



## HEATER AMPLIFIER (w/ Viscous Heater)

### INSPECTION

AC1UK-01

#### 1. REMOVE HEATER AMPLIFIER

- (a) LHD Models:  
Remove the engine (and ECT) ECU.
- (b) Disconnect the connector.
- (c) Remove the screw and amplifier.

#### 2. INSPECT AMPLIFIER CIRCUIT

Connect the connector to amplifier and inspect the wire harness connector from the back side, as shown in the chart.

Test conditions:

- Running engine at idle speed
- A/C switch ON

Tester connection	Condition	Specified condition
1 – Ground	Constant	Battery voltage
	Turn ignition switch to LOCK or ACC	No voltage
2 – Ground	Power heater switch OFF	Battery voltage
	Power heater switch ON	Below 1.0 V
3 – Ground	Viscous heater magnetic clutch OFF	No voltage
	Viscous heater magnetic clutch ON	Below 1.0 V
4 – Ground	Constant	Continuity
7 – Ground	Power heater switch OFF	Battery voltage
	Power heater switch ON	Below 1.0 V
8 – Ground	Power heater switch OFF	Below 2.0 V
	Power heater switch ON	Battery voltage
9 – Ground	Viscous heater magnetic clutch OFF	Battery voltage
	Viscous heater magnetic clutch ON	Below 1.0 V
5 – Ground	A/C compressor magnetic clutch OFF	Below 1.0 V
	A/C compressor magnetic clutch ON	Battery voltage

If the circuits is as specified, replace the amplifier. If the circuits is not as specified, inspect the circuits connected to other parts.