

MC 49M/C ENGINE

MODEL NO. 400162D SERIAL NUMBERS PREFIXED 10-

ILLUSTRATED PARTS LIST

MARCH 1973

The policy of McCulloch Corporation is one of continual improvement in design, manufacturing and engineering advancements wherever possible to assure still finer two-cycle power tools. Hence, specifications, equipment, colors, design and manufacturer's suggested list prices are subject to change without notice and McCulloch Corporation reserves the right to make such changes without prior notification or obligation to backfit or supply backfit components for units previously shipped from the factory.

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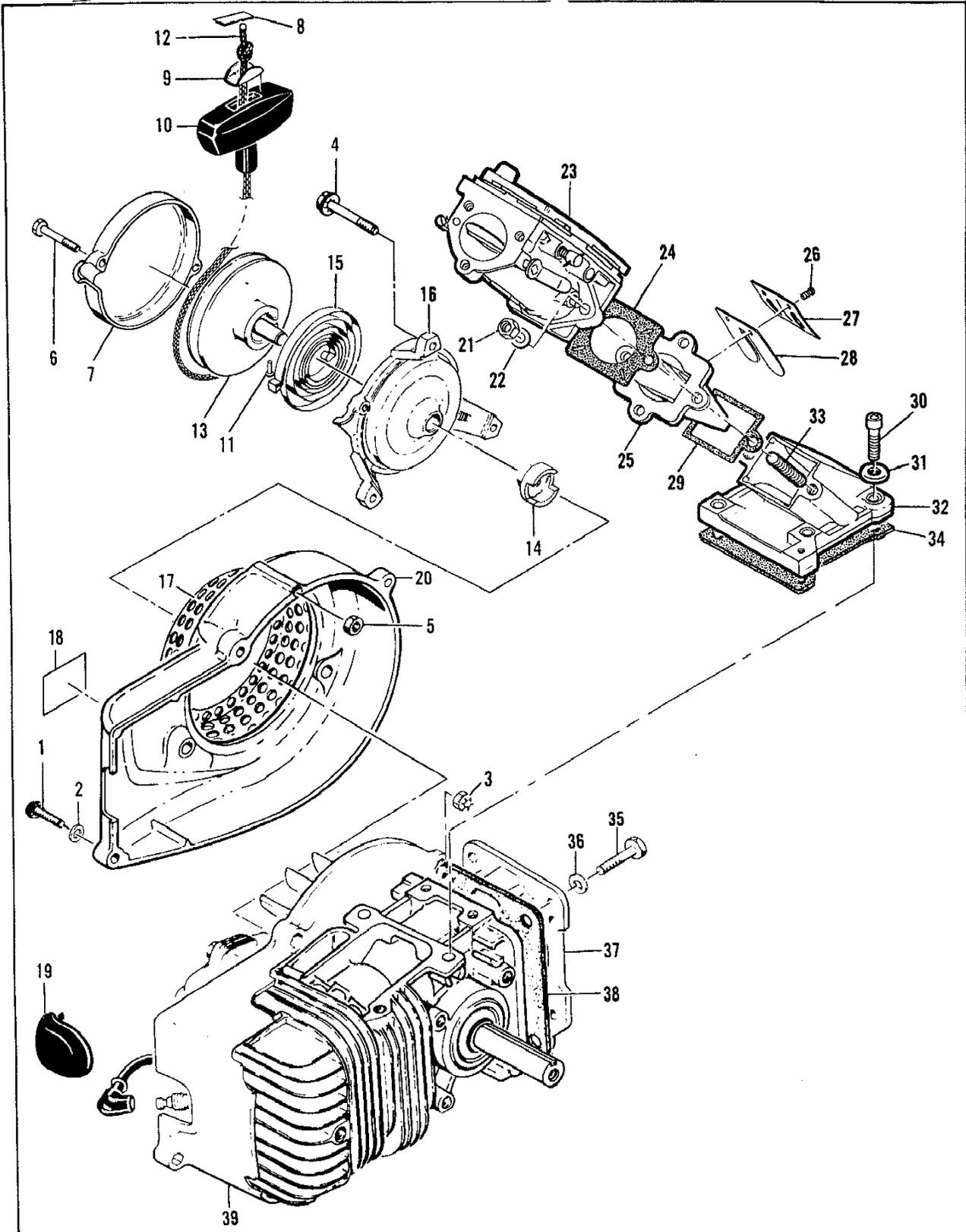


