

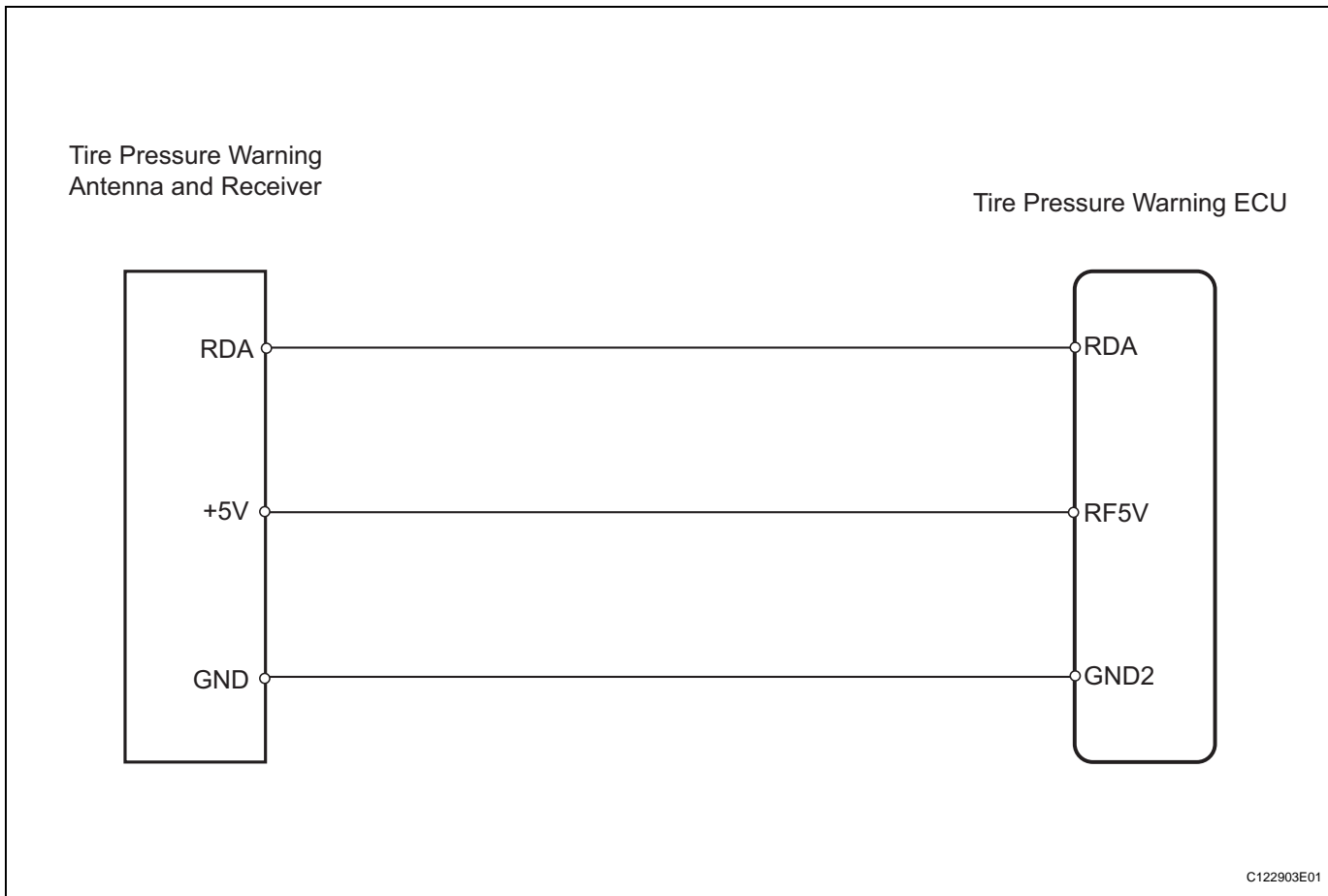
<b>DTC</b>	<b>C2176/76</b>	<b>Receiver Error</b>
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**DESCRIPTION**

The signals are transmitted to the tire pressure warning antenna and receiver on the body as radio waves and then sent to the tire pressure warning ECU.

