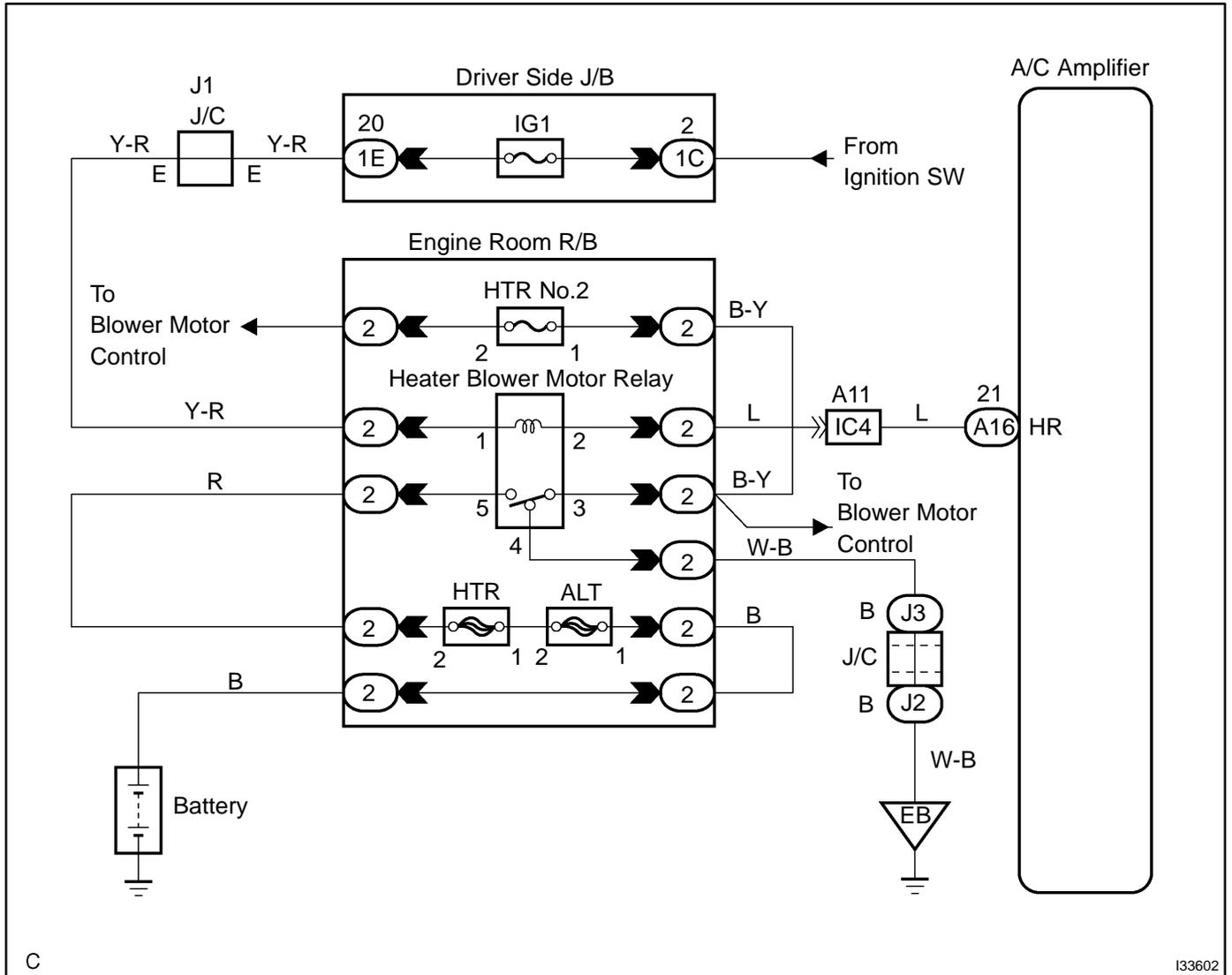


HEATER RELAY CIRCUIT

CIRCUIT DESCRIPTION

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

WIRING DIAGRAM

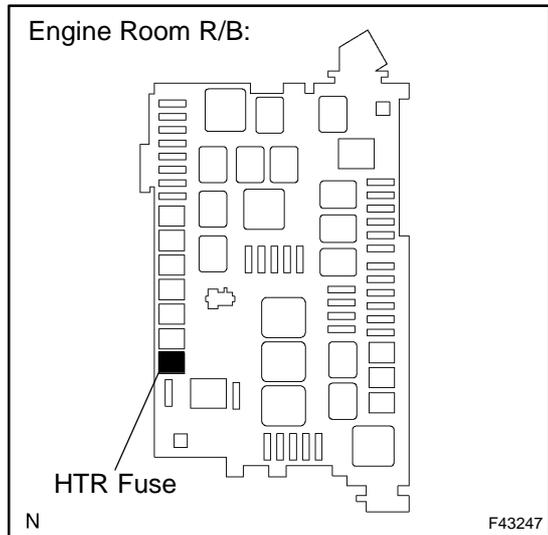


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INSPECTION PROCEDURE

1 CHECK FUSE(HTR)

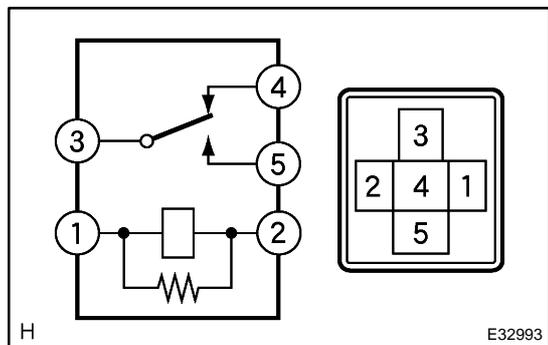


- (a) Remove the HTR fuse from the engine room R/B.
 - (b) Check that the continuity exists in the HTR fuse.
- Standard: Continuity exists.**

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.

