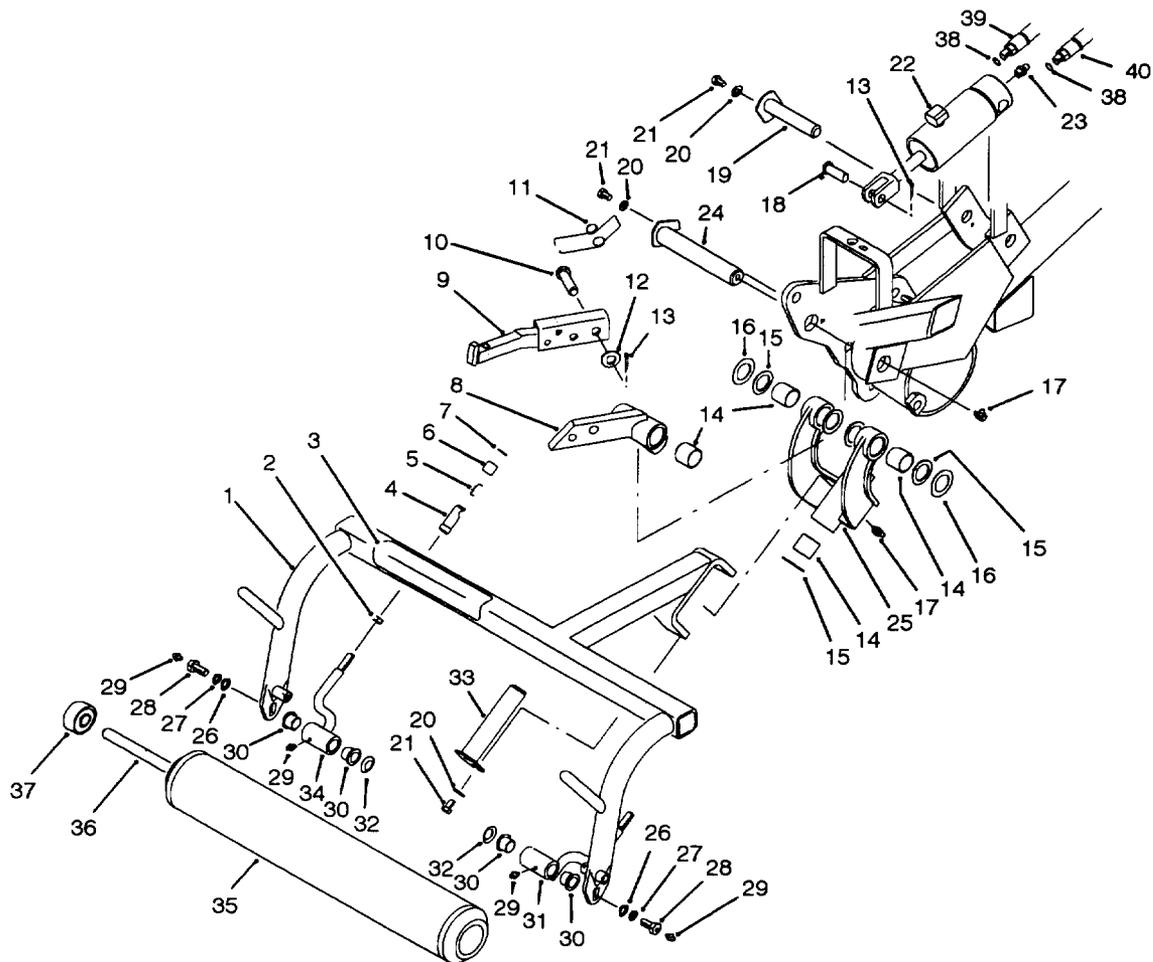


T-1283

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	86-9810	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	62-5070	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	92-0586	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	92-0585	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

‡For different language versions of this part, see International Decal Cross Reference.

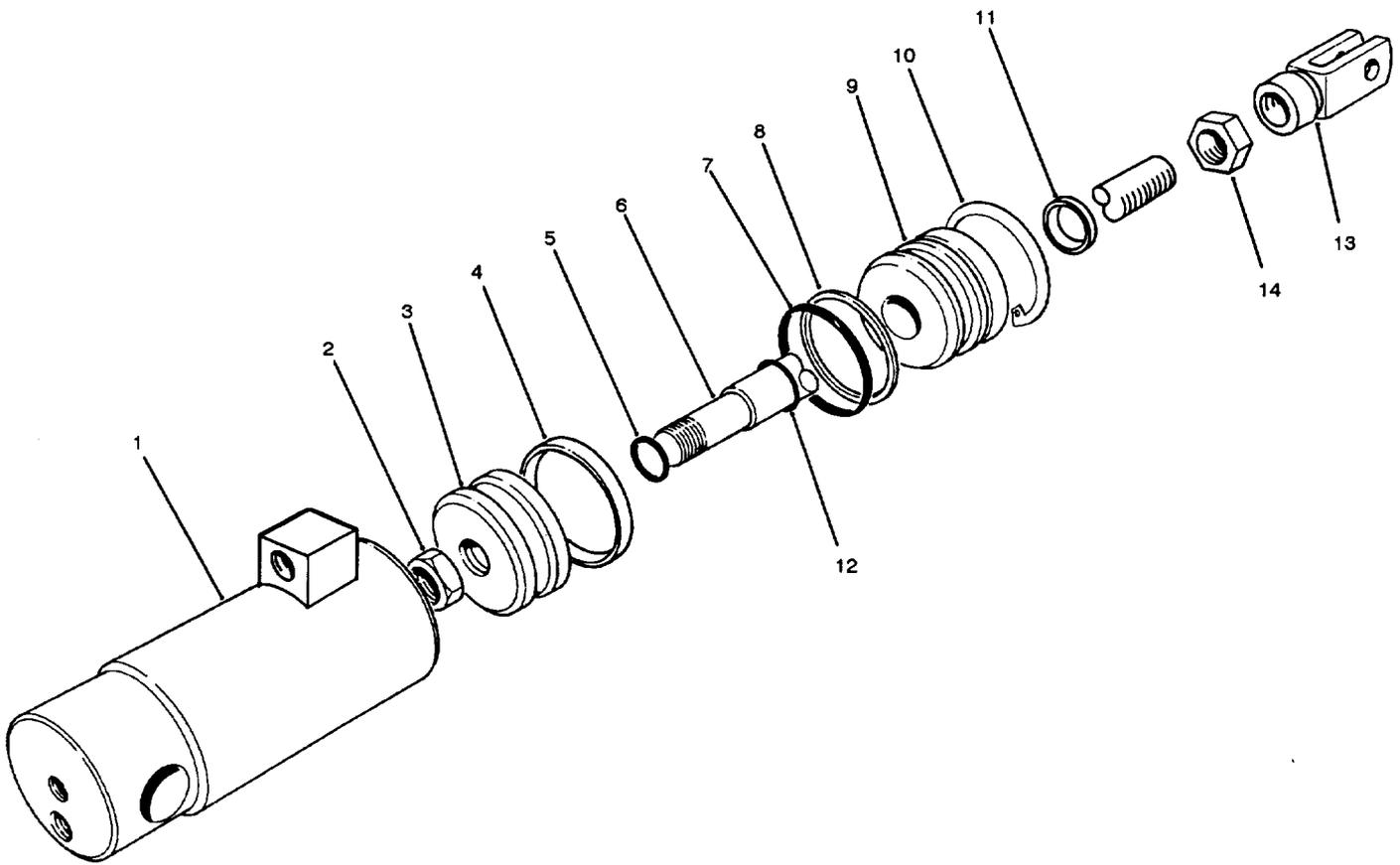


T-1284

PULL FRAME ASSEMBLY R.H.

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	86-9820	Frame - Pull R.H.	1	24	10-6110	Pin - Pivot	1
2	3220-3	Nut - Jam	2	25	10-7820	Pivot Hinge Assembly (Incl. Ref. #14)	1
‡3	62-5070	Decal - Danger	1	26	3256-24	Washer - Flat	2
4	8-7710	Ball Joint Receiver Assy. (Incl. Ref. #5-7)	2	27	3253-21	Washer - Lock	2
5		Spring - Compression	2	28	11-0160	Roller Shaft Screw Assy. (Incl. Ref. #29)	2
6		Sleeve	2	29	302-5	Fitting - Grease	4
7		Ring - Retaining	2	30	3-1506	Bushing - Flange	4
8	62-2440	Lift Arm Assembly (Incl. Ref. #14)	1	31	92-0586	Pull Arm Assembly L.H. (Incl. Ref. #29 & 30)	1
9	62-2420	Bar - Lift	1	32	3290-317	Washer - Wave	2
10	63-8750	Pin - Pivot	1	33	10-6090	Pin - Pivot	1
11	57-7650	Spring - Torsion	1	34	92-0585	Pull Arm Assembly R.H. (Incl. Ref. #29 & 30)	1
12	3256-26	Washer - Flat	1	35	52-2720	Roller Assembly (Incl. Ref. #37)	1
13	3272-11	Pin - Cotter	2	36	21-8470	Shaft - Roller	1
14	3-0348	Bushing - Sleeve	6	37	251-141	Bearing - Ball	2
15	10-8110	Washer - Thrust	6	38	237-78	Seal - O-Ring	2
16	5-1226	Washer - Shim	2	39	83-1210	Hose - Hydraulic (Incl. Ref. #38)	1
17	302-60	Fitting - Grease 90°	2	40	63-3880	Hose - Hydraulic (Incl. Ref. #38)	1
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				

‡For different language versions of this part, see International Decal Cross Reference.



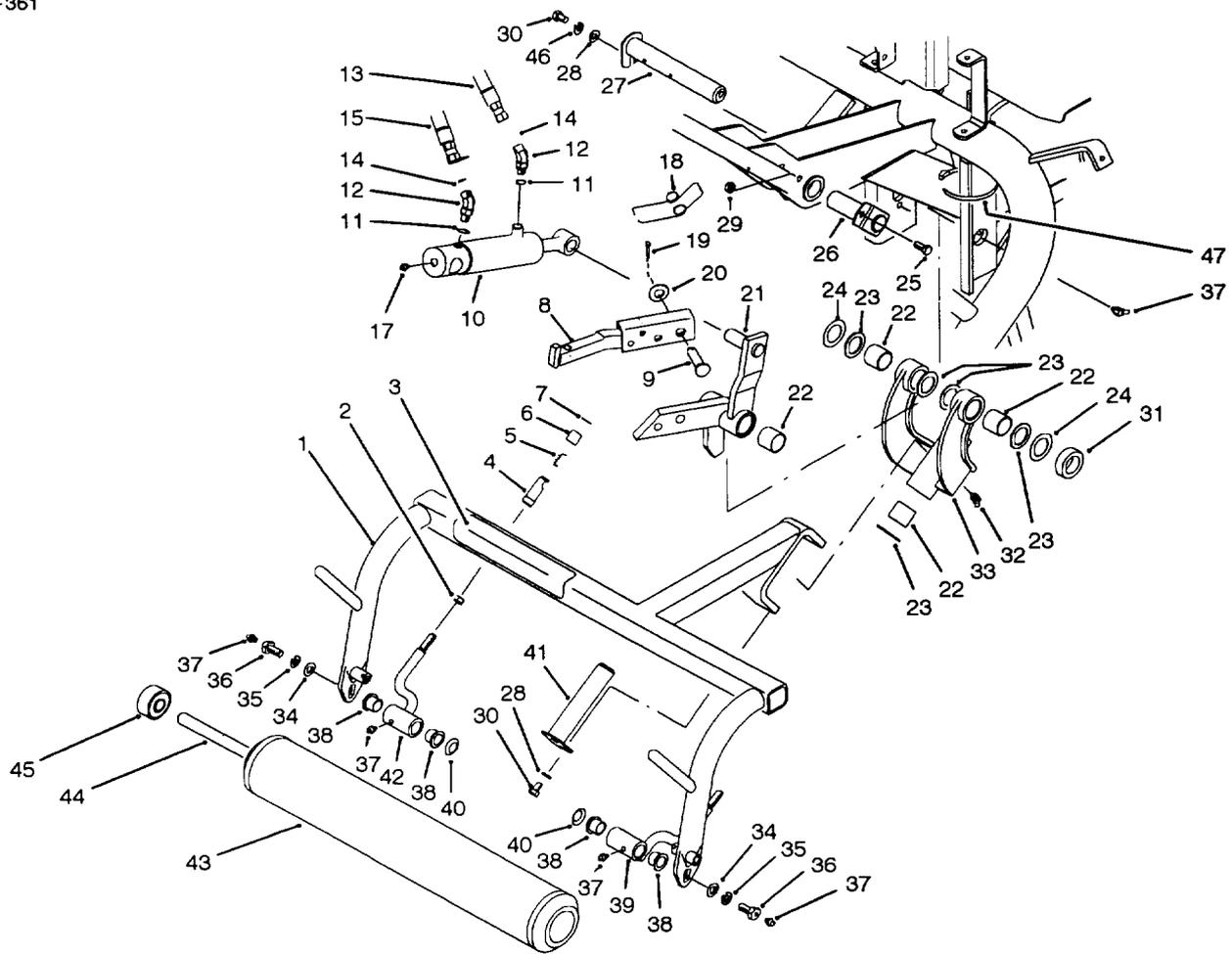
T-1246

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

*Not Illustrated

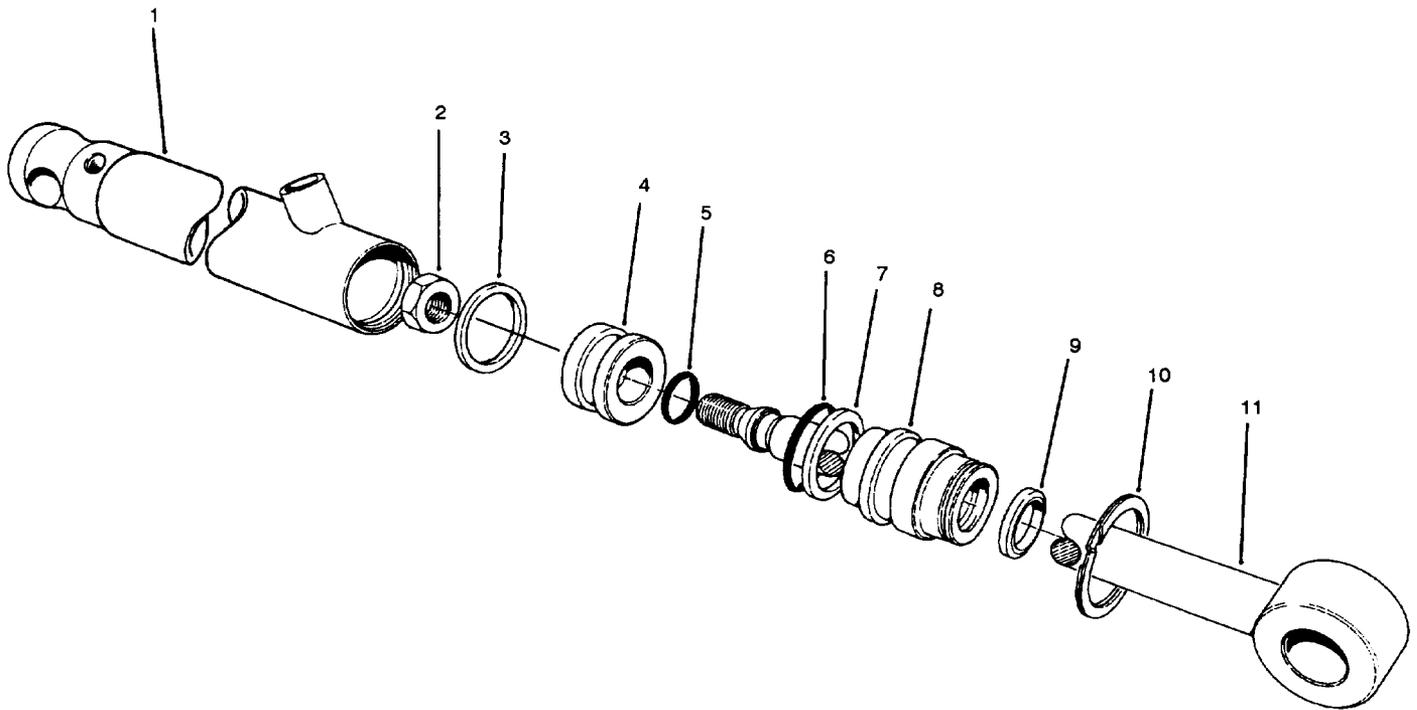


T-1286

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	62-5070	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	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	46	3253-4	Washer - Lock	1
23	10-8110	Washer - Thrust	6	47	3290-379	Tie - Cable	1
24	5-1226	Washer - Shim	2				
25	322-3	Screw - Cap Hex. Hd.	1				

‡For different language versions of this part, see International Decal Cross Reference.



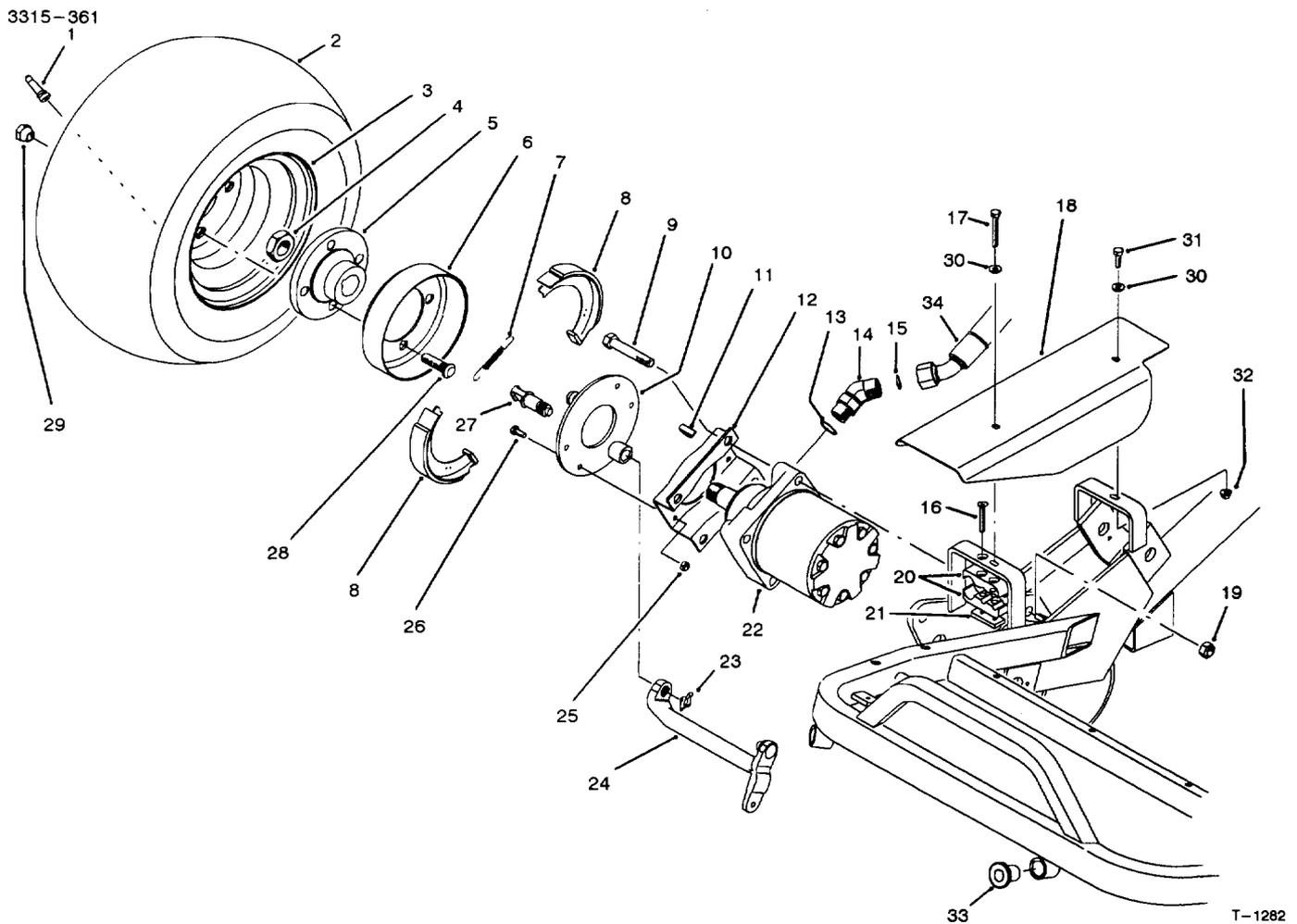
T-0640

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



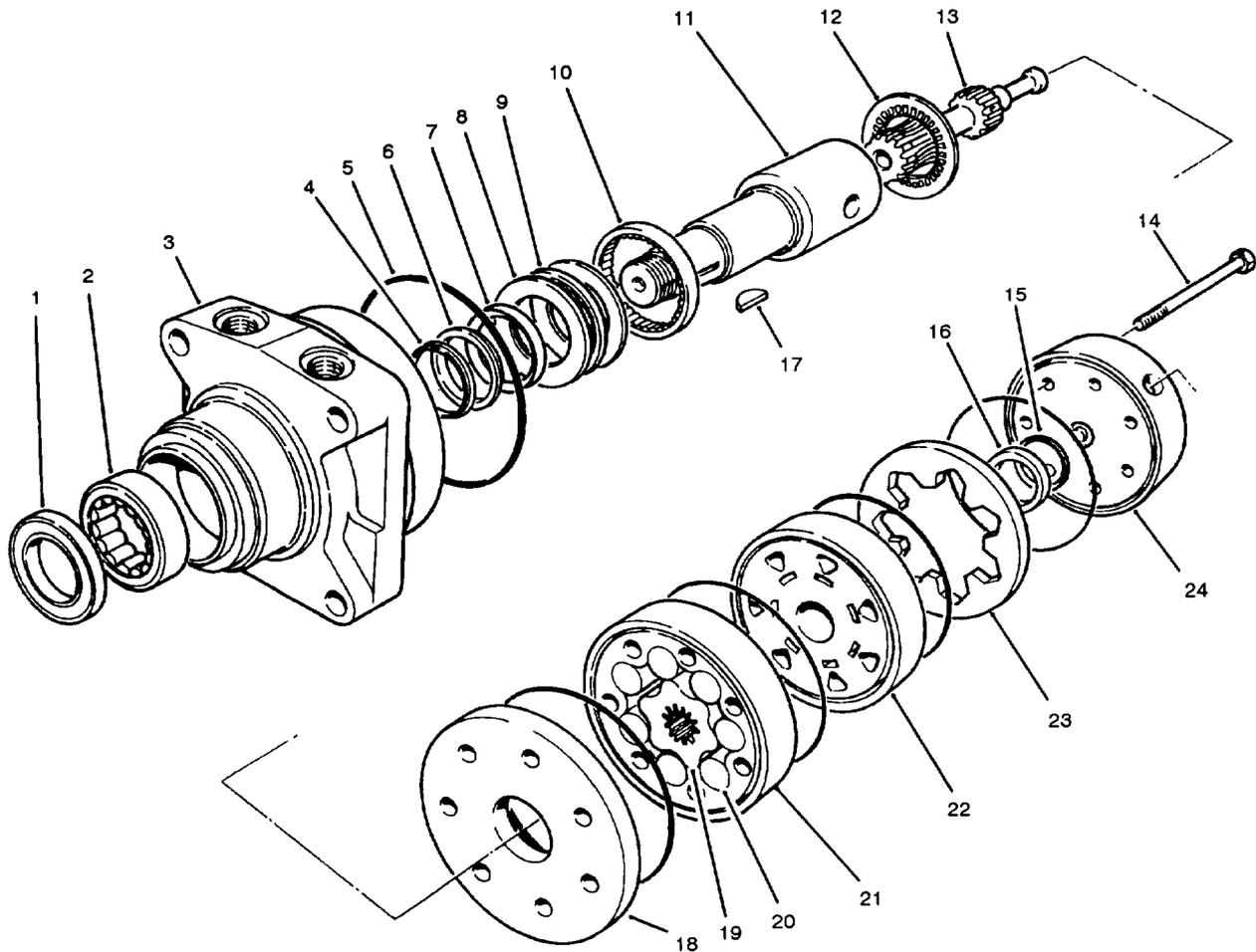
FRONT WHEEL & BRAKE ASSEMBLY

T-1282

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

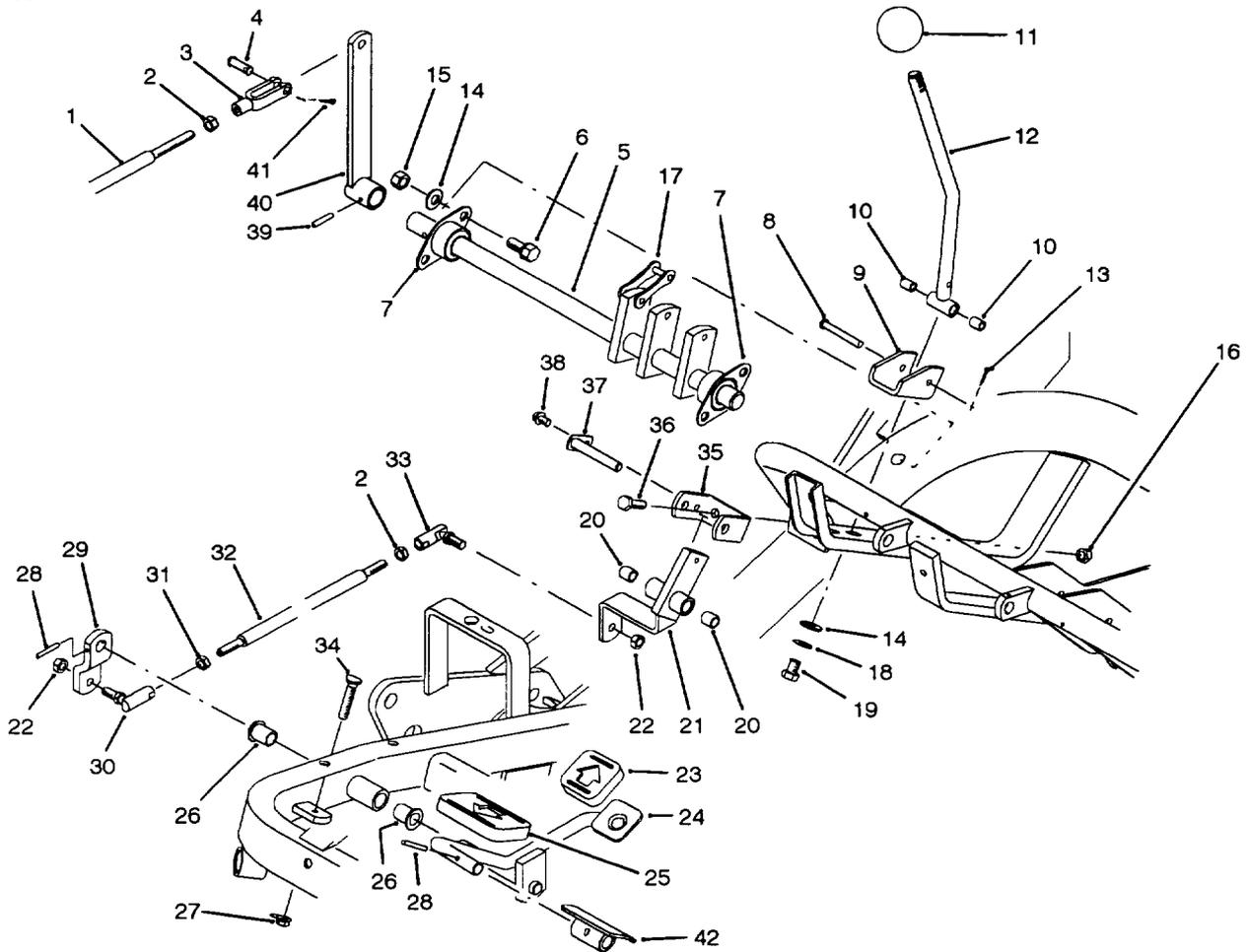


T-0983

HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 75-9990

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Seal - Dirt & Water	1	17	3257-42	Key - Woodruff	1
2		Bearing	1	18	76-0870	Plate - Wear	1
3		Housing	1	19		Rotor	1
4		Washer - Back-Up	1	20		Vane	7
5		Ring - Seal	5	21		Stator	1
6		Washer - Back-Up	1	22	76-0840	Manifold	1
7		Seal - Inner	1	23		Ring - Commutator	1
8		Washer - Thrust	2	24	76-0940	End Cover Assembly	1
9		Bearing - Thrust	1	*	76-0970	Rotor Set (Incl. Ref. #19-21)	1
10		Bearing	1	*	76-0880	Commutator Assembly (Incl. Ref. #15, 16 & 23)	1
11	76-0860	Shaft - Coupling	1	*	76-0800	Seal Kit (Incl. Ref. #1, 4-7 & 15)	1
12	76-0850	Bearing - Thrust	1	*	76-0810	Housing Assembly (Incl. Ref. #2, 3 & 8-10)	1
13	76-0960	Link - Drive	7				
14	76-1010	Screw - Cap Hex. Hd.	1				
15		Seal - Commutator	1				
16		Commutator	1				

