

HOW TO PROCEED WITH TROUBLESHOOTING

HINT:

- Use these procedures to troubleshoot the lighting system.
- *: Use the intelligent tester.

1 VEHICLE BROUGHT TO WORKSHOP

NEXT

2 INSPECT BATTERY VOLTAGE

**Standard voltage:
11 to 14 V**

If the voltage is below 11 V, recharge or replace the battery before proceeding.

NEXT

3 REFER TO PROBLEM SYMPTOMS TABLE

| Result | Proceed to |
|---|------------|
| Fault is not listed in problem symptoms table | A |
| Fault is listed in problem symptoms table | B |

B

Go to step 5

A

4 OVERALL ANALYSIS AND TROUBLESHOOTING*

- (a) DATA LIST / ACTIVE TEST (See page [LI-22](#))
(b) Terminals of ECU (See page [LI-19](#))

NEXT

5 ADJUST, REPAIR OR REPLACE

NEXT

6 CONFIRMATION TEST

NEXT

END

OPERATION CHECK

1. ILLUMINATED ENTRY SYSTEM OPERATION CHECK

- (a) The illuminated entry system controls the following lights:
- Ignition key cylinder light*1 or transponder key amplifier*2
 - Foot light
 - Map light and room light

HINT:

*1: w/o Engine immobiliser system

*2: w/ Engine immobiliser system

- (b) Check that the lights come on when unlocking any of the doors that are closed and locked with the ignition switch OFF. Then check that the lights fade out under the following conditions:
- (1) Leave the doors unlocked for 15 seconds.
 - (2) Turn the ignition switch ACC or ON.
 - (3) Lock all the doors.
- (c) Check that the lights stay on for at least 15 seconds after opening any of the doors before fading out. Then check that the lights fade out 15 seconds after closing all the doors.
- (d) Check that the lights stay lit after turning the ignition switch OFF with all the doors closed and the ignition switch in the ACC or ON position. Then check that the lights fade out under the following conditions:
- (1) Leave the doors unlocked for 15 seconds.
 - (2) Turn the ignition switch ACC or ON.
 - (3) Lock all the doors.
- (e) Check that the lights stay on for at least 15 seconds after opening any of the doors. Then check that the lights fade out 15 seconds after closing all the doors.
- (f) Check that the lights come on when opening any of the doors and fade out when closing and locking all the doors or turning the ignition switch to the ACC or ON position.

2. FOOT LIGHT OPERATION CHECK

- (a) Check that the lights come on when unlocking any of the doors that are closed and locked with the ignition switch OFF. Then check that the lights fade out under the following conditions:
- (1) Leave the doors unlocked for 15 seconds.
 - (2) Lock all the closed doors and turn the ignition switch OFF.
- (b) Check that the lights stay on for at least 15 seconds under the following conditions before going off.
- (1) Turn the ignition switch to the ON position, and move the shift lever to the P position.
 - (2) Open any of the doors.
- (c) Check that the lights dim before going off when turning the ignition switch ON and shifting the shift lever into any position other than P.



- (d) Check the conditions below before the lights go off.
 - (1) The lights dim when shifting the shift lever into a position other than P and closing all the doors with the ignition switch ON.
 - (2) The lights come on for 15 seconds and fade out when shifting the shift lever into the P position and closing all the doors with the ignition switch OFF.
- (e) Check that the lights come on after opening any of the doors.
- (f) Check that the lights fade out 15 seconds after closing all the doors, or locking all the doors.
- (g) Check that the lights come on gradually with the ignition switch ON and the shift lever in the P position.
- (h) Check that the lights dim when shifting the shift lever from P into another position with all the doors closed.
- (i) Check that the lights stay dimmed with the ignition switch ON and the shift lever in a position other than P.

3. BATTERY SAVER OPERATION CHECK

- (a) Turn the ignition switch OFF and close all the doors.
- (b) Open any door to turn the room light on, and leave it open. Check that the light goes off after about 20 minutes.
- (c) After the room light goes off, close the driver's door.
- (d) Open any door to turn the room light on, and then open another door. Check that the room light goes off within 20 minutes after opening the doors.
- (e) Close all the doors. Open any door to turn the room light on. Check that the room light goes off within 20 minutes.

4. LIGHT AUTO TURN OFF OPERATION CHECK

- (a) Turn the ignition switch ON, and turn the light control switch to the TAIL or HEAD position.
- (b) Turn the ignition switch OFF and open the driver's door, and check that the headlights go off after about 30 seconds.
- (c) Turn the ignition switch to the ON position, and turn the light control switch to the TAIL or HEAD position.
- (d) Turn the ignition switch OFF and open the driver's door. Before the headlight goes off after about 30 seconds, lock all the doors and press the LOCK switch on the wireless transmitter. Check that the headlights go off immediately.

5. DAYTIME RUNNING LIGHT OPERATION CHECK

- (a) Check that the headlights come on when the light control switch is off with the engine running and the parking brake released. Then check that the lights go off under the following conditions:
 - (1) Turn the light control switch to the TAIL or HEAD position.

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- (2) Turn the ignition switch OFF. Check that the headlights go off immediately.