ECD SYSTEM (1KZ–TE)

HOW TO PROCEED WITH TROUBLESHOOTING

054S2–07

When using hand–held tester, troubleshoot in accordance with the procedure shown below.

1	VEHICLE BROUGHT TO WORKSHOP

2	CUSTOMER PROBLEM ANALYSIS (See page 05–302)

3	CONNECT THE HAND–HELD TESTER TO DLC3

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

4	CHECK DTC AND FREEZED FRAME DATA (See page 05–303)

HINT:
Record or print DTC and Freezed Frame Data, if needed.

5	CLEAR DTC AND FREEZED FRAME DATA (See page 05–303)

6	VISUAL INSPECTION

7	SETTING THE CHECK (TEST) MODE DIAGNOSIS (See page 05–303)

8	PROBLEM SYMPTOM CONFIRMATION

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

A	Malfunction does not occur
B	Malfunction occurs

B → GO TO STEP 10

A

9	SYMPTOM SIMULATION

10	DTC CHECK (See page 05–303)

A	Malfunction code
B	No code

B → GO TO STEP 12

A

11	DTC CHART (See page 05–311)

GO TO STEP 14

12	BASIC INSPECTION (See page 05–303)

A	Wrong parts not confirmed
B	Wrong parts confirmed

B → GO TO STEP 17

A

13	PROBLEM SYMPTOMS TABLE (See page 05–316)

A	Wrong circuit confirmed
B	Wrong parts confirmed

B → GO TO STEP 17

A

14	CHECK ECM POWER SOURCE CIRCUIT (See page 05–380)

15	CIRCUIT INSPECTION

A	Malfunction not confirmed
B	Malfunction confirmed

B → GO TO STEP 18

A

16	CHECK FOR INTERMITTENT PROBLEMS (See page 05–303)

GO TO STEP 18

17	PARTS INSPECTION

18	IDENTIFICATION OF PROBLEM

19	ADJUSTMENT, REPAIR

20	CONFIRMATION TEST

END

When not using hand–held tester, troubleshoot in accordance with the procedure shown below.

1	VEHICLE BROUGHT TO WORKSHOP

2	CUSTOMER PROBLEM ANALYSIS (See page 05–302)

3	CHECK AND CLEAR DTC (See page 05–303)

4	PROBLEM SYMPTOM CONFIRMATION

A	Malfunction occurs
B	Malfunction does not occur

B → SYMPTOM SIMULATION

5	DTC CHECK (See page 05–303)

A	Malfunction code
B	No code

B → GO TO STEP 7

A

6	DTC CHART (See page 05–311)

GO TO STEP 9

7	BASIC INSPECTION (See page 05–303)

A	Wrong parts not confirmed
B	Wrong parts confirmed

B → GO TO STEP 12

A

8	PROBLEM SYMPTOMS TABLE (See page 05–316)

A	Wrong circuit confirmed
B	Wrong parts confirmed

B → GO TO STEP 12

A

9	CHECK ECM POWER SOURCE CIRCUIT (See page 05–380)

10	CIRCUIT INSPECTION

A	Malfunction not confirmed
B	Malfunction confirmed

B → GO TO STEP 13

A

11	CHECK FOR INTERMITTENT PROBLEMS (See page 05–303)

GO TO STEP 13

12	PARTS INSPECTION

13	IDENTIFICATION OF PROBLEM

14	ADJUSTMENT, REPAIR

15	CONFIRMATION TEST

END