*Not Illustrated

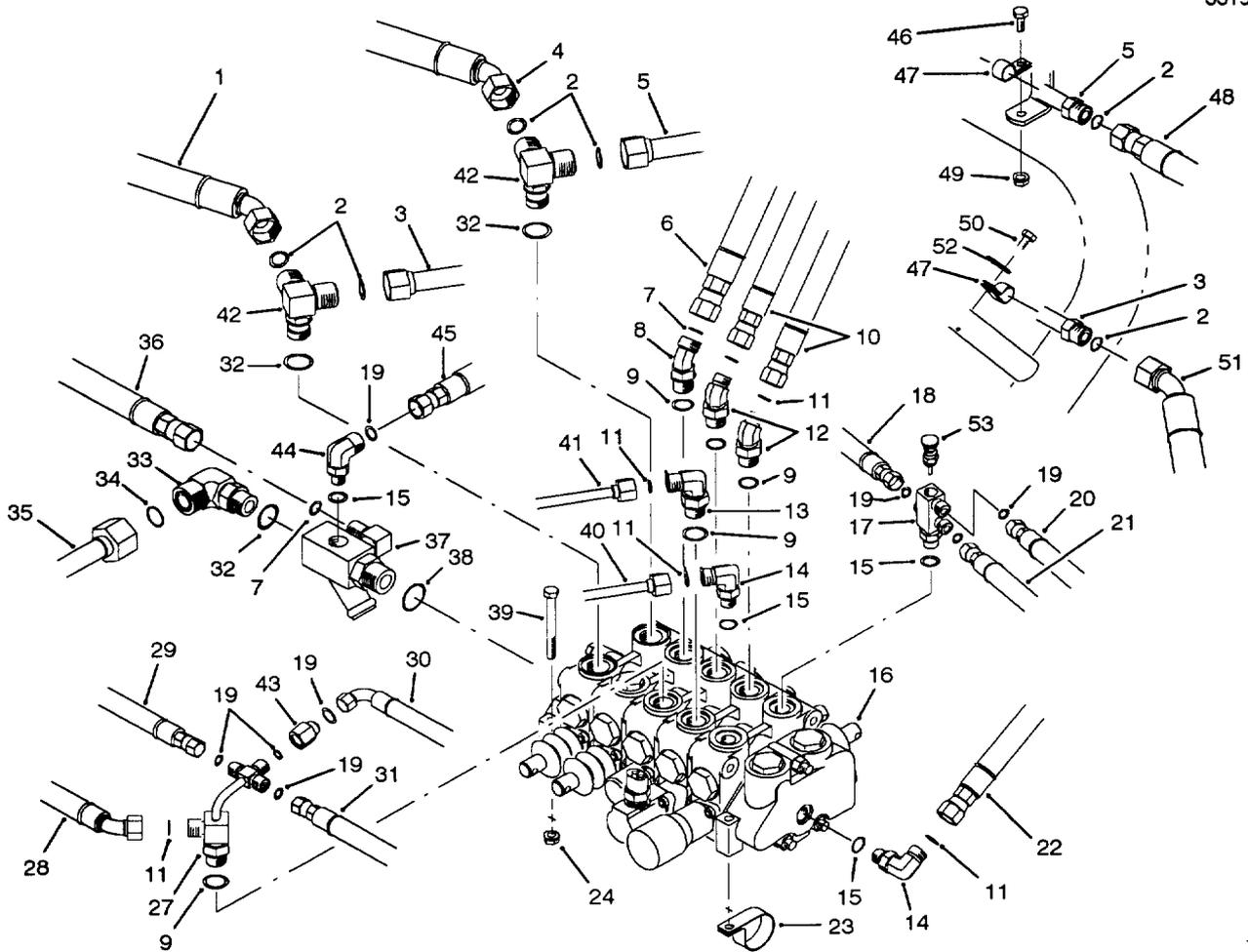


T-1287

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

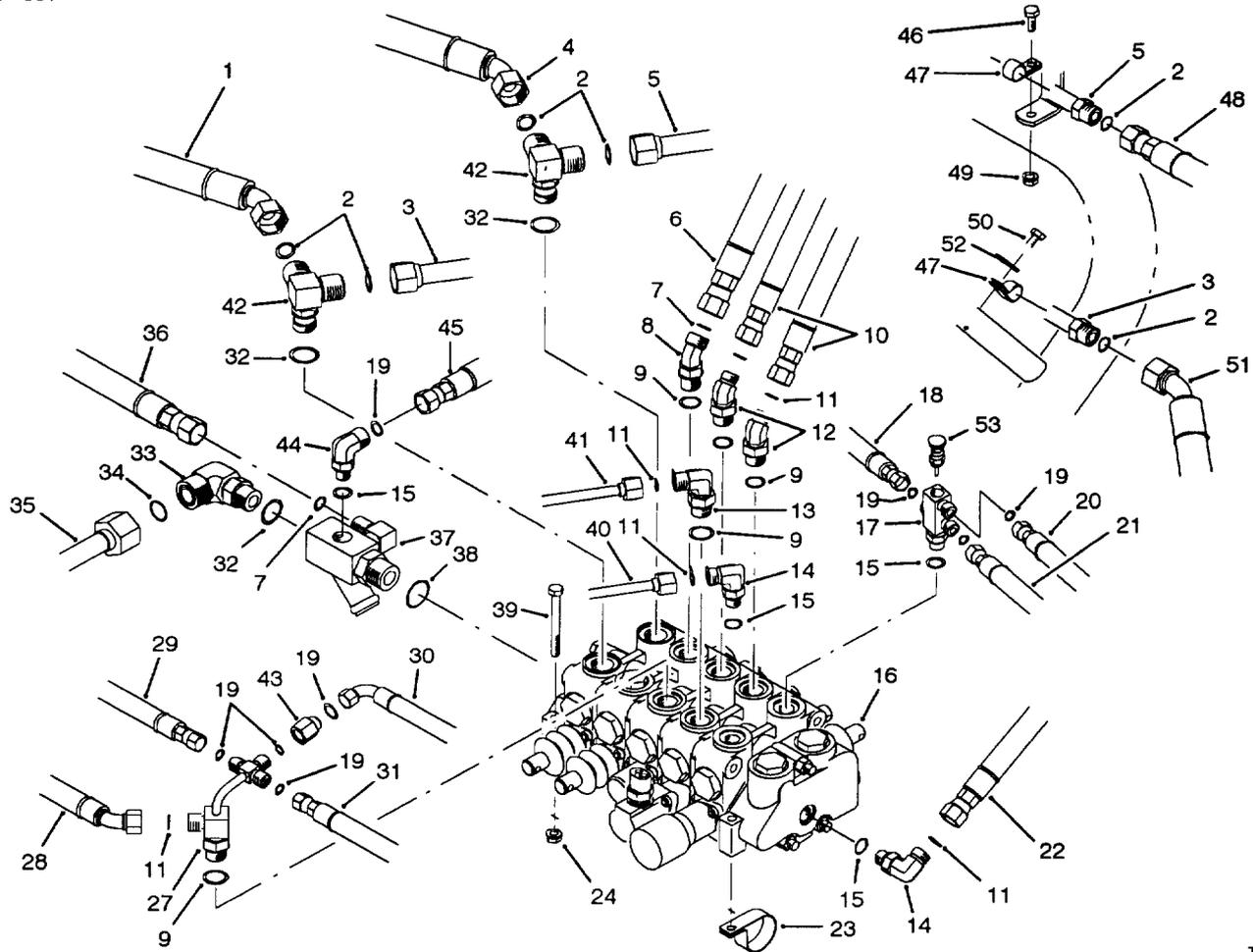
Ref. No.	Part No.	Description	No. Used
22	3296-4	Nut - Lock	2
23	74-9110	Pad - Reverse Pedal	1
24	83-0540	Pedal - Traction	1
25	74-9100	Pad - Forward Pedal	1
26	256-155	Bushing - Flange	2
27	32128-20	Nut - Flange Lock	1
28	32121-45	Pin - Roll	2
29	83-0630	Arm - Traction Pivot	1
30	2411-42	Joint - Ball 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-1294

CONTROL VALVE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	83-2450	Hose - Hydraulic	1	22	83-1170	Hose - Hydraulic	1
2	237-65	Seal - O-Ring	6	23	304-61	Clamp - R	1
3	70-7130	Tube Assy. (Incl. Ref. #2)	1	24	32128-20	Nut - Flange Lock	3
4	83-2460	Hose - Hydraulic	1	27	83-1670	Fitting - Special (Incl. Ref. #9, 11 & 19)	1
5	83-1200	Tube Assy. (Incl. Ref. #2)	1	28	74-3830	Hose - Hydraulic	1
6	83-1180	Hose - Hydraulic	1	29	63-3880	Hose - Hydraulic	1
7	237-30	Seal - O-Ring	2	30	83-1680	Hose - Hydraulic	1
8	340-101	Fitting - Hydraulic 45° (Incl. Ref. #7 & 9)	1	31	63-3850	Hose - Hydraulic	1
9	237-79	Seal - O-Ring	5	32	237-80	Seal - O-Ring	3
10	83-1190	Hose - Hydraulic	2	33	340-16	Fitting - Hydraulic 90° (Incl. Ref. #32 & 34)	1
11	237-22	Seal - O-Ring	6	34	237-58	Seal - O-Ring	1
12	340-138	Fitting - Hydraulic 45° (Incl. Ref. #9 & 11)	2	35	63-4040	Tube - Hydraulic	1
13	340-18	Fitting - Hydraulic 90° (Incl. Ref. #9 & 11)	1	36	63-3840	Hose - Hydraulic	1
14	340-77	Fitting - Hydraulic 90° (Incl. Ref. #11 & 15)	2	37	68-5260	Fitting - Manifold Tee (Incl. Ref. #7 & 38)	1
15	237-42	Seal - O-Ring	4	38	237-81	Seal - O-Ring	1
16	84-2202	Control Valve Assembly	1	39	322-14	Screw - Cap Hex. Hd.	3
17	92-0587	Fitting - Valve Body (Incl. Ref. #15 & 19)	1	40	63-4020	Tube - Hydraulic	1
18	83-3880	Hose - Hydraulic	1	41	63-4030	Tube - Hydraulic	1
19	237-21	Seal - O-Ring	9	42	63-4050	Fitting - Tee (Incl. Ref. #2 & 32)	2
20	84-8260	Hose - Hydraulic	1	43	71-0990	Orifice (Incl. Ref. #19)	1
21	83-1690	Hose - Hydraulic	1	44	340-137	Fitting - Hydraulic 45° (Incl. Ref. #15 & 19)	1



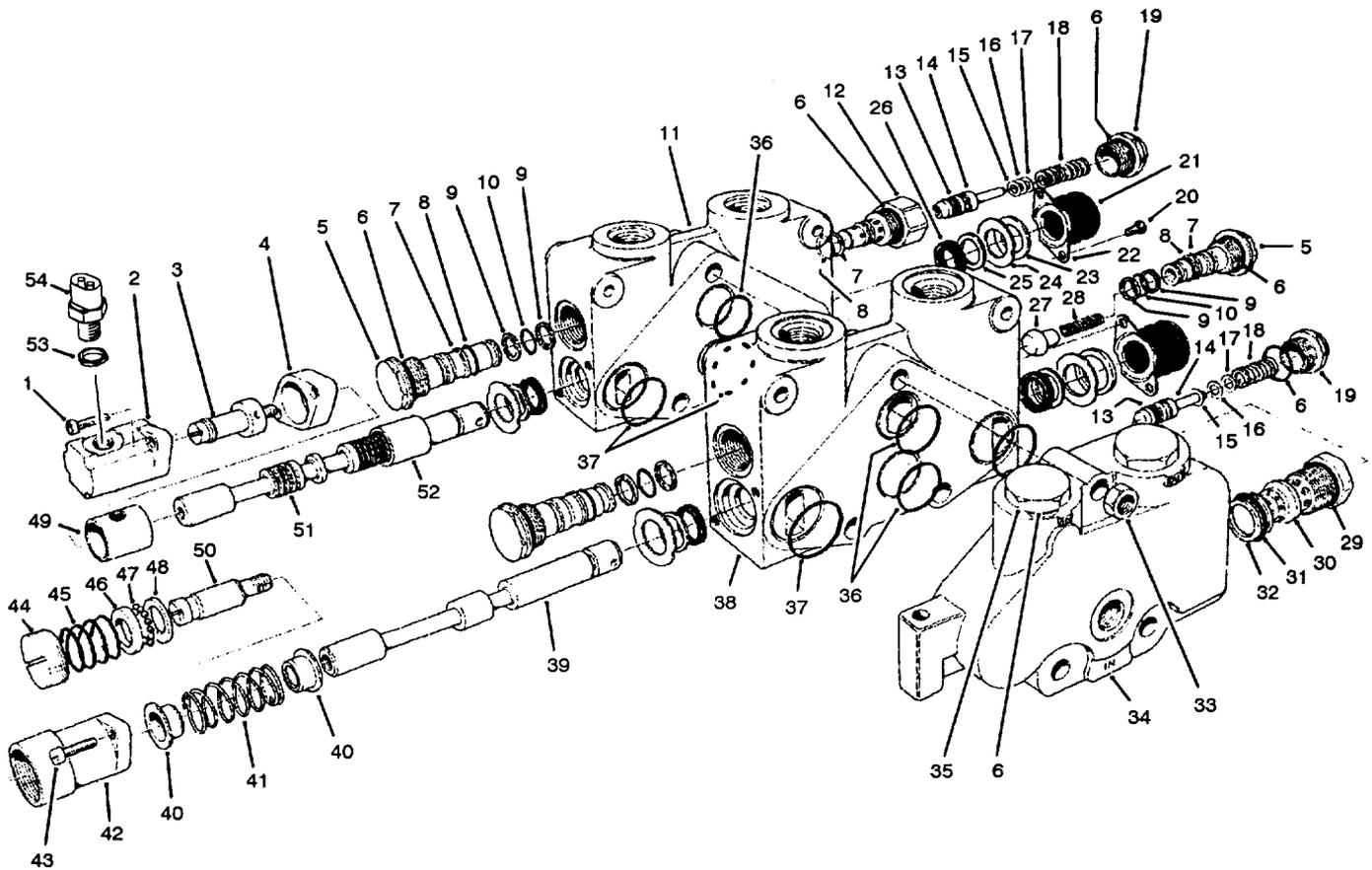
T-1294

CONTROL VALVE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
45	83-1350	Hose - Hydraulic	1
48	70-7150	Hose - Hydraulic	1
49	3296-16	Nut - Lock	1
50	12-3270	Screw - Thread Forming	1
51	70-8610	Hose - Hydraulic	1

Ref. No.	Part No.	Description	No. Used
52		Washer - Flat	1
53	92-0588	Valve - Needle	1
*	88-9500	Needle Valve Assembly (Incl. Ref. #15, 17, 19 & 53)	1

*Not Illustrated

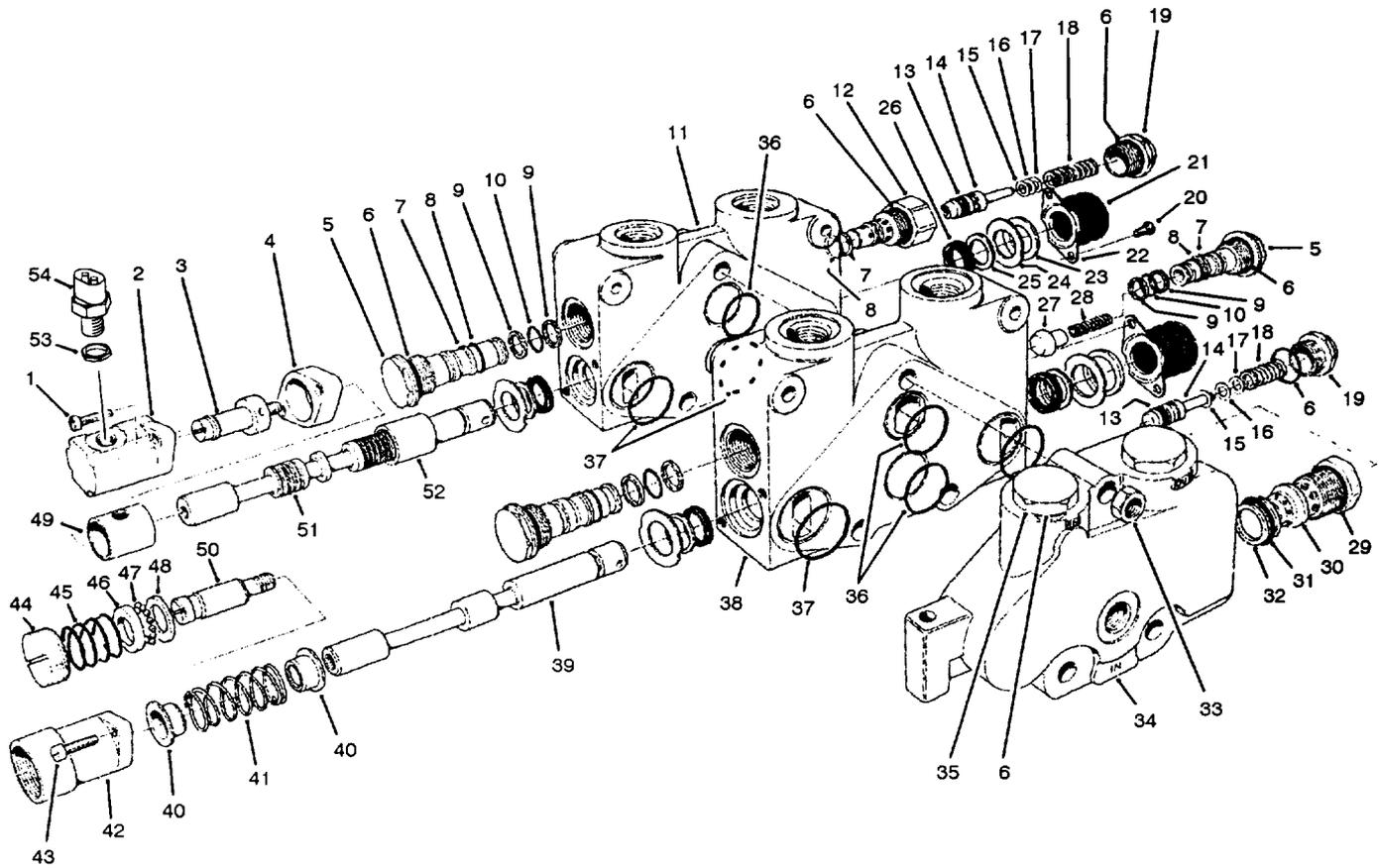


T-1318

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	92-2547	Plate - Seal Retainer	4
2	353-727	Bonnet	1	25	92-2546	Wiper - Seal	4
3	353-729	Spud - Detent	1	26	353-957	Seal - Lip	4
4	353-733	Spacer - Bonnet	1	27	353-301	Poppet	1
5	353-481	Plug - Load Check (Incl. Ref. #6-10)	3	28	353-304	Spring	1
6	237-54	O-Ring	8	29	353-331	O-Ring	1
7	353-306	Ring - Backup	4	30	353-760	Body Relief	1
8	353-305	O-Ring	4	31	353-758	Seal - O-Ring	1
9	353-303	Ring - Backup	6	32	353-952	Ring - Backup	1
10	353-302	O-Ring	3	33	3217-7	Nut - Hex	3
11		Housing V20T	1	34	353-772	Left End Cover	1
12	353-851	Body - Relief CP-RC Mod.	1	35	353-721	Plug (Incl. Ref. #6)	2
13	353-392	Seal - Relief Poppet PTFE	2	†36		O-Ring	3
14	353-531	Poppet Assy. (Incl. Ref. #13)	2	†37		O-Ring	4
15	353-328	Washer - Shim	A/R	†38		Housing Section #1	1
16	353-329	Washer - Shim	A/R	†39		Spool V20 SPL	1
17	353-330	Washer - Shim	A/R	40	353-417	Collar Spring	2
18	353-855	Spring	2	41	92-3058	Spring - Centering	1
19	353-334	Cap - Relief	2	42	353-780	Bonnet - R. Detent	1
20	3274-52	Screw - Hex, Socket Hd.	4	43	3274-15	Screw - Fillister Hd.	2
21	353-575	Boot - Dust Cap	2	44	353-763	Cap - Adjustment	1
22	353-559	Retainer - Boot	2	45	353-579	Spring	1
23	353-560	Washer - Breather	2	46	42-2680	Race R. Detent	1
				47	52-5880	Ball - Steel	12

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



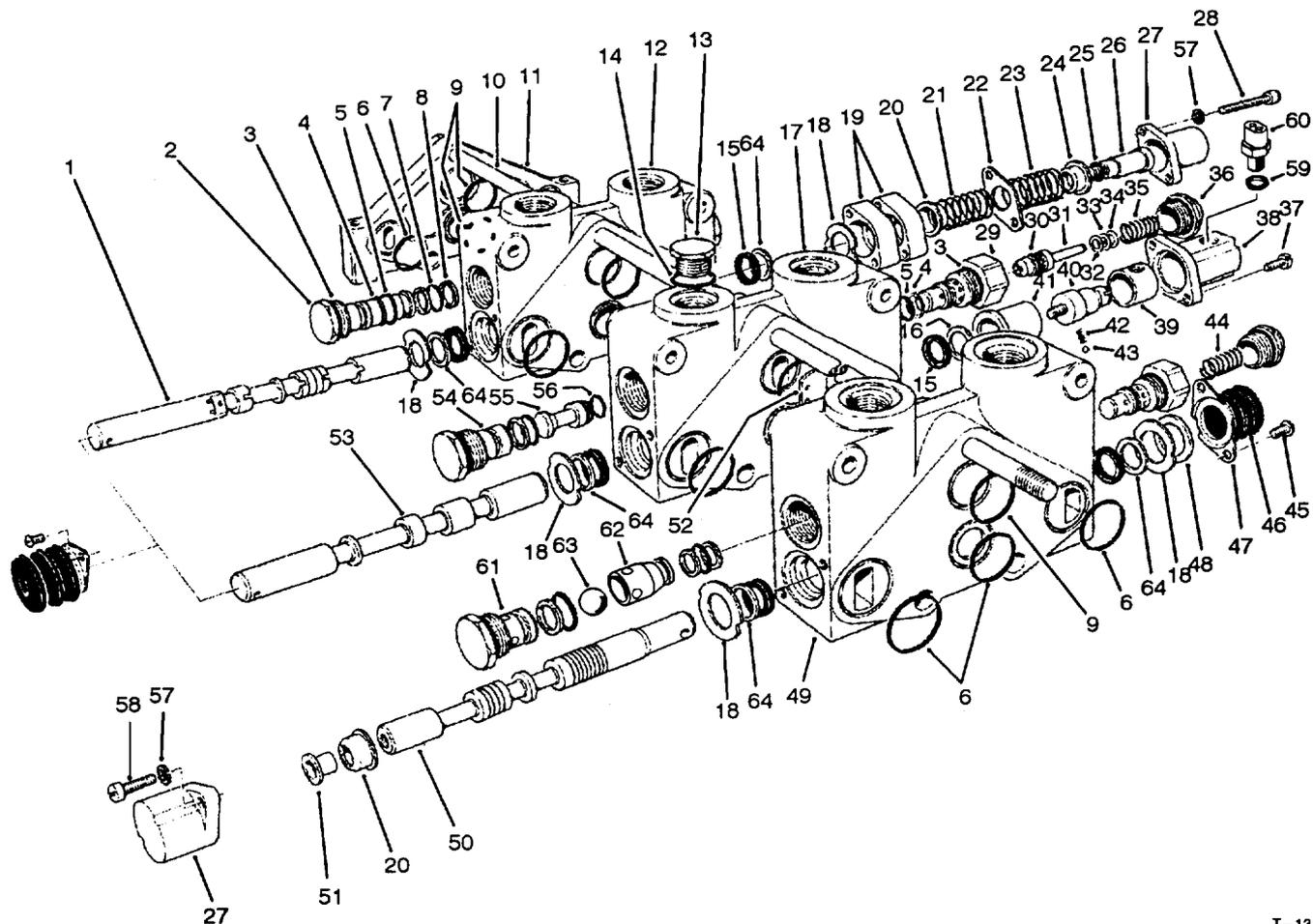
T-1318

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
48	354-29	Plate - Thrust	1	*	353-839	Positioner - DI (SPL) Assy. (Incl. Ref. #1, 3-5, 50 & 52)	1
49	353-728	Sleeve	1	*	353-642	Relief - RC Mod. (Incl. Ref. #6-8 & 12-19)	2
50	353-780	Spud - Detent Out (Incl. Ref. #44)	1	*	353-854	Boot - Spool Assembly (Incl. Ref. #20-23)	2
†51		Spool V20 3 Way F.F.	1	*	353-835	Seals - Section Set (Incl. Ref. #36 & 37)	1
52	353-732	Sleeve - Detent	1	*	92-2548	Seals - Spool (Single End Set) (Incl. Ref. #24-26)	1
53	38-0410	Nut - Hex.	1	*	92-2545	Seals - Spool (Entire Valve Set)	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				

