054JB–22

# HOW TO PROCEED WITH TROUBLESHOOTING

HINT:
Use this procedure to troubleshoot the ECD system.

## When using hand–held tester:

| | |
|---|---|
| 1 | VEHICLE BROUGHT TO WORKSHOP |

| | |
|---|---|
| 2 | CUSTOMER PROBLEM ANALYSIS (See page 05–9) |

| | |
|---|---|
| 3 | CONNECT HAND–HELD TESTER TO DLC3 |

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

| | |
|---|---|
| 4 | CHECK DTC AND FREEZE FRAME DATA (See page 05–29) |

HINT:
Record or print DTC and freeze frame data, if necessary.

| | |
|---|---|
| 5 | CLEAR DTC AND FREEZE FRAME DATA (See page 05–29) |

| | |
|---|---|
| 6 | VISUAL INSPECTION |

| | |
|---|---|
| 7 | SETTING CHECK MODE DIAGNOSIS (See page 05–31) |

| | |
|---|---|
| 8 | PROBLEM SYMPTOM CONFIRMATION |

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

| Result | Proceed to |
|---|---|
| Malfunction does not occur | A |
| Malfunction occurs | B |

B → Go to step 10

A

| 9 | SYMPTOM SIMULATION |
|---|---|

| 10 | DTC CHECK (See page 05–29) |
|---|---|

| Result | Proceed to |
|---|---|
| Malfunction code | A |
| No code | B |

B → Go to step 12

A

| 11 | DTC CHART (See page 05–38) |
|---|---|

Go to step 14

| 12 | BASIC INSPECTION (See page 05–11) |
|---|---|

| Result | Proceed to |
|---|---|
| Wrong parts not confirmed | A |
| Wrong parts confirmed | B |

B → Go to step 17

A

| 13 | PROBLEM SYMPTOMS TABLE (See page 05–22) |
|---|---|

| Result | Proceed to |
|---|---|
| Wrong circuit confirmed | A |
| Wrong parts confirmed | B |

B → Go to step 17

A

| 14 | CHECK ECM POWER SOURCE CIRCUIT (See page 05–152) |
|---|---|

| 15 | CIRCUIT INSPECTION |
|---|---|

| Result | Proceed to |
|---|---|
| Malfunction not confirmed | A |
| Malfunction confirmed | B |

B → Go to step 18

A

| 16 | CHECK FOR INTERMITTENT PROBLEMS (See page 05–10) |
|---|---|

Go to step 18

| 17 | PARTS INSPECTION |
|---|---|

| 18 | IDENTIFICATION OF PROBLEM |
|---|---|

| 19 | ADJUST, REPAIR |
|---|---|

| 20 | CONFIRMATION TEST |
|---|---|

END

## When not using hand–held tester:

| | |
|---|---|
| 1 | VEHICLE BROUGHT TO WORKSHOP |

| | |
|---|---|
| 2 | CUSTOMER PROBLEM ANALYSIS (See page 05–9) |

| | |
|---|---|
| 3 | CHECK AND CLEAR DTC (See page 05–29) |

| | |
|---|---|
| 4 | PROBLEM SYMPTOM CONFIRMATION |

| | |
|---|---|
| A | Malfunction occurs |
| B | Malfunction does not occur |

B → SYMPTOM SIMULATION (See page 05–22)

| | |
|---|---|
| 5 | DTC CHECK (See page 05–29) |

| | |
|---|---|
| A | Malfunction code |
| B | No code |

B → Go to step 7

A

| | |
|---|---|
| 6 | DTC CHART (See page 05–38) |

Go to step 9

| | |
|---|---|
| 7 | BASIC INSPECTION (See page 05–11) |

| | |
|---|---|
| A | Wrong parts not confirmed |
| B | Wrong parts confirmed |

B → Go to step 12

A

| | |
|---|---|
| 8 | PROBLEM SYMPTOMS TABLE (See page 05–22) |

| | |
|---|---|
| A | Wrong circuit confirmed |
| B | Wrong parts confirmed |

B → Go to step 12

A

| | |
|---|---|
| 9 | CHECK ECM POWER SOURCE CIRCUIT (See page 05–152) |

| | |
|---|---|
| 10 | CIRCUIT INSPECTION |

| | |
|---|---|
| A | Malfunction not confirmed |
| B | Malfunction confirmed |

B → Go to step 13

A

| | |
|---|---|
| 11 | CHECK FOR INTERMITTENT PROBLEMS (See page 05–10) |

Go to step 13

| | |
|---|---|
| 12 | PARTS INSPECTION |

| | |
|---|---|
| 13 | IDENTIFICATION OF PROBLEM |

| | |
|---|---|
| 14 | ADJUSTMENT, REPAIR |

| | |
|---|---|
| 15 | CONFIRMATION TEST |

END