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 CUSTOMER PROBLEM ANALYSIS CHECK AND SYMPTOM CHECK

NEXT

3 INSPECT BATTERY VOLTAGE

Standard voltage:
11 to 14 V
If the voltage is below 11 V, recharge or replace battery before proceeding.

NEXT

4 INSPECT COMMUNICATION FUNCTION OF LARGE-SCALE MULTIPLEX COMMUNICATION SYSTEM (BEAN)*

(a) Use the intelligent tester to check if the Multiplex Communication System (MPX) is functioning normally.

Result

<table>
<thead>
<tr>
<th>Result</th>
<th>Proceed to</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPX DTC is not output</td>
<td>A</td>
</tr>
<tr>
<td>MPX DTC is output</td>
<td>B</td>
</tr>
</tbody>
</table>

B GO TO MULTIPLEX COMMUNICATION SYSTEM

A

5 PROBLEM SYMPTOMS TABLE

Result

<table>
<thead>
<tr>
<th>Result</th>
<th>Proceed to</th>
</tr>
</thead>
<tbody>
<tr>
<td>If fault is not listed in problem symptoms table</td>
<td>A</td>
</tr>
<tr>
<td>If fault is listed in problem symptoms table</td>
<td>B</td>
</tr>
</tbody>
</table>

B Go to step 7
6 OVERALL ANALYSIS AND TROUBLESHOOTING*

(a) Terminals of ECU (see page LI-15)
(b) DATA LIST / ACTIVE TEST (see page LI-18)

7 REPAIR OR REPLACE

8 CONFIRMATION TEST

END