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<b>Subject:</b>  MIL ILLUMINATION WITH DTC P0101:00	<b>Bulletin No:</b> 01-011/13
	<b>Last Issued:</b> 03/06/2013

## APPLICABLE MODEL(S)/VINS

2011-2012 CX-7 2.3L (Turbo)

## DESCRIPTION

Some vehicles may exhibit a MIL illumination with DTC P0101:00 stored in memory.

- DTC P0101:00 - MAF sensor circuit range/performance problem

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

## REPAIR PROCEDURE

1. Verify the customer complaint of a MIL illumination with DTC P0101:00 stored in memory.
2. Perform a Warranty Vehicle Inquiry using the eMDCS system:
  - If the eMDCS Warranty Vehicle inquiry shows campaign MSP36 as "Open", reprogram the PCM according to this service bulletin and submit the claim using **MSP36 Open** from the Warranty Information.
  - If the eMDCS Warranty Vehicle inquiry shows campaign MSP36 as "Closed", reprogram the PCM according to this service bulletin and submit the claim using **MSP36 Closed** from the Warranty Information.
3. Reboot the IDS to clear memory before reprogramming.
4. Using IDS 82.05 or 83.02 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.
- **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.**

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**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.

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5. After performing the PCM reprogramming procedure, verify the repair by starting the engine and making sure there are no MIL illumination or abnormal warning lights present.

**NOTE:**

- If any DTCs should remain after performing DTC erase, diagnose the DTCs according to the appropriate Troubleshooting section of the Workshop Manual.
- After PCM reprogramming, it is no longer necessary to road test the vehicle to "relearn" KAM (Keep Alive Memory).
- Retain a copy of the "Log Viewer" screen on IDS along with the repair order and warranty application sheet. Check the File Name after reprogramming PCM.

### CALIBRATION INFORMATION

Model Year	Spec.	Drive	File Name	New PCM Calibration Part No.
2011 / 2012	Calif.	2WD	L3DT-188K2-D	L3DT-18881-D
2011 / 2012	Calif.	4WD	L3DV-188K2-D	L3DV-18881-D
2011 / 2012	Fed. / Canada	2WD	L3DW-188K2-D	L3DW-18881-D
2011 / 2012	Fed. / Canada	4WD	L3DX-188K2-D	L3DX-18881-D
2011 / 2012	Mexico	2WD	L3EA-188K2-D	L3EA-18881-D
2011 / 2012	Mexico	4WD	L3EB-188K2-D	L3EB-18881-D

**NOTE:** The New PCM Calibration Part Numbers listed above are provided for PCM reprogramming purposes only. These are not necessarily the same Mazda part numbers used to order an actual PCM through the Mazda Parts System. It is not necessary to order a PCM as part of this repair procedure.

### WARRANTY INFORMATION

**NOTE:**

- This warranty information applies only to verified complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's Emission Control Warranty term.
- Additional diagnostic time cannot be claimed for this repair.
- Use the appropriate warranty information depending on the status of MSP36 (Open or Closed).

	Status: MSP36 Closed	Status: MSP36 Open
Warranty Type	A	A
Symptom Code	6X	99
Damage Code	9W	99
Process Number	---	AC029A
Part Number Main Cause	5555-RP-PCM	7777-SP-G47
Quantity	0	0
Operation Number / Labor Hours	XXJ2AXFX / 0.3 Hrs.	XXH4TXFX / 0.3 Hrs.