

2012 - Mazda6 - Body and Accessories

DTC INSPECTION [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)]

Security light

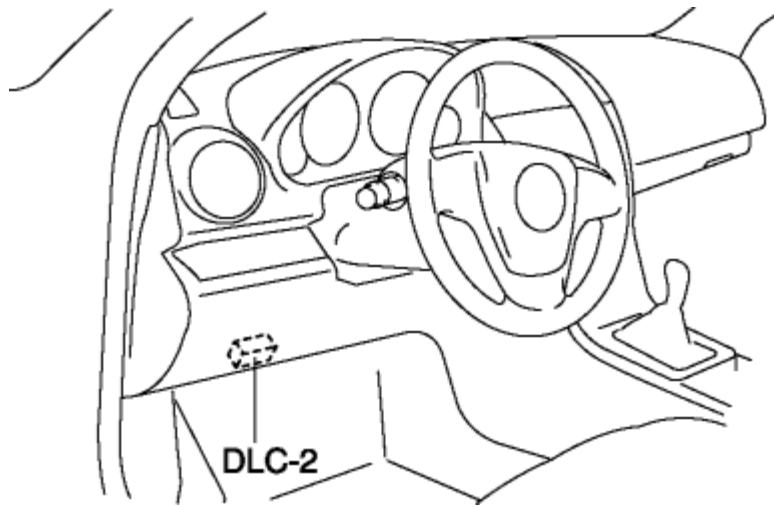
1. Switch the ignition to ON.
2. Verify the security light status.
 - If a malfunction is detected, the DTC pattern begins flashing after the security light flashes or illuminates for approx. 1 min according to the DTC. However, because there are DTCs which cannot be confirmed using the security light, verify the DTCs that were detected using the M-MDS prior to beginning the servicing.
 - DTC 16 or below: Flashes for **approx. 1 min** and the DTC flash pattern repeats 10 times.
 - DTC 21 or higher: Illuminate for **approx. 1 min** and the DTC flash pattern repeats 10 times.
 - If more than one DTC is detected, only the DTC with the lowest number is displayed.
 - If there is no malfunction, the security light illuminates for **approx. 3 s**, and then turns off.
3. If there is a malfunction, verify the DTCs using the M-MDS. When several DTCs are detected, repair the malfunctioning location based on the DTC displayed by the security light.

NOTE:

- Because of the possibility that one malfunction cause could result in several DTCs being detected, erase the DTCs after the repair is completed, and then re-inspect the DTCs.
4. After completion of repairs, clear all DTCs stored in the keyless control module.
- (See **CLEARING DTC [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)]**.)

M-MDS

1. Connect the M-MDS to the DLC-2.



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

- When using the IDS (laptop PC)
 1. Select "Self test"
 2. Select "Modules"
 3. Select "RKE"

3. Verify the DTC according to the directions on the screen.

- If any DTCs are displayed, perform troubleshooting according to the corresponding DTC inspection. When several DTCs are detected, repair the malfunctioning location based on the DTC displayed by the security light.

(See **DTC TABLE [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)]**.)

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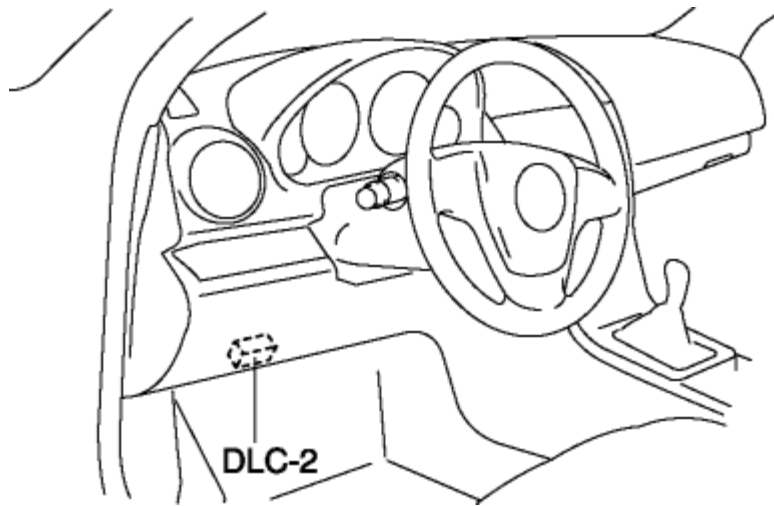
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