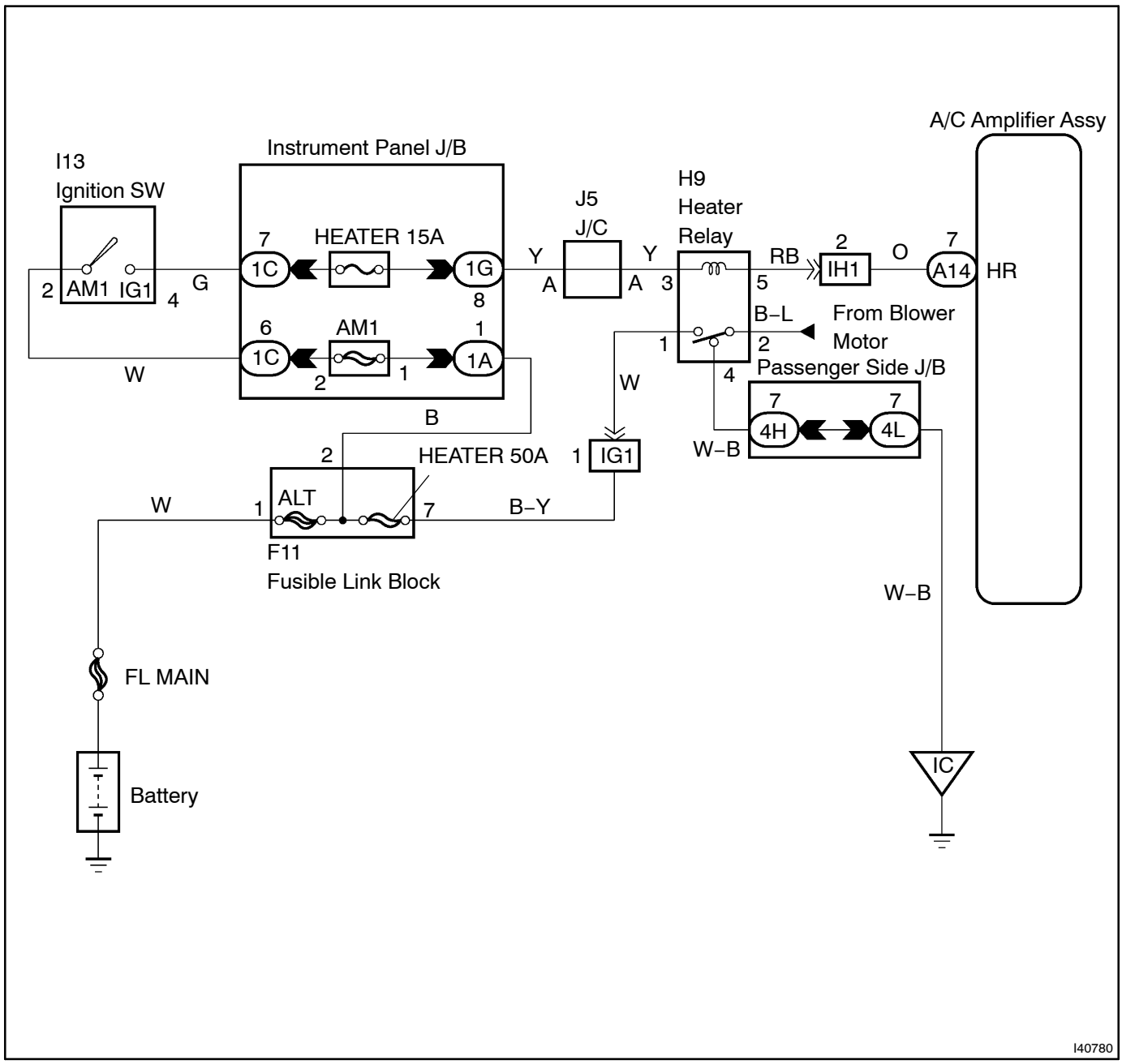
HEATER RELAY CIRCUIT

CIRCUIT DESCRIPTION

The heater relay is switched on by signals from the A/C amplifier assy. It supplies power to the blower motor.