DTC No.	DTC Detection Condition	Trouble Area
C2176/76	When either of following detected: <ul style="list-style-type: none"> <li>• EEPROM in tire pressure warning ECU malfunction</li> <li>• Terminal RF5V shorted to ground</li> </ul>	<ul style="list-style-type: none"> <li>• Tire pressure warning antenna and receiver</li> <li>• Tire pressure warning ECU</li> <li>• Wire harness or connector</li> </ul>

**WIRING DIAGRAM**

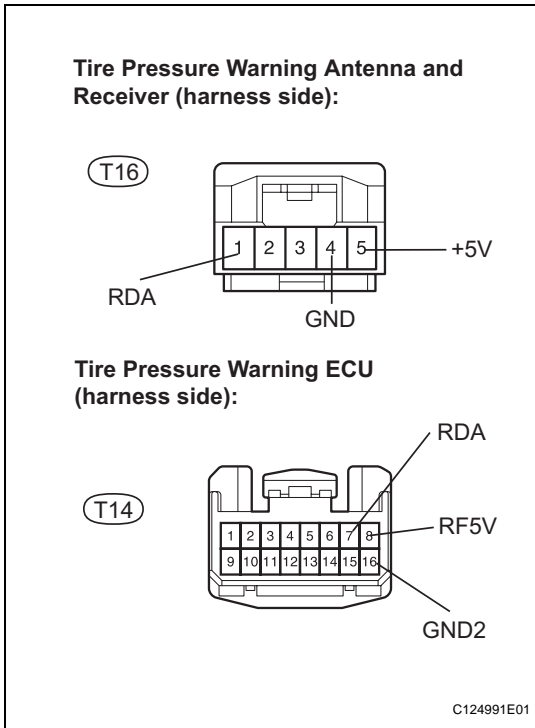


TW

**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 CHECK HARNESS AND CONNECTOR (TIRE PRESSURE WARNING ECU - TIRE PRESSURE WARNING RECEIVER)**



(a) Disconnect the connectors from the tire pressure warning antenna and receiver and tire pressure warning ECU.

(b) Measure the resistance.  
**Standard resistance**

Tester Connection	Specified Condition
RDA (T14-7) - RDA (T16-1)	Below 1 Ω
RF5V (T14-8) - +5V (T16-5)	Below 1 Ω
GND2 (T14-16) - GND (T16-4)	Below 1 Ω
RDA (T14-7) - Body ground	10 k Ω or higher
RF5V (T14-8) - Body ground	10 k Ω or higher
GND2 (T14-16) - Body ground	10 k Ω or higher

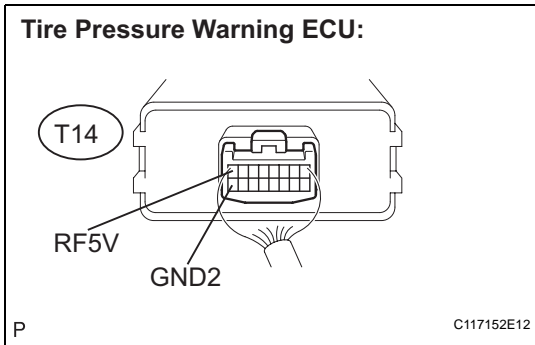
(c) Reconnect the connectors.

**NG** REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

TW

**2 INSPECT TIRE PRESSURE WARNING ECU**



(a) Turn the ignition switch to the ON position.  
(b) Measure the voltage of the terminals between RF5V and GND2 of the tire pressure warning ECU.

**Standard voltage**

Tester Connection	Specified Condition
GND2 (T14-16) - RF5V (T14-8)	4.5 to 5.5 V

**NG** REPLACE TIRE PRESSURE WARNING ECU

OK

**3 INSPECT TIRE PRESSURE WARNING ECU**

- (a) Replace the tire pressure warning ECU with a normally functioning or new one.
- (b) Register the transmitter IDs again (See page TW-11 ).
- (c) Perform TEST MODE PROCEDURE (See page TW-17 ).
- (d) Perform the forcible transmission of all the transmitter IDs.

(e) Confirm that DTCs C2181/81 to C2185/85 are cleared.

**Result**

Result	Proceed to
DTCs all cleared	A
DTCs not cleared	B

A → **REPLACE TIRE PRESSURE WARNING ECU**

B

**REPLACE TIRE PRESSURE WARNING ANTENNA AND RECEIVER**