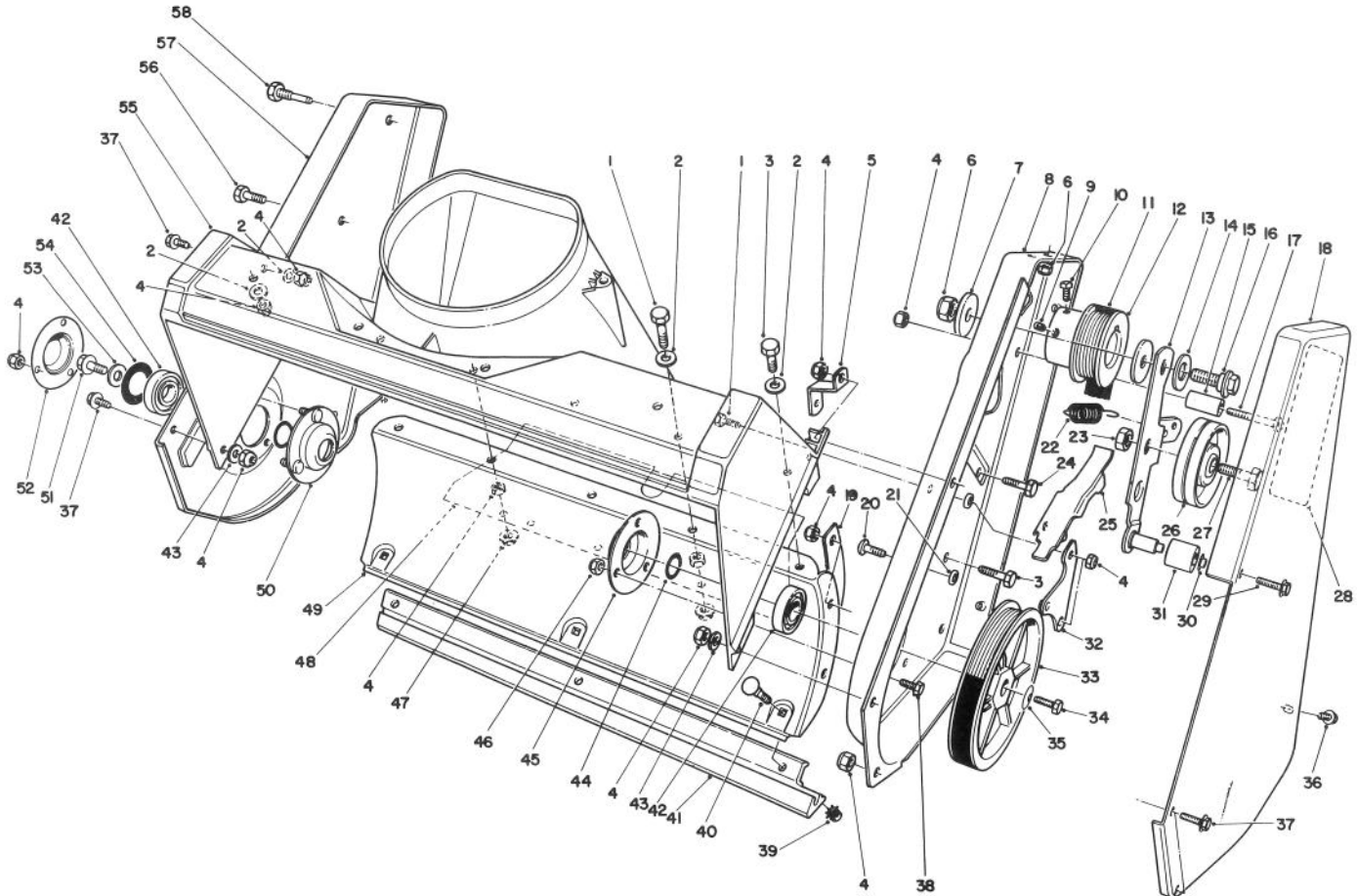


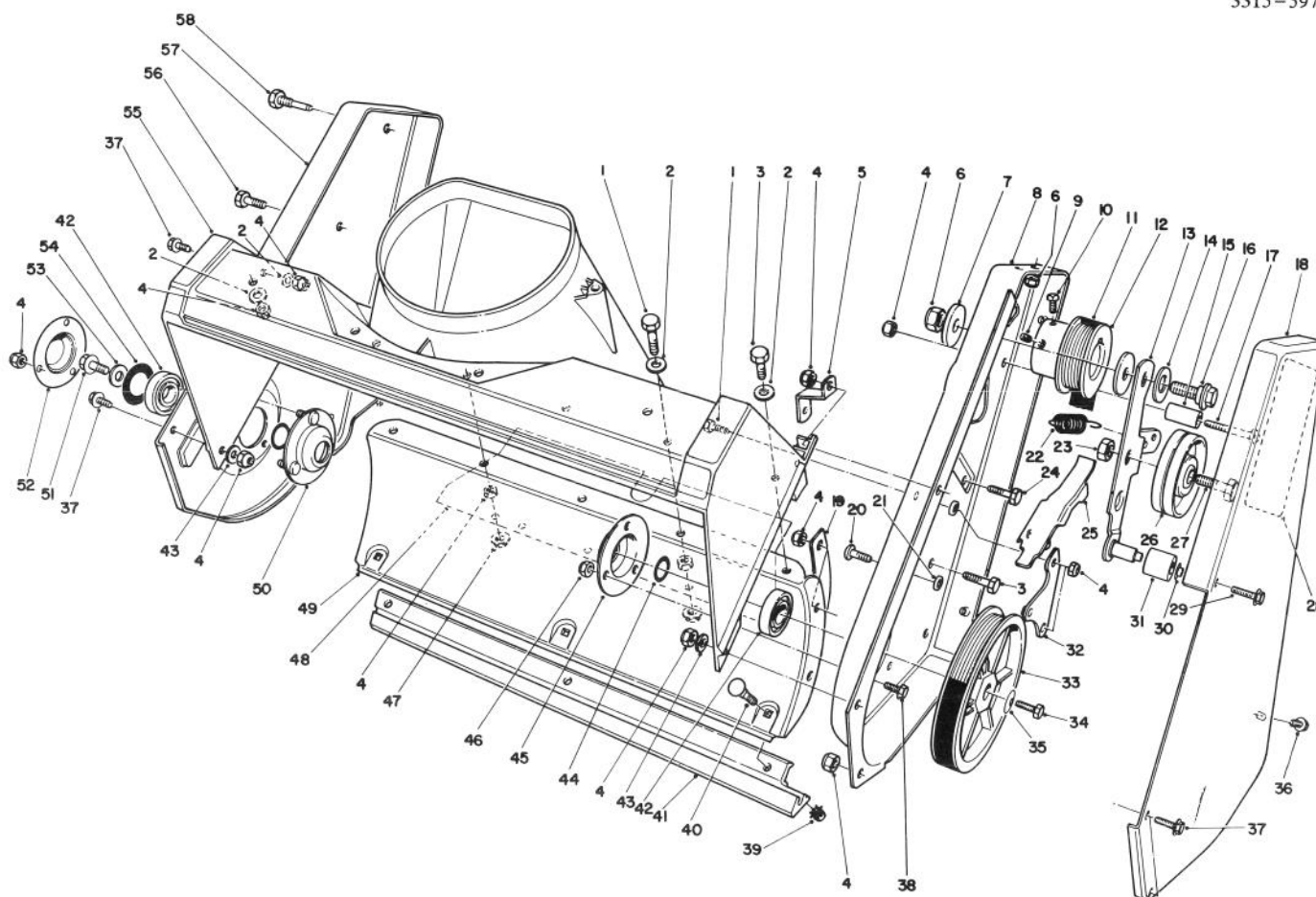
TORO®MODEL NO. 38180-3900001 & UP
MODEL NO. 38181-3900001 & UP**PARTS
CATALOG****CCR 2000® SNOWTHROWER**

