

TROUBLESHOOTING**SPEED SENSOR/SPEEDOMETER**

The speedometer and odometer/trip meter indicates "----".

Faulty E²-ROM in ECM

The odometer/trip meter operate normally, but the speedometer does not operate
Faulty speedometer in combination meter

The speedometer operate normally, but the odometer/trip meter does not operate
Faulty odometer/trip meter in combination meter

The speedometer operates abnormally

1. Fuse Inspection

Check for blown main fuse or sub fuse.

Is the fuse blown?

YES – Replace the fuse

NO – GO TO STEP 2.

2. Battery Inspection

Make sure the battery is fully charged and in good condition.

Is the battery in good condition?

YES – GO TO STEP 3.

NO – Replace the battery

3. Vehicle Speed Sensor Power Input Voltage Inspection (Speed Sensor Side)

Check for loose or poor contact of the VSS 3P (Natural) connector.

With the ignition switch ON, and measure the voltage at the VSS connector.

Is there Battery Voltage?

NO – • Loose or poor contact of related terminals
• Open circuit in Black or Green wires between the battery and VSS

YES – GO TO STEP 4.

4. Vehicle Speed Sensor Power Input Voltage Inspection (Combination Meter Side)

Check for loose or poor contact of the combination meter multi-connectors.

With the ignition switch ON, and measure the voltage at bottom of the speedometer terminals.

Is there Battery Voltage?

NO – • Loose or poor contact of related terminals
• Open circuit in Black or Green wires between the battery and speedometer

YES – GO TO STEP 5.

5. Vehicle Speed Sensor Signal Line Inspection

With the ignition switch OFF, check for continuity of the Pink wire between the terminals of the VSS and speedometer.

Is there continuity?

NO – Open circuit in Pink wire

YES – GO TO STEP 6.

6. Vehicle Speed Sensor Signal Inspection

Support the motorcycle using a hoist or other support to rise the rear wheel off the ground.

Measure the output voltage (sensor signal) at the speedometer with the ignition switch is ON while slowly turning the rear wheel by your hand.

CONNECTION: Pink (+) – Green (-)

STANDARD: Repeat 0 to 5 V

Is the voltage as specified?

NO – • Faulty VSS
• Loose VSS mounting bolts

YES – Faulty speedometer