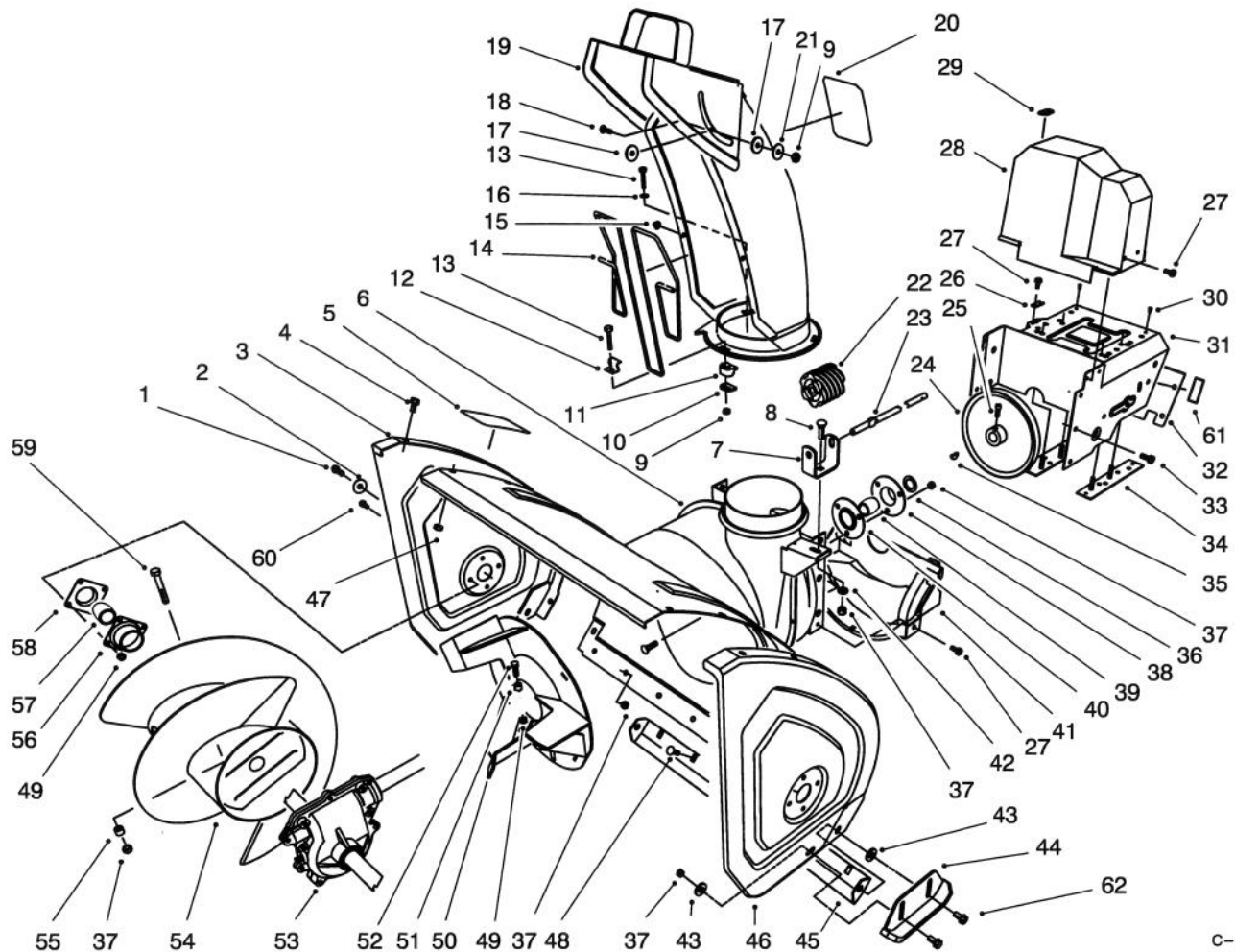


TORO®

MODEL NO. 38590-7900001 & UP
MODEL NO. 38591-7900001 & UP

PARTS CATALOG

1232 POWER SHIFT® SNOWTHROWER



C-2584

HOUSING ASSEMBLY

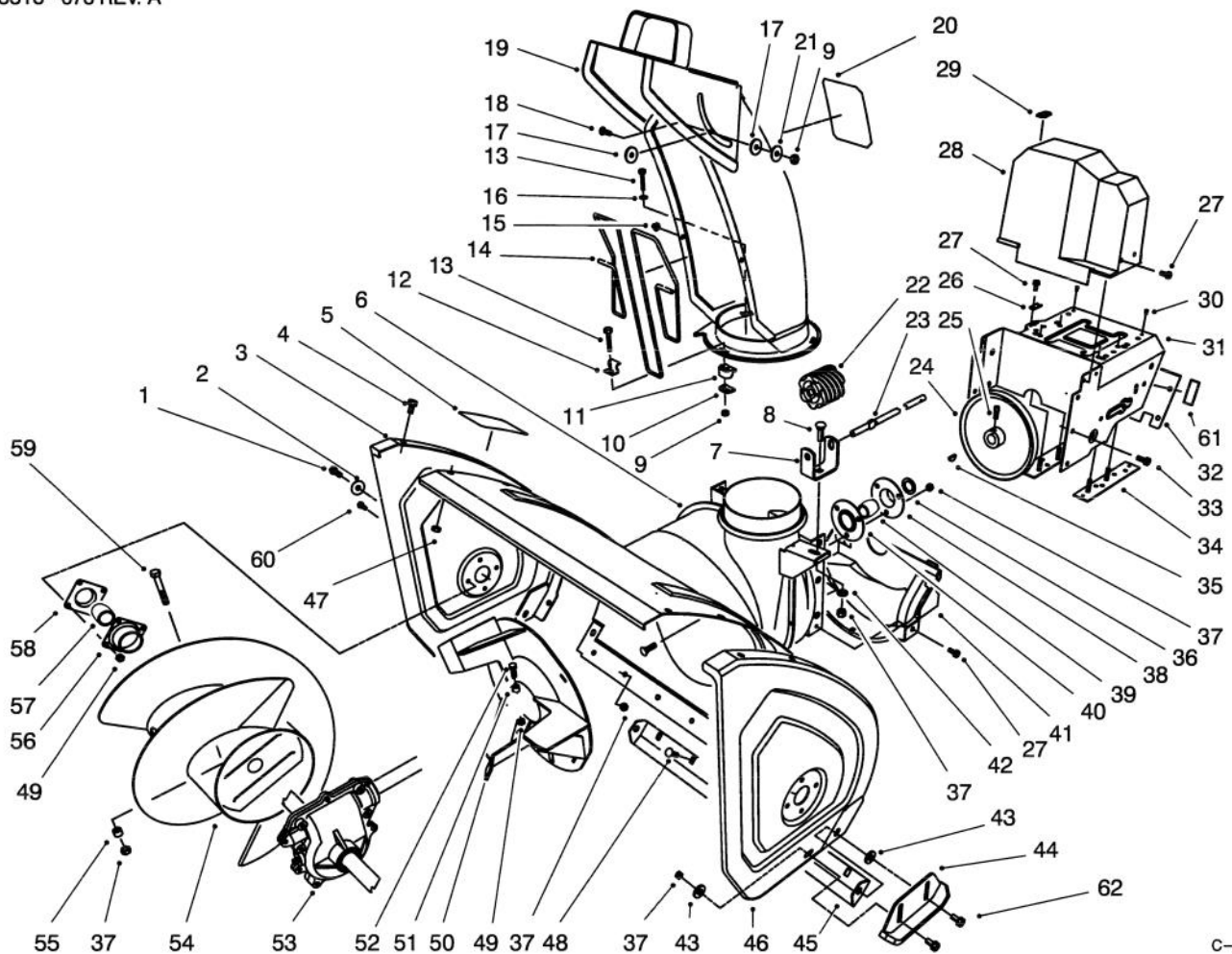
Ref. No.	Part No.	Description	No. Used
1	323-6	Screw - Hex Hd.	2
2	3-0750	Washer - Retaining	2
3	66-7821	Plate - Side R.H.	1
4	3234-28	Screw - Hex Flange Hd.	12
5	53-7670	Decal - Warning Auger (Model 38590 Only)	1
*	94-2568	Decal - Warning Auger (Model 38591 Only)	1
6	62-0722	Housing - 32"	1
7	63-2180	Bracket - Gear	1
8	3230-2	Bolt - Carriage	1
9	3296-2	Nut - Lock	4
10	63-2670	Plate - Chute Retainer	3
11	62-1430	Retainer - Chute	3
12	63-3130	Clip - Chute Guard	1
13	3274-13	Screw - Machine	3
14	63-3020	Guard - Chute	1

Ref. No.	Part No.	Description	No. Used
15	3290-326	Nut - Push	2
16	3256-14	Washer - Flat	1
17	63-2900	Washer - Plastic	2
18	32122-32	Screw	1
19	62-0840	Chute Assembly	1
20	94-8079	Decal - Danger Chute (Model 38590 Only)	1
*	94-2559	Decal - Danger Chute (Model 38591 Only)	1
21	3256-61	Washer - Flat	1
22	62-0820	Gear - Worm	1
23	62-1720	Rod - Chute Gear	1
24	62-1300	Pulley - Impeller	1
25	3242-4	Screw - Set Sq. Hd.	2
26	63-2300	Retainer - Cable	1
27	32144-4	Screw - Hex Flange Hd.	6

*Not Illustrated

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TPS



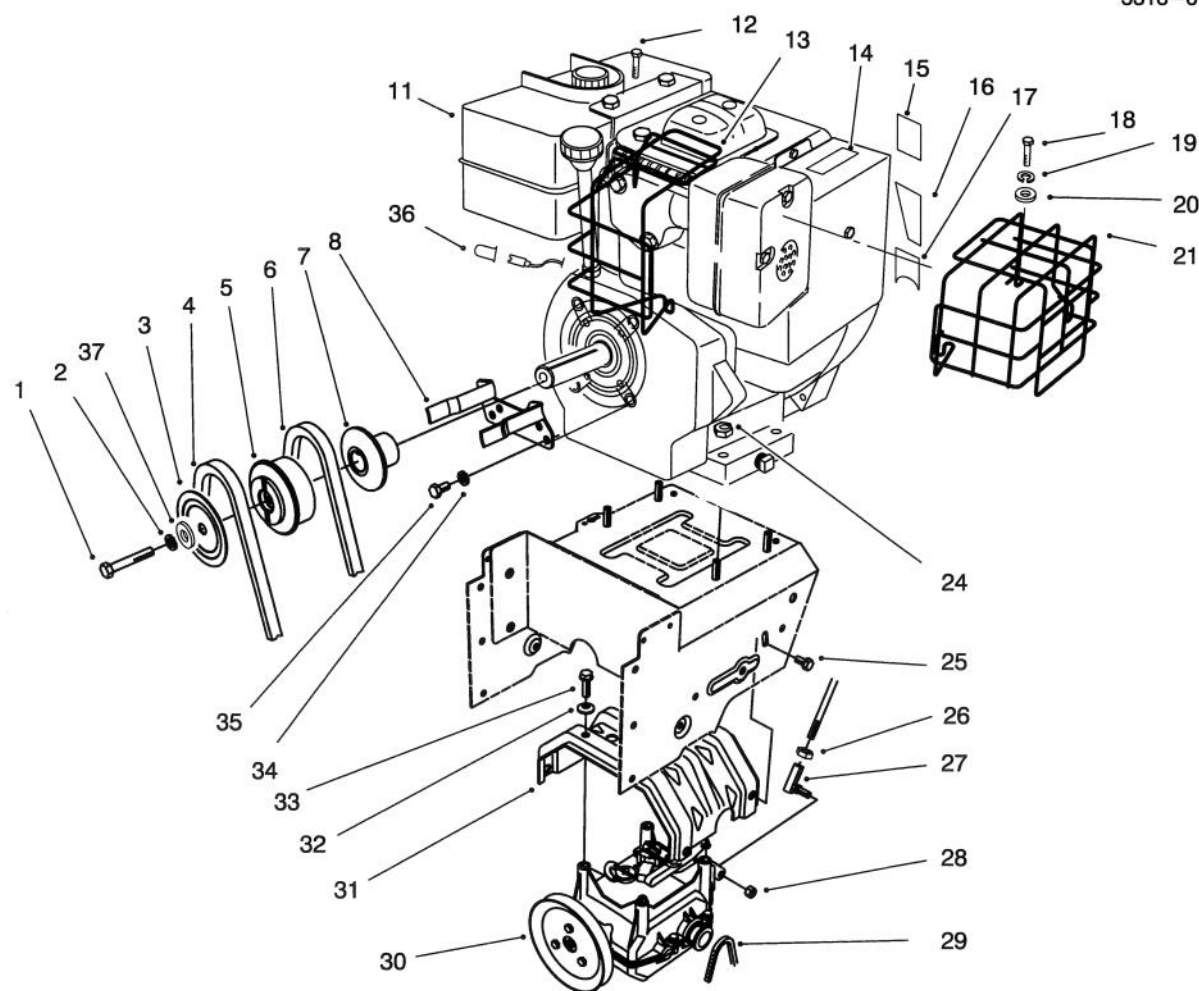
C-2584

HOUSING ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
28	63-2080	Cover - Belt (Upper)	1
29	63-3290	Cover - Cable	10
30	269-23	Rivet	4
31	66-6980	Frame - Engine	1
32	62-1440	Cover - Engine Frame	1
33	3234-7	Screw	6
34	66-4110	Plate - L.H.	1
*	66-4100	Plate - R.H.	1
35	3257-23	Key - Woodruff	1
36	252-80	Washer - Thrust	1
37	3296-29	Nut - Lock	16
38	26-6120	Flange - Bearing (Rear)	1
39	63-3450	Bearing - Impeller	1
40	26-6110	Flange - Bearing (Front)	1
41	68-8410	Cover - Belt (Lower)	1
42	3256-23	Washer - Flat	1
43	52-2861	Washer	4
44	74-1440	Skid Assembly	2
45	66-7760	Blade - Scraper	1
46	66-7831	Plate - Side L.H.	1