C-0013

HOUSING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	321-6	Screw - Hex Hd.	3
2	3256-22	Washer	9
3	321-4	Screw - Hex Hd.	5
4	3296-42	Nut - Lock	22
5	55-9430	Bracket - Housing	1
6	3296-29	Nut - Lock	3
7	5-4460	Washer	2
8	55-8851	Sideplate - L.H.	1
9	3245-41	Screw - Set	1
10	3241-7	Screw - Set. Sq. Hd.	1
11	55-9300	Belt - Drive	1
12	55-9180	Pulley - Engine	1
13	12-8279	Idler Arm Assembly (Incl. Ref. #30 & 31)	1
14	25-5640	Washer	1

Ref. No.	Part No.	Description	No. Used
15	55-9530	Guide - Drive Belt	1
16	27-0410	Screw - Shoulder	1
17	321-13	Screw - Hex. Hd.	1
18	55-9010	Cover - Drive	1
19	56-2610	Bracket - Lower Housing	1
20	3274-31	Screw - Button Hd.	1
21	55-9620	Spacer	3
22	55-9280	Spring - Extension	1
23	32152-2	Nut - Lock	1
24	322-3	Screw - Hex Hd.	2
25	55-9550	Arm - Brake	1
26	55-9290	Pulley - Idler	1
27	323-29	Screw - Hex. Hd.	1
28	60-9480	Decal - Belt Routing	1
29	36-3860	Screw - Special	1



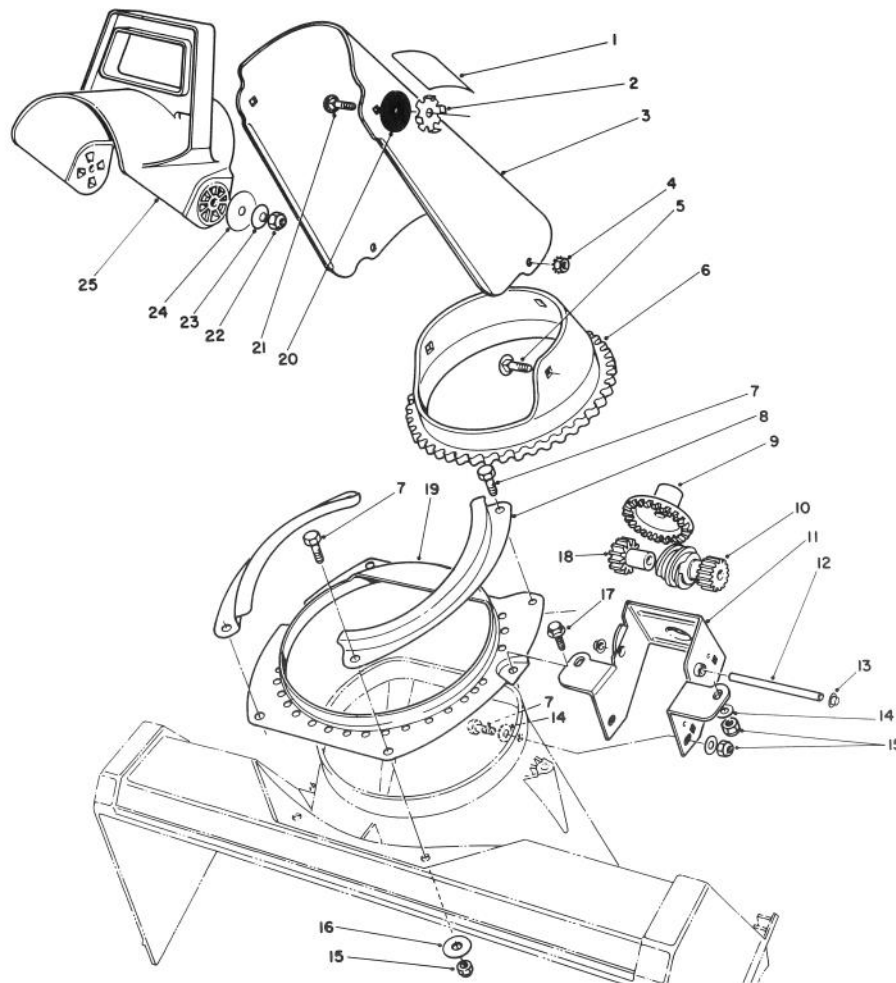
C-0013

HOUSING ASSEMBLY (CONTINUED)

Ref. No.	Part No.	Description	No. Used
30	32112-11	Pushnut	1
31	55-9520	Roller - Brake	1
32	55-9570	Pivot Plate Assembly	1
33	60-9320	Pulley - Rotor	1
34	321-30	Screw - Hex. Hd.	1
35	3290-456	Washer - Belleville	1
36	12-3270	Screw - Self Tapping	2
37	32105-15	Screw - Hex. Hd.	7
38	32105-8	Screw - Hex. Hd.	3
39	32149-2	Nut - Keps	3
40	3229-11	Screw - Carriage	3
41	55-8760	Scraper	1
42	38-7820	Bearing - Ball	2
43	3256-67	Washer	2
44	52-7280	Washer - Thrust	2

