

**AIR CONDITIONING: AIR CONDITIONING SYSTEM: IG Power Source**  
**Circuit**

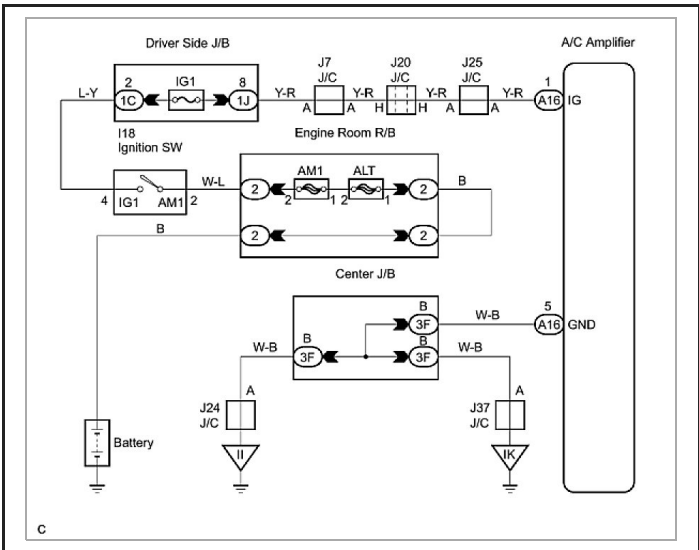
**IG Power Source Circuit**

**DESCRIPTION**

The main power source is supplied to the A/C amplifier when the ignition switch ON.

The power source is used for operating the A/C amplifier and servo motor, etc.

**WIRING DIAGRAM**

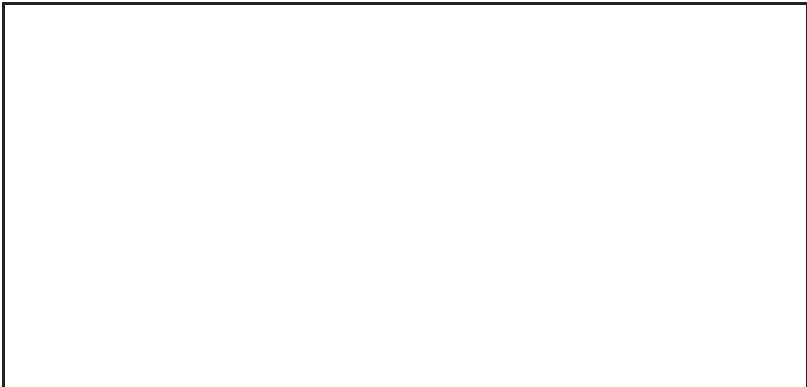


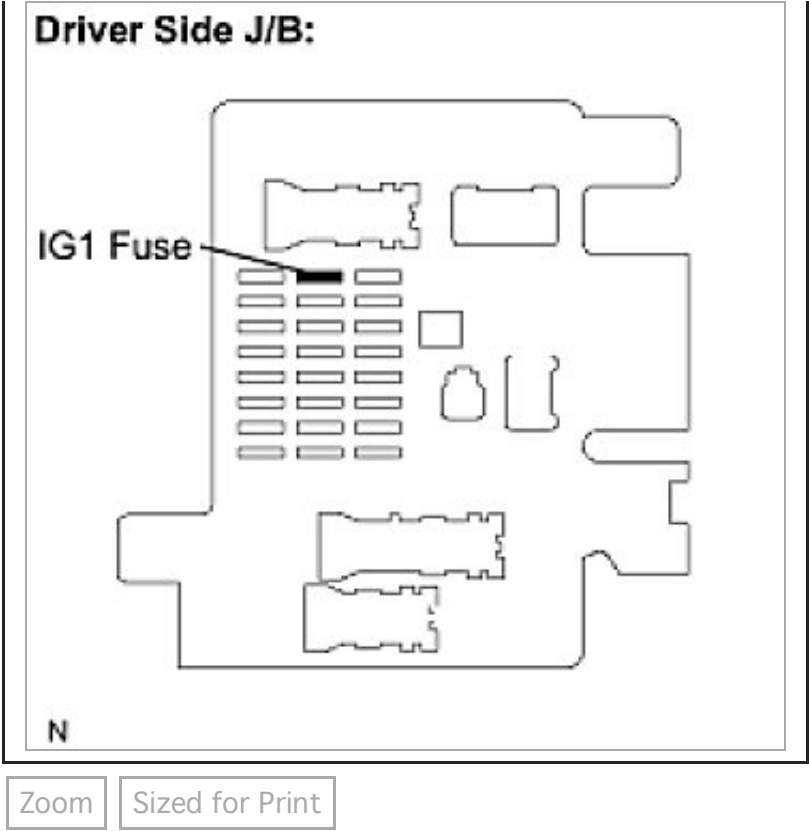
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**INSPECTION PROCEDURE**

**PROCEDURE**

1. INSPECT FUSE (IG1)





- (a) Remove the IG1 fuse from the driver side J/B.
- (b) Measure the resistance according to the value(s) in the table below.

