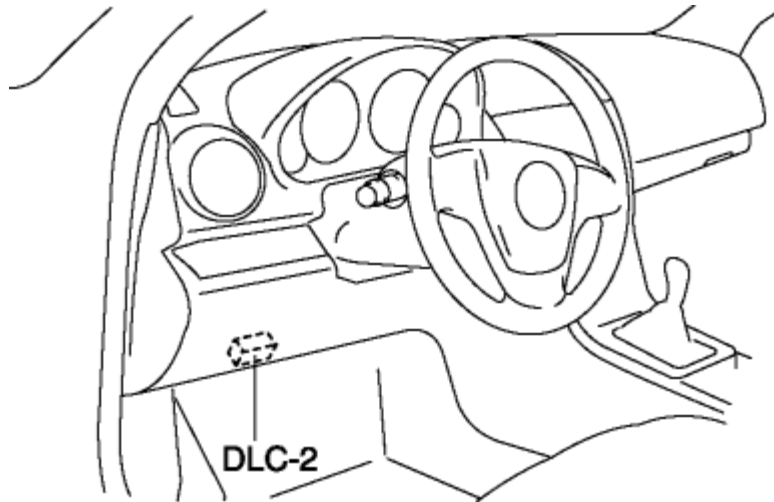


## 2012 - Mazda6 - Transmission/ Transaxle

### ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [FS5A-EL]

#### Reading DTCs Procedure

1. Connect the M-MDS (IDS) to the DLC-2.



2. After the vehicle is identified, select the following items from the initialization screen of the M-MDS.

- Select "Self Test".
- Select "Modules".
- Select "TCM".

#### NOTE:

- Snapshot data appears at the top of the help screen when the displayed DTC is selected.

#### Snapshot data

- The snap shot data stores the currently detected DTC data.
- The recording timing for the freeze frame data/snap shot data differs depending on the number of DTC drive cycles.
  - For a DTC with a drive cycle number 1, only the malfunction determination data is recorded.
  - For a DTC with a drive cycle number 2, both the malfunction determination and undetermined data is recorded.

3. Verify the DTC according to the directions on the M-MDS screen.

### Snapshot data table

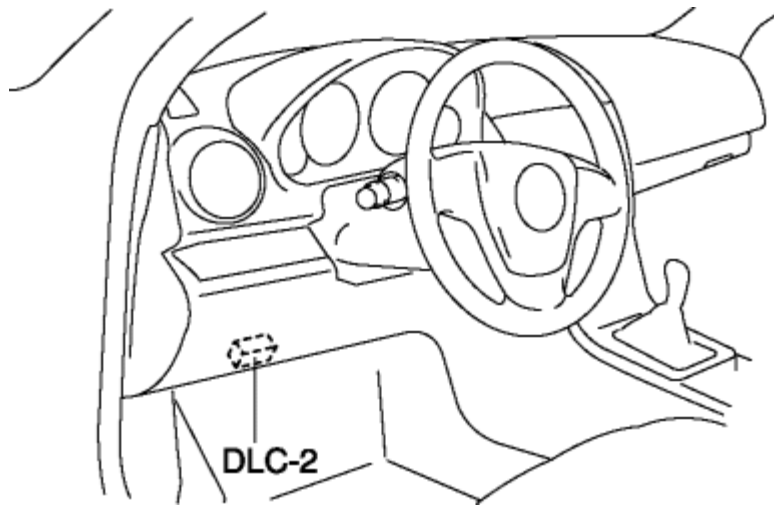
#### NOTE:

- Refer to PID monitor table for confirm the transaxle control system operation status while the TCM does not store the DTC. (See **ON-BOARD DIAGNOSTIC SYSTEM PID/ DATA MONITOR INSPECTION [FS5A-EL]** .)
- Snapshot data items are not displayed, according to detected DTC.

| Snapshot data item | Unit      | Definition                                | Corresponding PID data monitor item |
|--------------------|-----------|-------------------------------------------|-------------------------------------|
| LOAD               | %         | Calculated engine load                    | —                                   |
| ECT                | °C {°F}   | Engine coolant temperature                | ECT                                 |
| RPM                | RPM       | Engine speed                              | RPM                                 |
| VSS                | KPH {MPH} | Vehicle speed                             | VSS                                 |
| SPARKADV           | °         | Ignition timing                           | —                                   |
| IAT                | °C {°F}   | Intake air temperature                    | —                                   |
| TP1                | %         | Throttle valve position No.1              | —                                   |
| EG_RUN_TIME        | —         | Time from engine start                    | —                                   |
| CLR_CNT            | —         | Number of warm-up cycle after DTC cleared | —                                   |
| CLR_DIST           | Km {mile} | Mileage after DTC cleared                 | —                                   |
| VPWR               | V         | Module supply voltage                     | VPWR                                |
| APP1               | %         | Accelerator pedal position No.1           | —                                   |

#### Clearing DTCs Procedure

1. Connect the M-MDS (IDS) to the DLC-2.



2. After the vehicle is identified, select the following items from the initialization screen of the M-MDS.

- Select "Self Test".
- Select "Modules".
- Select "TCM".

