**vi.** Check the high to low switch.

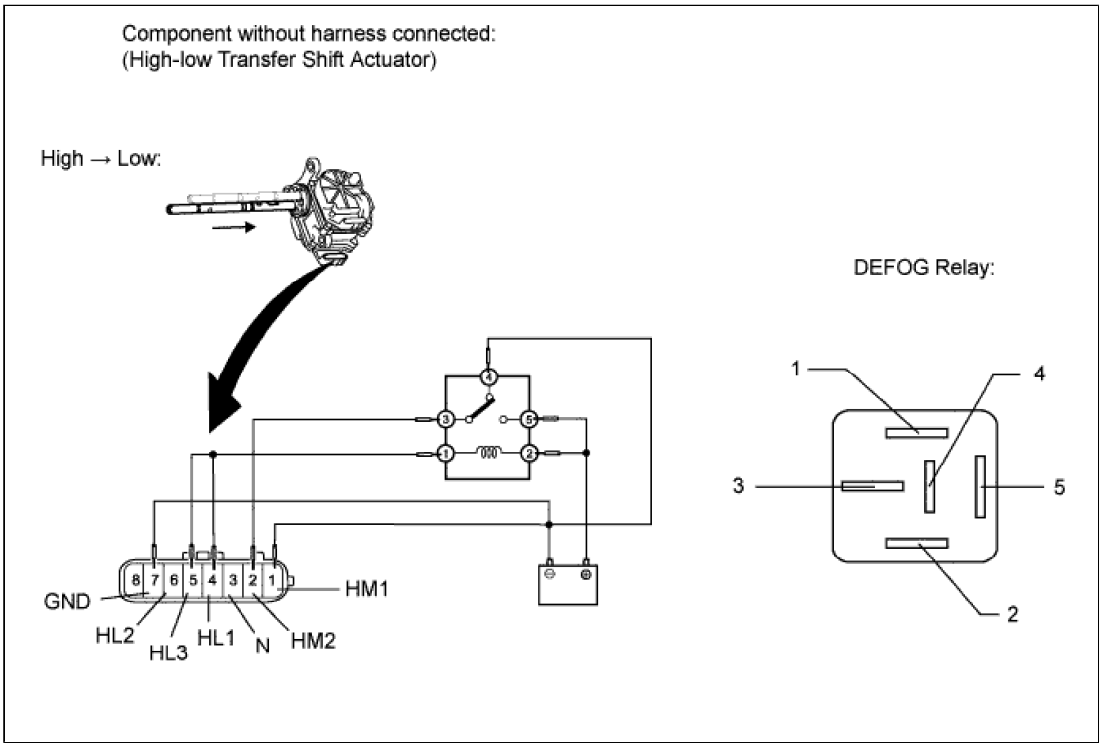
1. Connect lines via a relay as shown in the illustration, and check that the actuator fork moves from the high to low position.

**NOTICE:**

- Make sure to perform this inspection with the actuator removed from the vehicle. If this inspection is performed with the actuator installed to the vehicle, the actuator will be damaged.
- When inspecting the actuator, make sure to operate it with the lines connected via a relay. If the lines are not connected via a relay and battery voltage is directly applied to the actuator, the actuator will be damaged.

**HINT:**

When performing the operation described above, use the DEFOG relay.




2. After the high to low switch is complete, check the neutral position detection switch and limit switch.
   1. Measure the resistance according to the value(s) in the table below.

**Standard Resistance:**

| Tester Connection | Condition | Specified Condition |
|---|---|---|
| 3 (N) - 7 (GND) | After high to low switch is complete | 100 kΩ or higher |
| | | |

| | | |
|---|---|---|
| 4 (HL1) - 7 (GND) | After high to low switch is complete | 100 kΩ or higher |
| 5 (HL3) - 7 (GND) | After high to low switch is complete | 100 kΩ or higher |
| 6 (HL2) - 7 (GND) | After high to low switch is complete | Below 1 Ω |

If there is a malfunction, replace the transfer shift actuator assembly.

