

# 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**

Result	Proceed to
MPX DTC is not output	A
MPX DTC is output	B

**B** GO TO MULTIPLEX COMMUNICATION SYSTEM

A

**5** PROBLEM SYMPTOMS TABLE

**Result**

Result	Proceed to
If fault is not listed in problem symptoms table	A
If fault is listed in problem symptoms table	B

**B** Go to step 7

A

**6** OVERALL ANALYSIS AND TROUBLESHOOTING\*

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

NEXT

**7** REPAIR OR REPLACE

NEXT

**8** CONFIRMATION TEST

NEXT



END