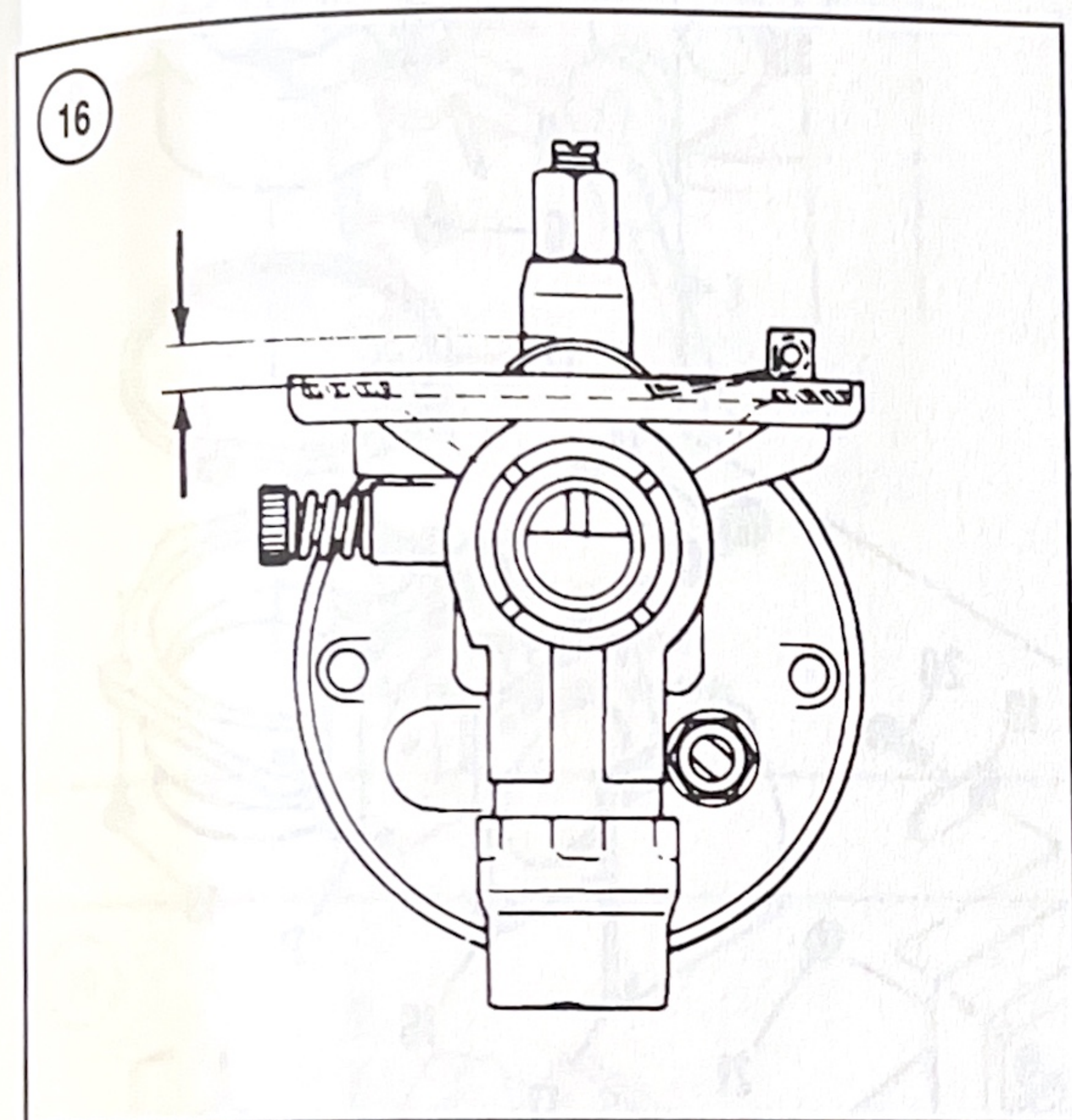
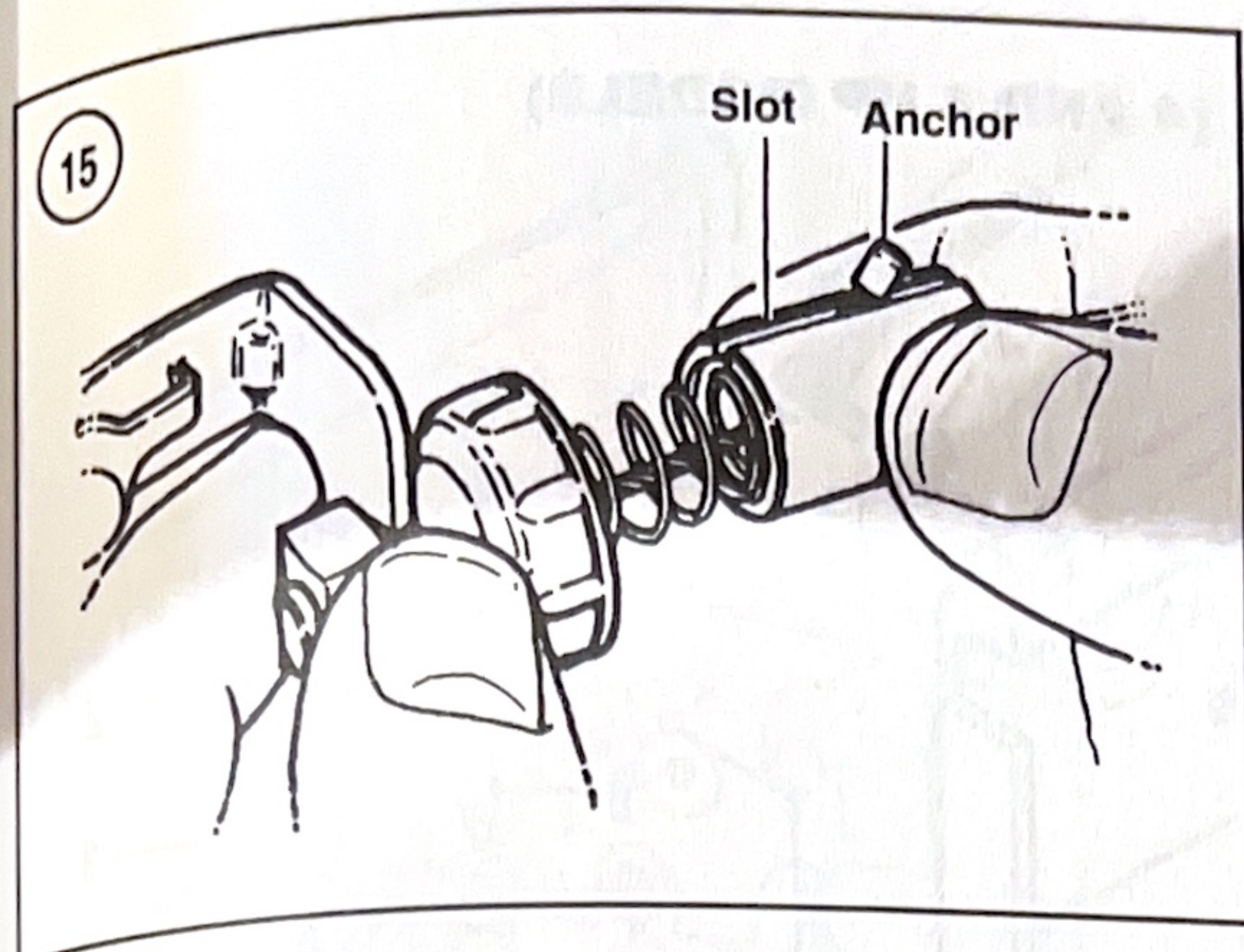




4 and 5 hp Models with Integral Fuel Pump

Although the fuel pump portion of the carburetor can be serviced without removing or disassembling the carburetor, completely disassemble the fuel pump and the carburetor if either needs service. Refer to **Figure 17** for the following procedures.

Removal/Installation

1. Disconnect the fuel hose from the carburetor fuel pump inlet fitting.
2. Loosen the screw (1, **Figure 18**) holding the throttle wire (2) to the carburetor throttle arm. Remove the wire from the throttle arm.

3. Disconnect the choke link rod (3, **Figure 18**) from the carburetor.
4. Remove the screws (36, **Figure 17**) securing the baffle cover (35) to the front of the carburetor. Remove the cover.
5. Remove the bolts (1, **Figure 19**) holding the baffle cover bracket (2) and the carburetor to the crankcase cover. Remove the bracket, carburetor and gasket (31, **Figure 17**). Carefully clean any remaining gasket material from the carburetor and power head.
6. Install the carburetor, baffle cover bracket and a new gasket to the crankcase cover. Tighten the bolts (1, **Figure 19**) evenly and securely.
7. Install the baffle cover (35, **Figure 17**) and secure it with the screw and washers (36 and 37).
8. Connect the choke link rod (3, **Figure 18**) to the carburetor.
9. Insert the throttle wire (2, **Figure 18**) into the hole in the throttle arm retainer. Adjust the throttle wire as follows:
 - a. Back the idle speed screw (28, **Figure 17**) off the throttle arm.
 - b. Turn the idle speed screw inward until it just contacts the throttle arm, then turn it inward an additional two turns. With the throttle arm in this position, pull upward on the throttle wire to remove slack, then securely tighten the retainer screw (1, **Figure 18**).
10. Refer to Chapter Five for carburetor and linkage adjustment procedures.

Disassembly

Refer to **Figure 17** for the following procedure.

1. Remove the idle mixture screw (26, **Figure 17**) and spring (27).
2. Remove the two screws holding the mixing chamber cover (43, **Figure 17**) to the carburetor. Remove the cover.
3. Remove the plug (44, **Figure 17**) and packing (45) from the carburetor main body mixing chamber pockets.
4. Remove the screws (25, **Figure 17**) securing the fuel pump assembly to the carburetor float bowl. Separate the pump cover from the pump body.
5. Remove the screws (13, **Figure 17**) securing the float bowl (11) to the carburetor body. Remove the float bowl (11, **Figure 17**).
6. Remove the screw (**Figure 20**) holding the float assembly in the carburetor.
7. Remove the hinge pin and inlet needle valve (6 and 9, **Figure 17**) from the float.