

# GRAVITY FEED

## Disassembly

Principle of Gravity Feed Type Carburetor: Fuel, supplied from a tank located above carburetor, flows downward without pressure and enters float bowl at bottom. Disassembly and repair of gravity type Tillotson carburetors is similar to pressure type on P. 6. (Figure 7)

Follow disassembly of pressure type, preceding, except for the following:

1. Float bowl cover contains no levers or seat.
2. Remove inlet valve channel plug and gasket from bottom of carburetor.
3. Remove float retainer clip above float (second

retainer clip in needle groove below float which holds it in position). To remove, thumb pressure on needle will force needle through plug hole at bottom, then -

- a. Pull float needle through plug hole at bottom.
- b. Pull float needle out, leaving float and clip free.
- c. Remove seat with 3/8" hex head socket. Gasket is beneath.

*(Use same procedure as in "Cleaning Carburetor" on Page 6.)*

## Reassembly

Follow instructions for pressure type, on Page 6, with the following exceptions:

1. Replace float needle seat and gasket, with 3/8" socket wrench.
2. Insert needle into seat and replace screw plug and gasket.
3. Place float retainer clip in lower float needle groove.

4. Place float on needle and press float until it touches lower float retainer clip.
5. Place top float retainer clip in position.
6. Replace float bowl cover and new gasket.
7. After mounting carburetor on powerhead, time engine and synchronize opening of carburetors and points on magneto for maximum efficiency. This also can be done after powerhead is mounted onto drive shaft housing and bottom cowl. (Refer to Ignition Section IV.)