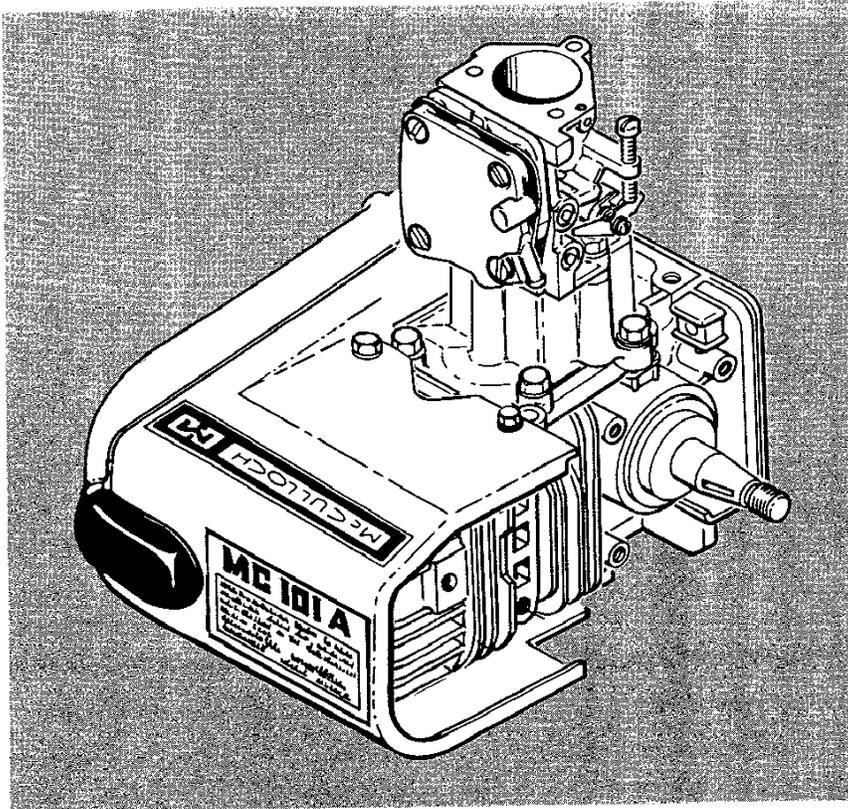


KART engine MC101 series ILLUSTRATED PARTS LIST

JUNE 1970



The policy of McCulloch Corporation is one of continual improvement in design, manufacturing and engineering advancement 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.

	Page
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Figure 2. Carburetor Assembly	4
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Figure 4. Powerhead Assembly	10

(See page 11 for cancelled and superseded parts lists)



MC 101 Series

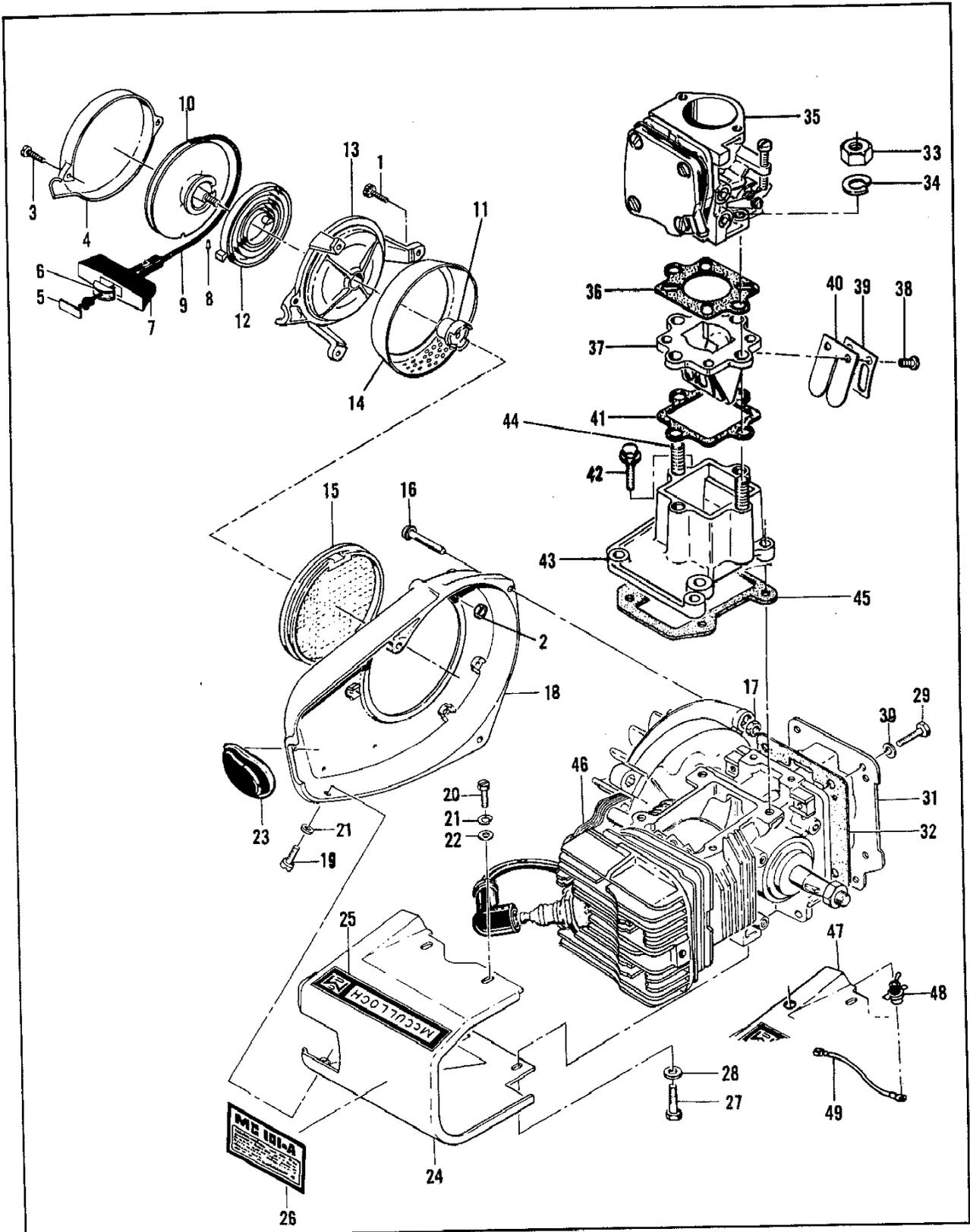


Figure 1. General

MC 101 Series

FIGURE 1. GENERAL

Item No.	Part Number	Description	Units Per Assy	Usable on Code															
MC 101 Series - Usable on Code																			
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Model</th> <th>101</th> <th>101</th> <th>101C</th> <th>101A</th> </tr> <tr> <th>Number</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> <tr> <th>Serial Numbers</th> <td>Without Prefix & 10-</td> <td>Prefixed 11-</td> <td>Prefixed 13-</td> <td>Prefixed 14-</td> </tr> </thead> </table>	Model	101	101	101C	101A	Number	A	B	C	D	Serial Numbers	Without Prefix & 10-	Prefixed 11-	Prefixed 13-	Prefixed 14-		
Model	101	101	101C	101A															
Number	A	B	C	D															
Serial Numbers	Without Prefix & 10-	Prefixed 11-	Prefixed 13-	Prefixed 14-															
1	104815	Screw - Hex hd 10-24 x 7/8 (SEMS).....	3	C															
2	101191	Nut - Hex 10-24	3	C															
	84211	Starter Assy	1	C															
3	104396	. Screw - Pan hd 10-24 x 3/4	2	C															
4	60647	. Cover - Starter	1	C															
5	57232	. Plate - Starter handle	1	C															
6	57231	. Cup - Starter handle	1	C															
7	57230	. Handle - Starter	1	C															
8	101136	. Rivet - Rope	1	C															
9	28716	. Rope - Starter	1	C															
10	57792	. Drum - Starter	1	C															
11	57790	. Ratchet - Starter	1	C															
12	51665	. Spring - Rewind	1	C															
13	84212	. Base - Starter	1	C															
14	50581A	Guard	1	C															
15	55615	Guard	1	A,B															
16	104816	Screw - Hex hd 10-24 x 1-1/4 (SEMS)	3	All															
17	101326	Nut - Hex 10-24	2	All															
18	47820	Fan Housing	1	A, B															
	69822	Fan Housing	1	C															
	84728	Fan Housing	1	D															
19	102500	Screw - Pan hd 10-24 x 1/2	1	All															
20	102762	Screw - Hex hd 10-24 x 1/2	1	All															
21	101194	Lockwasher - #10	3	All															
22	100002	Washer - #10	3	All															
23	57565	Cover Assy - Spark plug	1	All															
24	47904	Shroud - Cylinder	1	All															
25	48588A	. Nameplate	1	All															
26	66039	Nameplate	1	A,B,C															
	84704	Nameplate	1	D															
27	100732	Screw - Hex hd 1/4-20 x 5/8	2	All															
28	100005	Washer - 1/4	2	All															
29	101982	Screw - Hex hd 1/4-20 x 1	4	All															
30	13643	Washer - Special	4	All															
31	47803	Cover - Crankcase bottom	1	All															
32	65578	Gasket - Cover	1	All															
33	100249	Nut - Hex 1/4-28	2	All															
34	100153	Lockwasher - 1/4	2	All															
35		Carburetor Assy (See Figures 2 and 3)		All															
36	65939	Gasket - Carburetor	1	All															
37	68091	Valve Assy - Reed	1	All															
38	101987	. Screw - Rd hd 6-32 x 1/4	4	All															
39	65904	. Plate - Clamp	2	All															
40	68074	. Valve - Reed	2	All															
41	65937	Gasket - Reed valve	1	A															
	68894	Gasket - Reed valve	1	B,C,D															
42	103947	Screw - Hex hd 10-24 x 1 (SEMS)	4	All															
43	68889	Adapter Assy - Carburetor	1	All															
44	47868	. Stud - Adapter	2	All															
45	48516	Gasket - Adapter	1	All															
46		Powerhead Assy (See Figure 4)		All															
47	69762	Shroud	1	C															
48	58387	Stop Switch Assy	1	C															
49	53490	Wire Assy - Stop switch	1	C															

