

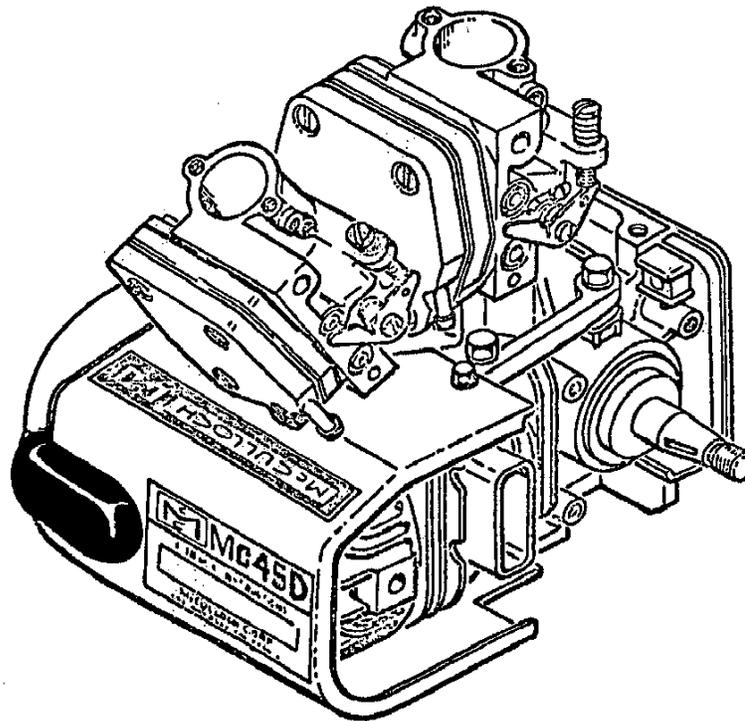
Kart Engine

Mc-45D

Illustrated Parts List

Part No. 400157R

August 1964



The following pages contain an illustrated parts list for the Mc-45D 'Super' type Kart Engine. Due to small differences between engines, it is important that the Serial Number of your kart engine be included whenever spare parts are ordered. This will assure receiving the proper parts from McCulloch Racing Corporation.

The McCulloch Racing Corporation reserves the right to modify or change replacement part numbers without (1) prior notification or (2) obligation to back-fit or supply back-fit components for units previously shipped from McCulloch Racing Corporation.

