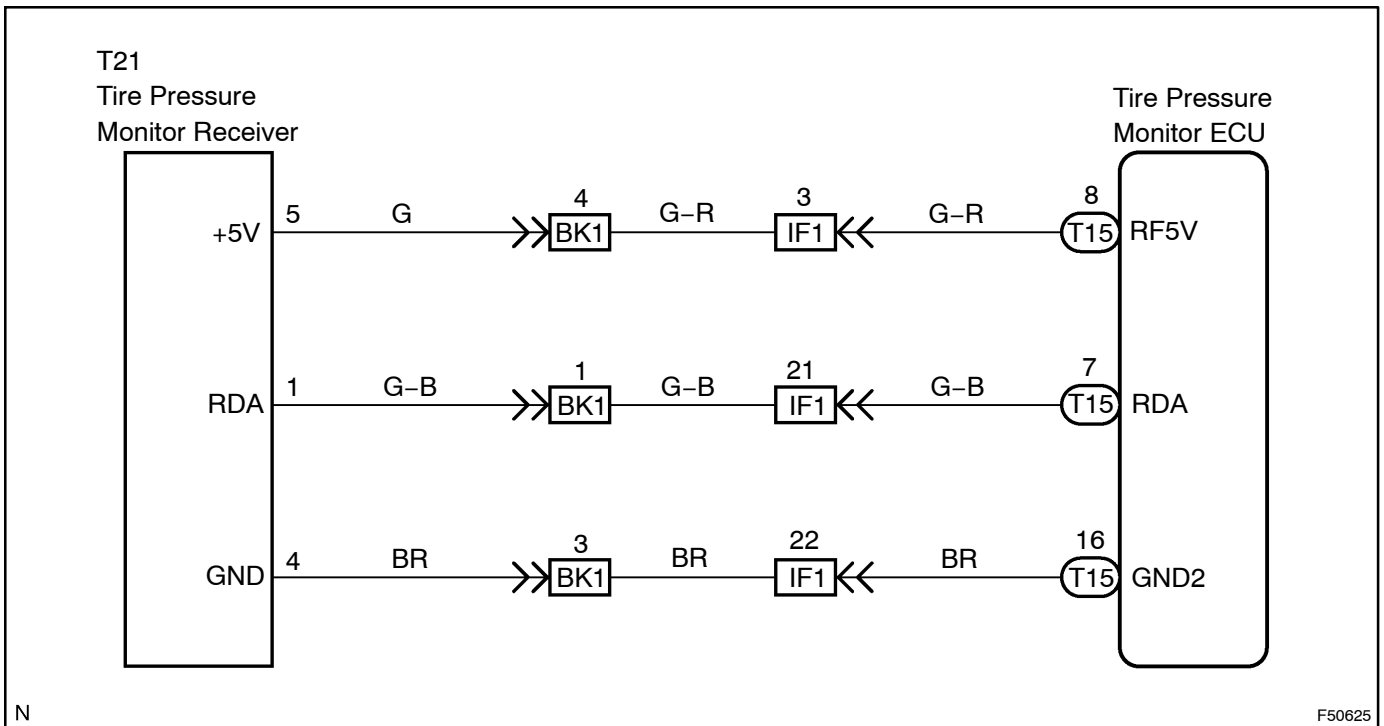


DTC	C2176/76	RECEIVER ERROR
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CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C2176/76	DTC is stored when either of the following is detected: • EEPROM data is invalid to use. • Terminal RF5V is shorted to ground.	• Tire pressure monitor receiver assy • Tire pressure monitor ECU • Wire harness

WIRING DIAGRAM

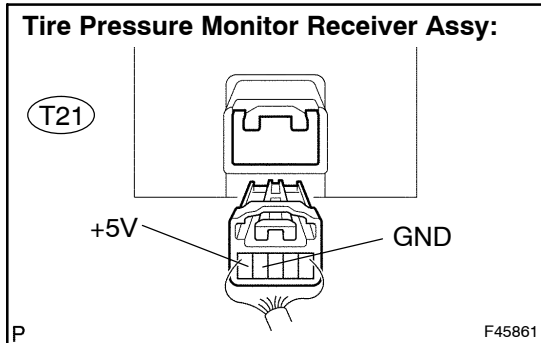


INSPECTION PROCEDURE

HINT:

Set the tire pressure to the specified value.

1 INSPECT TIRE PRESSURE MONITOR RECEIVER ASSY



- (a) Disconnect the tire pressure monitor receiver assy T21 connector.
- (b) Measure the voltage according to the value(s) in the table below.