MC 101 Series

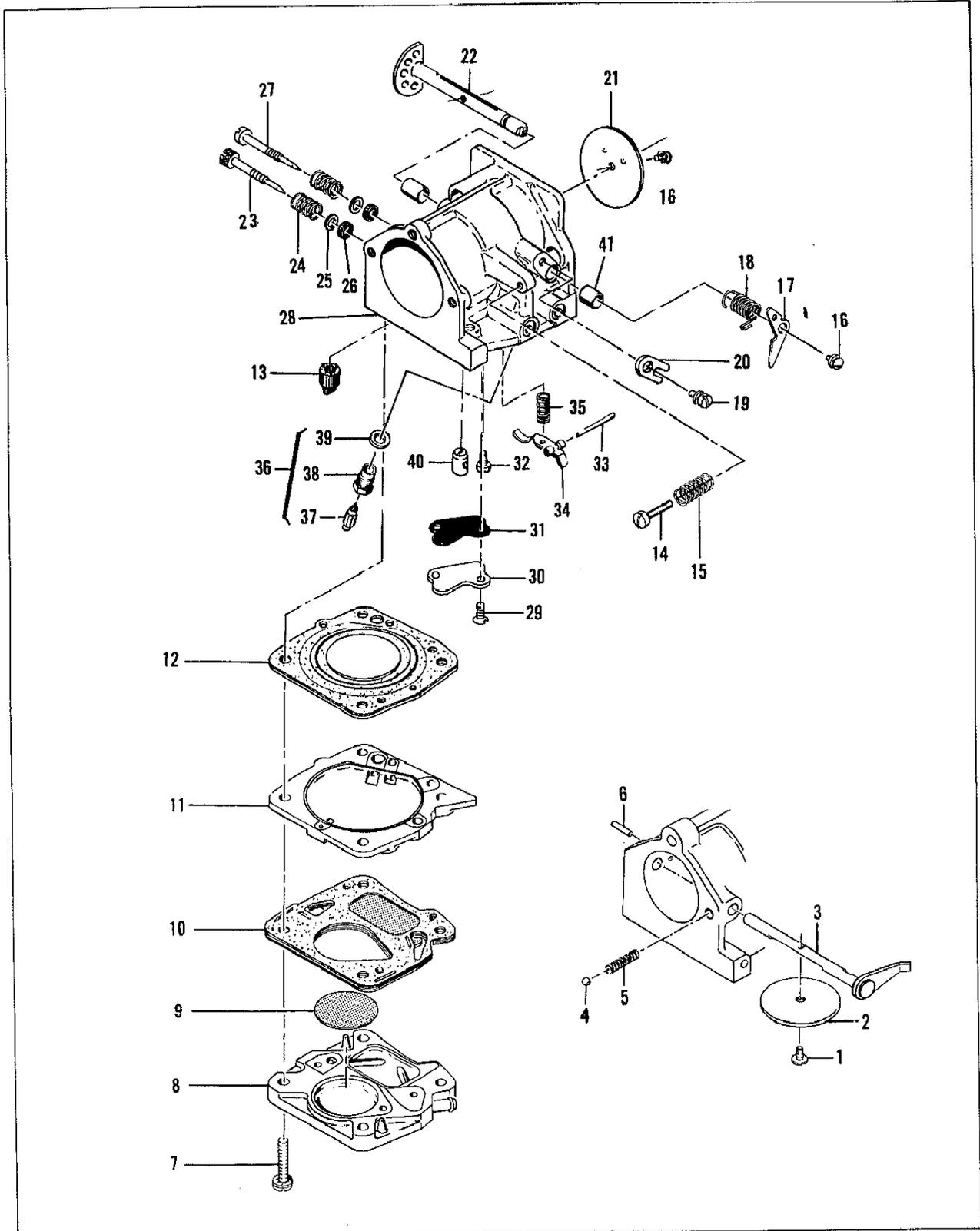


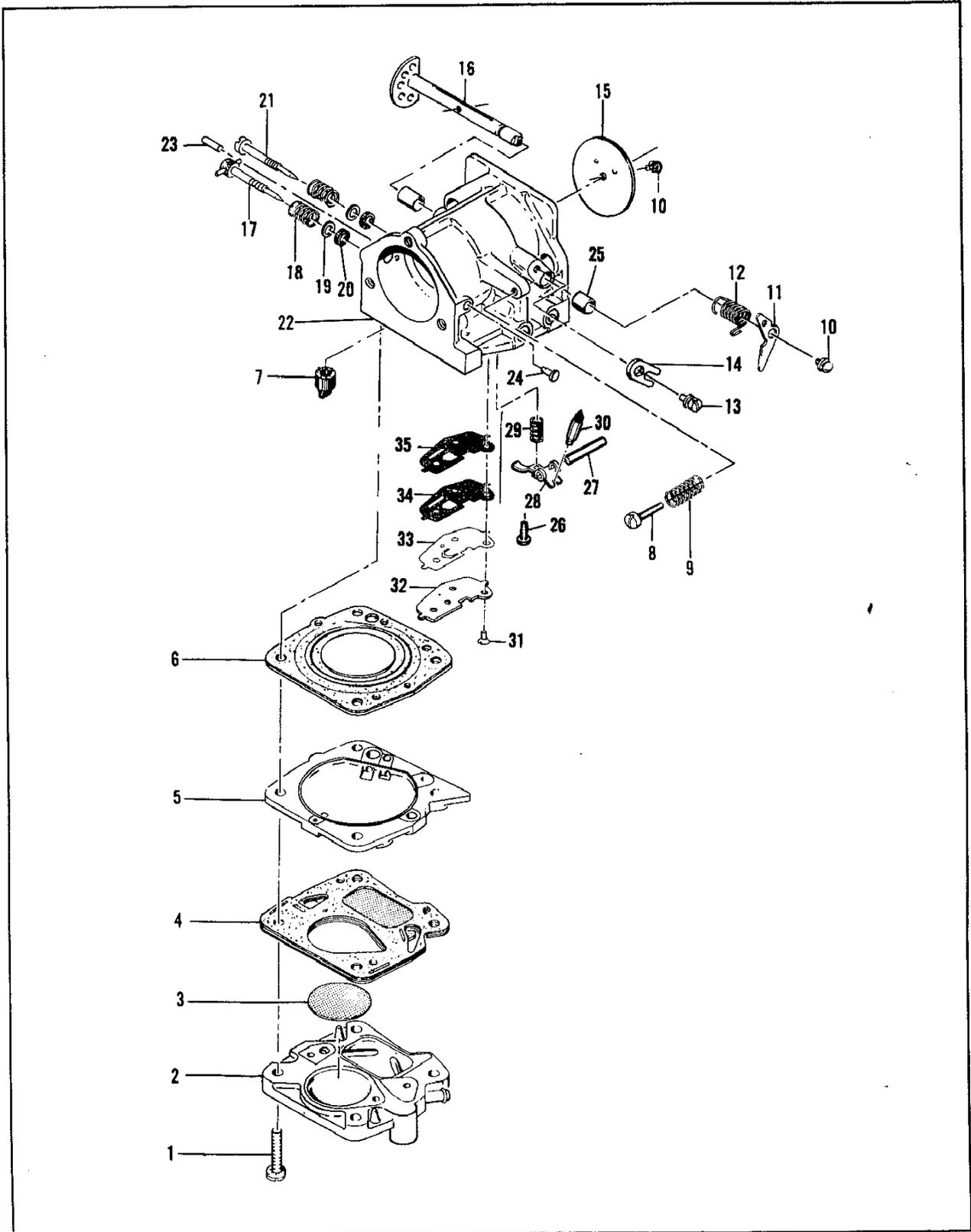
Figure 2. Carburetor Assembly

MC 101 Series

FIGURE 2. CARBURETOR ASSEMBLY

Item No.	Part Number	Description	Units Per Assy	Usable on Code															
MC 101 Series - Usable on Code																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Model</th> <th>101</th> <th>101</th> <th>101C</th> <th>101A</th> </tr> <tr> <th>Number</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> <tr> <th>Serial Numbers</th> <td>Without Prefix & 10-</td> <td>Prefixed 11-</td> <td>Prefixed 13-</td> <td>Prefixed 14-</td> </tr> </thead> </table>					Model	101	101	101C	101A	Number	A	B	C	D	Serial Numbers	Without Prefix & 10-	Prefixed 11-	Prefixed 13-	Prefixed 14-
Model	101	101	101C	101A															
Number	A	B	C	D															
Serial Numbers	Without Prefix & 10-	Prefixed 11-	Prefixed 13-	Prefixed 14-															
	68886	Carburetor Assy	1	A,B															
	82894	Carburetor Assy	1	C															
1	104814	. Screw - Pan hd 4-40 x 1/4 (SEMS)	1	C															
2	65934	. Plate - Choke	1	C															
3	82893	. Shaft Assy - Choke	1	C															
4	100071	. Ball - Choke detent	1	C															
5	52930	. Spring - Choke detent	1	C															
6	101796	. Pin - Groove	1	C															
7	104520	. Screw - Pan hd 10-24 x 7/8 (SEMS)	4	A,B,C															
8	69169	. Body - Fuel pump	1	A,B,C															
9	48911	. Filter - Fuel	1	A,B,C															
10	57274B	. Diaphragm - Fuel pump	1	A,B,C															
11	69170	. Plate - Diaphragm	1	A,B,C															
12	66092	. Diaphragm - Carburetor	1	A,B,C															
13	53766A	. Valve - Check	1	A,B,C															
14	62910	. Screw - Idle speed	1	A															
	55397	. Screw - Idle speed	1	B,C															
15	51705	. Spring - Screw	1	B,C															
16	104814	. Screw - Pan hd 4-40 x 1/4 (SEMS)	2	A,B,C															
17	50701A	. Arm - Throttle shaft	1	A,B,C															
18	65935	. Spring - Throttle return	1	A,B,C															
19	110055	. Screw - Fil hd 8-32 x 3/8 (SEMS)	1	A,B,C															
20	55082	. Clip - Shaft	1	A,B,C															
21	65934	. Plate - Throttle	1	A,B,C															
22	65932	. Shaft Assy - Throttle	1	A,B,C															
23	68893	. Needle - Main fuel	1	A,B,C															
24	52936	. Spring - Needle	2	A,B,C															
25	52937	. Washer - Packing	2	A,B,C															
26	52938	. Packing - Needle	2	A,B,C															
27	67264	. Needle - Idle fuel	1	A,B,C															
28	68907	. Body Assy - Carburetor	1	A,B															
	69812	. Body Assy - Carburetor	1	C															
29	103460	. . Screw - Fl hd 4-40 x 1/4	2	A,B,C															
30	66097	. . Cover - Capillary	1	A,B,C															
31	66098	. . Gasket - Cover	1	A,B,C															
32	104728	. . Screw - Bind hd 6-32 x 1/4	1	A,B,C															
33	104305	. . Pin - Lever	1	A,B,C															
34	55688	. . Lever - Inlet	1	A,B,C															
35	57172	. . Spring - Lever	1	A,B,C															
36	60163A	. . Set - Needle & Body	1	A,B,C															
37	63038	. . . Needle - Valve	1	A,B,C															
38	58969	. . . Body - Valve	1	A,B,C															
39	55689	. . . Washer - Valve	1	A,B,C															
40	65611	. . Valve - Check	1	A															
	68890	. . Valve - Check	1	B,C															
41	55062A	. . Bushing - Shaft	2	A,B,C															

