

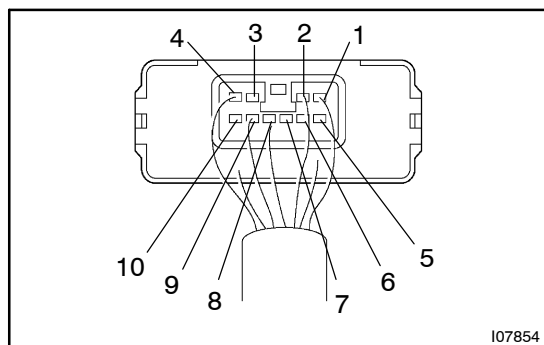
HEATER AMPLIFIER (w/ Viscous Heater)

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.