Ref. No.	Part No.	Description	No. Used
45	38-8620	Retainer - Bearing	1
46	3296-2	Nut - Lock	3
47	32128-10	Nut - Flange Lock	2
48	55-9512	Cover - Bottom	1
49	55-9220	Housing - Lower	1
50	52-9110	Flange - Bearing	1
51	3234-25	Screw - Hex. Flange Hd.	1
52	52-7290	Retainer - Bearing	1
53	3256-24	Washer	1
54	52-7270	Washer - Rubber	1
55	55-8700	Housing	1
56	322-43	Screw - Hex. Hd.	1
57	55-8840	Sideplate - R.H.	1
58	38-8211	Pin	1

*Not Illustrated



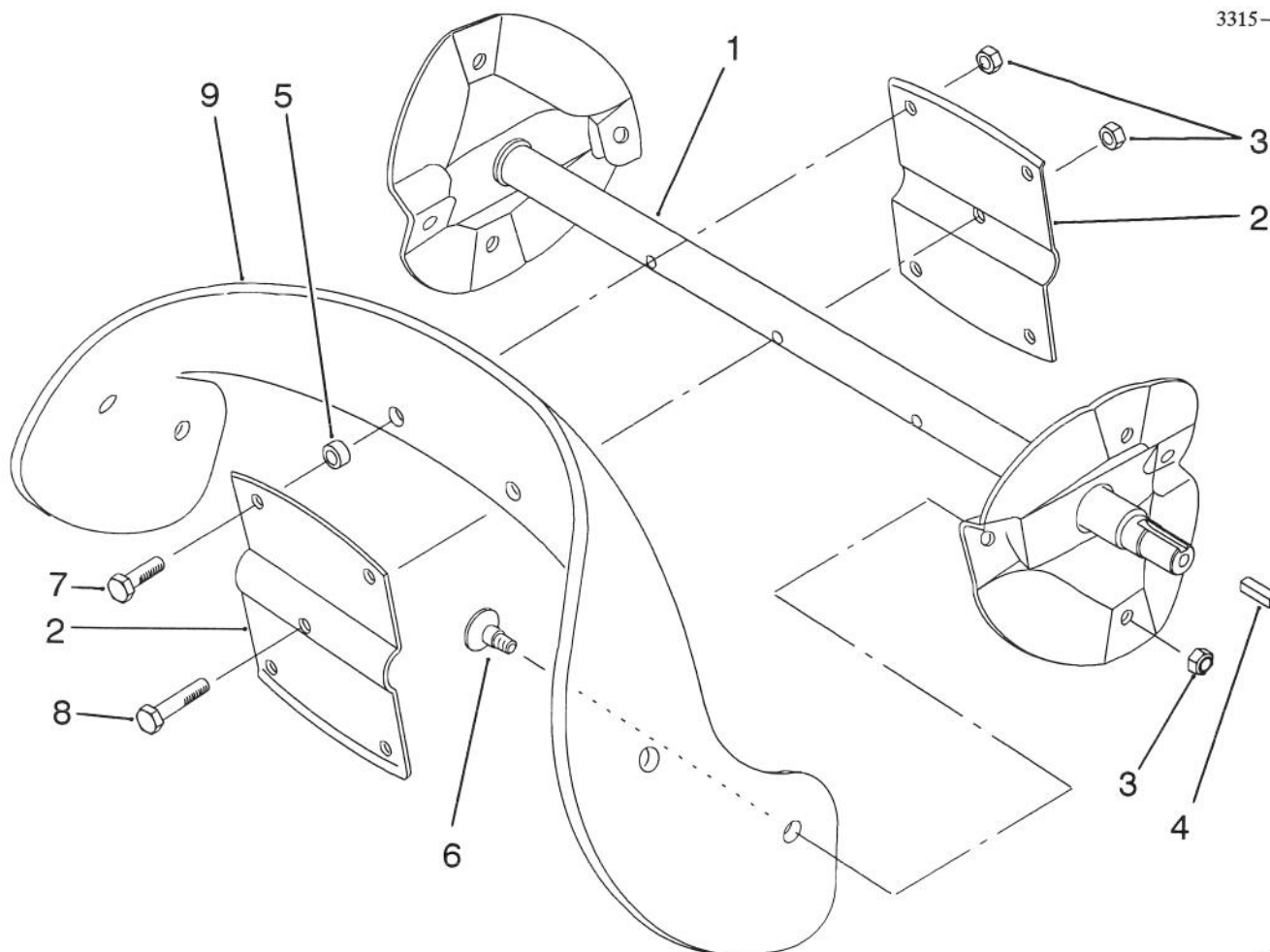
C-0014

DISCHARGE CHUTE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-3740	Decal - Discharge (Model No. 38180)	1
*	63-3760	Decal - Discharge (Model No. 38181)	1
2	55-8950	Plate - Friction	2
3	12-8749	Chute - Discharge (Incl. Ref. #1: 63-3760)	1
4	32149-1	Nut - Keps	3
5	3230-18	Screw - Carriage	3
6	55-8720	Gear Ring - Chute	1
7	321-4	Screw - Hex Hd.	6
8	55-8910	Retainer - Chute Ring	2
9	55-8740	Gear - Face	1
10	55-8730	Gear - Worm/Spur	1
11	84-5650	Bracket - Chute Gears	1

Ref. No.	Part No.	Description	No. Used
12	55-9150	Shaft - Gear	1
13	32112-11	Pushnut	2
14	3256-22	Washer	6
15	3296-42	Nut - Lock	6
16	3256-22	Washer	2
17	46-8092	Screw - Special	2
18	55-8750	Spacer/Spur Gear	1
19	55-8921	Ring - Chute Support	1
20	20-4320	Washer - Rubber	2
21	3230-22	Bolt - Carriage	2
22	3296-29	Nut - Lock	2
23	3290-456	Washer - Belleville	2
24	3256-68	Washer	2
25	56-2680	Deflector	1