MC 101 Series



MC 101 Series

FIGURE 3. CARBURETOR ASSEMBLY

Item No.	Part Number	Description	Units Per Assy	Usable on Code															
MC 101 Series - Usable on Code																			
<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Model</th> <th>101</th> <th>101</th> <th>101C</th> <th>101A</th> </tr> <tr> <th>Number</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> <tr> <th>Serial Numbers</th> <td>Without Prefix & 10-</td> <td>Prefixed 11-</td> <td>Prefixed 13-</td> <td>Prefixed 14-</td> </tr> </thead> </table>					Model	101	101	101C	101A	Number	A	B	C	D	Serial Numbers	Without Prefix & 10-	Prefixed 11-	Prefixed 13-	Prefixed 14-
Model	101	101	101C	101A															
Number	A	B	C	D															
Serial Numbers	Without Prefix & 10-	Prefixed 11-	Prefixed 13-	Prefixed 14-															
	84446	Carburetor Assy	1	D															
1	104520	. Screw Assy - Pan hd 10-24 x 7/8 (SEMS)	4	D															
2	84941	. Body - Fuel pump	1	D															
3	48911	. Filter - Fuel	1	D															
4	57274B	. Diaphragm Assy - Fuel pump	1	D															
5	69170	. Plate - Diaphragm	1	D															
6	66092	. Diaphragm - Carburetor	1	D															
7	53766A	. Valve - Check	1	D															
8	55397	. Screw - Idle speed	1	D															
9	51705	. Spring - Idle screw	1	D															
10	104814	. Screw - Pan hd 4-40 x 1/4 (SEMS)	2	D															
11	50701A	. Arm - Throttle shaft	1	D															
12	65935	. Spring - Throttle return	1	D															
13	110055	. Screw - Fil hd 8-32 x 3/8 (SEMS)	1	D															
14	55082	. Clip - Throttle shaft	1	D															
15	65934	. Plate - Throttle	1	D															
16	65932	. Shaft Assy - Throttle	1	D															
17	84940	. Needle Assy - High speed adjustment	1	D															
18	67502	. Spring - Needle	2	D															
19	52937	. Washer - Packing	2	D															
20	52938	. Ring - Packing	2	D															
21	84939	. Needle - Idle adjustment	1	D															
22	84947	. Body Assy - Carburetor	1	D															
23	101796	. . Pin - Choke plate	1	D															
24	48827	. . Plug - Choke shaft bore	2	D															
25	55062A	. . Bushing - Body	2	D															
26	104728	. Screw - Lever pin	1	D															
27	104305	. Pin - Lever	1	D															
28	84317	. Lever - Inlet	1	D															
29	57172	. Spring - Lever	1	D															
30	83753	. Needle - Inlet valve	1	D															
31	84942	. Screw - Circuit plate	3	D															
32	84938	. Plate - Circuit	1	D															
33	84944	. Diaphragm - Check valve	1	D															
34	84945	. Gasket - Circuit plate	1	D															
35	84946	. Gasket - Circuit plate	1	D															

MC 101 Series

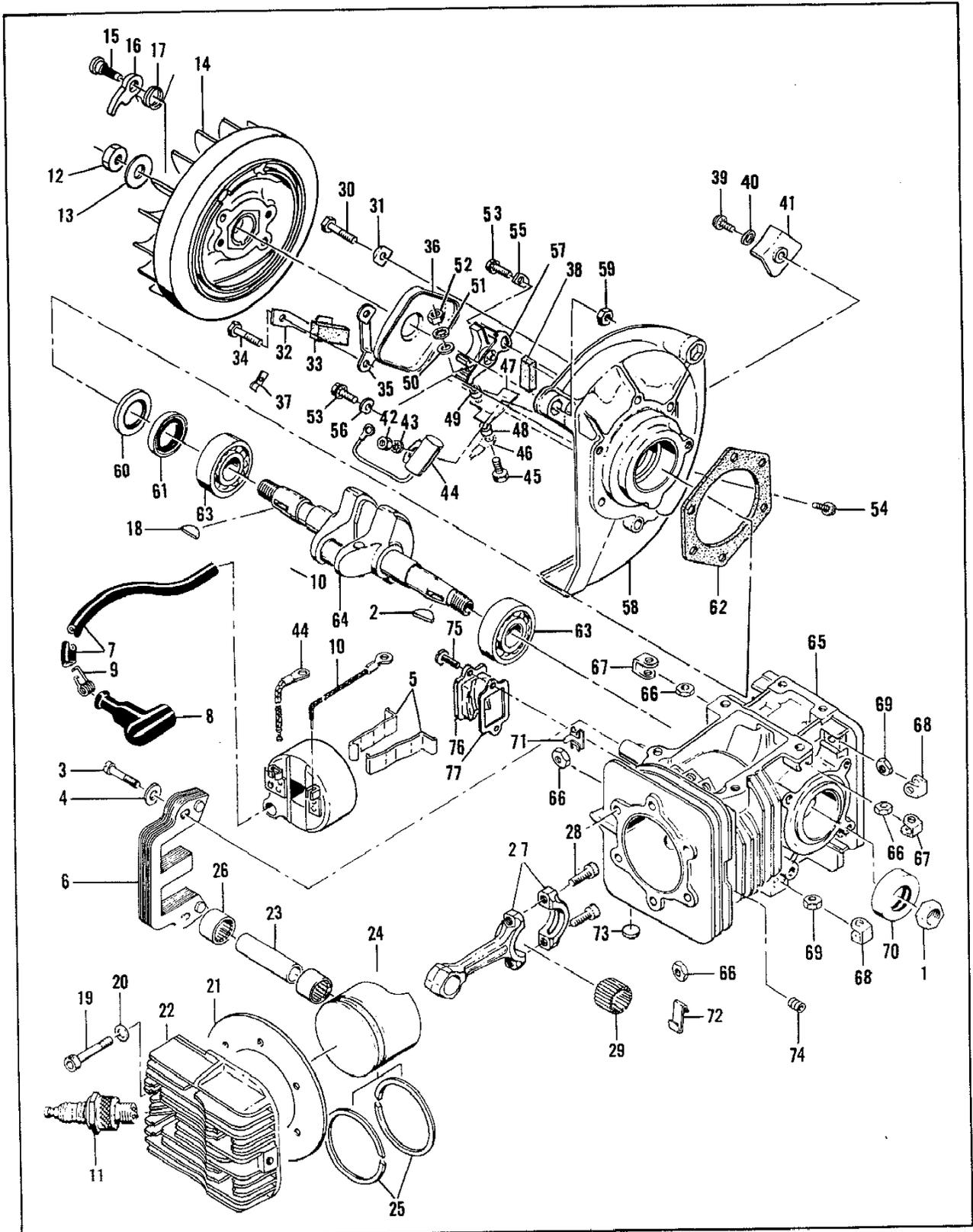


Figure 4. Powerhead Assembly

FIGURE 3. POWERHEAD ASSEMBLY

Item No.	Part Number	Description	Units Per Assy	Usable on Code															
MC 101 Series - Usable on Code																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Model</th> <th style="width: 15%;">101</th> <th style="width: 15%;">101</th> <th style="width: 15%;">101C</th> <th style="width: 15%;">101A</th> </tr> <tr> <th>Number</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> <tr> <th>Serial Numbers</th> <td>Without Prefix & 10-</td> <td>Prefixed 11-</td> <td>Prefixed 13-</td> <td>Prefixed 14-</td> </tr> </thead> </table>					Model	101	101	101C	101A	Number	A	B	C	D	Serial Numbers	Without Prefix & 10-	Prefixed 11-	Prefixed 13-	Prefixed 14-
Model	101	101	101C	101A															
Number	A	B	C	D															
Serial Numbers	Without Prefix & 10-	Prefixed 11-	Prefixed 13-	Prefixed 14-															
1	103746	Nut - Hex 3/8-24	1	All															
2	103879	Key - Woodruff	1	All															
3	104815	Screw - Hex hd 10-24 x 7/8 (SEMS)	2	All															
4	100352	Washer - #10	2	All															
5	51253	Retainer - Coil	2	All															
6	51251	Lamination Assy - Coil	1	All															
	57643A	Kit - Coil	1	All															
7	50120	Wire Assy - Spark plug	1	All															
8	55060	Boot	1	All															
9	55061	Connector	1	All															
10	101883	Wire Assy - Ground	1	All															
11	83563	Spark Plug - 14 mm 0.375 in. reach	1	A,B,C															
	84536	Spark Plug - 14 mm 0.472 in. reach	1	D															
12	101179	Nut - Hex 7/16-20	1	All															
13	101270	Washer - 7/16	1	All															
14	68281	Flywheel Assy	1	A,B,D															
	68282	Flywheel & Pawl Assy	1	C															
15	36144B	Pin - Starter pawl	2	C															
16	24093	Pawl - Starter	2	C															
17	50582	Spring - Pawl	2	C															
18	103879	Key - Woodruff	1	All															
19	47905	Screw - Skt hd 10-24 x 1-15/32	6	All															
20	24236	Washer - Special	6	All															
21	69760	Gasket - Cylinder head	1	C															
	66038	Gasket - Cylinder head	1	A,B															
	84459	Gasket - Cylinder head (copper, no hole pattern)	1	D															
22	66023	Head - Cylinder	1	A,B,C															
	84309	Head - Cylinder	1	D															
23	66034	Pin - Piston	1	A,B,C															
	69408	Pin - Piston	1	D															
24	67089	Piston Assy	1	A,B,C															
	84469	Piston Assy	1	D															
25	47865	Ring Set - Piston	1	All															
26	110107	Bearing - Needle	2	A,B,C															
	104519	Bearing - Needle	2	D															
27	66049	Connecting Rod Assy	1	A,B,C															
	69250	Connecting Rod Assy	1	D															
28	47819A	Screw - Skt hd special	2	All															
29	69891	Roller - Needle	24	A,B,C															
	69891	Roller - Needle	24	D															
30	102763	Screw - Hex hd 10-24 x 3/4	2	All															
31	36388	Lockplate	1	All															
32	57815	Strap - Seal	1	All															
33	50664	Seal - Breaker box drain	1	All															
34	102763	Screw - Hex hd 10-24 x 3/4	4	All															
35	55977	Clip - Breaker box cover	2	All															
36	55766B	Cover & Gasket Assy - Breaker box	1	All															
37	104230	Speednut	1	All															
38	54184	Wiper - Felt	1	All															
39	110055	Screw - Fil hd 8-32 x 3/8 (SEMS)	1	All															
40	100080	Washer - #8	1	All															
41	57829	Clamp - Ignition wire	1	All															
42	100251	Nut - Hex 8-32	1	All															
43	100057	Lockwasher - #8	1	All															

MC 101 Series

FIGURE 4. POWERHEAD ASSEMBLY (CONT.)