Ref. No.	Part No.	Description	No. Used
47	3296-47	Nut - Lock	12
48	3230-23	Screw - Carriage	11
49	3296-42	Nut - Lock	10
50	66-7920	Impeller	1
51	66-8010	Spacer	2
52	321-44	Screw - Hex. Hd.	2
53	74-1562	Auger Gearbox Assembly	1
54	68-7452	Auger - R.H.	1
*	68-7462	Auger - L.H.	1
55	25-5090	Spacer - Auger Hub	2
56	20-0990	Flange - Bearing (Inner)	2
57	20-0980	Bearing - Auger	2
58	20-1000	Flange - Bearing (Outer)	2
59	322-12	Bolt - Auger	2
60	321-3	Screw - Hex Hd.	8
61	68-9390	Decal - Differential (Model 38590 Only)	1
62	3234-5	Screw - Hex Washer Hd.	4
*	12-8789	Impeller Bearing Assembly (Incl. Ref. #38-40)	1

*Not Illustrated



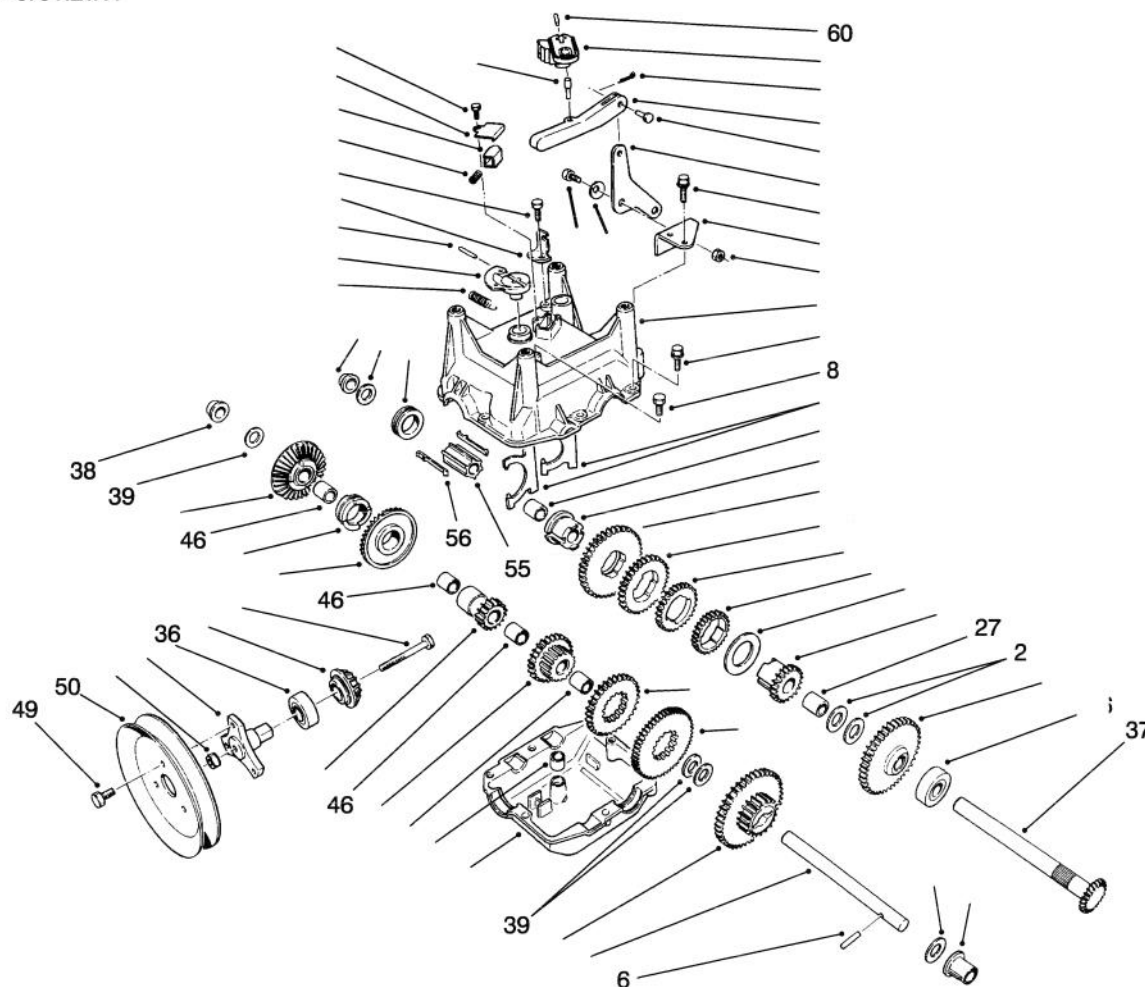
C-2585

ENGINE, TRANSMISSION DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3212-8	Screw - Hex. Hd.	1	†19	36-180	Washer - Lock, Model 38591	5
2	3253-6	Washer - Lock	1	†20	32-251-1	Washer - Flat, Model 38591	5
3	62-0940	Sheave Half - Impeller	1	†21	127-24	Guard-Muffler, Model 38591	1
4	63-2967	Belt - Impeller	1	24	32128-20	Nut - Lock	4
5	62-0930	Hub - Sheave	1	25	3234-7	Screw - Hex Flange Hd.	4
6	63-2955	Belt - Traction	1	26	3220-3	Nut - Lock	1
7	62-0920	Sheave Half - Traction	1	27	78-2920	Joint- Ball	1
8	68-7510	Guide - Belt	1	28	3296-6	Nut - Lock	1
†11		Engine - Tecumseh Model OHS120-222023/24F	1	29	63-2930	Chain - Drive	1
†12	42-657	Screw / Washer, Model 38591	1	30	66-8030	Transmission Assembly	1
†13	127-21	Guard-Muffler, Model 38591	1	31	63-2990	Frame - Transmission	1
14	66-6840	Decal - Hot, Model 38590	1	32	3290-461	Washer - Belleville	4
*	93-1265	Decal - Hot, Model 38591	1	33	11-0590	Screw - Hex Hd.	4
15	94-2572	Decal - Primer	1	34	3253-4	Washer - Lock	2
16	63-2450	Decal - Throttle	1	35	3210-1	Screw - Hex Hd.	2
17	63-2410	Decal - Choke Model 38591	1	36	94-2782	Cap - Wire, Model 38590	1
*	63-2400	Decal - Choke, Model 38590	1	37	3256-41	Washer	1
†18	42-671	Screw/Washer, Model 38591	5	*	2210-250	Screw, Wire Harness Hook-Up	1

*Not Illustrated

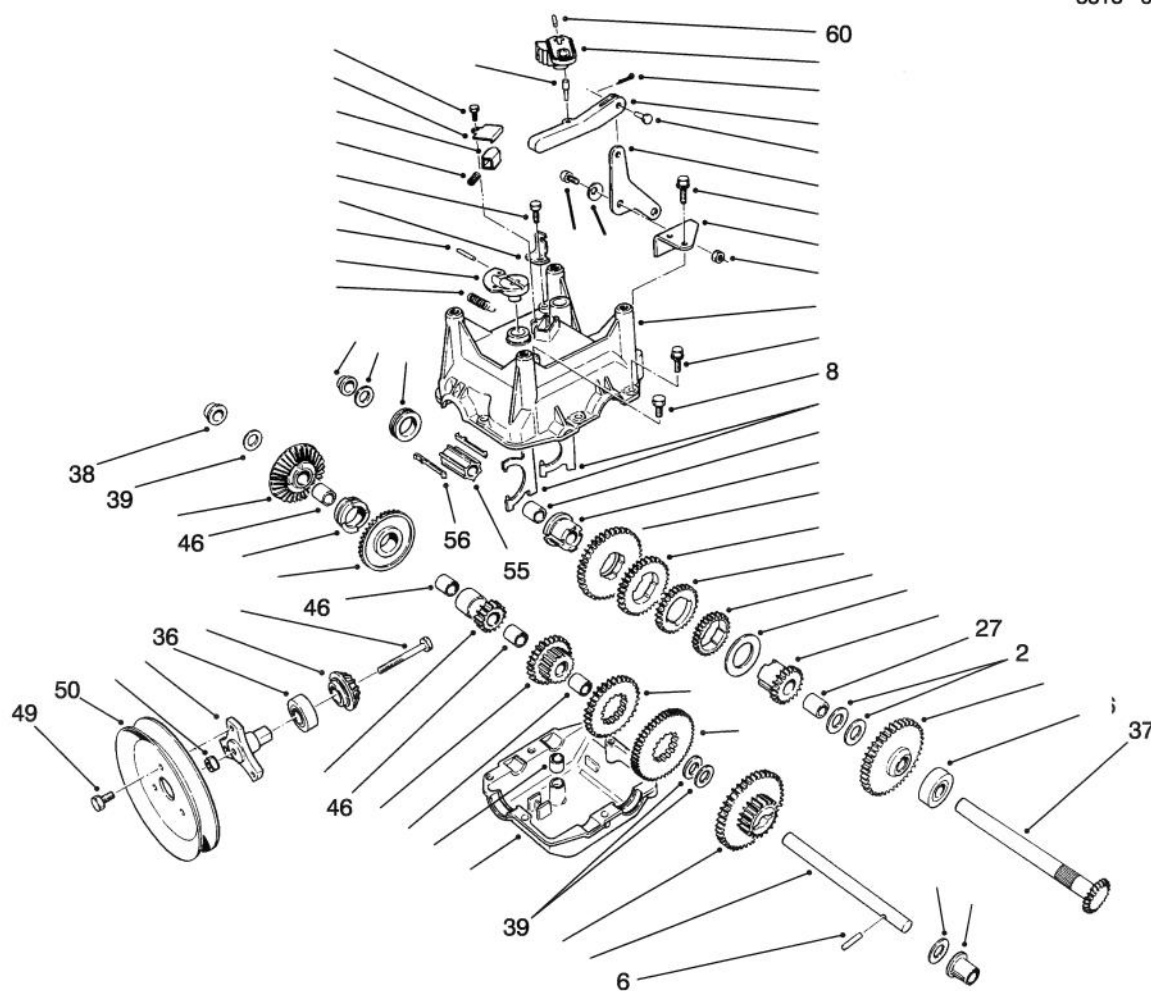
† Obtain Form Tecumseh



C-0052

TRANSMISSION ASSEMBLY NO. 66-8030

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	62-1180	Bushing - Output (Flange)	1	18	62-0860	Link - Gearshift	1
2	252-59	Washer - Thrust	3	19	283-3	Pin - Clevis	1
3	62-0430	Collar - Shift (Speed)	1	20	63-2600	Bellcrank	1
4	63-2920	Spring - Extension (F/R Return)	1	21	32104-95	Screw - Hex Washer Hd.	2
5	62-0880	Lever - Direction Shift	1	22	62-1190	Bracket - Bellcrank	1
6	32121-106	Pin - Coil	1	23	3296-42	Nut - Lock	1
7	62-1740	Bracket - Cable	1	24	62-0490	Gear Case - Upper	1
8	32144-4	Screw - Self Tapping	2	25	32144-86	Screw - Hex Washer Hd.	6
9	63-2890	Spring - Compression (Detent)	1	26	62-1040	Yoke-Shift	2
10	62-1020	Button - Detent	1	27	62-1350	Bushing - Output	2
11	62-1690	Cover - Detent	1	28	62-0320	Sleeve	1
12	32104-71	Screw - Pan Hd.	1	29	62-0240	Gear - 45T	1
13	63-3410	Bolt - Shoulder	1	30	62-0220	Gear - 34T	1
14	3290-477	Washer - Curved	1	31	62-0200	Gear - 27T	1
15	63-2190	Pin - Gearshift Link	1	32	62-0250	Gear - 29T	1
16	62-0870	Lever - Gear Shift	1	33	63-2280	Washer - Thrust	1
17	3272-1	Pin - Cotter	1	34	62-0340	Sleeve - Gear 19T	1
				35	62-0370	Gear - 41T	1
				36	38-7820	Bearing - Ball	2



