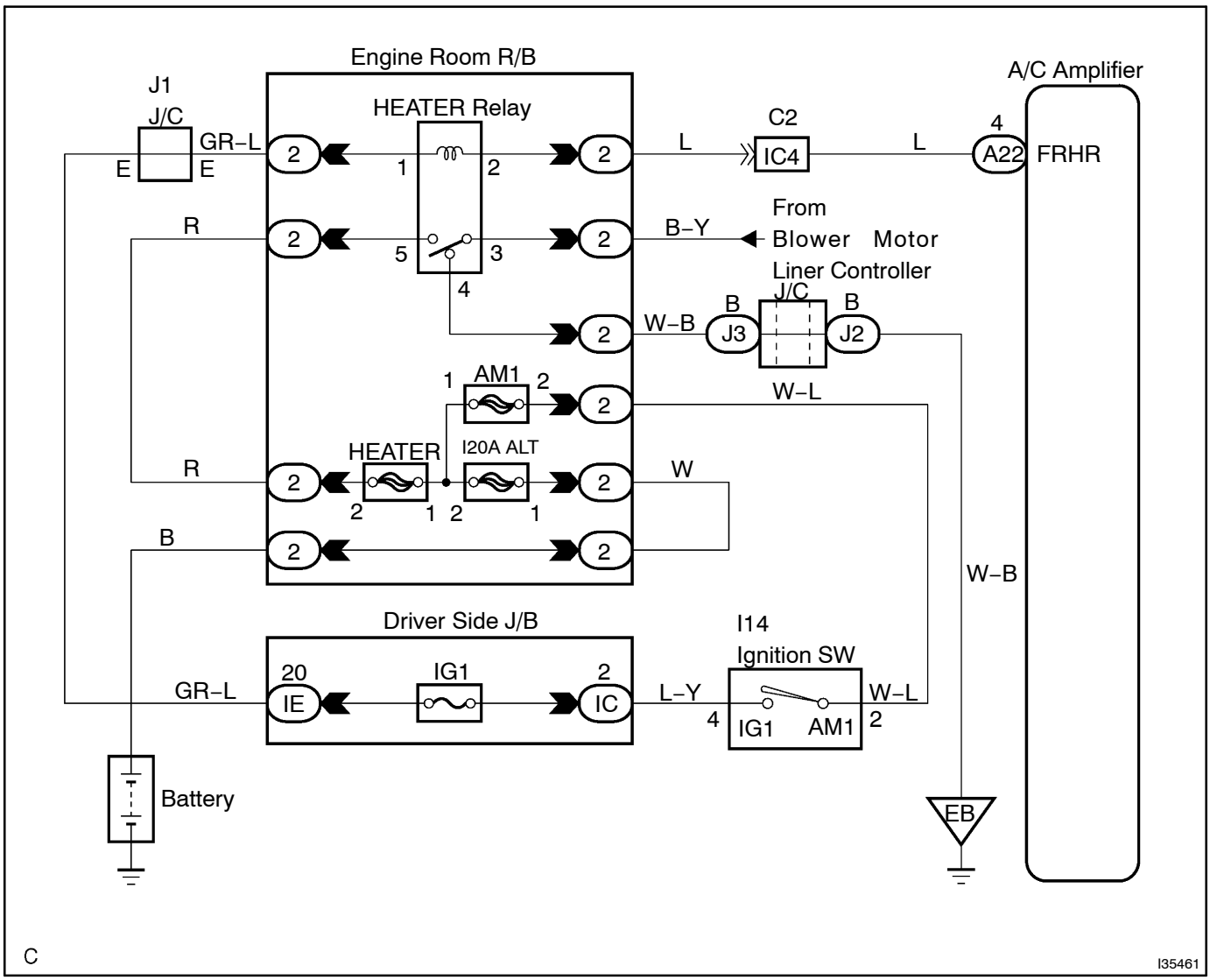
HEATER RELAY CIRCUIT

CIRCUIT DESCRIPTION

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

WIRING DIAGRAM



INSPECTION PROCEDURE

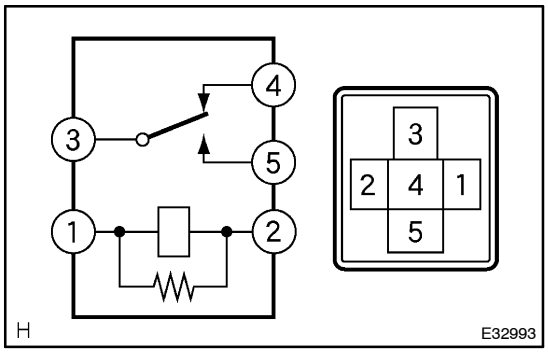
1	CHECK FUSE(IG1)

(a) Remove the IG1 fuse from the driver side J/B or J/B No.1.
(b) Check that continuity exists in the IG1 fuse.

NG → **REPLACE FUSE**

OK

2	INSPECT HEATER RELAY NO.1



(a) Check that continuity exists between each pair of the terminals of the heater relay No. 1, as shown in the chart.
Standard:

Tester connection	Specified condition
3 – 5	No continuity
3 – 4	Continuity
1 – 2	62.5 to 90.9 Ω

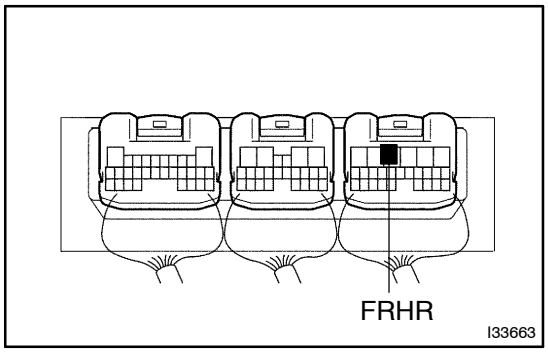
(b) Apply battery voltage between the terminal 1 and 2.
(c) Check continuity of each pair of the terminals, as shown in the chart.
Standard:

Tester connection	Specified condition
3 – 5	Continuity
3 – 4	No continuity

NG → **REPLACE HEATER RELAY NO.1**

OK

3	CHECK HARNESS AND CONNECTOR(A/C AMPLIFIER – BATTERY)



(a) Remove the A/C amplifier.
(b) Measure the voltage between the terminal FRHR of the A/C amplifier and the body ground when the ignition switch is ON and OFF.
Standard:
Ignition switch OFF: 0V
Ignition switch ON Blower switch ON: Below 1 V
Ignition switch ON Blower switch OFF: 10 to 14 V

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

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE
(See page 05–349)