

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: CHECK ENGINE LIGHT ON WITH DTCs P2096:00, P2097:00 AND/OR P0524:00	Bulletin No.: 01-012/20
	Last Issued: 09/30/2020

APPLICABLE MODEL(S)/VINS

US (except California) / Canada Spec.(without cylinder deactivation or turbo charger)

2019 CX-3 vehicles with VINs lower than JM1DK*****460772 (produced before Sep. 10, 2019)

2018-2019 CX-5 vehicles with VINs between JM3KF*****341877 - 689724 (produced from Jan. 9, 2018 - Aug. 29, 2019)

2019 MX-5 vehicles with VINs lower than JM1ND*****310734 (produced before Aug. 29, 2019)

2019 MX-5 30th SV vehicles with VINs lower than JM1ND*****400683 (produced before Aug. 28, 2019)

2019-2020 Mazda3 (Japan built) vehicles with VINs lower than JM1BP*****147794 (produced before Jul. 1, 2019)

2019-2020 Mazda3 (Mexico built) vehicles with VINs lower than 3MZBP*****115261 (produced before Jul. 1, 2019)

2018 Mazda6 vehicles with VINs lower than JM1GL*****336710 (produced before Dec. 21, 2018)

Puerto Rico Spec.:

2019 Mazda2 vehicles with VINs between 3MDDJ*****309487 - 316139 (produced from Nov. 1, 2018 - Jun. 13, 2019)

NOTE:This service bulletin is not applicable to California spec. vehicles. Refer to ("SSPC0 - CALIFORNIA REGISTERED VEHICLES DIAGNOSTIC TROUBLE CODES (DTC) CONCERN")for CA emissions vehicles registered in California.

DESCRIPTION

Some vehicles may experience the check engine light on with DTCs P2096:00, P2097:00 and/or P0524:00 that cannot be cleared by itself, and the check engine light stays on even if the detection condition has gone.

- P2096:00 - Air fuel too lean
- P2097:00 - Air fuel too rich
- P0524:00 - Engine oil pressure too low

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This concern may be caused by improper PCM control logic. The PCM software has been modified to eliminate this concern.

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

REPAIR PROCEDURE

1. Verify the customer concern.
2. If DTCs P2096:00, P2097:00 and/or P0524:00 are stored in PCM memory.
3. Reprogram the PCM according to:
 - CX-3, CX-5, MX-5 Mazda2 and Mazda6:IDS ECU Reprogramming Procedure
 - Mazda3: MDARS ECU Reprogramming Procedure
4. Verify the repair.

CALIBRATION INFORMATION

2019 MAZDA2 (Puerto Rico Spec.)

Transmission	File Name
MT	P5G9-188K2-E
AT	P5H1-188K2-E

2019-2020 MAZDA3 (Japan built)

Engine	Transmission	File Name	Note
2.0L	MT	PAJ2-188K2-H	Mitsubishi
		PAJ3-188K2-J	Denso
	AT	PAH9-188K2-H	Mitsubishi
		PAJ1-188K2-J	Denso
2.5L	AT	PXJ7-188K2-C	Mitsubishi
		PXJ8-188K2-D	Denso

2019-2020 MAZDA3 (Mexico built)

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Engine	Transmission	File Name	Note
2.0L	MT	PAK1-188K2-D	Mitsubishi
		PAK2-188K2-E	Denso
	AT	PAJ8-188K2-D	Mitsubishi
		PAJ9-188K2-E	Denso
2.5L	AT	PXK5-188K2-B	Mitsubishi
		PXK6-188K2-C	Denso

2018 MAZDA6

Transmission	File Name
MT	PYH1-188K2-K
AT	PYH2-188K2-K

2019 CX-3

Emission	Transmission	Drive	File Name
FED	MT	2WD	PAD7-188K2-F
		2WD	PAD8-188K2-F
	AT	4WD	PAD9-188K2-F
CALIF	MT	2WD	PA01-188K2-F
		2WD	PA02-188K2-F
	AT	4WD	PA03-188K2-F

2018-2019 CX-5

MY	Engine	Transmission	Drive	File Name	Note
2018	2.0L	MT	2WD	PEL1-188K2-F	Mitsubishi
				PEL2-188K2-E	Denso
	2.5L	AT	2WD	PYH9-188K2-G	Mitsubishi

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				PYJ1-188K2-F	Denso
			4WD	PYJ2-188K2-G	Mitsubishi
				PYJ3-188K2-F	Denso
2019	2.0L	MT	2WD	PAL9-188K2-D	Mitsubishi
				PAM1-188K2-C	Denso
	2.5L	AT	2WD	PX46-188K2-D	Mitsubishi
				PX47-188K2-C	Denso
			4WD	PX48-188K2-D	Mitsubishi
				PX49-188K2-C	Denso

2019 MX-5

Roof	Transmission	File Name
Soft top	MT	PAD2-188K2-D
	AT	PAC6-188K2-D
RHT	MT	PAD4-188K2-C
	AT	PAD5-188K2-D

NOTE: It is not necessary to order a replacement PCM for this repair procedure.

WARRANTY INFORMATION**NOTE:**

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

Warranty Type	A
Symptom Code	6X

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Damage Code	9W
Part Number Main Cause	5555-18-881
Quantity	0
Operation Number / Labor Hours:	XXS53XFX / 0.3 Hrs.

NOTE:

- After reprogramming, be sure to keep the "Log Viewer" screen shot on M-MDS along with the repair order and warranty application sheet.
- **Mazda3 Only:** After reprogramming, be sure to keep the screen shot of the ECU FILENAME on M-MDS along with the repair order and warranty application sheet.

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