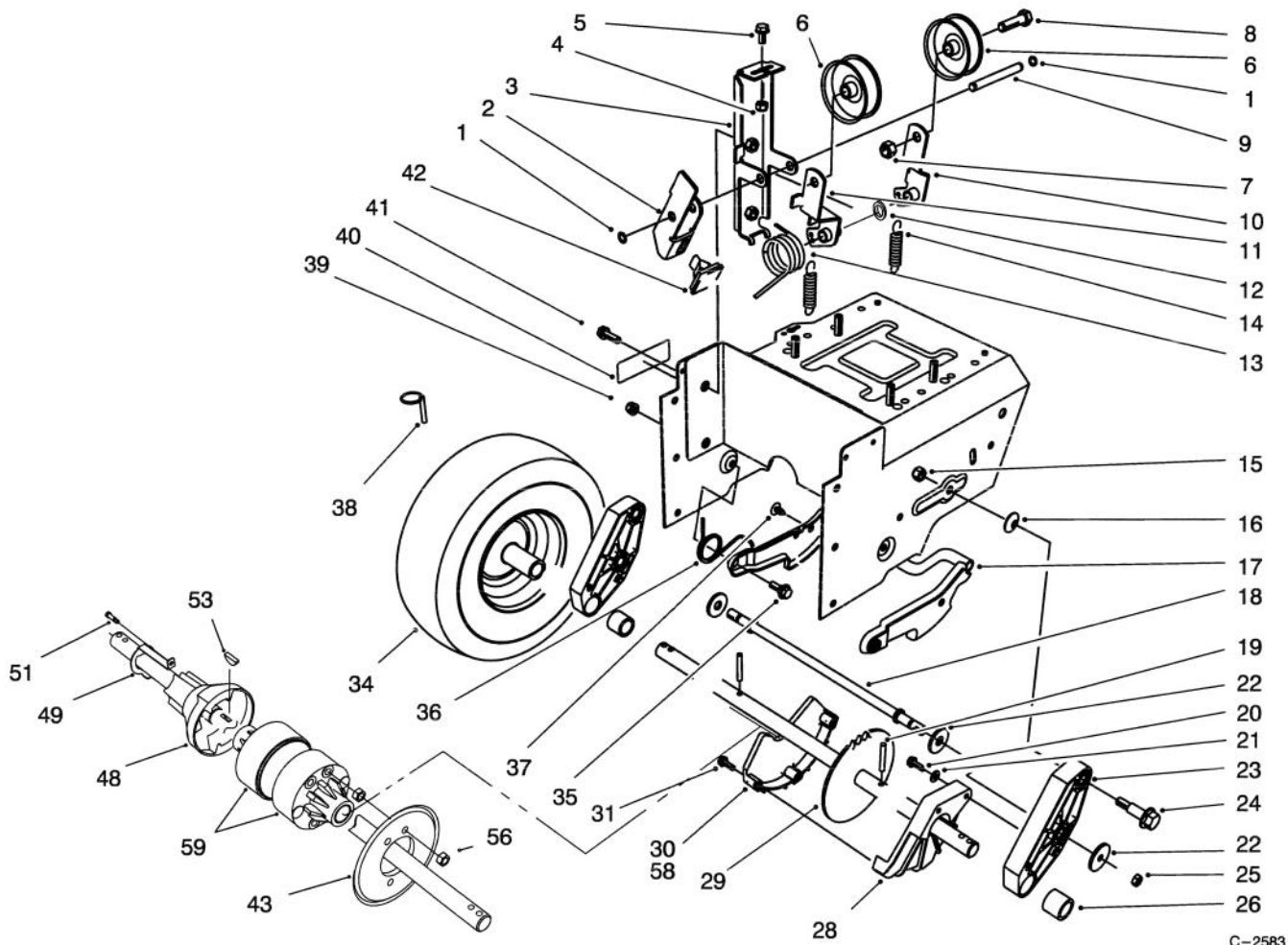
C-0052

TRANSMISSION ASSEMBLY NO. 66-8030 (Continued)

Ref. No.	Part No.	Description	No. Used
37	62-1080	Shaft - Output	1
38	62-1170	Bushing - Flange	2
39	257-10	Washer - Thrust	4
40	62-0330	Shaft - Intermediate	1
41	62-0360	Gear - Compound 19T/41T	1
42	62-0260	Gear - 51T	1
43	62-0210	Gear - 33T	1
44	62-0480	Gear Case - Lower	1
45	29-9570	Bushing - Yoke	1
46	62-1160	Bushing - Intermediate	4
47	68-4310	Gear - 26T	1
48	62-0500	Gear - 15T	1
49	12-3270	Screw	3

Ref. No.	Part No.	Description	No. Used
50	62-1310	Pulley - Traction	1
51	32128-32	Nut - Flange Lock	1
52	62-0380	Hub - Pulley	1
53	62-0350	Pinion - Bevel 19T	1
54	321-15	Screw - Cap Hex Hd.	1
55	68-4320	Sleeve - Shift	1
56	62-0310	Key - Shift	2
57	67-5870	Gear - Bevel 36T	1
58	67-5880	Collar - Shift	1
59	13-3559	Gear - Bevel Reverse 36T (Incl. Ref. #46)	1
60	32121-120	Pin - Coil	2
*	505-101	Grease - 14.5 oz. Cartridge	1

*Not Illustrated

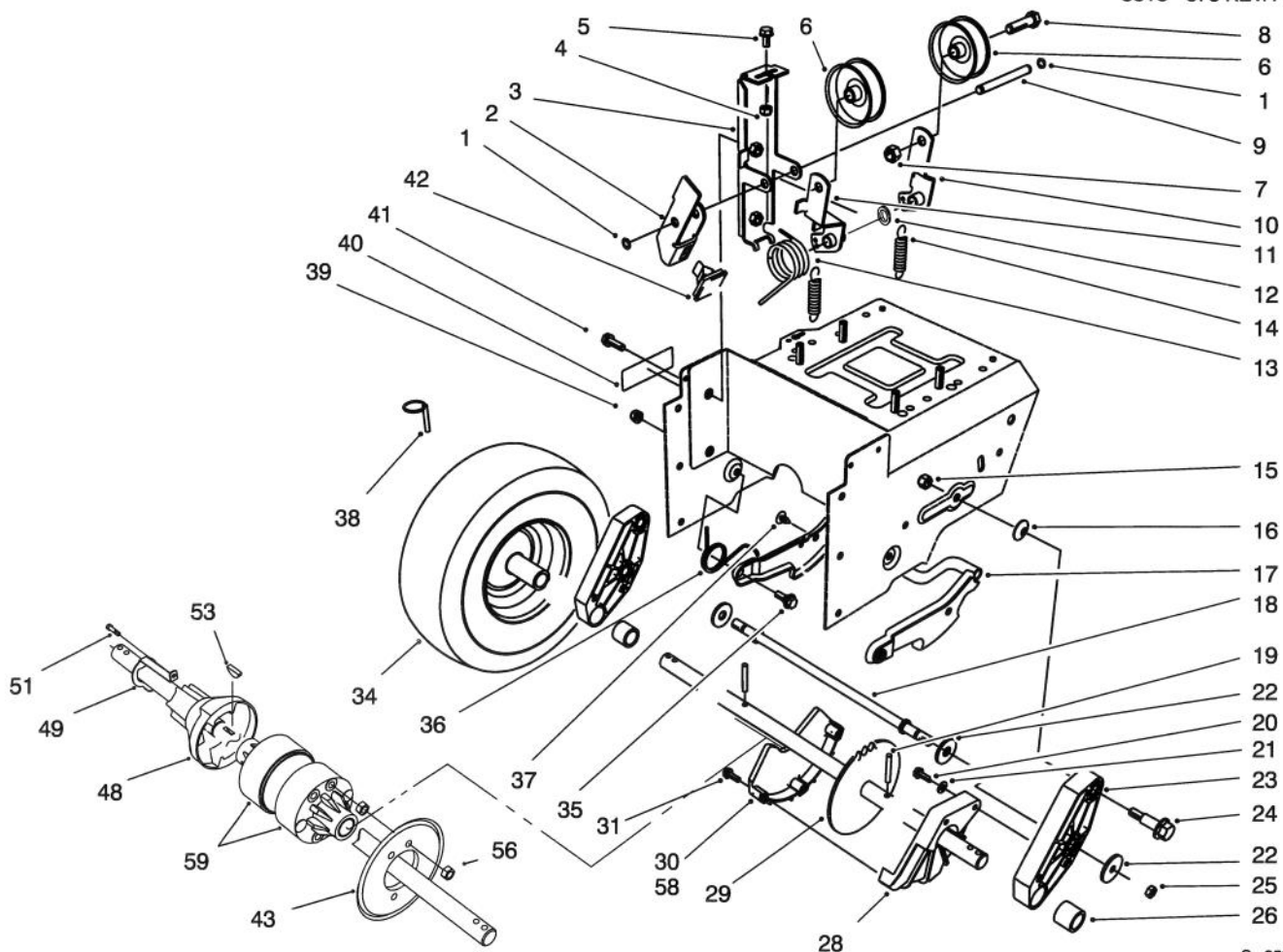


C-2583

TRACTION DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32120-46	Ring - Retaining	2
2	63-2820	Arm - Brake	1
3	63-2850	Bracket - Idler Arm	1
4	3296-42	Nut - Lock	1
5	3234-13	Screw - Hex. Hd.	1
6	3-4244	Pulley - Idler	2
7	3296-59	Nut - Lock	2
8	323-7	Screw - Hex Hd.	2
9	62-0970	Pin - Idler	1
10	93-8045	Arm - Traction Idler	1
11	93-8046	Arm - Impeller Idler	1
12	3256-38	Washer - Flat	1
13	63-2881	Spring - Torsion	1
14	63-2870	Spring - Extension	2
15	3296-39	Nut - Lock	2
16	3290-461	Washer - Belleville	2
17	62-0470	Latch - Arm	1
18	66-7720	Rod - Latch	1
19	32121-9	Pin - Roll	2

Ref. No.	Part No.	Description	No. Used
20	32144-4	Screw - Hex Flange Hd.	2
21	3256-1	Washer - Flat	2
22	63-3340	Washer	4
23	66-7740	Pivot Arm Assembly (Incl. Ref. # 26)	2
24	62-1330	Bolt - Shoulder	2
25	3296-23	Nut - Lock	2
26	63-2250	Bushing - Axle	2
28	62-1010	Guard - Chain L.H.	1
29	63-2112	Axle Assembly (Model 38591 Only)	1
30	62-1000	Guard - Chain R.H. (Model 38591 Only)	1
31	32104-121	Screw - Hex Flange Hd.	3
34	67-9230	Tire & Wheel Assembly	2
35	5-2490	Bolt - Shoulder	2
36	63-2740	Spring - Torsion	1
37	3290-476	Fastener - Panel	1
38	3290-243	Pin - Klik	2



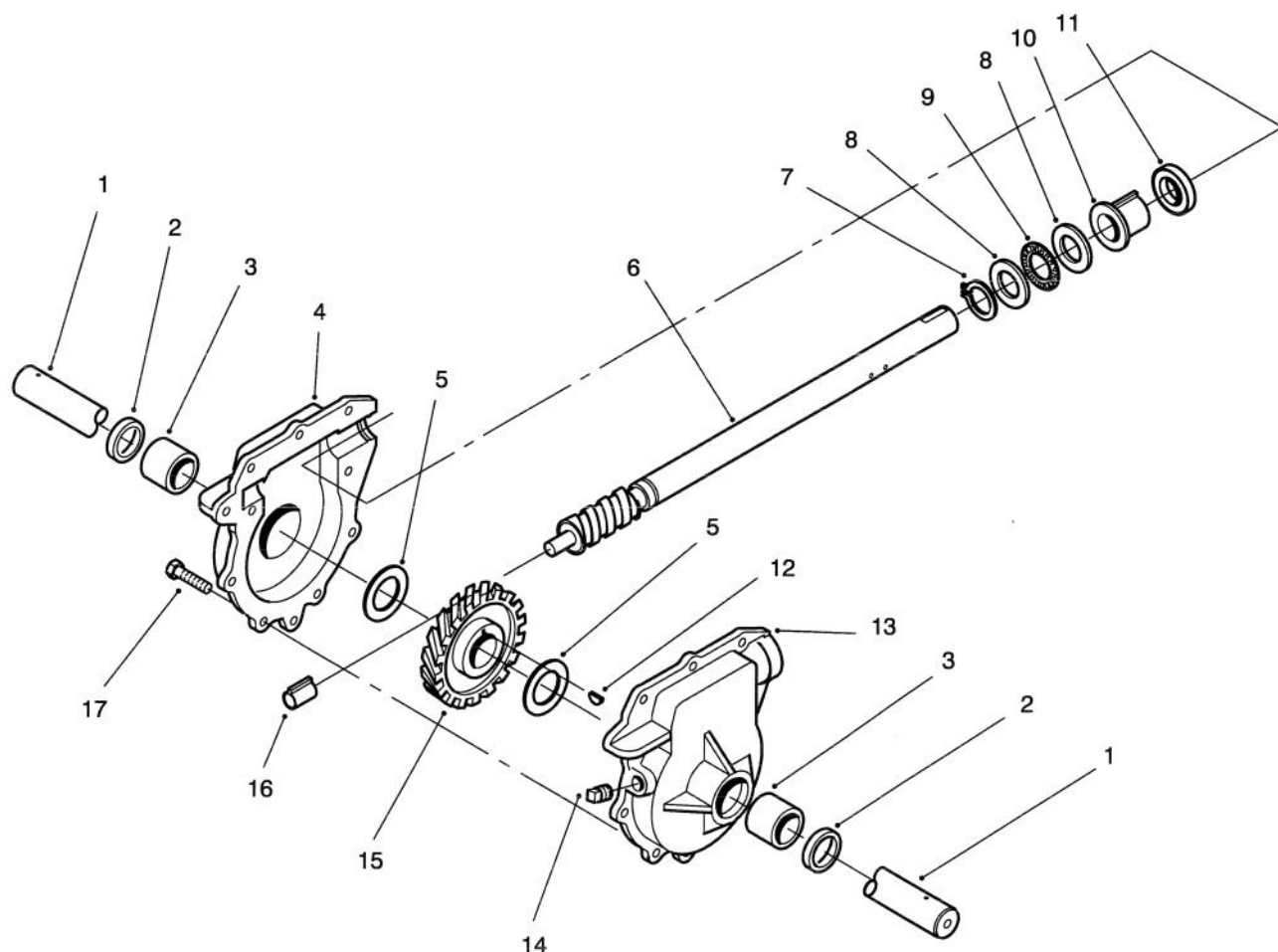
C-2583

TRACTION DRIVE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
39	3296-47	Nut - Lock	2
40	66-6860	Decal - Warning (Model No. 38590 Only)	1
*	94-2575	Decal - Warning (Model No. 38591 Only)	1
41	3234-7	Screw - Hex Flange Hd.	2
42	66-8060	Pad - Brake	1
43	68-9270	Sprocket (32T) (Model 38590 Only)	1
44	68-9200	Housing - L.H. (Model 38590 Only)	1
48	68-9250	Coupling - Differential (Model 38590 Only)	1

Ref. No.	Part No.	Description	No. Used
49	68-9260	Spring - Lockout (Model 38590 Only)	1
51	32144-73	Screw - Hex. Washer Hd. (Model 38590 Only).	1
53	3257-41	Key - Woodruff (Model 38590 Only)	2
56	3296-47	Nut (Model 38590 Only)	6
58	68-9310	Guard - Chain R.H. (Model 38590 Only)	1
59	68-9200	Differential Asm (Incl. Ref. #44-57) (Model 38590 Only)	1