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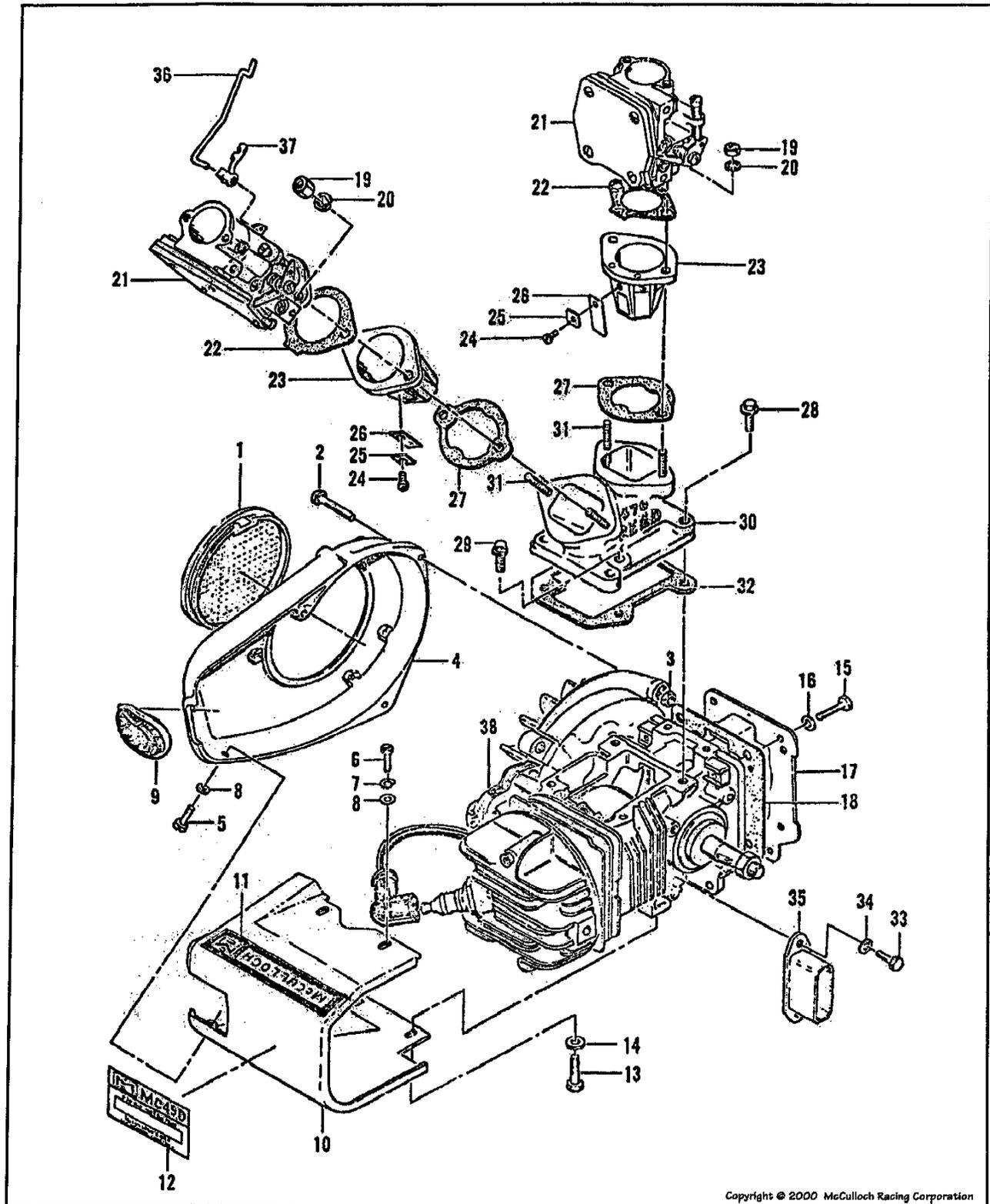


Figure 1. Engine Assembly, Model Mc-45D Engine

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FIGURE 1. ENGINE ASSEMBLY, MODEL MC 45D ENGINE

Index No.	Part Number	Description	Units Per Assy.
1	55615	Guard	1
2	104816	Screw – 10-24 x 1 ¼ in. lg (SEMS)	3
3	101191	Nut – Hex 10-24	2
4	48864	Housing, Fan	1
5	102500	Screw – Pan Hd 10-24 x ½ in. lg	1
6	102762	Screw – Hex Hd 10-24 x ½ in. lg	1
7	101194	Lockwasher - #10	3
8	100002	Washer – Plain #10	2
9	57565	Cover Assy. – Spark Plug	1
10	47904	Shroud – Cylinder	1
11	48588	----- Nameplate	1
12	47883	Nameplate	1
13	100732	Screw – Hex Hd ¼-20 x 5/8 in. lg	2
14	100005	Washer, Plain ¼ in.	2
15	101982	Screw – Hex Hd ¼-20 x 1 in. lg	4
16	100311	Washer – Plain ¼ in.	4
17	58139A	Cover – Crankcase bottom (Stuffer)	1
18	48909A	Gasket – Crankcase bottom cover	1
19	100248	Nut – Hex ¼-28	4
20	100153	Lockwasher – ¼ in.	4
21		Carburetor Assy. (See Figure 2)	2
22	55161D	Gasket – Carburetor	2
23	47843	Valve Assy. – Pyramid reed	2
24	47907	----- Screw – Bind Hd 4-40 x 1/8 in lg	6
25	47846	----- Plate – Clamp	6
26	47845	----- Valve – Reed	6
27	47869	Gasket – Reed Valve	2
28	103947	Screw – Hex Hd 10-24 x 1 in. lg (SEMS)	3
29	104815	Screw – Hex Hd 10-24 x 7/8 in. lg (SEMS)	1
30	47916	Manifold Assy. – Carburetor	1
31	47868	----- Stud – Manifold	4
32	47870	Gasket – Manifold	1
33	102388	Screw – Hex Hd 10-24 x 5/8 in. lg	2
34	103100	Lockwasher - #10 int	2
35	48609	Header – Exhaust	1
36	200243	Rod – Throttle	1
37	59159	Clip – Throttle Rod	1
38		Powerhead (Crankcase) – See Figure 3	1