*Not Illustrated

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



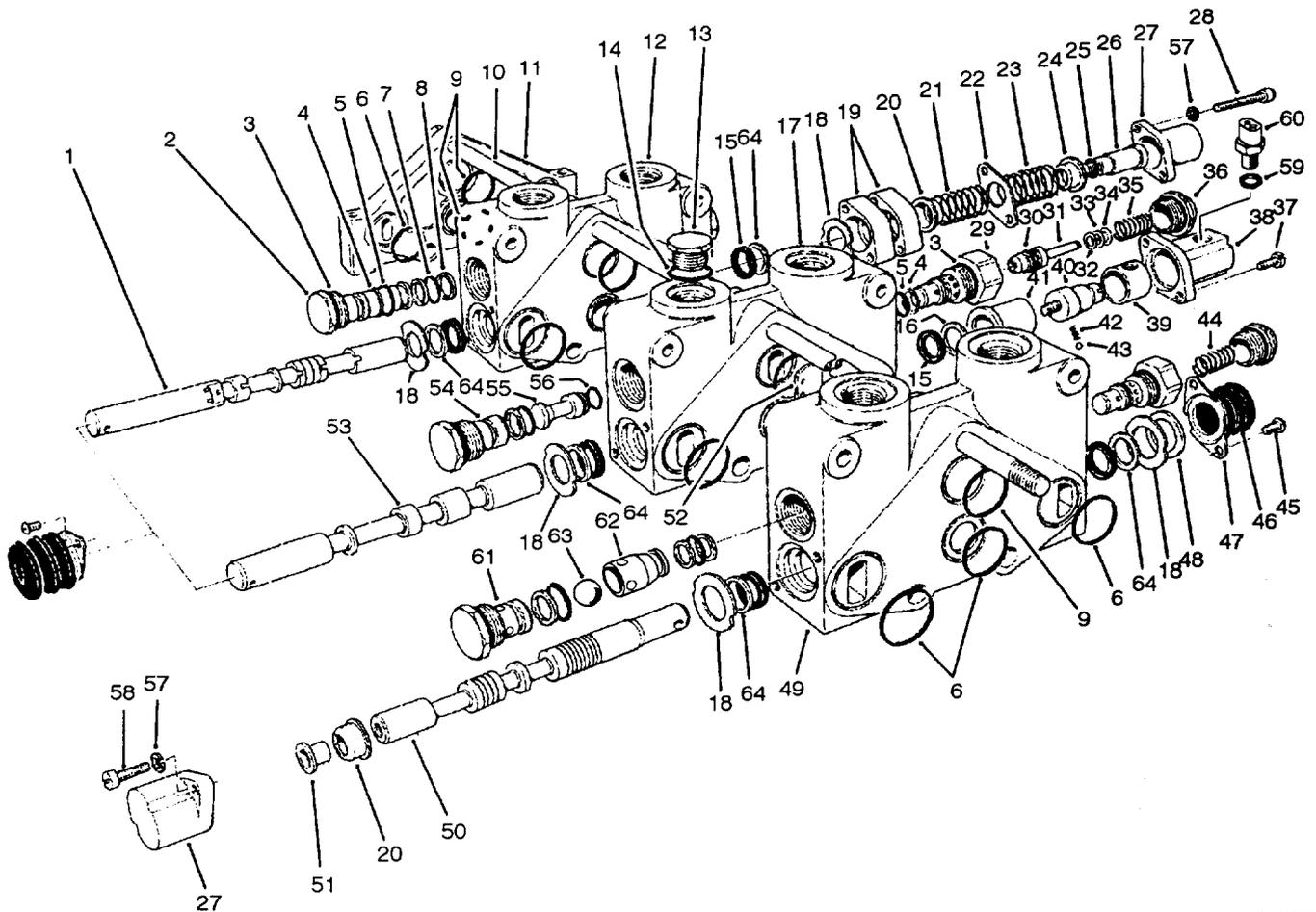
T-1319

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	1
†17		Housing V20 #4	1
18	92-2547	Plate - Seal Retainer	6
19	353-733	Spacer - Bonnet	2
20	353-417	Collar Spring	2
21	353-831	Spring	1
22	353-529	Plate Seal	1
23	353-530	Spring	1

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

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



T-1319

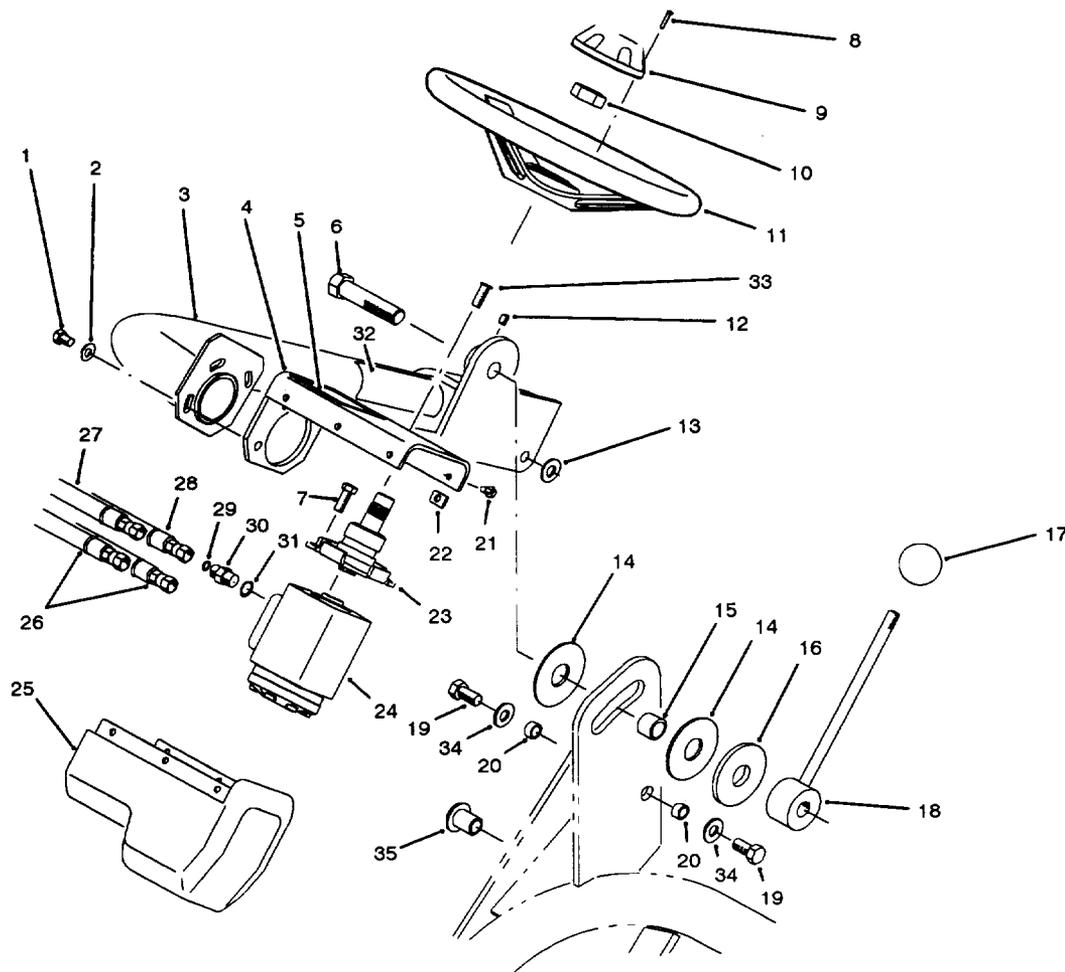
CONTROL VALVE ASSEMBLY NO. 84-2202 (Sections 3 Thru 5) (Continued)

Ref. No.	Part No.	Description	No. Used
†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	354-122	Disc - Seal	1
†53		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
64	92-2546	Wiper - Seal	5
*	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
*	353-854	Boot - Spool Assembly (Incl. Ref. #45-48)	3

Ref. No.	Part No.	Description	No. Used
*	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
*	92-2548	Seals - Spool (End Set) (Incl. Ref. #15, 18 & 64)	1
*	92-2549	Seals - Spool (End Set #4 Rear Only) (Incl. Ref. #15, 16 & 18)	1
*	92-2545	Seals - Spool (Entire Valve Set)	1

*Not Illustrated

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

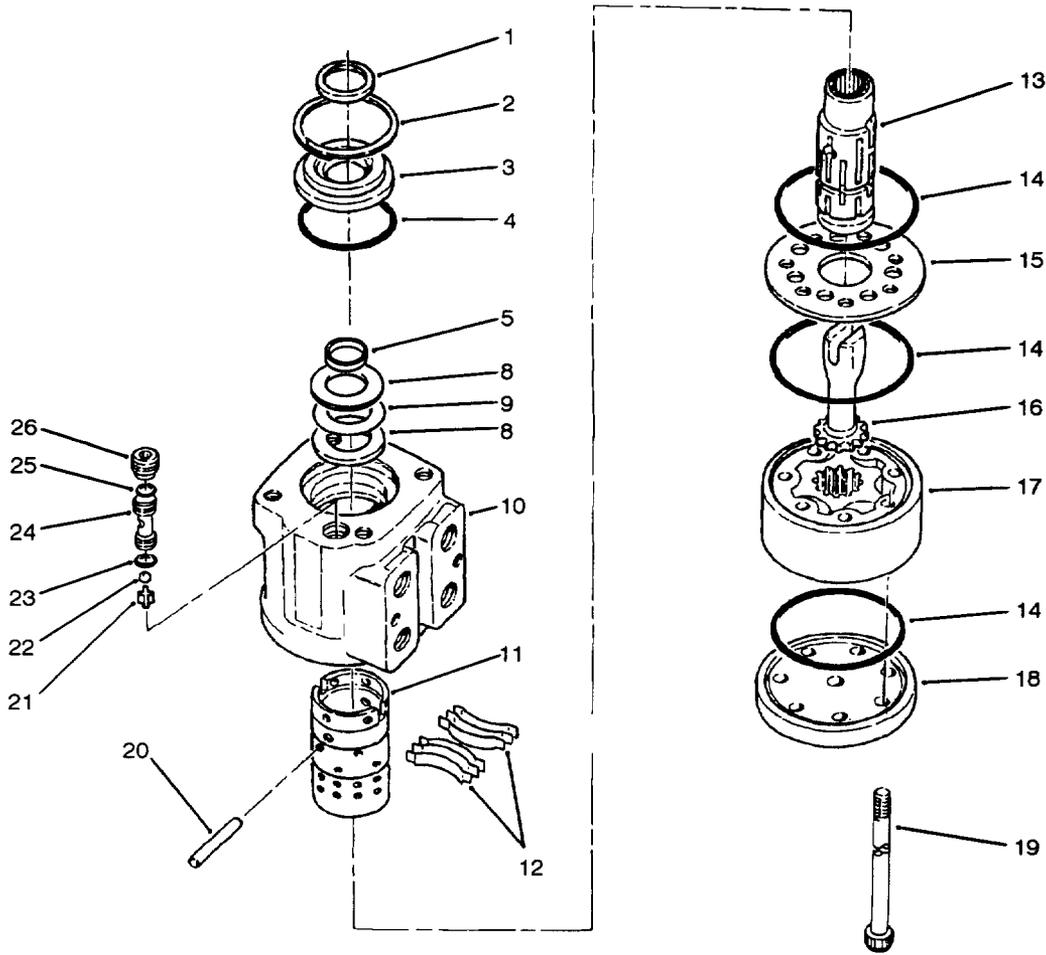


T-1291

STEERING ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-80	Screw - Cap Hex. Hd.	3	19	325-4	Screw - Cap Hex. Hd.	2
2	3256-80	Washer - Flat	3	20	47-2890	Bushing - Sleeve	2
3	83-0650	Arm - Steering	1	21	3274-39	Screw - Cap Hex. Hd.	6
4	83-0780	Support - Steering Valve	1	22	3290-277	Nut - Tinnerman	6
‡5	83-1790	Decal - Warning	1	23	83-1420	Column - Steering	1
6	83-0750	Screw - Cap Hex. Hd. L.H.	1	24	58-3953	Steering - Valve Assembly	1
7	323-4	Screw - Cap Hex. Hd.	2	25	83-0810	Cover - Steering Valve	1
8	32144-21	Screw - Round Hd.	2	26	83-1350	Hose - Hydraulic	2
9	68-5140	Cap - Steering Wheel	1	27	83-1360	Hose - Hydraulic	1
10	47-6990	Nut - Steering Wheel	1	28	83-1370	Hose - Hydraulic	1
11	68-5130	Steering Wheel Assembly (Incl. Ref. #8 & 9)	1	29	237-21	Seal - O-Ring	4
12	3246-3	Screw - Set	1	30	340-1	Fitting - Hydraulic Straight (Incl. Ref. #29 & 31)	4
13	65-6390	Washer - Thrust	1	31	237-42	Seal - O-Ring	4
14	83-0740	Disc - Friction	2	‡32	83-2050	Decal - Steering Arm	1
15	83-0730	Spacer - Lockup	1	33	3274-63	Screw - Hex. Socket Hd.	2
16	83-0760	Plate - Lockup	1	34	3256-26	Washer - Flat	2
17	233-48	Knob	1	35	83-1700	Bushing - Flange	1
18	83-0700	Handle - Lockup	1				

‡For different language versions of this part, see International Decal Cross Reference.



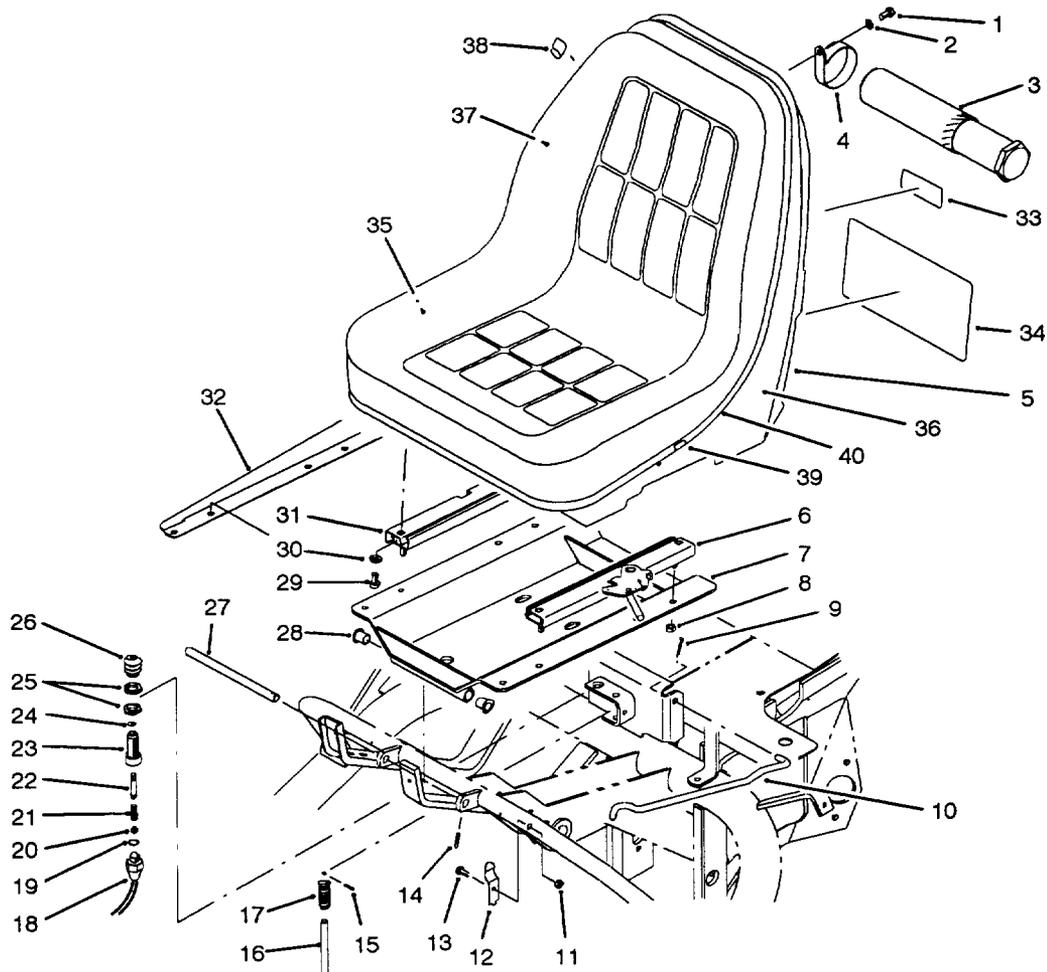
T-1442

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



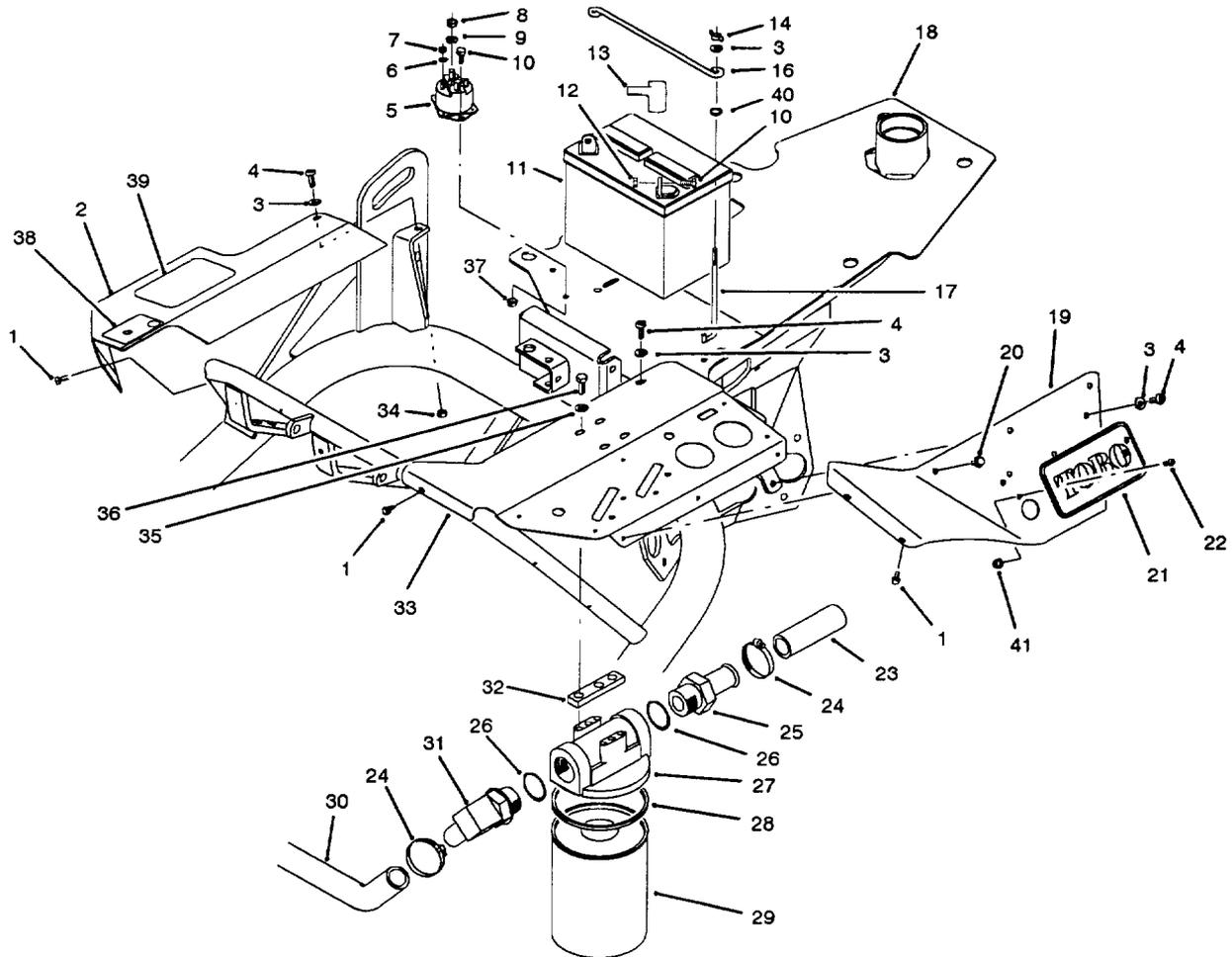
T-1290

SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-2	Screw - Cap Hex. Hd.	2	23	43-8620	Guide - Switch	1
2	3253-4	Washer - Lock	2	24	237-7	Seal - O-Ring	1
3	74-0720	Tube - Manual	1	25	218-461	Nut - Hex.	2
4	2412-133	Clamp - R	2	26	43-8870	Boot - Switch	1
5	75-9190	Seat Assembly	1	27	49-5880	Shaft - Seat Support	1
6	51-0790	Adjuster - Seat	1	28	256-155	Bushing - Flange	2
7	83-1270	Seat Support Assembly (Incl. Ref. #28)	1	29	3274-12	Screw - Hex. Socket Hd.	4
8	3296-29	Nut - Lock	4	30	3256-23	Washer - Flat	4
9	3272-11	Pin - Cotter	1	31	51-0780	Slider - Seat	1
10	68-5100	Rod - Seat Prop	1	32	83-1840	Cover - R.H.	1
11	3296-16	Nut - Lock	1	‡33	58-6530	Decal - Hydraulic Oil	1
12	68-5310	Clip - Seat Rod	1	‡34	83-1780	Decal - Service	1
13	321-3	Screw - Cap Hex. Hd.	1	35	75-9720	Cushion - Seat (Incl. Ref. #38 & 39)	1
14	32121-45	Pin - Roll	1	36	351-81	Shell	1
15	3284-3	Pin - Groove	1	37	75-9810	Backrest (Incl. Ref. #38 & 39)	1
16	51-0350	Pin - Seat Spring	1	38	351-79	Clip	6
17	3-6685	Spring - Compression	1	39	351-80	Clip - Joint	1
18	72-4320	Switch - Ball	1	40	351-78	Edging	1
19	237-30	Seal - O-Ring	1	*	43-9071	Seat Switch Assembly (Incl. Ref. #18-26)	1
20	43-8610	Seat - Ball	1				
21	43-8600	Spring - Compression	1				
22	43-8860	Plunger - Switch	1				

*Not Illustrated

‡For different language versions of this part, see International Decal Cross Reference.

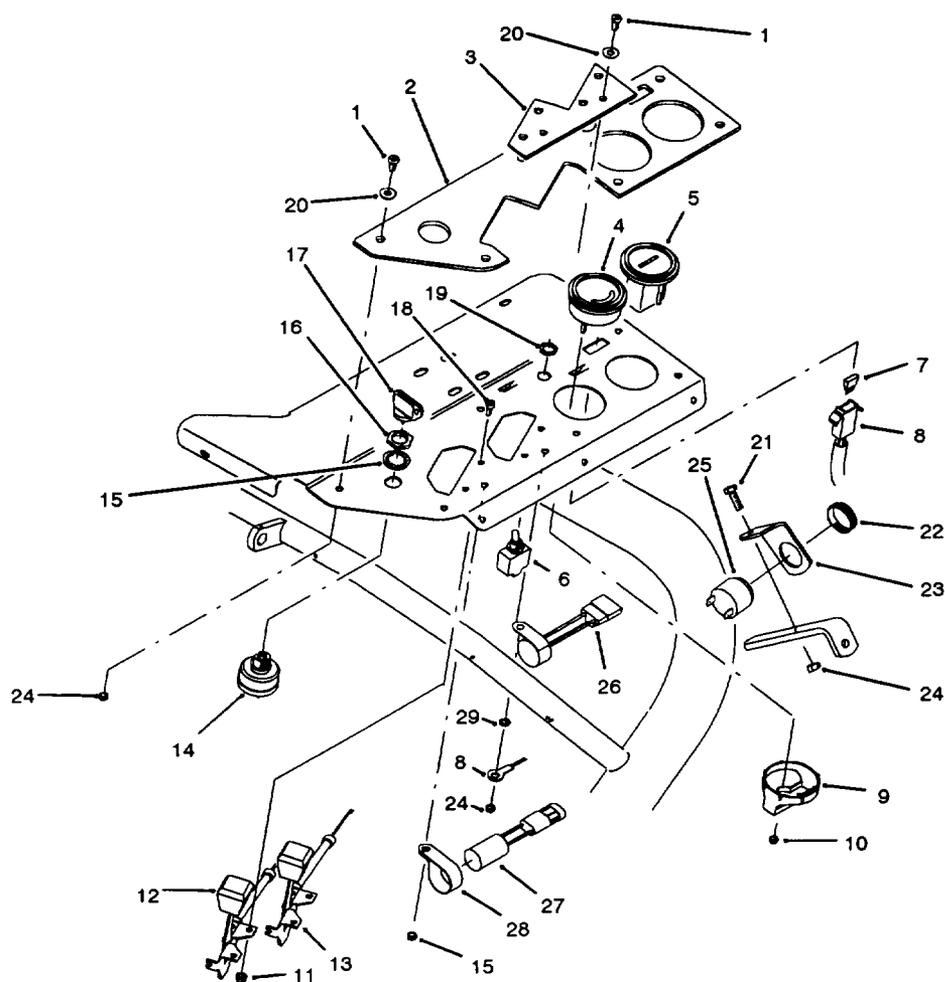


T-1295

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 (Incl. Ref. #26)	1
3	3256-22	Washer - Flat	5	26	237-101	Seal - O-Ring	2
4	3274-64	Screw - Hex. Socket Hd.	3	27	44-5560	Head - Oil Filter	1
5	28-4210	Solenoid - Starter	1	28	72-3850	Seal - Filter	1
6	3254-1	Washer - Lock	2	29	74-3570	Filter - Hydraulic Oil (Incl. Ref. #28)	1
7	3219-14	Nut - Hex.	2	30	68-5880	Hose - Hydraulic	1
8	3218-13	Nut - Jam	2	31	353-564	Fitting - Hydraulic 90° (Incl. Ref. #26)	1
9	3253-4	Washer - Lock	2	32	27-2380	Spacer	2
10	321-3	Screw - Cap Hex. Hd.	4	33	83-0830	Panel - Control Upper	1
11	28-1400	Battery	1	34	3296-16	Nut - Lock	3
12	3217-5	Nut - Hex.	2	35	3256-23	Washer - Flat	4
13	28-8080	Boot Terminal	1	36	322-4	Screw - Cap Hex. Hd.	4
14	32103-12	Nut - Wing	2	37	32149-2	Nut - Keps	2
16	72-4790	Hold-Down - Battery	1	‡38	83-1850	Decal - Traction	1
17	56-7720	Bolt - Battery	2	39	67-1300	Decal - TORO	1
18	83-0220	Frame Assembly	1	40	237-143	Grommet	2
19	83-0840	Fender - L.H.	1	41	32149-7	Nut - Keps	2
20	46-8560	Screw - Self Taping	3				
21	61-3310	Plate - Logo	1				
22	3290-470	Screw - Flat Hd.	2				
23	83-1430	Hose - Hydraulic	1				

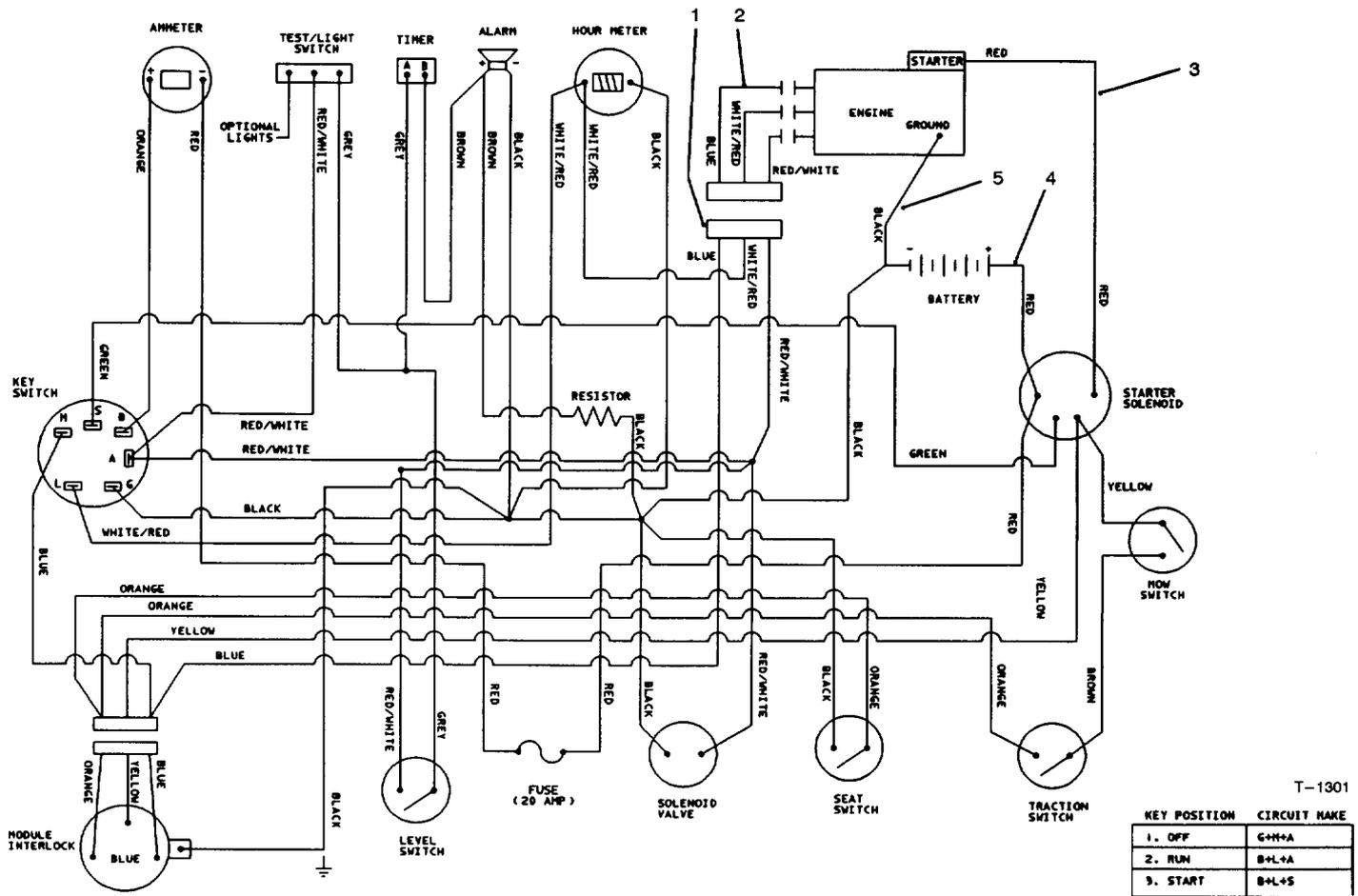
‡For different language versions of this part, see International Decal Cross Reference.



