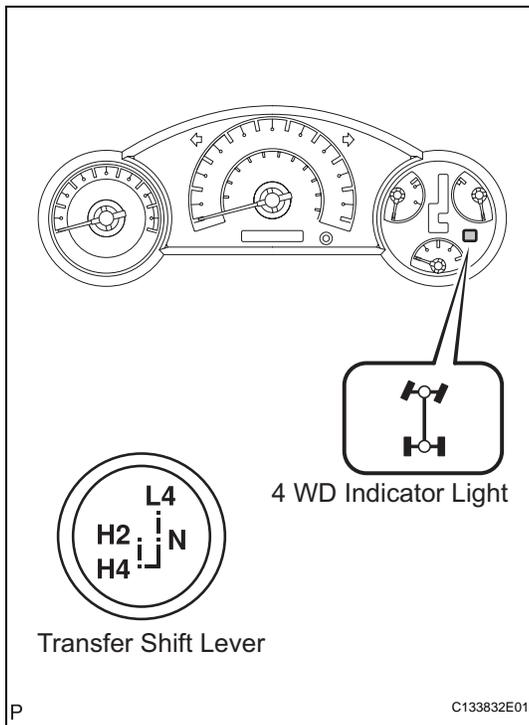


ON-VEHICLE INSPECTION

1. TRANSFER SYSTEM

NOTICE:

- To shift from H2 to H4, reduce the vehicle's speed to less than 50 mph (80 km/h) and move the transfer shift lever.
- To shift from H4 to L4, stop the vehicle, move the shift lever to N and then move the transfer shift lever.
- To shift from L4 to H4, stop the vehicle, move the shift lever to N and then move the transfer shift lever.



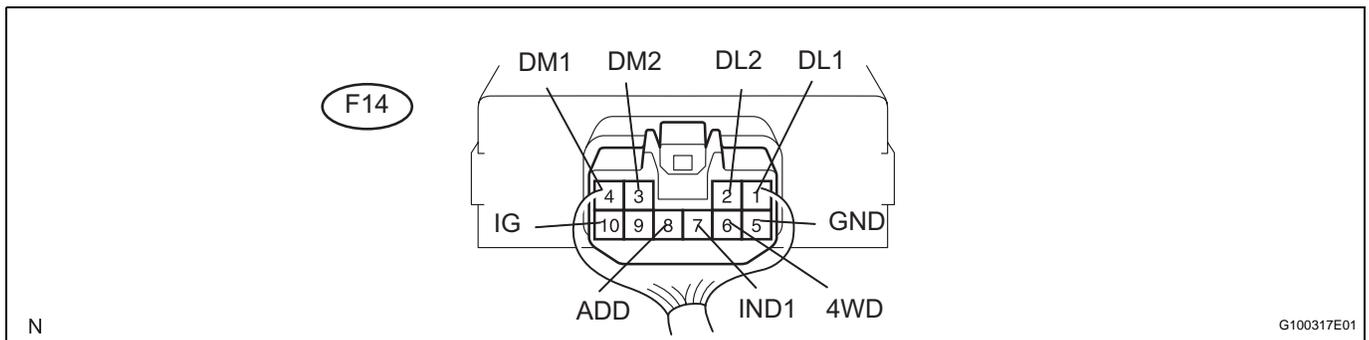
2. CHECK H2 (2WD) - H4 OR L4 (4WD) SHIFT

- Start the engine.
- Move the transfer shift lever from the H2 position to the H4 or L4 position.
- Check that the 4WD indicator light illuminates.
- Move the transfer shift lever from the H4 or L4 position to the H2 position.
- Check that the 4WD indicator light turns off.

HINT:

- If the indicator light does not turn off when you move the transfer shift lever into H2, drive straight ahead while accelerating or decelerating, or drive in reverse.
- If a shift remains incomplete for 30 minutes, the 4WD indicator light will begin flashing.

3. CHECK 4WD CONTROL ECU



- Measure the voltage and resistance of the connector.

Standard voltage

Tester Connection	Wiring Color	Condition	Specified Condition
F14-10 (IG) - F14-5 (GND)	B-Y - W-B	Ignition switch ON	11 to 14 V
F14-7 (IND1) - F14-5 (GND)	W-R - W-B	Ignition switch ON and transfer shift lever position H2	11 to 14 V
F14-7 (IND1) - F14-5 (GND)	W-R - W-B	Ignition switch ON and transfer shift lever position H4 or L4	0 to 3.5 V

Tester Connection	Wiring Color	Condition	Specified Condition
F14-8 (ADD) - F14-5 (GND)	R-B - W-B	Ignition switch ON and A.D.D. NOT LOCKED	11 to 14 V
F14-8 (ADD) - F14-5 (GND)	R-B - W-B	Ignition switch ON and A.D.D. LOCKED	Below 1.5 V
F14-6 (4WD) - F14-5 (GND)	B - W-B	Ignition switch ON and transfer shift lever position H2	11 to 14 V
F14-6 (4WD) - F14-5 (GND)	B - W-B	Ignition switch ON and transfer shift lever position H4 or L4	Below 1.5 V
F14-1 (DL1) - F14-5 (GND)	R-Y - W-B	Ignition switch ON and A.D.D. NOT LOCKED	Below 1.5 V
F14-1 (DL1) - F14-5 (GND)	R-Y - W-B	Ignition switch ON and A.D.D. LOCKED	11 to 14 V
F14-2 (DL2) - F14-5 (GND)	R-W - W-B	Ignition switch ON and A.D.D. LOCKED	Below 1.5 V
F14-2 (DL2) - F14-5 (GND)	R-W - W-B	Ignition switch ON and A.D.D. NOT LOCKED	11 to 14 V
F14-4 (DM1) - F14-3 (DM2)	Y - R	Ignition switch ON and A.D.D. NOT LOCKED → LOCKED	11 to 14 V or 0 to 14 V pulse generation → less than 0.5 V
F14-3 (DM2) - F14-4 (DM1)	R - Y	Ignition switch ON and A.D.D. LOCKED → NOT LOCKED	11 to 14 V or 0 to 14 V pulse generation → less than 0.5 V

Standard resistance

Tester Connection	Wiring Color	Condition	Specified Condition
F14-5 (GND) - Body ground	W-B - Body ground	Always	Below 1 Ω

If the result is not as specified, the 4WD control ECU may have a malfunction.