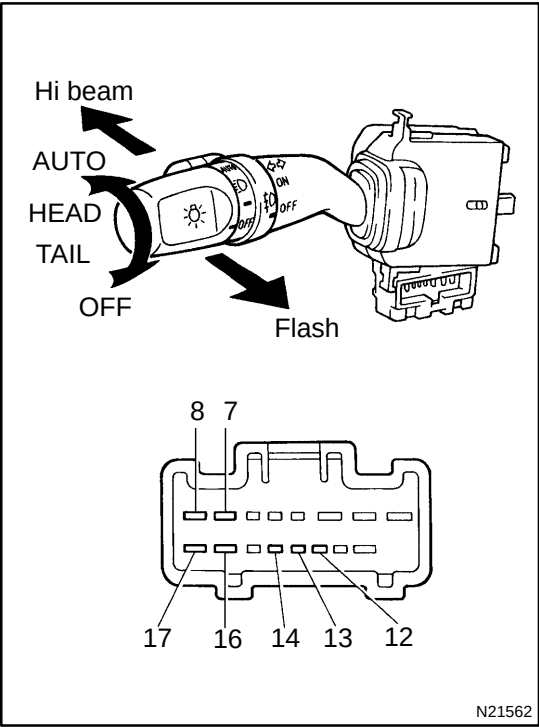




INSPECTION

1. w/o Automatic light control system:
INSPECT LIGHT CONTROL SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
OFF	-	No continuity
TAIL	14 - 16	Continuity
HEAD	13 - 14 - 16	Continuity

If continuity is not as specified, replace the switch.

2. w/ Automatic light control system:
INSPECT LIGHT CONTROL SWITCH CONTINUITY

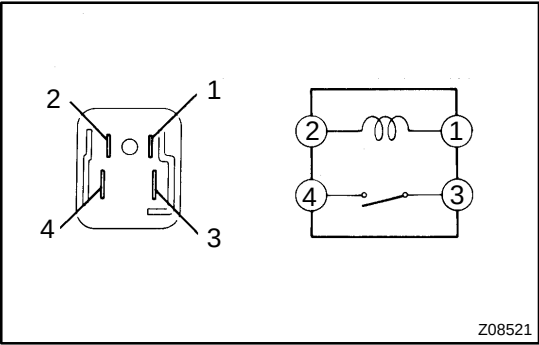
Switch position	Tester connection	Specified condition
OFF	-	No continuity
TAIL	14 - 16	Continuity
HEAD	13 - 14 - 16	Continuity
AUTO	12 - 16	Continuity

If continuity is not as specified, replace the switch.

3. INSPECT HEADLIGHT DIMMER SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
Low beam	16 - 17	Continuity
High beam	7 - 16	Continuity
Flash	7 - 8 - 16	Continuity

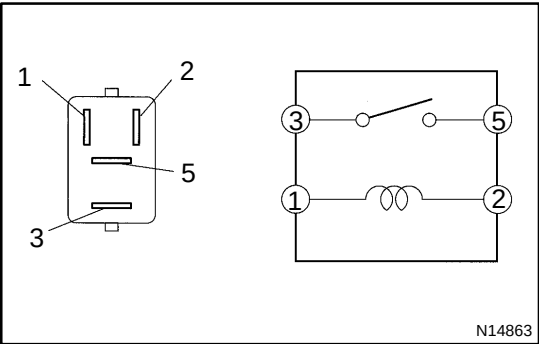
If continuity is not as specified, replace the switch.



4. INSPECT HEADLIGHT CONTROL RELAY CONTINUITY

Condition	Tester connection	Specified condition
Constant	1 - 2	Continuity
Apply B+ between terminals 1 and 2.	3 - 4	Continuity

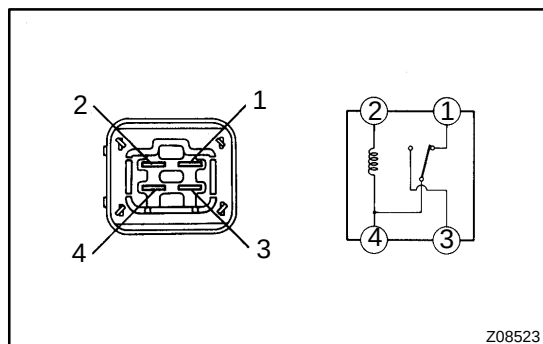
If continuity is not as specified, replace the relay.



