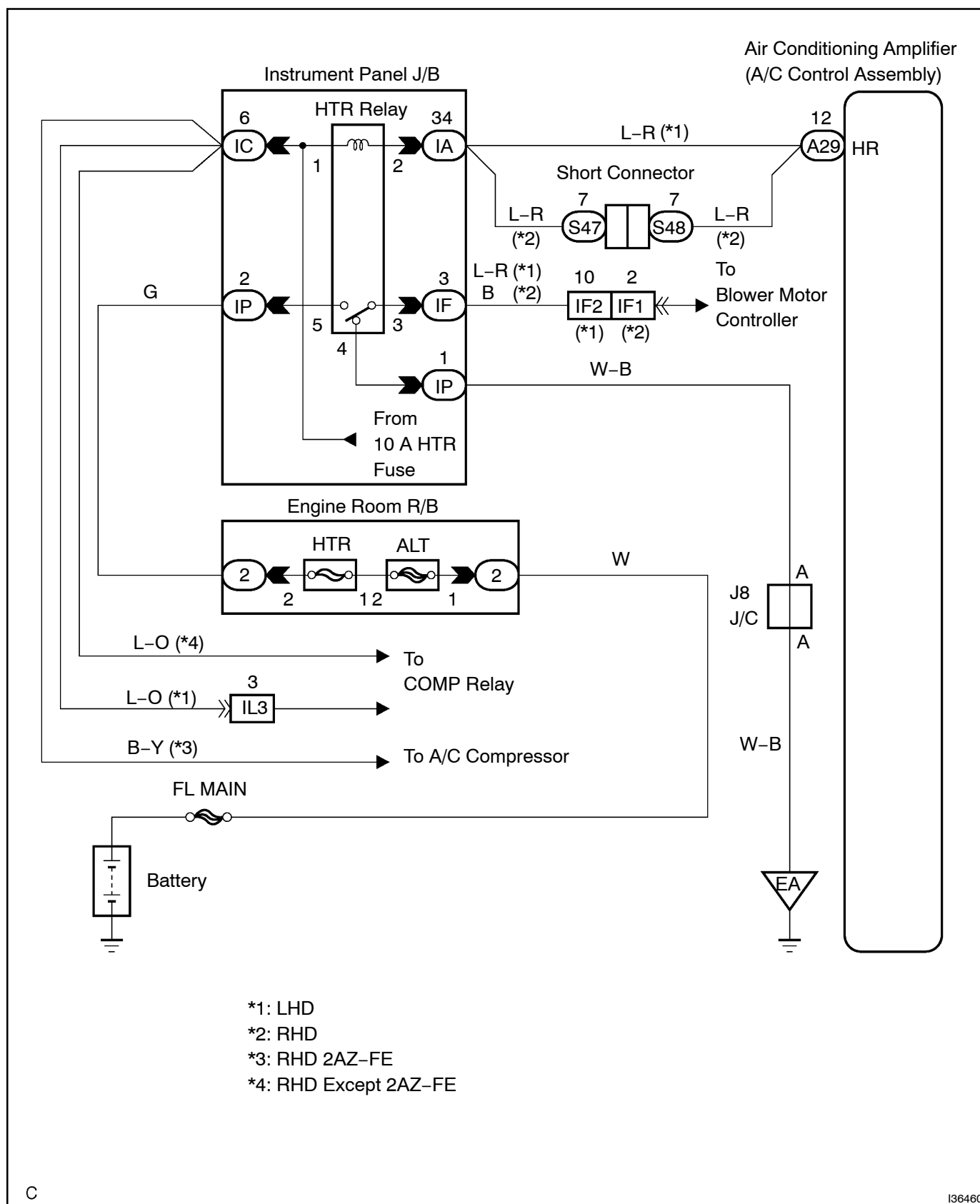


## HEATER RELAY CIRCUIT

### CIRCUIT DESCRIPTION

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

## WIRING DIAGRAM



## INSPECTION PROCEDURE

## 1 CHECK FUSE (HTR)

- (a) Remove the HTR fuse from the engine room J/B.  
 (b) Measure the resistance according to the value(s) in the table below.

**Standard:**

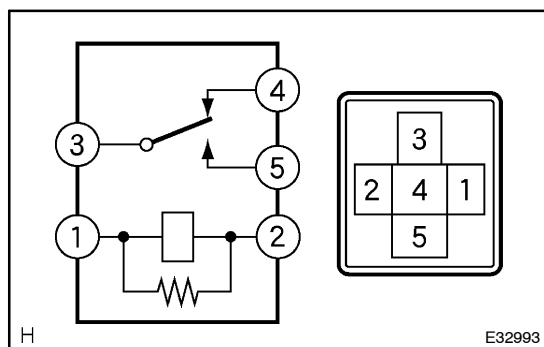
Tester Item	Condition	Specified Condition
HTR fuse	Always	Below 1 $\Omega$

NG

**CHECK FOR SHORT IN ALL HARNESS AND COMPONENTS CONNECTED FAILURE FUSE (HTR FUSE)**

OK

## 2 INSPECT HEATER RELAY



- (a) Remove the heater relay from the instrument panel J/B.  
 (b) Measure the resistance according to the value(s) in the table below.

**Standard:**

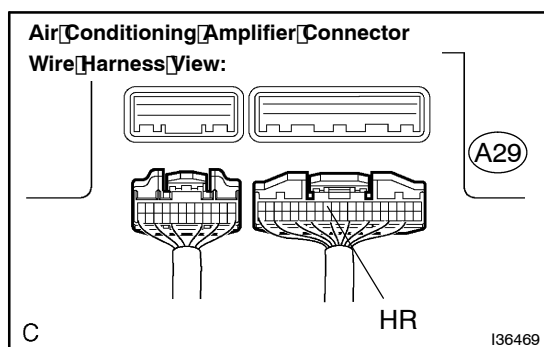
Tester connection	Condition	Specified condition
3 - 5	Always	10 k $\Omega$ or higher
3 - 5	When battery voltage applied to terminals 1 and 2	Below 1 $\Omega$
3 - 4	Always	Below 1 $\Omega$
3 - 5	When battery voltage applied to terminals 1 and 2	10 k $\Omega$ or higher

NG

**REPLACE HEATER RELAY**

OK

## 3 CHECK HARNESS AND CONNECTOR (BATTERY - AIR CONDITIONING AMPLIFIER) (SEE PAGE 01-32)



- (a) Disconnect the connector from the A/C amplifier.  
 (b) Measure the voltage according to the value(s) in the table below.

Tester connection	Condition	Specified condition
A29-12 (HR) - Body ground	Ignition switch ON	10 to 14 V

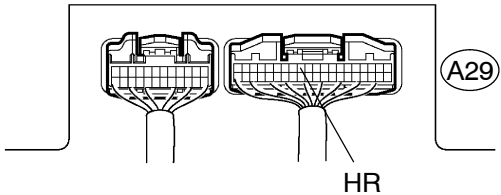
NG

**REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

4 CHECK HARNESS AND CONNECTOR (AIR CONDITIONING AMPLIFIER - BATTERY) (SEE PAGE 01-32)

Air Conditioning Amplifier Connector Wire Harness View:



- (a) Remove the A/C amplifier with the connectors still connected.
- (b) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Standard
A29-12(HR) - Body ground	Ignition switch position OFF Blower switch position OFF	Below 1 V
A29-12(HR) - Body ground	Ignition switch position ON Blower switch position ON	Below 1 V
A29-12(HR) - Body ground	Ignition switch position ON Blower switch position OFF	10 to 14 V

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05-862)