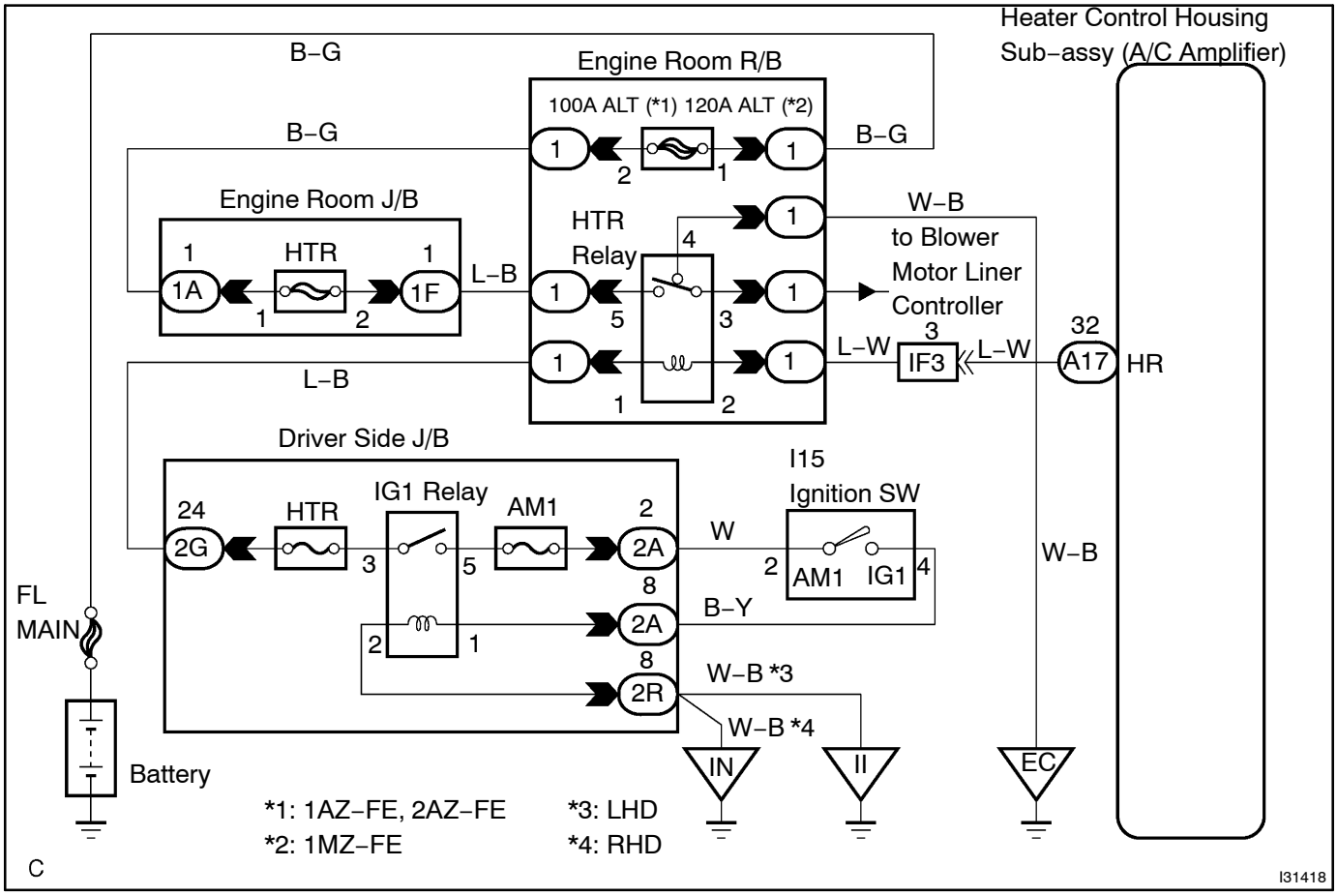
HEATER RELAY CIRCUIT

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

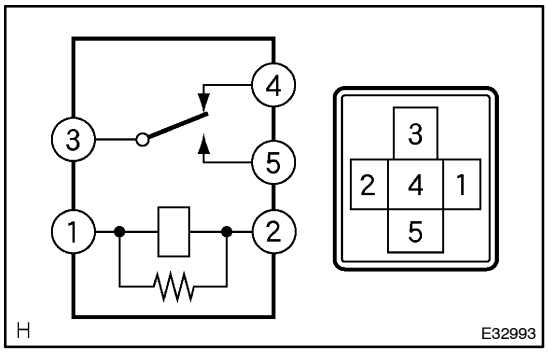
1	CHECK FUSE(HTR)

(a) Remove the HTR fuse from the engine room J/B.
(b) Check that the continuity exists of HTR fuse.

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.
Standard:

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

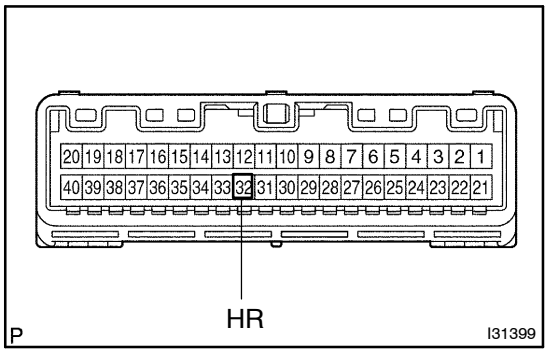
(b) Apply battery voltage between terminals 1 and 2.
(c) Check continuity each pair of terminals, as shown the chart.
Standard:

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 CONTROL HOUSING SUB–ASSY AND BATTERY)



(a) Remove the A/C amplifier with connectors still connected.
(b) Measure voltage between terminal HR of A/C amplifier and body ground when ignition switch is ON and OFF.
Voltage:
Ignition switch OFF: 0 V
Ignition switch ON (Blower switch ON): Below 1 V
Ignition switch ON (Blower switch OFF): 10 – 14 V

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

OK

4	CHECK HARNESS AND CONNECTOR(BETWEEN BLOWER W/FAN MOTOR, BLOWER MOTOR CONTROL AND BATTERY)

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOM TABLE