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FIGURE 2. McCulloch Carburetor Assemblies

Index No.	Part Number	Description	Units Per Assy.
	48890B	Carburetor Assembly	2
1	104520	----- Screw – Pan Hd 10-24 x 7/8 in. lg (SEMS).....	4
2	48897	----- Body Assy – Fuel Pump.....	1
3	48911	----- Filter – Fuel Pump.....	1
4	57274B	----- Diaphragm – Fuel Pump	1
5	48901	----- Plate – Diaphragm	1
6	55067C	----- Diaphragm – Carburetor	1
7	55090	----- Needle – Idle adjusting.....	1
8	48810	----- Needle – Main adjusting	1
9	104001	----- “O” Ring.....	2
10	55397	----- Screw – Idle Speed	1
11	51705	----- Spring – Idle speed screw.....	1
12	104814	----- Screw – Pan Hd 4-40 x ¼ in. lg (SEMS).....	1
13	50701A	----- Arm – Throttle Shaft.....	1
14	48820	----- Spring – Throttle Return.....	1
15	104814	----- Screw – Pan Hd 4-40 x ¼ in. lg (SEMS).....	1
16	55085	----- Plate – Throttle.....	1
17	110055	----- Screw – Fil Hd 8-32 x 3/8 in. lg (SEMS)	1
18	55082	----- Clip – Shaft.....	1
19	48818A	----- Shaft Assy – Throttle.....	1
20	48907B	----- Body Assy. – Carburetor	1
21	104164	----- Screw – Pan Hd 4-40 x ¼ in. lg	1
22	104305	----- Pin – Inlet Lever	1
23	55688	----- Lever – Inlet Control	1
24	57172	----- Spring – Inlet Control	1
25	59710	----- Valve – Needle.....	1
26	58969	----- Body – Needle Valve.....	1
27	55689	----- Washer – Valve.....	1
28	104407	----- Plug – Expansion 1 in	1
29	55690B	----- Seal – Capillary	1
30	102758A	----- Plug – Expansion ½ in	1
31	55062A	----- Bushing – Body	2

