

BATTERY/CHARGING SYSTEM

CHARGING

Remove the battery cell caps. Fill the battery cells with distilled water to the upper level line, if necessary.

Connect the charger positive (+) cable to the battery positive (+) terminal.

Connect the charger negative (-) cable to the battery negative (-) terminal.

Charging current: 1.6 amperes max.

Charge the battery until specific gravity is 1.270–1.290 at 20°C (68°F).

WARNING

- Before charging a battery, remove the cap from each cell.
- Keep flames and sparks away from a charging battery.
- Turn power ON/OFF at the charger, not at the battery terminals to prevent sparks.
- Discontinue charging if the electrolyte temperature exceeds 45°C (113°F).

CAUTION:

- Quick-charging should only be done in an emergency; slow-charging is preferred.
- Route the breather tube as shown on the battery caution label.

After installing the battery, coat the terminals with clean grease.

CHARGING SYSTEM

CURRENT TEST

NOTE:

Be sure the battery is in good condition before performing this test.

Warm up the engine.

Remove the frame right side cover.

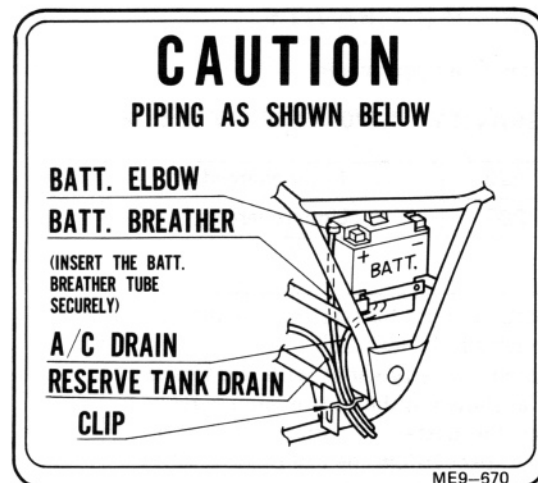
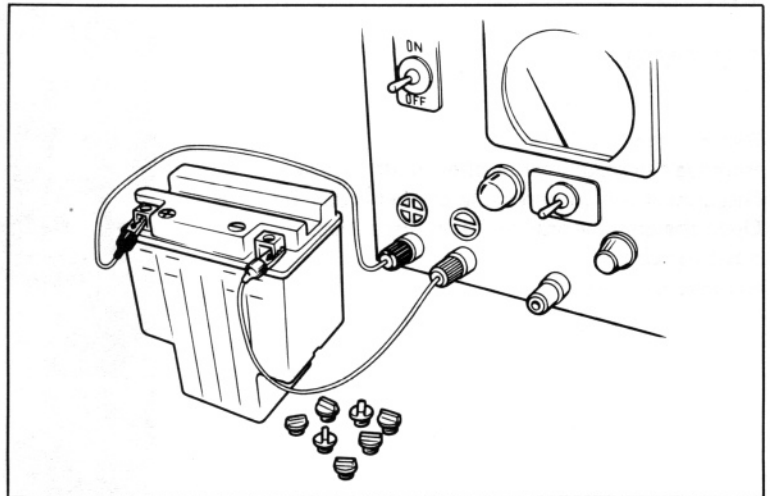
Disconnect the black wire at the regulator/rectifier coupler and disconnect the headlight.

Disconnect the battery positive cable at the battery terminal and connect an ammeter between the battery cable and terminal.

Allow the engine to idle.

Increase engine speed slowly. Charging amperage should be a minimum of 11.8 at 1,000 rpm and should be a minimum of 25.6 amperes at 5,000 rpm.

Check the stator (page 18-5) and then the regulator/rectifier (page 18-5), if the charging specifications are not met.



BATTERY POSITIVE
CABLE

BATTERY

