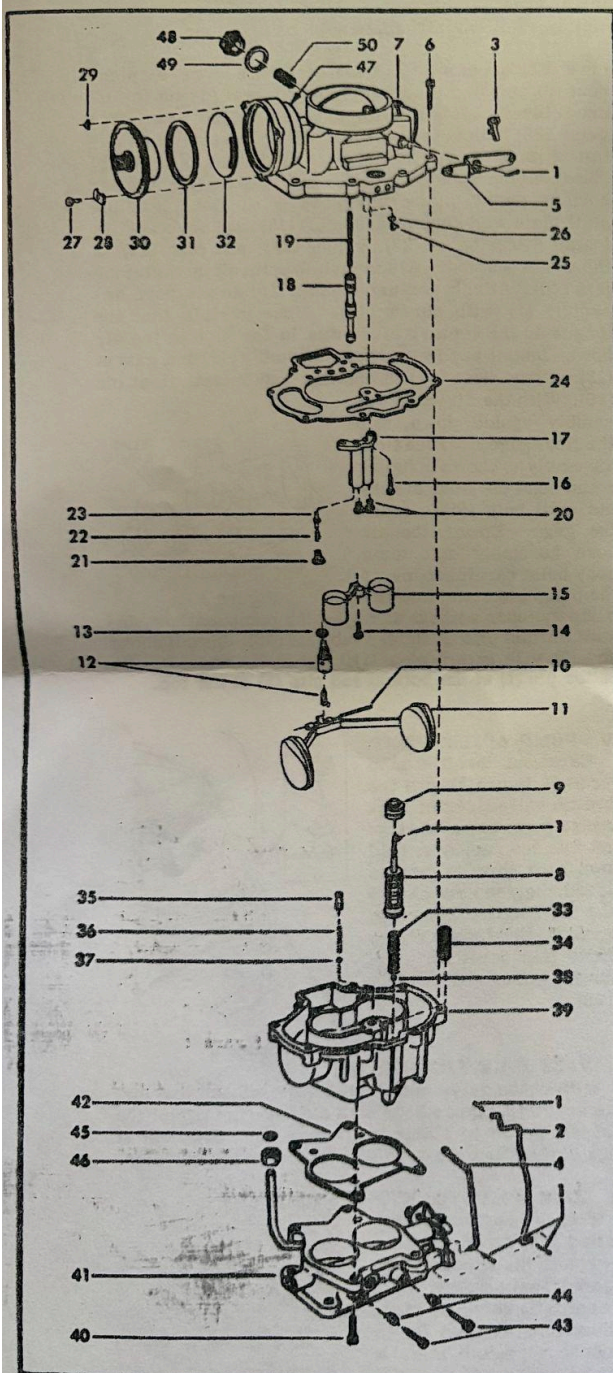


PARTS LIST

ROCHESTER MODEL 88 CARBURETOR



REF. NO.

NOMENCLATURE

1	Pin - Cotter
2	Rod - Choke
3	Clip - Rod end
4	Rod - Pump
5	Lever - Fulcrum
6	Screw and Lock Washer Assembly
7	Air Horn Assembly
8	Piston Assembly - Pump
9	Boot - Pump piston
10	Pin - Float
11	Float Assembly
12	Needle and Seat Assembly
13	Gasket - Needle seat
14	Screw and Lock Washer Assembly
15	Cluster Assembly - Venturi
16	Screw and Lock Washer Assembly
17	Support Assembly - Main well
18	Piston - Power
19	Spring - Power piston
20	Jet - Main metering
21	Plug - Power valve
22	Spring - Power valve
23	Valve - Power
24	Gasket - Air horn
25	Retainer - Check valve
26	Valve - Pump discharge check
27	Screw
28	Retainer - Toothed stat cover
29	Retainer - Plain stat cover
30	Cover and Coil Assembly - Stat
31	Gasket - Stat cover
32	Plate - Choke baffle
33	Spring - Pump return
34	Strainer - Pump inlet
35	Piston - Pump discharge check
36	Spring - Pump discharge ball
37	Ball - Pump discharge
38	Ball - Pump inlet
39	Main Body
40	Screw and Lock Washer Assembly
41	Throttle Body
42	Gasket - Throttle body
43	Needle - Idle adjusting
44	Spring - Idle adjusting needle
45	Packing - Choke suction tube
46	Nut - Choke suction tube
47	Gasket (not shown) - Choke housing
48	Nut - Strainer
49	Gasket - Strainer nut
50	Strainer - Fuel inlet

INSTRUCTION SHEET

ROCHESTER MODEL BB CARBURETOR

Numbers used in disassembly and reassembly procedures are the reference numbers on the illustration on the reverse side. Complete disassembly and reassembly instructions are included. If certain subassemblies do not require disassembling, follow only applicable instructions.

I. DISASSEMBLY.

Remove carburetor from engine and drain out gasoline.

