

2012 - Mazda6 - Body and Accessories

FOREWORD [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)]

- DTCs are recorded in the PCM and instrument cluster when a malfunction is detected. The stored DTCs can be verified using the flashing pattern of the security light and M-MDS. There are some DTCs which cannot be verified using the security light. Verify the DTCs that were detected using the M-MDS prior to beginning the servicing.

(See [DTC INSPECTION \[IMMOBILIZER SYSTEM \(KEYLESS ENTRY SYSTEM\)\]](#).)

- If more than one DTC is detected, the security light only displays the DTC with the lowest number. Begin repairs based on the DTC displayed by the security light. All DTCs can be read by the M-MDS.
- It is possible for several DTCs to be displayed for one malfunction cause. Erase the DTCs after one repair and then re-inspect the DTCs.
- If immobilizer system DTCs are not recorded even if the engine cannot be started, perform symptom troubleshooting.

(See [NO.3 WILL NOT CRANK \[MZR 2.5\]](#).)

(See [NO.3 WILL NOT CRANK \[MZI 3.7 V6\]](#).)

- The PID/data monitor function can be used to verify the number of key ID numbers programmed for a single vehicle.

(See [PID/ DATA MONITOR TABLE \[IMMOBILIZER SYSTEM \(KEYLESS ENTRY SYSTEM\)\]](#).)

NOTE:

- Due to the possibility that the engine cannot be started because transmission between the key and the vehicle is obstructed, do not allow the following items to contact the key ring.
 - Any metallic object
 - Spare keys or keys for other vehicles equipped with an immobilizer system
 - Any electronic device, or any credit or other card with magnetic strips

EXAMPLES:



METAL RING LYING ON KEY HEAD



**METAL PART OF ANOTHER
KEY TOUCHING KEY HEAD**



**KEY IS NEAR OR TOUCHING
ANOTHER IMMOBILIZER SYSTEM KEY**

[< Previous](#) [Next >](#)

[Back to Top](#)

© 2012 Mazda North American Operations, U.S.A.

2012 - Mazda6 - Body and Accessories

FOREWORD [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)]

- DTCs are recorded in the PCM and instrument cluster when a malfunction is detected. The stored DTCs can be verified using the flashing pattern of the security light and M-MDS. There are some DTCs which cannot be verified using the security light. Verify the DTCs that were detected using the M-MDS prior to beginning the servicing.

(See [DTC INSPECTION \[IMMOBILIZER SYSTEM \(KEYLESS ENTRY SYSTEM\)\]](#).)

- If more than one DTC is detected, the security light only displays the DTC with the lowest number. Begin repairs based on the DTC displayed by the security light. All DTCs can be read by the M-MDS.
- It is possible for several DTCs to be displayed for one malfunction cause. Erase the DTCs after one repair and then re-inspect the DTCs.
- If immobilizer system DTCs are not recorded even if the engine cannot be started, perform symptom troubleshooting.

(See [NO.3 WILL NOT CRANK \[MZR 2.5\]](#).)

(See [NO.3 WILL NOT CRANK \[MZI 3.7 V6\]](#).)

- The PID/data monitor function can be used to verify the number of key ID numbers programmed for a single vehicle.

(See [PID/ DATA MONITOR TABLE \[IMMOBILIZER SYSTEM \(KEYLESS ENTRY SYSTEM\)\]](#).)

NOTE:

- Due to the possibility that the engine cannot be started because transmission between the key and the vehicle is obstructed, do not allow the following items to contact the key ring.
 - Any metallic object
 - Spare keys or keys for other vehicles equipped with an immobilizer system
 - Any electronic device, or any credit or other card with magnetic strips

EXAMPLES:



METAL RING LYING ON KEY HEAD



**METAL PART OF ANOTHER
KEY TOUCHING KEY HEAD**



**KEY IS NEAR OR TOUCHING
ANOTHER IMMOBILIZER SYSTEM KEY**

[< Previous](#) [Next >](#)

[Back to Top](#)

© 2012 Mazda North American Operations, U.S.A.