*Not Illustrated



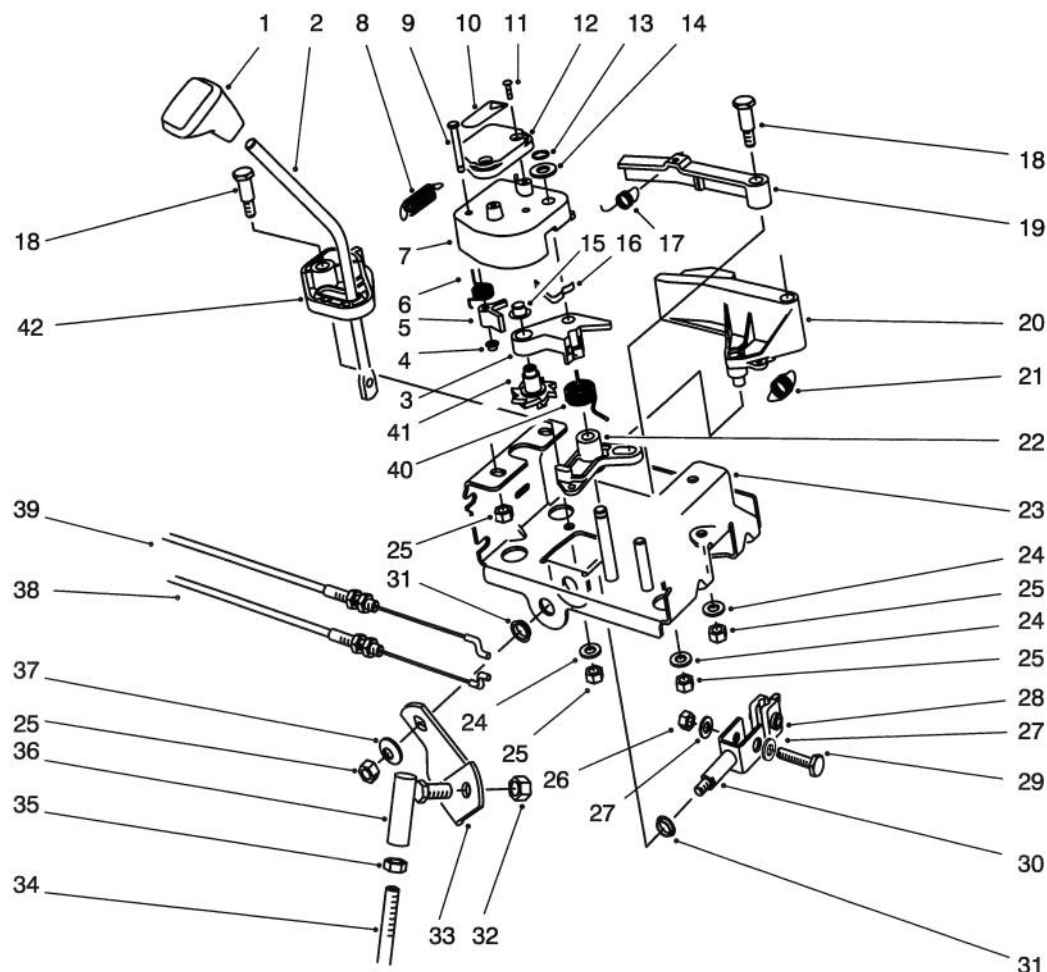
C-1015

32" AUGER GEARCASE ASSEMBLY NO. 74-1562

Ref. No.	Part No.	Description	No. Used
1	62-1532	Shaft - Auger (32")	1
2	7-0045	Seal - Oil	2
3	256-237	Bushing - Sleeve	2
4	74-1550	Gearcase Assembly - R.H. (Incl. Ref. # 2-3)	1
5	252-71	Bearing - Thrust	2
6	66-7811	Shaft - Impeller	1
7	32151-33	Ring - Snap	1
8	252-78	Washer - Thrust	2
9	252-76	Bearing - Thrust	1

Ref. No.	Part No.	Description	No. Used
10	37-6560	Bushing - Input	1
11	253-149	Seal - Input	1
12	3257-10	Key - Woodruff	1
13	74-1540	Gearcase Assembly - L.H. (Incl. Ref. # 2-3)	1
14	281-1	Plug - Pipe Sq. Hd.	1
15	62-0120	Gear - Helical	1
16	62-1150	Bushing - Worm	1
17	32144-110	Screw - Hex Washer Hd.	9
*	505-129	Sealant - 100g Tube	1

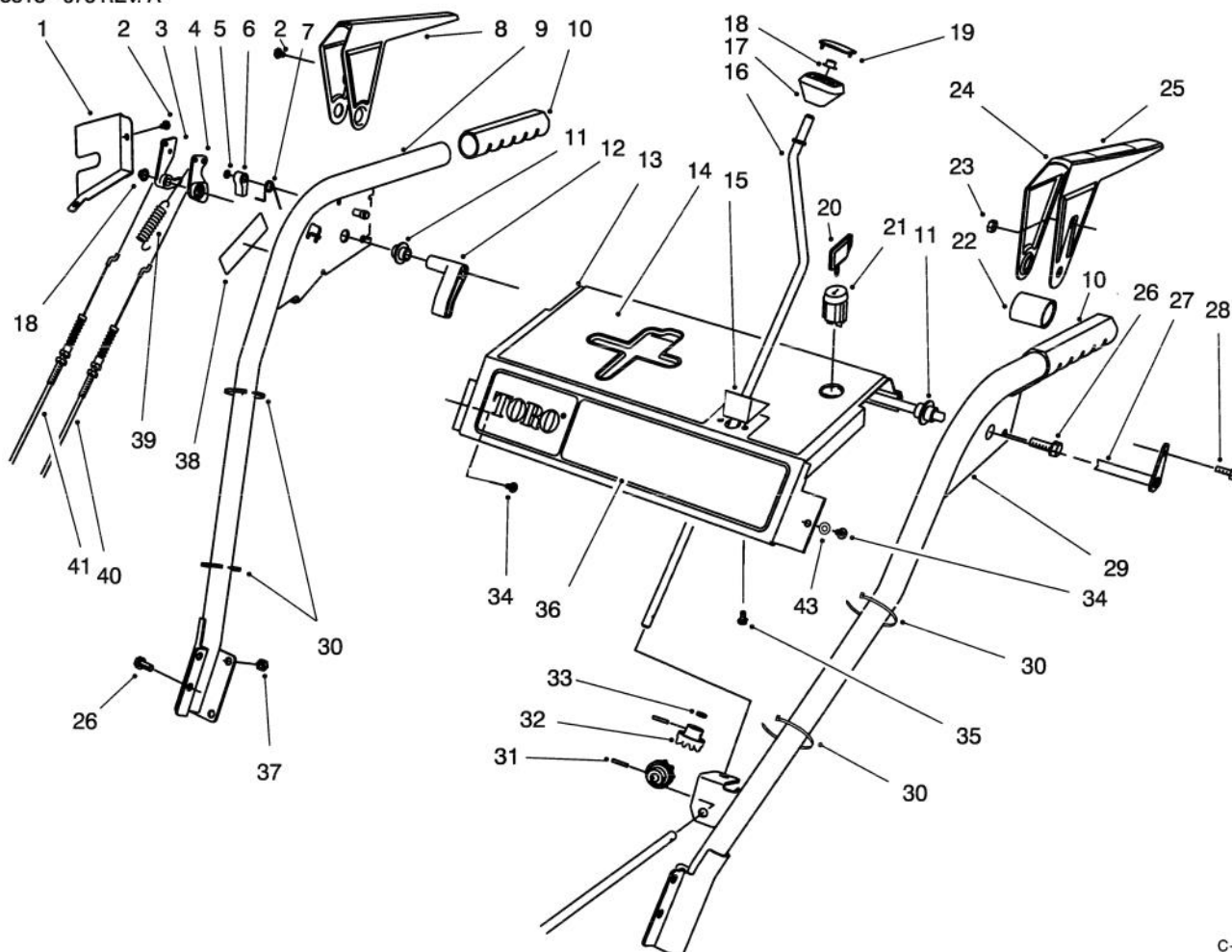
*Not Illustrated



C-0054

TRACTION LINKAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	62-1290	Knob - Shift	1	22	62-1120	Lever - Reverse	1
2	67-9240	Rod - Shift (Upper)	1	23	63-2150	Frame - Control	1
3	62-1110	Lever - Index Wheel	1	24	3256-23	Washer - Flat	3
4	3290-422	Nut - Push	1	25	3296-29	Nut - Lock	7
5	62-0180	Tang - Index	1	26	3296-42	Nut - Lock	1
6	62-1650	Spring - Torsion	1	27	3256-1	Washer - Flat	2
7	62-1100	Lever - Latch	1	28	67-9250	Retainer - Shift Rod	1
8	63-2220	Spring - Extension	1	29	321-9	Screw - Cap Hex. Hd.	1
9	63-2610	Pin - Tang	1	30	66-7730	Clevis	1
10	63-2480	Decal - #2	1	31	256-296	Bushing - Nyliner	2
11	94-6961	Screw - Pan Hd.	2	32	3296-6	Nut - Lock	1
12	62-1140	Cover - Latch	1	33	63-2630	Bracket - Shift	1
13	32120-46	Ring - Retaining	1	34	63-2830	Rod - Shift (Lower)	1
14	257-9	Washer - Thrust	1	35	3220-3	Nut - Jam	1
15	3290-320	Nut - Push	1	36	78-2920	Joint - Ball	1
16	62-1710	Spring - Flat	1	37	3290-456	Washer - Belleville	1
17	63-2240	Spring - Extension	1	38	63-2210	Cable - Gearbox	1
18	63-2650	Screw - Shoulder	2	39	63-2200	Cable - Latch	1
19	62-1700	Lever - Lockout	1	40	63-2270	Spring - Torsion	1
20	62-1130	Lever - Reverse	1	41	62-0170	Wheel - Index	1
21	63-2230	Spring - Extension	1	42	62-1470	Base - Lockout	1



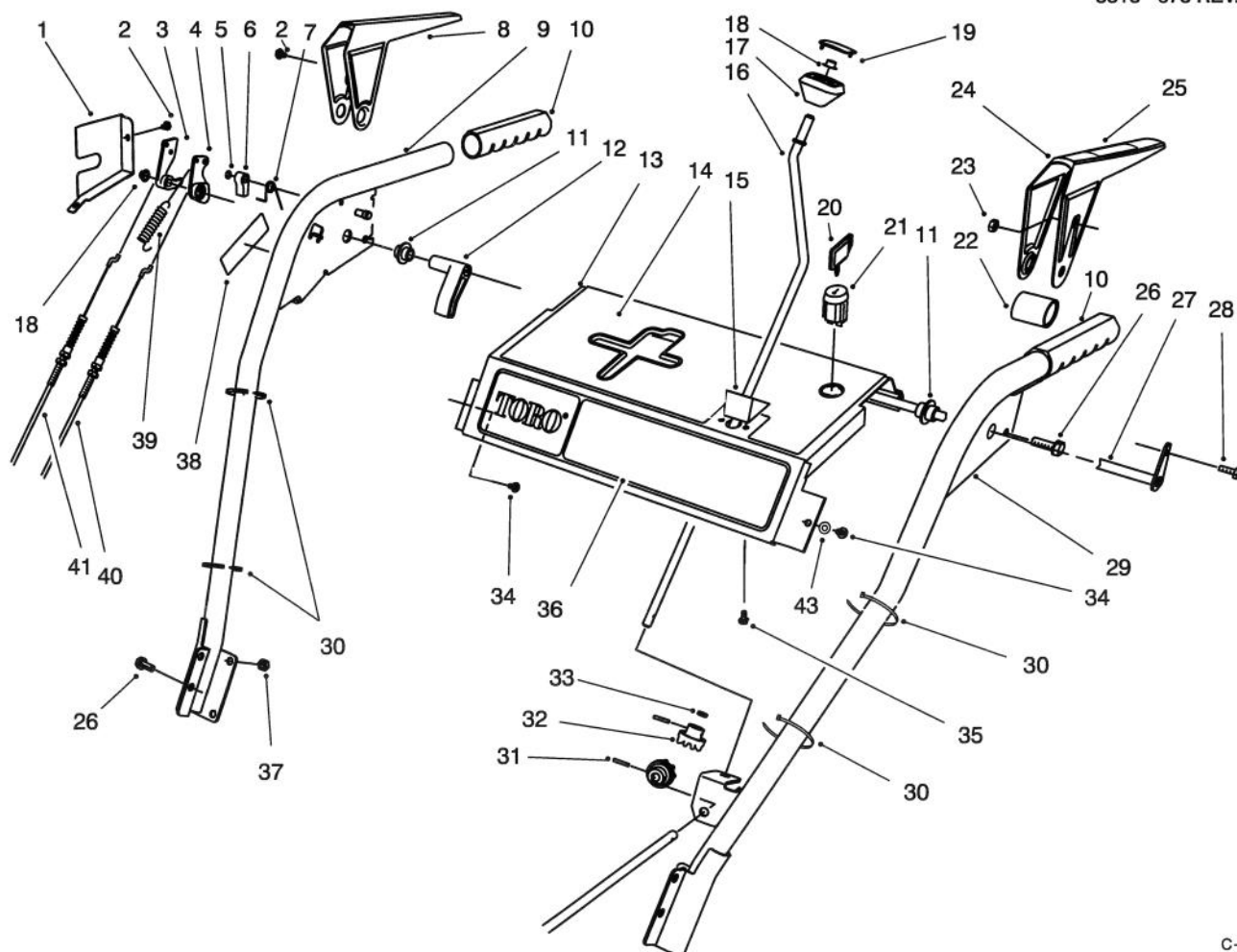
C-2582

HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-2170	Cover - Lever Lock	1
2	2210-250	Screw	3
3	62-0300	Tang - Locking	1
4	62-0290	Cam - Release	1
5	32151-66	Ring - Retaining	1
6	62-0280	Latch - Lock	1
7	63-2910	Spring - Torsion	1
8	62-1050	Lever - Impeller	1
9	62-1381	Handle - R.H.	1
10	66-7850	Handlegrip	2
11	62-1070	Bushing - Lever	2
12	62-1640	Lever - Trip	1
13	66-8100	Panel - Control	1
14	66-6850	Decal - Panel Top (Model 38590 Only)	1
*	94-2578	Decal - Panel Top (Model 38591 Only)	1
15	62-1490	Plate - Guide	1
16	63-2160	Rod - Chute Crank	1
17	62-1320	Knob - Chute Control	1