Figure 1. General

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FIGURE 1. GENERAL

Item No.	Part Number	Description	Units Per Assy
1	102760	Screw - Hex hd 10-24 x 1	4
2	110264	Washer - #10	4
3	101326	Nut - Hex 10-24	2
4	104815	Screw - Hex hd 10-24 x 7/8 (SEMS)	3
5	101326	Nut - Hex 10-24	3
	88636	Starter Assy	1
6	104396	Screw - Pan hd 10-24 x 3 4	2
7	89354	Cover - Starter	1
8	57232	Plate - Starter handle	1
9	57231	Cup - Starter handle	1
10	57230	Handle - Starter	1
11	101136	Rivet - Rope	1
12	28716	Rope - Starter	1
13	57792	Drum - Starter	1
14	57790	Ratchet - Starter	1
15	51665	Spring - Rewind	1
16	89353	Base - Starter	1
17	88635	Guard - Flywheel	1
18	88642	Nameplate	1
19	86387	Cover Assy - Spark plug	1

Item No.	Part Number	Description	Units Per Assy
20	88632	Housing - Fan	1
21	100249	Nut - Hex 1/4-20	2
22	100153	Lockwasher - 1/4	2
23		Carburetor Assy - (See Figure 2)	1
24	65839	Gasket - Carburetor	1
25	68091	Valve Assy - Reed block	1
26	101987	Screw - Rd hd 6-32 x 1/4	4
27	65904	Plate - Clamp	2
28	68074	Valve - Reed	2
29	68894	Gasket - Reed block	1
30	110439	Screw - Skt hd 10-24 x 1	4
31	24236	Washer - Special	4
32	88137	Manifold Assy - Carburetor	1
33	47868	Stud - Manifold	2
34	69526	Gasket - Manifold	1
35	105187	Screw - Hex hd 1/4-20 x 1	4
36	103643	Washer - 1/4	4
37	67254	Cover - Crankcase bottom	1
38	65654	Gasket - Bottom cover	1
39		Powerhead Assy (See Figure 3)	1