T-1296

CONTROL PANEL ASSEMBLY

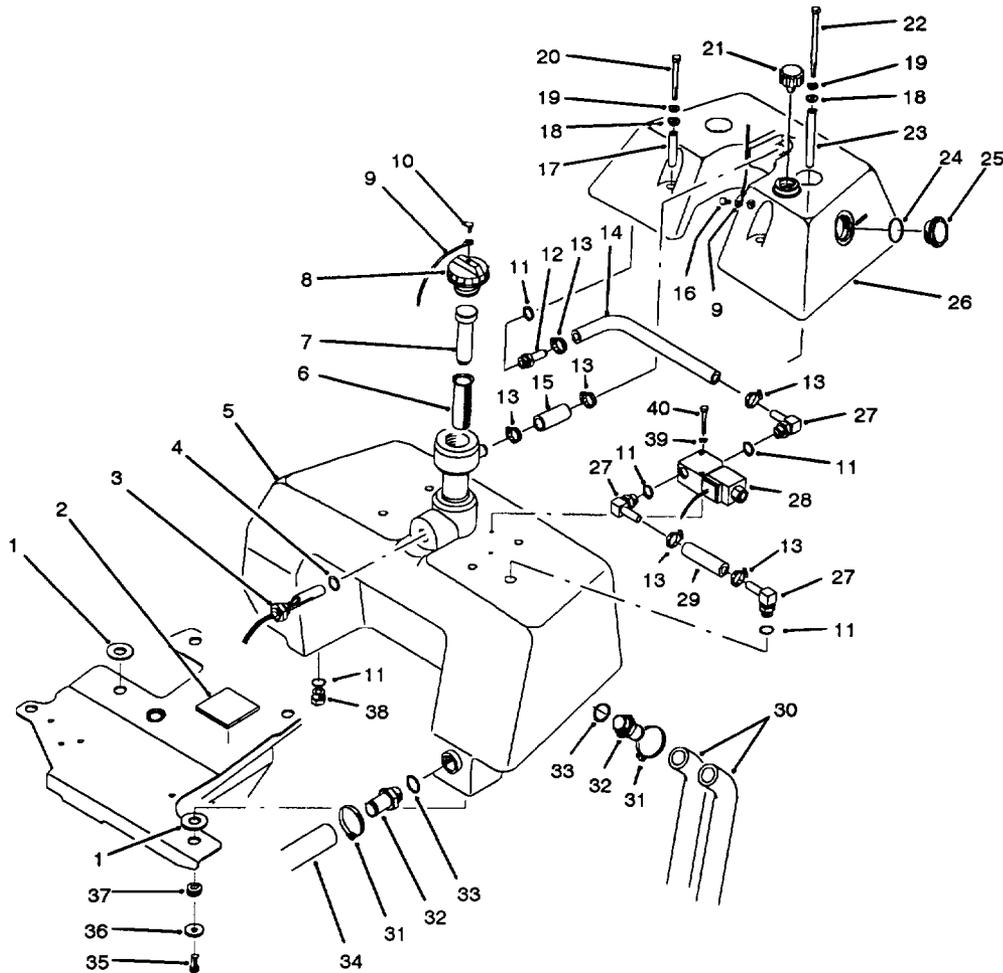
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-69	Screw - Hex. Socket Hd.	8	15	3254-5	Washer - Lock	1
2	83-0850	Plate - Control Panel	1	16	218-461	Nut - Hex.	1
3	83-2030	Plate - Filler	1	17	63-8360	Key - Ignition	1
4	83-0820	Gauge - Ammeter	1	18	3273-26	Screw - Hex. Socket Hd.	4
5	66-2950	Gauge - Hourmeter	1	19		Nut - Hex.	2
6	83-1660	Switch Assembly (Incl. Ref. #19)	1	20	3256-1	Washer - Flat	8
7	218-594	Fuse - 20 Amp	1	21	321-4	Screw - Cap Hex. Hd.	1
8	83-1100	Harness - Wire (Main)	1	22		Retainer - Alarm	1
9	39-9600	Clamp - Mounting	1	23	83-1530	Bracket - Alarm	1
10	3219-14	Nut - Hex.	6	24	3296-16	Nut - Lock	9
11	3296-27	Nut - Lock	4	25	80-9330	Audio Alarm Assembly (Incl. Ref. #22)	1
12	83-0030	Control - Throttle	1	26	28-7890	Module - Interlock	1
13	83-0040	Control - Choke	1	27	83-2280	Timer - Relay	1
14	83-0020	Ignition Switch Assembly (Incl. Ref. #15-16)	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

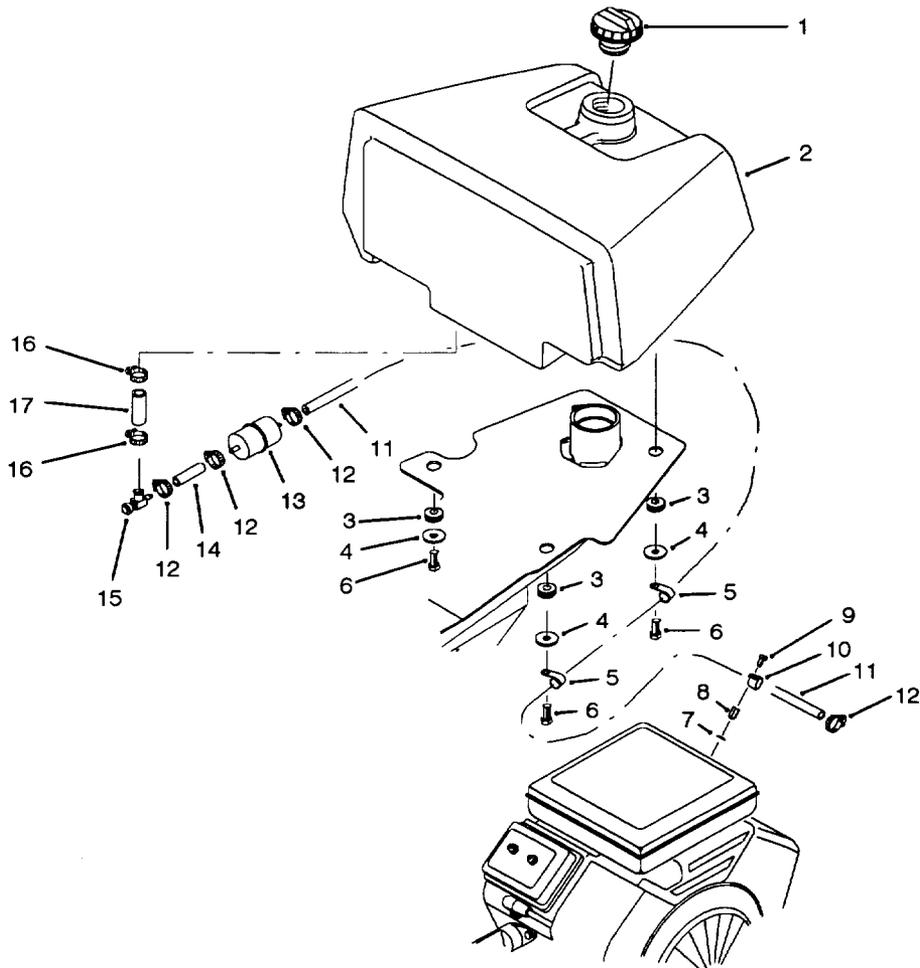


T-1289

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
23	83-1560	Spacer - Tank (Long)	2

Ref. No.	Part No.	Description	No. Used
24	237-123	Seal - O-Ring	1
25	83-2250	Guage - 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
*	83-1990	Body - Valve	1
*	83-2010	Coil - Valve	1
*	83-2000	Spool - Valve	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



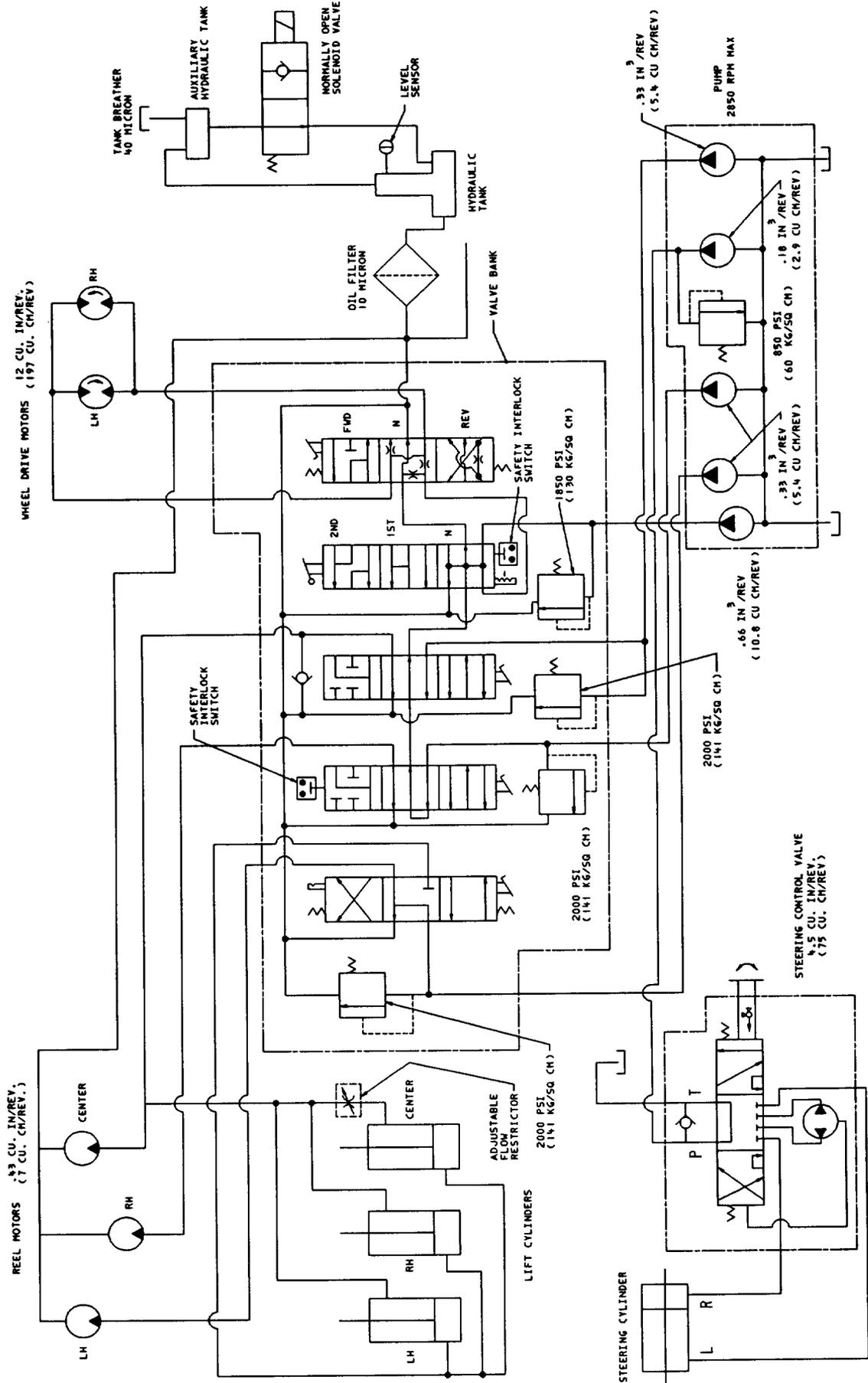
T-1317

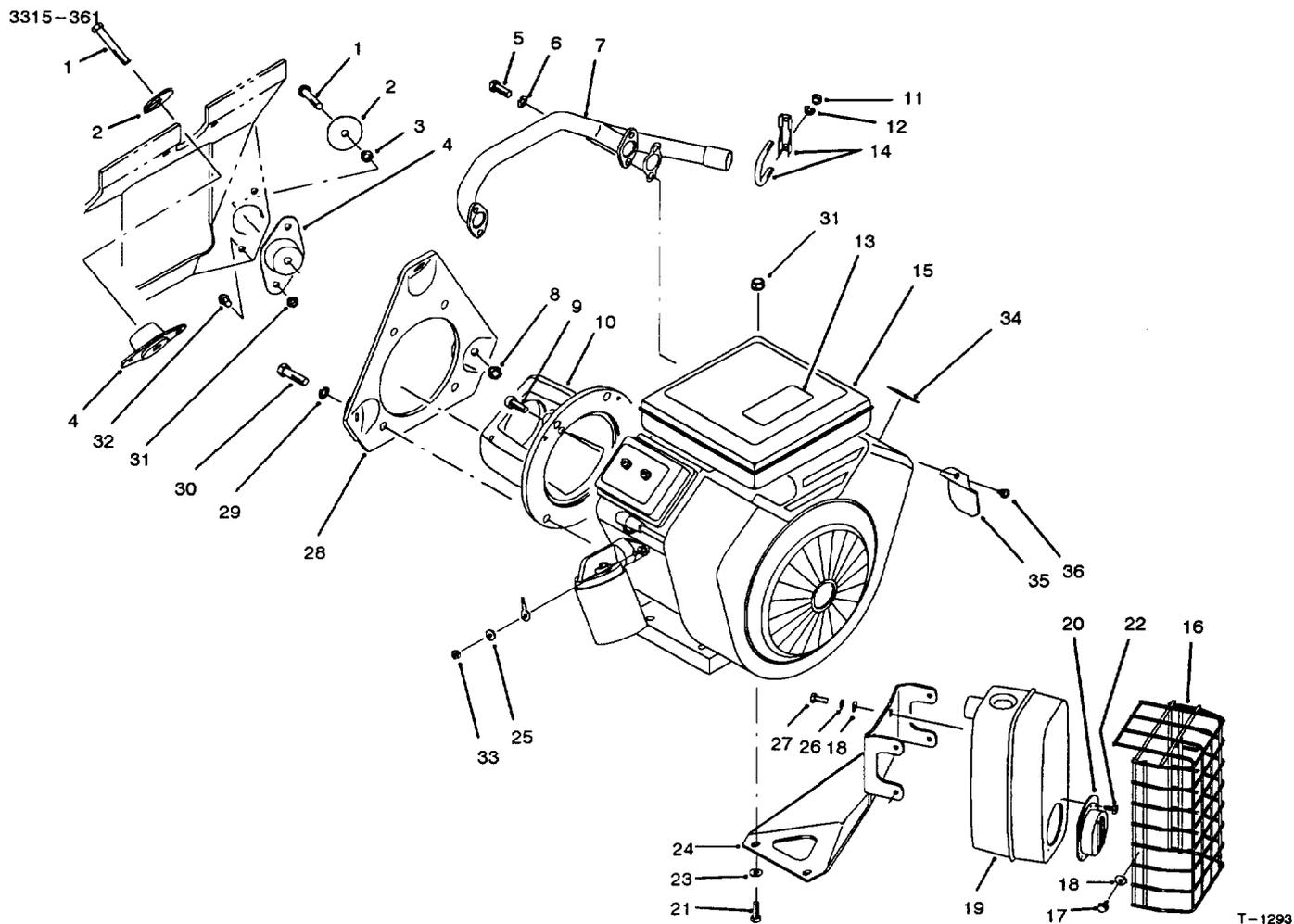
FUEL TANK ASSEMBLY

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



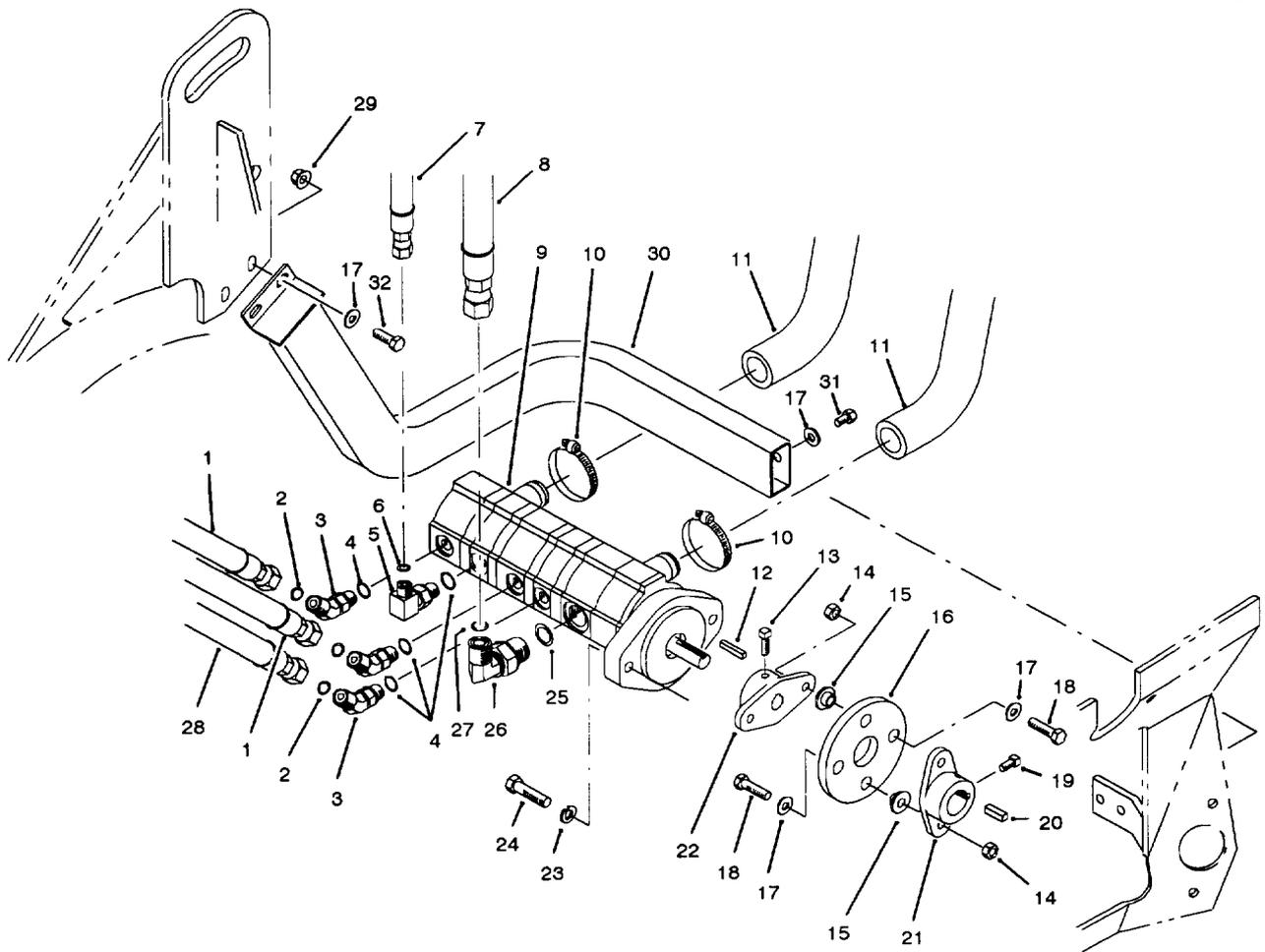


T-1293

ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	323-12	Screw - Cap Hex. Hd.	3	20	83-2220	Deflector - Exhaust	1
2	83-1040	Washer - Mount	3	21	322-7	Screw - Cap Hex. Hd.	2
3	83-1050	Spacer - Mount	2	22	83-2230	Screw - Cap Hex. Hd.	4
4	83-1030	Mount - Engine	3	23	3256-23	Washer - Flat	2
†5		Screw - Cap Hex. Hd.	4	24	83-1630	Bracket - Muffler Support	1
†6		Washer - Lock	4	25	43-5930	Washer - Lock	1
7	83-1080	Pipe - Exhaust	1	26	3253-3	Washer - Lock	4
8	3290-357	Nut - Flange Lock	3	27	321-4	Screw - Cap Hex. Hd.	4
9	3274-7	Screw - Socket Hd.	2	28	85-8120	Plate - Engine Mount	1
10	83-1060	Adapter - Pump	1	29	3253-6	Washer - Lock	4
11		Nut - Hex.	2	30	324-7	Screw - Cap Hex. Hd.	4
12		Washer - Lock	2	31	32128-20	Nut - Flange Lock	8
‡13	71-3620	Decal - Engine RPM	1	32	322-3	Screw - Cap Hex. Hd.	6
14	2112-11	Clamp - Muffler (Incl. Ref. #11 & 12)	1	33	43-2830	Nut - Hex	1
15	83-0010	Engine Assembly	1	‡34	63-8440	Decal - Warning Hot	1
16	83-1400	Shield - Muffler	1	35	83-2310	Shield	1
17	32144-4	Screw - Hex. Washer Hd.	4	†36		Screw - Cap Hex. Hd.	1
18	3256-1	Washer - Flat	8	*	3290-378	Tie - Cable	2
19	83-1230	Muffler	1	*	250-6	Tie - Cable	2
*	83-2240	Arrestor - Spark (Optional)	1				

*Not Illustrated ‡For different language versions of this part, see International Decal Cross Reference.
 †Included With Engine Assembly

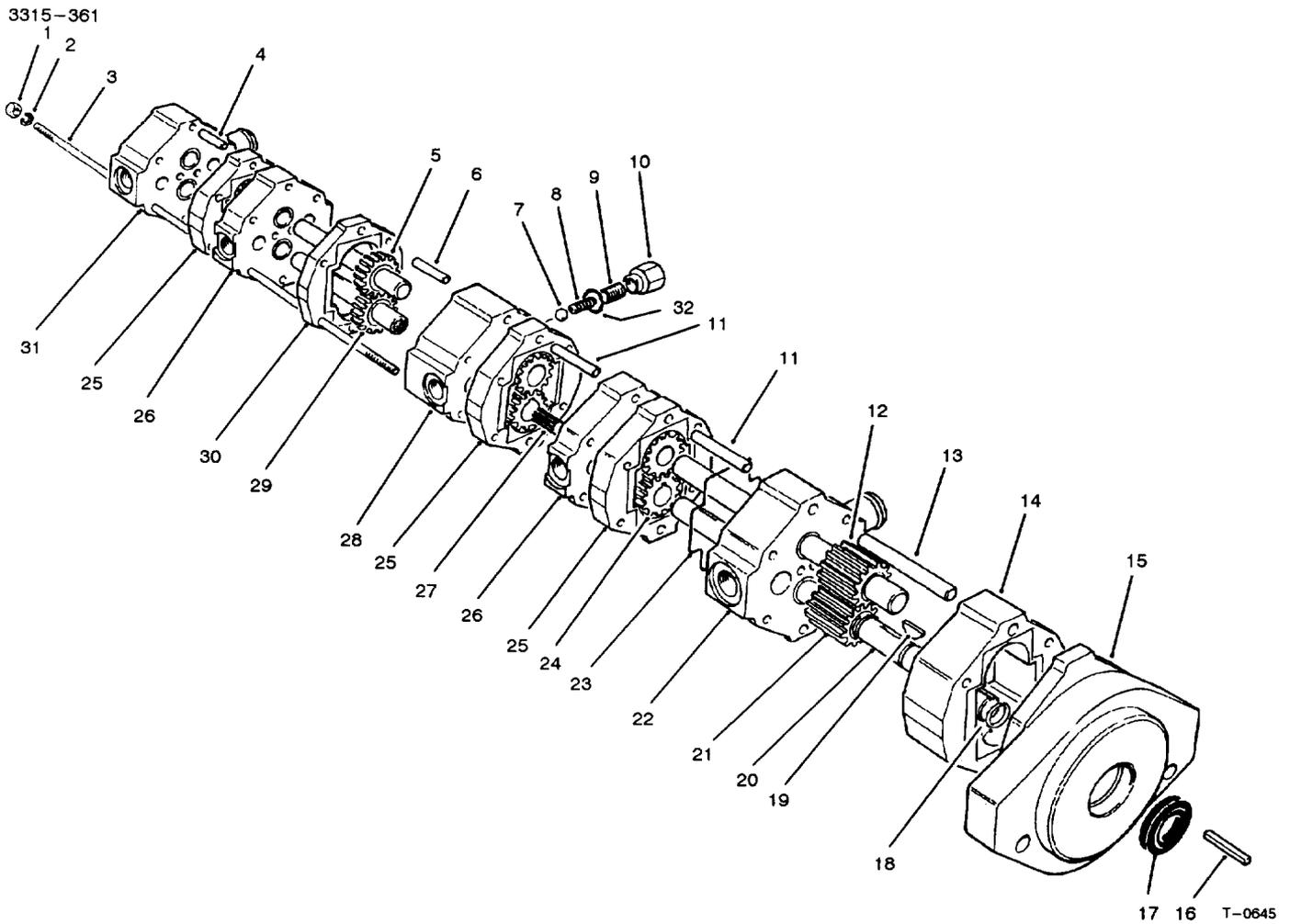


T-1292

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	83-1350	Hose - Hydraulic	1
8	83-1180	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

