

HOW TO PROCEED WITH TROUBLESHOOTING

HINT:

- Use these procedures to troubleshoot the dynamic cruise control radar system.
- The intelligent tester II can be used in steps 4, 5, 6, and 10.

1 VEHICLE BROUGHT TO WORK SHOP

NEXT

2 CUSTOMER PROBLEM ANALYSIS CHECK AND SYMPTOM CHECK (See page 05-15)

NEXT

3 INSPECT BATTERY VOLTAGE

Standard: 11 to 14 V

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

NEXT

4 CHECK COMMUNICATION FUNCTION OF LARGE-SCALE BODY MULTIPLEX COMMUNICATION SYSTEM (BEAN)

- (a) Use the intelligent tester II 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
(See Pub. No. RM1049E, page 05-3140)

A

5 CHECK COMMUNICATION FUNCTION OF CONTROLLER AREA NETWORK (CAN)

- (a) Use the intelligent tester II to check for normal function of CAN communication system.
- (1) Perform bus check (communication malfunction DTC).
 - (2) Perform bus check (communication bus check).

Result:

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

B

Go to CAN COMMUNICATION SYSTEM

A

6 CHECK FOR DTC (See page 05-28)

- (a) Check for DTC and note any codes that are output.
- (b) Delete the DTC.
- (c) Recheck for DTC. Try to prompt the DTC by simulating the original activity that the DTC suggests.

Result:

Result	Proceed to
If DTC does not reoccur	A
If DTC reoccurs	B

B**Go to step 9****A****7 PROBLEM SYMPTOMS TABLE (See page 05-20)****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 9****A****8 OVERALL ANALYSIS AND TROUBLESHOOTING**

- (a) Terminal of ECU ([see page 05-22](#))
- (b) Data List/Active Test ([see page 05-32](#))

NEXT**9 REPAIR OR REPLACE****NEXT****10 CONFIRMATION TEST****NEXT****END**