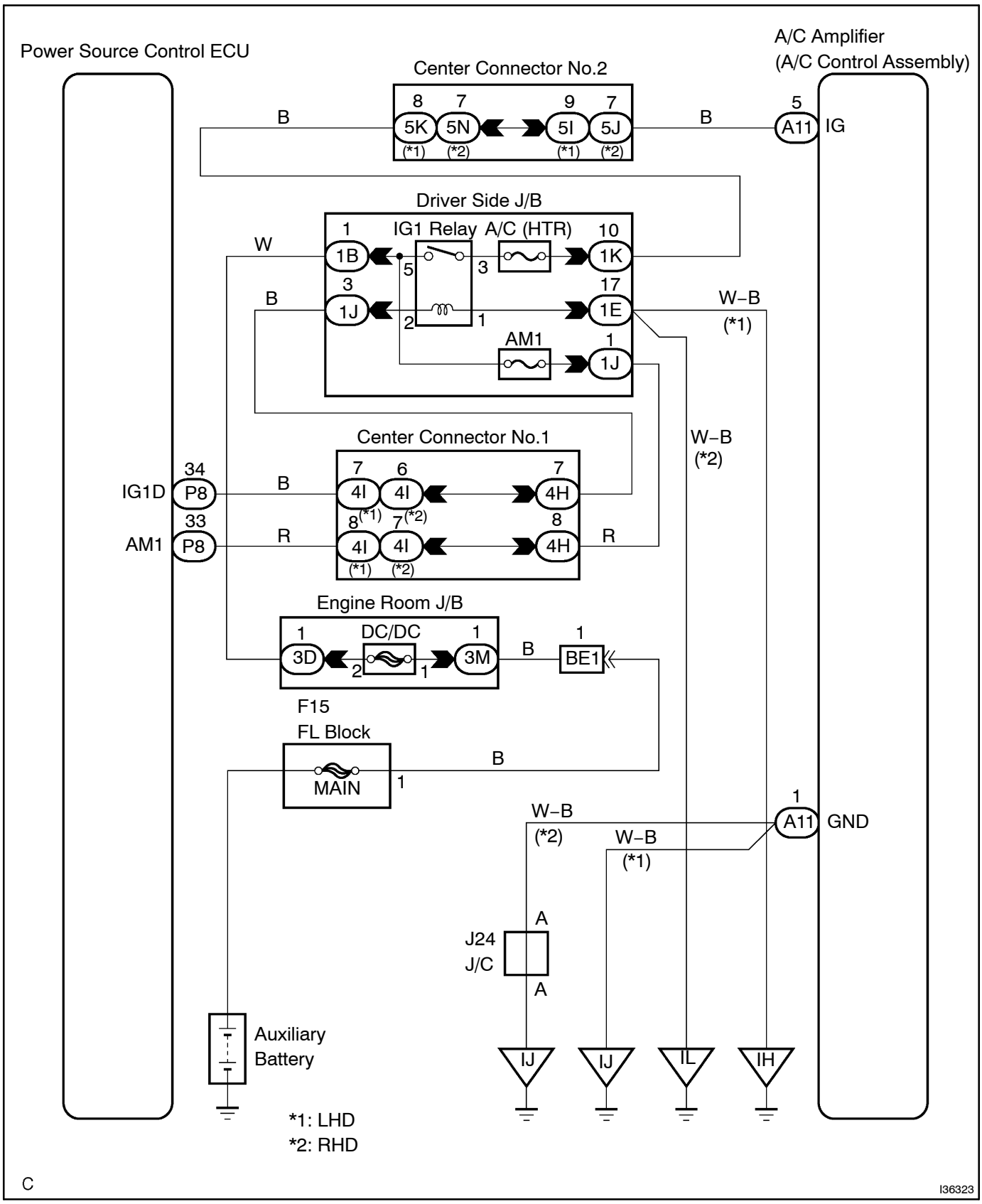
IG POWER SOURCE CIRCUIT

CIRCUIT DESCRIPTION

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

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT FUSE(A/C (HTR))

(a) Remove the A/C (HTR) fuse from the driver side J/B.
(b) Measure the resistance according to the value(s) in the table below.
Standard:

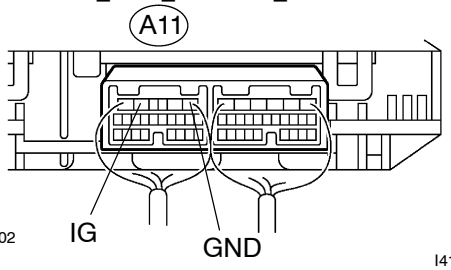
Tester item	Condition	Specified condition
A/C (HTR) fuse	Always	Below 1 Ω

NG → **CHECK FOR SHORT IN ALL HARNESS AND COMPONENTS CONNECTED FAILURE FUSE (A/C (HTR))**

OK

2	INSPECT AIR CONDITIONING AMPLIFIER(IG – BODY GROUND)

Air Conditioning Amplifier Connector Wire Harness View:



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

Tester connection	Condition	Specified condition
A11–5 (IG) – A11–1 (GND)	Power switch ON	10 to 14 V

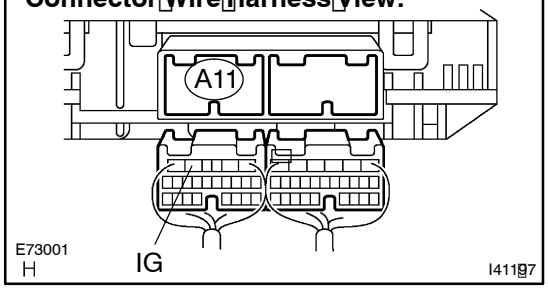
NG → **Go to step 3**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–1035)

3	CHECK HARNESS AND CONNECTOR(AIR CONDITIONING AMPLIFIER ASSY – BATTERY) (SEE PAGE 01–46)

Air Conditioning Amplifier Connector Wire Harness View:



(a) Measure the voltage according to the value(s) in the table below.

Standard:

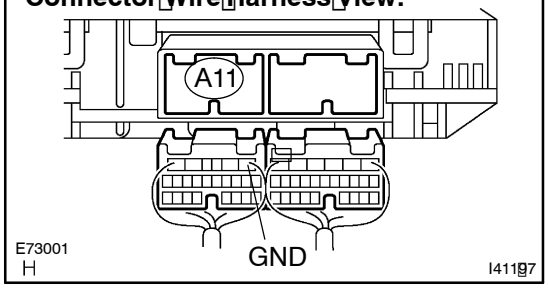
Tester connection	Condition	Specified condition
A11–5 (IG) – Body ground	Power switch ON	10 to 14 V

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

OK

4	CHECK HARNESS AND CONNECTOR(AIR CONDITIONING AMPLIFIER – BODY GROUND) (SEE PAGE 01–46)

Air Conditioning Amplifier Connector Wire Harness View:



(a) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A11–1 (GND) – Body ground	Always	Below 1 Ω

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

OK

REPLACE AIR CONDITIONING AMPLIFIER (SEE PAGE 55–52)