

## AIR CONDITIONING SYSTEM > Rear Air Conditioning Control Panel Circuit

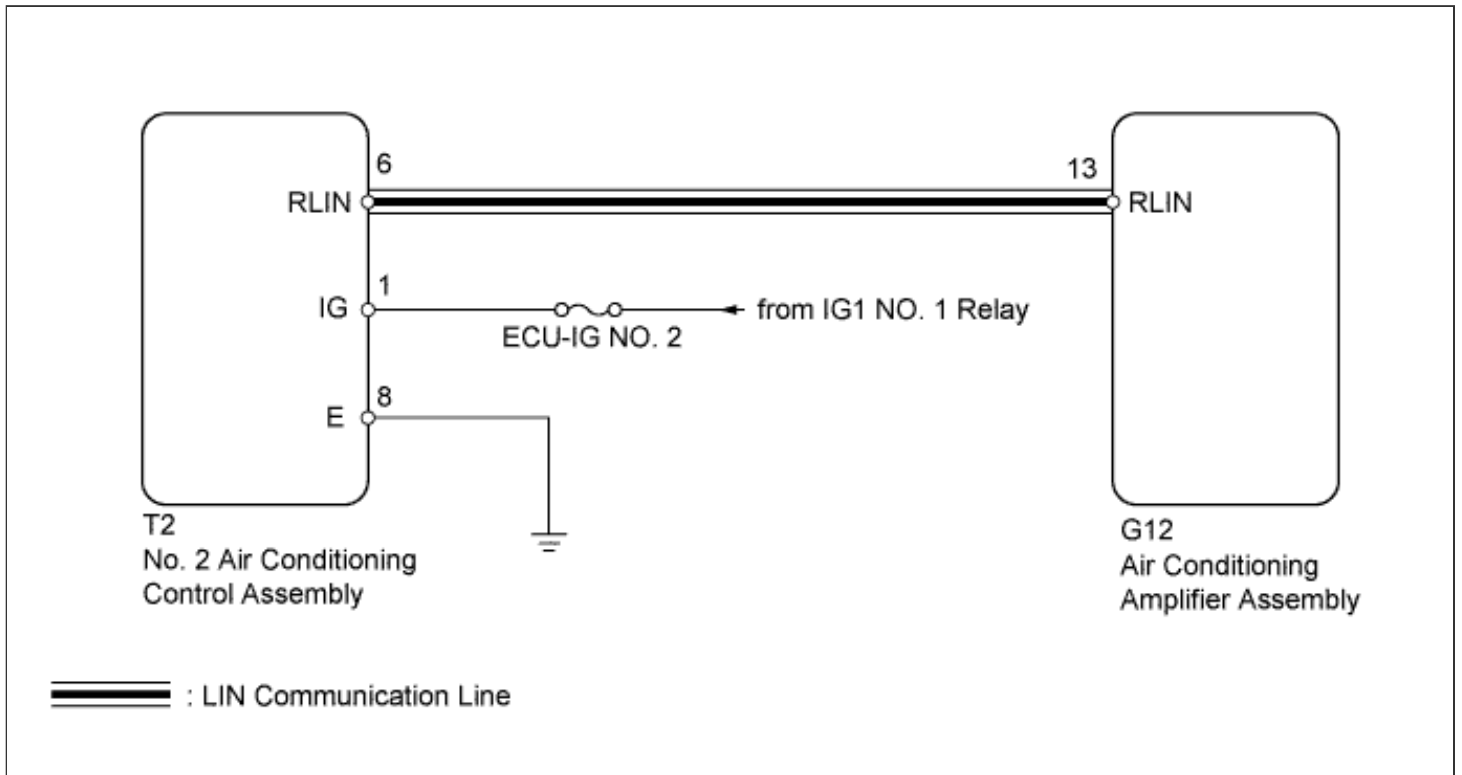
for Preparation [Click here](#)

### DESCRIPTION

This circuit consists of the No. 2 air conditioning control assembly and air conditioning amplifier. When the No. 2 air conditioning control assembly is operated, signals are transmitted to the air conditioning amplifier through the LIN communication system.

If the LIN communication system malfunctions, the air conditioning amplifier does not operate even if the No. 2 air conditioning control assembly is operated.

### WIRING DIAGRAM



### INSPECTION PROCEDURE

#### NOTICE:

Inspect the fuses for circuits related to this system before performing the following inspection procedure.

#### 1.CHECK HARNESS AND CONNECTOR (NO. 2 AIR CONDITIONING CONTROL - AIR CONDITIONING AMPLIFIER)

- a. Disconnect the G12 amplifier connector.
- b. Disconnect the T2 control connector.
- c. Measure the resistance according to the value(s) in the table below.

#### Standard Resistance:

Tester Connection	Condition	Specified Condition
T2-6 (RLIN) - G12-13 (RLIN)	Always	Below 1 $\Omega$
T2-6 (RLIN) - Body ground	Always	10 k $\Omega$ or higher

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REPAIR OR REPLACE HARNESS OR CONNECTOR

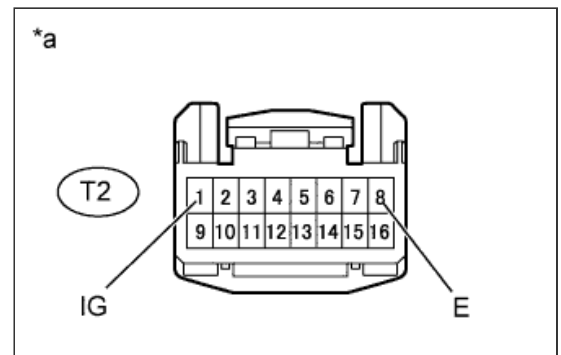
OK

## 2.CHECK HARNESS AND CONNECTOR (NO. 2 AIR CONDITIONING CONTROL - BATTERY AND BODY GROUND)

- Disconnect the T2 control connector.
- Measure the voltage according to the value(s) in the table below.

### Standard Voltage:

Tester Connection	Switch Condition	Specified Condition
T2-1 (IG) - T2-8 (E)	Engine switch off	Below 1 V
T2-1 (IG) - T2-8 (E)	Engine switch on (IG)	11 to 14 V



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

### Standard Resistance:

Tester Connection	Condition	Specified Condition
T2-8 (E) - Body ground	Always	Below 1 $\Omega$

### Text in Illustration

\*a Front view of wire harness connector (to No. 2 Air Conditioning Control Assembly)

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

## 3.REPLACE NO. 2 AIR CONDITIONING CONTROL ASSEMBLY

- a. Replace the No. 2 air conditioning control assembly with a new or normally functioning one ([Click here](#)).
- b. Operate the No. 2 air conditioning control assembly to check that it functions properly.

**OK:**

**No. 2 air conditioning control assembly operates normally.**

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**PROCEED TO NEXT SUSPECTED AREA  
SHOWN IN PROBLEM SYMPTOMS TABLE  
([Click here](#))**

**OK**

**END (NO. 2 AIR CONDITIONING CONTROL ASSEMBLY IS FAULTY)**