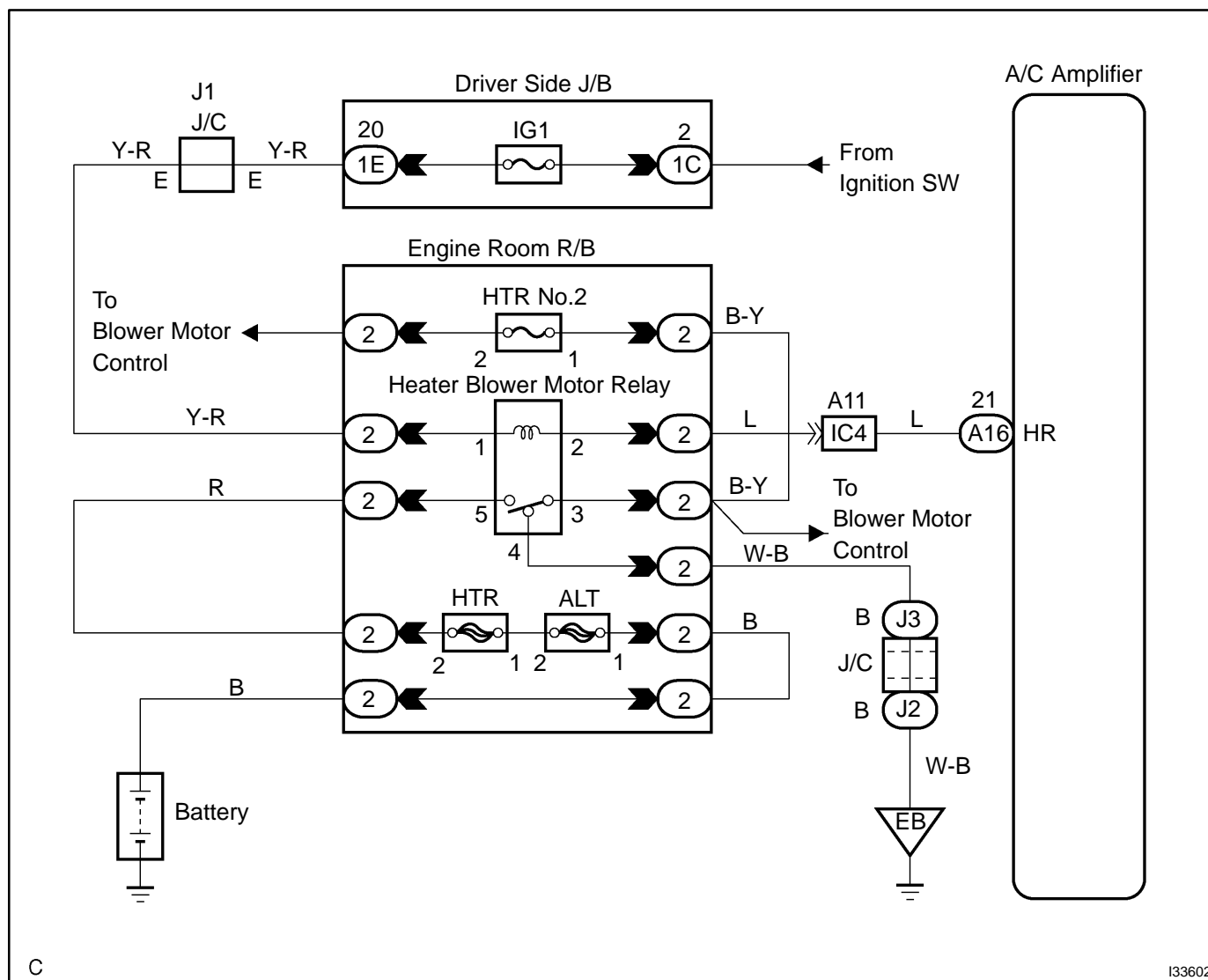


HEATER RELAY CIRCUIT

CIRCUIT DESCRIPTION

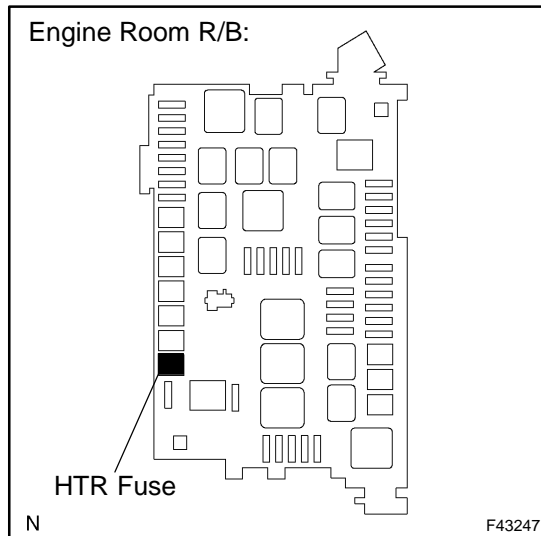
The heater relay is switched on by signals from the A/C amplifier. It supplies power to the blower motor.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK FUSE(HTR)



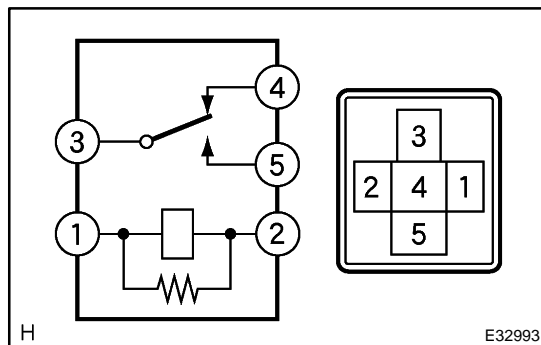
- (a) Remove the HTR fuse from the engine room R/B.
 - (b) Check that the continuity exists in the HTR fuse.
- Standard: Continuity exists.**

NG

REPLACE FUSE

OK

2 INSPECT HEATER BLOWER MOTOR RELAY ASSY



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

Standard:

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

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

Standard:

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

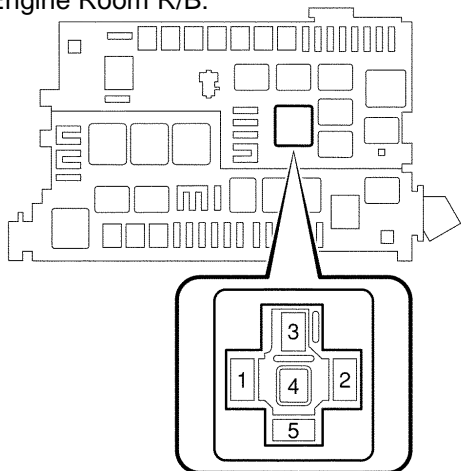
NG

REPLACE HEATER BLOWER MOTOR RELAY ASSY

OK

3 CHECK HARNESS AND CONNECTOR(BETWEEN HEATER BLOWER MOTOR RELAY AND BATTERY)

Engine Room R/B:



P

I33590

- Remove the heater blower motor relay assy from the engine room R/B.