Item No.	Part Number	Description	Units Per Assy	Usable on Code
44	50074	Condenser	1	All
45	110338	Screw - Hex hd 8-32 x 9/16	1	All
46	57766	Wire Assy - Primary	1	All
47	55782A	Insulator - Wire	1	All
48	57769	Insulator - Screw	1	All
49	57770A	Insulator - Breaker spring	1	All
50	100080	Washer - #8	1	All
51	104553	Lockwasher - #8	1	All
52	104551	Nut - Hex 8-32	1	All
53	104733	Screw - Flt hd 8-32 x 1/2 (SEMS)	2	All
54	103748	Screw - Hex hd 8-32 x 1/2	1	All
55	57767A	Lockplate	1	All
56	55778E	Washer - Breaker retainer	1	All
57	57765B	Breaker Assy	1	All
58	47816A	Cover Assy - Crankcase	1	A, B, C
	84193	Cover Assy - Crankcase	1	D
59	101326	. Nut - Hex 10-24	1	All
60	57898	. Seal - Oil	1	All
61	57897	. Seal - Oil	1	All
62	51240	Gasket - Cover	1	A, B, C
63	66016	Bearing - Ball	2	All
64	69346	Crankshaft	1	All
65	66019	Crankcase Assy	1	A, B, C
	84534	Crankcase Assy	1	D
66	101326	. Nut - Hex 10-24	8	All
67	28053	. Retainer - Nut	2	All
68	18556A	. Retainer - Nut	6	All
69	101143	. Nut - Hex 1/4-20	6	All
70	104432	. Seal - Oil	1	All
71	104255	. Retainer - Nut	2	All
72	57063	. Retainer - Nut	4	All
73	110340	. Plug - Expansion	3	All
74	83374	. Insert - Taplok	2	A, B, C
75	110196	Screw - Pan hd 8-32 x 7/16 s/t	1	A, B, C
76	65917	Cover - Boost port	1	A, B, C
77	68924	Gasket - Cover	1	A, B, C

MC 101 Series

ACCESSORIES

Part Number	Description	Usable on Code															
MC 101 Series - Usable on Code																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Model</th> <th>101</th> <th>101</th> <th>101C</th> <th>101A</th> </tr> <tr> <th>Number</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> <tr> <th>Serial Numbers</th> <td>Without Prefix & 10-</td> <td>Prefixed 11-</td> <td>Prefixed 13-</td> <td>Prefixed 14-</td> </tr> </thead> </table>	Model	101	101	101C	101A	Number	A	B	C	D	Serial Numbers	Without Prefix & 10-	Prefixed 11-	Prefixed 13-	Prefixed 14-	
Model	101	101	101C	101A													
Number	A	B	C	D													
Serial Numbers	Without Prefix & 10-	Prefixed 11-	Prefixed 13-	Prefixed 14-													
67091	Piston Assy 0.010 in. oversize	A,B,C															
84470	Piston Assy 0.010 in. oversize	D															
66048	. Ring Set 0.010 in. oversize	All															
67092	Piston Assy 0.020 in. oversize	A,B,C															
84473	Piston Assy 0.020 in. oversize	D															
66047	. Ring Set 0.020 in. oversize	All															
67093	Piston Assy 0.030 in. oversize	A,B,C															
84474	Piston Assy 0.030 in. oversize	D															
66045	. Ring Set 0.030 in. oversize	All															
84476	Piston Assy 0.050 in. oversize	D															
69469	. Ring Set 0.050 in. oversize	D															
83209	Kit - Piston tool	D															
84493	Kit - Rewind starter	D															
83207	Kit - Piston tool	A,B,C															
84760	Kit - Choke Installation	D															
48711D	Kit - Rewind starter	A,B,C															
13639A	Kit - Clutch, Drum, Sprocket Bearing Assy - 10 tooth	All															
13638A	Kit - Clutch, Drum, Sprocket, Bearing Assy - 11 tooth	All															
13637A	Kit - Clutch, Drum, Sprocket, Bearing Assy - 12 tooth	All															
48736A	Drum, Sprocket, Bearing Assy - 10 tooth	All															
48734A	Drum, Sprocket, Bearing Assy - 11 tooth	All															
48714A	Drum, Sprocket, Bearing Assy - 12 tooth	All															
48637	Sprocket - 10 tooth	All															
48638	Sprocket - 11 tooth	All															
48639	Sprocket - 12 tooth	All															
60315	Clutch Assy	All															
13553	Header - Exhaust	All															
65712	Guide - Timing	All															
48609	Header - Exhaust	All															
47908	Kit - Muffler	All															
48662	Kit - Mounting studs	All															
68959	Kit - Vertical tuned exhaust	All															
68960	Kit - Horizontal tuned exhaust	All															
66409	Kit - Hi capacity needle and valve	All															
68256	Kit - Split bearing retainer	All															
66793	Decal - Kart McCulloch Powered	All															
66794	Emblem - Kart McCulloch	All															
65946	Manual - Owners	All															

Illustrated Parts List, P/N 84478, supersedes and cancels all previous lists issued for MC 101 Series kart engines. Discard the following lists:

IPL 66042 and

Parts List Sheet 66157 covering engines without serial number prefix and engines with serial numbers prefixed 10-.

Addendum 69814 covering engines with serial numbers prefixed 13-.

IPL 68910 covering engines with serial numbers prefixed 11-.

ENGINES & PARTS

MC101B Kart Engine

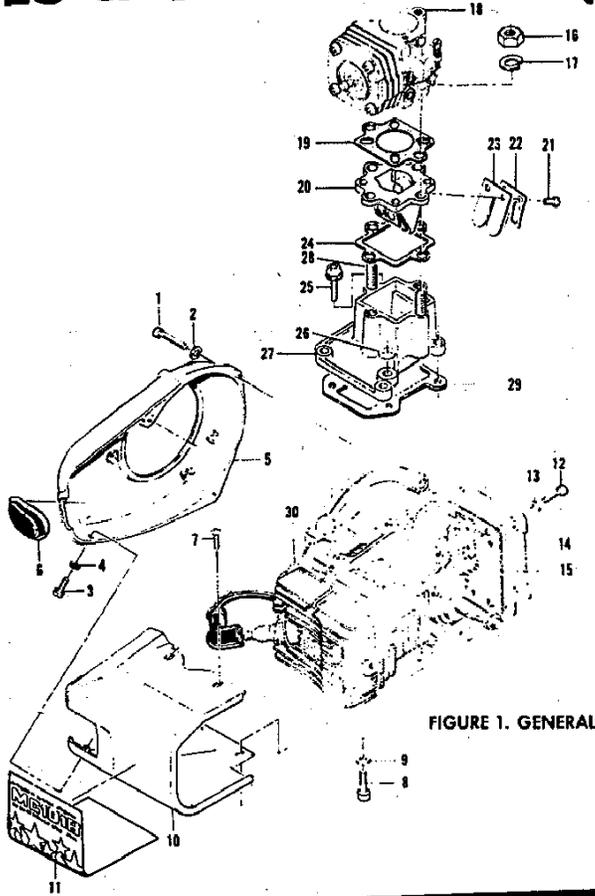


FIGURE 1. GENERAL

Item No.	Part Number	Description	Units Per Assy.
1	104534	Screw-Skt Hd 10-24x1	3
2	24236	Washer - Special	3
3	104849	Screw - Skt Hd 10-24x1/2	1
4	100002	Washer - # 10	1
5	91001	Housing - Fan	1
6	86387	Cover Assy-Spark Plug	1
7	104849	Screw - Skt hd 10-24x1/2	1
8	100743	Screw-Skt hd 1/4-20x5/8	2
9	100005	Washer - 1/4	2
10	91003	Shroud - Cylinder	1
11	91004	Nameplate	1
12	105187	Screw-Skt hd 1/4-20x1-1/8	4
13	13643	Washer - Special	4
14	47803	Cover-Crankcase bottom	1
15	65654	Gasket - Cover	1
16	100248	Nut - Hex 1/4-28	2
17	100153	Lockwasher-1/4	2
18		Carburetor Assy (See Figure 2)	
19	65939	Gasket - Carburetor	1
20	68091	Valve Assy - Reed	1
21	101987	Screw-Rd hd 6-32x1/4	4
22	65904	Plate - Clamp	2
23	68074	Valve - Reed	2
24	68894	Gasket - Reed valve	1
25	110439	Screw-Skt hd 10-24x1	4
26	103744	Washer - Sealing	1
27	68889	Adaptor Assy-Carb	1
28	47868	Stud - Adapter	2
29	69526	Gasket - Adapter	1
30		Powerhead Assy (See Figure 3)	

Item No.	Part Number	Description	Units Per Assy.
1	88845	Carburetor Assy	1
2	91212	Screw-Skt hd 10-24x1-1/2	4
3	8516	Cover Assy-Fuelpump	1
4	8516	Gasket-Fuel inlet	1
5	8516	Screen-Filter	1
6	8517	Plate-Filter	1
7	85170	Diaphragm-Check valve	1
8	85167	Gasket-Fuelpump Ck. valve	1
9	85180	Plate-Fuel pump	1
10	85171	Diaphragm-Fuel pump	1
11	85168	Gasket-Fuel pump	1
12	85181	Plate-Metering Diaph.	1
13	89888	Diaphragm-Metering	1
14	53766A	Valve-Check	1
15	55397	Screw-Idle speed	1
16	51705	Spring-Idle screw	1
17	104814	Screw-Pan hd 4-40x1/4 (SEMS)	2
18	50701A	Arm-Throttle shaft	1
19	65935	Spring-Throttle action	1
20	110055	Screw-Fil hd 8-32x3/8 (SEMS)	1
21	55082	Clip-Throttle shaft	1
22	65934	Plate-Throttle	1
23	65932	Shaft Assy-Throttle	1
24	87876	Needle-High Speed	1
25	67502	Spring-Needle	2
26	52937	Washer-Packing	2
27	52938	Ring-Packing	2
28	84939	Needle-Idle	1
29	55062A	Bushing-Body	2
30	104728	Screw-Lever pin	1
31	104305	Pin-Lever	1
32	85059	Lever Assy-Inlet	1
33	87874	Spring-Lever	1
34	87875	Needle-Inlet lever	1
35	84942	Screw-Circuit Plate	3
36	87873	Plate-Circuit	1
37	84944	Diaphragm-Check valve	1
38	84946	Gasket-Circuit plate	2
39			