5. INSPECT TAILLIGHT CONTROL RELAY CONTINUITY

Condition	Tester connection	Specified condition
Constant	1 - 2	Continuity
Apply B+ between terminals 1 and 2.	3 - 5	Continuity

If continuity is not as specified, replace the relay.

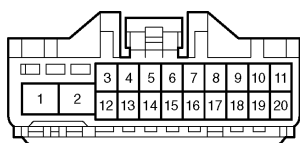


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6. INSPECT HEADLIGHT DIMMER RELAY CONTINUITY

Condition	Tester connection	Specified condition
Constant	1 - 4, 2 - 4	Continuity
Apply B+ between terminals 2 and 4.	3 - 4	Continuity

If continuity is not as specified, replace the relay.

Wire Harness Side:

N

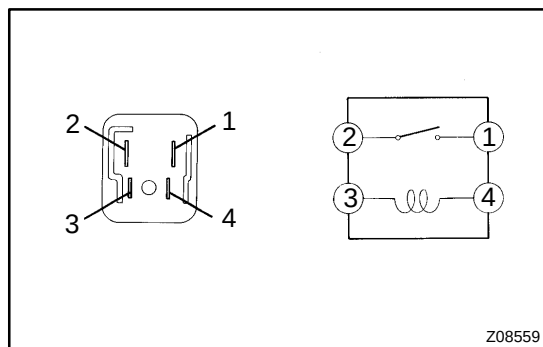
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**7. w/ Daytime running light system:
INSPECT DAYTIME RUNNING LIGHT RELAY (MAIN)
CIRCUIT**

Disconnect the connector from the relay and inspect the connector on the wire harness side.

Tester connection	Condition	Specified condition
7 - Ground	Light control switch position OFF or TAIL	No continuity
	Light control switch position HEAD (Light auto turn off not in operation)	Continuity
11 - Ground	Parking brake switch position OFF (Parking brake lever released)	No continuity
	Parking brake switch position ON (Parking brake lever pulled up)	Continuity
2 - Ground	Constant	Continuity
8 - Ground	Headlight dimmer switch position Low beam	No continuity
	Headlight dimmer switch position High beam or Flash	Continuity
10 - Ground	Brake fluid level warning position OFF	No continuity
	Brake fluid level warning position ON	Continuity
12 - Ground	Ignition switch position LOCK or ACC	No voltage
	Ignition switch position ON or START	Battery positive voltage
3 - Ground	Constant	Battery positive voltage
9 - Ground	Engine Stop	No voltage
	Engine Running	Battery positive voltage

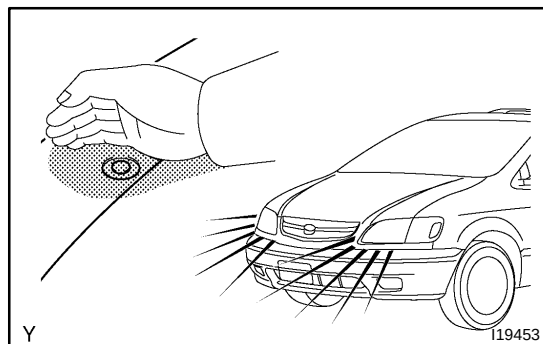
If circuit is as specified, try replacing the relay with a new one. If circuit is not as specified, inspect the circuits connected to other parts.



**8. w/ Daytime running light system:
INSPECT DAYTIME RUNNING LIGHT NO.4 RELAY
CONTINUITY**

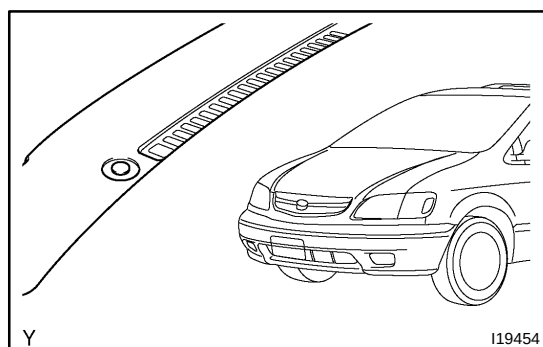
Condition	Tester connection	Specified condition
Constant	3 - 4	Continuity
Apply B+ between terminals 3 and 4.	1 - 2	Continuity

If continuity is not as specified, replace the relay.



**9. Auto ON:
INSPECT AUTOMATIC LIGHT CONTROL**

- Turn the ignition switch ON.
- Turn the light control switch to AUTO.
- Gradually cover the top of the sensor.
- Verify that the accessory lights up and the headlights turn ON.



