

Part Dwg.	Description	Material
1 3	Crankcase top	Aluminum casting
2 3	Crankcase bottom	Aluminum casting
3 4	Gearcase body	Aluminum l casting
4 4	Gearcase cover	Aluminum casting
5 4	Back plate	Aluminum casting
6 5	Crankshaft	4140 Steel 1/2" x 1" x 6"
7 6	Connecting rod	Aluminum casting
8 6	Big end split bushings	Bronze 1/2" D x 2" rod
9 6	Little end bushing	Bronze 1/4" D x 2" rod
10 6	Wristpin	Drill Rod 1/4" D
11 6	Wristpin pads	Bronze 1/4" D x 1" rod
12 6	Piston	Aluminum 1/4" x 2" rod
13 6	Piston rings	Cast Iron 1-1/4" D x 2" rod
14 5	Crankshaft bearings	MSC # 35433242
15 7	Camshaft	Drill rod 1/2" D x 3"
16 7	Camshaft bearings	MSC # 35380567
17 7	Tappets	Drill rod 3/8" D x 3"
18 7	Pushrods	Drill rod 1/8" D x 6"
19 7	Tappet bushings	Bronze 5/16" D x 2"
20 11	Breather cap	Aluminum 1/2" D x 1 1/2" rod
21 4	Crankshaft seals	MSC # 36676021
22 8	Cylinder	Aluminum casting
23 8	Sleeve	Cast Iron 1-1/4" D x 3" rod
24 8	Head	Aluminum casting
25 9	Valves	Stainless 3/8" D x 3" rod
26 9	Guides	Bronze 3/8" D x 2" rod
27 9	Springs	see text
28 9	Keepers	Brass 3/8" D x 1"
29 9	Keeper pin	Spring wire 0.025"
30 8	Spark plug	NGK CM-6
31 8	Head gasket	Gasket paper
32 10	Timing box	Aluminum 1/4" D x 2" rod
33 11	Cover	Aluminum casting
34 10	Cam	Drill rod 1/2" D x 1"
35 10	Points arm	see text
36 10	Block	PVC 1/4" x 1" x 1"
37 10	Screw	2-56 x 0.75" CHMS (Cap Head Machine Screw)
38 10	Contacts	Welding rod / Tungsten
39 10	Spring	Spring steel / Binder clip
40 11	Gas Tank	see text
41 11	Exhaust pipe	Aluminum 1/2" D x 3" rod
42 11	Carburetor	OS engines model 10C
43 .	Crankcase screws	6-32 x 0.625" CHMS
44 .	Gearcase screws	6-32 x 0.5" CHMS
45 .	GC cover screws	6-32 x 0.5" CHMS
46 .	Cyl. to Ccase screws	6-32 x 0.5" CHMS
47 .	Head Screws	8-32 x 1.5" CHMS
48 .	Back plate screws	6-32 x 0.5" FHPS (Flat Head Phillips Screw)
49 5	Crank Gear	Berg C32520-25
50 5	Cam gear	Berg P32A26-50
51 5	Crank gear key	Key stock 1/16" x 1/16" x 1/2"
52 5	Cam gear key	Key stock
53 11	Flywheel	CRS 2-3/4" D x 3/4" Bar
54 11	Flywheel hub	CRS 3/4" D x 1-1/2" rod
55 11	Hub screw	8-32 x 0.75" CHMS (Cheese Head Machine Screw)
56 9	Left rocker	CRS 3/8" x 1/2" x 2" Bar
57 9	Right rocker	CRS 3/8" x 1/2" x 2" Bar
58 10	Cam screw/washer	4-40 x 0.25" CHMS
59 10	T. box screw	2-56 x 0.75" CHMS
60 9	Rocker adjusters	Bronze 3/8" D x 2" rod
61 9	Rocker tower	Aluminum 1/2" D x 2" rod
62 9	Rocker adj. nuts	6-32 hex
63 6	Con rod screws	2-56 x 0.5" CHMS
64 10	Points arm screw	2-56 x 0.375" p. head MS
65 10	Points arm block	Nylon 1/4" x 1/4" x 1/4"
66 5	Crank cweights	Bronze 1-1/2" D x 1/4" rod
67 5	Crank cweight screws	2-56 x 1" CHMS
68 11	Head fixture	Aluminum 2" x 2" x 3/4" plate