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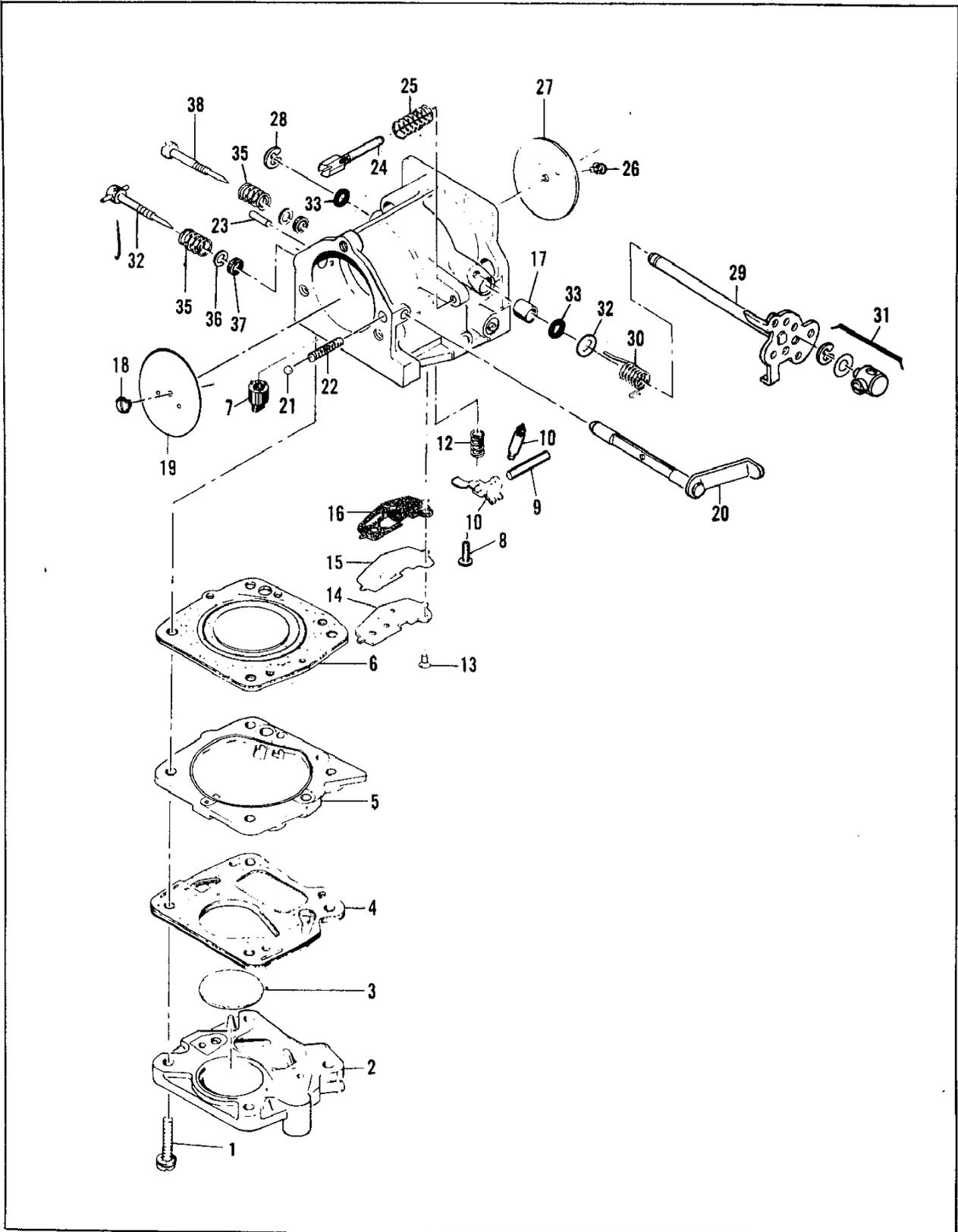


Figure 2. Carburetor Assembly

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FIGURE 2. CARBURETOR ASSEMBLY

Item No.	Part Number	Description	Units Per Assy	Item No.	Part Number	Description	Units Per Assy
1	89664	Carburetor Assy	1	21	89652	. Ball - Choke detent	1
	104520	. Screw - Pan hd 10-24 x 7/8 (SEMS)	4	22	52920	. Spring - Choke detent	1
2	84941	. Body - Fuel pump	1	23	101706	. Pin - Choke plate	1
3	48911	. Filter - Fuel	1	24	89655	. Screw - Idle speed	1
4	57274B	. Diaphragm - Fuel pump	1	25	51705	. Spring - Speed screw	1
5	89657	. Plate - Diaphragm	1	26	104814	. Screw - Pan hd 4-40 x 1/4 (SEMS)	1
6	86092	. Diaphragm - Metering	1	27	65934	. Plate - Throttle	1
7	53766A	. Valve - Check	1	28	68211	. Retainer - "C" Ring	1
8	104728	. Screw - Lever pin	1	29	89654	. Shaft Assy - Throttle	1
9	104305	. Pin - Lever	1	30	89656	. Spring - Throttle return	1
10	85059	. Kit - Inlet lever & needle Assy	1	31	88844	. Swivel Assy - Throttle shaft*	1
11	57172	. Spring - Lever	1	32	89659	. Washer - Nylon	1
13	84942	. Screw - Circuit plate	3	33	89660	. "O" Ring	2
14	84938	. Plate - Circuit	1	34	84940	. Needle Assy - High speed	1
15	84944	. Diaphragm	1	35	89655	. Spring - Needle	2
16	88843	. Gasket - Circuit plate	1	36	52937	. Washer - Packing	2
17	55062A	. Bushing - Body	2	37	88106	. Ring - Packing	2
18	104814	. Screw - Pan hd 4-40 x 1/4 (SEMS)	1	38	84939	. Needle - Idle	1
19	65934	. Plate - Choke	1		89658	Kit - Repair	
20	89094	. Shaft Assy - Choke	1				

*Swivel on replacement carburetors may require relocation on the throttle lever as illustrated.

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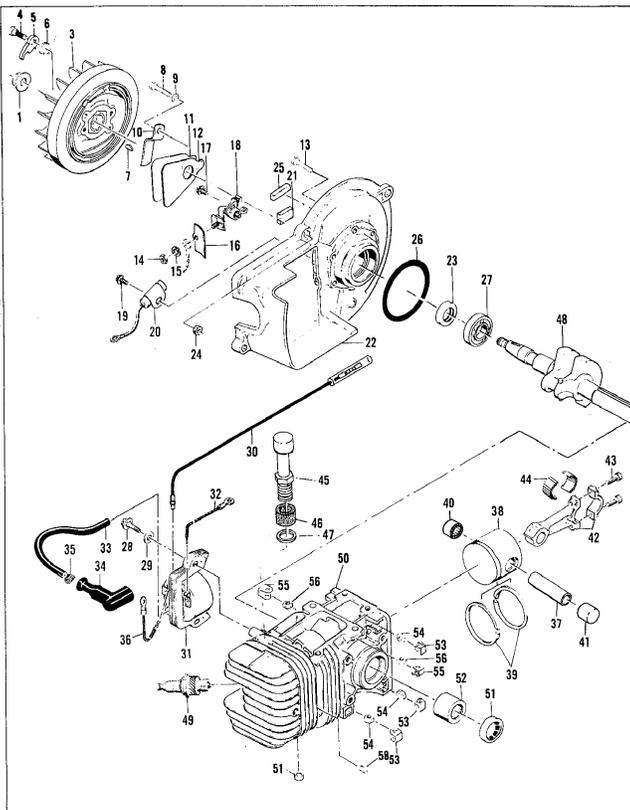


Figure 3. Powerhead Assembly

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FIGURE 3. POWERHEAD ASSEMBLY

Item No.	Part Number	Description	Units Per Assy
1	110655	Nut - Hex 7 16-20	1
2	101270	Washer - 7 16	1
3	68282	Flywheel & Pawl Assy	1
4	36144B	. Pin - Starter pawl	2
5	24093	. Pawl - Starter	2
6	66351	. Spring - Pawl	2
7	103879	Key - Woodruff	1
8	55494	Screw Assy - Sealing	2
9	55492	. Washer - Sealing	2
10	50671	Retainer - Breaker cover	1
11	50588A	Cover - Breaker box	1
12	65584	Gasket - Breaker box cover	1
13	110866	Screw - Hex hd 10-24 x 3 4	4
14	100251	Nut - Hex 8-32	1
15	100057	Lockwasher - #8	1
16	50381A	Insulator - Breaker terminal	1
17	103672	Screw - Hex hd 8-32 x 1 2 (SEMS)	1
18	50076A	Breaker Assy	1
19	103672	Screw - Hex hd 8-32 x 1 2 (SEMS)	1
20	85358	Condenser	1
21	50664	Felt - Breaker box	1
22	88628	Cover Assy - Crankcase	1
23	89335	. Oil seal	1
24	101326	. Nut - Hex 10-24	2
25	54184	. Wiper - Felt	1
26	104523	"O" Ring - Crankcase cover	1
27	100824	Bearing - Ball	1
28	104815	Screw - Hex hd 10-24 x 7 8 (SEMS)	2

Item No.	Part Number	Description	Units Per Assy
29	100352	Washer - #10	2
30	86131	Wire Assy - Kill switch	1
31	86413	Coil & Lamination Assy	1
32	101883	. Wire Assy - Ground	1
33	50120	. Wire Assy - Spark plug	1
34	55060	. . Boot	1
35	55061	. . Connector	1
36	57225	Wire Assy - Primary	1
37	62831	Pin - Piston	1
38	53927	Piston Assy	1
39	89124	. Ring Set - Piston	1
40	101206	. Bearing	1
41	104378	. Bearing - (Closed end)	1
42	47903	Connecting Rod Assy	1
43	60210A	. Screw - Skt hd special	2
44	102742	. Roller - Needle	24
45	87866	Valve - DSP	1
46	88800	Filter - Valve	1
47	85505	Washer - Valve	1
48	89139	Crankshaft	1
49		Spark Plug - 14 mm	1
50	62481	Crankcase Assy	1
51	104128	. Seal - Oil	1
52	89128	. Bearing - Needle	1
53	18556A	. Retainer - Nut	6
54	105394	. Nut - Hex 1/4-20	6
55	28053	. Retainer - Nut	2
56	101326	. Nut - Hex 10-24	2
57	110685	. Plug - Cup	3
58	83374	. Insert - Taplok	2

ACCESSORIES

Part Number	Description
53924	Piston Assy - 0.010 in. oversize
89125	Ring Set - 0.010 in. oversize
53925	Piston Assy - 0.020 in. oversize
89126	Ring Set - 0.020 in. oversize
53926	Piston Assy - 0.030 in. oversize
89127	Ring Set - 0.030 in. oversize
62459A	Piston Tool Kit
59549	T-Handle Allen Wrench - 5/32 in.
86419	Timing Guide

Part Number	Description
62849	Pressure Test Tool
67218	Intake Adapter Plate
62862	Exhaust Adapter Plate
84007	Exhaust Adapter Plate Gasket
51787	Flywheel Puller
67537	Loctite - 10 cc
68280	Flywheel - 5° Advance
85183	High Capacity Fuel Pump
85162	Alcohol Carburetor



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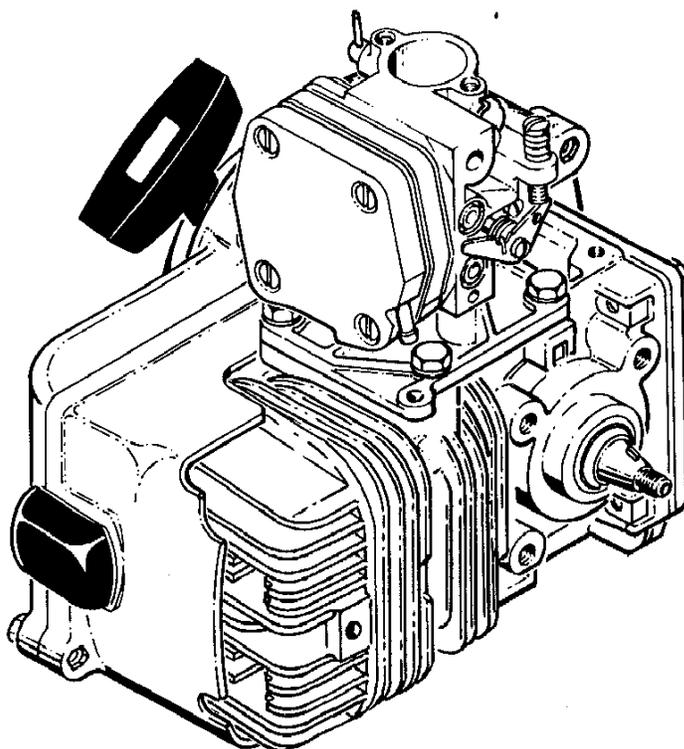
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MC 49-C

