HOW TO PROCEED WITH TROUBLESHOOTING

HINT:

- Use these procedures to troubleshoot the air conditioning 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 CHECK CAN COMMUNICATION SYSTEM*

(a) Use the intelligent tester to check if the CAN Communication system is functioning.

Result

| Result | Proceed to |
|-----------------------|------------|
| CAN DTC is not output | Α |
| CAN DTC is output | В |

HINT:

The amplifier of this system is connected to the CAN communication system. Therefore, before starting troubleshooting, make sure to check that there is no trouble in the CAN communication system.

В

Go to CAN COMMUNICATION SYSTEM

_ A _

4 CHECK DTC

- (a) Check for DTCs and note any codes that are output.
- (b) Delete the DTC.
- (c) Recheck for DTCs. Based on the DTCs output above, try to force output of the A/C system DTC by simulating the operation indicated by the DTC.

Result

| Result | Proceed to |
|-------------------|------------|
| DTC is output | Α |
| DTC is not output | В |



| Refer to the diagnostic trouble code chart (see page AC-20). NEXT 6 PROBLEM SYMPTOMS TABLE Refer to the Problem symptoms table (see page AC-13). Result Proceed to Fault is not listed in problem symptoms table Fault is listed in problem symptoms table B Go to step 8 A 7 OVERALL ANALYSIS AND TROUBLESHOOTING* (a) DATA LIST / ACTIVE TEST (see page AC-19). (b) Terminals of ECU (see page AC-15). (c) Inspection NEXT 8 ADJUST, REPAIR OR REPLACE NEXT 9 CONFIRMATION TEST | | | В | > [| Go to step 6 | |
|--|--------------|---|------------|--------|--|--|
| Refer to the diagnostic trouble code chart (see page AC-20). NEXT | A | | | | | |
| Refer to the Problem symptoms table (see page AC-13). Result Proceed to Fault is not listed in problem symptoms table B Go to step 8 A 7 OVERALL ANALYSIS AND TROUBLESHOOTING* (a) DATA LIST / ACTIVE TEST (see page AC-19). (b) Terminals of ECU (see page AC-15). (c) Inspection NEXT 8 ADJUST, REPAIR OR REPLACE NEXT 9 CONFIRMATION TEST | 5 | DTC CHART | | | | |
| Result Proceed to Result Proceed to Result Proceed to Fault is not listed in problem symptoms table Fault is listed in problem symptoms table B Go to step 8 A 7 OVERALL ANALYSIS AND TROUBLESHOOTING* (a) DATA LIST / ACTIVE TEST (see page AC-19). (b) Terminals of ECU (see page AC-15). (c) Inspection NEXT 8 ADJUST, REPAIR OR REPLACE NEXT 9 CONFIRMATION TEST | ` | | Refer to t | he d | iagnostic trouble code chart (see page AC-20). | |
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| Fault is listed in problem symptoms table B Go to step 8 7 OVERALL ANALYSIS AND TROUBLESHOOTING* (a) DATA LIST / ACTIVE TEST (see page AC-19). (b) Terminals of ECU (see page AC-15). (c) Inspection NEXT 8 ADJUST, REPAIR OR REPLACE NEXT 9 CONFIRMATION TEST | | Result | | | Proceed to | |
| B Go to step 8 7 OVERALL ANALYSIS AND TROUBLESHOOTING* (a) DATA LIST / ACTIVE TEST (see page AC-19). (b) Terminals of ECU (see page AC-15). (c) Inspection NEXT 8 ADJUST, REPAIR OR REPLACE NEXT 9 CONFIRMATION TEST | Fault is no | ot listed in problem symptoms table | | Α | | |
| 7 OVERALL ANALYSIS AND TROUBLESHOOTING* (a) DATA LIST / ACTIVE TEST (see page AC-19). (b) Terminals of ECU (see page AC-15). (c) Inspection NEXT 8 ADJUST, REPAIR OR REPLACE NEXT 9 CONFIRMATION TEST | Fault is lis | sted in problem symptoms table | | В | | |
| (a) DATA LIST / ACTIVE TEST (see page AC-19). (b) Terminals of ECU (see page AC-15). (c) Inspection NEXT 8 ADJUST, REPAIR OR REPLACE NEXT 9 CONFIRMATION TEST | A | J | В | > [| Go to step 8 | |
| (a) DATA LIST / ACTIVE TEST (see page AC-19). (b) Terminals of ECU (see page AC-15). (c) Inspection NEXT 8 ADJUST, REPAIR OR REPLACE NEXT 9 CONFIRMATION TEST | \sim | | | | | |
| (b) Terminals of ECU (see page AC-15). (c) Inspection NEXT 8 ADJUST, REPAIR OR REPLACE NEXT 9 CONFIRMATION TEST NEXT | 7 | 7 OVERALL ANALYSIS AND TROUBLESHOOTING* | | | | |
| 8 ADJUST, REPAIR OR REPLACE NEXT 9 CONFIRMATION TEST | | | (b) Term | ninals | s of ECU (see page AC-15). | |
| 9 CONFIRMATION TEST NEXT | NEXT | | | | | |
| 9 CONFIRMATION TEST NEXT | 8 | ADJUST, REPAIR OR REPLACE | | | | |
| NEXT | NEXT | | | | | |
| | 9 | CONFIRMATION TEST | | | | |
| END | NEXT | | | | | |
| LND | END | | | | | |
| | | | | | | |
| LIND | END | | | | | |