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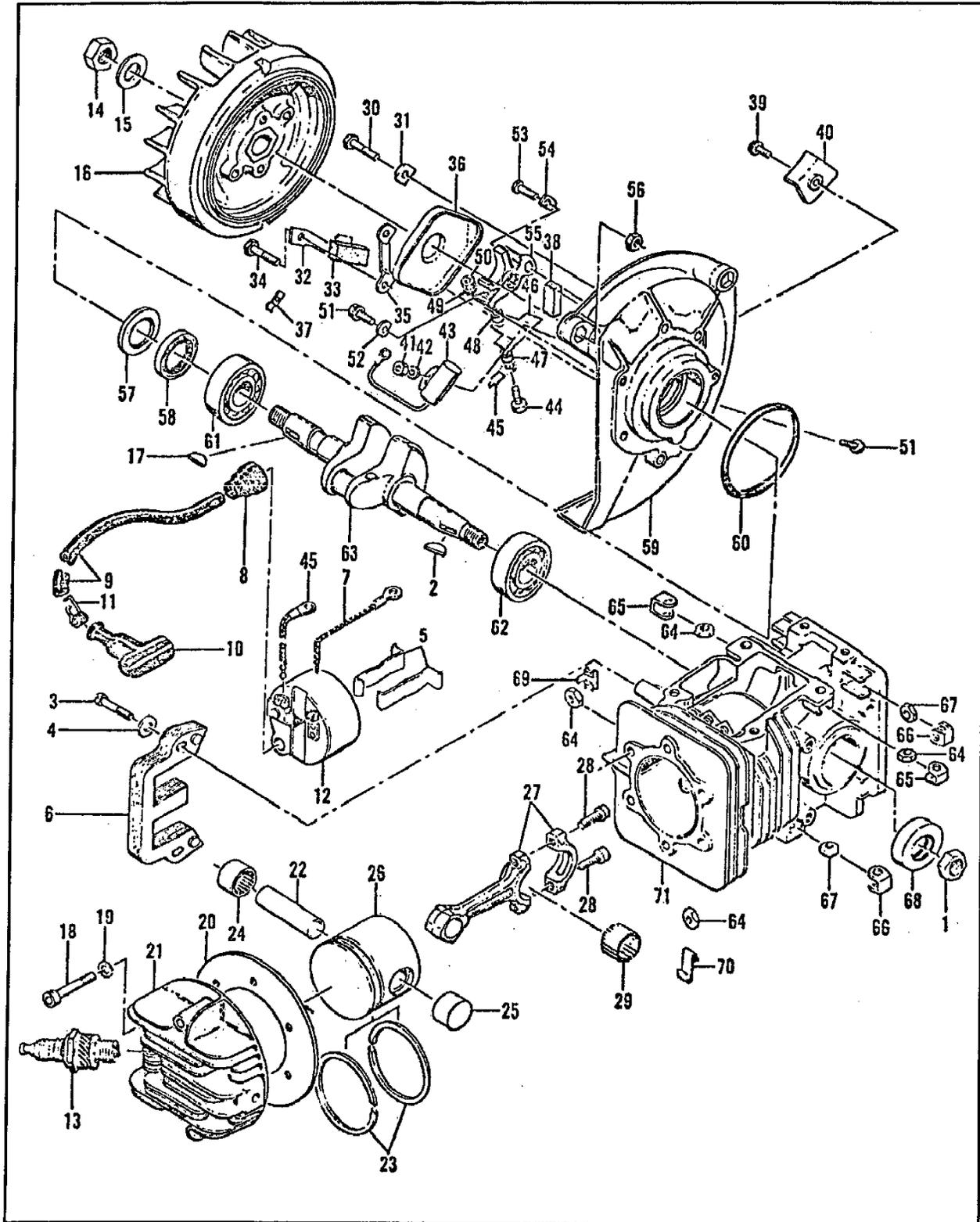


Figure 3. Powerhead Assembly (Crankcase)

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FIGURE 3. POWERHEAD ASSEMBLY

