

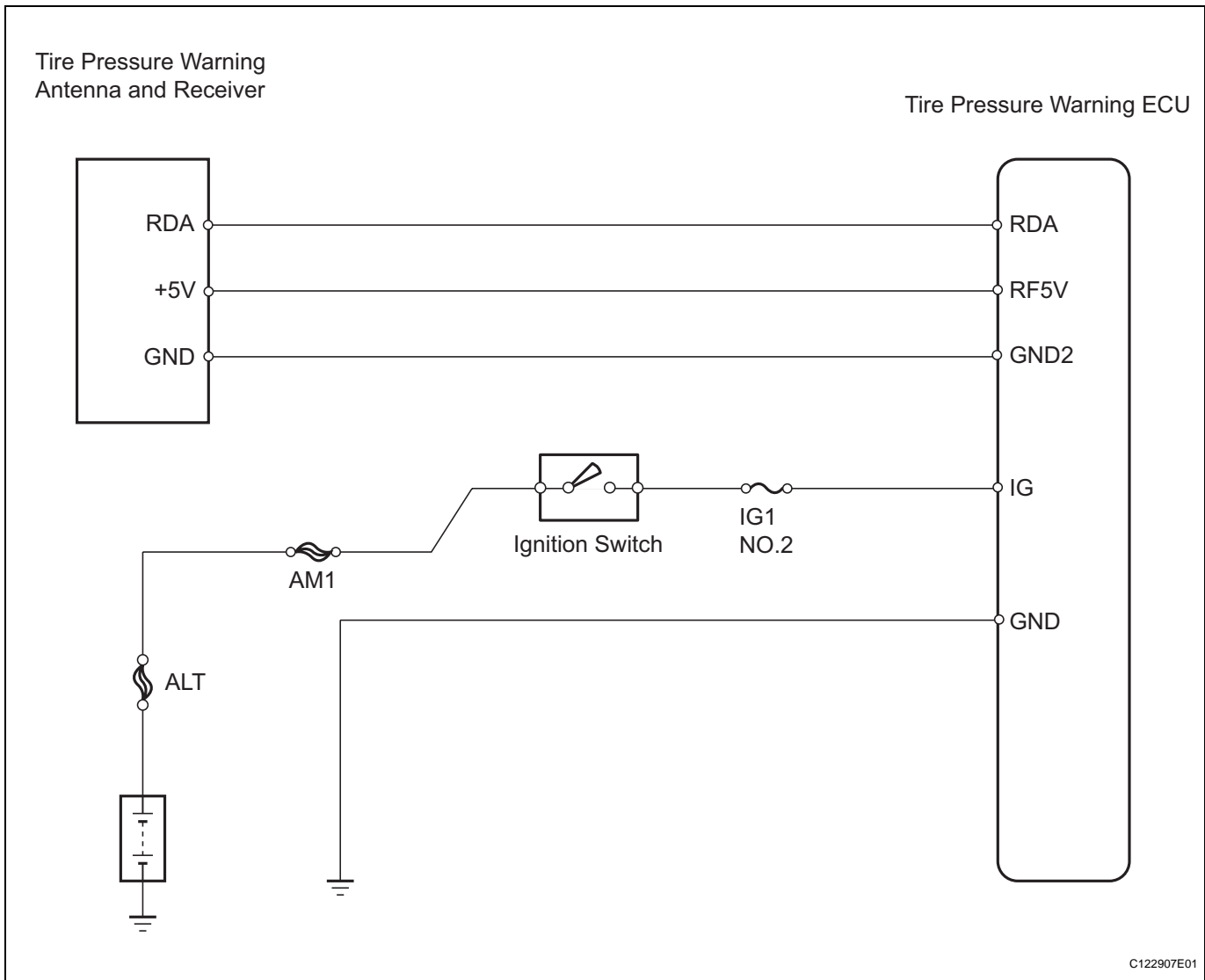
ECU Power Source Circuit

DESCRIPTION

This circuit supplies power to the tire pressure warning ECU. The power is also supplied to the tire pressure warning antenna and receiver via the ECU.

The tire pressure warning system is disabled, when the system circuit has a defect. At This time the tire pressure warning light on the combination meter will come on.

WIRING DIAGRAM



NOTICE:

- When replacing the tire pressure warning ECU, read the IDs stored in the ECU using the intelligent tester and note them down before removal (See page [TW-28](#)).
- It is necessary to perform initialization (See page [TW-15](#)) after registration (See page [TW-11](#)) the transmitter IDs into the tire pressure warning ECU after the ECU have been replaced.