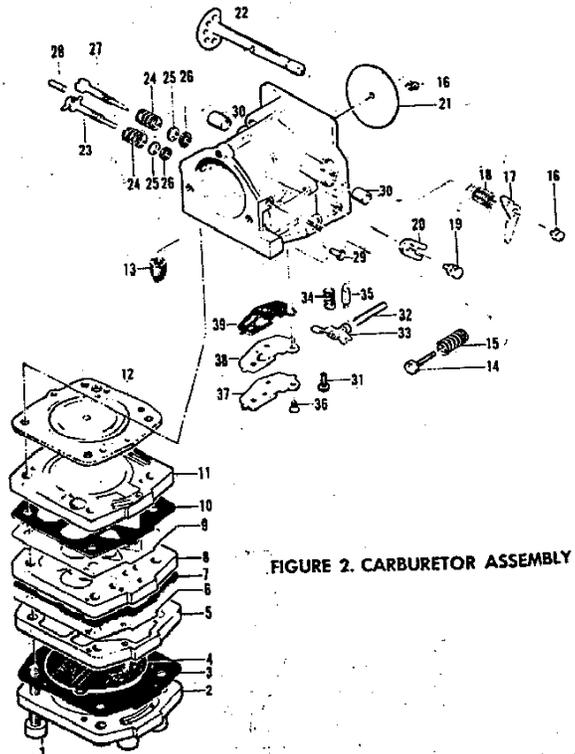


FIGURE 2. CARBURETOR ASSEMBLY

MC10

Figure 3. Powerhead Assembly

Item No.	Part Number	Description	Units Per Assy
34	100080	Washer - #8	1
35	57829	Clamp - Ignition wire	1
36	100251	Nut - Hex 8-32	1
37	100057	Lockwasher - #8	1
38	85358	Condenser	1
39	110338	Screw - Hex hd 8-32 x 9/16	1
40	55782A	Insulator - Wire	1
41	57769	Insulator - Screw	1
42	57700A	Insulator - Spring	1
43	100080	Washer - #8	1
44	104553	Lockwasher - #8	1
45	104551	Nut - Hex 8-32	1
46	104733	Screw - Fill hd 8-32 x 1/2 (SEMS)	2
47	103748	Screw - Hex hd 8-32 x 1/2	1
48	57767A	Lockplate	1
49	5378E	Washer - Breaker retainer	1
50	88907	Breaker Assy	1
51	84193	Cover Assy - Crankcase	1
52	101326	Nut - Hex 10-24	3
53	57898	Seal - Oil	1
54	57897	Seal - Oil	1
55	110883	Bearing - Ball	2
56	69346	Crankshaft	1
57	84534	Crankcase Assy	1
58	101326	Nut - Hex 10-24	8
59	28053	Retainer - Nut	2
60	18558A	Retainer - Nut	6
61	101143	Nut - Hex 1/4-20	1
62	104432	Seal - Oil	1
63	104255	Retainer - Nut	2
64	57063	Retainer - Nut	4
65	110685	Plug - Cup	3
66	83374	Insert - Taplok	2
67	83379	Gasket - Muller	1
68	84469	Gasket - Head	1

Item No.	Part Number	Description	Units Per Assy
1	86113	Nut - Hex 3 8-24 (L.H.)	1
2	110733	Screw - Skt hd 10-24 x 7 8	2
3	83745	Washer - Special	2
4	86131	Wire Assy - Kill switch	1
5	86413	Coil & Lamination Assy	1
6	50120	Wire Assy - Spark plug	1
7	55060	Bracket	1
8	55061	Connector	1
9	101883	Wire Assy - Ground	1
10	57766	Wire Assy - Primary	1
11	84536	Spark Plug - 14mm 0.472 in. reach	1
12	110655	Nut - Hex 7/16-20	1
13	68281	Flywheel Assy	1
14	103879	Key - Woodruff	1
15	47805	Screw - Skt hd 10-24 x 1-15/32	1
16	24236	Washer - Special	6
17	89743	Head - Cylinder	6
18	69408	Pin - Piston	1
19	84469	Piston Assy	1
20	104519	Bearing - Needle	2
21	47865	Ring Set - Piston	2
22	86415	Connecting Rod Assy	1
23	110720	Screw - Splined hd special	2
24	69891	Roller - Needle	24
25	110713	Screw - Skt hd 10-24 x 3/4	6
26	24236	Washer - Special	6
27	57815	Strap - Seal	1
28	50864	Seal - Breaker box	1
29	55977	Clip - Breaker box cover	2
30	55766	Cover & Gasket Assy - Breaker box	1
31	104230	Speednut	1
32	54184	Wiper - Felt	1
33	110055	Screw - Fill hd 8-32 x 3/8 (SEMS)	1

Accessories

Part Number	Description
90391	Connecting Rod Assy - Peened
85205	Manual - Owner's
84470	Piston Assy - 2, 290
84473	Piston Assy - 2, 300
84474	Piston Assy - 2, 310
84476	Piston Assy - 2, 330
66048	Ring Set - Piston 2, 290 chrome
66047	Ring Set - Piston 2, 300 chrome
69469	Ring Set - Piston 2, 310 chrome
85608	Ring Set - Piston 2, 290 steel
85609	Ring Set - Piston 2, 290 steel
85610	Ring Set - Piston 2, 300 steel
85611	Ring Set - Piston 2, 310 steel
89145	Ring Set - Piston 2, 330 steel

Part Number	Description
83209	Kit - Piston tool
84493	Kit - Rewind starter
86356	Kit - Choke
85183	Kit - Hi capacity pump
88845	Kit - Alcohol carburetor
88820	Clutch Assembly
86419	Guide - Timing
85583	Key - Splined socket
85584	Socket - Extension
84498	Head - High compression
88137	Mainfold Assy - Sloper

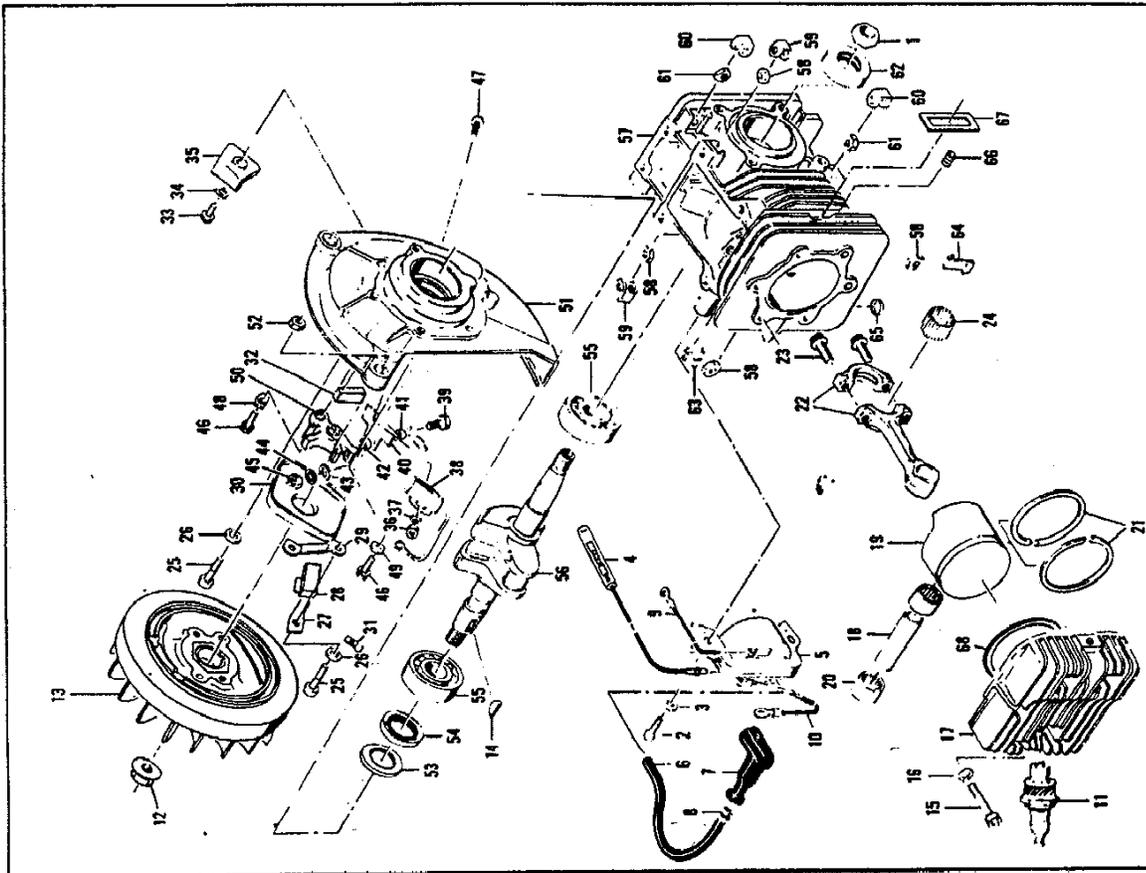


FIGURE 3. POWERHEAD ASSEMBLY

MC101E

The MC101B Engine is no longer available.
 However, Griffith has most of the parts listed in this catalog.

MC101B Kart Engine

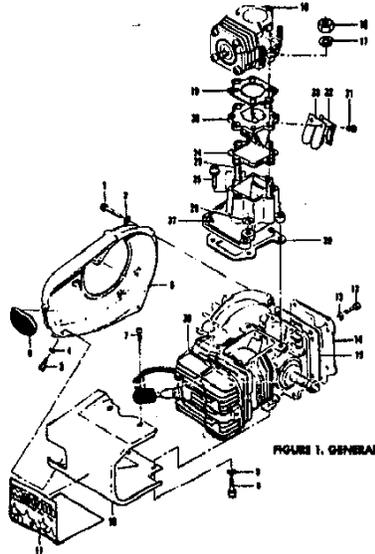


FIGURE 1. GENERAL

Item No.	Part Number	Description	Units Per Assy
1	104534	Screw - Skt hd 10-24 x 1	3
2	24236	Washer - Special	3
3	104840	Screw - Skt hd 10-24 x 1/2	1
4	100002	Washer - #10	1
5	91001	Housing - Fan	1
6	86387	Cover Assy - Spark plug	1
7	104849	Screw - Skt hd 10-24 x 1/2	1
8	100743	Screw - Skt hd 1/4-20 x 5/8	2
9	100005	Washer - 1/4	2
10	91003	Shroud - Cylinder	1
11	91004	Nameplate	1
12	105187	Screw - Skt hd 1/4-20 x 1-1/8	4
13	13643	Washer - Special	4
14	47803	Cover - Crankcase bottom	1
15	65854	Gasket - Cover	1
16	100248	Nut - Hex 1/4-28	2
17	100153	Lockwasher - 1/4	2
18		Carburetor Assy (See Figure 2)	
19	65939	Gasket - Carburetor	1
20	68091	Valve Assy - Reed	1
21	101987	Screw - Rd hd 8-32 x 1/4	4
22	65904	Plate - Clamp	2
23	68074	Valve - Reed	2
24	68894	Gasket - Reed valve	1
25	110439	Screw - Skt hd 10-24 x 1	4
26	103744	Washer - Sealing	1
27	68889	Adaptor Assy - Carburetor	1
28	47868	Slud - Adaptor	2
29	68526	Gasket - Adaptor	1
30		Powerhead Assy (See Figure 3)	

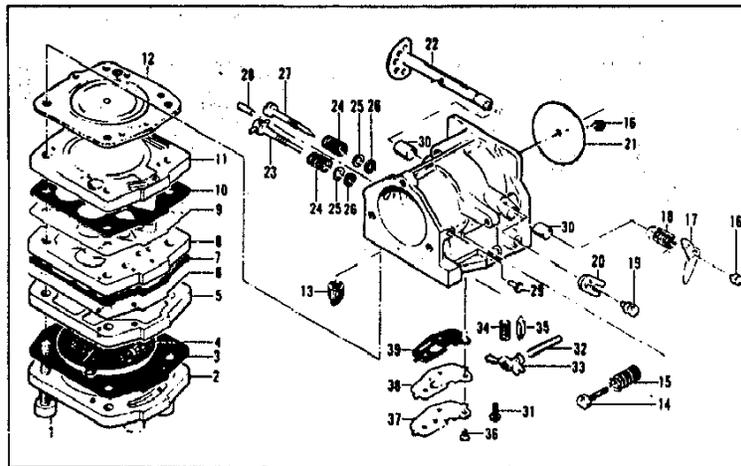


FIGURE 2. CARBURETOR ASSEMBLY

Item No.	Part Number	Description	Units Per Assy	Item No.	Part Number	Description	Units Per Assy
1	88646	Carburetor Assy	1	19	110055	Screw - Fil hd 8-32 x 3/8 (SEMS)	1
2	91212	Screw - Skt hd 10-24 x 1-1/2	4	20	55082	Clip - Throttle shaft	1
3	85183	Cover Assy - Fuel pump	1	21	65934	Plate - Throttle	1
4	85186	Gasket - Fuel inlet	1	22	65932	Shaft Assy - Throttle	1
5	85178	Screen - Filler	1	23	87876	Needle - High speed	1
6	85179	Plate - Filler	1	24	67502	Spring - Needle	2
7	85170	Diaphragm - Check valve	1	25	52937	Washer - Packing	2
8	85187	Gasket - Fuel pump check valve	1	26	52938	Ring - Packing	2
9	85180	Plate - Fuel pump	1	27	84939	Needle - Idle	2
10	85171	Diaphragm - Fuel pump	1	30	55062A	Bushing - Body	1
11	85168	Gasket - Fuel pump	1	31	104728	Screw - Lever pin	1
12	85181	Plate - Metering diaphragm	1	32	104305	Pin - Lever	1
13	89888	Diaphragm - Metering	1	33	85059	Lever Assy - Inlet	1
14	53766A	Valve - Check	1	34	87874	Spring - Lever	1
15	55397	Screw - Idle speed	1	35	87875	Needle - Inlet lever	1
16	51705	Spring - Idle screw	1	36	84942	Screw - Circuit plate	3
17	104814	Screw - Pan hd 4-40 x 1/4 (SEMS)	2	37	87873	Plate - Circuit	1
18	50701A	Arm - Throttle shaft	1	38	84943	Diaphragm - Check valve	1
	65935	Spring - Throttle action	1	39	84944	Gasket - Circuit plate	2
					85183	Kit - Fuel pump	

MC101B

Figure 3. Powerhead Assembly

Item No.	Part Number	Description	Units Per Assy
34	100080	Washer - #8	1
35	57829	Clamp - Ignition wire	1
36	100251	Nut - Hex 8-32	1
37	100057	Lockwasher - #6	1
38	85358	Condenser	1
39	110138	Screw - Hex hd 8-32 x 9/16	1
40	55782A	Insulator - Wire	1
41	57769	Insulator - Screw	1
42	57770A	Insulator - Spring	1
43	100080	Washer - #6	1
44	104553	Lockwasher - #8	1
45	104551	Nut - Hex 8-32	1
46	104733	Screw - Fil hd 8-32 x 1/2 (SEMS)	2
47	103748	Screw - Hex hd 8-32 x 1/2	1
48	57767A	Lockplate	1
49	55778E	Washer - Breaker retainer	1
50	88807	Breaker Assy - Crankcase	1
51	84193	Cover Assy - Crankcase	1
52	101326	Nut - Hex 10-24	3
53	57898	Seal - Oil	1
54	57897	Seal - Oil	1
55	110883	Bearing - Ball	2
56	69346	Crankshaft	1
57	84534	Crankcase Assy	1
58	101326	Nut - Hex 10-24	8
59	28053	Retainer - Nut	2
60	18536A	Retainer - Nut	2
61	101143	Nut - Hex 3/4-20	6
62	104432	Seal - Oil	1
63	104255	Retainer - Nut	2
64	57063	Retainer - Nut	4
65	110685	Plug - Cup	3
66	83374	Insert - Taplok	2
67	83379	Gasket - Muffler	1
68	84469	Gasket - Head	1

Item No.	Part Number	Description	Units Per Assy
1	86113	Nut - Hex 3 8-24 (L.H.)	1
2	110713	Screw - Slt hd 10-24 x 7 8	2
3	83745	Washer - Special	2
4	86131	Wire Assy - Kill switch	1
5	86413	Coil & Lamination Assy	1
6	50120	Wire Assy - Spark plug	1
7	55060	Book	1
8	55061	Connector	1
9	101883	Wire Assy - Ground	1
10	57766	Wire Assy - Primary	1
11	84536	Spark Plug - 14mm 0.472 in. reach	1
12	110655	Nut - Hex 7/16-20	1
13	68281	Flywheel Assy	1
14	103879	Key - Woodruff	1
15	47905	Screw - Slt hd 10-24 x 1-15/32	6
16	24236	Washer - Special	6
17	89743	Head Cylinder	1
18	69408	Pin - Piston	1
19	84469	Piston Assy	1
20	104519	Bearing - Needle	2
21	47865	Ring Set - Piston	2
22	86415	Connecting Rod Assy - special	1
23	110720	Screw - Spine hd	2
24	69891	Roller - Needle	24
25	110713	Screw - Slt hd 10-24 x 3/4	6
26	24236	Washer - Special	6
27	57815	Strap - Seal	1
28	50664	Seal - Breaker box	1
29	55977	Clip - Breaker box cover	2
30	55786	Cover & Gasket Assy - Breaker box	1
31	104230	Speednut	1
32	54184	Wiper - Felt	1
33	110055	Screw - Fil hd 8-32 x 3/8 (SEMS)	1

Accessories

Part Number	Description
83209	Kit - Piston tool
84493	Kit - Rewind starter
86356	Kit - Choke
85183	Kit - Hi capacity pump
88845	Kit - Alcohol carburetor
88820	Clutch Assembly
86419	Guide - Timing
85583	Key - Splined socket
85584	Socket - Extension
84498	Head - High compression
88137	Manifold Assy - Sloper

Part Number	Description
90391	Connecting Rod Assy - Peened
85205	Manual - Owner's
84470	Piston Assy - 2.290
84473	Piston Assy - 2.300
84474	Piston Assy - 2.310
84476	Piston Assy - 2.330
66048	Ring Set - Piston 2.290 chrome
66047	Ring Set - Piston 2.300 chrome
66045	Ring Set - Piston 2.310 chrome
69469	Ring Set - Piston 2.330 chrome
85608	Ring Set - Piston 2.290 steel
85609	Ring Set - Piston 2.300 steel
85610	Ring Set - Piston 2.310 steel
85611	Ring Set - Piston 2.330 steel
89145	Ring Set - Piston 2.330 steel

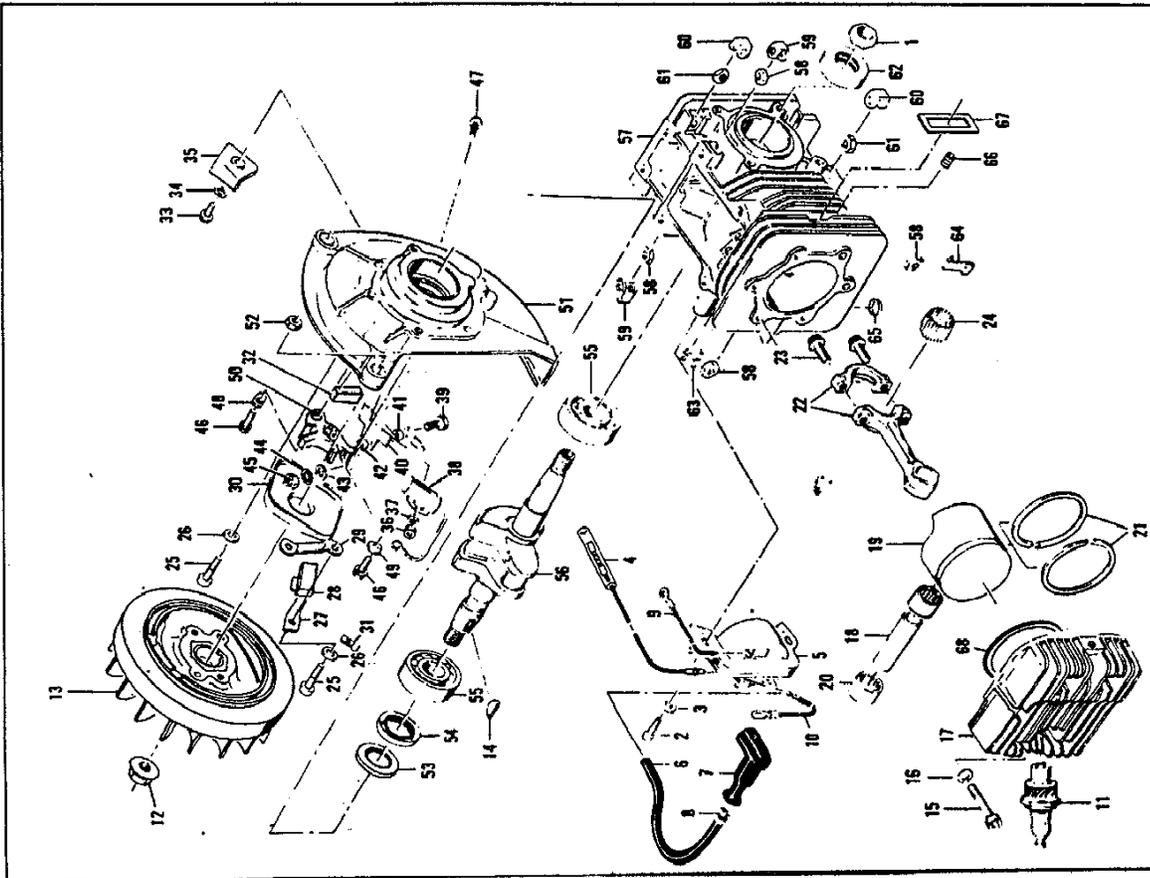


FIGURE 3. POWERHEAD ASSEMBLY

MC101B

MC101D Engine

Model 400171D, Serial Numbers prefixed 11- , 12-

ILLUSTRATED PARTS LIST

SEPTEMBER, 1973

The policy of McCulloch Corporation is one of continual improvement in design, manufacturing and engineering advancement 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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McCULLOCH