Index No.	Part Number	Nomenclature	Units Per Assy
1	103746	Nut - Hex 3/8 - 24	1
2	103879	Key - Woodruff	1
3	101965	Screw - Fil hd 10-24 x 7/8 in. lg. (SEMS)	2
4	100003	Washer - Plain #10	2
5	51253	Retainer - Coil	2
6	51251	Lamination Assy - Coil	1
	55949A	Coil and Terminal Assy	1
7	101883	. Wire Assy - Ground	1
8	55617	. Nipple- Spark plug wire	1
9	52547	. Wire Assy - Spark plug	1
10	55060	. . Boot - Spark plug	1
11	55061	. . Connector - Spark plug wire	1
12		. Coil Assy (Order Coil and Terminal Assy #55949A)	1
13		Spark Plug - 14mm	1
14	101179	Nut - Hex 7/16 - 20	1
15	101270	Washer - Plain 7/16 in.	1
16	47880A	Flywheel Assy	1
17	103879	Key - Woodruff	1
18	104534	Screw - Skt hd 10-24 x 1-13/32 in. lg.	6
19	24236	Washer - Special	6
20	47835	Gasket - Cylinder head	1
21	48903A	Head - Cylinder	1
22	58132	Pin - Piston	1
	47765	Piston Assy - Standard size	1
23	47767	. Ring Set - Piston standard size	1
24	101206	. Bearing - Needle	1
25	104378	. Bearing - Needle (closed end)	1
26		. Piston (Order Piston Assy #47765)	1
27	47903	Connecting Rod Assy	1
28	60210A	. Screw - Skt hd 10-32 x 5/8 in. lg.	2
29	102742	. Roller - Needle	24
30	102763	Screw - Hex hd 10-24 x 3/4 in. lg.	2
31	36388	Plate - Lock	1
32	57815	Strap - Seal	1
33	50664	Seal - Breaker box drain	1
34	102763	Screw - Hex hd 10-24 x 3/4 in. lg.	4
35	55977	Clip - Breaker box cover	2
36	55766B	Cover and Gasket Assy - Breaker box	1
37	104230	Speednut	1
38	54184	Wiper - Felt	1
39	110055	Screw - Fil hd 8-32 x 3/8 in. lg. (SEMS)	1
40	57829	Clamp - Ignition wire	1
41	100955	Nut - Hex 8-32	1
42	100080	Washer - Plain #8	1
43	50074	Condenser	1
44	103748	Screw - Hex hd 8-32 x 1/2 in. lg.	1
45	57766	Wire Assy - Primary	1
46	55782	Insulator	1
47	57769	Insulator - Ignition screw	1
48	57770A	Insulator - Breaker spring	1
49	104553	Washer - Lock #8	1
50	104551	Nut - Hex 8-32	1
51	104733	Screw - Fil hd 8-32 x 1/2 in. lg. (SEMS)	2
52	55778C	Washer - Special	1
53	104733	Screw - Fil hd 8-32 x 1/2 in. lg. (SEMS)	1
54	57767A	Lockplate	1
55	57765A	Breaker Assy	1
	57827	Cover Assy - Crankcase	1
56	101326	. Nut - Hex 10-24	1
57	57898	. Seal - Oil	1
58	57897	. Seal - Oil	1

This list is continued on page 8

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FIGURE 3. POWERHEAD ASSEMBLY (cont)

Index No.	Part Number	Nomenclature	Units Per Assy
59		. Cover - Crankcase (Order Crankcase Cover Assy #57827)	1
60	104523	"O" Ring	1
61	100824	Bearing - Ball	1
62	104490	Bearing - Ball	1
63	58128	Crankshaft	1
	47878	Crankcase Assy - Cylinder	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	104486	. Seal - Oil	1
69	104255	. Retainer - Nut	2
70	57063	. Retainer - Nut	4
71		. Crankcase - Cylinder (Order Cylinder Crankcase Assy #47878)	1

OVERSIZED PISTON ASSEMBLY AND ACCESSORIES

Part Number	Nomenclature
47766	Piston Assy - 0.010-inch oversize
47768	. Ring Set - Piston 0.010-inch oversize
13639A	Clutch, Drum, Bearing and Sprocket Assy - 10 tooth
13638A	Clutch, Drum, Bearing and Sprocket Assy - 11 tooth
13637A	Clutch, Drum, Bearing and Sprocket Assy - 12 tooth
48736A	Drum, Bearing and Sprocket Assy - 10 tooth
48734A	Drum, Bearing and Sprocket Assy - 11 tooth
48714A	Drum, Bearing and Sprocket Assy - 12 tooth
104460	. Bearing - Clutch drum
48737	. Spacer - Sprocket
48637	Sprocket - 10 tooth
48638	Sprocket - 11 tooth
48639	Sprocket - 12 tooth
48712A	Clutch Assy
48645	Header - Exhaust (Tuned)
14317	Kit - Muffler
48711D	Kit - Starter
48663	Kit - Starter pawl
13178A	Kit - Engine mounting
13598	Stack Intake