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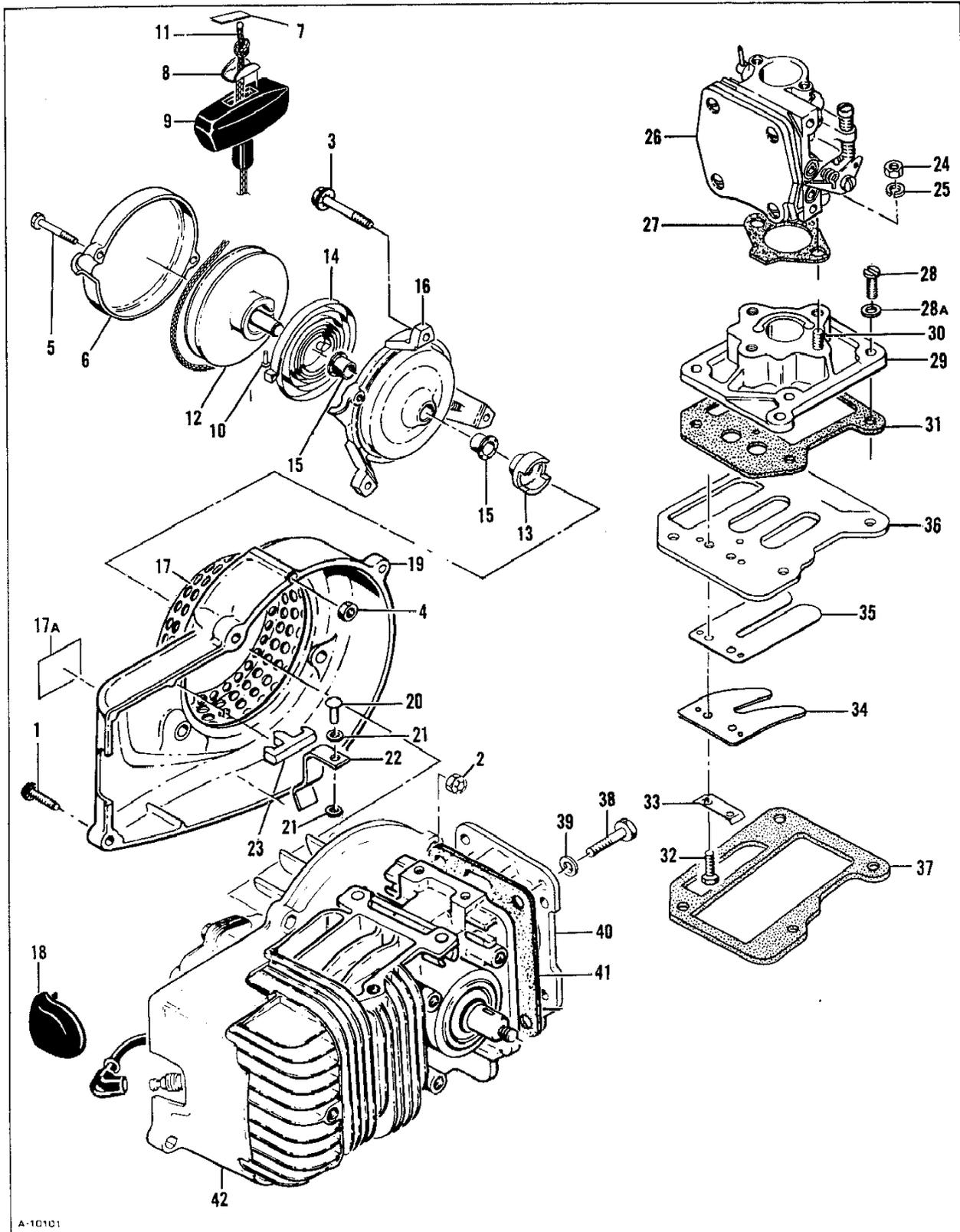


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Figure 1. Engine Exploded View - General