MC 101D

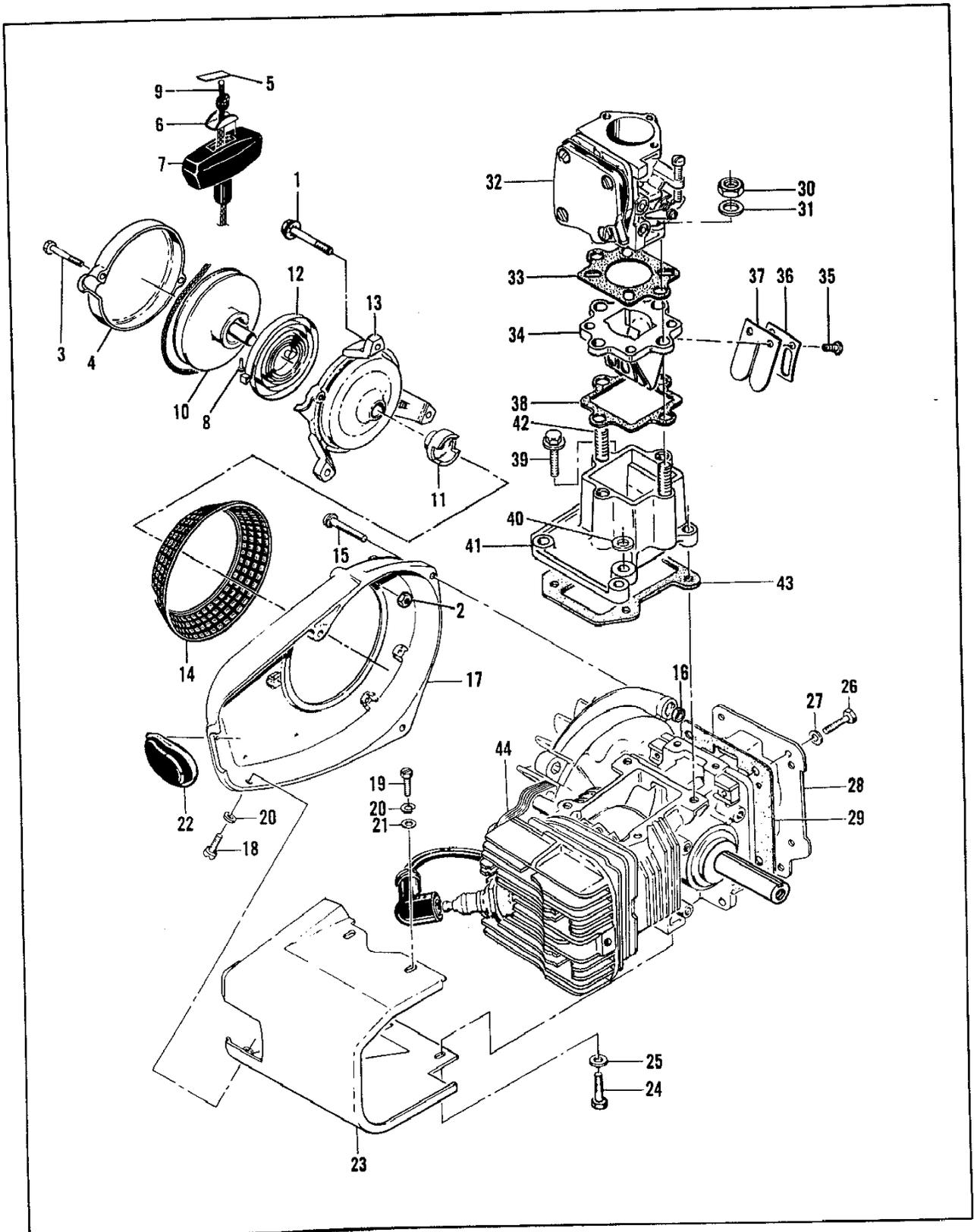


Figure 1. General

MC 101D

FIGURE 1. GENERAL

Item No.	Part Number	Description	Units Per Assy
1	104815	Screw - Hex hd 10-24 x 7/8 (SEMS)	3
2	101326	Nut - Hex 10-24	3
	85323	Starter Assy	1
3	104396	Screw - Pan hd 10-24 x 3/4	2
4	60647	Cover - Starter	1
5	57232	Plate - Starter handle	1
6	57231	Cup - Starter handle	1
7	57230	Handle - Starter	1
8	101136	Rivet - Rope	1
9	28716	Rope - Starter	1
10	57792	Drum - Starter	1
11	84177	Ratchet - Starter	1
12	51665	Spring - Rewind	1
13	84212	Base - Starter	1
14	84629	Guard - Flywheel	1
15	104816	Screw - Hex hd 10-24 x 1-1/4 (SEMS)	3
16	101326	Nut - Hex 10-24	2
17	86241	Fan Housing	1
18	102500	Screw - Pan hd 10-24 x 1/2	1
19	102762	Screw - Hex hd 10-24 x 1/2	1
20	101194	Lockwasher - #10	3
21	100002	Washer - #10	3
22	86387	Cover Assy - Spark plug	1

Item No.	Part Number	Description	Units Per Assy
23	47904	Shroud - Cylinder	1
24	102861	Screw - Hex hd 1/4-20 x 5/8	2
25	100005	Washer - 1/4	2
26	105187	Screw - Hex hd 1/4-20 x 1	4
27	13843	Washer - Special	4
28	47803	Cover - Crankcase bottom	1
29	65654	Gasket - Cover	1
30	100248	Nut - Hex 1/4-28	2
31	100153	Lockwasher - 1/4	2
32		Carburetor (See Figure 2)	
33	65939	Gasket - Carburetor	1
34	68091	Valve Assy - Reed	1
35	101987	Screw - Rd hd 6-32 x 1/4	4
36	65904	Plate - Clamp	2
37	68074	Valve - Reed	2
38	68894	Gasket - Reed valve	1
39	103947	Screw - Hex hd 10-24 x 1 (SEMS)	4
40	103744	Washer - Sealing	1
41	68889	Manifold Assy - Carburetor	1
42	47868	Stud - Manifold	2
43	69526	Gasket - Manifold	1
44		Powerhead (See Figure 3)	

MC 101D

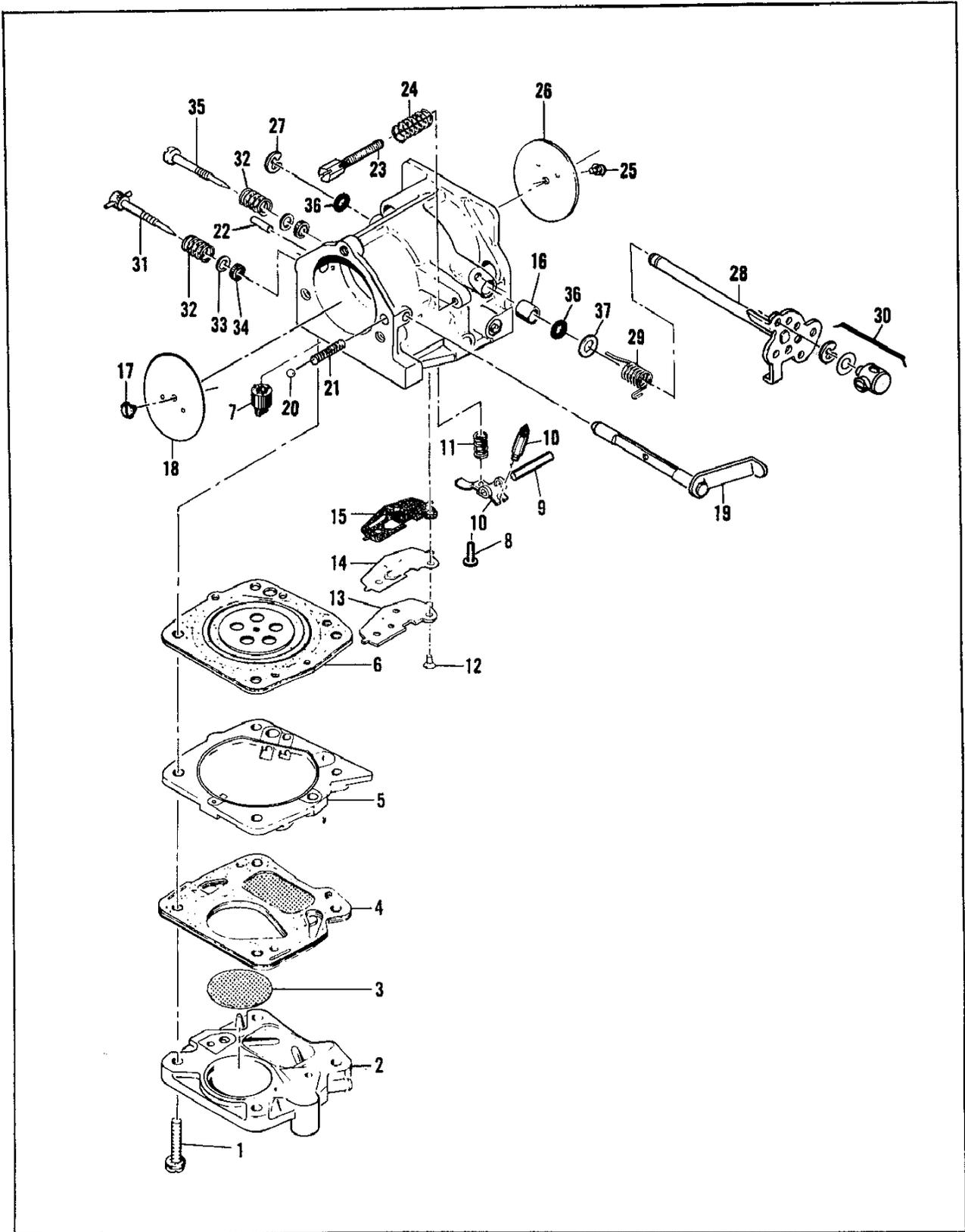


Figure 2. Carburetor Assembly

MC 101D**FIGURE 2. CARBURETOR ASSEMBLY**

Item No.	Part Number	Description	Units Per Assy
	89664	Carburetor Assy	1
1	104520	. Screw - Pan hd 10-24 x 7/8 (SEMS)	4
2	84941	. Body - Fuel pump	1
3	48941	. Filter - Fuel	1
4	57274B	. Diaphragm - Fuel pump	1
5	89657	. Plate - Diaphragm	1
6	89888	. Diaphragm - Metering	1
7	53766A	. Valve - Check	1
8	104728	. Screw - Lever pin	1
9	104305	. Pin - Lever	1
10	85059	. Inlet Lever and Needle Kit	1
11	57172	. Spring - Lever	1
12	84942	. Screw - Circuit plate	3
13	84938	. Plate - Circuit	1
14	84944	. Diaphragm	1
15	88843	. Gasket - Circuit plate	1
16	55062A	. Bushing - Body	2
17	104814	. Screw - Pan hd 4-40 x 1/4 (SEMS)	1
18	65934	. Plate - Choke	1

