

DTC P2772 Four Wheel Drive (4WD) Low Switch Circuit Range / Performance

for Preparation [Click here](#)

DESCRIPTION

The ECM detects the signal from the transfer L4 position switch. This DTC indicates that the transfer L4 position switch remains on.

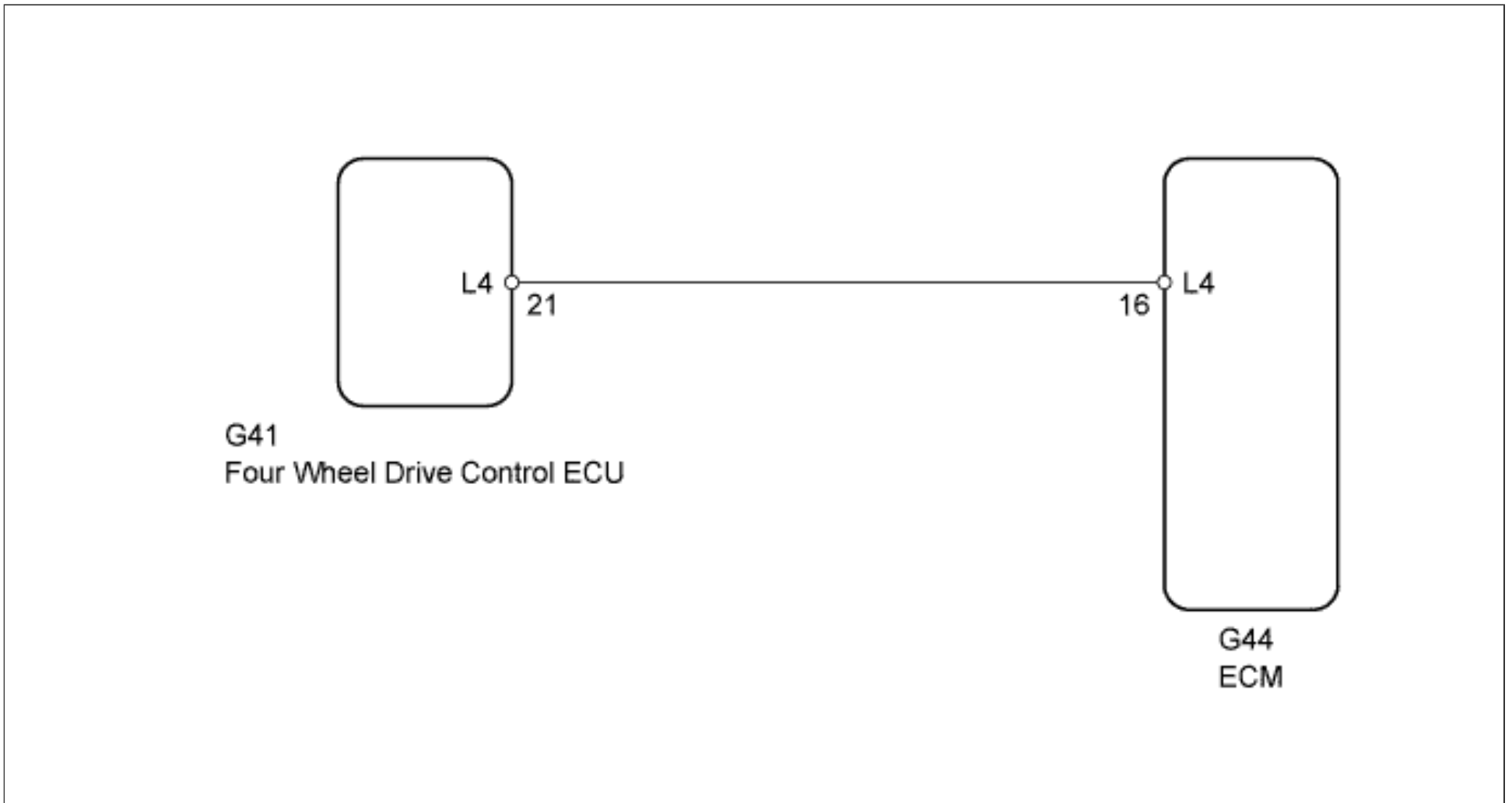
DTC Code	DTC Detection Condition	Trouble Area
P2772	Transfer L4 position switch remains on while the vehicle is being driven under the following conditions for 1.8 sec. or more (1-trip detection logic): (a) Output shaft speed is between 1000 and 3000 rpm. (b) Transfer position switch is in H4.	<ul style="list-style-type: none"> • Short in transfer L4 position switch circuit • Transfer system • ECM

