

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

CHECK ENGINE LIGHT ON WITH DTC P2610 AND P2507

Bulletin No.: 01-003/21

Last Issued: 01/26/2021

BULLETIN NOTES

This bulletin supersedes the previously issued bulletin(s) listed below. The changes are noted below in Red.

Previously Issued TSBs	Date(s) Issued	Previously Issued TSBs	Date(s) Issued
01-002/20	01/23/20	01-018/15	08/06/15
01-003/19	01/04/19	01-017/14	10/17/14
01-012/18	05/08/18	01-001/13	01/07/13, 01/16/13 and 09/25/13
01-001/17	01/13/17		

APPLICABLE MODEL(S)/VINS

2013- 2021 CX-5	2016- 2021 CX-3
2014- 2021 Mazda6	2016- 2021 MX-5
2014-2018 Mazda3	2016- 2021 CX-9

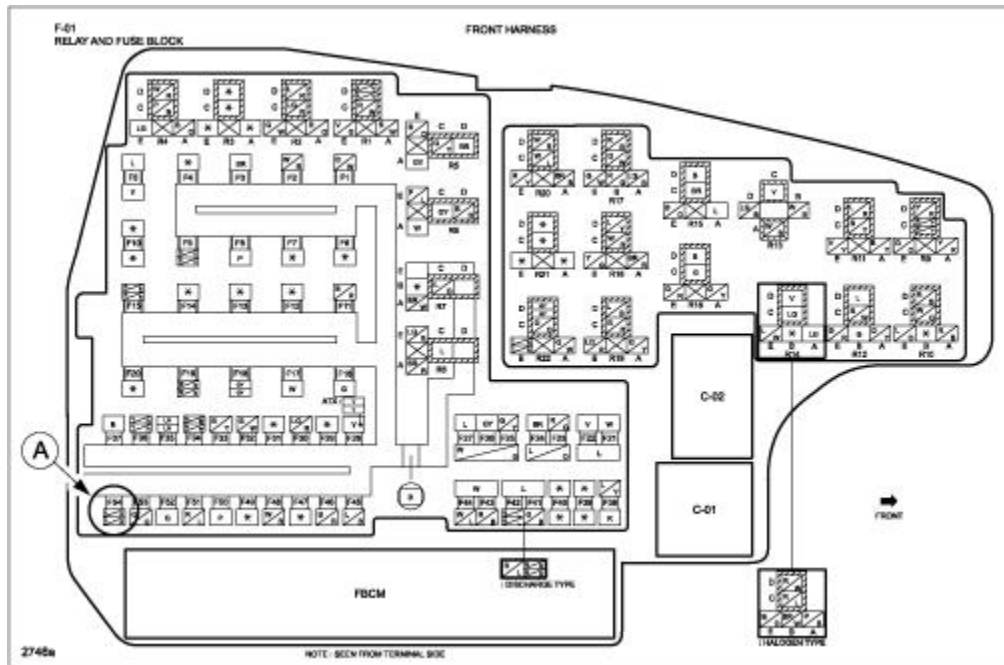
DESCRIPTION

Some vehicles may experience the CHECK ENGINE LIGHT ON with DTC P2610 and P2507 stored in memory after engine start and room fuse 15A (A) removed.

- P2610:00: Instrument cluster internal engine off timer performance problem
- P2507:00: PCM battery voltage low input

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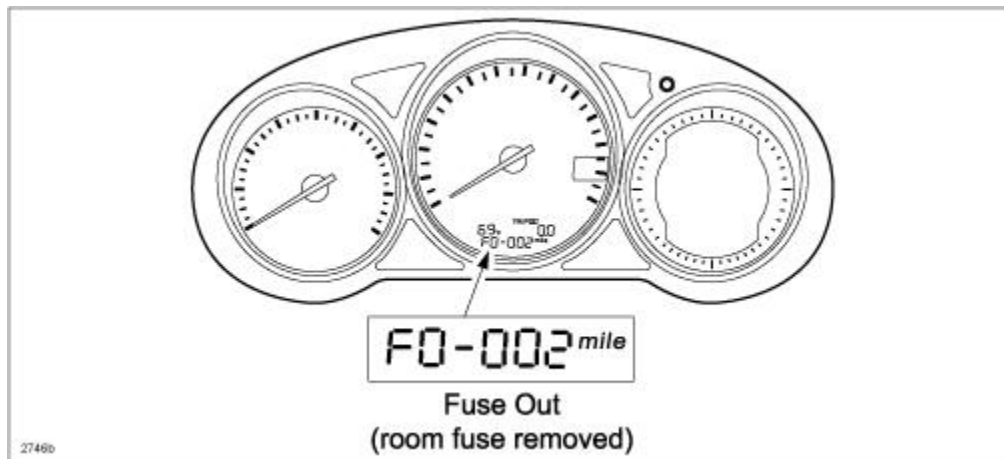
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As a past malfunction, the customer will not notice it (no warning light illuminated), but the DTC may be found during a vehicle service. P2507 in this situation is only applicable on 2016 and later models.

This is caused by the engine being started 3 or more times after a short duration of engine off (less than 15 seconds) with the room fuse removed.

NOTE: The odometer will display "F0-002" during transport mode (room fuse 15A removed). Transport mode is canceled when room fuse 15A is installed or the vehicle odometer is more than 12.4mi (20km).



Vehicles in dealer inventory with this concern should be repaired using the following repair procedure.

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REPAIR PROCEDURE

1. Verify DTC P2610 and P2507 are stored in PCM memory.
2. Install ROOM fuse 15A with ignition OFF.
3. Start the engine and let it run for at least 10 seconds, then stop the engine.
4. Start the engine again and verify that the CHECK ENGINE LIGHT is not illuminated, then stop the engine.
5. Clear DTC P2610 and P2507 from PCM memory using IDS.
6. Verify no other DTCs are stored in memory. If so, troubleshoot them according to the MGSS online instructions or Workshop Manual.

WARRANTY INFORMATION

NOTE:

- This repair will be covered only while the vehicle is in Dealer New Car status.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	6X
Damage Code	9W
DTC	P2610
Part Number Main Cause	9970-51-315
Quantity	0
Operation Number / Labor Hours:	XXH35XRX / 0.2 Hrs

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