

(1) CONNECTOR 6P

**Power input line**

Measure the voltage between the connector 6P of the speedometer and the ground.

**Connection:** White/Red(+) – Ground (-)

With the engine on, around 12V should be received.

If there is no voltage, check the existence of an open circuit in the White/Red wire.

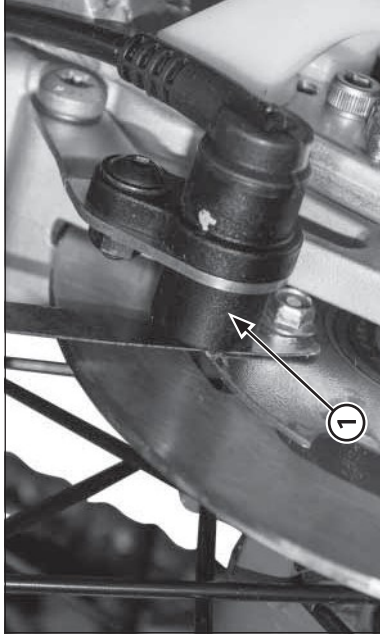
**Ground line**

Measure the continuity between the connector 6P of the speedometer and the ground.

**Connection:** Green – Ground

There must be continuity at all times.

If there is no continuity, check the existence of an open circuit in the green wire.



(1) SPEED SENSOR

**Speed sensor (2ED)**

**System check**

**NOTICE**

*Before starting this inspection, check the inspection of the speedometer system.*

**Checking the air gap**

Safely support the motorcycle with a lifting device or equivalent and raise the wheel off the ground.

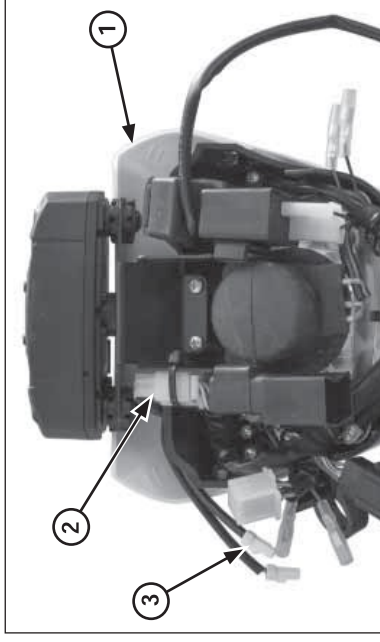
Measure the gap (air gap) between the sensor and the pulse generator ring at different points by turning the wheel slowly.

It must be within the specification.

**Standard: 0.5 – 1.5 mm (0.031 – 0.035 in)**

The air gap cannot be adjusted.

If it is not within the specification, check whether there are deformities, damage or if any of the parts assembled are loose.



(1) HOUSING FOR THE UPPER HEADLIGHT  
(2) CONNECTOR 6P  
(3) CONNECTOR 3P

**Checking the speed sensor**

Remove the housing for the upper headlight.

Check if there are loose or defective contacts in the connector 3P (white) of the speed sensor.

Connect the connector 3P (white) of the speed sensor.

Start the engine.

Measure the voltage between the terminals of the connector 3P (white) of the speed sensor on the wire side.

**Connection:** Red (+) and Black (-)  
**Standard:** 5V.

If the standard voltage appears, replace the speed sensor.

If there is no standard voltage, check the following:

- The blue wire in case there is an open circuit.
- The red wire in case there is an open circuit.
- Speedometer.