

<b>Subject:</b>  CHECK ENGINE LIGHT WITH DTC P0133:00	<b>Bulletin No.:</b> 01-009/23
	<b>Last Issued :</b> 07/12/2023

## BULLETIN NOTES

### APPLICABLE MODEL(S)/VINS

2024 CX-90 (3.3T) with VINS lower than JM3KK\*\*\*\*\*116065 (produced before June 1, 2023)

## DESCRIPTION

Some vehicles may exhibit the CHECK ENGINE light turning ON with DTC P0133:00 (A/F sensor system: Slow response) stored in memory. This may be caused by a false error detected due to improper error detection logic for some situations. To eliminate this concern, the control software of the PCM has been modified.

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

## REPAIR PROCEDURE

1. Verify the customer concern.
2. Diagnose according to the instructions on MGSS (P0133:00 [PCM (SKYACTIV-G 3.3T)]).
  - When the cause is found, repair as instructed by MGSS and claim the diagnosis labor (and repair labor, if repaired) as normal warranty claim.
3. Reprogram the PCM using the Mazda Diagnostic And Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

### NOTE:

- Reprogramming is not necessary if current calibration file name in the ECU FILENAME screen is the same as shown in Calibration Files Information or with later suffix.
  - The parameter "Battery State of Charge (SOC)" is reset during PCM reprogramming procedure.
  - Since the SOC value is necessary when performing "Battery condition initialization setting" after PCM reprogramming to decide whether battery charging is necessary or not, measure and record the PID "BATT\_SOC" first by using M-MDS Data logger function before reprogramming the PCM.
  - After the reprogramming, pending DTC P2610:00 [PCM] may be stored without MIL illumination. Since this DTC may turn to a current DTC depending on operations after the reprogramming, clear DTC after all repair work is done.
4. After PCM reprogramming, conduct the battery condition initial setting (i-stop setting) according to the instructions in MGSS (BATTERY CONDITION INITIALIZATION SETTING (i-stop SETTING)).
  5. Clear the DTC and turn the ignition off and get out of the car.
  6. Close and lock the door then wait ten minutes or more.

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

**NOTE:** If any DTCs should remain after deleting DTC, diagnose the DTCs according to the appropriate Troubleshooting section on MGSS.

#### CALIBRATION

Spec.	Power	File Name
US	High	H301-188K2-L
	Low	H302-188K2-L

**NOTE:** The 8th digit of the VIN identifies the type of engine.

- C = H3 High Power
- D = H3 Low Power

#### WARRANTY INFORMATION

**NOTE:**

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

Warranty Type	A
Symptom Code	6X
Damage Code	9W
Part Number Main Cause	5555-18-881
Quantity	0
Operation Number / Labor Hours:	XXWE5XFX / 0.3 Hrs.

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