

INSPECTION

1. INSPECT LIGHT CONTROL SWITCH CONTINUITY

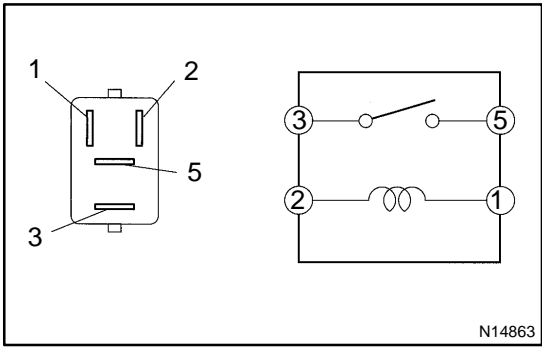
Switch Position	Tester Connection	Specified Condition
OFF	-	No continuity
TAIL	14 - 16	Continuity
HEAD	13 - 14 - 16	Continuity

If the continuity is not as specified, replace the switch.

2. INSPECT HEADLIGHT DIMMER SWITCH CONTINUITY

Switch Position	Tester Connection	Specified Condition
Flash	7 - 8 - 16	Continuity
Low beam	16 - 17	Continuity
High beam	7 - 16	Continuity

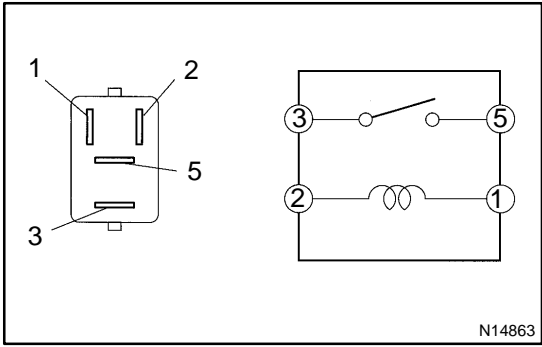
If the continuity is not as specified, replace the switch.



3. INSPECT HEADLIGHT RELAY (Marking: HEAD (Double Cab) or H-LP (Except Double Cab)) CONTINUITY

Tester Connection	Specified Condition
3 - 5	No continuity
3 - 5	Continuity (When battery voltage is applied to terminals 1 and 2)

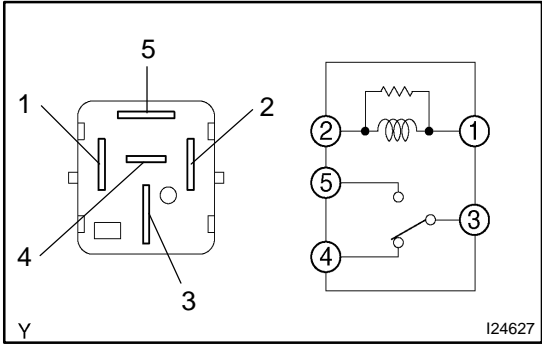
If the continuity is not as specified, replace the relay.



4. Double cab: INSPECT TAILLIGHT RELAY CONTINUITY

Tester Connection	Specified Condition
3 - 5	No continuity
3 - 5	Continuity (When battery voltage is applied to terminals 1 and 2)