*Not Illustrated

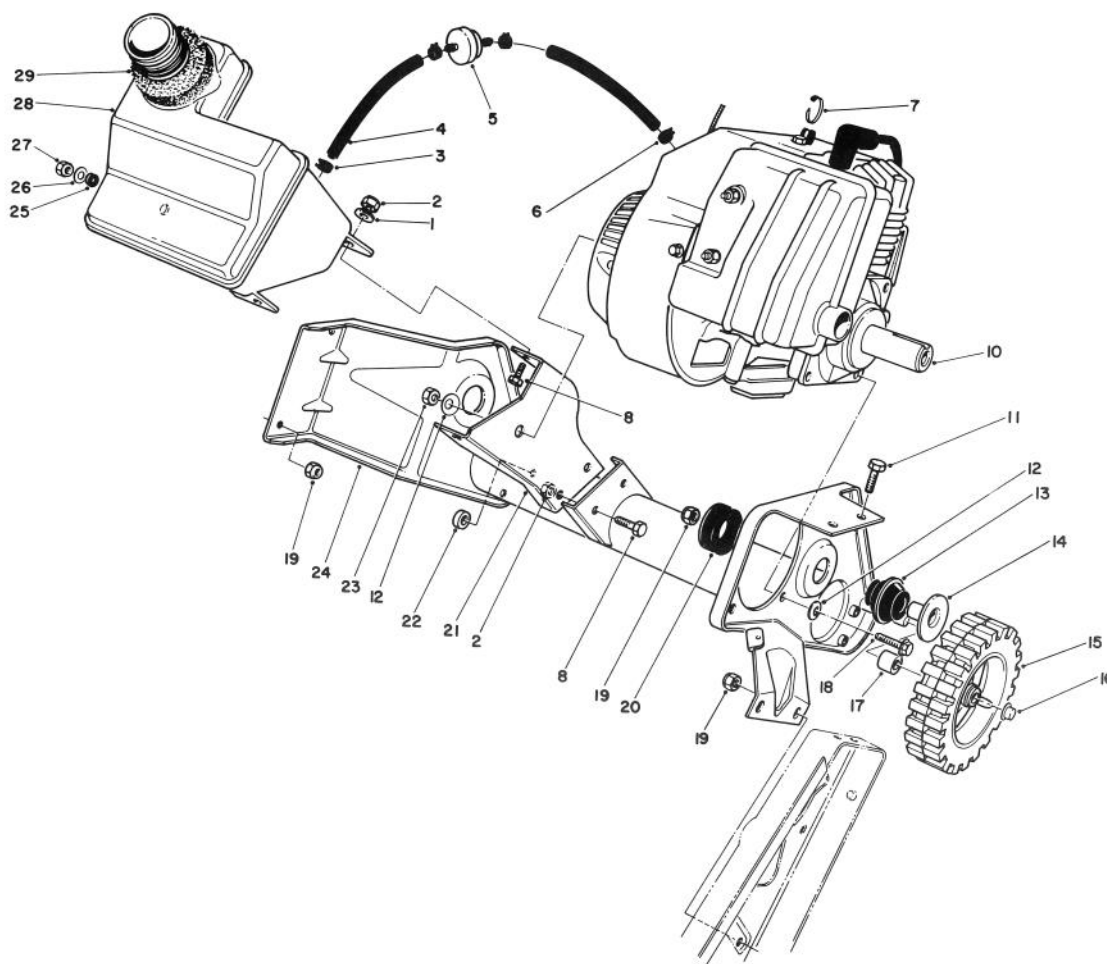


C-1273

ROTOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	55-9202	Rotor Shaft Assembly	1
2	66-6600	Rotor Half	2
3	3296-56	Nut - Lock	13
4	10-8040	Key - Square	1
5	55-9370	Spacer	4

Ref. No.	Part No.	Description	No. Used
6	84-1971	Screw - Countersunk	8
7	321-4	Screw - Hex. Hd.	4
8	321-8	Screw - Hex. Hd.	1
9	88-0771	Blade - Rotor	2

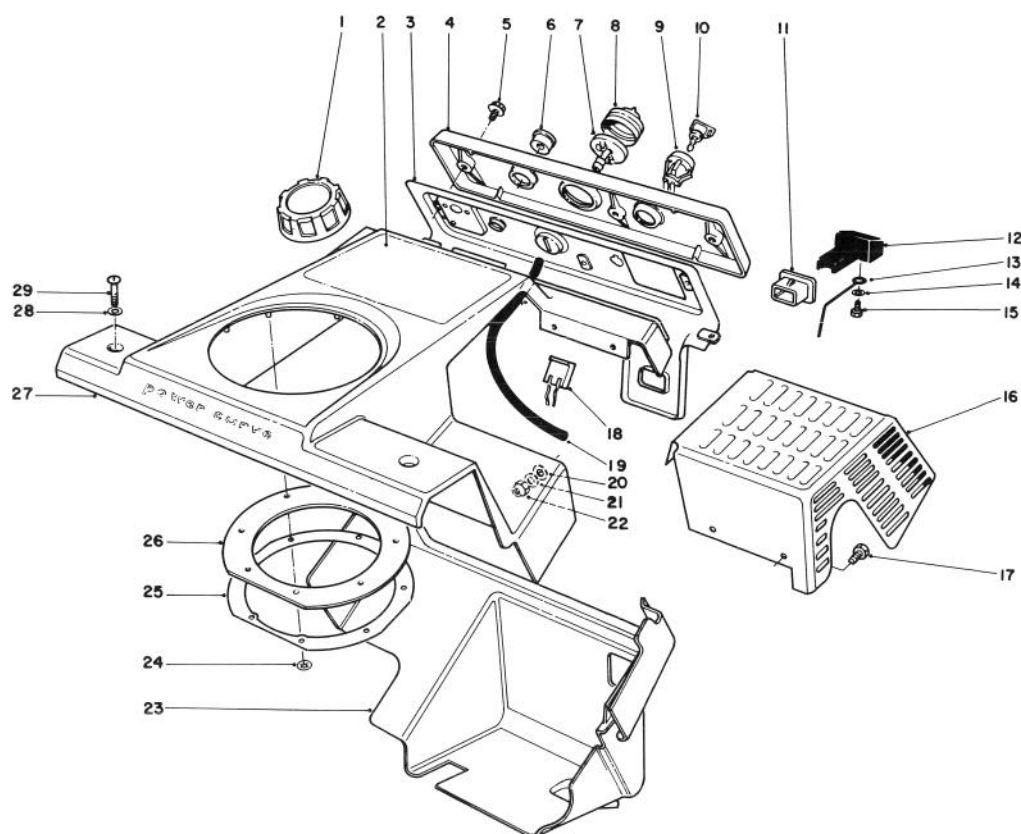


C-0016

ENGINE & MAIN FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3256-22	Washer	2
2	3296-42	Nut - Lock	4
3	2412-86	Clamp - Fuel Line	3
4	49-2481	Line - Fuel	2
5	56-6360	Filter - Fuel	1
6	2412-80	Clamp - Fuel Line	1
7	250-4	Cable Tie	1
8	321-4	Screw - Hex Hd.	4
10		Engine Assembly	1
11	322-3	Screw - Hex Hd.	2
12	3290-456	Washer - Belleville	5
13	55-9460	Mount - Rebound	2
14	55-9470	Tube - Spacer	2
15	66-6510	Wheel	2
16	32112-14	Pushnut	2

