

## HOW TO PROCEED WITH TROUBLESHOOTING

When using intelligent tester II, troubleshoot in accordance with the procedure shown below.

The intelligent tester II is used in steps 3, 4, 5, 7 and 10.

### 1 VEHICLE BROUGHT TO WORKSHOP



### 2 CUSTOMER PROBLEM ANALYSIS (See page 05-8)



### 3 CONNECT INTELLIGENT TESTER II 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 05-20)

HINT:

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



### 5 CLEAR DTC AND FREEZE FRAME DATA (See page 05-20)



### 6 CONDUCT VISUAL INSPECTION



### 7 SET CHECK MODE DIAGNOSIS (See page 05-22)



### 8 CONFIRM PROBLEM SYMPTOMS

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 SIMULATE SYMPTOMS****10 CHECK DTC (See page 05-20)**

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

**B** **GO TO STEP 12****A****11 REFER TO DTC CHART (See page 05-29)****GO TO STEP 14****12 CONDUCT BASIC INSPECTION (See page 05-10)**

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

**B** **GO TO STEP 17****A****13 REFER TO PROBLEM SYMPTOMS TABLE (See page 05-12)**

| 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 05-218)**

**15 CONDUCT 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 05-9)**

**GO TO STEP 18**

**17 CONDUCT PARTS INSPECTION****18 IDENTIFY PROBLEM****19 ADJUST AND/OR REPAIR****20 CONDUCT CONFIRMATION TEST**

**END**

When not using intelligent tester II, troubleshoot in accordance with the procedure shown below.

# 1 VEHICLE BROUGHT TO WORKSHOP

## 2 CUSTOMER PROBLEM ANALYSIS (See page 05-8)

## 3 CHECK AND CLEAR DTC (See page 05-20)

## 4 CONFIRM PROBLEM SYMPTOMS

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

**B** SIMULATE SYMPTOM (See page 01-22)

**A**

## 5 CHECK DTC (See page 05-20)

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

**B** GO TO STEP 7

**A**

## 6 REFER TO DTC CHART (See page 05-29)

GO TO STEP 9

## 7 CONDUCT BASIC INSPECTION (See page 05-10)

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

**B** GO TO STEP 12

**A**

**8** REFER TO PROBLEM SYMPTOMS TABLE (See page 05-12)

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

**B** GO TO STEP 12

**A**

**9** CHECK ECM POWER SOURCE CIRCUIT (See page 05-218)

**10** CONDUCT CIRCUIT INSPECTION

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

**B** GO TO STEP 13

**A**

**11** CHECK FOR INTERMITTENT PROBLEMS (See page 05-9)

GO TO STEP 13

**12** CONDUCT PARTS INSPECTION

**13** IDENTIFY PROBLEM

**14** ADJUST AND/OR REPAIR

**15** CONDUCT CONFIRMATION TEST

END