

## 6-2 CARBURETOR

### a. Description

The quadruple piston type carburetors are mounted on the cylinder head with a stay plate. Choke lever is a link type which operates all four choke valves simultaneously.

Fig. 6-1 shows the construction details of the carburetor.

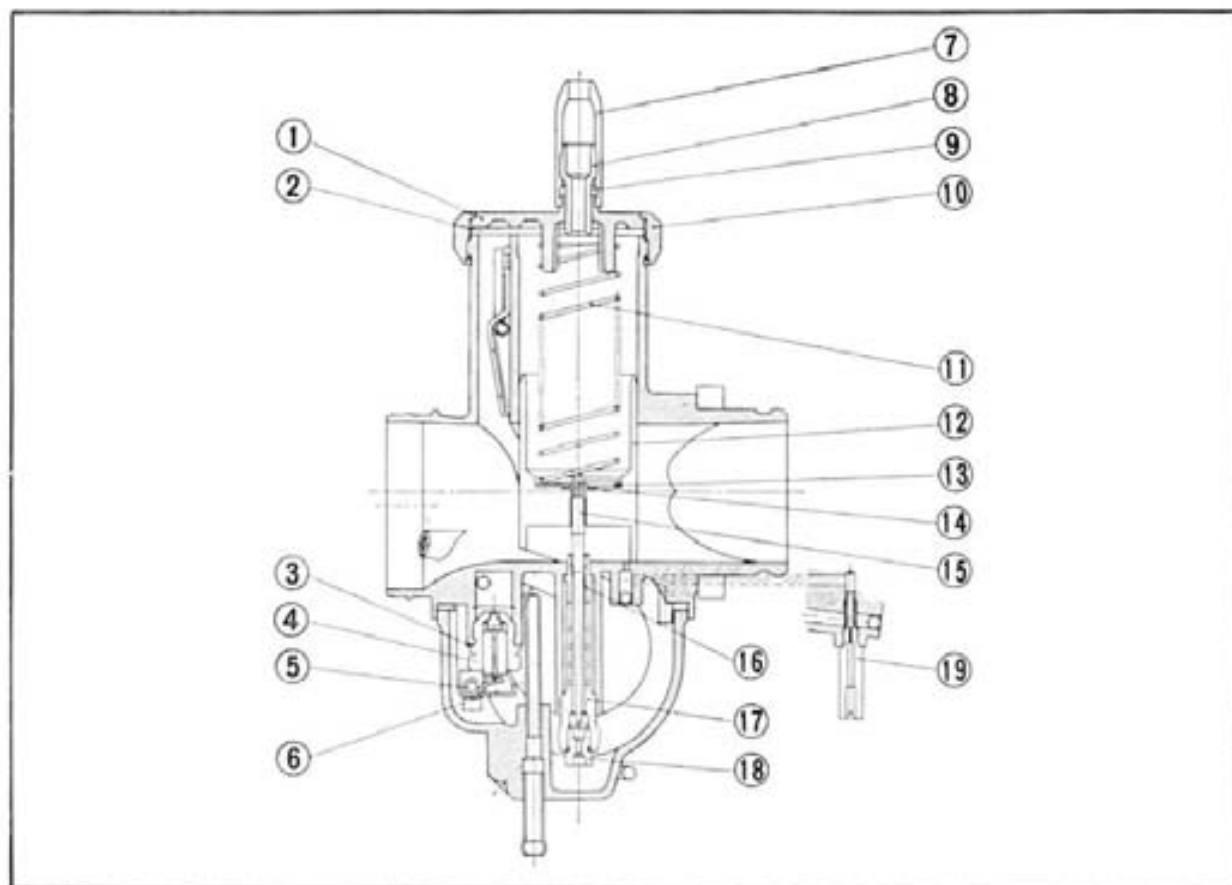


Fig. 6-1

- |                  |                    |                     |
|------------------|--------------------|---------------------|
| ① Carburetor top | ⑧ Cable adjuster   | ⑮ Jet needle        |
| ② Top washer     | ⑨ Lock nut         | ⑯ Needle jet        |
| ③ Flat washer    | ⑩ Cap              | ⑰ Needle jet holder |
| ④ Valve seat     | ⑪ Throttle spring  | ⑱ Main jet          |
| ⑤ Float arm pin  | ⑫ Throttle valve   | ⑲ Slow jet          |
| ⑥ Float          | ⑬ Needle set plate |                     |
| ⑦ Rubber cap     | ⑭ Clip             |                     |

As the air enters the carburetor, it passes under the throttle valve where vacuum pressure is produced due to the restriction caused by the throttle valve extending into the main air passageway. The fuel discharge outlet is located in this so-called venturi area so that the vacuum pressure can draw out the fuel. This carburetor incorporates both the main and slow system.

#### • Main system

The fuel passes through the main jet ⑱ and enters the needle jet holder ⑰ where it mixes with the bleed hole located around the needle jet holder. The fuel air mixture passes by the opening between the needle jet ⑯ and jet needle ⑮ and is discharged from