**vii.** Check the low to high switch.

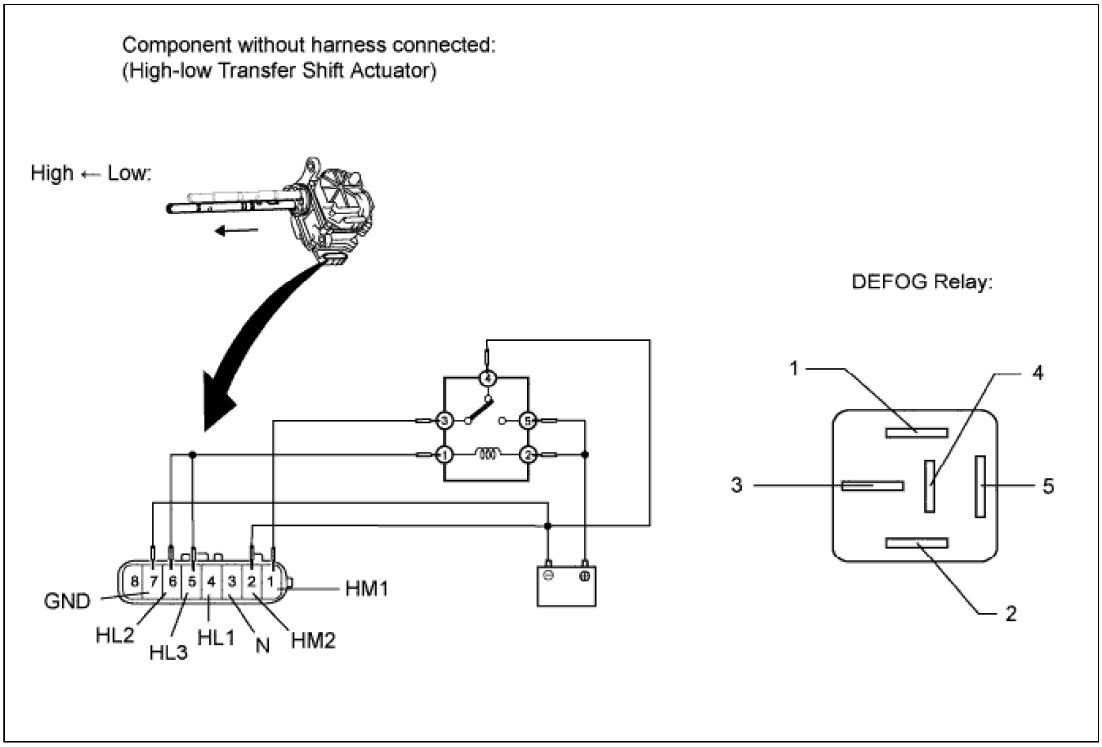
1. Connect lines via a relay as shown in the illustration, and check that the actuator fork moves from the low to high position.

**NOTICE:**

- Make sure to perform this inspection with the actuator removed from the vehicle. If this inspection is performed with the actuator installed to the vehicle, the actuator will be damaged.
- When inspecting the actuator, make sure to operate it with the lines connected via a relay. If the lines are not connected via a relay and battery voltage is directly applied to the actuator, the actuator will be damaged.

**HINT:**

When performing the operation described above, use the DEFOG relay.




2. After the low to high switch is complete, check the neutral position detection switch and limit switch.
   1. Measure the resistance according to the value(s) in the table below.

**Standard Resistance:**

| Tester Connection | Condition | Specified Condition |
|---|---|---|
| 3 (N) - 7 (GND) | After low to high switch is complete | 100 kΩ or higher |
| 4 (HL1) - 7 (GND) | After low to high switch is complete | Below 1 Ω |
| 5 (HL3) - 7 (GND) | After low to high switch is complete | 100 kΩ or higher |
| 6 (HL2) - 7 (GND) | After low to high switch is complete | 100 kΩ or higher |

If there is a malfunction, replace the transfer shift actuator assembly.

**INSPECT TRANSFER SHIFT ACTUATOR ASSEMBLY (CENTER DIFFERENTIAL LOCK ACTUATOR)**