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FIGURE 1. ENGINE EXLODED VIEW — GENERAL

Item No.	Part Number	Description	Units Per Assy	Item No.	Part Number	Description	Units Per Assy
1	104815	Screw - Hex hd 10-24 x 7/8 (Sems)	4	21	24236	Washer - Special	2
2	101326	Nut - Hex 10-24	2	22	50818	Spring - Switch	1
3	104815	Screw - Hex hd 10-24 x 7/8 (Sems)	3	23	50817	Button - Switch	1
4	101191	Nut - Hex 10-24	3	24	100249	Nut - Hex 1/4-28	2
	60130	Starter Assy	1	25	100153	Lockwasher - 1/4	2
5	104396	Screw - Pan hd 10-24 x 3/4	2	26		Carburetor Assy (See Figure 2)	1
6	60647	Cover - Starter	1	27	65586	Gasket - Carburetor	1
7	57232	Plate - Starter handle	1	28	102290	Screw - Hex hd 10-24 x 1-1/8	4
8	57231	Cup - Starter handle	1	28A	102189	Washer - #10	4
9	57230	Handle - Starter	1	29	48608C	Adapter Assy - Carburetor	1
10	101136	Rivet - Rd hd 3/32 x 3/8	1	30	48611	Stud - Adapter	2
11	28716	Rope - Starter	1	31	65576	Gasket - Adapter	1
12	57792	Drum - Starter	1	32	104476	Screw - Hex hd 8-32 x 5/16	2
13	57790	Ratchet - Starter	1	33	51480	Lockplate	1
14	51665	Spring - Starter rewind	1	34	48591	Guard - Reed	1
15	57535	Bushing - Starter base	2	35	48593	Valve - Reed	1
16	60646	Base - Starter	1	36	60218	Plate - Reed	1
17	50581A	Guard	1	37	62894	Insulator - Reed plate	1
17A	68896	Nameplate	1	38	101982	Screw - Hex hd 1/4-20 x 1	4
18	57565	Cover Assy - Spark plug	1	39	100311	Washer - 1/4	4
19	57184B	Fan Housing Assy	1	40	58189A	Cover - Crankcase bottom	1
20	103819	Rivet - Oval hd 3/16 x 5/16	1	41	65578	Gasket - Bottom cover	1
				42		Powerhead Assy (See Figure 3)	1

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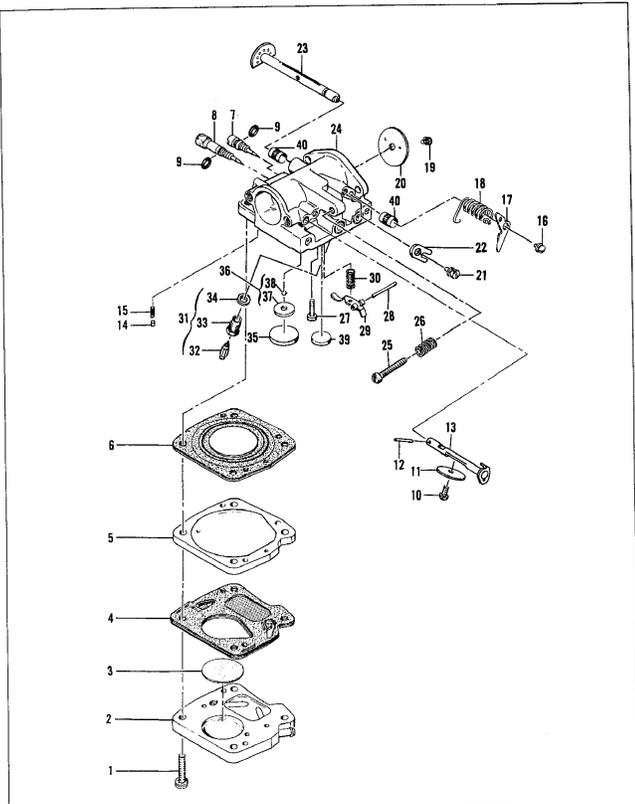