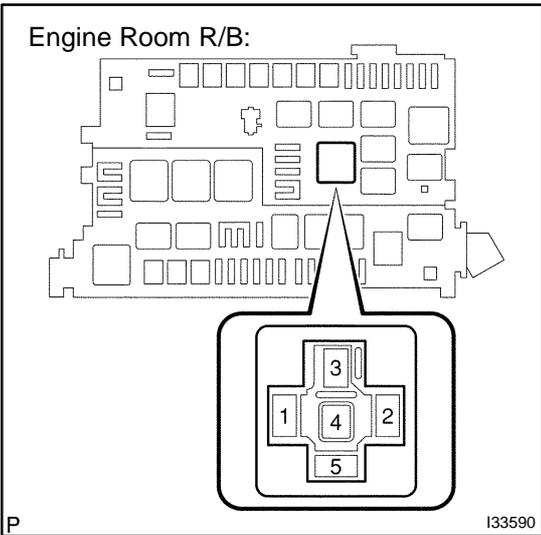
Standard:

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)



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

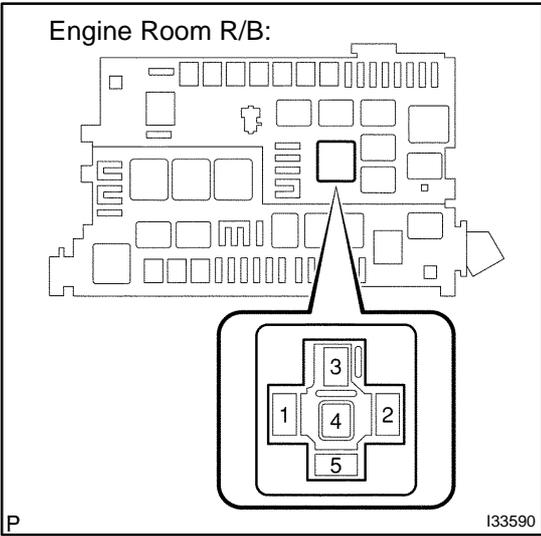
Voltage:

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)



- (a) Remove the heater blower motor relay assy from the engine room R/B
- (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)
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- (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