

HOW TO PROCEED WITH TROUBLESHOOTING

The intelligent tester can be used in steps 2, 3, 4, 6 and 9.

1 VEHICLE BROUGHT TO WORKSHOP

NEXT

2 CONNECT INTELLIGENT TESTER TO DLC3

HINT:

If the display indicates a communication fault in the tester, inspect the DLC3.

NEXT

3 CHECK DTC AND FREEZE FRAME DATA

- (a) Check the DTC(s) and freeze frame data (See page [ES-30](#)).

HINT:

Record or print DTCs and freeze frame data, if necessary.

NEXT

4 CLEAR DTC AND FREEZE FRAME DATA

- (a) Clear the DTC(s) and freeze frame data (See page [ES-30](#)).

NEXT

5 CONDUCT VISUAL INSPECTION

NEXT

6 SET CHECK MODE DIAGNOSIS

- (a) Set the check mode (See page [ES-31](#)).

NEXT

7 CONFIRM PROBLEM SYMPTOMS

HINT:

If the engine does not start, perform steps 9 and 11 first.

Result

Result	Proceed to
Malfunction does not occur	A
Malfunction occurs	B

B**GO TO STEP 9****A****8 SIMULATE SYMPTOMS****NEXT****ES****9 CHECK DTC**(a) Check the DTC(s) (See page [ES-30](#)).**Result**

Result	Proceed to
Malfunction code	A
No code	B

B**GO TO STEP 11****A****10 REFER TO DTC CHART****HINT:**Refer to "DTC CHART" (See page [ES-38](#)).**NEXT****GO TO STEP 13****11 CONDUCT BASIC INSPECTION****HINT:**Refer to "BASIC INSPECTION" (See page [ES-7](#)).**Result**

Result	Proceed to
Malfunctioning parts not confirmed	A
Malfunctioning parts confirmed	B

B**GO TO STEP 16****A**

12 REFER TO PROBLEM SYMPTOMS TABLE

HINT:

Refer to "PROBLEM SYMPTOMS TABLE" (See page [ES-21](#)).**Result**

Result	Proceed to
Malfunctioning circuit confirmed	A
Malfunctioning parts confirmed	B

B**GO TO STEP 16****A****13 CHECK ECM POWER SOURCE CIRCUIT**

HINT:

Refer to "ECM POWER SOURCE CIRCUIT" (See page [ES-371](#)).**NEXT****14 CONDUCT CIRCUIT INSPECTION****Result**

Result	Proceed to
Malfunction not confirmed	A
Malfunction confirmed	B

B**GO TO STEP 17****A****15 CHECK FOR INTERMITTENT PROBLEMS**

HINT:

(See page [ES-7](#)).**NEXT****GO TO STEP 17****16 CONDUCT PARTS INSPECTION****NEXT**

17	IDENTIFY PROBLEM
-----------	-------------------------

NEXT

18	ADJUST AND/OR REPAIR
-----------	-----------------------------

NEXT

19	CONDUCT CONFIRMATION TEST
-----------	----------------------------------

NEXT

END

ES