WIRING DIAGRAM



INSPECTION PROCEDURE

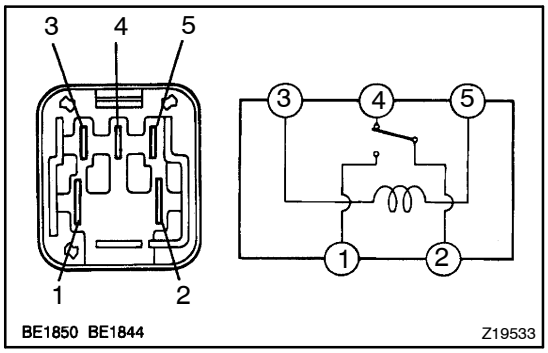
1	CHECK FUSE(15 A HEATER, 50 A HEATER, AM1 FUSES)

(a) Remove the 15 A HEATER and AM1 fuses from the instrument panel J/B.
(b) Remove the 50 A HEATER fuse from fusible link block.
(c) Check that the continuity exists in 15 A HEATER, 50 A HEATER and AM1 fuses.

NG → REPLACE FUSE

OK

2	INSPECT HEATER BLOWER MOTOR RELAY ASSY



(a) Check that the continuity exists between each pair of terminals of heater blower motor relay assy, as shown in the chart.

Tester connection	Condition	Specified condition
2 – 1	Always	10 kΩ or higher
2 – 4	Always	Below 1.0 Ω

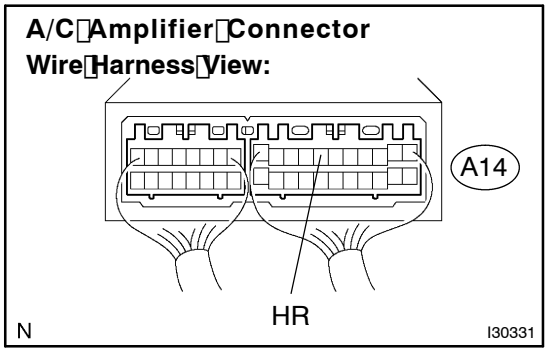
(b) Check continuity between each pair of terminals, as shown the chart.

Tester connection	Condition	Specified condition
2 – 1	When battery voltage is applied to terminals 3 and 5	Below 1.0 Ω
2 – 4	When battery voltage is applied to terminals 3 and 5	10 kΩ or higher

NG → REPLACE HEATER BLOWER MOTOR RELAY ASSY

OK

3 INSPECT AIRCONDITIONER AMPLIFIER ASSY(HR)



(a) Remove the A/C amplifier assy with connectors still connected.

(b) Measure the voltage according to the value(s) in the table below.

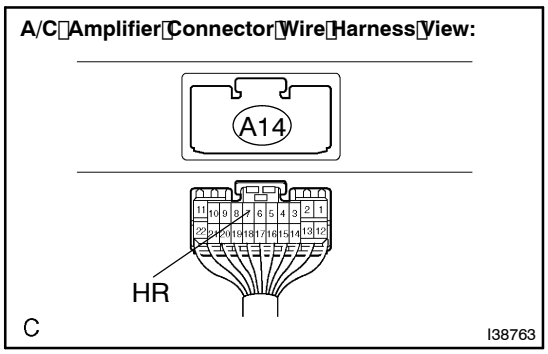
Standard:

Tester connection	Condition	Specified condition
A14–7 (HR) – Body ground	Ignition switch OFF	0 V
A14–7 (HR) – Body ground	Ignition switch ON Blower switch ON	Below 1.0 V
A14–7 (HR) – Body ground	Ignition switch ON Blower switch OFF	10 to 14 V

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–435)**

NG

4 CHECK HARNESS AND CONNECTOR



(a) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A14–7 (HR) – Body ground	Ignition switch OFF → ON	Below 1 V → 10 to 14 V

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

REPAIR OR REPLACE AIRCONDITIONER AMPLIFIER ASSY