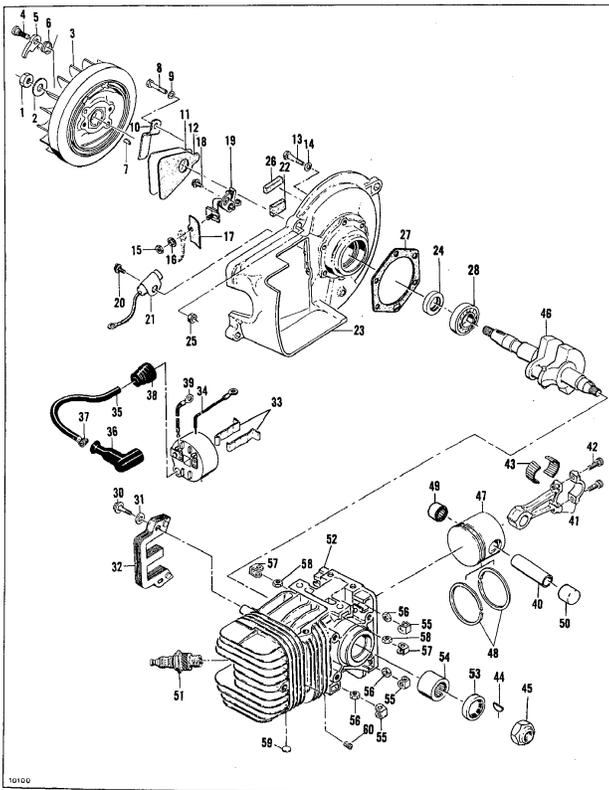
Figure 2. Carburetor Assembly

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FIGURE 2. CARBURETOR ASSEMBLY

Item No.	Part Number	Description	Units Per Assy	Item No.	Part Number	Description	Units Per Assy
	68795	Carburetor Assy	1	20	55085	Plate - Throttle	1
1	104520	Screw - Pan hd 10-24 x 7/8 (Sems)	4	21	110055	Screw - Fil hd 5-32 x 3/8 (Sems)	1
2	48898	Body - Fuel pump	1	22	55082	Clip - Throttle shaft	1
3	48911	Filter - Fuel pump	1	23	48818A	Shaft Assy - Throttle	1
4	68693	Diaphragm - Fuel pump	1	24	68798	Carburetor Body Assy	1
5	48901	Plate - Carburetor diaphragm	1	25	55397	Screw - Idle	1
6	55067C	Diaphragm	1	26	51705	Spring - Idle screw	1
7	55090	Needle - Idle adjusting	1	27	104164	Screw - Pan hd 4-40 x 1/4	1
8	48810	Needle - Main adjusting	1	28	104305	Pin - Inlet lever	1
9	104001	'O' Ring	2	29	55688	Lever - Inlet control	1
10	104814	Screw - Pan hd 4-40 x 1/4 (Sems)	1	30	57172	Spring - Inlet lever	1
11	55085	Plate - Choke	1	31	60163A	Set - Body and valve	1
12	105015	Pin - Groove	1	32	63038	Valve - Needle	1
13	68891	Shaft Assy - Choke	1	33	89869	Body - Valve	1
14	52929	Pin - Choke friction	1	34	55689	Washer - Valve	1
15	52930	Spring - Choke friction	1	35	104407	Plug - Expansion 1 inch	1
16	104814	Screw - Pan hd 4-40 x 1/4 (Sems)	1	36	61155	Set - Ball & Seat	1
17	50701A	Arm - Throttle shaft	1	37	61152	Seat - Ball valve	1
18	48820	Spring - Throttle return	1	38	61151	Ball - Valve	1
19	104814	Screw - Pan hd 4-40 x 1/4 (Sems)	1	39	110179	Plug - Expansion 1/2 inch	1
				40	55062A	Bushing - Carburetor body	2

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Figure 3. Powerhead Assembly



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