



Subject: CHECK ENGINE LIGHT ON WITH DTC P2096:00	Bulletin No: 01-006/16
	Last Issued: 02/24/2016

APPLICABLE MODEL(S)/VINS

2016 CX-5 (SKYACTIV 2.5L A/T) vehicles with VINs lower than JM3KE*****759448 (produced before December 24, 2015)

DESCRIPTION

Some vehicles may experience the Check Engine Light ON with DTC P2096:00. No other engine air/fuel related DTC are stored. This may be caused by improper PCM control logic.

NOTE: If other engine air/fuel related DTC are stored, this Service Information is not applicable. Refer to MS3 online for diagnosis and repair.

P2096:00 - H02S fuel injection control system - Air fuel too lean

The PCM control logic has been modified to eliminate this concern.

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

REPAIR PROCEDURE

1. Reboot the IDS to clear memory before reprogramming.
2. Using IDS 99.01 or later software, reprogram the PCM to the latest calibration (refer to "Calibration Information" table) by following the "Module Reprogramming" procedure.

NOTE:

- Always update the IDS tool first, then follow on-screen instructions to download the needed calibration file for PCM reprogramming.
- It is not necessary to remove any fuses or relays during PCM reprogramming when the IDS screen prompts you to do so. You may accidentally stop power to one of the PCM terminals and cause the PCM to be blanked, or you may receive error messages during the IDS reprogramming procedure.
- IDS shows the calibration part numbers after programming the PCM.
- Please be aware that PCM calibration part numbers and file names listed in any Service Bulletin may change due to future releases of IDS software, and additional revisions made to those calibrations for service related concerns.
- When reprogramming a PCM, IDS will always display the "latest" calibration P/N available for that vehicle. If any calibration has been revised/updated to contain new information for a new service concern/issue, it will also contain all previously released calibrations.
- **Start/Stop button vehicles only: DO NOT press the start/stop button during the reprogramming process.**
- **When performing this procedure, we recommend using the "Power Supply" mode in the Battery Management System to keep the vehicle battery up to capacity. If a different charger is used, make sure it does not exceed 20 AMPS. If it exceeds 20 AMPS, it could damage the VCM.**

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

3. After performing the PCM reprogramming procedure, clear DTCs.
4. After clearing DTCs, start the engine and confirm that no warning lights stay on.

NOTE:

- If any DTCs should remain after performing DTC erase, diagnose the DTCs using MS3 online instructions or Workshop Manual section 01-02.
- Disconnect the negative battery cable and wait for 30 seconds or more to reset the fuel control learning data.

CALIBRATION INFORMATION

Engine	Transmission	Drive	File Name	Memo
Calif	A/T	2WD	PYAJ-188K2-D	Mitsubishi
			PYAR-188K2-D	Denso
		4WD	PYAK-188K2-C	Mitsubishi
			PYAS-188K2-C	Denso
Fed	A/T	2WD	PYAL-188K2-C	Mitsubishi
			PYAT-188K2-C	Denso
		4WD	PYAM-188K2-D	Mitsubishi
			PYAV-188K2-D	Denso

NOTE: It is not necessary to order a PCM part 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
Damage Code	9W
DTC Code	P2096
Part Number Main Cause	5555-RP-PCM
Quantity	0
Operation Number / Labor Hours	XXM1ZXFX / 0.3 Hrs. (PCM reprogramming)