

SPEEDOMETER/SPEED SENSOR

SYSTEM INSPECTION

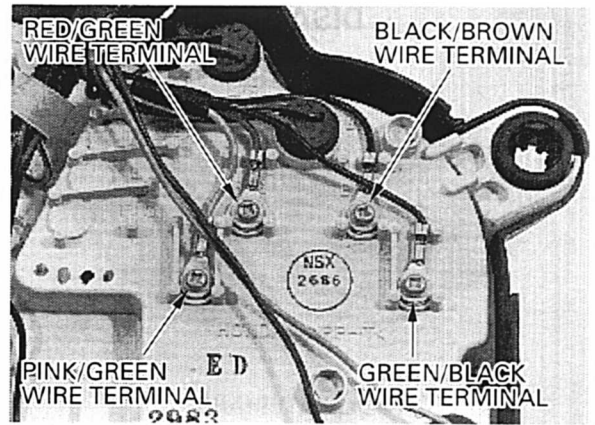
Remove the three bolts and the instrument assembly from the stay (page 19-6).

Check the continuity between the green/black wire terminal and body ground.
There should be continuity.
If there is no continuity, check for open circuit in the green/black wire.

Measure the voltage between the red/green (+) and green/black (-) wire terminals.
There should be battery voltage at all time.
If there is no voltage, check for open circuit in red/green wire.

Turn the ignition switch ON and measure the voltage between the black/brown (+) and green/black (-) wire terminals.
There should be battery voltage.
If there is no voltage, check for open circuit in black/brown wire.

Shift the transmission in neutral and turn the ignition switch ON.
Measure the voltage between the pink/green (+) and green/black (-) wire terminals while slowly turning the rear wheel by hand.
There should be 0 to 5 V pulse voltage.
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 speed sensor.



SPEED SENSOR INSPECTION

Remove the seat (page 2-2).

Turn the ignition switch ON and measure the voltage between the black/brown (+) and green/black (-) wire terminals at the speed sensor 3P (white) connector.
There should be battery voltage.
If there is no voltage, check for open circuit in black/brown and green/black wires.

Shift the transmission in neutral and turn the ignition switch ON.
Measure the voltage between the pink/green (+) and green/black (-) wire terminals while slowly turning the rear wheel by hand.
There should be 0 to 5 V pulse voltage.