Ref. No.	Part No.	Description	No. Used
18	3290-320	Nut - Push	2
19	62-1520	Cover - Knob	1
20	63-8360	Key - Switch	1
21	40-5940	Switch - On/Off	1
22	63-3380	Spacer - Traction Lever	1
23	3296-2	Nut - Lock	1
24	62-1060	Lever - Traction	1
25	63-3050	Decal - Lever (Model 38590 Only)	1
26	3234-7	Screw - Hex Flange Hd.	6
27	63-2030	Rod - Cross	1
28	3290-359	Screw	1
29	66-8091	Handle - L.H.	1
30	3290-378	Tie - Cable	4
31	32121-50	Pin - Roll	2
32	62-1460	Gear - Universal	2
33	62-1230	Washer - Rubber	1
34	32104-76	Screw - Self Tapping	2
35	94-6961	Screw - Pan Hd.	2
36	93-8029	Decal - Panel Front	1

*Not Illustrated

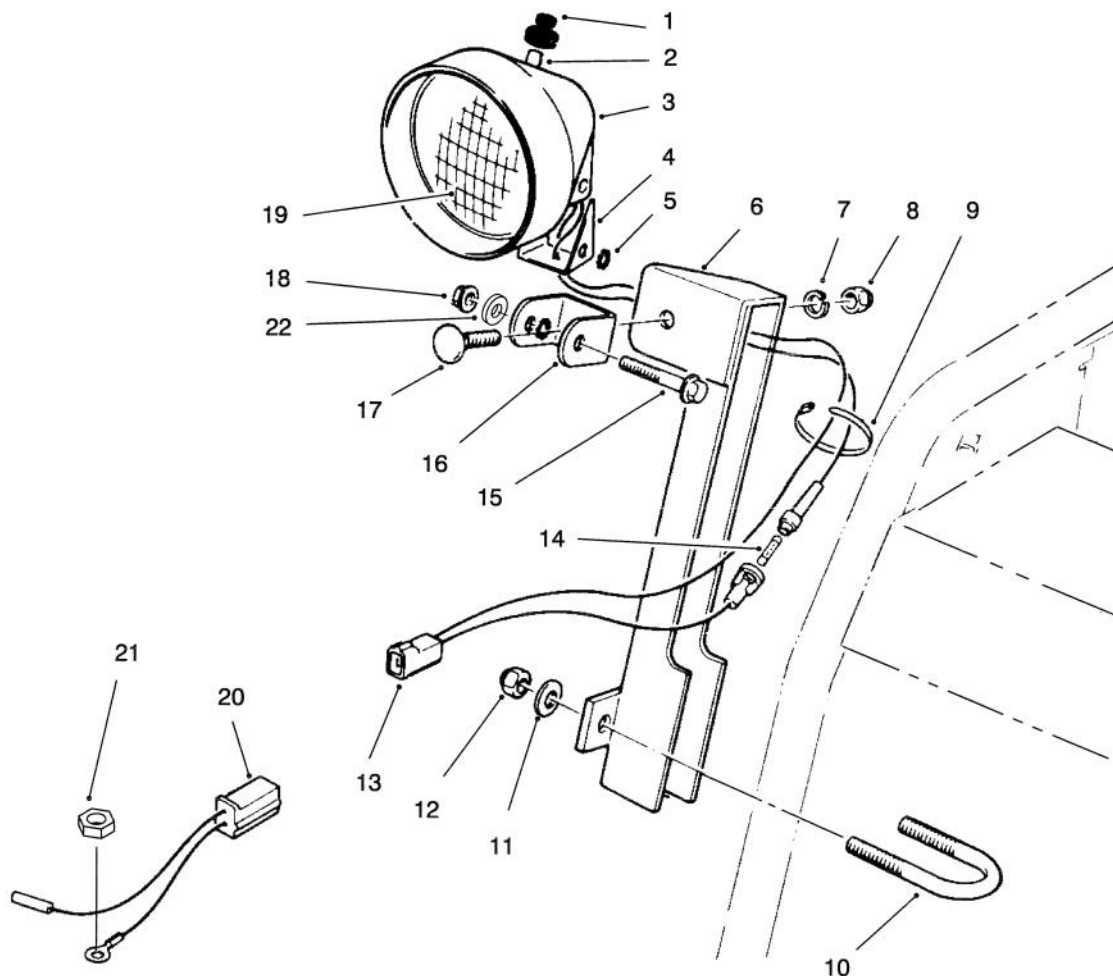


C-2582

HANDLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
37	3296-47	Nut - Lock	4	*	54-9810	Assembly - Wire	1
38	66-6860	Decal - Warning (Model 38590 Only)	1	*	66-6900	Assembly - Wire, Adapter (Model 38591 only)	1
*	94-2575	Decal - Warning (Model 38591 Only)	1	*	63-3420	Harness - Wire	1
39	88-0810	Spring - Extension	1	*	17-4279	Loose Parts Kit (Model 38590 Only)	1
40	63-2710	Cable - Traction	1	*	17-4289	Loose Parts kit (Model 38591 Only)	1
41	63-2700	Cable - Impeller	1				
43	3256-14	Washer - Flat	2				

*Not Illustrated



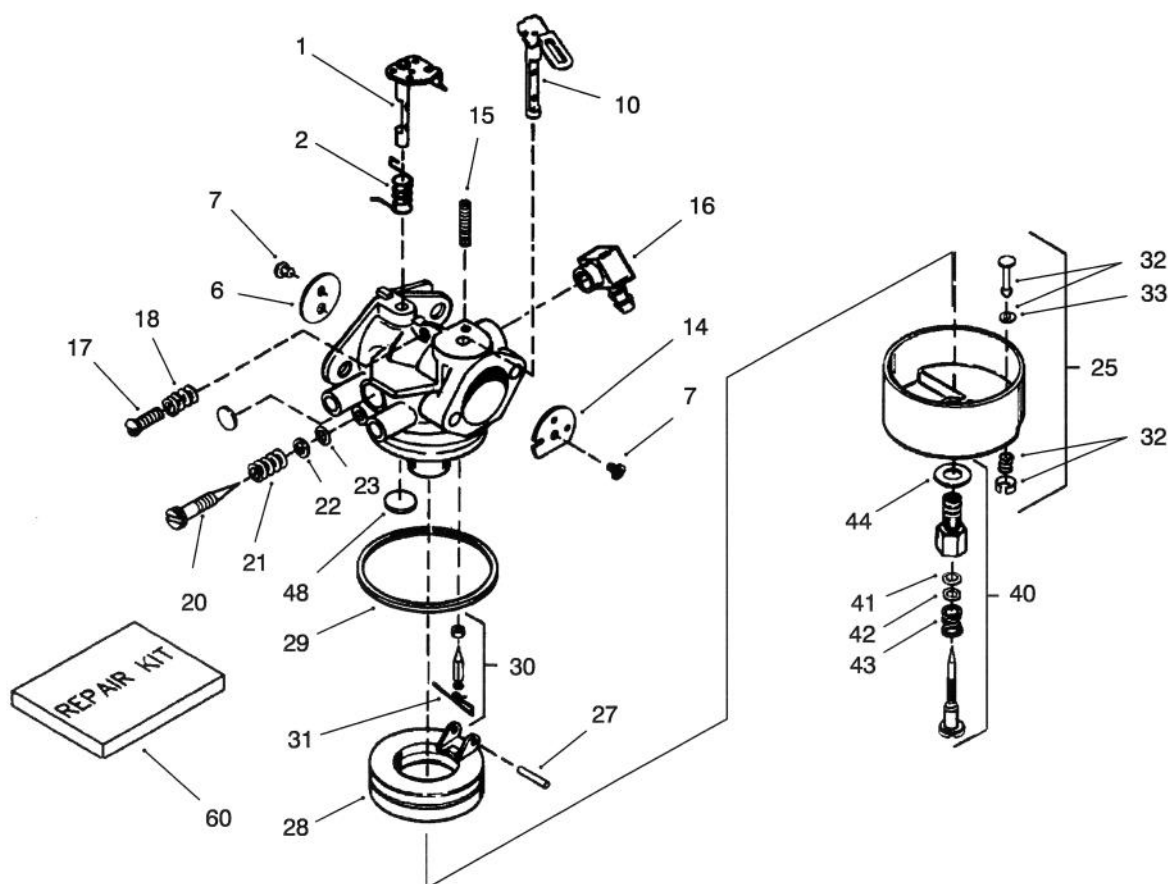
C-0071

LIGHT ASSEMBLY NO. 66-7941

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	218-473	Boot - Switch	1	†14		Fuse - 7-1/2 Amp.	1
2	218-553	Switch Assembly	1	15	322-13	Screw - Hex. Flange Hd.	1
3	218-552	Bucket - Headlamp	1	16	218-556	Bracket - U	1
4	218-554	Bracket	1	17	3231-2	Bolt - Carriage	1
5	3255-8	Washer - Lock	2	18	32128-35	Nut - Flange Lock	1
6	68-7110	Mount - Lamp (Model 38591 Only)	1	19	218-16	Bulb - Sealed Beam	1
7	3253-21	Washer - Lock	1	20	54-9810	Wire Assembly	1
8	3217-7	Nut - Hex.	1	21	3217-6	Nut - Hex (Model 38591 Only)	1
9	3290-378	Tie - Cable	2	22	3256-26	Washer - Flat (Model 38591 Only)	1
10	68-7140	Bolt - U (Model 38591 Only)	1	*	66-6900	Wire Assembly - Adaptor (Model 38591 Only)	1
11	3256-23	Washer - Flat	2	*	54-9871	Headlamp Assembly (Incl. Ref. #1-5, 7-8 & 13-19)	1
12	3296-29	Nut - Lock	2				
13		Wire Assembly	1				

*Not Illustrated

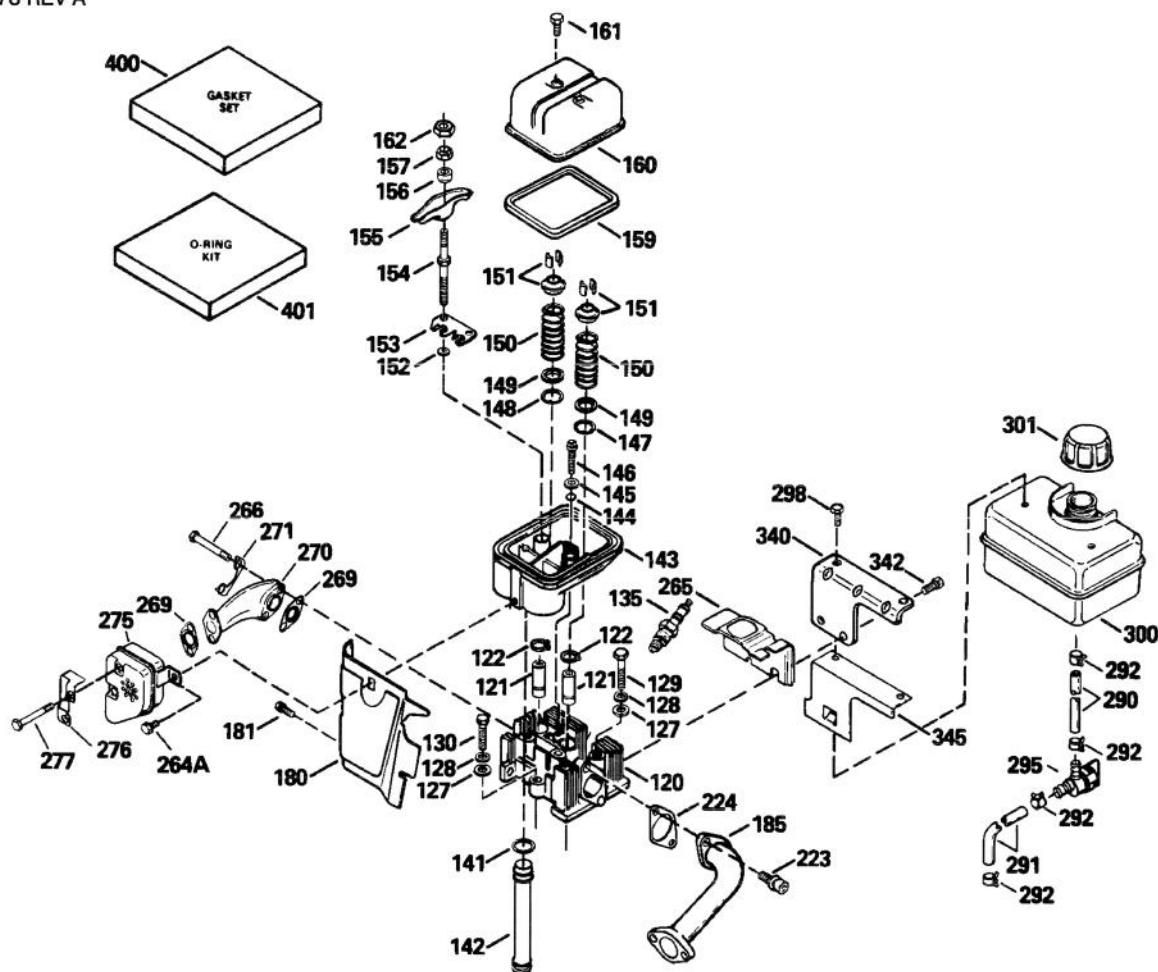
†Obtain Locally



CARBURETOR NO. 632536

Ref. No.	Part No.	Description	No. Used
1	632512	Throttle Shaft & Lever Asm.	1
2	631970	Throttle Return Spring	1
6	632517	Throttle Shutter	1
7	650506	Shutter Screw	4
10	632513	Choke Shaft & Lever Asm.	1
14	632514	Choke Shutter	1
15	630735	Choke Positioning Spring	1
16	631775	Fuel Fitting	1
17	650417	Idle Speed Screw	1
18	630766	Tension Spring	1
20	632281	Idle Mixture Screw	1
21	630766	Tension Spring	1
22	630739	Idle Mixture Screw Washer	1
23	630740	Idle Mixture Screw O-Ring	1
25	632594	Float Bowl Asm.	1