Ref. No.	Part No.	Description	No. Used
17	66-6501	Spacer - Wheel	1
18	81-0570	Bolt - Engine Mount	4
19	3296-29	Nut - Lock	5
20	55-9450	Mount - Load	2
21	55-9070	Support - Recoil	1
22	66-6500	Spacer - Wheel	1
23	81-0300	Nut - Hex	1
24	63-3750	Frame Assembly	1
25	237-89	Grommet	1
26	3256-23	Washer	1
27	32152-8	Nut - Lock	1
28	13-2459	Tank - Fuel (Incl. Ref. #25)	1
29	55-9310	Seal - Tank	1

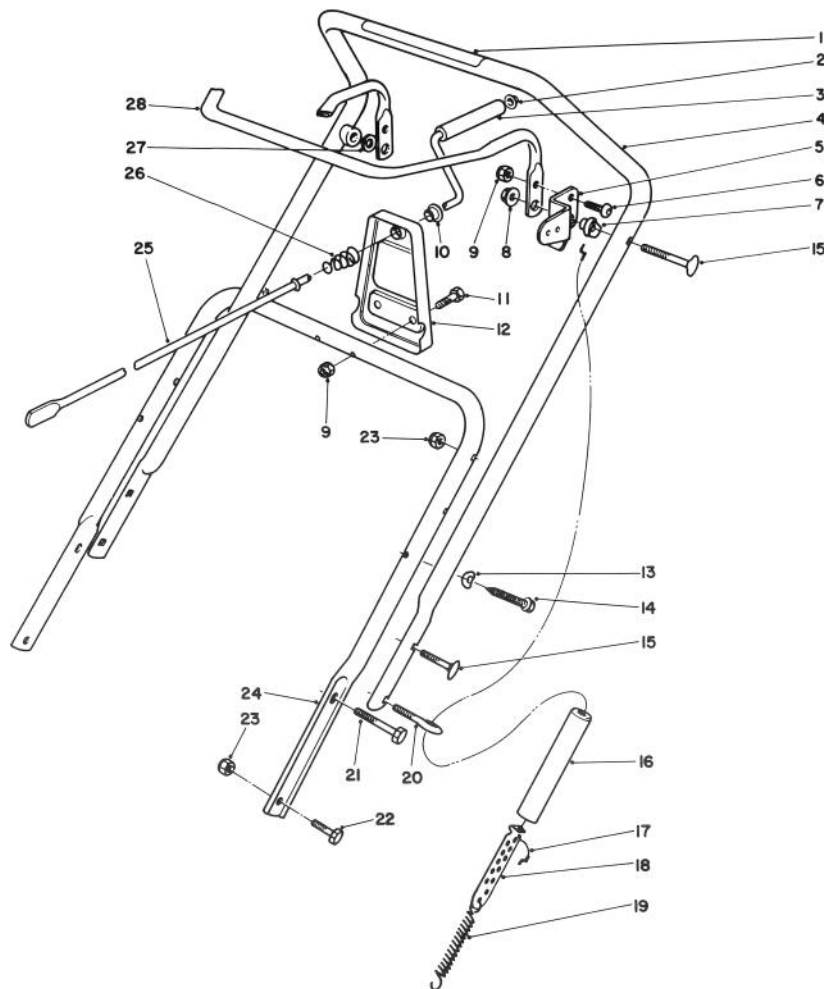


C-0017

CONTROL PANEL & SHROUDING ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	55-3573	Gas Cap Assembly	1	13	61-4651	Linkage - Choke	1
2	72-9970	Decal - CCR-2000	1	14	3256-49	Washer	1
3	12-4659	Control Panel Assembly (Incl. Ref. #6-8 & 11)	1	15	32144-111	Screw - Hex Hd.	1
4	55-9350	Nameplate - Control (Model No. 38180)	1	16	55-9210	Shield - Heat	1
*	60-9490	Nameplate - Control (Model No. 38181)	1	17	32105-8	Screw - Hex Hd.	4
5	32144-112	Screw - Hex Flange Hd.	3	18	218-532	Connector Body	1
6	55-9410	Guide - Starter Rope	1	19	44-3171	Hose - Primer	1
7	44-2750	Body - Primer	1	20	55-9660	Washer - Rubber	4
8	66-7460	Bulb - Primer	1	21	3256-14	Washer	4
9	40-5940	Switch - Key	1	22	3296-12	Nut - Lock	4
10	63-8360	Key	1	23	55-8790	Shroud - Lower	1
11	55-8820	Fitting - Choke Control	1	24	3290-474	Pushnut	8
12	55-8810	Control - Choke (Model No. 38180)	1	25	55-9540	Retainer - Chute Seal	1
*	55-8811	Control - Choke (Model No. 38181)	1	26	55-9260	Seal - Chute	1
				27	12-4649	Upper Shroud Assembly (Incl. Ref. #2 & 24-26)	1
				28	3256-22	Washer	2
				29	3250-32	Screw - Phillips	2

