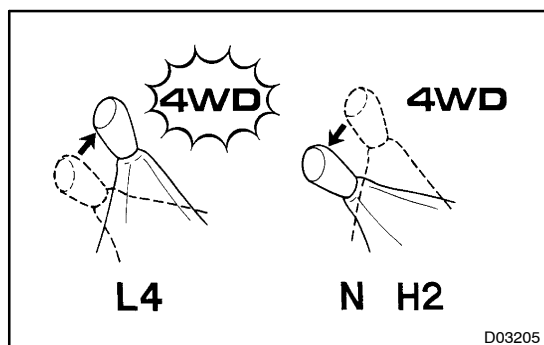


D03204

## INSPECTION

### 1. INSPECT SWITCHING H2↔H4 POSITION

- Start the engine, and shift the transfer shift lever to the "H2" position.
- Check that the 4WD indicator light comes on when the switch is in "ON" position. Check that the light goes off when the switch is in "OFF" position.

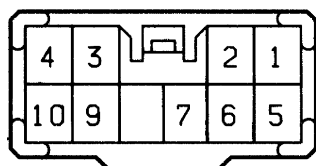


D03205

### 2. INSPECT SWITCHING H2↔L4 POSITION

- Start the engine, and push the 2-4 selector switch to OFF.
- Check that the 4WD indicator light comes on when the transfer shift lever is shifted to the "L4" position. Check that the light goes off when the lever is shifted to the "N" or "H2" position.

#### Relay Side:



Z15367

### 3. INSPECT 4WD CONTROL RELAY

- Check that continuity exists between each terminal, as shown in the table.

Tester connection	Specified condition
1 – 2	Continuity
2 – 4	Continuity
6 – 7	*

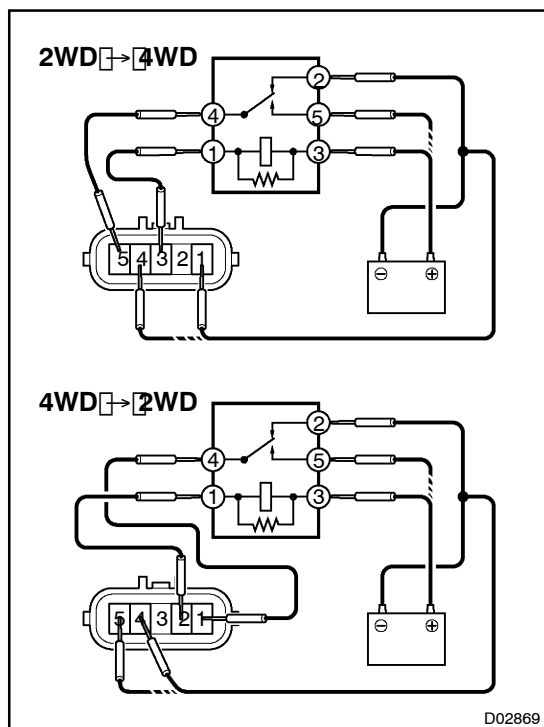
\*: There is a diode between the terminals 6 and 7.

If no continuity exists, check that continuity exists when changing the position of ⊕ probe for the position of negative ⊖ probe of tester.

- Apply battery voltage between each terminal and check that continuity exists between each terminal, as shown in the table.

Battery voltage applied terminal	Tester connection	Specified condition
6 (+) – 5 (–)	1 – 3	Continuity
	1 – 2	No continuity
7 (+) – 2 (–)	9 – 10	No continuity
9 (+) – 10 (–)	3 – 4	Continuity
	2 – 4	No continuity

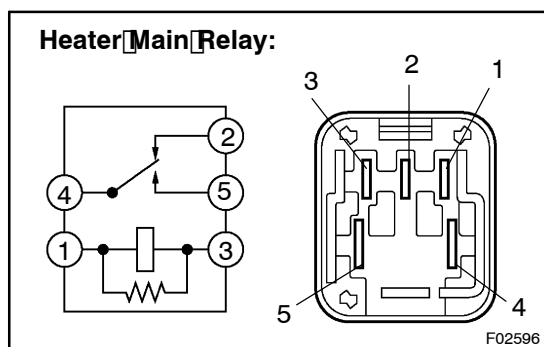
If continuity is not as specified, replace the relay.