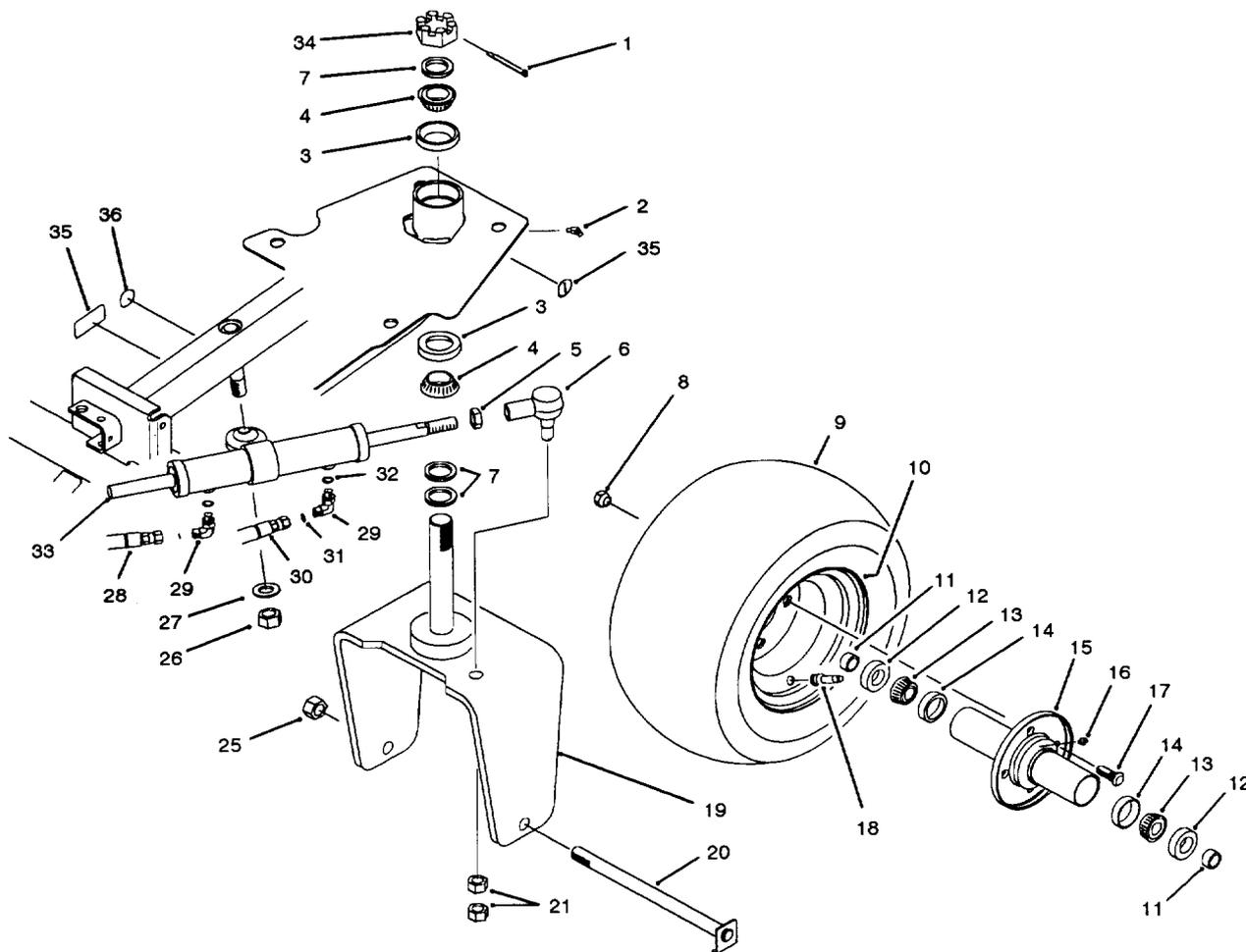
Ref. No.	Part No.	Description	No. Used
16	44-2230	Coupling - Rubber	1
17	3256-23	Washer - Flat	8
18	322-6	Screw - Cap Hex. Hd.	4
19	3241-2	Screw - Set Square Hd.	2
20	10-7070	Key - Square	1
21	27-1960	Hub - Engine	1
22	27-1970	Hub - Pump	1
23	3253-21	Washer - Lock	2
24	323-8	Screw - Cap Hex. Hd.	2
25	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 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

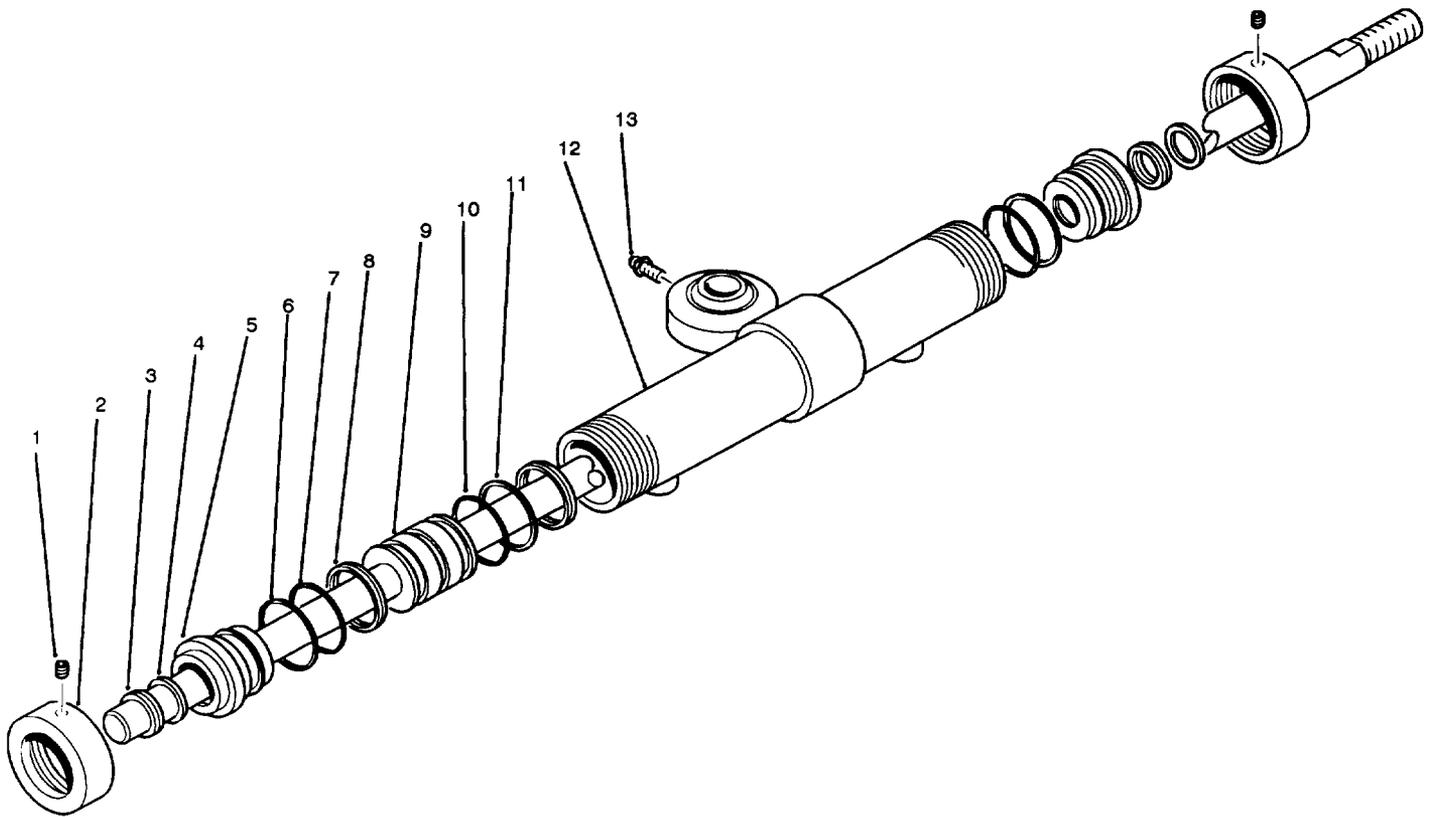


T-1288

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	83-1350	Hose - Hydraulic	1
29	340-132	Fitting - Hydraulic 90° (Incl. Ref. #31 & 32)	2
30	83-1360	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



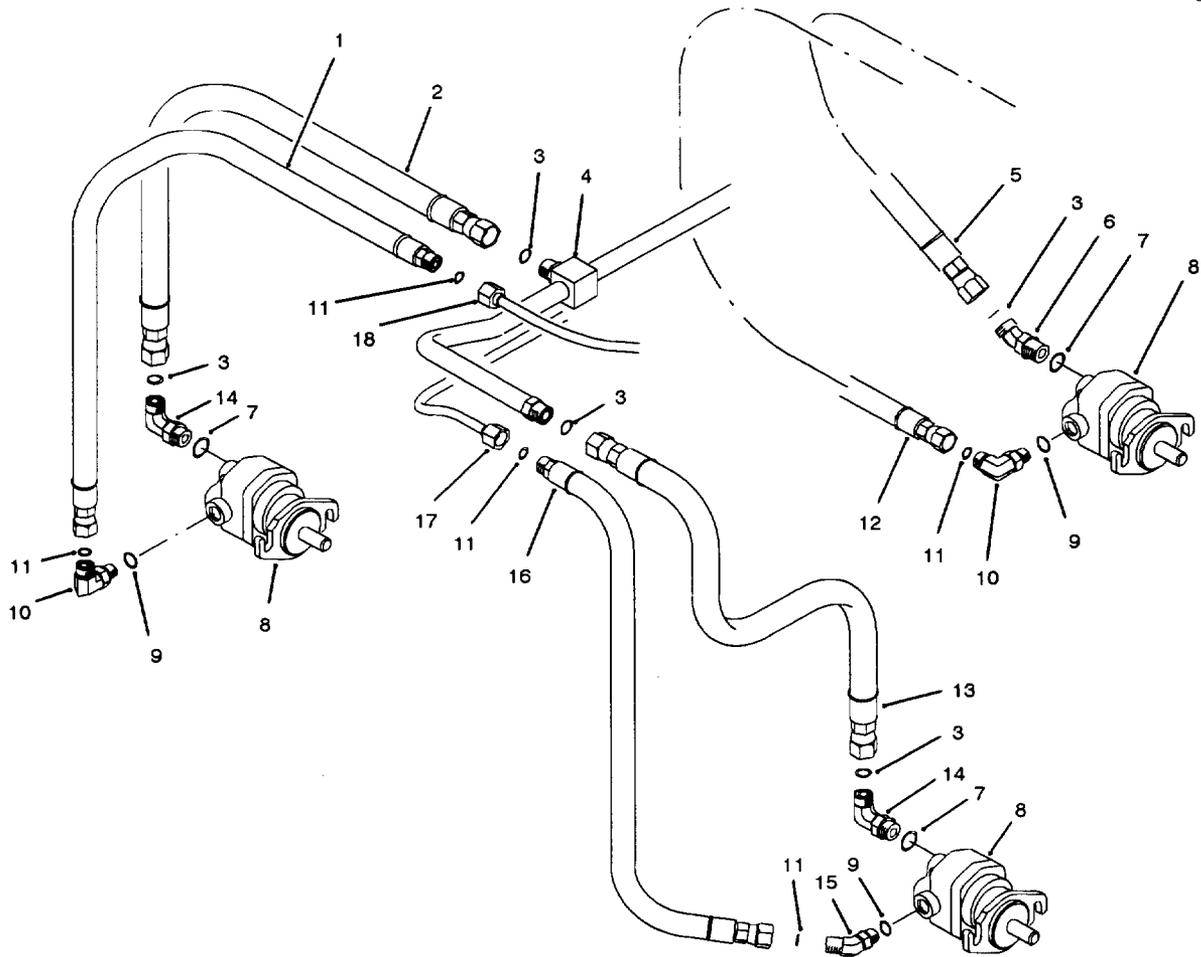
T-1313

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

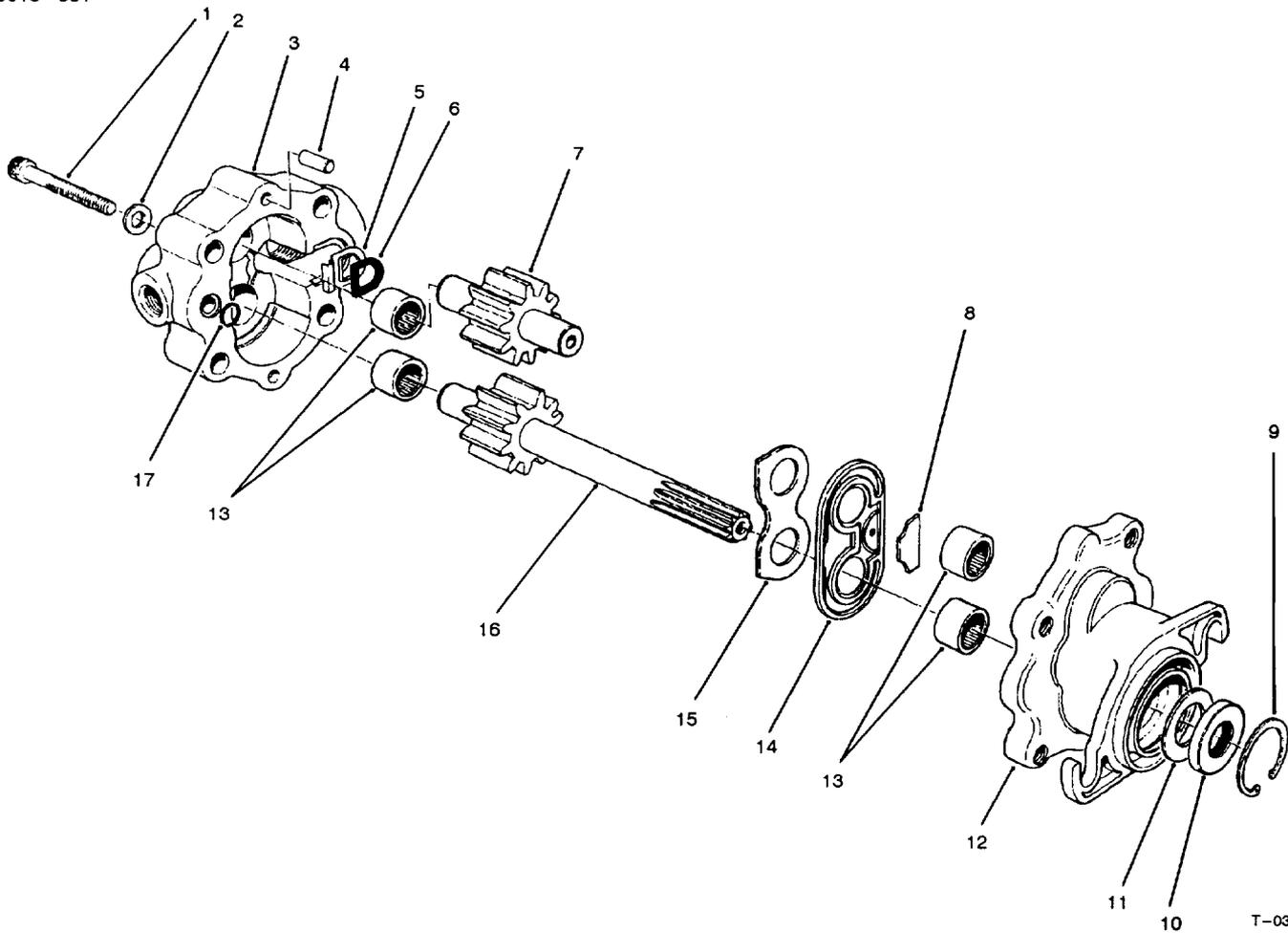


T-1297

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

Ref. No.	Part No.	Description	No. Used
10	340-77	Fitting - Hydraulic 90° (Incl. Ref. #9 & 11)	2
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



T-0300

REEL MOTOR NO. 70-9800

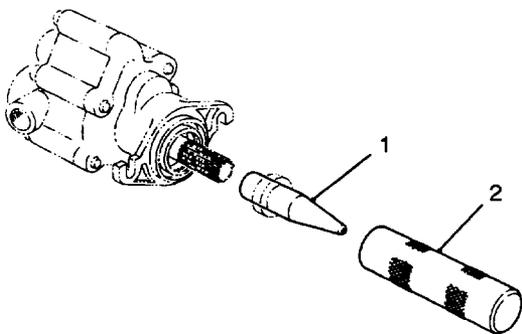
Ref. No.	Part No.	Description	No. Used
1	353-601	Screw - Hex Socket Hd.	4
2	353-600	Washer	4
3	353-588	Cover - Motor	1
4	353-599	Pin - Dowel	2
5	353-597	Bridging - Insert	1
6	353-598	Gasket - Insert	1
7	353-593	Idler Gear Assembly	1
8	353-591	Block - Anti-Extrusion	1
9	32151-41	Ring - Retaining	1
10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

*Not Illustrated

SPECIAL TOOLS

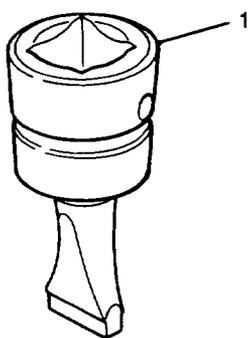
REEL MOTOR SEAL INSTALLATION TOOLS



T-0727

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

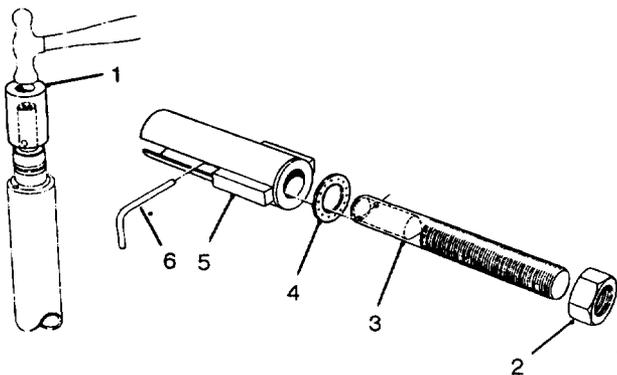
BED KNIFE SCREW TOOL NO. TOR510880



T-0729

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

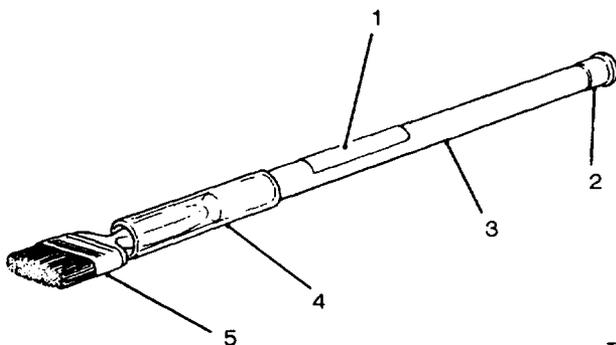
BEARING REPLACEMENT TOOL KIT NO. TOR238900



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



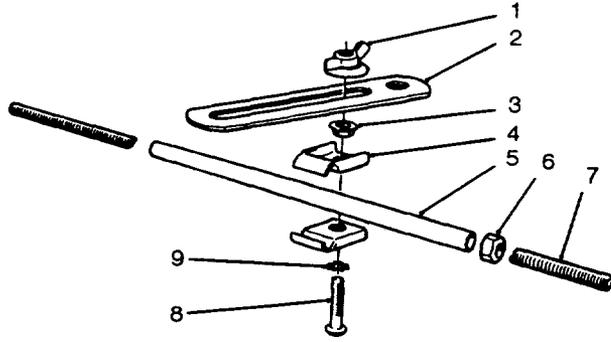
T-0731

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)

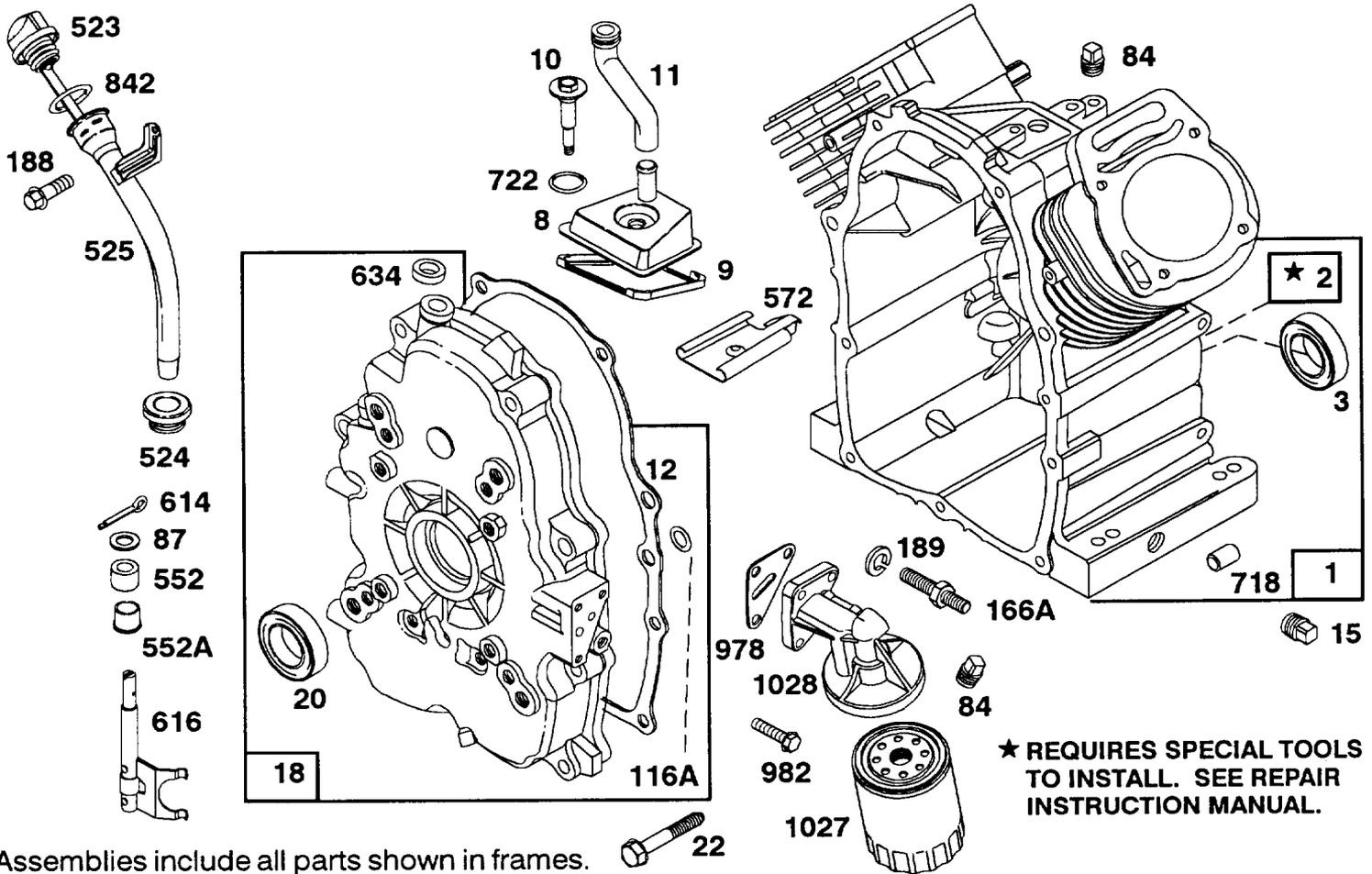
ALIGNMENT TOOL NO. TOR200120



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

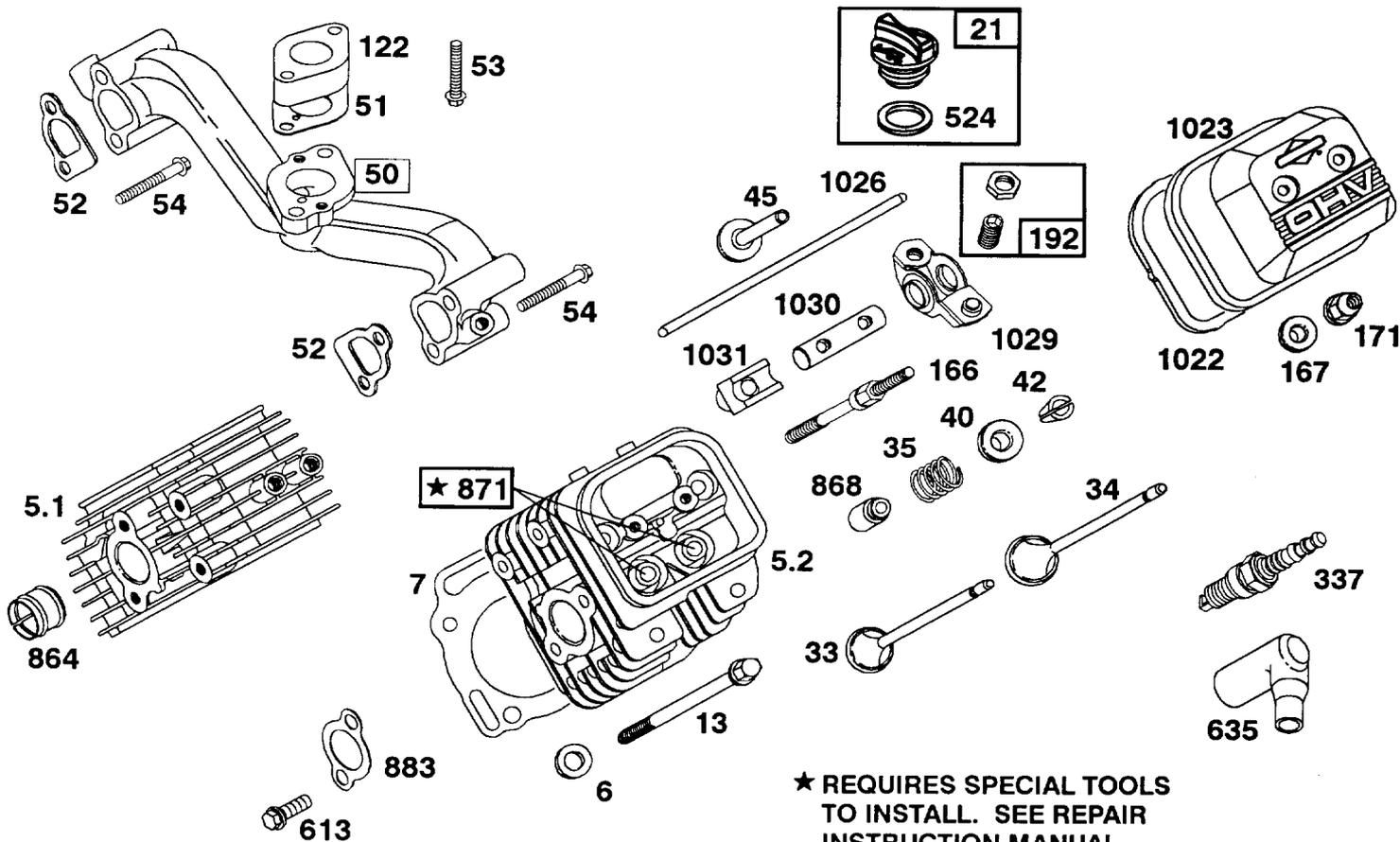


ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

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	

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

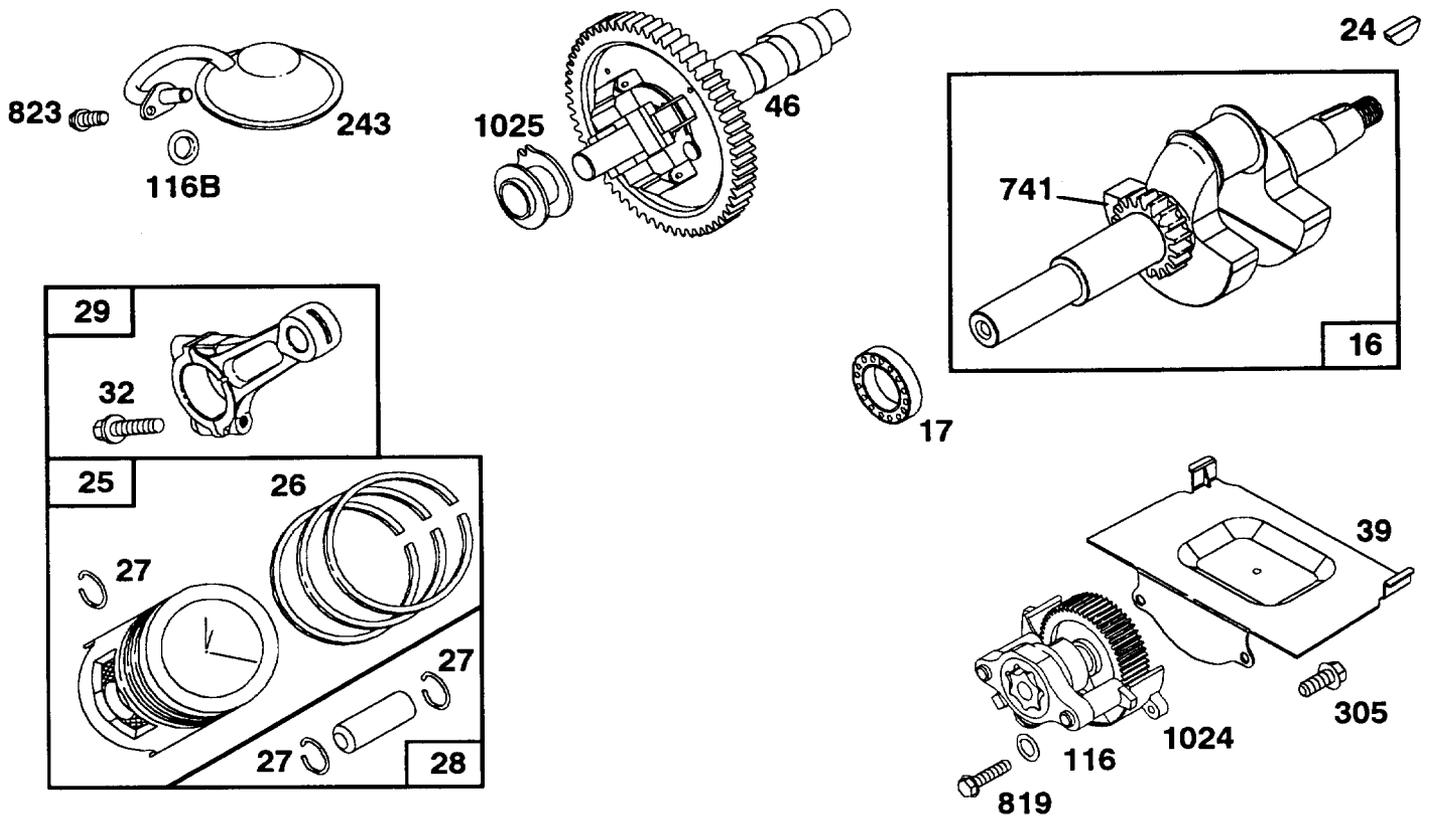
ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

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	491055	Plug - Spark	
524	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	
		Note: 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.