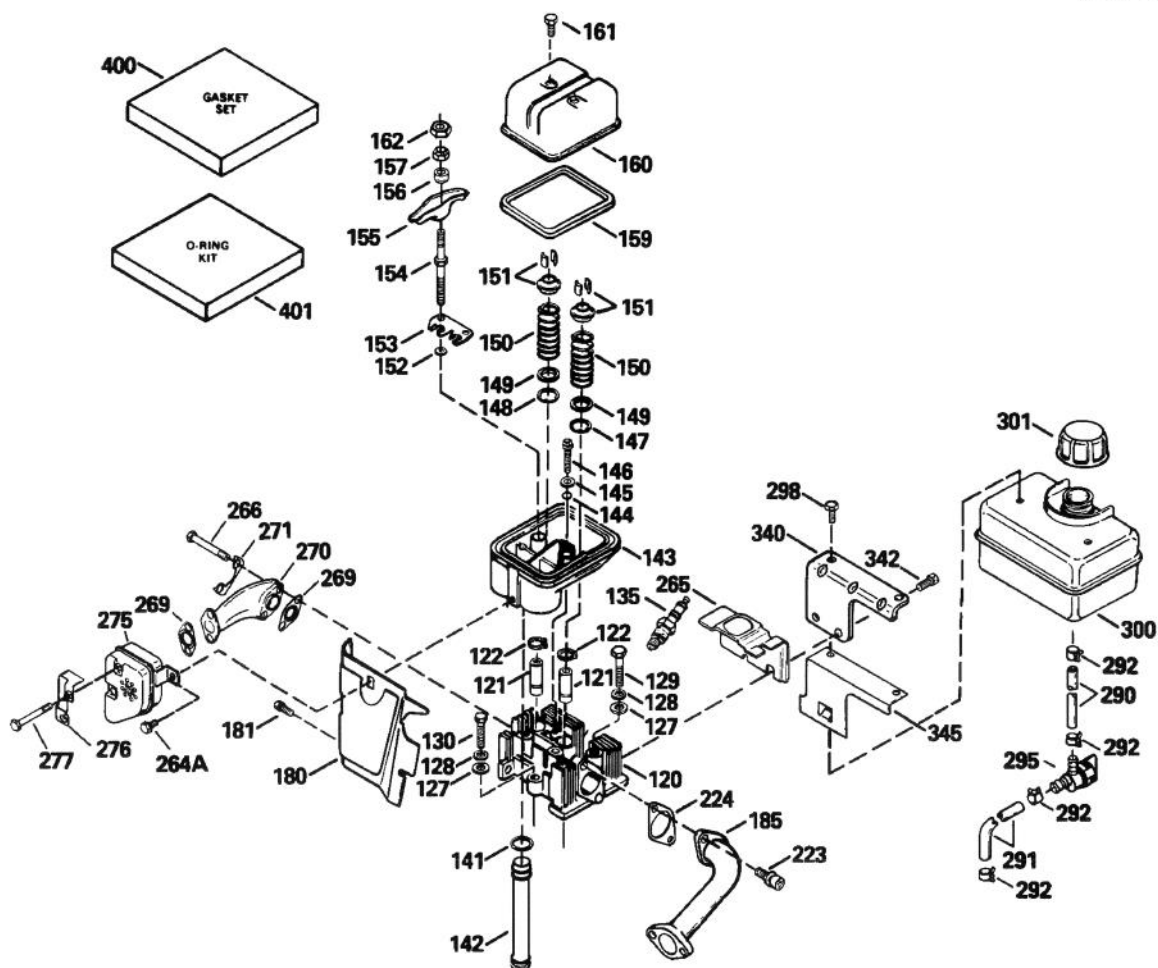
Ref. No.	Part No.	Description	No. Used
27	631024	Float Shaft	1
28	632019	Float	1
29	631028	Float Bowl O-Ring	1
30	631021	Inlet Needle, Seat, Clip	1
31	631022	Spring Clip	1
32	27136A	Bowl Drain Asm.	1
33	27554	Drain Plunger Gasket	1
40	632239	Mian Adj. Screw Asm.	1
41	630740	High Spd. Mix. Scw. O-Ring	1
42	630739	Washer	1
43	630738	Tension Spring	1
44	27110	Bowl Nut Washer	1
47	630748	Welch Plug, Idle Mixture Well	1
48	631027	Welch Plug, Vent	1
60	632347	Repair Kit	1



ENGINE ASSEMBLIES

OHSK 120-222023F AND OHSK 120-222024F

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
120	35307	Cylinder Head	1	157	28264	Lock Nut (Incl. Ref.# 162) (Also Incl. in 401)	2
121	730218	Valve Guide Kit (Incl. Ref.# 2 of 122)	2	159	35299B	O-Ring (Incl. 2 of 161) (Also Incl. in 401)	1
122	792035	Retaining Ring	2	160	35300	Rocker Arm Housing	1
127	650691	Washer	6	161	650879	Screw - Torx	2
128	650690	Belleville Washer	6	162	650903	Jam Nut	2
129	650746	Screw	4	180	35301	Blower Housing Extension	1
130	650692	Screw	4	181	650128	Screw	1
135	34046	Resistor Spark Plug (RL86C)	1	185	35690	Intake Pipe	1
141	33481	O-Ring (Also Incl. in 401)	4	223	650971	Screw - Torx	2
142	35475	Push Rod Tube	2	224	33515A	Intake Pipe Gasket	1
143	35310	Rocker Arm Housing	1	264A	30063	Screw - Torx	1
144	33484	O-Ring (Also Incl. in 401)	1	265	35290	Cylinder Head Cover	1
145	650168	Washer	1	266	650876	Screw	2
146	32610A	Screw	1	269	35762	Exhaust Manifold Gasket	2
147	33509	O-Ring (Also Incl. in 401)	1	270	35292	Exhaust Manifold	1
148	34410	O-Ring (Also Incl. in 401)	1	271	35293	Locking Plate	1
149	33510	Valve Spring Cap	2	275	35294	Muffler	1
150	33507	Valve Spring	2	276	35348	Locking Plate	1
151	33508	Valve Spring Keeper	2	277	650877	Screw	2
152	35295	O-Ring (Also Incl. in 401)	2	290	30962	Fuel Line	1
153	35296	Push Rod Guide	1	291	29774	Fuel Line	1
154	650878	Rocker Arm Stud	2	292	26460	Fuel Line Clamp	4
155	35297	Rocker Arm	2	295	35857	Fuel Shut-Off Valve	1
156	35298	Rocker Arm Bearing	2				



ENGINE ASSEMBLIES

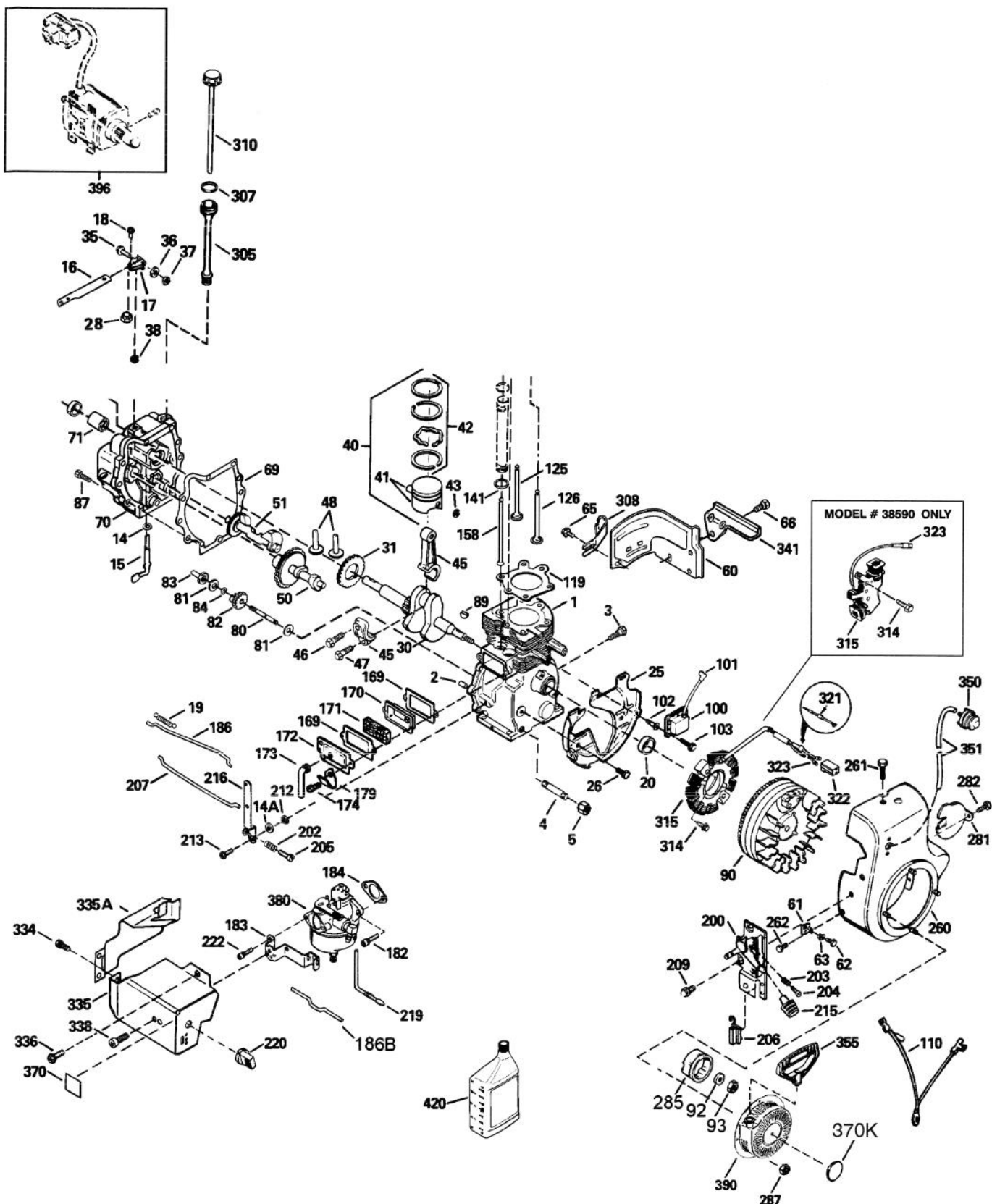
OHSK 120-222023F AND OHSK 120-222024F (Cont.)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
298	650665	Screw	2	342	792028	Screw	2
300	34156A	Fuel Tank (Incl. 292 & 301)	1	345	35699	Heat Baffle	1
301	36246	Fuel Cap	1	400	35331B	Gasket Set	1
340	35696	Fuel Tank Bracket	1	401	35332	O-Ring Kit	1

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ENGINE ASSEMBLIES

OHSK 120-222023F AND OHSK 120-222024F (Cont.)