*Not Illustrated

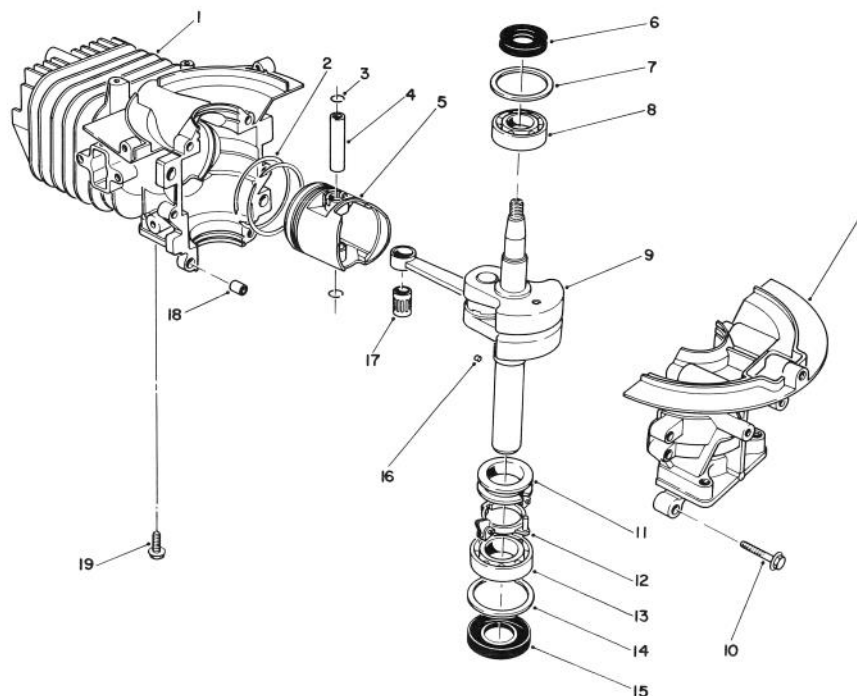


C-0018

HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	66-6870	Decal - Rotor Drive (Model No. 38180)	1	14	61-8640	Screw - Hex Hd.	2
*	60-9470	Decal - Rotor Drive (Model No. 38181)	1	15	17-9424	Screw - Handle	5
2	3290-320	Pushnut	1	16	55-9390	Cover - Spring	1
3	66-6540	Grip - Crank Handle	1	17	55-9321	Cable - Clutch	1
4	12-5939	Upper Handle Assembly (Incl. Ref. #1, Model 38180)	1	18	55-9380	Adjuster - Clutch Cable	1
	14-9369	Upper Handle Assembly (Incl. Ref. #1, Model 38181)	1	19	55-9270	Spring - Extension	1
5	55-9100	Arm - Clutch Cable	1	20	55-9420	Bolt - Eye	1
6	3274-31	Screw - Button Hd.	1	21	322-9	Screw - Hex Hd.	2
7	55-9340	Spacer - Control Bar	2	22	322-3	Screw - Hex Hd.	2
8	32111-8	Nut - Flange Lock	2	23	3296-29	Nut - Lock	6
9	3296-42	Nut - Lock	3	24	55-9121	Handle - Lower (Model 38180)	1
10	256-249	Nyliner	1		55-9120	Handle - Lower (Model 38181)	1
11	321-13	Screw - Hex Hd.	2	25	55-9140	Rod - Chute Crank	1
12	55-9090	Support - Chute Crank	1	26	55-9440	Spring - Compression	1
13	3-7501	Washer - Curved	2	27	55-9670	Washer - Rubber	1
				28	55-9130	Bar - Control	1

*Not Illustrated



C-0019

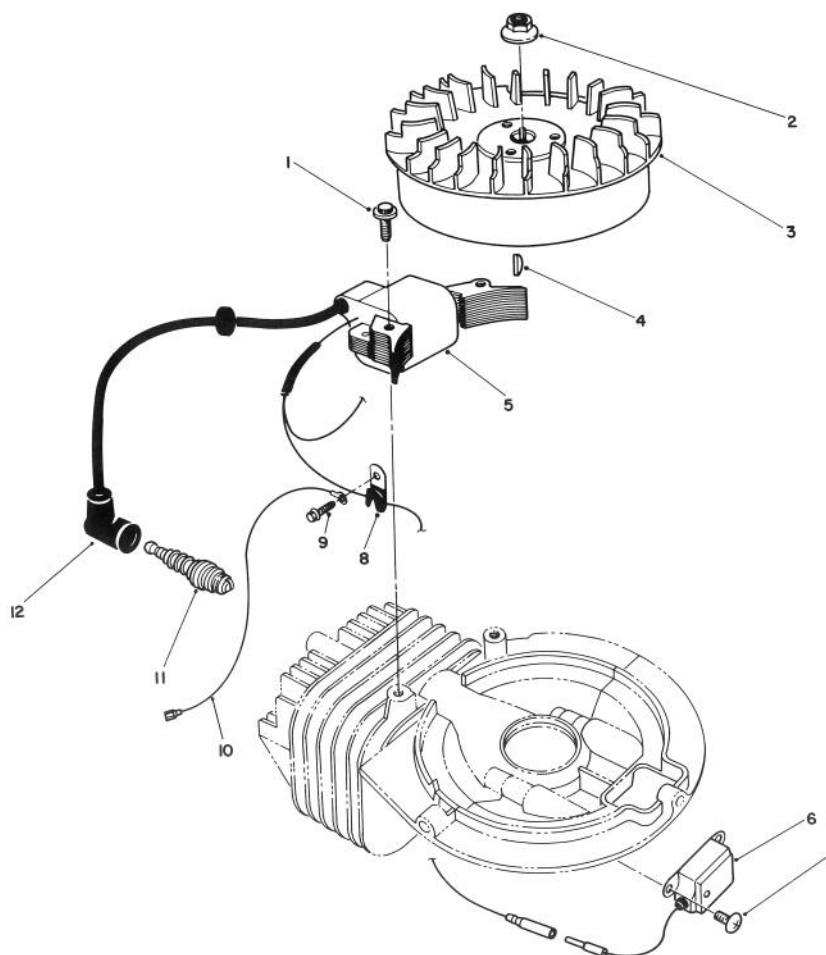
SHORT BLOCK ASSEMBLY

(Engine Model No. 47PM1-4)

Ref. No.	Part No.	Description	No. Used
1	81-0350	Cylinders//Crankcase Assembly	1
2	81-0590	Ring Set	1
3	81-0620	Circlip	2
4	81-2140	Pin - Wrist	1
5	81-0580	Piston	1
6	81-0720	Oil Seal	1
7	81-0710	Washer - Thrust	1
8	81-0690	Bearing - Upper	1
9	81-5700	Crankshaft	1
10	81-0540	Bolt	5
11	81-0770	Collar - Governor	1

Ref. No.	Part No.	Description	No. Used
12	81-0750	Centrifugal Bracket - Governor	1
13	81-0700	Bearing - Lower	1
14	81-0730	Washer - Thrust	1
15	81-0740	Oil Seal	1
16	81-0760	Pin - Governor	1
17	81-0610	Wrist Pin	1
18	81-0520	Dowel Pin - Crankcase	2
19	81-0570	Bolt	4
*	12-2479	Short Block (Incl. Ref. #1-19)	1

