

2. Remove fixed jet and gasket with Fixed Jet Screwdriver (C-91-29795) or standard screwdriver of exact size. (Figure 4)

### THROTTLE SHUTTER

1. Remove 2 screws and lockwashers which secure throttle shutter to carburetor throttle shaft.

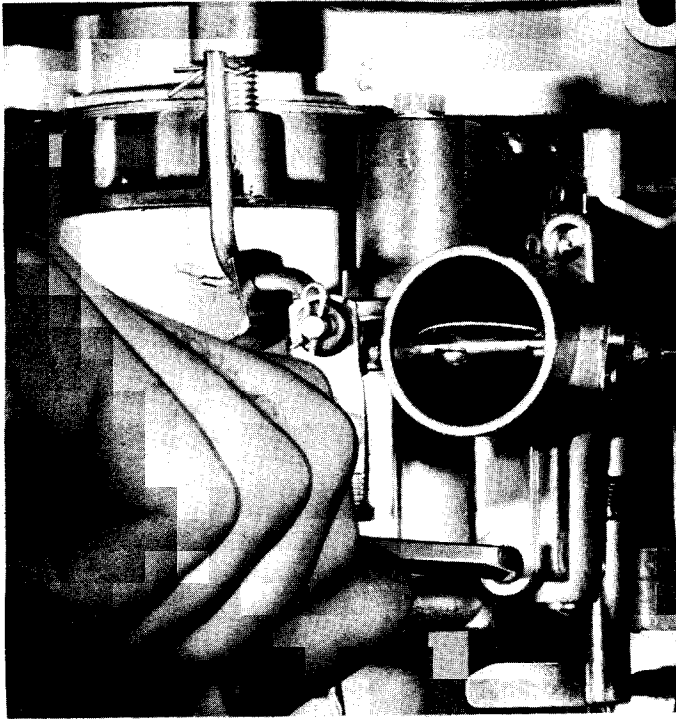


Figure 4. Removing Fixed Jet

2. Pull throttle shaft out from top of carburetor.
3. Pull throttle shutter return spring out of carburetor body.
4. Remove lead plugs (shot) with sharp punch.

### CHOKE SHUTTER

1. Remove 2 screws and lockwashers which secure choke shutter to choke shutter shaft.
2. Pull shutter out with long nose pliers.
3. Remove screw and lockwasher which holds choke shutter shaft retaining clip.
4. Pull out choke shaft.

### CLEANING CARBURETOR

1. Insert proper size drills, held in a pin vise (a tool to hold extremely small drills), in passages. Refer to Carburetor Drill Chart in this section for correct drill sizes. Be sure that passages are clean and free of restrictions which might impair operation.
2. Place carburetor body in a carburetor cleaning solution for a short period of time to remove all dirt, gum and varnish which may have accumulated.

(Note: Carburetor cleaners are available through local automotive supply stores.)

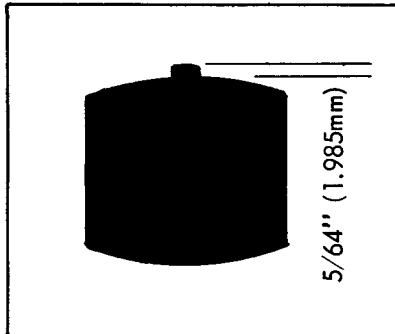
3. After removing carburetor from cleaner, rinse thoroughly in clean solvent and blow off with compressed air. Be sure to blow through all passages, orifices and nozzles.

After cleaning carburetor and checking and cleaning parts, begin reassembly in the following sequence:

## Reassembly

### FLOAT

1. Check for deterioration, saturation and loss of sealer.
2. Check that float spring measures approximately  $5/64''$  (1.985mm) from center of face of float to end of exposed spring. (See figure, right.)
3. Check that spring has not been stretched.
4. Place float in bowl on float needle.
5. Place inlet needle seat gasket in float bowl cover and thread inlet needle securely in place.
6. Set inlet needle in seat (neoprene).
7. Place upper (secondary) float lever in position and insert float lever pin.
8. Replace lower (primary) float lever and pin.



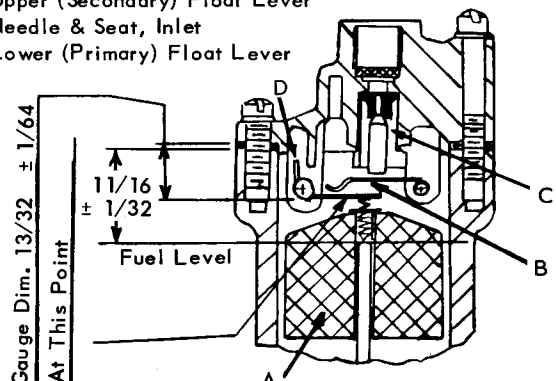
NOTE: On inverted assembled float bowl cover, primary lever should gauge  $13/32''$  (10.319mm) (plus or minus  $1/64''$  [0.397mm]) from face of shoulder. Bend secondary lever to get correct dimension. (Figure 5) Be sure needle does not stick in seat. Tip unit upright, and needle should move freely on actuating lower (primary) lever.

9. Install new gasket on float bowl cover and replace on carburetor float bowl, securing with 2 screws and lockwashers.

### FUEL FILTER

1. Install fuel filter gasket, fuel filter element, another gasket and filter bowl cover.
2. Replace filter bowl cover gasket and secure filter on carburetor with  $3/8''$  cap screw.

- A - Float
- B - Upper (Secondary) Float Lever
- C - Needle & Seat, Inlet
- D - Lower (Primary) Float Lever



METRIC CONVERSION: 1" Is Equal to 25.4mm (Millimeters) or 2.54cm (Centimeters)

Figure 5. Gauging Primary Lever