Item No.	Part Number	Description	Units Per Assy
19	86356	. Shaft Assy - Choke	1
20	89652	. Ball - Choke detent	1
21	52930	. Spring - Choke detent	1
22	101796	. Pin - Choke plate	1
23	89653	. Screw - Idle speed	1
24	51705	. Spring - Speed screw	1
25	104814	. Screw - Pan hd 4-40 x 1/4 (SEMS)	1
26	65934	. Plate - Throttle	1
27	68211	. Retainer - "C" Ring	1
28	89654	. Shaft Assy - Throttle	1
29	89656	. Spring - Throttle return	1
30	88844	. Swivel Assy - Throttle shaft*	1
31	84940	. Needle - High speed	1
32	89655	. Spring - Needle	2
33	52937	. Washer - Packing	2
34	88106	. Ring - Packing	2
35	84939	. Needle - Idle	1
36	89660	. "O" Ring	2
37	89659	. Washer - Nylon	1
	89658	Repair Kit	

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

MC 101D

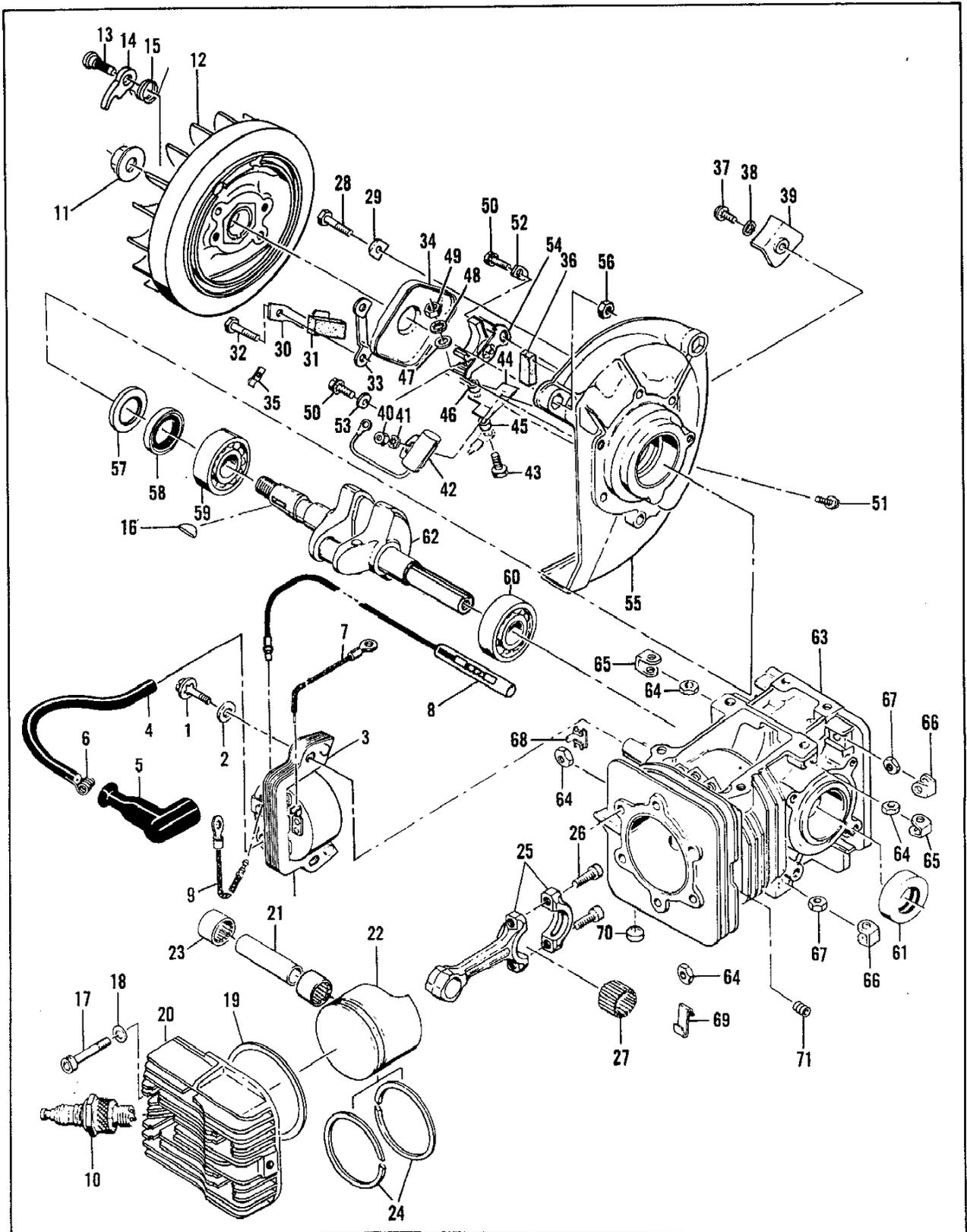


Figure 3. Powerhead Assembly

MC 101D

FIGURE 3. POWERHEAD ASSEMBLY

Item No.	Part Number	Description	Units Per Assy
1	104815	Screw - Hex hd 10-24 x 7/8 (SEMS)	2
2	100352	Washer - #10	2
3	86413	Coil - Lamination Assy	1
4	50120	Wire Assy - Spark plug	1
5	55060	Boot	1
6	55061	Connector	1
7	101883	Wire Assy - Ground	1
8	86131	Wire - Kill switch	1
9	57766	Wire Assy - Primary	1
10	84536	Spark Plug - Ch L-78	1
11	110655	Nut - Flange hex 7/16-20	1
12	68282	Flywheel & Pawl Assy	1
13	36144B	Pin - Starter pawl	2
14	24093	Pawl - Starter	2
15	66351	Spring - Pawl	2
16	103879	Key - Woodruff	1
17	47905	Screw - Skt hd 10-24 x 1-15/36	6
18	24236	Washer - Special	6
19	84459	Gasket - Cylinder head	1
20	89211	Head - Cylinder	1
21	69408	Pin - Piston	1
22	84469	Piston Assy	1
23	104519	Bearing - Needle	2
24	85608	Ring Set - Piston	1
25	86415	Connecting Rod Assy	1
26	110720	Screw - Skt hd special	2
27	69891	Roller - Needle	24
28	102763	Screw - Hex hd 10-24 x 3/4	2
29	36388	Lockplate	1
30	57815	Strap - Seal	1
31	50664	Seal - Breaker box drain	1
32	110866	Screw - Hex hd 10-24 x 3/4	4
33	55977	Clip - Breaker box cover	2
34	55766B	Cover & Gasket Assy - Breaker box	1
35	104230	Speednut	1
36	54184	Wiper - Felt	1

Item No.	Part Number	Description	Units Per Assy
37	110055	Screw - Fil hd 8-32 x 3/8 (SEMS)	1
38	100080	Washer #8	1
39	57829	Clamp - Ignition wire	1
40	100251	Nut - Hex 8-32	1
41	100057	Lockwasher #8	1
42	85358	Condenser	1
43	110338	Screw - Hex hd 8-32 x 9/16	1
44	55782A	Insulator - Wire	1
45	57769	Insulator - Screw	1
46	57770A	Insulator - Breaker spring	1
47	100080	Washer #8	1
48	104553	Lockwasher #8	1
49	104551	Nut - Hex 8-32	1
50	104733	Screw - Fil hd 8-32 x 1/2 (SEMS)	2
51	103748	Screw - Hex hd 8-32 x 1/2	1
52	57767A	Lockplate	1
53	55778E	Washer - Breaker retainer	1
54	57765B	Breaker Assy	1
55	84193	Cover Assy - Crankcase	1
56	101326	Nut - Hex 10-24	3
57	57898	Seal - Oil	1
58	57897	Seal - Oil	1
59	100824	Bearing - Ball	1
60	89128	Bearing - Ball	1
61	110884	Seal - Oil	1
62	89141	Crankshaft	1
63	89390	Crankcase Assy	1
64	101326	Nut - Hex 10-24	8
65	28053	Retainer - Nut	2
66	18556A	Retainer - Nut	6
67	101143	Nut - Hex 1/4-20	6
68	104255	Retainer - Nut	2
69	57063	Retainer - Nut	4
70	110685	Plug - Cup	3
71	83374	Insert - Taplok	2

ACCESSORIES

Part Number	Description
62849	Pressure Test Tool
67218	Intake Adapter Plate
62862	Exhaust Adapter Plate
68256	Split Bearing Retainer
83209	Blind Piston Tool Kit
59549	T-Handle Allen Wrench - 5/32 in.
67537	Loctite-10 cc
51787B	Flywheel Puller
68280	Flywheel - 5° Advance
84498	High Compression Cylinder Head
85183	High Capacity Fuel Pump
88845	Alcohol Carburetor
84470	Piston Assy - 0.010 in. Oversize
85609	Ring Set - 0.010 in. Oversize

Part Number	Description
84473	Piston Assy - 0.020 in. Oversize
85610	Ring Set - 0.020 in. Oversize
84474	Piston Assy - 0.030 in. Oversize
85611	Ring Set - 0.030 in. Oversize
84476	Piston Assy - 0.050 in. Oversize
89145	Ring Set - 0.050 in. Oversize
84728	Chrome Fan Housing
65712	Timing Guide
85583	Splined Key Wrench
85584	Splined Driver Socket
84914	Spark Plug - Ch L88
84915	Spark Plug - Ch L81
84916	Spark Plug - Ch L87R
84917	Spark Plug - Ch L84R



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