1 INSPECT BATTERY

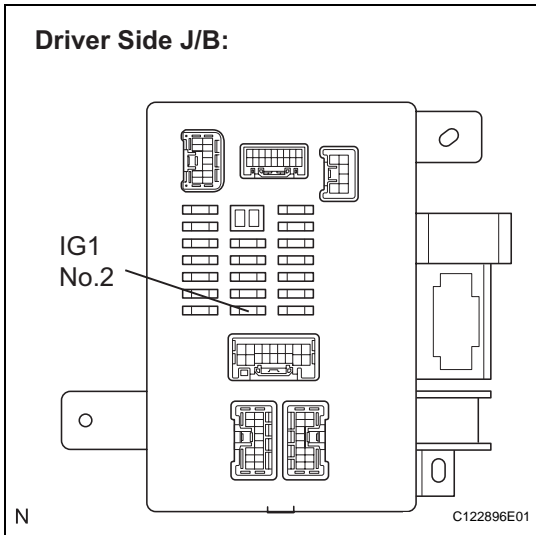
(a) Check the battery voltage.

Standard voltage:
11 to 14 V

NG → CHECK AND REPAIR CHARGING SYSTEM

OK

2 INSPECT FUSE (IG1 No.2)

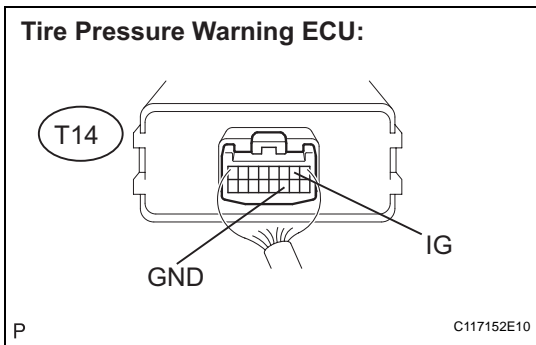


- (a) Remove the IG1 No.2 fuse from the driver side J/B.
- (b) Measure the resistance of the IG1 No.2 fuse.
Standard resistance:
Below 1 Ω
- (c) Reinstall the IG1 No.2 fuse.

NG → CHECK SHORT CIRCUIT IN COMPONENTS AND WIRES CONNECTED TO FUSE

OK

3 INSPECT TIRE PRESSURE WARNING ECU



- (a) Remove the tire pressure warning ECU with the connector connected.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage.
Standard voltage

Tester Connection	Specified Condition
IG (T14-2) - GND (T14-11)	10 to 16 V

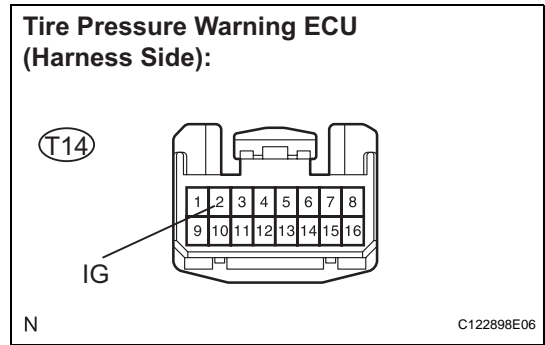
NG → Go to step 4

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

TW

4 CHECK HARNESS AND CONNECTOR (BATTERY - TIRE PRESSURE WARNING ECU)



- (a) Disconnect the connector from the tire pressure warning ECU.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage.

Standard voltage

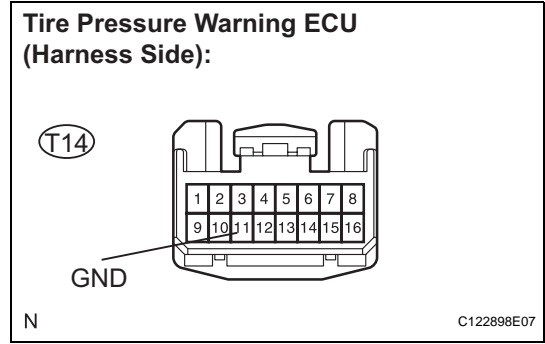
Tester Connection	Specified Condition
IG (T14-2) - Body ground	10 to 16 V

- (d) Reconnect the connector.

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

5 CHECK HARNESS AND CONNECTOR (TIRE PRESSURE WARNING ECU - BODY GROUND)



- (a) Disconnect the connector from the tire pressure warning ECU.
- (b) Measure the resistance.

Standard resistance

Tester connection	Specified Condition
GND (T14-11) - Body ground	Below 1 Ω

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE