

below the throttle valve ⑫.

It is here that the mixture is combined with the main air and after being atomized, is taken in to the engine.

#### • Slow system

The air which enters from the inlet passes through the outside of the air screw where it is metered and enters the slow jet bleed hole. It mixes with the fuel which enters the slow jet ⑬ to produce a full spray that is discharged from the pilot outlet at a point under the throttle valve. This mixes with the air from the air inlet to form a combustible mixture before being taken into the engine.

#### • Float chamber

The carburetor must provide a proper mixture of fuel at different throttle openings and engine speeds; in order to accomplish this, the fuel level in the carburetor must be maintained constant. The float chamber functions to serve this purpose. The fuel from the tank enters the float chamber through the fuel inlet passage, between the float valve seat ④ and float valve and fills the chamber to the level where the float ⑤ rises to shut off the fuel by seating the float valve against the valve seat through the action of the float arm. As the fuel is consumed, the fuel level in the float chamber drops the float will follow the level, and the fuel will start to enter the chamber between the opening of the float valve and valve seat to maintain a constant fuel level. (Fig. 6-1)

#### b. Disassembly

1. Turn the fuel tank valve to the "STOP" position, remove the fuel lines from the fuel valve body, raise the seat and pull the rear tank rubber mounting away from the rear tank mount. Remove the fuel tank.
2. Remove the throttle valve from each of the carburetors. (Fig. 6-2)
3. Loosen the air cleaner connecting tube and insulator bands and remove the carburetors as an assembly. (Fig. 6-3)
4. Unscrew the two 6 mm screws and dismount the respective carburetor from the stay plate. (Fig. 6-4)

Disconnecting the individual choke rod will separate the carburetors.

5. In order to remove the needle jet from the throttle valve, first, disconnect the throttle cable from the throttle valve, and then remove the needle set plate from the throttle valve. (Fig. 6-5)

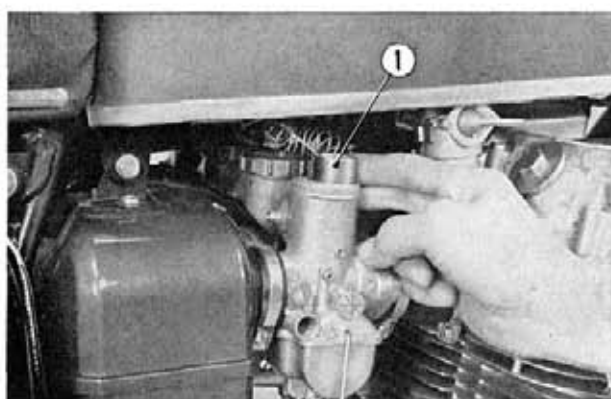


Fig. 6-2 ① Throttle valve

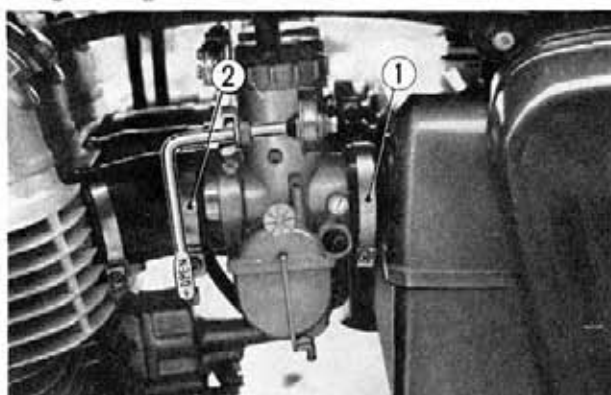


Fig. 6-3 ① Air cleaner connecting band  
② Carburetor insulator band

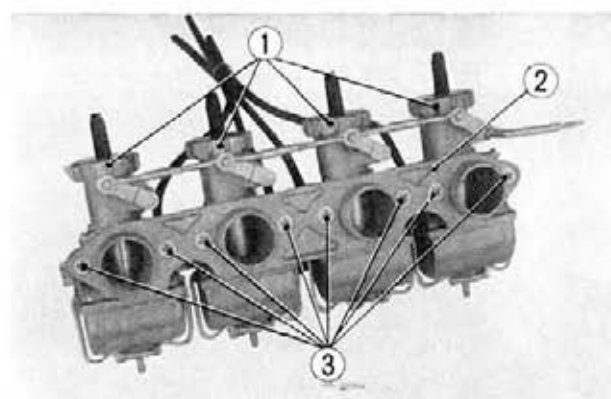


Fig. 6-4 ① Carburetor ③ Setting screws  
② Carburetor stay plate

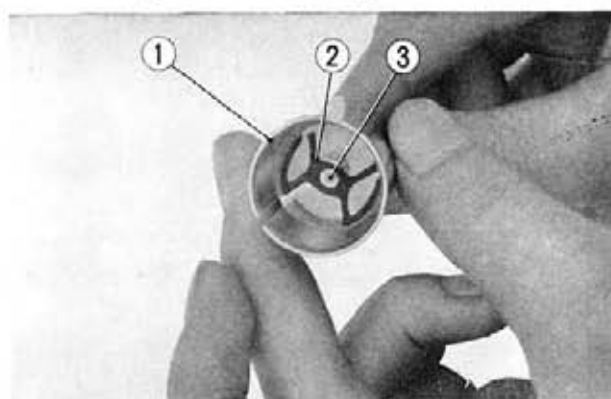


Fig. 6-5 ① Throttle valve ③ Jet needle  
② Needle set plate