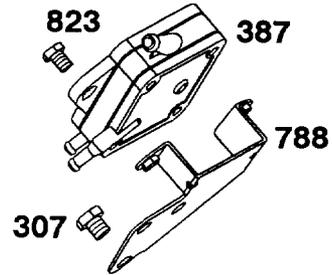
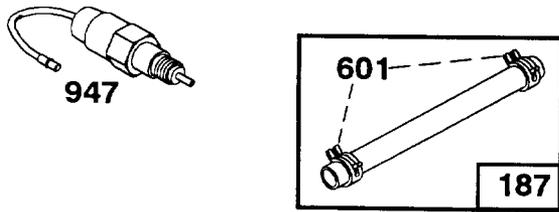
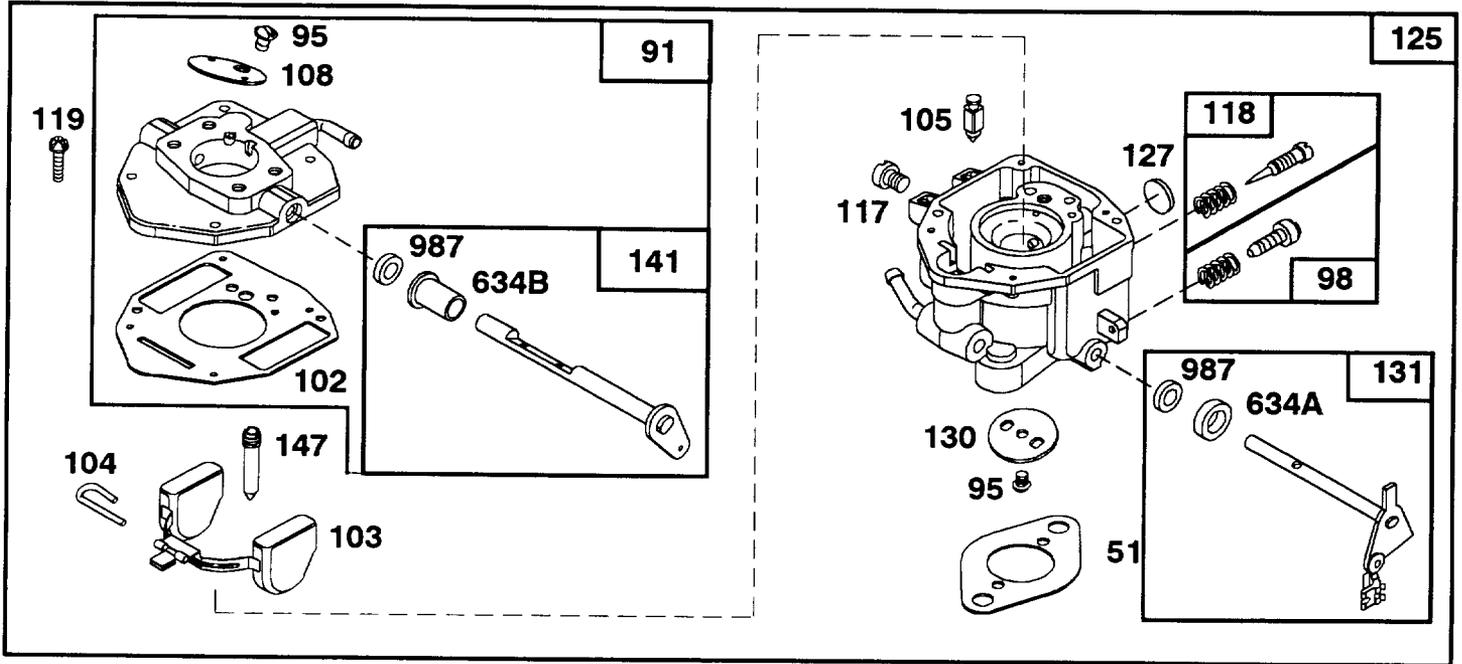
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
16	807589	Crankshaft Note: 807625 Thrust Washer Note: To Replace Crankshaft Timing Gear Key Order Part No. 94196	
17	805213	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	807900	Piston Pin Assembly	

Ref. No.	Part No.	Description	No. Used
29	807622	Connecting Rod Assembly Note: For Connecting Rod With .020" Undersize Crankpin Bore - Order Part No. 807803.	
32	805395	Screw - Connecting Rod	
39	805300	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.



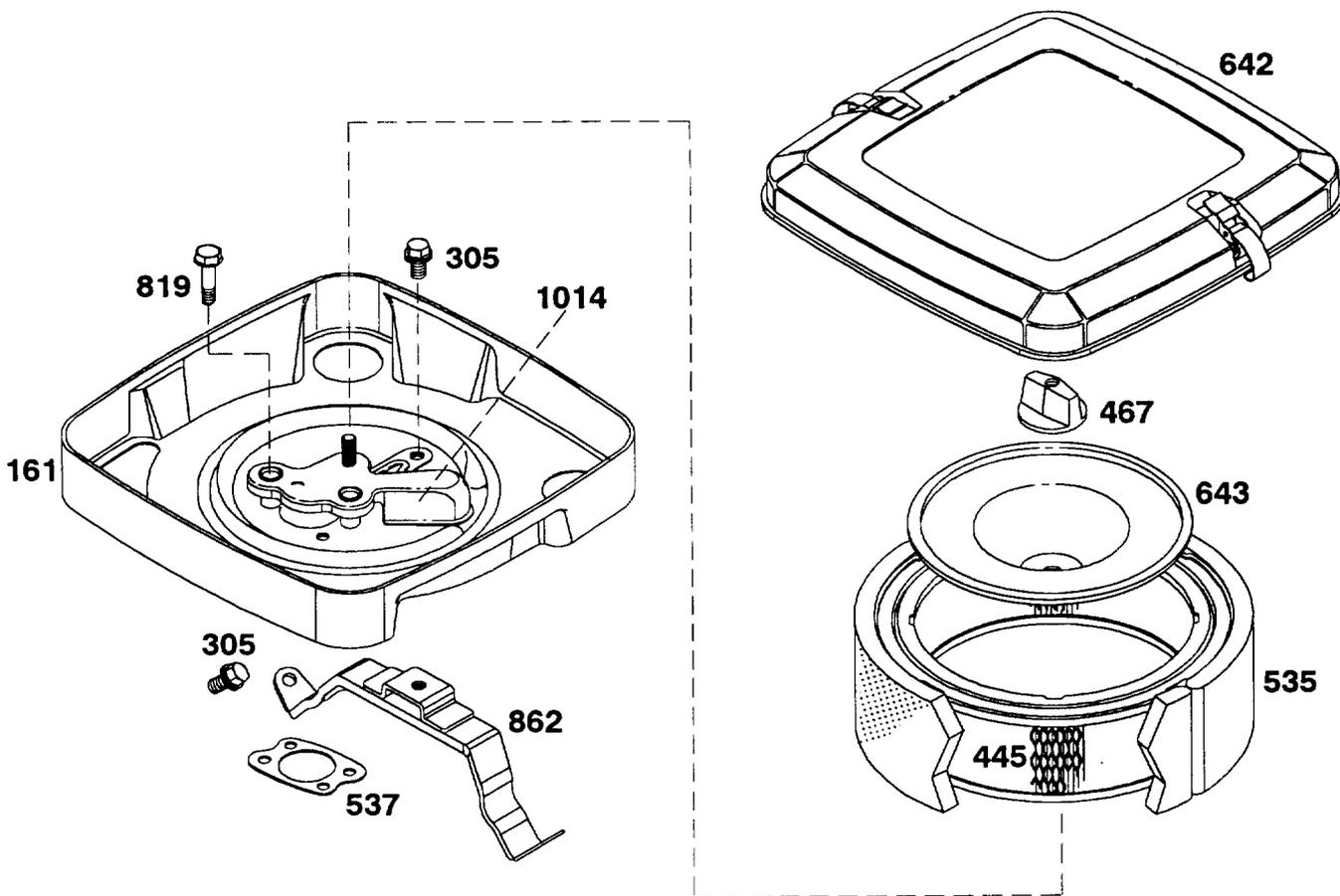
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

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	805548	Jet - Main Note: 805537 Jet - Main (High Altitude)	
*118	807719	Valve - Idle Adjusting Needle	
119	805540	Screw - Upper Body Mtg.	
125	807918	Carburetor Assembly	

Ref. No.	Part No.	Description	No. Used
*127	805559	Plug - Welch	
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 Overhaul Kit - Part No. 807726.

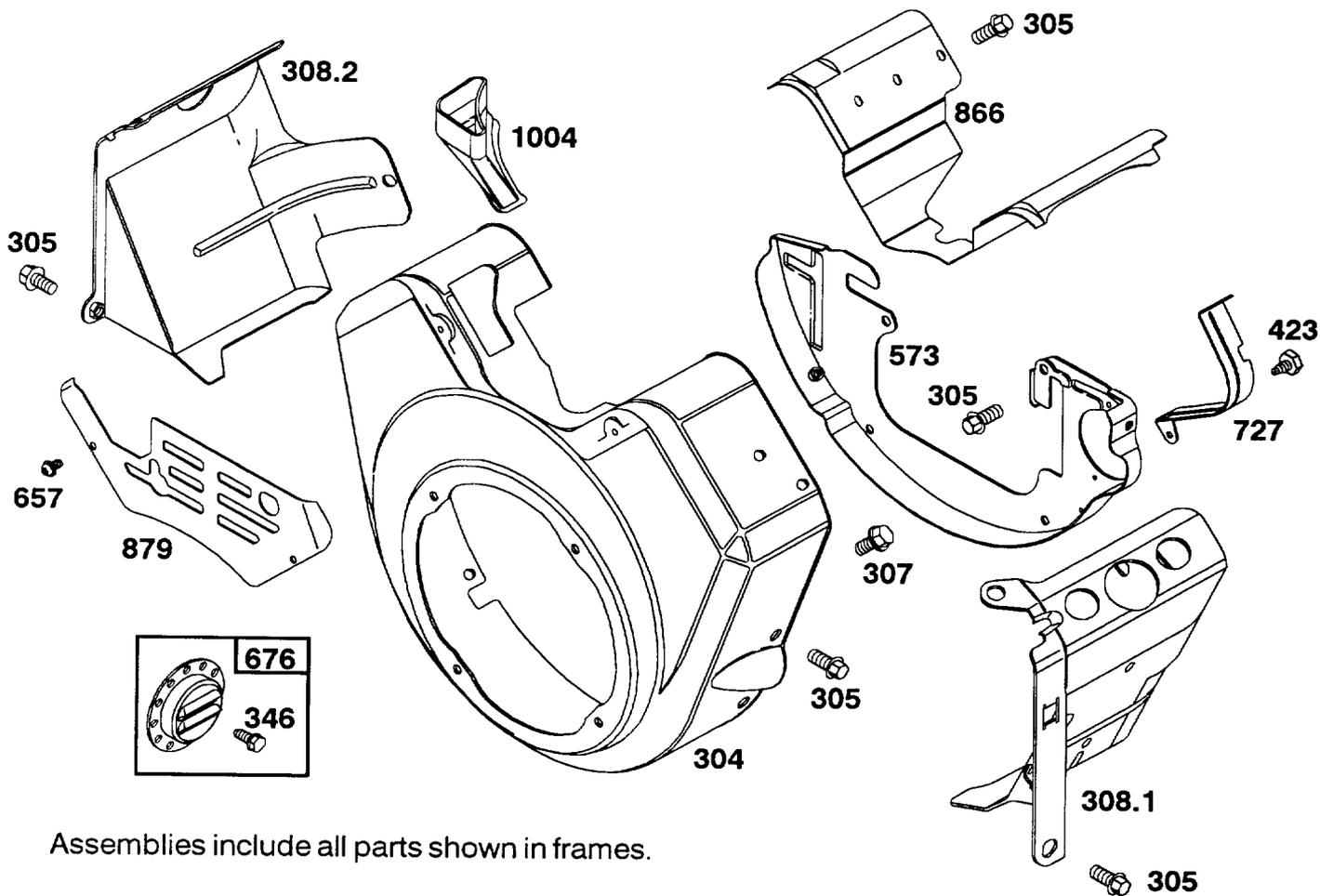


Assemblies include all parts shown in frames.

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.	

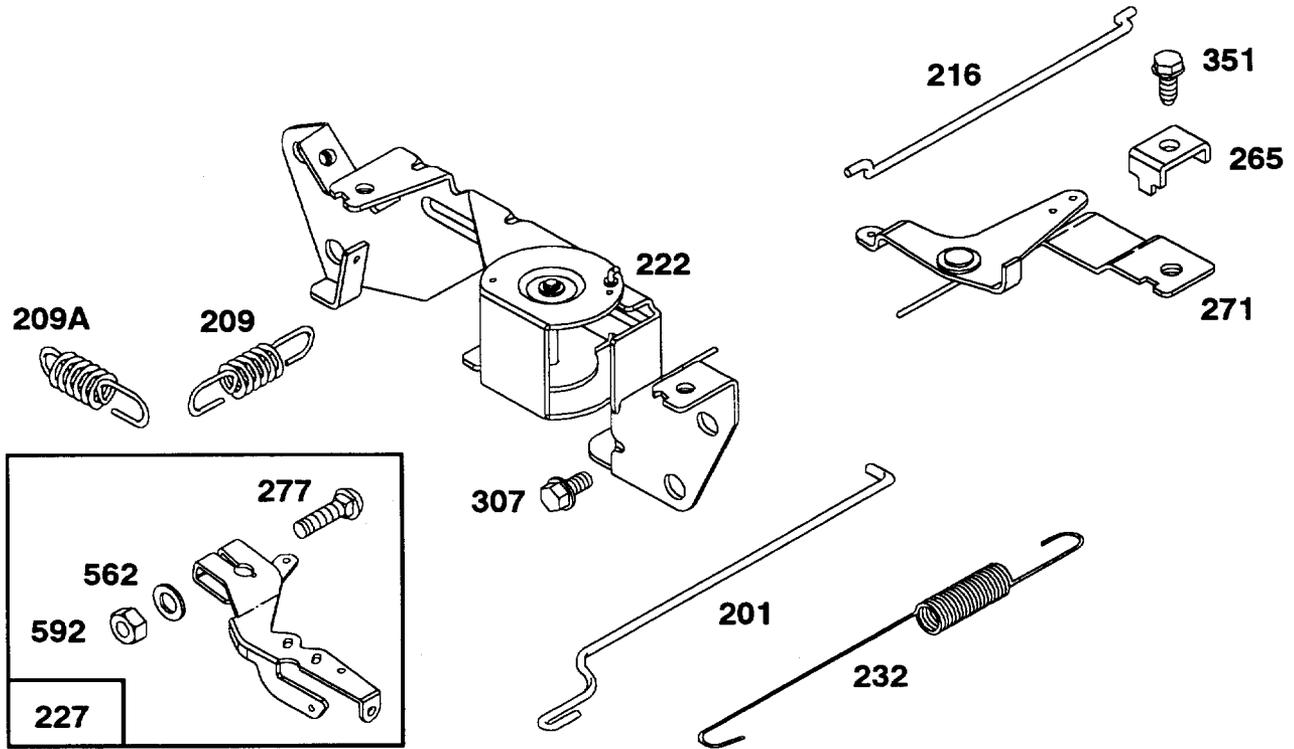


Assemblies include all parts shown in frames.

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	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	805636	Cover - Carburetor	
1004	805632	Tube - Air Inlet	

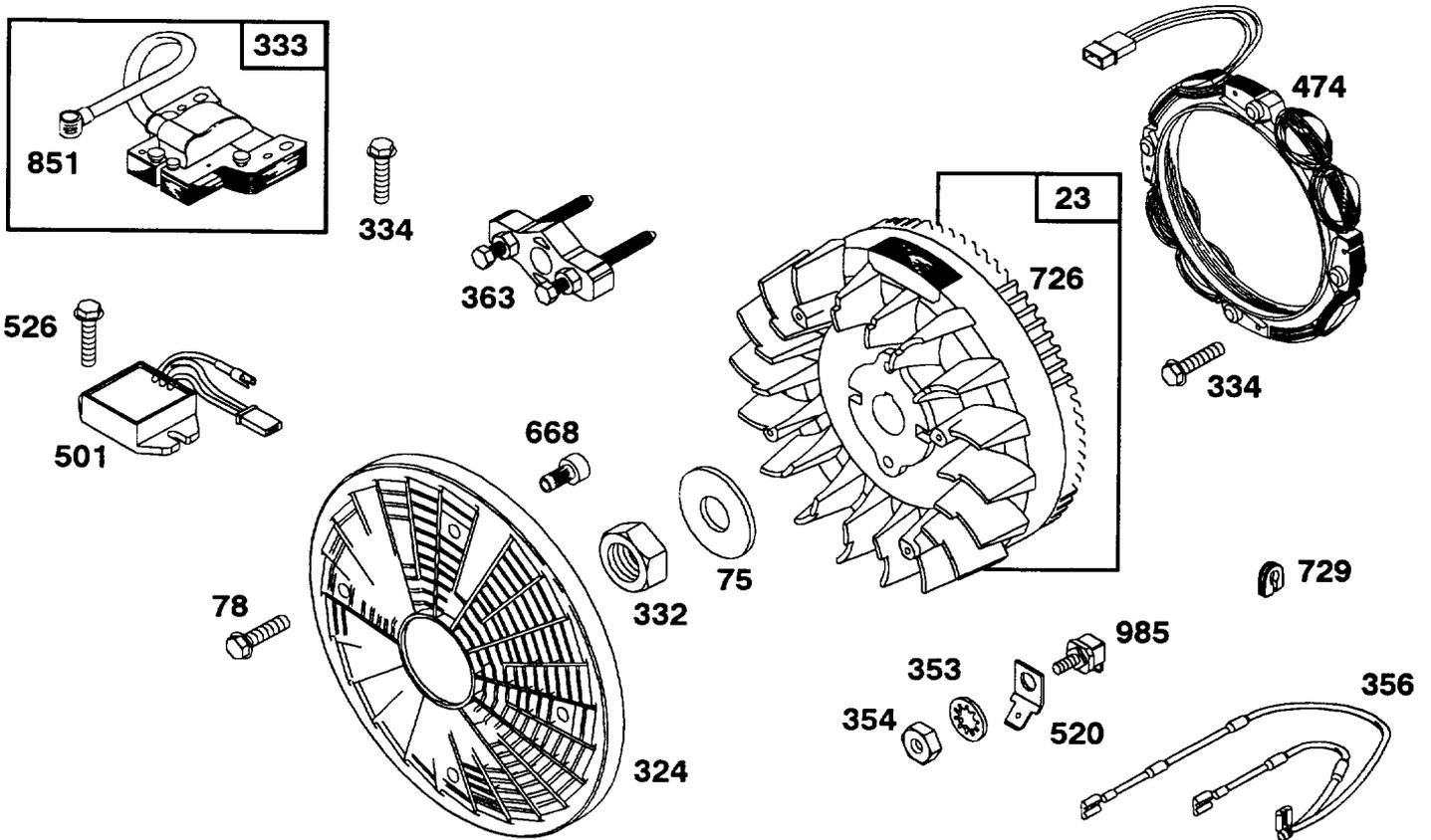


Assemblies include all parts shown in frames.

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 Note: 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.	

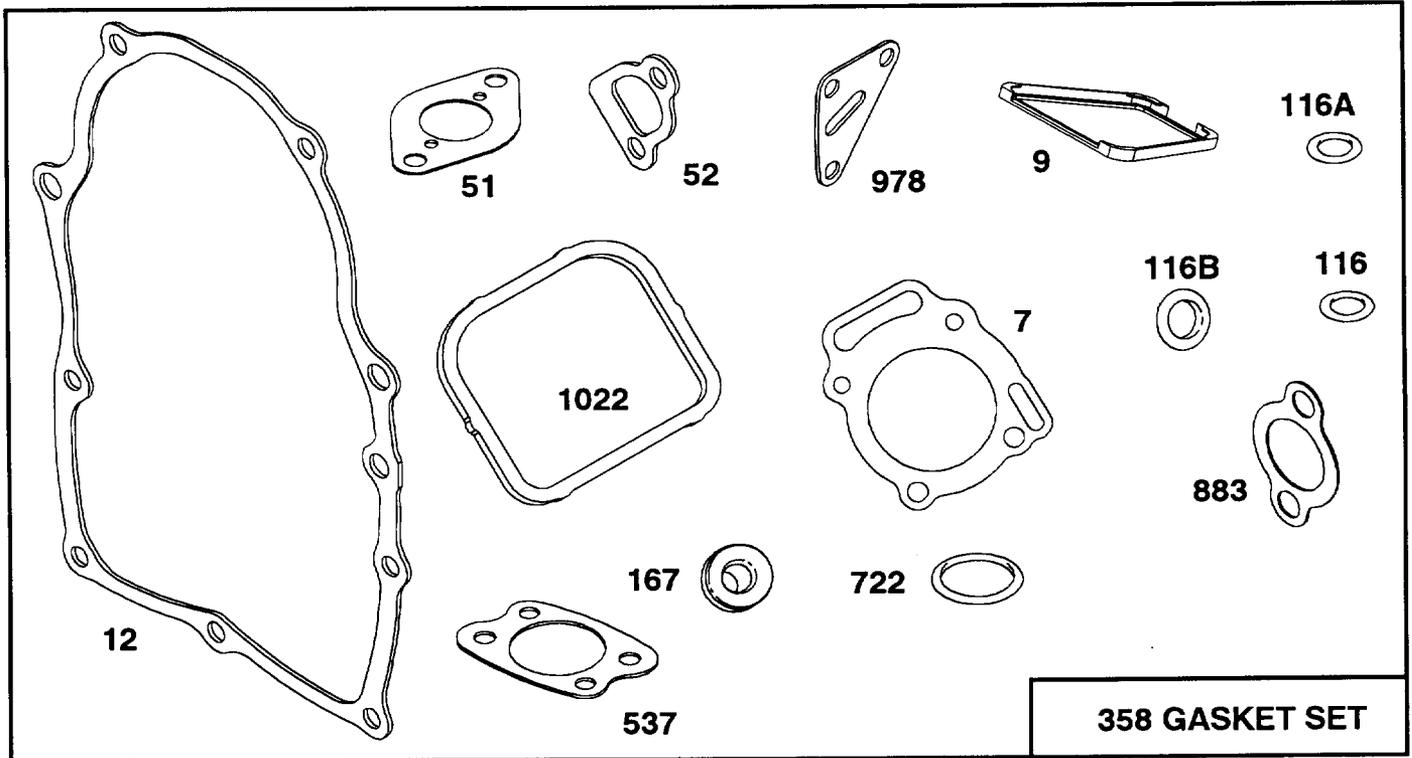


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

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	
353	92791	Lockwasher (Internal Tooth)	
354	90576	Nut - Hex.	
356	493792	Wire Assy.	

Ref. No.	Part No.	Description	No. Used
363	19203	Puller - Flywheel	
474	393295	Stator - Alternator	
501	394890	Regulator - Alternator	
520	93722	Terminal - Ground	
526	805448	Screw - Mtg.	
668	805402	Spacer	
726	807805	Gear - Flywheel Ring	
729	805641	Grommet	
851	221798	Terminal - Ignition Cable	
985	398525	Insulator	



Assemblies include all parts shown in frames.

