



# AIR CONDITIONING PRESSURE SENSOR

## ON-VEHICLE INSPECTION

### 1. CHECK PRESSURE SENSOR

- (a) Check the wire harness.
  - (1) Disconnect the connector from the pressure sensor.
  - (2) Measure the resistance of the wire harness side connector.

**Standard resistance**

Tester Connection	Specified Condition
1 - Body ground	Below 1 Ω

- (3) Measure the voltage of the wire harness side connector.

**Standard voltage**

Tester Connection	Specified Condition
1 - 3	10 to 14 V

- (b) Check the pressure sensor.
  - (1) Set the manifold gauge.
  - (2) Connect the connector to the pressure sensor.
  - (3) Warm up the engine.
  - (4) Turn the A/C switch ON.
  - (5) Measure the voltage of the sensor connector.

**Standard voltage**

Tester Connection	Condition	Specified Condition
A17-12 (PRE) - A17-10 (SG-1)	0.176 to 3.025 MPa (1.8 to 32 kgf/cm <sup>2</sup> , 25 to 455 psi)	0.76 to 4.74 V

If the result is not as specified, replace the sensor.

