

PROCEDURE

1. TRANSFER SYSTEM

NOTICE:

- w/ Dual Mode Automatic Locking Hub (AUTO Position):
To shift from H2 to H4, stop the vehicle and move the transfer shift lever.
- To shift from H4 to L4, stop the vehicle or reduce the vehicle speed to less than 8 km/h (5 mph). Then, release the accelerator pedal, depress the clutch pedal and move the transfer shift lever.
- To shift from L4 to H4, depress the clutch pedal and move the transfer shift lever.

2.INSPECT INDICATOR LIGHT

- a. 4WD Indicator Light:
- Start the engine.
 - Move the transfer shift lever from the H2 position to the H4, L4 or N position.
 - Check that the 4WD indicator light illuminates.

OK:

4WD indicator light comes on

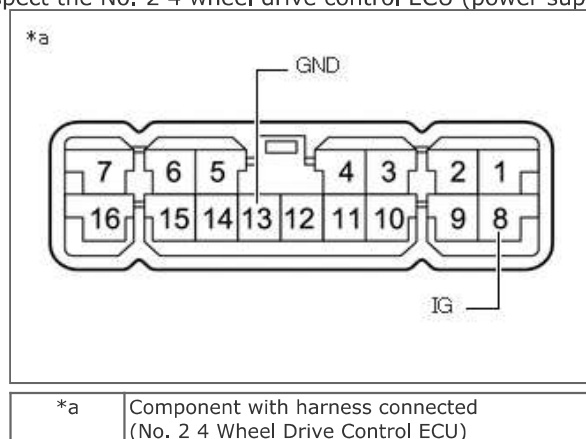
If the result is not as specified, inspect the No. 1 transfer indicator switch (4WD position) and four wheel drive control ECU (w/ Differential Lock).

If the system is normal, there may be a malfunction in the combination meter (Click here [Vehicle Interior>METER / GAUGE / DISPLAY>METER / GAUGE SYSTEM>PROBLEM SYMPTOMS TABLE](#)).

3.INSPECT NO. 2 4 WHEEL DRIVE CONTROL ECU (w/ Differential Lock)

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- a. Inspect the No. 2 4 wheel drive control ECU (power supply).
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Measure the voltage according to the value(s) in the table below.

Standard Voltage:

Tester Connection	Switch Condition	Specified Condition
8 (IG) - Body ground	Ignition switch ON	11 to 14 V

If the result is not as specified, inspect the harness, fuse or connector.

If the harness or connector is malfunctioning, repair or replace the harness or connector.

If the harness or connector is normal, replace the No. 2 4 wheel drive control ECU (Click here [Drivetrain>HF1A \(TRANSFER / 4WD / AWD\)>TRANSFER INDICATOR SWITCH>INSPECTION](#)).

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

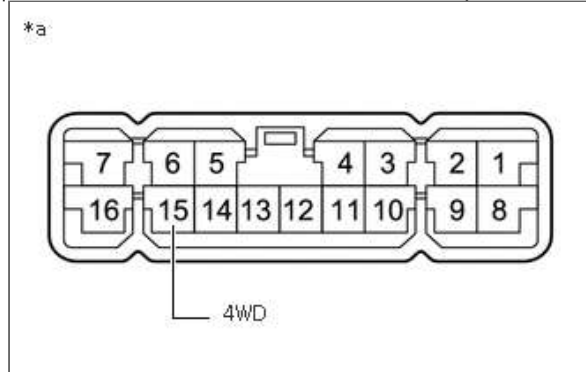
Standard Resistance:

Tester Connection	Condition	Specified Condition
13 (GND) - Body ground	Always	Below 1 Ω

If the result is not as specified, repair or replace the harness or connector.

- b. Inspect the No. 2 4 wheel drive control ECU (No. 1 transfer indicator switch).

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*a	Component with harness connected (No. 2 4 Wheel Drive Control ECU)
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Measure the voltage according to the value(s) in the table below.

Standard Voltage:

Tester Connection	Condition	Specified Condition
15 (4WD) - Body ground	Ignition switch ON Transfer position H2	8 to 14 V
	Ignition switch ON Transfer position H4	8 to 14 V
	Ignition switch ON Transfer position N or L4	Below 1 V

If the result is not as specified, check the power supply.

If the power supply is normal, inspect the No. 1 transfer indicator switch (Click here [Drivetrain>HF1A \(TRANSFER / 4WD / AWD\)>TRANSFER INDICATOR SWITCH>INSPECTION](#)).