**10. Auto OFF:
INSPECT AUTOMATIC LIGHT CONTROL**

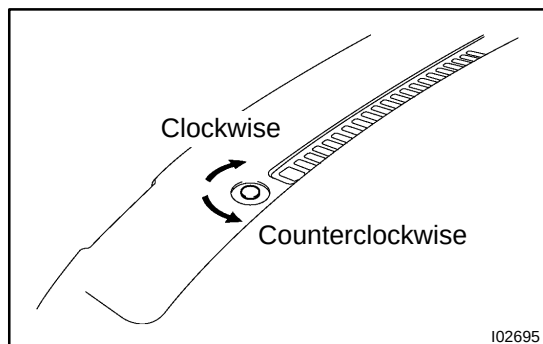
- Gradually expose the sensor.
- Verify that the headlights and the accessory lights come OFF.

11. INSPECT LIGHT-OFF CONDITION

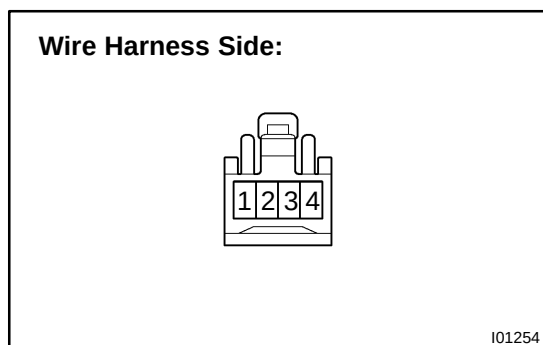
- Turn the ignition switch ON.
- Gradually cover the top of the sensor.
Lights auto ON:
- Verify that the lights will go out when light control switch position is OFF or the area surrounding the sensor gets bright or opening the except back door while the ignition switch is OFF.

12. INSPECT LIGHTS-ON CONDITION

- Open the driver's door while the ignition switch is OFF.
- Turn the light control switch to AUTO leaving the door open and cover the top of the sensor, and verify that the lights go on when the ignition switch is turned ON.

**13. ADJUST AUTOMATIC LIGHT CONTROL SENSOR**

- (a) Adjustment of the light control is performed by turning the sensitivity knob on the sensor.
- (b) This will determine at what light condition the automatic control will take place.
- If response is too quick, turn the knob counterclockwise.
 - If response is too slow, turn the knob clockwise.

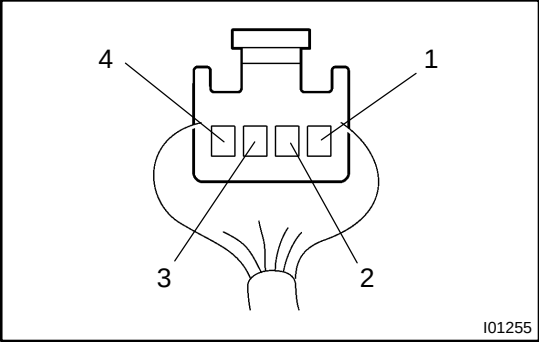
**14. w/ Automatic light control system:
INSPECT SENSOR CIRCUIT**

- (a) Disconnect the connector from the sensor and inspect the connector on the wire harness side, as shown in the chart.

Tester connection	Condition	Specified condition
3 - Ground	Constant	Continuity
1 - Ground	Ignition switch LOCK or ACC	No voltage
1 - Ground	Ignition switch ON	Battery positive voltage
4 - Ground	Ignition switch LOCK or ACC	No voltage
4 - Ground	Ignition switch ON	5.2 - 9.0 V

If circuit is as specified, perform the inspection on the following page.

If the circuit is not as specified, inspect the circuit connected to other parts.



- (b) Connect the wire harness side connector to the sensor and inspect wire harness side connector from the back side.
- HINT:
- Ignition switch ON.
 - Light control switch OFF.
 - Vehicle's surroundings are bright.

Tester connection	Condition	Specified condition
3 - Ground	Constant	Continuity
1 - Ground	Ignition switch LOCK or ACC	No voltage
1 - Ground	Ignition switch ON	9.5 V or more
Vehicle is under the direct sun light. (Sensor is not covered)		Taillight and Headlight are ON.

If circuit is as specified, try replacing the sensor with a new one.
If the circuit is not as specified, inspect the circuit connected to other parts.