3. Verify the DTC according to the directions on the M-MDS screen.

4. Press the clear button on the DTC screen to clear the DTC.

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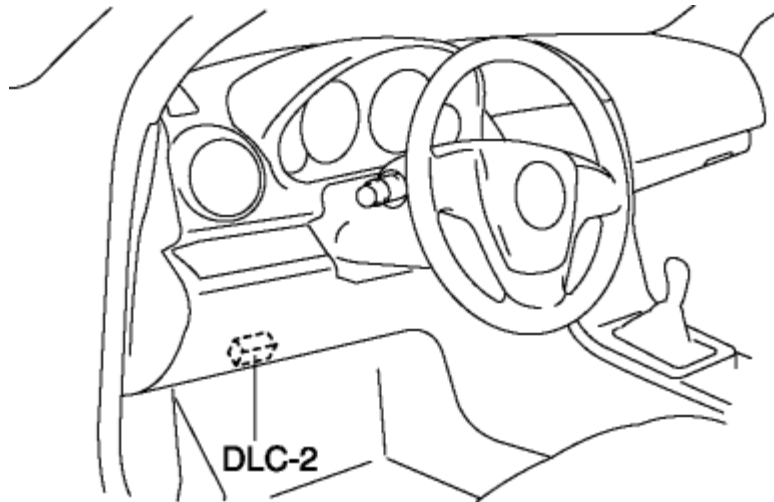
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## 2012 - Mazda6 - Transmission/ Transaxle

### ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [FS5A-EL]

#### Reading DTCs Procedure

1. Connect the M-MDS (IDS) to the DLC-2.



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#### NOTE:

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### Snapshot data table

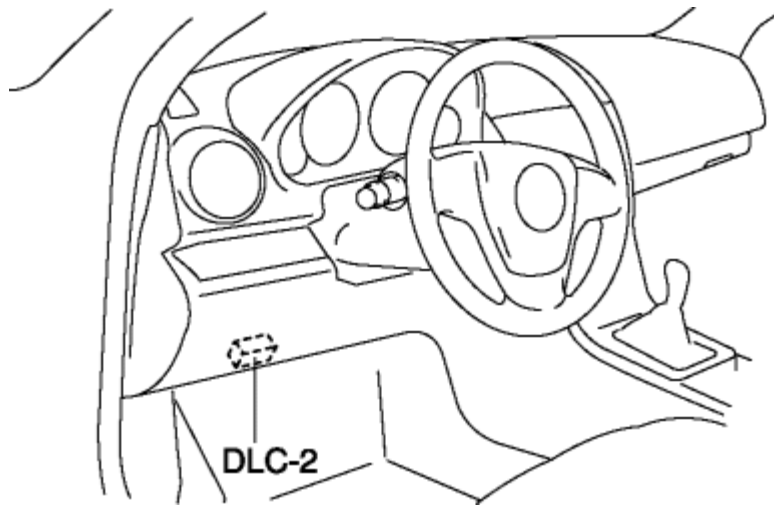
#### NOTE:

- Refer to PID monitor table to confirm the transaxle control system operation status while the TCM does not store the DTC. (See **ON-BOARD DIAGNOSTIC SYSTEM PID/ DATA MONITOR INSPECTION [FS5A-EL]**.)
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| Snapshot data item | Unit      | Definition                                | Corresponding PID data monitor item |
|--------------------|-----------|-------------------------------------------|-------------------------------------|
| LOAD               | %         | Calculated engine load                    | —                                   |
| ECT                | °C {°F}   | Engine coolant temperature                | ECT                                 |
| RPM                | RPM       | Engine speed                              | RPM                                 |
| VSS                | KPH {MPH} | Vehicle speed                             | VSS                                 |
| SPARKADV           | °         | Ignition timing                           | —                                   |
| IAT                | °C {°F}   | Intake air temperature                    | —                                   |
| TP1                | %         | Throttle valve position No.1              | —                                   |
| EG_RUN_TIME        | —         | Time from engine start                    | —                                   |
| CLR_CNT            | —         | Number of warm-up cycle after DTC cleared | —                                   |
| CLR_DIST           | Km {mile} | Mileage after DTC cleared                 | —                                   |
| VPWR               | V         | Module supply voltage                     | VPWR                                |
| APP1               | %         | Accelerator pedal position No.1           | —                                   |

#### Clearing DTCs Procedure

1. Connect the M-MDS (IDS) to the DLC-2.



2. After the vehicle is identified, select the following items from the initialization screen of the M-MDS.

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