MONITOR DESCRIPTION

The ECM monitors the transfer-case L4 position switch to determine when the transfer-case L4 gears are engaged. If the L4 position switch indicates that the transfer-case L4 gears are engaged under the following conditions, the ECM will conclude that there is a malfunction of the L4 position switch, illuminate the MIL and store the DTC:

- The transfer-case shifter is in the "H4" position.
- The transfer-case output shaft speed is between 1000 and 3000 rpm.
- The specified time period has elapsed.

WIRING DIAGRAM



INSPECTION PROCEDURE

1.CHECK HARNESS AND CONNECTOR (FOUR WHEEL DRIVE CONTROL ECU - BODY GROUND)

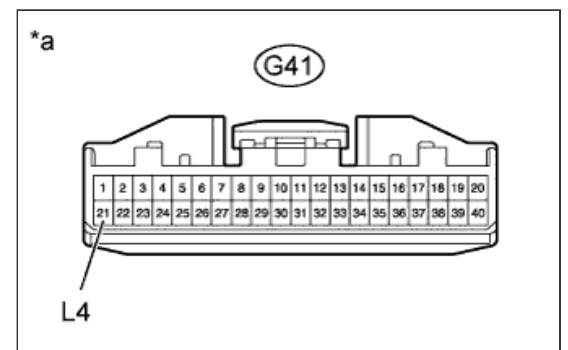
- Disconnect the G41 four wheel drive control ECU connector.
- Measure the resistance according to the value(s) in the table below.

Standard Resistance:

Tester Connection	Condition	Specified Condition
G41-21 (L4) - Body ground	Always	10 kΩ or higher

Text in Illustration

*a	Front view of wire harness connector (to Four Wheel Drive Control ECU)
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[Go to step 2](#)

OK

GO TO TRANSFER SYSTEM ([Click here](#))

2.CHECK HARNESS AND CONNECTOR (FOUR WHEEL DRIVE CONTROL ECU - ECM)

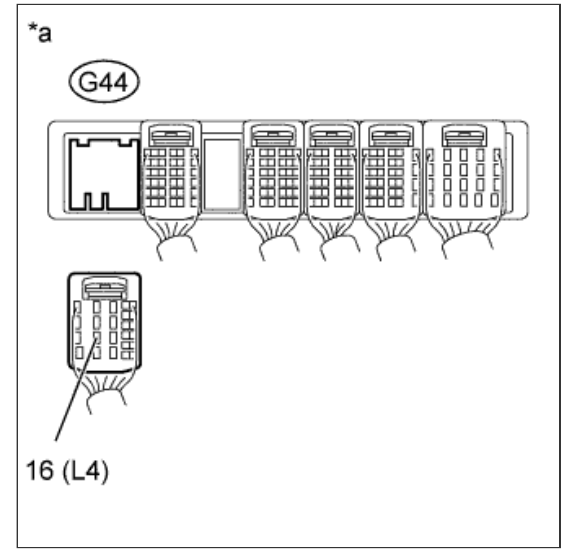
- a. Disconnect the G44 ECM connector.
- b. Measure the resistance according to the value(s) in the table below.

Standard Resistance:

Tester Connection	Condition	Specified Condition
G44-16 (L4) - Body ground	Always	10 kΩ or higher

Text in Illustration

*a	Front view of wire harness connector (to ECM)
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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ECM ([Click here](#))