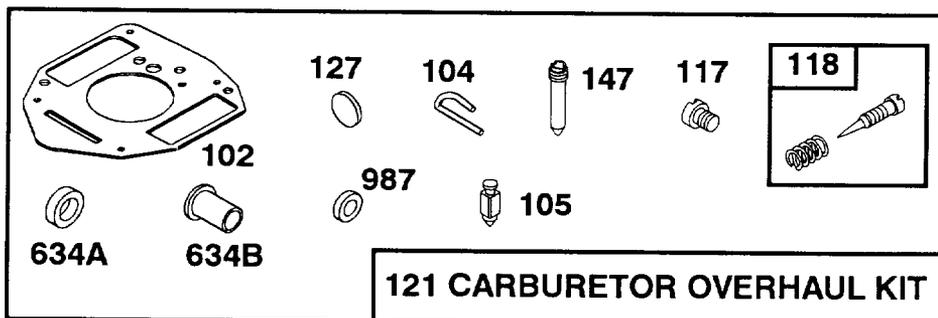
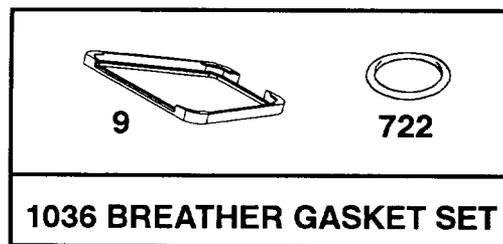
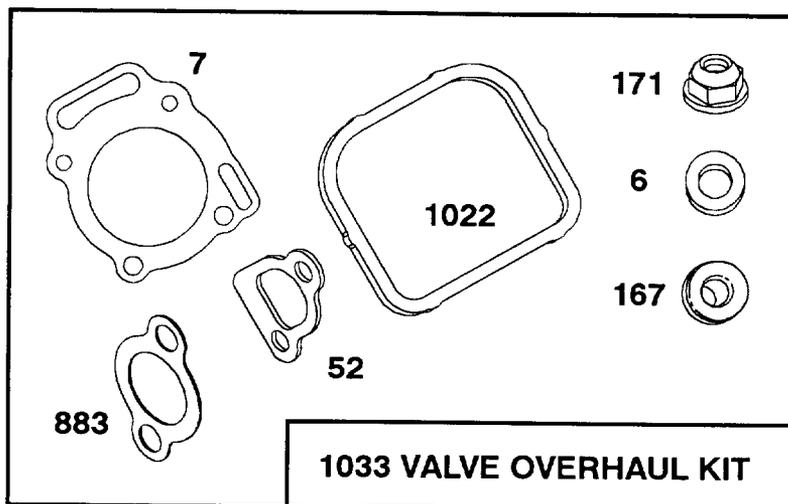
ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
†7	807986	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)	
*116B	805316	O-Ring (Pick – Up Tube)	

Ref. No.	Part No.	Description	No. Used
*†167	805420	Washer – Valve Cover	
358	807989	Gasket Set	
537	805655	Gasket – Air Cleaner	
*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. 807989.

†Included in Valve Overhaul Kit – Part No 807990.



Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

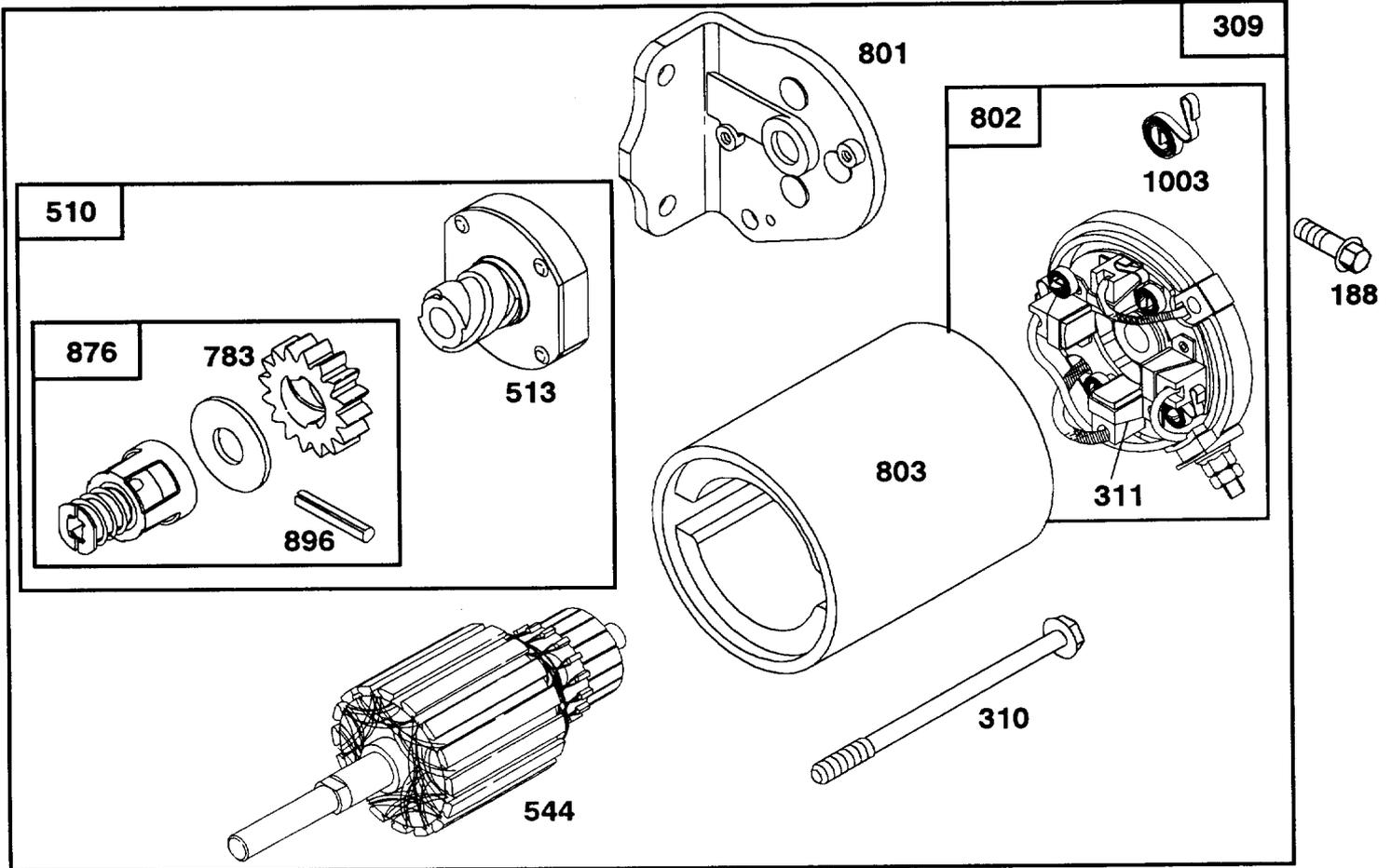
Ref. No.	Part No.	Description	No. Used
‡6	805193	Washer - Cylinder Head	
‡7	807986	Gasket - Cylinder Head	
*9	805379	Gasket - Breather	
*‡52	805023	Gasket - Carburetor Mtg.	
†102	805541	Gasket - Intake Elbow	
†104	805545	Pin - Float Hinge	
†105	805547	Valve - Fuel Inlet	
†117	805548	Jet - Main	
		Note: 805537 Jet - Main (High Altitude)	
†118	807719	Valve - Idle Adjusting Needle	
121	807726	Carburetor Overhaul Kit	

Ref. No.	Part No.	Description	No. Used
†127	805559	Plug - Welch	
†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	
*‡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 Overhaul Kit - Part No. 807726.

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



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	

INTERNATIONAL DECAL CROSS REFERENCE

JAPANESE DECAL KIT NO. 83-2600

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	JAPANESE
Plate Control	Upper Control Panel	83-0850	83-2570
Decal ANSI	Rear of Frame	N/A	84-3020
Decal Parking Brake	Footrest Plate	27-2830	83-2480
Decal Hydraulic Oil	Seat Back	58-6530	84-3180
Decal Warning	Cutting Unit Pull Frames	62-5070	84-6560
Panel Engine RPM	Engine Air Cleaner Cover	71-3620	83-2550
Decal Hot Surface	Engine Blower Housing	63-8440	83-2560
Decal Traction Speed	Lower Control Panel	83-2260	83-2500
Decal Warning	Steering Valve Support	83-1790	83-2520
Decal Traction	Right Side Cover	83-1850	83-2540
Decal Mow / Lift	Footrest Plate	51-0050	83-2530
Decal Service	Seat Back	83-1780	83-2490
Decal Steering Arm	Steering Arm	83-2050	83-2510

SWEDISH DECAL KIT NO. 83-2640

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	SWEDISH
Plate Control	Upper Control Panel	83-0850	N/A
Decal ANSI	Rear of Frame	N/A	84-2950
Decal Parking Brake	Footrest Plate	27-2830	84-9220
Decal Hydraulic Oil	Seat Back	58-6530	84-3110
Decal Warning	Cutting Unit Pull Frames	62-5070	84-6590
Panel Engine RPM	Engine Air Cleaner Cover	71-3620	84-9570
Decal Hot Surface	Engine Blower Housing	63-8440	84-9620
Decal Traction Speed	Lower Control Panel	83-2260	84-9320
Decal Warning	Steering Valve Support	83-1790	84-9420
Decal Traction	Right Side Cover	83-1850	84-9520
Decal Mow / Lift	Footrest Plate	51-0050	84-9470
Decal Service	Seat Back	83-1780	84-9270
Decal Steering Arm	Steering Arm	83-2050	84-9370

INTERNATIONAL DECAL CROSS REFERENCE (Cont.)

ITALIAN DECAL KIT NO. 83-2650

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	ITALIAN
Plate Control	Upper Control Panel	83-0850	N/A
Decal ANSI	Rear of Frame	N/A	84-2990
Decal Parking Brake	Footrest Plate	27-2830	84-9230
Decal Hydraulic Oil	Seat Back	58-6530	84-3150
Decal Warning	Cutting Unit Pull Frames	62-5070	84-6550
Panel Engine RPM	Engine Air Cleaner Cover	71-3620	84-9580
Decal Hot Surface	Engine Blower Housing	63-8440	84-9630
Decal Traction Speed	Lower Control Panel	83-2260	84-9330
Decal Warning	Steering Valve Support	83-1790	84-9430
Decal Traction	Right Side Cover	83-1850	84-9530
Decal Mow / Lift	Footrest Plate	51-0050	84-9480
Decal Service	Seat Back	83-1780	84-9280
Decal Steering Arm	Steering Arm	83-2050	84-9380

GERMAN DECAL KIT NO. 83-2630

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	GERMAN
Plate Control	Upper Control Panel	83-0850	N/A
Decal ANSI	Rear of Frame	N/A	84-2970
Decal Parking Brake	Footrest Plate	27-2830	84-9210
Decal Hydraulic Oil	Seat Back	58-6530	84-3130
Decal Warning	Cutting Unit Pull Frames	62-5070	85-6540
Panel Engine RPM	Engine Air Cleaner Cover	71-3620	84-9560
Decal Hot Surface	Engine Blower Housing	63-8440	84-9610
Decal Traction Speed	Lower Control Panel	83-2260	84-9310
Decal Warning	Steering Valve Support	83-1790	84-9410
Decal Traction	Right Side Cover	83-1850	84-9510
Decal Mow / Lift	Footrest Plate	51-0050	84-9460
Decal Service	Seat Back	83-1780	84-9260
Decal Steering Arm	Steering Arm	83-2050	84-9360

INTERNATIONAL DECAL CROSS REFERENCE (Cont.)**SPANISH DECAL KIT NO. 83-2610**

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	SPANISH
Plate Control	Upper Control Panel	83-0850	N/A
Decal ANSI	Rear of Frame	N/A	84-2980
Decal Parking Brake	Footrest Plate	27-2830	84-9190
Decal Hydraulic Oil	Seat Back	58-6530	84-3140
Decal Warning	Cutting Unit Pull Frames	62-5070	85-6580
Panel Engine RPM	Engine Air Cleaner Cover	71-3620	84-9540
Decal Hot Surface	Engine Blower Housing	63-8440	84-9590
Decal Traction Speed	Lower Control Panel	83-2260	84-9290
Decal Warning	Steering Valve Support	83-1790	84-9390
Decal Traction	Right Side Cover	83-1850	84-9490
Decal Mow / Lift	Footrest Plate	51-0050	84-9440
Decal Service	Seat Back	83-1780	84-9240
Decal Steering Arm	Steering Arm	83-2050	84-9340

FRENCH DECAL KIT NO. 83-2620

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	FRENCH
Plate Control	Upper Control Panel	83-0850	N/A
Decal ANSI	Rear of Frame	N/A	84-2960
Decal Parking Brake	Footrest Plate	27-2830	84-9200
Decal Hydraulic Oil	Seat Back	58-6530	84-3120
Decal Warning	Cutting Unit Pull Frames	62-5070	85-6530
Panel Engine RPM	Engine Air Cleaner Cover	71-3620	84-9550
Decal Hot Surface	Engine Blower Housing	63-8440	84-9600
Decal Traction Speed	Lower Control Panel	83-2260	84-9300
Decal Warning	Steering Valve Support	83-1790	84-9400
Decal Traction	Right Side Cover	83-1850	84-9500
Decal Mow / Lift	Footrest Plate	51-0050	84-9450
Decal Service	Seat Back	83-1780	84-9250
Decal Steering Arm	Steering Arm	83-2050	84-9350

TORO PART NUMBER INDEX

3315-361

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-0348	Bushing - Sleeve	3 11 6	28-1400	Battery	20 11 1
3-0348	Bushing - Sleeve	4 14 6	28-3680	Tire	8 2 2
3-0348	Bushing - Sleeve	6 22 6	28-3680	Tire	29 9 1
3-1506	Bushing - Flange	3 16 4	28-4210	Solenoid - Starter	20 5 1
3-1506	Bushing - Flange	4 30 4	28-7890	Module - Interlock	21 26 1
3-1506	Bushing - Flange	6 38 4	28-8080	Boot Terminal	20 13 1
3-4808	Nut - Wing	34 1 1	29-9080	Handle	33 3 1
3-6657	Clip - Skid	34 4 2	29-9090	Hose - Handle	33 4 1
3-6685	Spring - Compression	19 17 1	36-4310	Brush	33 5 1
5-0946	Key - Square	27 12 1	38-0410	Nut - Hex.	14 53 1
5-0946	Key - Square	28 16 1	38-0410	Nut - Hex.	16 59 1
5-1226	Washer - Shim	3 10 2	39-9600	Clamp - Mounting	21 9 1
5-1226	Washer - Shim	4 16 2	42-2680	Race R. Detent	13 46 1
5-1226	Washer - Shim	6 24 2	43-2830	Nut - Hex	26 33 1
5-3934	Bolt - Castor	29 20 1	43-5220	Ring - Retaining	7 10 1
8-7710	Ball Joint Receiver Assy.	4 4 2	43-5230	Shaft & Clevis	7 11 1
8-7710	Ball Joint Receiver Assy.	6 4 2	43-5930	Washer - Lock	26 25 1
8-7710	Ball Joint Receiver Assy.	3 25 2	43-8600	Spring - Compression	19 21 1
10-6060	Pin - Lift Cylinder	3 7 1	43-8610	Seat - Ball	19 20 1
10-6060	Pin - Pivot	4 19 1	43-8620	Guide - Switch	19 23 1
10-6090	Pin - Pivot	4 33 1	43-8860	Plunger - Switch	19 22 1
10-6090	Pin - Pivot	3 37 1	43-8870	Boot - Switch	19 26 1
10-6090	Pin - Pivot	6 41 1	43-9071	Seat Switch Assembly	19 * 1
10-6110	Pin - Hinge	3 3 1	44-0870	Shaft - Cam	10 5 1
10-6110	Pin - Pivot	4 24 1	44-2230	Coupling - Rubber	27 16 1
10-6821	Brake Drum Assembly	8 * 2	44-5560	Head - Oil Filter	20 27 1
10-6830	Stud - Drive	29 17 4	46-8560	Screw - Self Taping	20 20 3
10-6850	Drum - Brake	8 6 2	47-2890	Bushing - Sleeve	17 20 2
10-6870	Hub - Wheel	8 5 2	47-5320	Lever - Control	10 40 1
10-7070	Key - Square	27 20 1	47-6990	Nut - Steering Wheel	17 10 1
10-7820	Pivot Hinge Assembly	3 12 1	48-7610	Screw - Cap Hex. Hd.	24 9 1
10-7820	Pivot Hinge Assembly	4 25 1	49-0170	Seal Kit	18 * 1
10-7820	Pivot Hinge Assembly	6 33 1	49-5430	Rod - Control	10 1 1
10-7850	Latch - Parking Brake	1 23 1	49-5430	Rod - Control	1 4 1
10-7880	Hinge - Upper	1 8 1	49-5880	Shaft - Seat Suport	19 27 1
10-7890	Hinge - Lower	1 22 1	49-6110	Guard - Transfer Rod	1 6 1
10-8100	Strap - Brake Shaft	1 31 2	49-6120	Pad - Footrest	1 13 1
10-8110	Washer - Thrust	3 9 6	49-6170	Pad - Brake	2 49 1
10-8110	Washer - Thrust	4 15 6	49-6200	Lever - Cutting Control	2 42 1
10-8110	Washer - Thrust	6 23 6	49-6220	Bracket - Control Arm	10 9 1
10-8140	Spring - Torsion	1 7 1	49-6250	Bracket - Traction Pivot	10 35 1
10-8240	Pad - Lift	2 37 1	49-6260	Pivot - Traction	10 21 1
10-8250	Pad - Mow	2 39 1	49-6290	Shaft - Traction Pivot	10 37 1
11-0160	Roller Shaft Screw Assy.	3 14 2	49-6440	Pedal - Forward	10 42 1
11-0160	Roller Shaft Screw Assy.	4 28 2	51-0050	Decal - Mow/Lift	1 14 1
11-0160	Roller Shaft Screw Assy.	6 36 2	51-0350	Pin - Seat Spring	19 16 1
12-3270	Screw - Hex. Washer Hd.	10 38 1	51-0780	Slider - Seat	19 31 1
12-3270	Screw - Thread Forming	12 50 1	51-0790	Adjuster - Seat	19 6 1
12-9140	Decal	33 1 1	52-1990	Piston	5 3 1
18-6320	Washer - Steering	29 7 3	52-2720	Roller Assembly	3 20 1
20-0070	Tube	34 5 1	52-2720	Roller Assembly	4 35 1
20-0080	Rod	34 7 1	52-2720	Roller Assembly	6 43 1
20-0110	Bracket - Alignment	34 2 1	52-5860	Collar - Spool	16 51 1
20-9990	Nut - Jam	29 5 1	52-5880	Ball - Steel	13 47 12
21-8470	Shaft - Roller	3 21 1	52-5900	Screw - Fillister Hd.	15 37 4
21-8470	Shaft - Roller	4 36 1	52-9230	Ring - Retaining	18 2 1
21-8470	Shaft - Roller	6 44 1	52-9240	Bushing - Seal Gland	18 3 1
22-6090	Washer - Thrust	33 4 1	52-9250	Needle Bearing Kit	18 * 1
23-8840	Puller - Bolt	33 3 1	52-9260	Screw - Set	18 26 1
23-8850	Tube - Support	33 5 1	52-9270	Seat - Ball Check	18 24 1
23-8860	Pin - Bearing Rplcmnt.	33 6 1	52-9280	Ball - Check	18 22 1
23-8880	Driver - Bearing	33 1 2	52-9290	Retainer - Ball Check	18 21 1
26-3790	Nut - Lock	8 4 2	52-9350	Screw - Cap	18 19 7
27-1960	Hub - Engine	27 21 1	53-4860	Decal - Safety	29 35 1
27-1970	Hub - Pump	27 22 1	56-2230	Hose - Fuel	24 17 1
27-2270	Rod - Brake Adjusting	1 29 2	56-7720	Bolt - Battery	20 17 2
27-2320	Bearing - Flange	10 7 2	56-7970	Clamp Half - Tube	2 45 2
27-2320	Bearing - Flange	1 33 2	57-6140	Clamp Half - Tube	8 20 2
27-2380	Spacer	20 32 2	57-6220	Link	10 17 5
27-2540	Spacer - Hub	6 31 1	57-7650	Spring - Torsion	4 11 1
27-2550	Pin - Pivot	6 27 1	57-7650	Spring - Torsion	6 18 1
27-2830	Decal - Parking Brake	1 9 1	57-7650	Spring - Torsion	3 32 1
27-6600	Spacer - Coupling	27 15 4	58-3953	Steering - Valve Assembly	17 24 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
58-6520	Decal - Grease	29 36 2	72-3850	Seal - Filter	20 28 1
58-6530	Decal - Hydraulic Oil	19 33 1	72-4320	Switch - Ball	19 18 1
59-6730	Race - Bearing	18 8 2	72-4380	Seal Kit	32 * 1
59-6740	Bearing - Needle Thrust	18 9 1	72-4390	Repair Kit	32 * 1
59-6830	Centering Pin Kit	18 20 1	72-4790	Hold-Down - Battery	20 16 1
59-6890	Cap - End	18 18 1	74-0720	Tube - Manual	19 3 1
61-3310	Plate - Logo	20 21 1	74-3570	Filter - Hydraulic Oil	20 29 1
62-2390	Bar - Lift L.H.	3 30 1	74-3730	Spacer - Hub	29 11 2
62-2420	Bar - Lift	6 8 1	74-3830	Hose - Hydraulic	31 12 1
62-2420	Bar - Lift	4 9 1	74-3830	Hose - Hydraulic	11 28 1
62-2440	Lift Arm Assembly	4 8 1	74-9100	Pad - Forward Pedal	10 25 1
62-2460	Lift Arm Assembly L.H.	3 29 1	74-9110	Pad - Reverse Pedal	10 23 1
62-5070	Decal - Danger	3 13 1	75-0540	Tether - Cap	23 9 1
62-5070	Decal - Danger	4 3 1	75-9190	Seat Assembly	19 5 1
62-5070	Decal - Danger	6 3 1	75-9440	Hub - Wheel	29 15 1
63-3810	Hose - Hydraulic	31 1 1	75-9720	Cushion - Seat	19 35 1
63-3820	Hose - Hydraulic	31 2 1	75-9810	Backrest	19 37 1
63-3830	Hose - Hydraulic	31 13 1	75-9990	Motor - Hydraulic	8 22 2
63-3840	Hose - Hydraulic	31 5 1	76-0800	Seal Kit	9 * 1
63-3840	Hose - Hydraulic	11 36 1	76-0810	Housing Assembly	9 * 1
63-3850	Hose - Hydraulic	11 31 1	76-0840	Manifold	9 22 1
63-3850	Hose - Hydraulic	3 39 1	76-0850	Bearing - Thrust	9 12 1
63-3870	Hose - Hydraulic	31 16 1	76-0860	Shaft - Coupling	9 11 1
63-3880	Hose - Hydraulic	11 29 1	76-0870	Plate - Wear	9 18 1
63-3880	Hose - Hydraulic	4 40 1	76-0880	Commutator Assembly	9 * 1
63-4020	Tube - Hydraulic	31 17 1	76-0940	End Cover Assembly	9 24 1
63-4020	Tube - Hydraulic	11 40 1	76-0960	Link - Drive	9 13 7
63-4030	Tube - Hydraulic	31 18 1	76-0970	Rotor Set	9 * 1
63-4030	Tube - Hydraulic	11 41 1	76-1010	Screw - Cap Hex. Hd.	9 14 1
63-4040	Hydraulic Tube Assembly	31 4 1	76-1850	Clevis	5 13 1
63-4040	Tube - Hydraulic	11 35 1	76-1860	Shaft	5 6 1
63-4050	Fitting - Tee	11 42 2	77-0480	Screw - Traction Stop	10 34 1
63-8360	Key - Ignition	21 17 1	80-9330	Audio Alarm Assembly	21 25 1
63-8410	Washer - Flat	24 4 4	83-0010	Engine Assembly	26 15 1
63-8410	Washer - Flat	23 36 3	83-0020	Ignition Switch Assembly	21 14 1
63-8440	Decal - Warning Hot	26 34 1	83-0030	Control - Throttle	21 12 1
63-8750	Pin - Pivot	6 9 1	83-0040	Control - Choke	21 13 1
63-8750	Pin - Pivot	4 10 1	83-0060	Lift - Pivot	1 26 1
63-8750	Pin - Pivot	3 33 1	83-0080	Spring - Torsion	1 25 1
65-4860	Head	5 9 1	83-0140	Pedal - Mow	2 38 1
65-6390	Washer - Thrust	17 13 1	83-0160	Shaft - Brake	2 48 1
66-2950	Gauge - Hourmeter	21 5 1	83-0190	Cover - R.H.	8 18 1
67-1300	Decal - TORO	20 39 1	83-0200	Cover - L.H.	1 17 1
68-4940	Hydraulic Pump Assembly	27 9 1	83-0220	Frame Assembly	20 18 1
68-5100	Rod - Seat Prop	19 10 1	83-0540	Pedal - Traction	10 24 1
68-5130	Steering Wheel Assembly	17 11 1	83-0580	Rod - Traction Control	10 32 1
68-5140	Cap - Steering Wheel	17 9 1	83-0590	Traction Handle Assembly	10 12 1
68-5260	Fitting - Manifold Tee	11 37 1	83-0630	Arm - Traction Pivot	10 29 1
68-5310	Clip - Seat Rod	19 12 1	83-0640	Plate - Footrest	1 12 1
68-5380	Lift Arm Assembly	6 21 1	83-0650	Arm - Steering	17 3 1
68-5560	Pin - Cylinder Pivot	6 26 1	83-0700	Handle - Lockup	17 18 1
68-5880	Hose - Hydraulic	20 30 1	83-0730	Spacer - Lockup	17 15 1
68-6150	Breather	23 21 1	83-0740	Disc - Friction	17 14 2
69-9760	Plate - Cover	2 50 1	83-0750	Screw - Cap Hex. Hd. L.H.	17 6 1
70-2770	Head	7 8 1	83-0760	Plate - Lockup	17 16 1
70-2780	Piston	7 4 1	83-0780	Support - Steering Valve	17 4 1
70-7130	Tube Assy.	11 3 1	83-0810	Cover - Steering Valve	17 25 1
70-7150	Hose - Hydraulic	12 48 1	83-0820	Gauge - Ammeter	21 4 1
70-8130	Barrel	7 1 1	83-0830	Panel - Control Upper	20 33 1
70-8250	Drive	18 16 1	83-0840	Fender - L.H.	20 19 1
70-8610	Hose - Hydraulic	12 51 1	83-0850	Plate - Control Panel	21 2 1
70-8631	Cap - Fuel	24 1 1	83-0860	Reservoir - Hydraulic	23 5 1
70-8640	Cap - Hydraulic Reservoir	23 8 1	83-0870	Fitting - Hydraulic Straight	23 32 3
70-9800	Reel Motor Assembly	31 8 3	83-0910	Hose - Hydraulic	23 30 2
70-9840	Shoe - Brake	8 8 4	83-0910	Hose - Pump	27 11 2
70-9850	Clip - Retaining	8 23 2	83-0920	Tank - Fuel	24 2 1
70-9860	Cam - Brake	8 27 2	83-0930	Fork - Castor	29 19 1
70-9870	Plate - Backing	8 10 2	83-1030	Mount - Engine	26 4 3
70-9880	Spring - Return	8 7 4	83-1040	Washer - Mount	26 2 3
71-0990	Orifice	11 43 1	83-1050	Spacer - Mount	26 3 2
71-1500	Brake Assembly	8 * 2	83-1060	Adapter - Pump	26 10 1
71-1510	Arm - Brake	8 24 2	83-1080	Pipe - Exhaust	26 7 1
71-3620	Decal - Engine RPM	26 13 1	83-1100	Harness - Wire (Main)	22 1 1

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Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
83-1100	Harness - Wire (Main)	21	8	1	83-2240	Arrestor - Spark	26	*	1
83-1110	Harness - Wire (Engine)	22	2	1	83-2250	Guage - Sight	23	25	1
83-1140	Wire - Solenoid-Battery	22	4	1	83-2280	Timer - Relay	21	27	1
83-1150	Wire - Engine Ground	22	5	1	83-2310	Shield	26	35	1
83-1160	Wire - Solenoid-Starter	22	3	1	83-2330	Hydraulic Cylinder Assy.	29	33	1
83-1170	Hose - Hydraulic	11	22	1	83-2340	Cap - Threaded	30	2	2
83-1170	Hose - Hydraulic	27	28	1	83-2350	Cap - Head, Thread	30	5	2
83-1180	Hose - Hydraulic	11	6	1	83-2360	Assembly - Rod	30	9	1
83-1180	Hose - Hydraulic	27	8	1	83-2370	Assembly - Barrel	30	12	1
83-1190	Hose - Hydraulic	27	1	2	83-2380	Kit - Seal Repair	30	*	1
83-1190	Hose - Hydraulic	11	10	2	83-2390	Pad - Tank	23	2	1
83-1200	Tube Assy.	11	5	1	83-2400	Spacer - Tank	23	1	2
83-1210	Hose - Hydraulic	4	39	1	83-2450	Hose - Hydraulic	11	1	1
83-1220	Plate - Clamp	8	21	1	83-2450	Hose - Hydraulic (Top)	8	34	1
83-1230	Muffler	26	19	1	83-2460	Hose - Hydraulic	11	4	1
83-1270	Seat Support Assembly	19	7	1	83-2460	Hose - Hydraulic (Bottom)	8	*	1
83-1320	Filter - Fuel	24	13	1	83-2580	Cylinder - Lift	3	6	1
83-1350	Hose - Hydraulic	27	7	1	83-2580	Hydraulic Cylinder Assy.	4	22	1
83-1350	Hose - Hydraulic	17	26	2	83-2590	Bolt - Shoulder	2	47	1
83-1350	Hose - Hydraulic	29	28	1	83-3880	Hose - Hydraulic	11	18	1
83-1350	Hose - Hydraulic	12	45	1	83-7230	Hydraulic Cylinder Assembly	6	10	1
83-1360	Hose - Hydraulic	17	27	1	84-2000	Bracket - Brake	8	12	2
83-1360	Hose - Hydraulic	29	30	1	84-2202	Control Valve Assembly	16	*	1
83-1370	Hose - Hydraulic	17	28	1	84-2202	Control Valve Assembly	11	16	1
83-1390	Fiting - Fuel Shut-Off	24	15	1	84-8260	Hose - Hydraulic	11	20	1
83-1400	Shield - Muffler	26	16	1	85-6540	Stud - Drive	8	28	8
83-1420	Column - Steering	17	23	1	85-8120	Plate - Engine Mount	26	28	1
83-1430	Hose - Hydraulic	20	23	1	86-5360	Repair Kit	7	*	1
83-1430	Hose - Hydraulic	23	34	1	86-5390	Seal Kit	5	*	1
83-1450	Sensor - Oil Level	23	3	1	86-9810	Frame - Pull L.H.	3	24	1
83-1460	Solenoid Valve Assembly	23	28	1	86-9820	Frame - Pull R.H.	4	1	1
83-1470	Washer - Neoprene	23	18	4	86-9820	Frame - Pull Rear	6	1	1
83-1510	Plug - Filler Cap	23	7	1	88-9500	Needle Valve Assembly	12	*	1
83-1520	Screen - Filler	23	6	1	88-9620	Decal - Greensmaster 3100	2	46	1
83-1530	Bracket - Alarm	21	23	1	88-9630	Lift Pivot Bracket R.H.	2	40	1
83-1550	Spacer - Tank (Short)	23	17	2	88-9640	Lift Pivot Bracket L.H.	1	28	1
83-1560	Spacer - Tank (Long)	23	23	2	88-9660	Shaft - Cutting Control	2	36	1
83-1630	Bracket - Muffler Support	26	24	1	88-9700	Hose - Hydraulic	6	15	1
83-1640	Rod End Assembly	29	6	1	92-0585	Pull Arm Assembly R.H.	3	19	1
83-1660	Switch Assembly	21	6	1	92-0585	Pull Arm Assembly R.H.	4	34	1
83-1670	Fitting - Special	11	27	1	92-0585	Pull Arm Assembly R.H.	6	42	1
83-1680	Hose - Hydraulic	6	13	1	92-0586	Pull Arm Assembly L.H.	3	17	1
83-1680	Hose - Hydraulic	11	30	1	92-0586	Pull Arm Assembly L.H.	4	31	1
83-1690	Hose - Hydraulic	11	21	1	92-0586	Pull Arm Assembly L.H.	6	39	1
83-1690	Hose - Hydraulic	3	40	1	92-0587	Fitting - Valve Body	11	17	1
83-1700	Bushing - Flange	8	33	2	92-0588	Valve - Needle	12	53	1
83-1700	Bushing - Flange	17	35	1	92-2545	Seals - Spool	14	*	1
83-1780	Decal - Service	19	34	1	92-2545	Seals - Spool	16	*	1
83-1790	Decal - Warning	17	5	1	92-2546	Wiper - Seal	13	25	4
83-1830	Cover - R.H.	20	2	1	92-2546	Wiper - Seal	16	64	5
83-1840	Cover - R.H.	19	32	1	92-2547	Plate - Seal Retainer	15	18	6
83-1850	Decal - Traction	20	38	1	92-2547	Plate - Seal Retainer	13	24	4
83-1860	Centering Spring Kit	18	12	1	92-2548	Seal - Spool Set	14	*	1
83-1870	Gerotor	18	17	1	92-2548	Seal - Spool Set	16	*	1
83-1880	Control Parts Assembly	18	*	1	92-2549	Seal - Spool Set	16	*	1
83-1890	Switch - Ball	14	54	1	92-3058	Spring - Cenering	13	41	1
83-1890	Switch - Ball	16	60	1	217-60	Rim	8	3	2
83-1900	Plate - Spacer	18	15	1	217-60	Rim	29	10	1
83-1940	Guard - Pump	27	30	1	218-461	Nut - Hex.	21	16	1
83-1990	Body - Valve	23	*	1	218-461	Nut - Hex.	19	25	2
83-2000	Spool - Valve	23	*	1	218-594	Fuse - 20 Amp	21	7	1
83-2010	Coil - Valve	23	*	1	2112-11	Clamp - Muffler	26	14	1
83-2030	Plate - Filler	21	3	1	232-24	Stem - Valve	8	1	2
83-2040	Hose - Fuel	24	14	1	232-24	Valve Stem w/Cap	29	18	1
83-2041	Hose - Fuel	24	11	1	233-48	Knob	10	11	1
83-2050	Decal - Steering Arm	17	32	1	233-48	Knob	17	17	1
83-2070	Hose - Valve	23	14	1	237-7	Seal - O-Ring	19	24	1
83-2080	Hose - Valve-Tank	23	29	1	237-21	Seal - O-Ring	27	6	1
83-2090	Hose - Overflow	23	15	1	237-21	Seal - O-Ring	11	19	9
83-2100	Tank - Auxiliary Hydraulic	23	26	1	237-21	Seal - O-Ring	17	29	4
83-2200	Nut - Special	24	8	1	237-21	Seal - O-Ring	29	31	2
83-2220	Deflector - Exhaust	26	20	1	237-22	Seal - O-Ring	27	2	3
83-2230	Screw - Cap Hex. Hd.	26	22	4	237-22	Seal - O-Ring	11	11	6

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Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
237-22	Seal - O-Ring	31	11	5	302-5	Fitting - Grease	1	27	1
237-30	Seal - O-Ring	31	3	5	302-5	Fitting - Grease	4	29	4
237-30	Seal - O-Ring	11	7	2	302-5	Fitting - Grease Straight	3	15	4
237-30	Seal - O-Ring	19	19	1	302-5	Fitting - Grease Straight	6	37	5
237-30	Seal - O-Ring	27	27	1	302-11	Fitting - Grease	29	2	1
237-35	Seal - O-Ring	6	11	2	302-55	Fitting - Grease	29	16	1
237-42	Seal - O-Ring	27	4	4	302-60	Fitting - Grease 90°	3	8	2
237-42	Seal - O-Ring	31	9	3	302-60	Fitting - Grease 90°	4	17	2
237-42	Seal - O-Ring	11	15	4	302-60	Fitting - Grease 90°	6	32	1
237-42	Seal - O-Ring	17	31	4	304-61	Clamp - R	11	23	1
237-54	O-Ring	15	3	6	321-2	Screw - Cap Hex. Hd.	23	16	1
237-54	O-Ring	13	6	8	321-3	Screw - Cap Hex. Hd.	20	10	4
237-58	Seal - O-Ring	11	34	1	321-3	Screw - Cap Hex. Hd.	19	13	1
237-65	Seal - O-Ring	11	2	6	321-3	Screw - Cap Hex. Hd.	2	52	3
237-65	Seal - O-Ring	8	15	2	321-4	Screw - Cap Hex. Hd.	21	21	1
237-78	Seal - O-Ring	6	14	2	321-4	Screw - Cap Hex. Hd.	26	27	4
237-78	Seal - O-Ring	29	32	2	321-4	Screw - Cap Hex. Hd.	8	31	1
237-78	Seal - O-Ring	3	38	2	321-4	Screw - Hex. Flange Hd.	1	16	2
237-78	Seal - O-Ring	4	38	2	321-5	Screw - Cap Hex. Hd.	8	26	8
237-79	Seal - O-Ring	31	7	3	321-11	Screw - Cap Hex. Hd.	23	40	2
237-79	Seal - O-Ring	11	9	5	321-11	Screw - Cap Hex. Hd.	2	43	1
237-79	Seal - O-Ring	23	11	5	321-11	Screw - Hex. Washer Hd.	8	17	1
237-80	Seal - O-Ring	23	4	1	322-1	Screw - Cap Hex. Hd.	3	1	3
237-80	Seal - O-Ring	8	13	2	322-1	Screw - Cap Hex. Hd.	4	21	3
237-80	Seal - O-Ring	27	25	1	322-1	Screw - Cap Hex. Hd.	6	30	2
237-80	Seal - O-Ring	11	32	3	322-1	Screw - Cap Hex. Hd.	27	31	2
237-81	Seal - O-Ring	11	38	1	322-2	Screw - Cap Hex. Hd.	19	1	2
237-101	Seal - O-Ring	20	26	2	322-3	Screw - Cap Hex. Hd.	6	25	1
237-123	Seal - O-Ring	23	24	1	322-3	Screw - Cap Hex. Hd.	26	32	6
237-143	Grommet	20	40	2	322-4	Screw - Cap Hex. Hd.	27	32	2
237-177	Seal - O-Ring	23	33	3	322-4	Screw - Cap Hex. Hd.	20	36	4
240-11	Grommet	24	3	4	322-5	Screw - Cap Hex. Hd.	10	36	2
240-11	Grommet	23	37	3	322-6	Screw - Cap Hex. Hd.	27	18	4
242-50	Nut - Lug	29	8	4	322-7	Screw - Cap Hex. Hd.	26	21	2
242-50	Nut - Lug	8	29	8	322-14	Screw - Cap Hex. Hd.	23	20	2
2410-18	Plug	33	2	1	322-14	Screw - Cap Hex. Hd.	11	39	3
2410-73	Retainer - Tether	23	10	1	322-29	Screw - Cap Hex. Hd.	23	22	2
2411-42	Joint - Ball L.H. Thread	10	30	1	323-4	Screw - Cap Hex. Hd.	17	7	2
2411-43	Joint - Ball R.H. Thread	10	33	1	323-6	Screw - Cap Hex. Hd.	24	6	3
2412-34	Clamp - Hose	27	10	2	323-6	Screw - Cap Hex. Hd.	23	35	3
2412-34	Clamp - Hose	20	24	2	323-8	Screw - Cap Hex. Hd.	27	24	2
2412-34	Clamp - Hose	23	31	3	323-12	Screw - Cap Hex. Hd.	26	1	3
2412-36	Clamp - Hose	24	16	2	323-13	Screw - Cap Hex. Hd.	1	5	4
2412-41	Clamp - R	24	5	3	324-7	Screw - Cap Hex. Hd.	26	30	4
2412-94	Clamp - R	24	10	1	325-4	Screw - Cap Hex. Hd.	17	19	2
2412-106	Clamp - R	21	28	1	325-11	Screw - Cap Hex. Hd.	8	9	8
2412-108	Clamp - Hose	24	12	4	3211-2	Screw - Cap Hex. Hd.	10	19	2
2412-129	Clamp - Hose	23	13	6	3217-5	Nut - Hex.	20	12	2
2412-133	Clamp - R	19	4	2	3217-6	Nut - Lock	28	1	4
250-6	Tie - Cable	26	*	2	3217-7	Nut - Hex	13	33	3
251-141	Bearing - Ball	3	22	2	3217-12	Nut - Lock	29	26	1
251-141	Bearing - Ball	4	37	2	3218-13	Nut - Jam	20	8	2
251-141	Bearing - Ball	6	45	2	3219-2	Nut - Hex.	34	6	1
253-111	Seal - Shaft	29	12	2	3219-14	Nut - Hex.	20	7	2
254-61	Cup - Bearing	29	3	2	3219-14	Nut - Hex.	21	10	6
254-70	Cone - Bearing	29	4	2	3219-18	Nut - Hex.	33	2	1
254-78	Cone - Bearing	29	13	2	3220-2	Nut - Jam	10	2	2
254-79	Cup - Bearing	29	14	2	3220-2	Nut - Jam	1	3	5
256-2	Bushing - Sleeve	10	20	2	3220-3	Nut - Jam	4	2	2
256-155	Bushing - Flange	10	26	2	3220-3	Nut - Jam	6	2	2
256-155	Bushing - Flange	19	28	2	3220-3	Nut - Jam	3	23	2
256-251	Bushing - Sleeve	10	10	2	3220-6	Nut - Jam	5	14	1
282-2	Clevis - Adjusting	1	2	5	3220-6	Nut - Jam	29	21	2
282-2	Clevis - Rod	10	3	1	3220-20	Nut - Jam L.H. Thread	10	31	1
283-8	Pin - Clevis	3	4	1	3229-22	Bolt - Carriage	1	10	2
283-8	Pin - Clevis	4	18	1	3234-1	Screw - Cap Hex. Hd.	2	53	4
283-57	Pin - Clevis	10	8	1	3234-1	Screw - Hex. Flange Hd.	10	6	4
283-61	Pin - Clevis	1	1	5	3241-2	Screw - Set Square Hd.	27	19	2
283-61	Pin - Clevis	10	4	1	3241-6	Screw - Set Square Hd.	27	13	2
302-2	Fitting - Grease	6	17	1	3245-1	Screw - Set, Hex. Soc. Hd.	30	1	2
302-2	Fitting - Grease	4	23	1	3246-3	Screw - Set	17	12	1
302-2	Fitting - Grease Straight	3	34	1	3253-3	Washer - Lock	26	26	4
302-5	Fitting - Grease	30	13	1	3253-3	Washer - Lock	23	39	2

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3253-3	Washer - Lock	2	44	1	3290-379	Tie - Cable	6	47	1
3253-3	Washer - Lock	16	57	4	3290-470	Screw - Flat Hd.	20	22	2
3253-4	Washer - Lock	19	2	2	3296-4	Nut - Lock	10	22	2
3253-4	Washer - Lock	20	9	2	3296-16	Nut - Lock	19	11	1
3253-4	Washer - Lock	6	46	1	3296-16	Nut - Lock	1	21	2
3253-6	Washer - Lock	26	29	4	3296-16	Nut - Lock	21	24	9
3253-21	Washer - Lock	27	23	2	3296-16	Nut - Lock	20	34	3
3253-21	Washer - Lock	4	27	2	3296-16	Nut - Lock	12	49	1
3253-21	Washer - Lock	3	35	2	3296-23	Nut - Lock	8	19	8
3253-21	Washer - Lock	6	35	2	3296-27	Nut - Lock	21	11	4
3254-1	Washer - Lock	20	6	2	3296-29	Nut - Lock	19	8	4
3254-5	Washer - Lock	21	15	1	3296-29	Nut - Lock	27	14	4
3254-6	Washer - I.T.L.W.	10	18	2	3296-29	Nut - Lock	10	16	2
3255-7	Washer - Lock	21	29	1	3296-29	Nut - Lock	6	29	1
3255-8	Washer - Lock, Int. Tooth	34	9	1	3296-42	Nut - Lock	8	25	8
3256-1	Washer - Flat	26	18	8	3296-59	Nut - Lock	10	15	4
3256-1	Washer - Flat	21	20	8	3296-59	Nut - Lock	2	34	8
3256-22	Washer - Flat	20	3	5	3296-67	Nut - Lock	29	25	1
3256-22	Washer - Flat	8	30	2	32103-12	Nut - Wing	20	14	2
3256-22	Washer - Flat	2	51	10	32104-76	Screw - Self Tapping	20	1	5
3256-23	Washer - Flat	3	2	3	32120-8	Ring - Retaining	5	10	1
3256-23	Washer - Flat	27	17	8	32121-6	Pin - Roll	10	39	1
3256-23	Washer - Flat	23	19	4	32121-6	Pin - Roll	2	41	1
3256-23	Washer - Flat	4	20	3	32121-35	Pin - Roll	1	32	8
3256-23	Washer - Flat	26	23	2	32121-45	Pin - Roll	19	14	1
3256-23	Washer - Flat	6	28	2	32121-45	Pin - Roll	10	28	2
3256-23	Washer - Flat	19	30	4	32122-35	Screw - Truss Head	34	8	1
3256-23	Washer - Flat	20	35	4	32128-14	Nut - Flange Lock	1	18	2
3256-24	Washer - Flat	10	14	6	32128-14	Nut - Lock	8	32	1
3256-24	Washer - Flat	4	26	2	32128-20	Nut - Flange Lock	11	24	3
3256-24	Washer - Flat	6	34	2	32128-20	Nut - Flange Lock	10	27	1
3256-24	Washer - Flat	2	35	9	32128-20	Nut - Flange Lock	27	29	2
3256-24	Washer - Flat	3	36	2	32128-20	Nut - Flange Lock	26	31	8
3256-26	Washer - Flat	4	12	1	32128-20	Nut - Lock, Flange	34	3	1
3256-26	Washer - Flat	6	20	1	32136-9	Nut - Hex. Slotted	29	34	1
3256-26	Washer - Flat	3	31	1	32141-111	Nut Flange Lock	1	11	1
3256-26	Washer - Flat	17	34	2	32144-4	Screw - Hex. Washer Hd.	26	17	4
3256-28	Washer - Flat	29	27	1	32144-21	Screw - Round Hd.	17	8	2
3256-63	Washer - Flat	24	7	1	32148-6	Insert - Threaded	1	19	8
3256-80	Washer - Flat	17	2	3	32149-2	Nut - Keps	20	37	2
3257-42	Key - Woodruff	8	11	2	32149-7	Nut - Keps	20	41	2
3257-42	Key - Woodruff	9	17	1	32151-41	Ring - Retaining	32	9	1
3272-4	Pin - Cotter	10	13	1	32152-10	Nut - Hex.	7	2	1
3272-6	Pin - Cotter	1	30	5	32152-10	Nut - Lock	5	2	1
3272-6	Pin - Cotter	10	41	1	340-1	Fitting - Hydraulic Straight	17	30	4
3272-11	Pin - Cotter	3	5	2	340-14	Fitting - Hydraulic 45°	8	14	4
3272-11	Pin - Cotter	19	9	1	340-16	Fitting - Hydraulic 90°	11	33	1
3272-11	Pin - Cotter	4	13	2	340-18	Fitting - Hydraulic 90°	11	13	1
3272-11	Pin - Cotter	6	19	1	340-77	Fitting - Hydraulic 90°	31	10	2
3272-37	Pin - Cotter	29	1	1	340-77	Fitting - Hydraulic 90°	11	14	2
3273-26	Screw - Hex. Socket Hd.	21	18	4	340-82	Fitting - Hydraulic 90°	27	5	1
3274-7	Screw - Socket Hd.	26	9	2	340-87	Fitting - Hydraulic 45°	27	3	3
3274-12	Screw - Hex. Socket Hd.	19	29	4	340-87	Fitting - Hydraulic 45°	31	15	1
3274-15	Screw - Fillister Hd.	13	43	2	340-98	Fitting - Hydraulic 90°	31	14	2
3274-31	Screw - Hex. Socket Hd.	1	15	4	340-101	Fitting - Hydraulic 45°	31	6	1
3274-39	Screw - Cap Hex. Hd.	17	21	6	340-101	Fitting - Hydraulic 45°	11	8	1
3274-52	Screw - Hex. Socket Hd.	13	20	4	340-103	Fitting - Hydraulic 45°	6	12	2
3274-52	Screw - Hex. Socket Hd.	15	45	6	340-105	Fitting - Hydraulic 90°	27	26	1
3274-63	Screw - Hex. Socket Hd.	17	33	2	340-132	Fitting - Hydraulic 90°	29	29	2
3274-64	Screw - Hex. Socket Hd.	20	4	3	340-137	Fitting - Hydraulic 45°	11	44	1
3274-69	Screw - Hex. Socket Hd.	21	1	8	340-138	Fitting - Hydraulic 45°	11	12	2
3274-70	Screw - Hex. Socket Hd.	13	1	2	351-78	Edging	19	40	1
3274-80	Screw - Cap Hex. Hd.	17	1	3	351-79	Clip	19	38	6
3274-84	Screw - Cap, Hex. Hd.	16	58	4	351-80	Clip - Joint	19	39	1
3284-3	Pin - Groove	19	15	1	351-81	Shell	19	36	1
3289-20	Screw - Flat Hd.	8	16	2	353-301	Poppet	13	27	1
3290-277	Nut - Tinnerman	17	22	6	353-302	O-Ring	15	7	3
3290-317	Washer - Wave	3	18	2	353-302	O-Ring	13	10	3
3290-317	Washer - Wave	4	32	2	353-303	Ring - Backup	15	8	6
3290-317	Washer - Wave	6	40	2	353-303	Ring - Backup	13	9	6
3290-357	Nut - Flange Lock	26	8	3	353-304	Spring	13	28	1
3290-357	Nut - Lock	1	20	1	353-305	O-Ring	15	5	5
3290-378	Tie - Cable	26	*	2	353-305	O-Ring	13	8	4

*Not Illustrated

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Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
353-306	Ring - Backup	15	4	5	353-780	Bonnet - R. Detent	13	42	1
353-306	Ring - Backup	13	7	4	353-780	Positioner - R. Detent (Out)	14	*	1
353-328	Washer - Shim	13	15	A/R	353-780	Spud - Detent Out	14	50	1
353-328	Washer - Shim	15	32	A/R	353-808	Collar - Spring	15	24	1
353-329	Washer - Shim	13	16	A/R	353-829	Collar Spool	15	26	1
353-329	Washer - Shim	15	33	A/R	353-830	O-Ring	15	25	1
353-330	Washer - Shim	13	17	A/R	353-831	Spring	15	21	1
353-330	Washer - Shim	15	34	A/R	353-833	Positioner Assembly	16	*	1
353-331	O-Ring	13	29	1	353-834	Section #5 Assembly	16	*	1
353-334	Cap - Relief	13	19	2	353-835	Seals - Section Set	14	*	1
353-334	Cap - Relief	15	36	2	353-835	Seals - Section Set	16	*	1
353-392	Seal - Relief Poppet PTFE	13	13	2	353-837	Section #2 Complete	14	*	1
353-392	Seal - Relief Poppet PTFE	15	30	2	353-839	Positioner - DI (SPL) Assy.	14	*	1
353-398	Spring	15	35	1	353-840	Position - DI (SP) Assy.	16	*	1
353-417	Collar Spring	15	20	2	353-841	Position - Spool Assembly	16	*	1
353-417	Collar Spring	13	40	2	353-844	Plus Series	16	55	1
353-481	Plug - Load Check	15	2	3	353-845	Sleeve - Detent	15	41	1
353-481	Plug - Load Check	13	5	3	353-846	Spud - DI (SPL)	15	40	1
353-483	Body - Anticavitation	16	61	1	353-847	Bonnet (SPL)	15	38	1
353-484	Retainer - Ball	16	62	1	353-848	O-Ring	15	14	1
353-529	Plate Seal	15	22	1	353-849	Sleeve	15	39	1
353-530	Spring	15	23	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	23	38	1	353-853	Bolt - Hex Hd.	15	10	3
353-550	Plug Assembly	15	13	1	353-854	Boot - Spool Assembly	14	*	2
353-559	Retainer - Boot	13	22	2	353-854	Boot - Spool Assembly	16	*	3
353-559	Retainer - Boot	15	47	3	353-855	Spring	13	18	2
353-560	Washer - Breather	13	23	2	353-855	Spring	15	44	1
353-560	Washer - Breather	16	48	3	353-884	Key - Woodruff	28	19	4
353-563	Fitting - Hydraulic Straight	20	25	1	353-886	Ring - Retaining	28	18	2
353-564	Fitting - Hydraulic 90°	20	31	1	353-922	Seal - Ring	28	23	10
353-575	Boot - Dust Cap	13	21	2	353-923	Bearing Plate Assembly	28	26	2
353-575	Boot - Dust Cap	15	46	3	353-952	Ring - Backup	13	32	1
353-579	Spring	13	45	1	353-953	Plug Assembly	16	54	1
353-586	Bearing - Needle	32	13	4	353-957	Seal - Lip	15	15	6
353-588	Cover - Motor	32	3	1	353-957	Seal - Lip	13	26	4
353-591	Block - Anti-Extrusion	32	8	1	353-958	Ring - Backup	15	16	1
353-592	Drive Shaft Assembly	32	16	1	353-964	Gear - 66B	28	21	1
353-593	Idle Gear Assembly	32	7	1	353-967	Gear - 33B	28	24	6
353-594	Seal Assembly	32	14	1	353-969	Plate - Gear 33B	28	25	3
353-595	Plate - Wear	32	15	1	353-971	Plate - Gear 66B	28	14	1
353-596	O-Ring	32	17	1	354-1	Shaft - Drive	28	20	1
353-597	Bridging - Insert	32	5	1	354-2	Body Assembly	28	15	1
353-598	Gasket - Insert	32	6	1	354-3	Bearing Plate Assembly	28	22	1
353-599	Pin - Dowel	32	4	2	354-4	Bearing Plate Assembly	28	28	1
353-600	Washer	32	2	4	354-5	Adapter - Splined	28	27	1
353-601	Screw - Hex Socket Hd.	32	1	4	354-6	Plate - Gear 18B	28	30	1
353-642	Relief - RC Mod.	14	*	2	354-7	Cover Assembly	28	31	1
353-642	Relief - RC Mod. Assembly	16	*	1	354-8	Drive Shaft - Gear Assy.	28	29	1
353-668	Plate - Cap, Cover RH	15	11	1	354-9	Idle Shaft - Gear Assy.	28	5	1
353-721	Plug	13	35	2	354-10	Idle Shaft - Gear Assy.	28	12	1
353-727	Bonnet	13	2	1	354-11	Pin - Dowel	28	4	2
353-728	Sleeve	14	49	1	354-12	Pin - Dowel	28	6	2
353-729	Spud - Detent	13	3	1	354-13	Pin - Dowel	28	11	4
353-730	Spring	15	42	1	354-14	Pin - Dowel	28	13	2
353-731	Ball	15	43	1	354-15	Seal - Shaft	28	17	1
353-732	Sleeve - Detent	14	52	1	354-16	Washer - Lock	28	2	4
353-733	Spacer - Bonnet	13	4	1	354-17	Stud - Threaded	28	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
353-758	Seal - O-Ring	13	31	1	354-28	Screw - Hex, Socket Hd.	15	28	2
353-760	Body Relief	13	30	1	354-29	Plate - Thrust	14	48	1
353-763	Cap - Adjustment	13	44	1	354-35	Gasket	28	32	1
353-766	Relief WH (2000) PSI Assy.	14	*	1	354-120	Fitting - HYdraulic 90°	23	27	3
353-768	Section #1 Complete	14	*	1	354-121	Fitting - Hydraulic Straight	23	12	1
353-770	Section #3 Assembly	16	*	1	354-122	Disc - Seal	16	52	1
353-772	Left End Cover	13	34	1	354-129	Anticavitation Check Assy.	16	*	1
353-777	Body - Motor	32	12	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.

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