- Measure voltage between each terminal of engine room R/B and body ground under each condition, as shown in the chart below.

Voltage:

Tester connection	Condition	Voltage (V)
1 - Body ground	Turn ignition switch to ON	10 - 14 V
5 - Body ground	Always	10 - 14 V

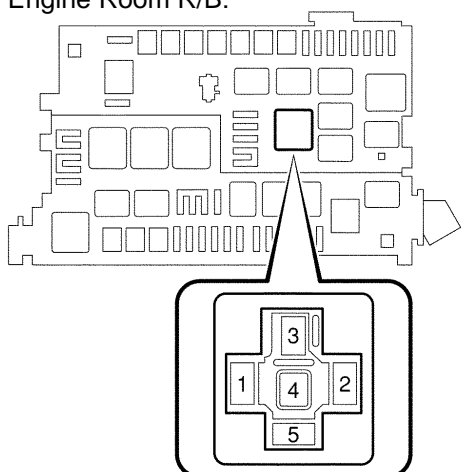
NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

4 CHECK HARNESS AND CONNECTOR(BETWEEN HEATER BLOWER MOTOR RELAY AND BODY GROUND)

Engine Room R/B:



P

I33590

- Remove the heater blower motor relay assy from the engine room R/B
- Measure resistance between terminal 4 of the engine room R/B and body ground.

Resistance: Below 1.0 Ω (Continuity)

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

5**CHECK HARNESS AND CONNECTOR(BETWEEN HEATER BLOWER MOTOR RELAY AND AIR CONDITIONING AMPLIFIER)**

- (a) Check for open and short circuit in the harness and the connector between the heater blower motor relay and the A/C amplifier (See page [01-35](#)).

NG**REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE**