

## 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.



## 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.

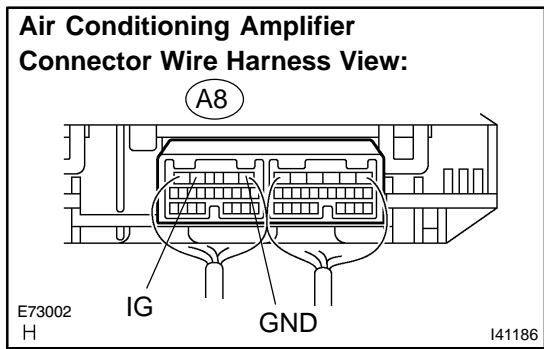
**Standard:**

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)



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

**Standard:**

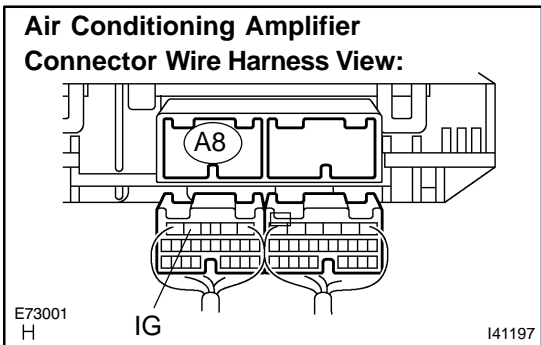
Tester connection	Condition	Specified condition
A8-5 (IG) - A8-1 (GND)	Power switch ON	10 to 14 V

**NG** → Go to step 3

**OK**

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05-1268)**

**3 CHECK HARNESS AND CONNECTOR(AIR CONDITIONING AMPLIFIER ASSY - BATTERY) (SEE PAGE 01-47)**



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

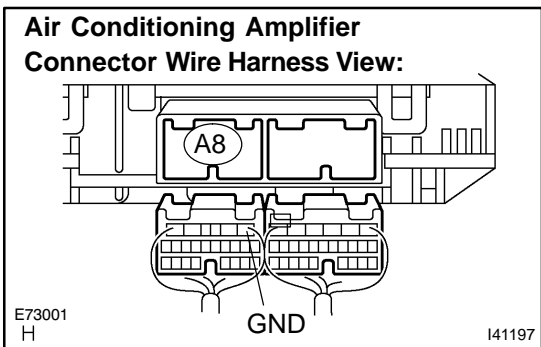
**Standard:**

Tester connection	Condition	Specified condition
A8-5 (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 01-47)**



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

**Standard:**

Tester connection	Condition	Specified condition
A8-1 (GND) - Body ground	Always	Below 1 Ω

**NG** REPAIR OR REPLACE HARNESS OR CONNECTOR

**OK**

**REPLACE AIR CONDITIONING AMPLIFIER (SEE PAGE 55-47)**