

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: AIR BAG WARNING WITH DTC B1126:13 OR B1127:13	Bulletin No.: 08-002/22
	Last Issued : 09/13/2022

BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
08-002/22	04/22/22

APPLICABLE MODEL(S)/VINS

2020-2022 CX-30 with VINS lower than 3MVDM*****430409 (produced before June 8, 2022)

DESCRIPTION

Some vehicles may exhibit that the air bag warning light turns on or repeats cycles of turning on and off with DTC B1126:13 and/or B1127:13 stored in memory.

- B1126:13 - Driver-side side air bag module circuit open circuit or resistance high
- B1127:13 - Passenger-side side air bag module circuit open circuit or resistance high

This issue is caused by one or both of the following:

- When the driver or passenger moves, a load is applied to the seat back and the load may cause displacement of the mating terminals in the side air bag module connector, resulting in insufficient contact and higher resistance.
- The DTC detection level is too sensitive.

To eliminate these concerns:

- The design of the connector terminals in the side air bag module has been modified for firmer contact.
- The DTC detection level of the SAS control module has been optimized.

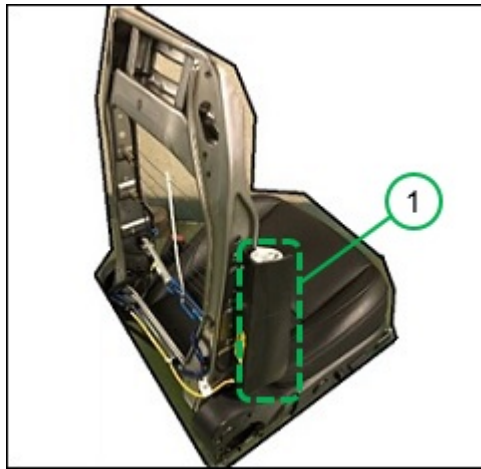
Customers having this concern should have their vehicle repaired using the following repair procedure.

REPAIR PROCEDURE

1. Verify the customer concern.
2. **[For 2020-2022 CX30 with VINs lower than 3MVDM*****414338 (produced before Feb. 27, 2022)]** Replace the affected side of the side air bag module(s) (1) with modified one(s) according to instructions on MGSS.
 - US/Canada spec: (SIDE AIR BAG MODULE REMOVAL/INSTALLATION [TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA SPEC.]).

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- Mexico spec: (SIDE AIR BAG MODULE REMOVAL/INSTALLATION [STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.])



3. **[For 2020-2022 CX30 with VINs lower than 3MVDM*****430409 (produced before June 8, 2022)]** Reprogram the SAS control module (SAS on MDARS screen) with the Mazda Modular Diagnostic System (M-MDS), using the Mazda Diagnostic And Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

- If the current calibration file name in the ECU FILENAME screen is the same as shown in the Calibration Files Information or with a later suffix, reprogramming is not necessary.
- After the reprogramming, pending DTC P2610:00 [PCM] may be stored without the CHECK ENGINE light ON. Since this DTC may turn to a current DTC depending on operations after the reprogramming, clear DTC after all repair work done.
- If DTC U2120:00 or/and U2500:82 are stored and i-ACTIVSENSE warning light (amber) turns on after the reprogramming, refer to SA-043/20.
- If the Welcome Lamp function is accidentally activated while using MDARS, it may also cause this concern. Check and correct as necessary. Refer to the SA-054/20 for details.

4. Clear the DTC, turn the ignition off, and get out of the vehicle.

5. Close and lock the door.

6. Wait for at least ten minutes.

7. Verify the repair by starting the engine and verifying that the air bag/seat belt pre-tensioner system warning light turns on for approx. 6 s and then turns off.

NOTE: If any DTCs remain after deleting DTCs, diagnose the DTCs according to the appropriate troubleshooting on MGSS.

CALIBRATION

Spec.	File Name
US and Canada	DFR5-57K31-D

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Mexico

DGS9-57K31-C

PARTS INFORMATION

Parts Number	Description	Qty.
DGH9-57-KA0A	Module - A/B, Side, RH	1
DGH9-57-KB0A	Module - A/B, Side, LH	1

NOTE: Due to supply chain and global logistics delays, we are encountering supply disruptions. A limited number of parts are available and all back orders will fill as stock becomes available at the PDCs.

WARRANTY INFORMATION**NOTE:**

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's Safety Warranty for 5 years/60K miles.
- Additional diagnostic time cannot be claimed for this repair.

[For vehicles with VINs lower than 3MVDM*****414338 (produced before Feb. 27, 2022) - Replacing the side airbag module and reprogramming of the SAS control module]

Warranty Type	A
Symptom Code	64
Damage Code	99
Part Number Main Cause	DGH9-57-K*0A
Quantity	1
Operation Number / Labor Hours:	XXW2MARX / 0.8 Hrs. (One side) XXW2MBRX / 1.3 Hrs. (Both sides)

[For vehicles with VINS greater than or equal to 3MVDM*****414338 (produced Feb. 27, 2022 and later - Reprogramming of the SAS control module only]

Warranty Type	A
Symptom Code	64
Damage Code	9W
Part Number Main Cause	5555-57-K30
Quantity	0

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Operation Number / Labor Hours:

XXW2MXFX / 0.3 Hrs.

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