

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922



<b>Subject:</b> ENGINE RESTART FAILURE AFTER I-STOP ACTIVATION FOLLOWING A STOP AFTER LOW-SPEED DRIVING (MEXICO ONLY)	<b>Bulletin No.:</b> 01-005/25
	<b>Last Issued :</b> 08/11/2025

## BULLETIN NOTES

### APPLICABLE MODEL(S)/VINS

#### Mexico Spec.:

2022-2023 CX-30 (Mexico built) vehicles with VINs lower than 3MV DM\*\*\*\* \*\* 589402 (Produced before Sept. 1, 2023)  
2022-2023 Mazda3 (Mexico built) vehicles with VINs lower than 3MZ BP\*\*\*\* \*\* 385892 (Produced before Sept. 11, 2023)

## DESCRIPTION

Some customers may complain of an engine restart failure after i-stop activation, following a stop after low-speed driving (below 20 km/h). Engine restart is possible with key operation.

This problem occurs when an IR request happens during an extremely short period (a few milliseconds) while transitioning to i-stop control, such as when the brake is released.

In this case, the engine may fail to restart due to improper i-stop control. This concern has been eliminated through a PCM control software modification.

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

## REPAIR PROCEDURE

1. Verify the customer concern.
2. Reprogram the PCM with the Mazda Modular Diagnostic System (M-MDS), using Mazda Diagnostic and Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

**NOTE: Be sure to submit Diagnostic Information (ODR) data as it is a required item and will be checked during warranty claim submission. Instructions can be found under M-MDS -> MDARS (Uploading Diagnostic Information (ODR) Data).**

3. Clear any other DTCs.

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4. Verify the repair by starting the engine (READY ON) and confirming there is no CHECK ENGINE light ON or abnormal warning lights present.

**Explanation to Customer Regarding Avg. Fuel Economy:**

Any ECU reprogramming resets the BCM's average fuel economy (remaining mileage). Therefore, the remaining mileage may change when the customer drives the vehicle after reprogramming. After learning the customer's average fuel consumption (calculated over several drives), the remaining mileage will be correctly displayed.

**CALIBRATION**

**Mexico**

Model	File Name (old)	File Name (new)	Actual reprogram time
Mazda3	PGCD-188K2-	PF6A-188K2-	4 min.
	PGCE-188K2-	PF6B-188K2-	
	PGJ8-188K2-A	PEYD-188K2-	
	PGJ9-188K2-A	PEYE-188K2-	
CX-30	PGCH-188K2-	PF7T-188K2-	
	PGCJ-188K2-	PF7V-188K2-	
	PGK5-188K2-A	PEYF-188K2-	
	PGK8-188K2-A	PEYG-188K2-	

**WARRANTY INFORMATION**

**NOTE:**

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mexico Base Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	05
Damage Code	9W
Causal Part No.	5555-18-881
Quantity	0
Operation No. and Labor Hours	XXX29XFX / 0.3 Hrs.

After reprogramming, keep a copy of the ECU FILENAME screen on M-MDS along with the repair order and warranty application sheet.

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