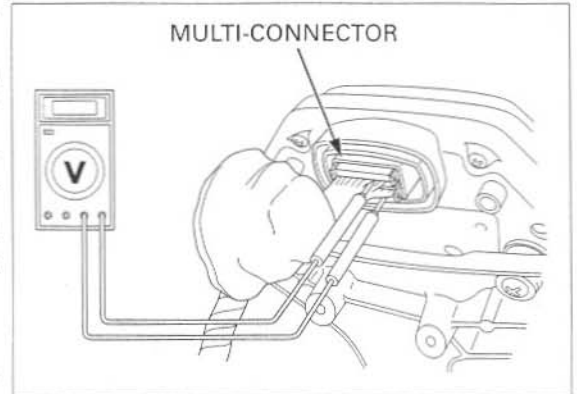


SPEEDOMETER/VEHICLE SPEED SENSOR (VSS)

SYSTEM INSPECTION

Check that the tachometer and coolant temperature meter function properly.

- If they do not function, perform the power and ground line inspection of the combination meter (page 20-12).
- If they function, shift the transmission into neutral, disconnect the combination meter multi-connector and turn the ignition switch ON. Measure the voltage between the Pink/green (+) and Green (-) wire terminals of the wire harness side connector. Slowly turn the rear wheel by hand. There should be 0 to 5 V pulse voltage.
- If pulse voltage appears, replace the combination meter print circuit board.
- If pulse voltage does not appear, check for open or short circuit in Pink/green wire. If the Pink/green wire is OK, check the VSS (page 20-13).



VEHICLE SPEED SENSOR (VSS) INSPECTION

Lift and support the fuel tank (page 6-61).

Disconnect the VSS 3P (Natural) connector and check for loose or poor contact of the connector. Also check for loose or poor contact of the engine sub-harness 12P (Gray) connector (page 1-22).

Turn the ignition switch ON and measure the voltage at the 3P (Natural) connector at the wire harness side.

CONNECTION: Black (+) – Green (-)
STANDARD: Battery voltage

If there is no voltage, check for open circuit in Black and Green wires and loosen contact of the wire harness connectors.

Disconnect the VSS 3P (Natural) connector. Support the motorcycle securely and place the rear wheel off the ground. Shift the transmission into neutral.

Measure the voltage at the sensor connector terminals with the ignition switch ON while slowly turning the rear wheel by hand.

CONNECTION: Pink (+) – Green (-)
STANDARD: Repeat 0 to 5V

If the measurement is out of specification, replace the VSS.