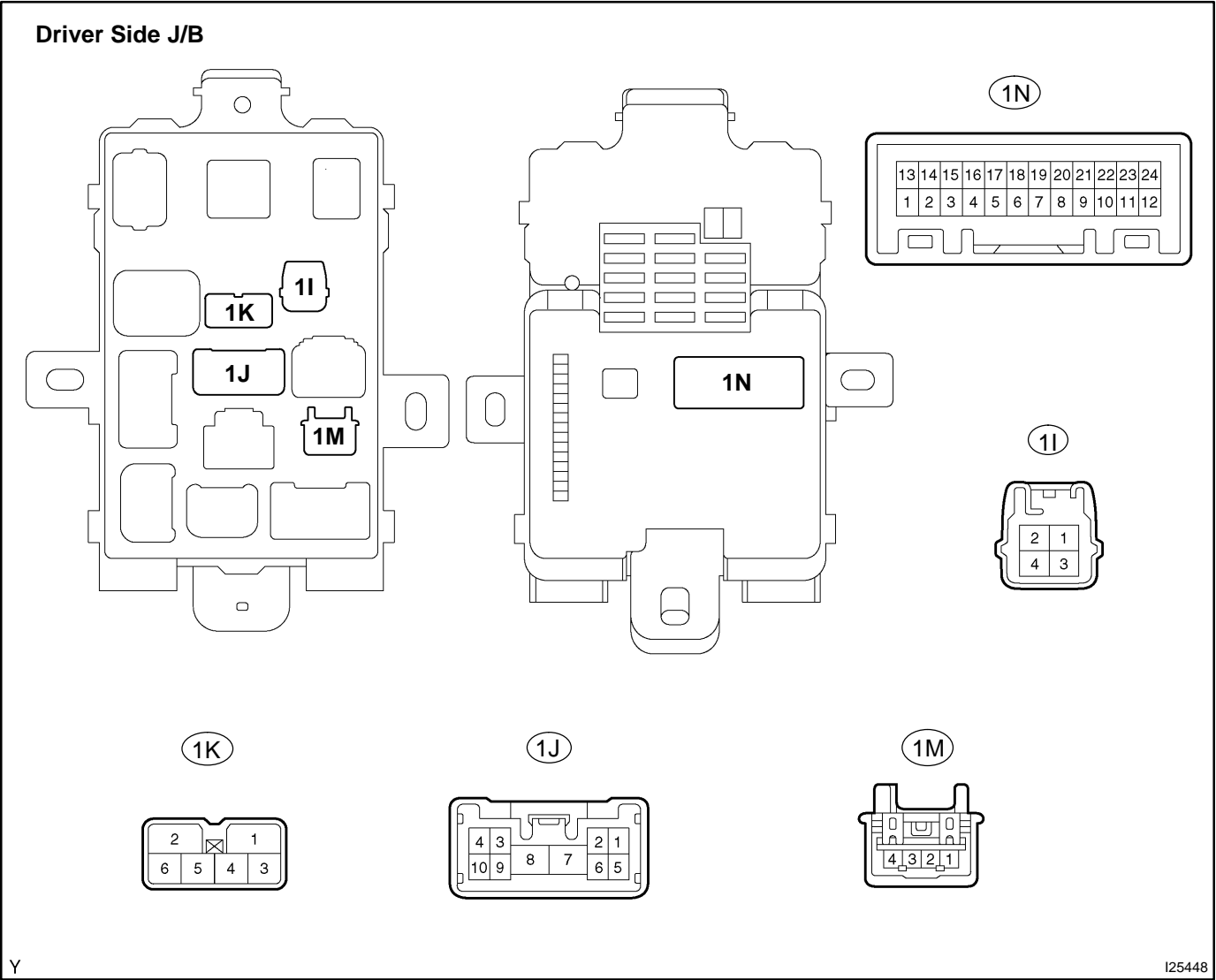
If the continuity is not as specified, replace the relay.



5. w/ Daytime running light: INSPECT DIMMER RELAY CONTINUITY

Tester Connection	Specified Condition
3 - 4	Continuity
3 - 4	No continuity (When battery voltage is applied to terminals 1 and 2)
3 - 5	No continuity
3 - 5	Continuity (When battery voltage is applied to terminals 1 and 2)

- If the continuity is not as specified, replace the switch.
6. **Except double cab (w/ Day time running light):**
CHECK INTEGRATION RELAY (DRIVER SIDE J/B) CIRCUIT
- (a) Disconnect the 1I, 1J, 1K, 1M and 1N driver side J/B connectors, and check the voltage or continuity of each terminal of the wire harness side connectors.



