

- b. Observe the tachometer and listen to the exhaust noise and/or place a hand at the exhaust outlet to check the exhaust pressure.

Turning out or in very slowly the air screw, obtain the highest engine idle speed or the highest exhaust pressure.

Repeat the same method on all carburetors. The adjustment should not be done exceeding 1/8 turn in both directions.

If there is no change in the engine condition even the adjustment exceeds 1/2 turn in both directions, check possible cause of the defects according to the items in section (2) e.

Adjust the idling speed again by the throttle stop screws to set back to the standard RPM.

- c. Slowly twist the throttle grip 1/4 turn to open the throttle valve and allow seconds to run.

Listen to the exhaust noise and if the noise for four cylinders are not identical and random difference as the throttle opened, an adjustments is necessary. Place a hand at the exhaust outlet and check the exhaust pressure of all four cylinders. Locate one or two carburetors of which the exhaust pressures are different from the others.

Adjust them with the throttle cable adjusters. Turning the adjuster clockwise will increase the throttle cable end play and reduce the exhaust pressure. Turn the adjuster counterclockwise to increase the pressure. After completing the adjustment, tighten the adjuster lock nut and properly install the rubber seal cap.

- (4) Other inspections.

- Snap the throttle grip several times and then recheck the vacuum pressure readings or exhaust noise to assure that they are all the same.
- Turn the steering all the way to the right and left side and snap the throttle grip few times to check that the carburetors are operated smoothly.
- The air vent tube must be positioned over the air cleaner case.
- The adjustments of the throttle grip free play and the grip damping force should be referred to the group 19 (page 182)

## 6-3 FUEL TANK AND VALVE

### a. Description

The fuel tank is mounted on the frame body directly above the engine and is installed on the frame body through the fuel tank rubber cushions. (Fig. 6-20)

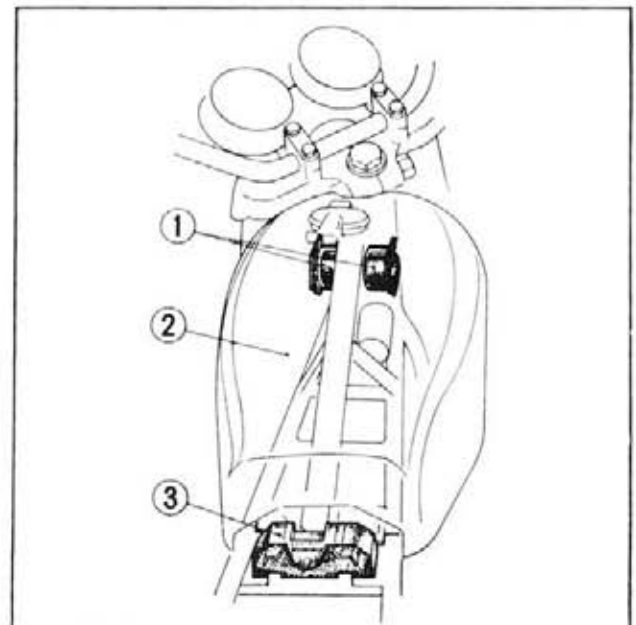


Fig. 6-20 ① Fuel tank front cushions  
 ② Fuel tank  
 ③ Fuel tank rear cushion