Remove all cotter pins (1), choke rod (2), rod end clip (3), pump rod (4), and fulcrum lever (5). Loosen tube nut (46), remove screws (6), and lift air horn assembly (7) off the main body (39). Remove pump piston assembly (8), boot (9), float pin (10), float assembly (11), needle and seat assembly (12), and gasket (13). Remove screw (14), venturi cluster (15), screws (16), main well support assembly (17), and gasket (24). Lift out power piston (18) and spring (19). Using a pointed tool, carefully remove check valve retainer (25) and check valve (26) from air horn assembly (7). Remove power valve plug (21), spring (22), valve (23), and both main metering jets (20). Remove the three screws (27), retainers (28 and 29), stat cover and coil assembly (30), gasket (31), and baffle plate (32). Remove lower pump spring (33), strainer (34), piston (35), and spring (36). Tip main body (39) and catch pump inlet ball (38) and pump discharge ball (37). Remove four screws (40) to separate the throttle body (41) from the main body (39) and remove gasket (42). Remove idle adjusting needles (43), springs (44), and choke suction tube packing (45). (Removal of nut (46) is not required except for replacement.) Remove strainer nut (48), gasket (49), and strainer (50). The choke housing gasket (47) (not shown) should not be removed unless it is damaged. If replacement is required, remove choke valve, choke shaft, and choke housing. Replace gasket and re-install these parts.

II. CLEANING.

Cleaning must be done with carburetor disassembled. Soak carburetor parts a few hours to remove all foreign material. Use 1) a regular carburetor cleaning solution, 2) lacquer thinner, or 3) denatured alcohol. Brush parts with small brush and make certain carburetor bore is free of all hard carbon deposits. Do not boil carburetor in alkaline solution as it destroys the protective coating on casting. Blow out all passages with dry, compressed air and examine carefully.

III. REASSEMBLY.

Place springs (44) on idle adjusting needles (43), rotate each needle into throttle body (41) until it seats lightly; then back out one turn. Place gasket (42) on throttle body (41) and attach throttle body to main body (39) with four screws (40). Slide nut (46) on choke tube (if removed) and follow with packing (45). Position strainer (34) on pump inlet opening in main body and drop pump inlet ball (38) in bottom of pump cylinder and pump discharge ball (37) in piston cylinder. Install spring (33) in pump cylinder, slide spring (36) into lower end of piston (35), and insert piston and spring in main body with piston on top. Slide strainer (50) into strainer nut (48) and install strainer nut and gasket (49) in air horn assembly (7). Install baffle plate (32), gasket (31), and stat cover and coil assembly (30). Rotate stat cover counterclockwise until the spring picks up choke lever; then rotate until index marks are aligned. Install two retainers (29) at top of stat cover and one retainer (28) at the bottom and se-

cure with screws (27). Install fulcrum lever (5), place boot (9) on pump piston (8), and connect piston to fulcrum lever. Install cotter pins (1). Install new check valve (26) with retainer (25). Make certain that retainer is in its groove in the air horn assembly. Insert power piston spring (19) and power piston (18) into air horn assembly, place gasket (24) on air horn, and install main well support assembly (17) with screws (16). Install power valve (23), spring (22), and plug (21) in the order named. Also, install both main metering jets (20). Attach venturi cluster (15) to air horn assembly (7) with screw (14). Make certain that the tongue on the venturi cluster is in the slot in the air horn. Install needle and seat assembly (12) and gasket (13). Place float (11) in position and install float pin (10). With the air horn assembly upside down, slip the float gage over the float assembly as shown in figure 1 and bend the float brackets until both floats touch the gage. Lower the air horn assembly onto main body being careful to insert the pump piston (8) into the pump cylinder without damaging the pump leather. Install screws (6) and tighten tube nut (46). Install choke rod (2) with cotter pins (1); and pump rod (4) with cotter pin (1) at the bottom and clip (3) at the top.

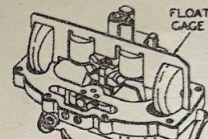


Figure 1

IV. PUMP ADJUSTMENT.

Back out throttle stop screw (1, figure 3) until the throttle valves close; disengage pump rod at the top; and with fulcrum lever held down and throttle valves closed, the pump rod should take the position shown in figure 2. Bend pump rod to effect this position. Reconnect pump rod to fulcrum.

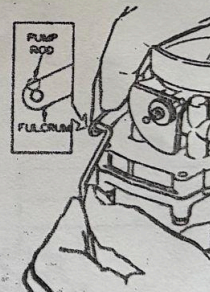


Figure 2

V. FAST IDLE ADJUSTMENT.

With choke valve and throttle valve closed and fast idle screw (3, figure 3) on high step of cam, adjust the fast idle screw to obtain a clearance of .026 inch at edge of throttle valves on side opposite idle needles.

VI. IDLE ADJUSTMENT. (See figure 3.)

With the carburetor installed and engine warmed up, rotate the throttle stop screw (1) until engine idles at approximately 500 rpm. Adjust idle needles (2) to produce a smooth idle. It may be necessary to readjust throttle stop screw (1) and idle needles (2) alternately until a smooth idle of correct speed is obtained.

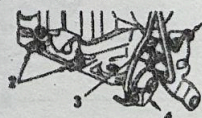


Figure 3