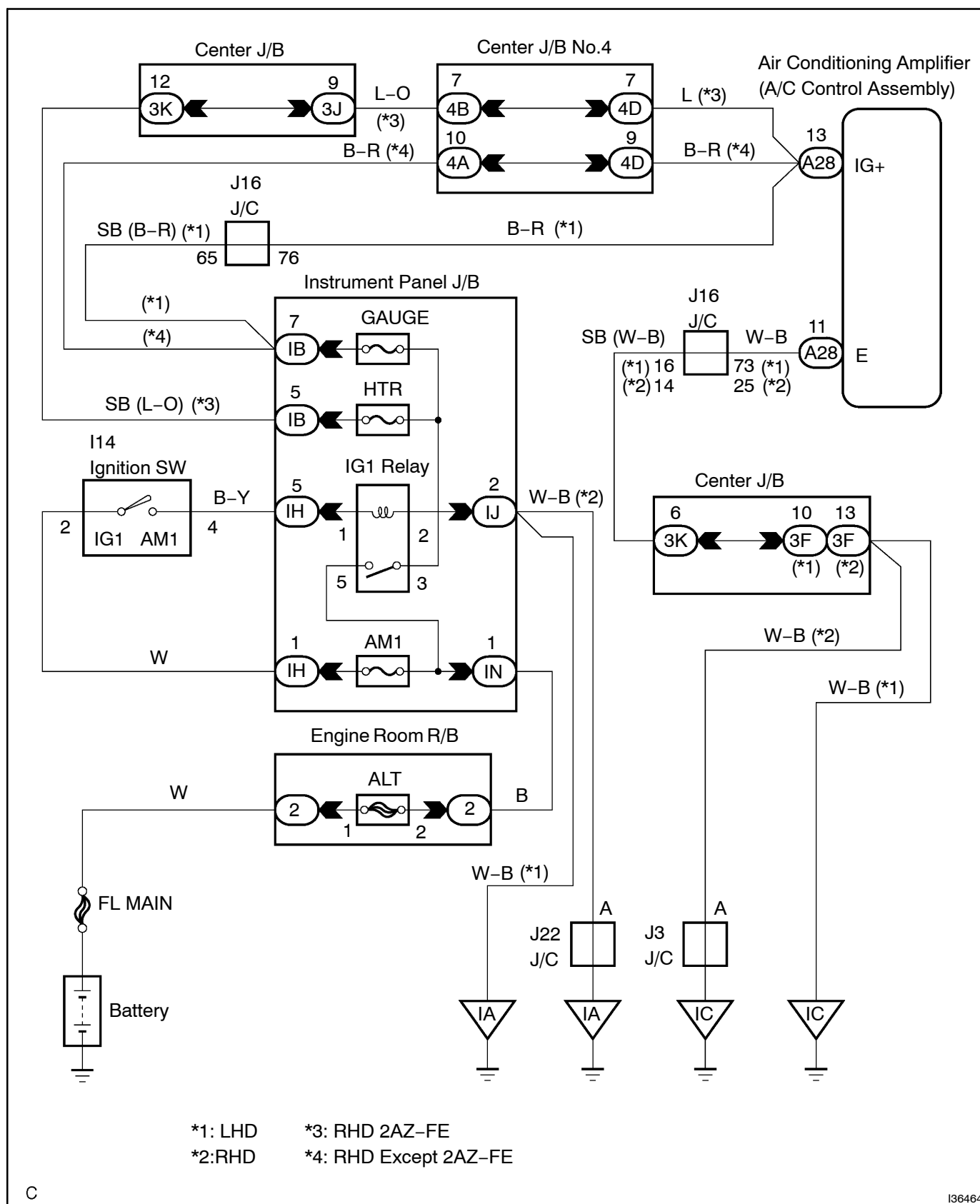


IG POWER SOURCE CIRCUIT

CIRCUIT DESCRIPTION

The main power source is supplied to the A/C amplifier when the ignition switch is turned to the ON position. The power source supplied is used for operating the A/C amplifier and servomotor, etc.

WIRING DIAGRAM



C

I36464

INSPECTION PROCEDURE

HINT:

Start the engine before inspection. Check the IG1 relay or battery if the engine does not start.

1 INSPECT FUSE(HTR, GAUGE)

- (a) Remove the HTR fuse(*1) or GAUGE fuse(*2) from the instrument panel J/B.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Item	Condition	Specified Condition
HTR fuse(*1)	Always	Below 1 Ω
GAUGE fuse(*2)	Always	Below 1 Ω

*1: 2AZ-FE model

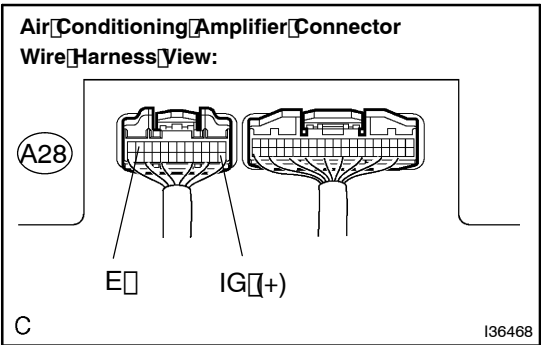
*2: Except 2AZ-FE model

NG

CHECK FOR SHORT IN ALL HARNESSES AND COMPONENTS CONNECTED TO FAILURE FUSE

OK

2 INSPECT AIR CONDITIONING AMPLIFIER(IG - GND)



- (a) Remove the A/C amplifier assy with the connectors still connected.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
A28-10(IG+) - A28-11(E)	Ignition switch ON	10 to 14 V

NG

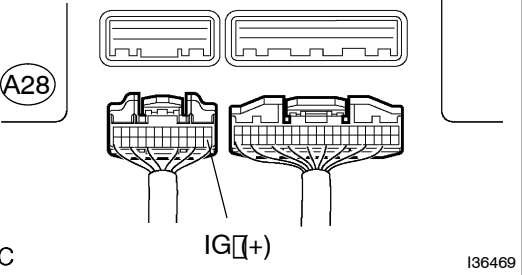
Go to step 3

OK

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

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

Air Conditioning Amplifier Connector
Wire Harness View:



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

Standard:

Tester connection	Condition	Specified condition
A28-19 (IG+) - Body ground	Ignition switch OFF → ON	Below 1.0 V → 10 to 14 V

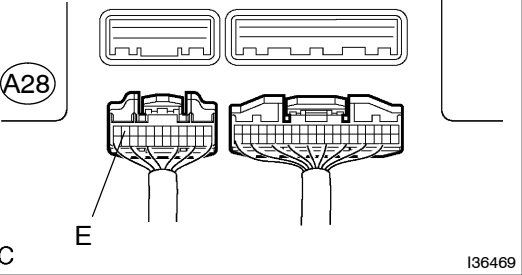
NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

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

Air Conditioning Amplifier Connector
Wire Harness View:



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

Standard:

Tester connection	Condition	Specified condition
A28-11 (E) - Body ground	Always	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE AIR CONDITIONING AMPLIFIER (SEE PUB. NO. RM864E ON PAGE 55-96)