

Fig. 19-14 ① Upper level mark
② Lower level mark

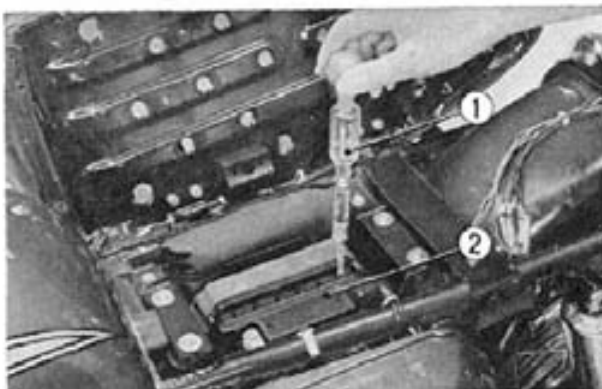


Fig. 19-15 ① Hydrometer
② Battery

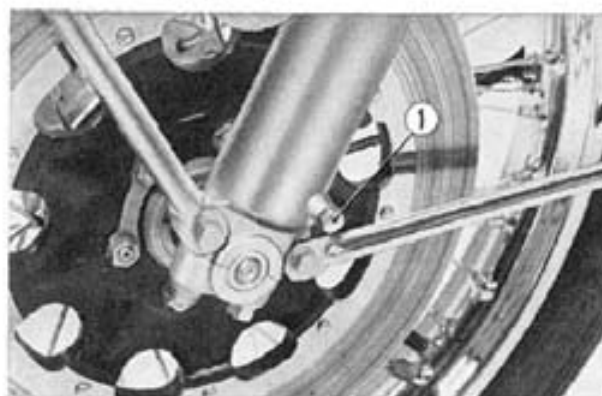


Fig. 19-16 ① Front fork drain plug

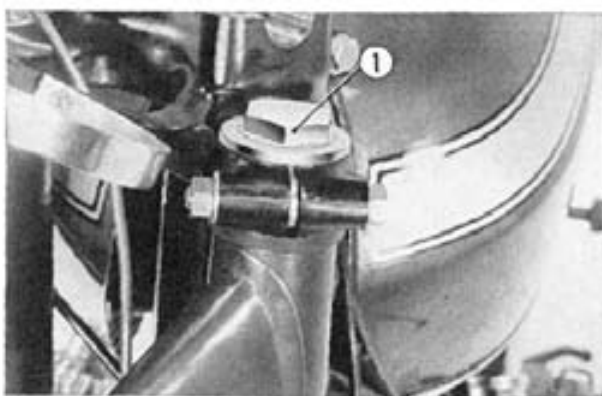


Fig. 19-17 ① Top filler plug

14. Service battery

- (1) Remove the left cover by pulling free of the rubber mounts and by raising the seat. Observe the electrolyte level from the left side at the motorcycle. If it is necessary add distilled water carefully to bring the electrolyte level of the cells between the lower and upper marks. (Fig. 19-14)
- (2) Remove the battery cell caps and check electrolyte specific gravity in each cell with a hydrometer. (Fig. 19-15)

If specific gravity reading drops below 1.200 at 68°F (20°C) the battery should be charged at a rate not to exceed 4.2Amps, until the reading becomes between 1.260 and 1.280 at 68°F (20°C).

- (3) Connect the voltmeter leads to the battery terminals, and measure the voltage. If the voltage is less than 12V after correcting to 77°F (25°C) electrolyte temperature the battery should be thoroughly checked and the problem diagnosed.

The correction of voltage to 77°F (25°C) should be based on the following formula.

$$V(77^{\circ}\text{F}) = Vt + 0.0378(t - 77)$$

$$V(25^{\circ}\text{C}) = Vt + 0.0378(t - 25)$$

(V: measured value of voltage, t: average electrolyte temperature of all cells)

Based on the result of the battery test, determination should be made whether the generator and the regulator requires testing. If the condition of the battery tests satisfactory, it will not necessary to check charging system during tune-up.

- (4) Inspect the condition of the both positive and negative battery terminals, positive terminal rubber cap, battery vent tube and the rubber band of the battery retainer, and if any of the items are defective, they should be replaced. Tighten all items securely.

Caution: Exercise extreme care in handling the battery as any battery electrolyte spilled on the painted surface will cause damage to the finish. Further, clean any dirt or corrosion from top of the battery.

15. Check and service front suspensions

- (1) Check the front fork assembly by locking the front brake and pumping the fork up and down vigorously. In this case the motorcycle must not be on the main stand.

If there is a slight knock felt in the steering