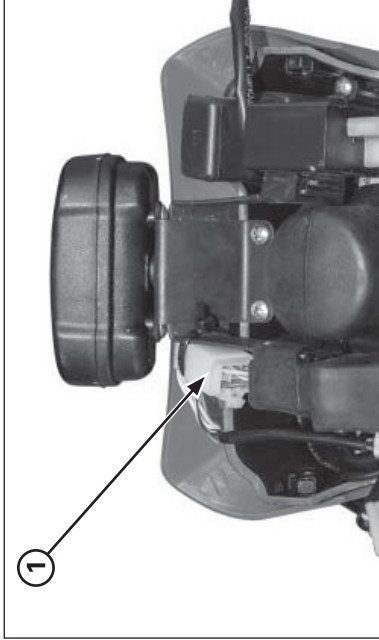


## Electrical servicing



(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.

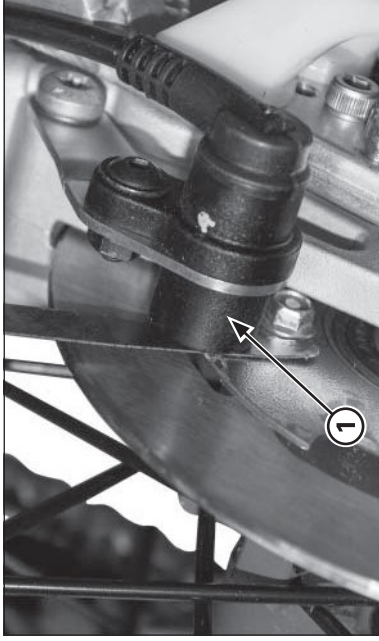
### Ground line

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

#### System check

#### NOTICE

- Before starting this inspection, check the inspection of the speedometer system.
- Do not disconnect the connectors 6P and 3P of the speedometer during the checks.

Shift the transmission into neutral.

Start the engine, with the connectors 6P and 3P of the speedometer connected, measure the voltage between the following terminals of the connector 3P of the speedometer.

**Connection:** Red (+) and Blue (-)

Turn the rear wheel slowly and manually. A pulse voltage between 0 and 5 V is required.

If the pulse voltage appears, replace the speedometer.

If there is no pulse voltage, check the following:

- Air gap.
- The Blue wire in case there is an open circuit or short circuit.
- The Red wire in case there is an open circuit.

If the wires are working properly, check the speed sensor.

#### 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.