

# HOW TO PROCEED WITH TROUBLESHOOTING

HINT:

- Use these procedures to troubleshoot the wiper and washer 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

WW

**3** 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**

**4** PROBLEM SYMPTOMS TABLE

**Result**

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

**B** Go to step 6

**A**

**5 OVERALL ANALYSIS AND TROUBLESHOOTING\***

- (a) Terminals of ECU (see page [WW-8](#))
- (b) DATA LIST/ACTIVE TEST (see page [WW-11](#))

**NEXT****6 REPAIR OR REPLACE****NEXT****7 CONFIRMATION TEST****NEXT****END**