*Not Illustrated



C-0020

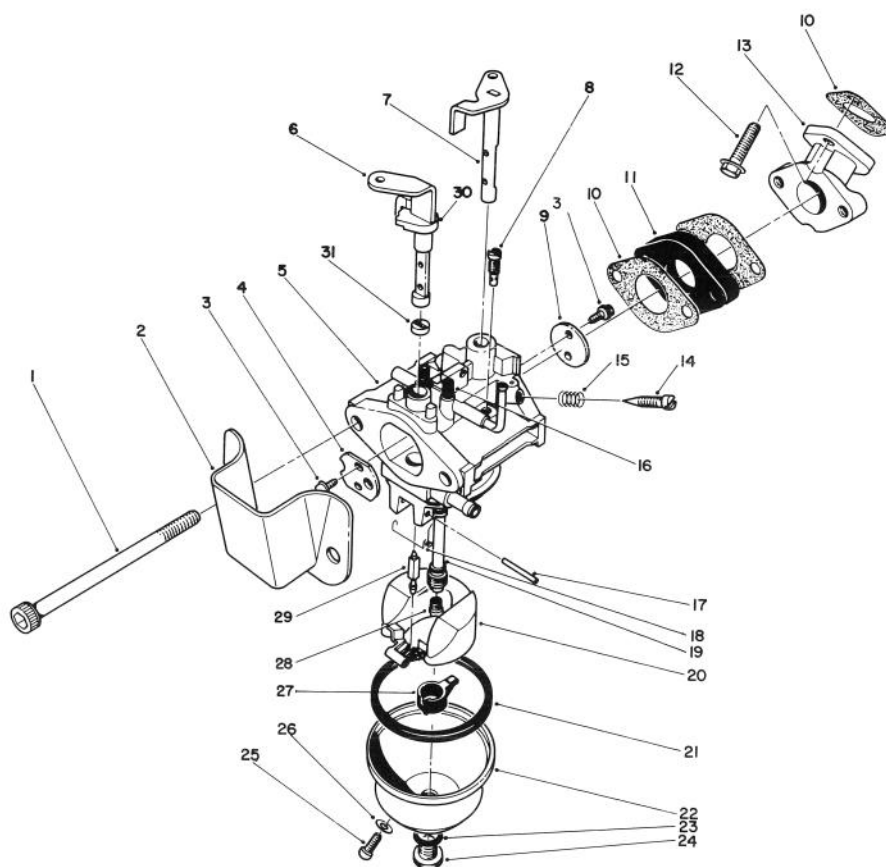
FLYWHEEL & MAGNETO ASSEMBLY

(Engine Model No. 47PM1-4)

Ref. No.	Part No.	Description	No. Used
1	81-5710	Socket Hd. Capscrew	2
2	81-1330	Hex Flange Nut	1
3	81-0320	Flywheel	1
4	81-2370	Woodruff Key	1
5	81-0330	Coil - Magneto	1
6	81-0340	Xstar Module - Magneto	1
7	81-0380	Screw	2

Ref. No.	Part No.	Description	No. Used
8	81-1480	Clamp	1
9	53-1340	Bolt	1
10	81-2860	Wire - Ground	1
11	81-0181	Spark Plug (NGK-BPMR4A)	1
12	81-1500	Cover - Spark Plug	1
*	41-7650	Puller - Flywheel	1

*Not Illustrated



C-0021

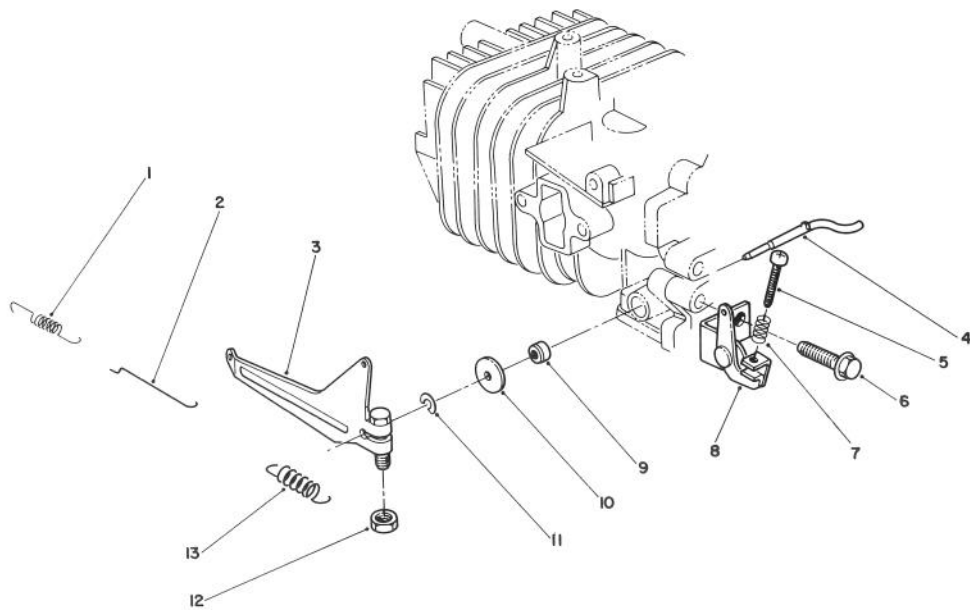
CARBURETOR ASSEMBLY

(Engine Model No. 47PM1-4)

Ref. No.	Part No.	Description	No. Used
1	81-0450	Screw	2
2	81-2700	Spitcup	1
3	81-2710	Screw	4
4	81-2720	Valve - Choke	1
5		Body - Carburetor	1
6	81-5510	Shaft - Choke (Incl. Ref. #30 & 31)	1
7	81-2920	Shaft - Throttle	1
8	81-2930	Jet - Pilot	1
9	81-2940	Valve - Throttle	1
10	81-2570	Gasket - Carburetor	3
11	81-0460	Insulator - Carburetor	1
12	50-6350	Bolt	2
13	81-0470	Manifold - Intake	1
14	50-2360	Screw - Pilot	1
15	81-2580	Spring - Pilot Screw	1
16	81-2590	Spring - Choke Detent	2
17	81-2600	Pin - Hinge	1
18	81-2610	Spring - Torsion	1

Ref. No.	Part No.	Description	No. Used
19	81-2740	Nozzle - Main	1
20	81-4920	Float	1
21	81-2630	Gasket - Float Bowl	1
22	81-2640	Bowl - Float	1
23	81-2650	Gasket - Bowl Screen	1
24	81-2660	Screw - Float Bowl	1
25	81-2670	Screw - Drain	1
26	81-2680	Gasket - Drain Screw	1
27	81-4930	Spacer - Float	1
28	81-1040	Jet - Main (#80)	1
*	81-1940	Jet - Main (#76.3)	1
29	81-4700	Needle	1
30	81-5520	Ring - Upper Choke	1
31	81-5530	Ring - Lower Choke	1
*	81-4690	Carburetor Assembly Complete	1
*	81-2910	Choke Shaft Ass'y (Incl. Ref. #6, 30, & 31)	1

