HOW TO PROCEED WITH TROUBLESHOOTING

HINT:
The intelligent tester should be used in steps 3, 4, 5, 7 and 10.

1	VEHICLE BROUGHT TO WORKSHOP

NEXT

ES

2	CUSTOMER PROBLEM ANALYSIS

NEXT

3	CONNECT INTELLIGENT TESTER TO THE DLC3

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

NEXT

4	CHECK DTC AND FREEZE FRAME DATA

HINT:
Record or print DTCs and freeze frame data, if necessary (See page ES-28).

NEXT

5	CLEAR DTC AND FREEZE FRAME DATA

NEXT

6	CONDUCT VISUAL INSPECTION

NEXT

7	SET CHECK MODE DIAGNOSIS

NEXT

8	CONFIRM PROBLEM SYMPTOMS

HINT:
If the engine does not start, perform steps 10 and 12 first.
Result

Result	Proceed to
Malfunction does not occur	A
Malfunction occur	B

B → GO TO STEP 10

A

9	SIMULATE SYMPTOMS

NEXT

10	CHECK DTC

HINT:
See page ES-28.
Result

Result	Proceed to
Malfunction code	A
No code	B

B → GO TO STEP 12

A

11	REFER TO DTC CHART

HINT:
See page ES-37.

NEXT

GO TO STEP 14

12	CONDUCT BASIC INSPECTION

HINT:
See page ES-7.
Result

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

B → GO TO STEP 17

A

13	REFER TO PROBLEM SYMPTOMS TABLE

HINT:
See page ES-22.

Result

Result	Proceed to
Malfunctioning circuit confirmed	A
Malfunctioning parts confirmed	B

B → GO TO STEP 17

A

14	CHECK ECM POWER SOURCE CIRCUIT

HINT:
See page ES-336.

NEXT

15	CONDUCT CIRCUIT INSPECTION

Result

Result	Proceed to
Malfunction not confirmed	A
Malfunction confirmed	B

B → GO TO STEP 18

A

16	CHECK FOR INTERMITTENT PROBLEMS

HINT:
See page ES-7.

NEXT

GO TO STEP 18

17	CONDUCT PARTS INSPECTION

NEXT

18	IDENTIFY PROBLEM

NEXT

19	ADJUST AND/OR REPAIR

NEXT

20	CONDUCT CONFIRMATION TEST

NEXT

END