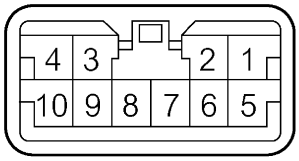
550W7–01

ON–VEHICLE INSPECTION

1. INSPECT AIR CONDITIONING AMPLIFIER ASSY



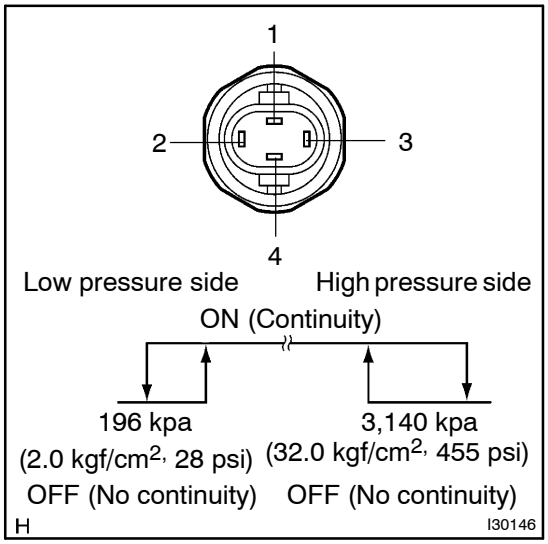
H E56030

(a) Connect the connector to heater amplifier and inspect wire harness side from the back side, as shown in the chart below.

Standard:

Symbols (Terminal No.)	Condition	Specified Condition
PRS (1) ⇔ GND (4)	Start engine Refrigerant pressure: Normally → Less than 0.19 MPa (2.0 kgf·cm2, 28 psi) or more than 3.14 MPa (32 kgf·cm, 455 psi)	20 – 28 → Below 2.0 V
TE (2) ⇔ SG (10)	Ignition switch: ON Evaporator temp.: 0°C (32°F) → 15°C (59°F)	0°C: 2.1 – 2.5 V 15°C: 1.2 – 1.6 V
GND (4) ⇔ Body ground	Always	Continuity
A/C (5) ⇔ GND (4)	Blower switch: ON A/C switch: OFF → ON	Below 2.0 V → 20 – 28 V
B/V (6) ⇔ SG (10)	Ignition switch: ON Evaporator temp.: 0°C (32°F) → 15°C (59°F)	0°C: 2.9 – 3.3 V 15°C: 2.1 – 2.5 V
IG (7) ⇔ GND (4)	Ignition switch: OFF → ON	Below 2.0 V → 20 – 28 V
MGC (9) ⇔ GND (4)	Start engine A/C switch: OFF → ON (Magnetic clutch: OFF → ON)	20 – 28 V → Below 2.0 V
SG (10) ⇔ Body ground	Always	Continuity
15B–FTE: ACT (3) ⇔ GND (4)	Engine Idling → Rapid Accelate	20 – 28 V → Below 2.0 V

If circuit is as specified, try replacing the amplifier with a new one. If the circuit is not as specified, inspect the circuits connected to other parts.



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2. CHECK PRESSURE SWITCH NO.1

(a) Magnetic clutch control:

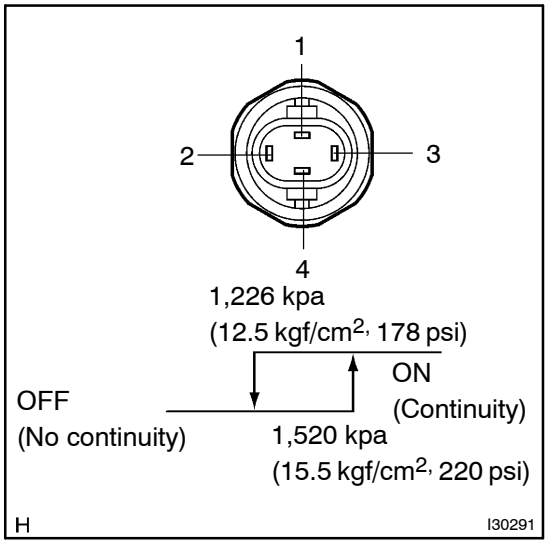
Check pressure switch operation.

(1) Set on the manifold gauge set.

(2) Connect the positive (+) lead from the ohmmeter to terminal 4 and the negative (–) lead to terminal 1.

(3) Check continuity between terminals when refrigerant pressure is changed, as shown in the illustration.

If operation is not as specified, replace the pressure switch.



(b) Cooling fan control:
Check pressure switch operation.
(1) Connect the positive (+) lead from the ohmmeter to terminal 2 and the negative (–) lead to terminal 3.
(2) Check continuity between terminals when refrigerant pressure is changed, as shown in the illustration.

If operation is not as specified, replace the pressure switch.