*Not Illustrated



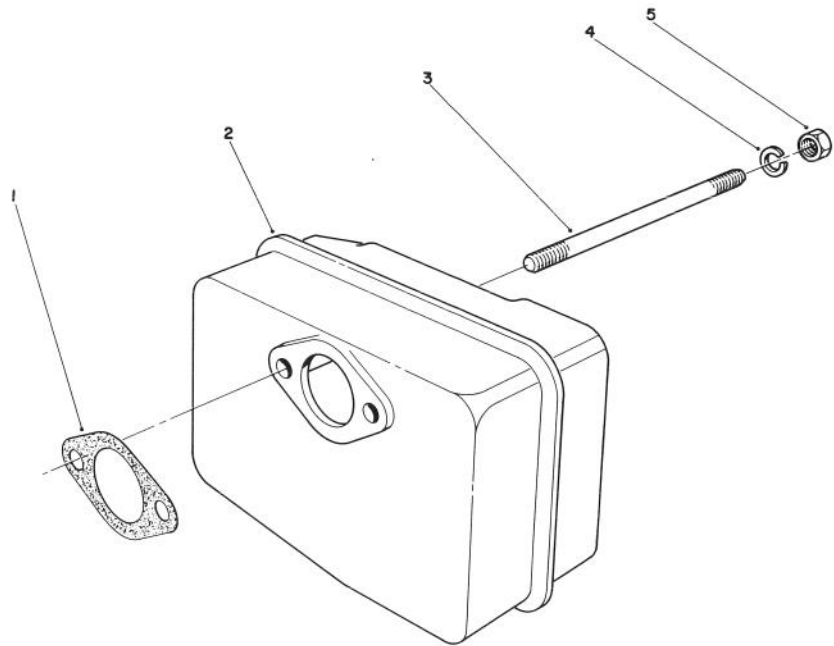
C-0022

GOVERNOR ASSEMBLY

(Engine Model No. 47PM1-4)

Ref. No.	Part No.	Description	No. Used
1	81-0440	Spring - Carburetor	1
2	81-0430	Rod - Carburetor	1
3	81-0410	Arm - Governor	1
4	81-2880	Shaft - Governor	1
5	81-2890	Screw	1
6	81-0540	Bolt	1
7	81-2900	Spring - Compression	1

Ref. No.	Part No.	Description	No. Used
8	81-0370	Bracket - Governor	1
9	81-0850	Spring	1
10	81-0860	Oil Seal	1
11	81-0870	Washer	1
12	81-0870	E-Ring	1
13	81-0900	Hex Nut	1
13	81-0360	Spring - Governor	1

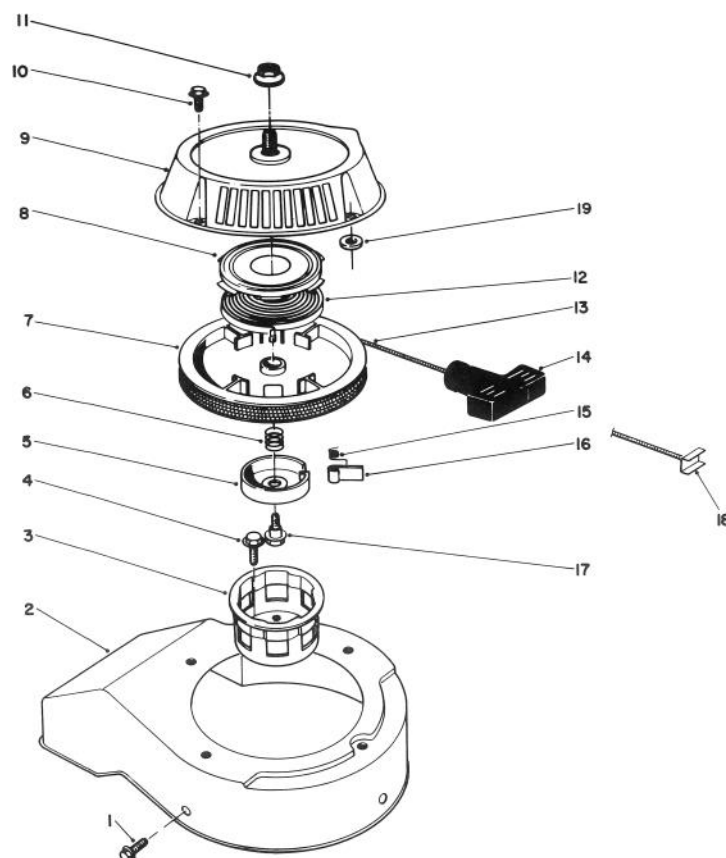


MUFFLER ASSEMBLY
(Engine Model No. 47PM1-4)

C-0023

Ref. No.	Part No.	Description	No. Used
1	81-1080	Gasket - Muffler	1
2	81-0490	Muffler	1
3	81-0500	Stud - Muffler	2

Ref. No.	Part No.	Description	No. Used
4	81-1120	Lockwasher	2
5	81-1110	Hex Nut	2



C-0024

RECOIL STARTER ASSEMBLY

(Engine Model No. 47PM1-4)

Ref. No.	Part No.	Description	No. Used
1	53-1349	Bolt	3
2	81-0310	Shroud - Blower	1
3	81-1290	Cup - Starter	1
4	82-1300	Bolt	3
5	81-1250	Retainer - Dog	1
6	81-1240	Spring - Compression	1
7	81-1210	Reel - Rope Pulley	1
8		Retainer - Recoil Spring	1
9	81-0290	Case - Recoil	1
10	81-0390	Bolt	4
11	81-0300	Flange Locknut	1
12		Spring - Recoil	1
13	81-1270	Rope	1

Ref. No.	Part No.	Description	No. Used
14	81-1630	Handle - Recoil	1
15	81-1220	Spring - Dog	1
16	81-1230	Dog - Starter	1
17	81-1260	Bolt	1
18	81-5760	Insert - Handle	1
19	55-9620	Spacer	1
*	81-0280	Recoil Assembly (Incl. Ref. No. 5-9, & 12-17)	1
*	81-2300	Recoil Spring & Retainer Assembly (Incl. Ref. #8 & 12)	1

*Not Illustrated

MAINTENANCE RECORD

3315-597

[illegible]

MAINTENANCE RECORD

[illegible]

COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

MAINTENANCE RECORD

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