Standard resistance:

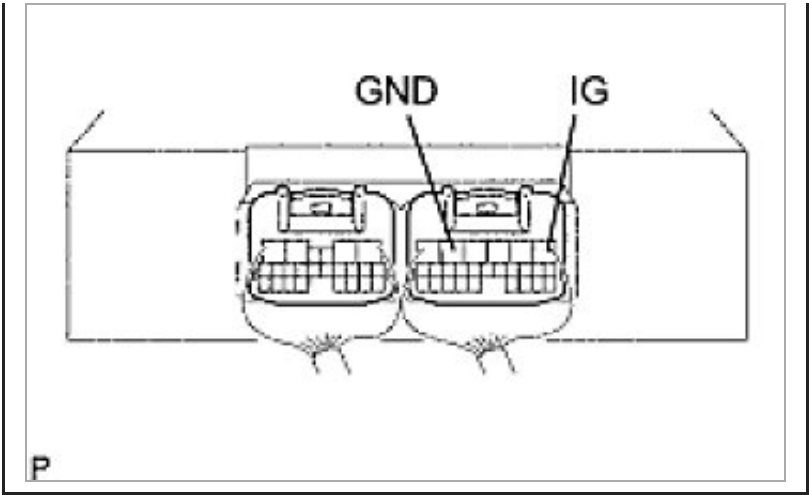
| Tester Item | Condition | Specified Condition |
|-------------|-----------|---------------------|
| IG1 fuse    | Always    | Below 1 Ohms        |



NG -- **REPLACE FUSE (IG1)**  
OK -- **Continue to next step.**

2. INSPECT AIR CONDITIONING AMPLIFIER (IG+ - GND)





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

**Standard voltage:**

| Tester Connection<br>(Symbols) | Condition          | Specified Condition |
|--------------------------------|--------------------|---------------------|
| A16-1 (IG) - A16-5 (GND)       | Ignition switch ON | 10 to 14 V          |

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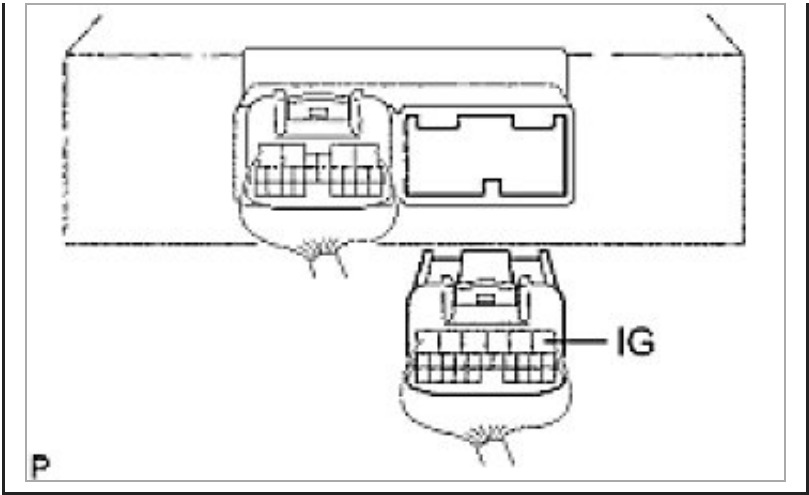
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NG -- **CHECK HARNESS AND CONNECTOR (AIR CONDITIONING AMPLIFIER - BATTERY)**

OK -- **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**

- 3. CHECK HARNESS AND CONNECTOR (AIR CONDITIONING AMPLIFIER - BATTERY)





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

**Standard voltage:**

| Tester Connection<br>(Symbols) | Condition           | Specified Condition |
|--------------------------------|---------------------|---------------------|
| A16-1 (IG) - Body ground       | Ignition switch OFF | Below 1 V           |
| A16-1 (IG) - Body ground       | Ignition switch ON  | 10 to 14 V          |

Zoom

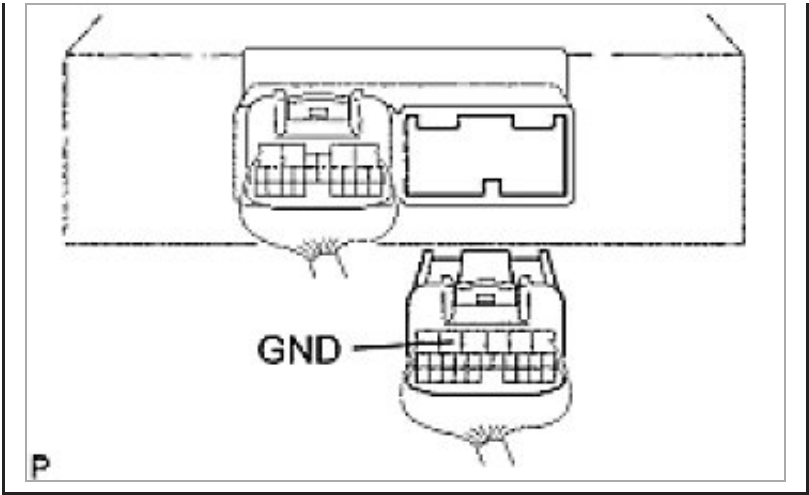
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NG -- **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK -- **Continue to next step.**

- 4. CHECK HARNESS AND CONNECTOR (AIR CONDITIONING AMPLIFIER - BODY GROUND)





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

**Standard resistance:**

| Tester Connection         | Condition | Specified Condition |
|---------------------------|-----------|---------------------|
| A16-5 (GND) - Body ground | Always    | Below 1 Ohms        |

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NG -- **REPAIR OR REPLACE HARNESS OR CONNECTOR**  
OK -- **REPLACE AIR CONDITIONING AMPLIFIER**