#### 4. INSPECT ACTUATOR OPERATION

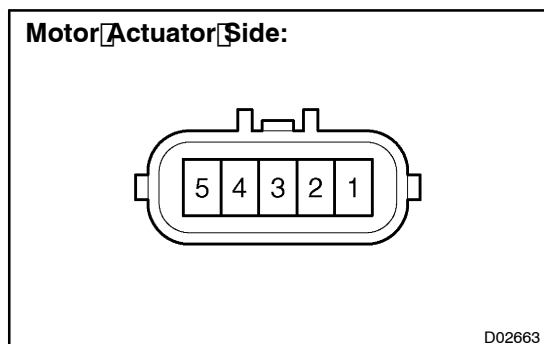
- Raise up the front wheels, place the stopper under the rear wheels to block them, and pull up the parking brake.
- Disconnect the connector of the actuator and connect it to the relay using wire.
- Check that the front propeller shaft can be rotated by hand.

Inspection Item	Standard
2WD → 4WD	Front propeller shaft cannot be rotated
4WD → 2WD	Front propeller shaft can be rotated



#### HINT:

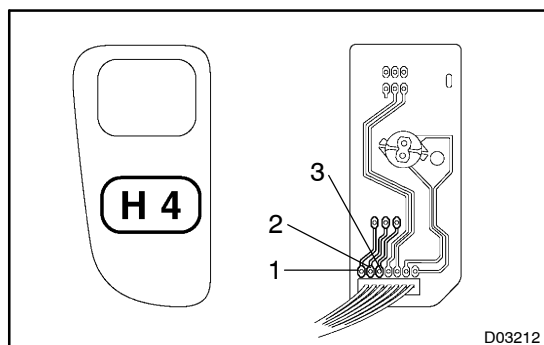
When inspecting the operation described above, use a heater main relay.



#### 5. INSPECT MOTOR ACTUATOR (MOTOR)

- Remove the motor actuator (See page TR-13).
- Measure the resistance between the terminals 1 and 5.  
**Standard resistance: 0.3 – 100 Ω**
- Measure the resistance between the terminals 1 or 5 and body ground.  
**Standard resistance: More than 0.5 MΩ**

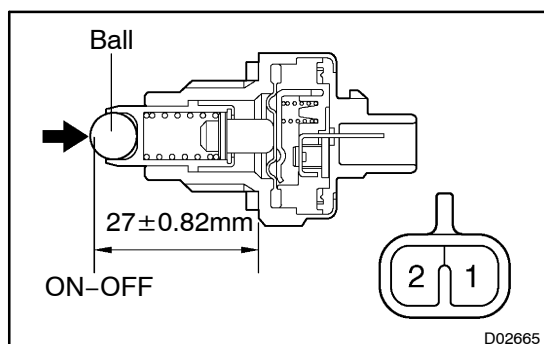
If the resistance value is not as specified, replace the motor actuator.



## 6. INSPECT 2-4 SELECTOR SWITCH CONTINUITY

- Remove the 2-4 selector switch (See page AC-177).
- Inspect the continuity between each terminal.

2-4 selector switch condition	Tester connection	Specified condition
ON (4WD)	1 - 2	No continuity
	1 - 3	No continuity
	2 - 3	Continuity
OFF (2WD)	1 - 2	Continuity
	1 - 3	No continuity
	2 - 3	No continuity



## 7. INSPECT L4 AND TRANSFER 4WD POSITION SWITCH CONTINUITY

- Remove the L4 and transfer 4WD position switch (See page TR-19).
- Check that continuity exists between terminals 1 and 2 when pushing the ball at the tip of the switch.