Tester Connection	Condition	Specified Condition
1I-2 – Body ground	Ignition switch LOCK or ACC	No voltage
1I-2 – Body ground	Ignition switch ON or START	10 – 14 V
1J-8 – Body ground	Constant	Continuity
1K-2 – Body ground	Constant	10 – 14 V
1K-5 – Body ground	Constant	10 – 14 V
1M-5 – Body ground	Fog light ON	10 – 14 V
1M-5 – Body ground	Fog light OFF	Below 1 V
1M-6 – Body ground	Constant	Continuity

BODY ELECTRICAL – HEADLIGHT AND TAILLIGHT SYSTEM

Tester Connection	Condition	Specified Condition
1N-1 – Body ground	Parking lever released	No continuity
1N-1 – Body ground	Parking lever pulled up	Continuity
1N-2 – Body ground	Engine Stop	No voltage
1N-2 – Body ground	Engine Running	10 – 14 V
1N-3 – Body ground	Light control switch OFF or TAIL	No continuity
1N-3 – Body ground	Light control switch HEAD	Continuity
1N-4 – Body ground	Light control switch OFF or TAIL	No continuity
1N-4 – Body ground	Light control switch HEAD	Continuity
1N-7 – Body ground	Headlight dimmer switch low beam	No continuity
1N-7 – Body ground	Headlight dimmer switch high beam or flash	Continuity
1N-8 – Body ground	Headlight dimmer switch low or high beam	No continuity
1N-8 – Body ground	Headlight dimmer switch flash	Continuity
1N-13 – Body ground	Brake fluid level warning light OFF	No continuity
1N-13 – Body ground	Brake fluid level warning light ON	Continuity
1N-24 – Body ground	Constant	Continuity

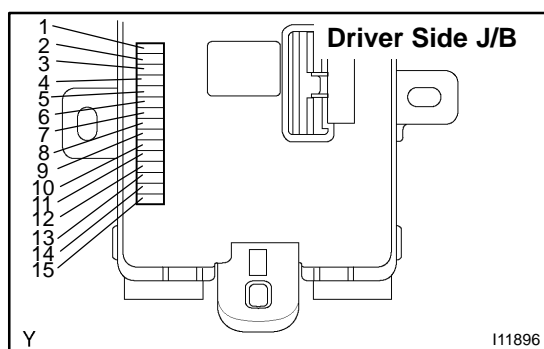
If the result is not as specified, there may be a malfunction on the wire harness side.

- (b) Reconnect the 1I, 1J, 1K, 1M and 1N J/B connectors, and check the voltage of each terminal of the connectors.

Tester Connection	Condition	Specified Condition
1M-3 – Body ground	Light control switch TAIL or HEAD	10 – 14 V
1M-3 – Body ground	Light control switch OFF	Below 1 V
1N-15 – Body ground	Light control switch TAIL or HEAD	10 – 14 V
1N-15 – Body ground	Light control switch OFF	Below 1 V

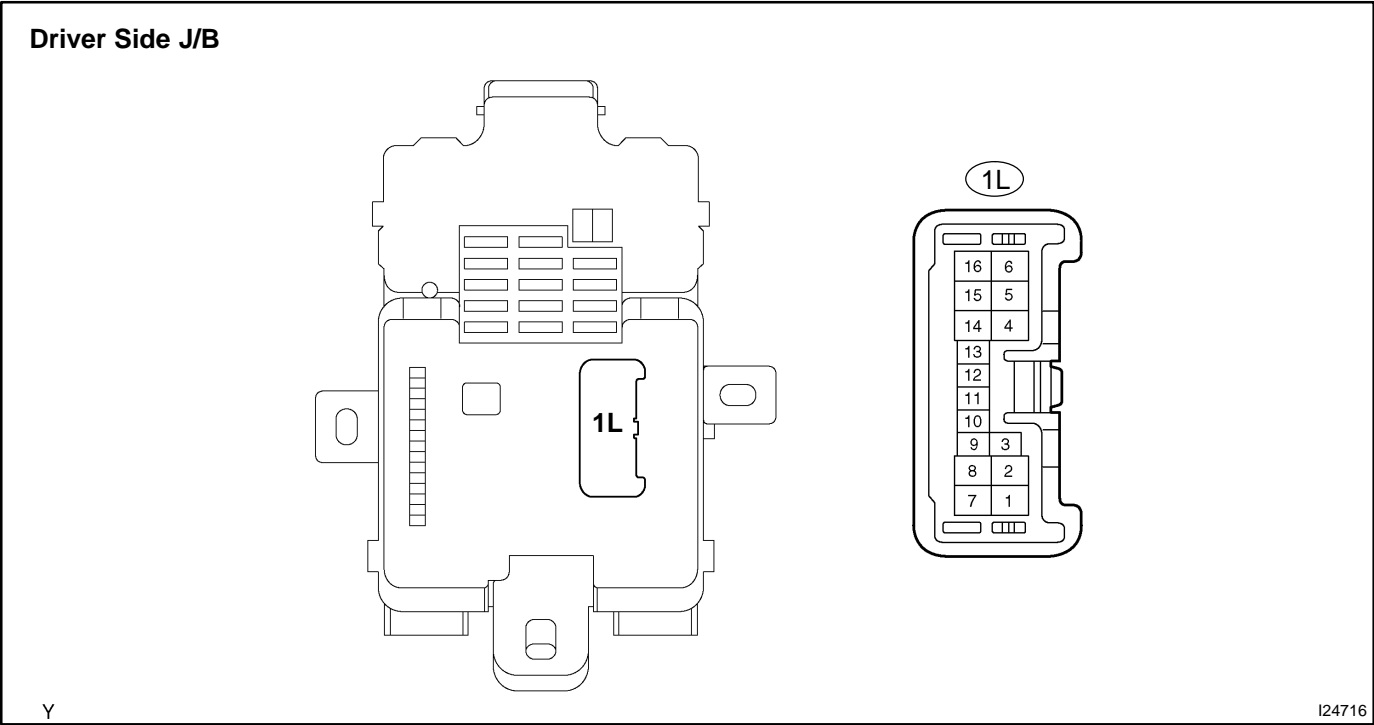
If the result is not as specified, the integration relay (drive side J/B) may have a malfunction.