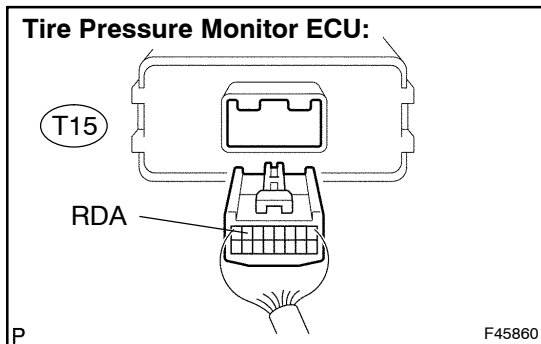
Standard:

Tester Connection	Specified Condition
T21-4 (GND) - T21-5 (+5V)	4.5 to 5.5 V

NG → Go to step 3

OK

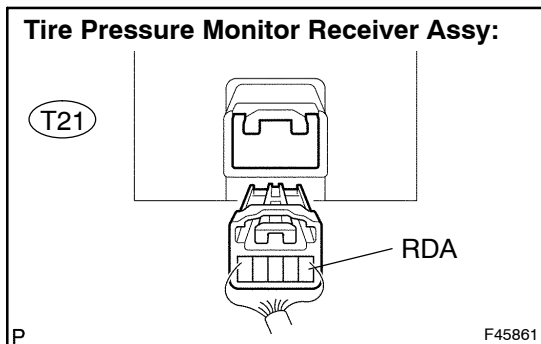
2 CHECK HARNESS AND CONNECTOR(TIRE PRESSURE MONITOR RECEIVER ASSY - TIRE PRESSURE MONITOR ECU) (SEE PAGE 01-36)



- (a) Disconnect the tire pressure monitor receiver assy T21 connector and tire pressure monitor ECU T15 connector.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

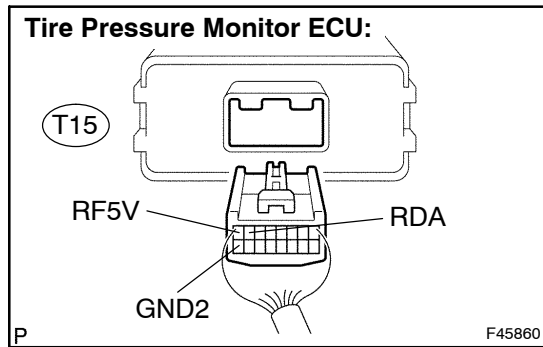
Tester Connection	Specified Condition
T15-7 (RDA) - T21-1 (RDA)	Below 1 Ω



OK → Go to step 5

NG

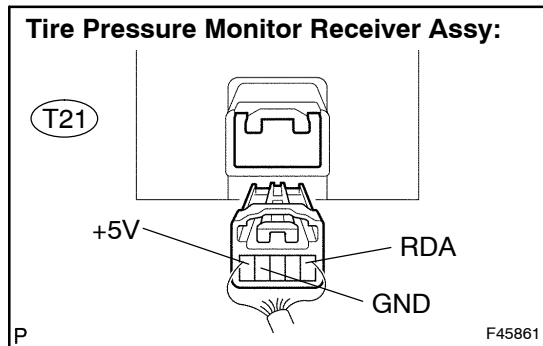
3 CHECK HARNESS AND CONNECTOR(TIRE PRESSURE MONITOR RECEIVER ASSY - TIRE PRESSURE MONITOR ECU)(SEE PAGE 01-36)



- (a) Disconnect the tire pressure monitor receiver assy T21 connector and tire pressure monitor ECU T15 connector.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
T15-7 (RDA) - T21-1 (RDA)	Below 1 Ω
T15-8 (RF5V) - T21-5 (+5V)	Below 1 Ω
T15-16 (GND2) - T21-4 (GND)	Below 1 Ω
T15-7 (RDA) - Body ground	10 kΩ or higher
T15-8 (RF5V) - Body ground	10 kΩ or higher
T15-16 (GND2) - Body ground	10 kΩ or higher



NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

4 CHECK POWER SOURCE CIRCUIT(SEE PAGE 05-704)

NG REPAIR OR REPLACE POWER SOURCE CIRCUIT

OK

5 REPLACE TIRE PRESSURE MONITOR RECEIVER ASSY

HINT:

Perform the inspection using parts from a normal vehicle when possible.

OK

6 CHECK DTC

- (a) Check for DTC.
OK: DTC is not output.

NG REPLACE TIRE PRESSURE MONITOR ECU (SEE PAGE 28-9)

OK

END