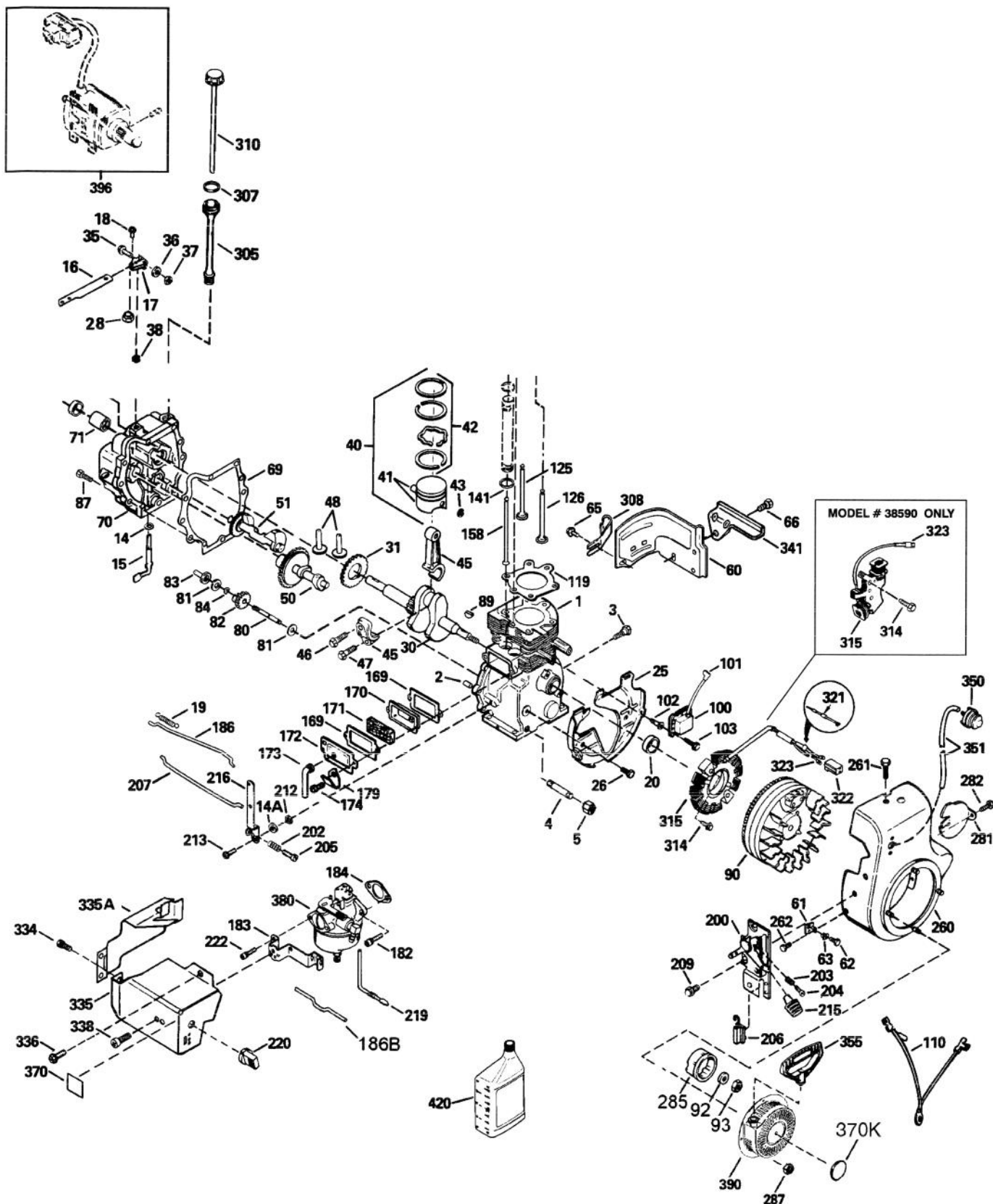
ENGINE ASSEMBLIES

OHSK 120-222023F AND OHSK 120-222024F (Cont.)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	35677A	Cylinder (Incl. Ref.# 2, 20, 72 & 80)	1	86	650833	Screw	7
2	27652	Dowel Pin	2	87	650832	Screw	1
3	650820	Screw	2	89	32589	Flywheel Key	1
5	30969	Extension Cap	1	90	611094	Flywheel (W/Ring Gear)	1
14	28277	Washer	1	90	611093	Flywheel (W/Ring Gear) (Model 38590 Only)	1
14A	28558	Washer	1	92	650880	Lock Washer	1
15	35685	Governor Rod (Incl. Ref.#14 & 38)	1	93	650881	Flywheel Nut	1
16	35686	Governor Lever	1	100	35135	Solid State Ignition	1
17	29916	Governor Lever Clamp	1	101	610118	Spark Plug Cover	1
18	650548	Screw	1	102	650872	Solid State Mounting Stud	2
19	35688	Extension Spring	1	103	651007	Screw - Torx	2
20	35319	Oil Seal	1	110	35253	Ground Wire	1
25	36460	Blower Housing Baffle	1	119	35306A	Cylinder Head Gasket	1
26	650561	Screw	2	125	35308	Exhaust Valve (Std.)	1
28	30322	Lock Nut	1	125	35433	Exhaust Valve (1/32)	1
30	36706	Crankshaft	1	126	35309	Intake Valve (Std.)	1
31	35327	Counterbalance Gear	1	126	35432	Intake Valve (1/32)	1
35	29826	Screw	1	158	35466	Push Rod	2
36	29918	Lock Washer	1	169	27896A	Valve Cover Gasket	2
37	29216	Lock Nut	1	170	28423	Breather Body	1
38	29642	Retaining Ring	3	171	28424	Breather Element	1
40	35776	Piston, Pin & Ring Set (Std.)	1	172	28425	Valve Cover	1
40	35777	Piston, Pin & Ring Set (.010)	1	173	35350	Breather Tube	1
40	35778	Piston, Pin & Ring Set (.020)	1	174	650128	Screw	2
41	35773	Piston & Pin Ass'y (Std.) (Incl. Ref.#43)	1	179	30593	Retaining Clip	1
41	35774	Piston & Pin Ass'y (.010) (Incl. Ref.#43)	1	182	650517	Screw	2
41	35775	Piston & Pin Asm. (.020) (Incl. Ref.# 43)	1	183	34583A	Choke Bracket	1
42	35779	Ring Set (Std.)	1	184	33263	Carb. To Intake Pipe Gasket	1
42	35780	Ring Set (.010)	1	186	35691	Governor Link	1
42	35781	Ring Set (.020)	1	186B	36653	Choke Spring	1
43	35772	Piston Pin Retaining Ring	2	200	35702	Control Bracket (Incl. Ref.#203, 204 & 206)	1
45	35681	Connecting Rod Asm. (Incl. Ref.# 46 & 47)	1	202	36482	Compression Spring	1
46	650908	Connecting Rod Bolt	1	203	31342	Compression Spring	1
47	650882	Connecting Rod Bolt	1	204	650549	Screw	1
48	35313	Valve Lifter	2	205	650777	Screw	1
50	35682A	Camshaft (MCR)	1	206	610973	Terminal	1
51	35315A	Counterbalance Weight	1	207	35692	Throttle Link	1
60	35316A	Blower Housing Extension	1	209	650821	Screw	2
61	34126	Grommet Mounting Bracket	1	212	30773A	Bushing	1
62	650760	Screw	1	213	650930	Screw	1
63	28545	Grommet	1	215	35440	Control Knob	1
65	650128	Screw	1	216	35679	R.P.M. Adjusting Lever	1
66	650561	Screw	1	219	35689	Choke Rod	1
69	35683	Cylinder Cover Gasket	1	220	35438	Choke Knob	1
70	35684A	Cylinder Cover (Incl. Ref.#14,15,38,71,75)	1	222	28820	Screw	2
71	35377	Crankshaft Bushing	1	260	35694	Blower Housing	1
75	35319	Oil Seal	1	261	30063	Screw - Torx	1
80	35751	Governor Shaft	1	262	29747B	Screw - Torx	2
81	35479	Washer	2	281	33013	Starter Bubble Cover	1
82	35321	Governor Gear Asm.	1	282	650760	Screw	1
83	35322	Governor Spool	1	285	35985B	Starter Cup	1
84	29193	Retaining Ring	1	287	29752	Nut & Lock Washer	4
				305	35574	Oil Fill Tube	1
				307	35499	O-Ring	1
				308	35539	Fill Tube Clip	1
				310	35700	Dipstick	1
				314	650873	Screw	2

ENGINE ASSEMBLIES

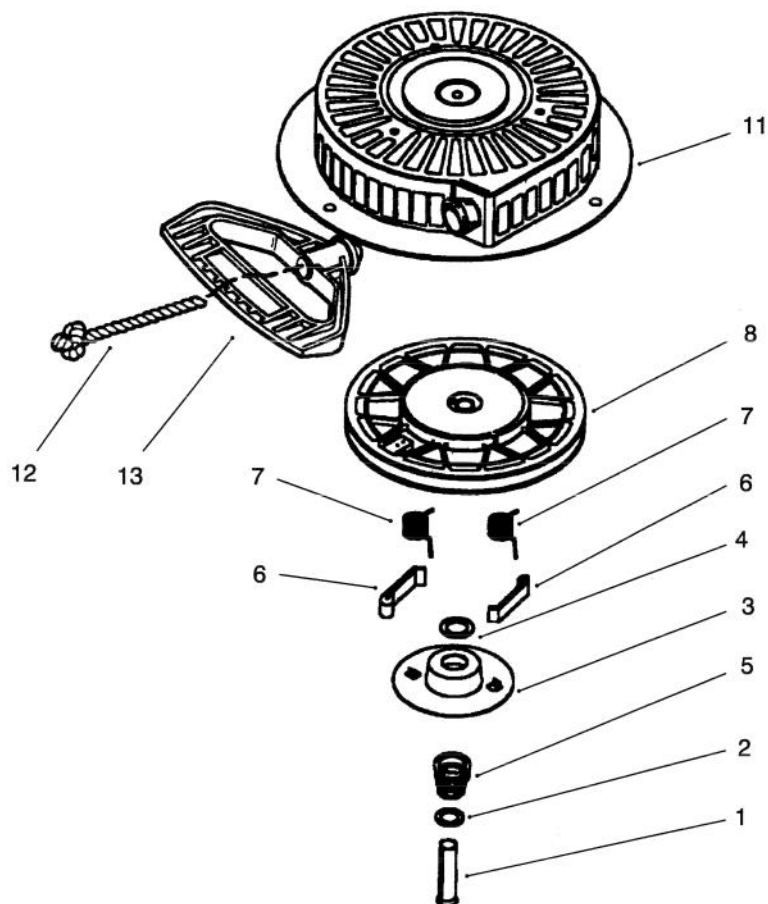
OHSK 120-222023F AND OHSK 120-222024F (Cont.)



ENGINE ASSEMBLIES

OHSK 120-222023F AND OHSK 120-222024F (Cont.)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
315	611104	Alternator Coil (3/5 Split) (Incl. Ref.#321-323) (Model 38591 Only)	1				
315	611111	Alternator Coil (18 Watt - Incl. Ref.#323) (Model 38590 Only))	1				
321	611161	Diode (Model 38591 Only)	1				
322	611142	Connector Body (Model 38591 Only)	1				
323	611118	Terminal	2				
334	650257	Screw	2				
335	35698	Carburetor Cover	1				
335A	35693	Carburetor Cover	1				
336	650765	Screw	1				
338	650821	Screw	2				
341	35697	Fuel Tank Bracket	1				
350	570682	Primer Assembly	1				
351	32180C	Primer Line	1				
355	590574	Starter Handle	1				
370	36261	Instruction Decal	1				
370K	36695	Starter Decal	1				
380	632536	Carburetor (Incl. Ref.# 184)	1				
390	590733	Rewind Starter	1				
396	33329D	Electric Starter Motor (Optional)	1				
420	730226	SAE 5W30 4-Cycle Engine Oil (Quart)	1				



RECOIL STARTER NO. 590733

Ref. No.	Part No.	Description	No. Used
1	590599A	Spring Pin	1
2	590600	Washer	1
3	590696	Retainer	1
4	590601	Washer	1
5	590697	Brake Spring	1
6	590698	Starter Dog	2

Ref. No.	Part No.	Description	No. Used
7	590699	Dog Spring	2
8	590709	Pulley & Rewind Spring	1
11	590734	Starter Housing Asm.	1
12	590535	Starter Rope	1
13	590574	Mitten Grip Handle	1

TORO PART NUMBER INDEX

3318-678 REV. A

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-0750	Washer - Retaining	1 2 2	62-1110	Lever - Index Wheel	9 3 1
3-4244	Pulley - Idler	6 6 2	62-1120	Lever - Reverse	9 22 1
5-2490	Bolt - Shoulder	6 35 2	62-1130	Lever - Reverse	9 20 1
7-0045	Seal - Oil	8 2 2	62-1140	Cover - Latch	9 12 1
11-0590	Screw - Hex Hd.	3 33 4	62-1150	Bushing - Worm	8 16 1
12-3270	Screw	5 49 3	62-1160	Bushing - Intermediate	5 46 4
13-3559	Gear - Bevel Reverse 36T	5 59 1	62-1170	Bushing - Flange	5 38 2
17-4279	Loose Parts Kit	11 * 1	62-1180	Bushing - Output (Flange)	4 1 1
17-4289	Loose Parts kit	11 * 1	62-1190	Bracket - Bellcrank	4 22 1
20-0980	Bearing - Auger	2 57 2	62-1230	Washer - Rubber	10 33 1
20-0990	Flange - Bearing (Inner)	2 56 2	62-1290	Knob - Shift	9 1 1
20-1000	Flange - Bearing (Outer)	2 58 2	62-1300	Pulley - Impeller	1 24 1
25-5090	Spacer - Auger Hub	2 55 2	62-1310	Pulley - Traction	5 50 1
26-6110	Flange - Bearing (Front)	2 40 1	62-1320	Knob - Chute Control	10 17 1
26-6120	Flange - Bearing (Rear)	2 38 1	62-1330	Bolt - Shoulder	6 24 2
29-9570	Bushing - Yoke	5 45 1	62-1350	Bushing - Output	4 27 2
32-251-1	Washer - Flat,	3 20	62-1381	Handle - R.H.	10 9 1
36-180	Washer - Lock, Model	3 19	62-1430	Retainer - Chute	1 11 3
37-6560	Bushing - Input	8 10 1	62-1440	Cover - Engine Frame	2 32 1
38-7820	Bearing - Ball	4 36 2	62-1460	Gear - Universal	10 32 2
40-5940	Switch - On/Off	10 21 1	62-1470	Base - Lockout	9 42 1
42-657	Screw / Washer, Model	3 12	62-1490	Plate - Guide	10 15 1
42-671	Screw/Washer, Model	3 18	62-1520	Cover - Knob	10 19 1
52-2861	Washer	2 43 4	62-1532	Shaft - Auger (32)	8 1 1
53-7670	Decal - Warning Auger	1 5 1	62-1640	Lever - Trip	10 12 1
54-9810	Assembly - Wire	11 * 1	62-1650	Spring - Torsion	9 6 1
54-9810	Wire Assembly	12 20 1	62-1690	Cover - Detent	4 11 1
54-9871	Headlamp Assembly	12 * 1	62-1700	Lever - Lockout	9 19 1
62-0120	Gear - Helical	8 15 1	62-1710	Spring - Flat	9 16 1
62-0170	Wheel - Index	9 41 1	62-1720	Rod - Chute Gear	1 23 1
62-0180	Tang - Index	9 5 1	62-1740	Bracket - Cable	4 7 1
62-0200	Gear - 27T	4 31 1	63-2030	Rod - Cross	10 27 1
62-0210	Gear - 33T	5 43 1	63-2080	Cover - Belt (Upper)	2 28 1
62-0220	Gear - 34T	4 30 1	63-2112	Axle Assembly	6 29 1
62-0240	Gear - 45T	4 29 1	63-2150	Frame - Control	9 23 1
62-0250	Gear - 29T	4 32 1	63-2160	Rod - Chute Crank	10 16 1
62-0260	Gear - 51T	5 42 1	63-2170	Cover - Lever Lock	10 1 1
62-0280	Latch - Lock	10 6 1	63-2180	Bracket - Gear	1 7 1
62-0290	Cam - Release	10 4 1	63-2190	Pin - Gearshift Link	4 15 1
62-0300	Tang - Locking	10 3 1	63-2200	Cable - Latch	9 39 1
62-0310	Key - Shift	5 56 2	63-2210	Cable - Gearbox	9 38 1
62-0320	Sleeve	4 28 1	63-2220	Spring - Extension	9 8 1
62-0330	Shaft - Intermediate	5 40 1	63-2230	Spring - Extension	9 21 1
62-0340	Sleeve - Gear 19T	4 34 1	63-2240	Spring - Extension	9 17 1
62-0350	Pinion - Bevel 19T	5 53 1	63-2250	Bushing - Axle	6 26 2
62-0360	Gear - Compound 19T/41T	5 41 1	63-2270	Spring - Torsion	9 40 1
62-0370	Gear - 41T	4 35 1	63-2280	Washer - Thrust	4 33 1
62-0380	Hub - Pulley	5 52 1	63-2300	Retainer - Cable	1 26 1
62-0430	Collar - Shift (Speed)	4 3 1	63-2400	Decal - Choke, Model 38590	3 * 1
62-0470	Latch - Arm	6 17 1	63-2410	Decal - Choke Model 38591	3 17 1
62-0480	Gear Case - Lower	5 44 1	63-2450	Decal - Throttle	3 16 1
62-0490	Gear Case - Upper	4 24 1	63-2480	Decal - #2	9 10 1
62-0500	Gear - 15T	5 48 1	63-2600	Bellcrank	4 20 1
62-0722	Housing - 32	1 6 1	63-2610	Pin - Tang	9 9 1
62-0820	Gear - Worm	1 22 1	63-2630	Bracket - Shift	9 33 1
62-0840	Chute Assembly	1 19 1	63-2650	Screw - Shoulder	9 18 2
62-0860	Link - Gearshift	4 18 1	63-2670	Plate - Chute Retainer	1 10 3
62-0870	Lever - Gear Shift	4 16 1	63-2700	Cable - Impeller	11 41 1
62-0880	Lever - Direction Shift	4 5 1	63-2710	Cable - Traction	11 40 1
62-0920	Sheave Half - Traction	3 7 1	63-2740	Spring - Torsion	6 36 1
62-0930	Hub - Sheave	3 5 1	63-2820	Arm - Brake	6 2 1
62-0940	Sheave Half - Impeller	3 3 1	63-2830	Rod - Shift (Lower)	9 34 1
62-0970	Pin - Idler	6 9 1	63-2850	Bracket - Idler Arm	6 3 1
62-1000	Guard - Chain R.H.	6 30 1	63-2870	Spring - Extension	6 14 2
62-1010	Guard - Chain L.H.	6 28 1	63-2881	Spring - Torsion	6 13 1
62-1020	Button - Detent	4 10 1	63-2890	Spring - Compression	4 9 1
62-1040	Yoke-Shift	4 26 2	63-2900	Washer - Plastic	1 17 2
62-1050	Lever - Impeller	10 8 1	63-2910	Spring - Torsion	10 7 1
62-1060	Lever - Traction	10 24 1	63-2920	Spring - Extension	4 4 1
62-1070	Bushing - Lever	10 11 2	63-2930	Chain - Drive	3 29 1
62-1080	Shaft - Output	5 37 1	63-2955	Belt - Traction	3 6 1
62-1100	Lever - Latch	9 7 1	63-2967	Belt - Impeller	3 4 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
63-2990	Frame - Transmission	3 31 1	94-6961	Screw - Pan Hd.	9 11 2
63-3020	Guard - Chute	1 14 1	94-6961	Screw - Pan Hd.	10 35 2
63-3050	Decal - Lever	10 25 1	94-8079	Decal - Danger Chute	1 20 1
63-3130	Clip - Chute Guard	1 12 1	127-21	Guard - Muffler, Model	3 13
63-3290	Cover - Cable	2 29 10	127-24	Guard - Muffler,	3 21
63-3340	Washer	6 22 4	218-16	Bulb - Sealed Beam	12 19 1
63-3380	Spacer - Traction Lever	10 22 1	218-473	Boot - Switch	12 1 1
63-3410	Bolt - Shoulder	4 13 1	218-552	Bucket - Headlamp	12 3 1
63-3420	Harness - Wire	11 * 1	218-553	Switch Assembly	12 2 1
63-3450	Bearing - Impeller	2 39 1	218-554	Bracket	12 4 1
63-8360	Key - Switch	10 20 1	218-556	Bracket - U	12 16 1
66-4100	Plate - R.H.	2 * 1	2210-250	Screw	10 2 3
66-4110	Plate - L.H.	2 34 1	2210-250	Screw, Wire Harness Hook-Up	3 * 1
66-6840	Decal - Hot, Model 38590	3 14 1	252-59	Washer - Thrust	4 2 3
66-6850	Decal - Panel Top	10 14 1	252-71	Bearing - Thrust	8 5 2
66-6860	Decal - Warning	11 38 1	252-76	Bearing - Thrust	8 9 1
66-6860	Decal - Warning	7 40 1	252-78	Washer - Thrust	8 8 2
66-6900	Assembly - Wire, Adapter	11 * 1	252-80	Washer - Thrust	2 36 1
66-6900	Wire Assembly - Adaptor	12 * 1	253-149	Seal - Input	8 11 1
66-6980	Frame - Engine	2 31 1	256-237	Bushing - Sleeve	8 3 2
66-7720	Rod - Latch	6 18 1	256-296	Bushing - Nylon	9 31 2
66-7730	Clevis	9 30 1	257-9	Washer - Thrust	9 14 1
66-7740	Pivot Arm Assembly	6 23 2	257-10	Washer - Thrust	5 39 4
66-7760	Blade - Scraper	2 45 1	269-23	Rivet	2 30 4
66-7811	Shaft - Impeller	8 6 1	281-1	Plug - Pipe Sq. Hd.	8 14 1
66-7821	Plate - Side R.H.	1 3 1	283-3	Pin - Clevis	4 19 1
66-7831	Plate - Side L.H.	2 46 1	321-3	Screw - Hex Hd.	2 60 8
66-7850	Handlegrip	10 10 2	321-9	Screw - Cap Hex. Hd.	9 29 1
66-7920	Impeller	2 50 1	321-15	Screw - Cap Hex Hd.	5 54 1
66-8010	Spacer	2 51 2	321-44	Screw - Hex. Hd.	2 52 2
66-8030	Transmission Assembly	3 30 1	322-12	Bolt - Auger	2 59 2
66-8060	Pad - Brake	7 42 1	322-13	Screw - Hex. Flange Hd.	12 15 1
66-8091	Handle - L.H.	10 29 1	323-6	Screw - Hex Hd.	1 1 2
66-8100	Panel - Control	10 13 1	323-7	Screw - Hex Hd.	6 8 2
67-5870	Gear - Bevel 36T	5 57 1	3210-1	Screw - Hex Hd.	3 35 2
67-5880	Collar - Shift	5 58 1	3212-8	Screw - Hex. Hd.	3 1 1
67-9230	Tire & Wheel Assembly	6 34 2	3217-6	Nut - Hex	12 21 1
67-9240	Rod - Shift (Upper)	9 2 1	3217-7	Nut - Hex.	12 8 1
67-9250	Retainer - Shift Rod	9 28 1	3220-3	Nut - Jam	9 35 1
68-4310	Gear - 26T	5 47 1	3220-3	Nut - Lock	3 26 1
68-4320	Sleeve - Shift	5 55 1	3230-2	Bolt - Carriage	1 8 1
68-7110	Mount - Lamp	12 6 1	3230-23	Screw - Carriage	2 48 11
68-7140	Bolt - U	12 10 1	3231-2	Bolt - Carriage	12 17 1
68-7452	Auger - R.H.	2 54 1	3234-5	Screw - Hex Washer Hd.	2 62 4
68-7462	Auger - L.H.	2 * 1	3234-7	Screw	2 33 6
68-7510	Guide - Belt	3 8 1	3234-7	Screw - Hex Flange Hd.	3 25 4
68-8410	Cover - Belt (Lower)	2 41 1	3234-7	Screw - Hex Flange Hd.	10 26 6
68-9200	Differential Asm	7 59 1	3234-7	Screw - Hex Flange Hd.	7 41 2
68-9200	Housing - L.H.	7 44 1	3234-13	Screw - Hex. Hd.	6 5 1
68-9250	Coupling - Differential	7 48 1	3234-28	Screw - Hex Flange Hd.	1 4 12
68-9260	Spring - Lockout	7 49 1	3242-4	Screw - Set Sq. Hd.	1 25 2
68-9270	Sprocket (32T)	7 43 1	3253-4	Washer - Lock	3 34 2
68-9310	Guard - Chain R.H.	7 58 1	3253-6	Washer - Lock	3 2 1
68-9390	Decal - Differential	2 61 1	3253-21	Washer - Lock	12 7 1
74-1440	Skid Assembly	2 44 2	3255-8	Washer - Lock	12 5 2
74-1540	Gearcase Assembly - L.H.	8 13 1	3256-1	Washer - Flat	6 21 2
74-1550	Gearcase Assembly - R.H.	8 4 1	3256-1	Washer - Flat	9 27 2
74-1562	Auger Gearbox Assembly	2 53 1	3256-14	Washer - Flat	1 16 1
78-2920	Joint - Ball	9 36 1	3256-14	Washer - Flat	11 43 2
78-2920	Joint - Ball	3 27 1	3256-23	Washer - Flat	12 11 2
88-0810	Spring - Extension	11 39 1	3256-23	Washer - Flat	9 24 3
93-1265	Decal - Hot, Model 38591	3 * 1	3256-23	Washer - Flat	2 42 1
93-8029	Decal - Panel Front	10 36 1	3256-26	Washer - Flat	12 22 1
93-8045	Arm - Traction Idler	6 10 1	3256-38	Washer - Flat	6 12 1
93-8046	Arm - Impeller Idler	6 11 1	3256-41	Washer	3 37 1
94-2559	Decal - Danger Chute	1 * 1	3256-61	Washer - Flat	1 21 1
94-2568	Decal - Warning Auger	1 * 1	3257-10	Key - Woodruff	8 12 1
94-2572	Decal - Primer	3 15 1	3257-23	Key - Woodruff	2 35 1
94-2575	Decal - Warning	11 * 1	3257-41	Key - Woodruff	7 53 2
94-2575	Decal - Warning	7 * 1	3272-1	Pin - Cotter	4 17 1
94-2578	Decal - Panel Top	10 * 1	3274-13	Screw - Machine	1 13 3
94-2782	Cap - Wire, Model 38590	3 36 1	3290-243	Pin - Klik	6 38 2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3290-320	Nut - Push	9 15 1	32104-121	Screw - Hex Flange Hd.	6 31 3
3290-320	Nut - Push	10 18 2	32120-46	Ring - Retaining	6 1 2
3290-326	Nut - Push	1 15 2	32120-46	Ring - Retaining	9 13 1
3290-359	Screw	10 28 1	32121-9	Pin - Roll	6 19 2
3290-378	Tie - Cable	12 9 2	32121-50	Pin - Roll	10 31 2
3290-378	Tie - Cable	10 30 4	32121-106	Pin - Coil	4 6 1
3290-422	Nut - Push	9 4 1	32121-120	Pin - Coil	5 60 2
3290-456	Washer - Belleville	9 37 1	32122-32	Screw	1 18 1
3290-461	Washer - Belleville	6 16 2	32128-20	Nut - Lock	3 24 4
3290-461	Washer - Belleville	3 32 4	32128-32	Nut - Flange Lock	5 51 1
3290-476	Fastener - Panel	6 37 1	32128-35	Nut - Flange Lock	12 18 1
3290-477	Washer - Curved	4 14 1	32144-4	Screw - Hex Flange Hd.	1 27 6
3296-2	Nut - Lock	1 9 4	32144-4	Screw - Hex Flange Hd.	6 20 2
3296-2	Nut - Lock	10 23 1	32144-4	Screw - Self Tapping	4 8 2
3296-6	Nut - Lock	3 28 1	32144-73	Screw - Hex. Washer Hd.	7 51 1
3296-6	Nut - Lock	9 32 1	32144-86	Screw - Hex Washer Hd.	4 25 6
3296-23	Nut - Lock	6 25 2	32144-110	Screw - Hex Washer Hd.	8 17 9
3296-29	Nut - Lock	12 12 2	32151-33	Ring - Snap	8 7 1
3296-29	Nut - Lock	9 25 7	32151-66	Ring - Retaining	10 5 1
3296-29	Nut - Lock	2 37 16	505-101	Grease - 14.5 oz. Cartridge	5 * 1
3296-39	Nut - Lock	6 15 2	505-129	Sealant - 100g Tube	8 * 1
3296-42	Nut - Lock	6 4 1			
3296-42	Nut - Lock	4 23 1			
3296-42	Nut - Lock	9 26 1			
3296-42	Nut - Lock	2 49 10			
3296-47	Nut	7 56 6			
3296-47	Nut - Lock	11 37 4			
3296-47	Nut - Lock	7 39 2			
3296-47	Nut - Lock	2 47 12			
3296-59	Nut - Lock	6 7 2			
32104-71	Screw - Pan Hd.	4 12 1			
32104-76	Screw - Self Tapping	10 34 2			
32104-95	Screw - Hex Washer Hd.	4 21 2			

OPTIONAL EQUIPMENT

110 Vac Electric Starter Kit	Part No. 37-4810
Drift Breaker	Part No. 66-7980
Light Kit (Standard On Model 38591)	Part No. 66-7941
Snow Cab Kit	Part No. 68-9500
Weight Kit (Required W/Snow Cab)	Part No. 74-1190
Tire Chain Kit (Do Not Use W/68-9300)	Part No. 63-3040
12V Ele. Starter Kit (Model 38591 Only)	Part No. 93-8040
Differential Kit (Model 38591 Only)	Part No. 68-9300

COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

MAINTENANCE RECORD

[illegible]