- (c) Remove the integration relay from the driver side J/B, and check the voltage or continuity of each terminal on the J/B side (see page [BE-128](#)).



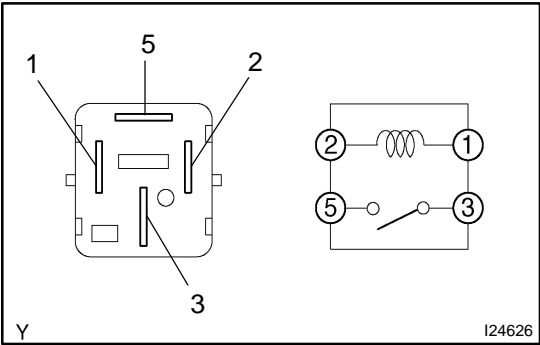
7. Except double cab (Daytime running light):
CHECK INTEGRATION RELAY (DRIVER SIDE J/B) CIRCUIT

Disconnect the 1L driver side J/B connector, and check the voltage or continuity of each terminal of the wire harness side connector.



Tester Connection	Condition	Specified Condition
1L-5 – Body ground	Light control switch OFF	No continuity
1L-5 – Body ground	Light control switch TAIL or HEAD	Continuity
1L-6 – Body ground	Constant	10 – 14 V
1L-13 – Body ground	Light control switch OFF	No continuity
1L-13 – Body ground	Light control switch TAIL or HEAD	Continuity

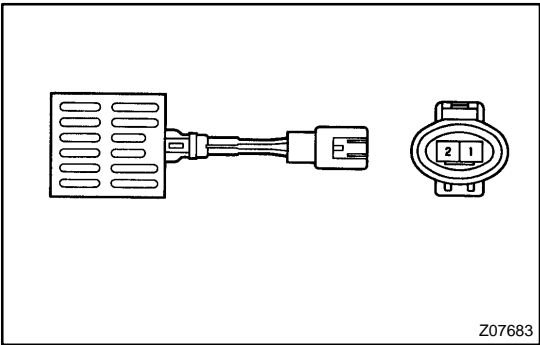
If the result is as specified, there may be a malfunction on the wire harness side.



8. INSPECT DAYTIME RUNNING LIGHT NO. 4 RELAY (Marking: DRL NO. 4) CONTINUITY

Tester Connection	Specified Condition
3 – 5	No continuity
3 – 5	Continuity (When battery voltage is applied to terminals 1 and 2)

If the continuity is not as specified, replace the relay.



9. INSPECT DAYTIME RUNNING LIGHT RESISTOR

Tester Condition	Specified Condition
1 – 2	Approx. 337 m Ω

If the result is not as specified, replace the resistor.