



SB-10055139-6956

TO: All Mazda Dealership General Managers, Service Managers, and Parts Managers

DATE: February 2014

SUBJECT: 2007-2012 CX-7 Nonconformity to Evaporative Emission Standard
Emission Recall 7113L

Mazda Motor Corporation has decided to conduct an Emission Recall Campaign to reprogram the Powertrain Control Module (PCM) on certain 2007-2012 CX-7 vehicles equipped with L3T (Turbo) 2.3L engine and produced from February 14, 2006 through April 26, 2012.

This emission recall campaign supersedes MSP36 and Service Bulletin 01-020/12.

On certain 2007-2012 CX-7 vehicles, incorrect PCM software parameters could cause the vehicle to exceed required evaporative emission standards. Reprogramming the PCM with updated software will correct the condition.

Owners of affected vehicles will be notified by first class mail on February 14, 2014. Dealers should repair any affected vehicles that arrive at their dealerships, whether or not the customer has received a letter.

This package contains important information about Emission Recall 7113L:

Attachment I	Parts and Service Information
Attachment II	Repair Procedure
Attachment III	Owner Notification Letter

Important notice: California Department of Motor Vehicles and the Commonwealth of Massachusetts, in conjunction with the California Air Resources Board and the Environmental Protection Agency for the State of Massachusetts, have implemented the Registration Renewal/Recall Tie-In Program, which requires the completion of Emission Recalls prior to registration renewal. Mazda dealers must provide customers in these states a Vehicle Emission Recall – Proof of Correction Certificate upon completion of the recall. Instruct the customer to keep the certificate until needed for registration renewal.

Failure to perform applicable recalls before delivery can result in extensive dealer fines and penalties from the Federal Government. Therefore, you must complete this recall for all affected vehicles in your inventory prior to delivery.

To help you effectively perform this recall, Mazda has developed the following resources:

1. The attached service information (Attachment I) and repair procedure (Attachment II) were emailed to your Service Department and are also available on eMDCS and MS3 (Mazda Service Support System) websites via MXConnect.
2. For technical assistance, contact the Technical Assistance Hotline at (888) 832-8477, Option 3 for an English speaking Hotline Specialist, Option 4 for a Spanish speaking Hotline Specialist.
3. For warranty questions, contact the Warranty Hotline at (877) 727-6626, Option 3.
4. We recommend using the Recall Reminder Report #JS30R165-1 and Recall Reminder Labels available in Web Reporting to encourage customers to come in for the recall (with recall reminder postcards). Dealers may use such owner information for the sole purpose of conducting and performing this recall, and for no other purpose. **Using it for marketing activities is strictly prohibited and could subject your dealership to serious fines.** The information in the report is protected by state privacy and other applicable laws regarding disclosure of personal and/or confidential, restricted or blocked information. It is the dealer's responsibility to protect the confidentiality of owner records and prevent the release of information to other parties.

Please make certain the appropriate personnel in your dealership are aware of these resources and are familiar with the details of this recall before responding to customer inquiries.

We apologize for any inconvenience this recall may cause you and your customers. Your understanding and support in carrying out this campaign is greatly appreciated.

Sincerely,



Satoshi Takahashi
Director, Technical Services Division
Mazda North American Operations

CONDITION OF CONCERN

On certain 2007-2012 CX-7 vehicles, incorrect PCM software parameters could cause the vehicle to exceed required evaporative emission standards. Reprogramming the PCM with updated software will correct the condition.

This emission recall campaign supersedes MSP36 and Service Bulletin 01-020/12.

Dealers are instructed to reprogram the PCM to the latest calibration.

Recall repairs must be performed on all subject vehicles at no charge to the vehicle owner. Refer to Attachment II for repair instructions.

SUBJECT VEHICLES

Model	Affected VINs	Build Date Range
2007-2012 CX-7 with L3T (Turbo) engine	2007: JM3 ER**** 70 100057 – 169185 2008: JM3 ER**** 80 169188 – 215755 2009: JM3 ER**** 90 215758 – 238633 2010: JM3 ER**** A0 300038 – 353038 2011: JM3 ER**** B0 353048 – 410354 2012: JM3 ER**** C0 410407 – 424994	February 14, 2006 through April 26, 2012

The asterisk symbol “*” can be any letter or number.

OWNER NOTIFICATION

Mazda will notify U.S. owners by first class mail on February 14, 2014. Dealers should inspect any subject vehicles that arrive at their dealerships, whether or not the customer has received a letter.

PARTS INFORMATION

Description	Part Number	Quantity	Notes
Campaign Label	9999-95-065A-06	1=50 labels	Obtain in MStore (no charge)
Vehicle Emission Recall – Proof of Correction Certificate *	9999-95-ERPC-99	1=50 certificates	Obtain in MStore (no charge)

* **Important notice:** California Department of Motor Vehicles and the Commonwealth of Massachusetts, in conjunction with the California Air Resources Board and the Environmental Protection Agency for the State of Massachusetts, have implemented the Registration Renewal/Recall Tie-In Program, which requires the completion of Emission Recalls prior to registration renewal. Mazda dealers must provide customers a **Vehicle Emission Recall – Proof of Correction Certificate** (p/n 9999-95-ERPC-99 available in MStore) upon completion of the recall.

WARRANTY CLAIM PROCESSING INFORMATION

	PCM Reprogramming
Warranty Type	R
Process Number	AD052A
Symptom Code	99
Damage Code	99
Part Number Main Cause	7777SPJ38
Quantity	0
Labor Operation Number	XXK2PXXFX
Labor Hours	0.3 hrs.

VERIFY THE VEHICLE NEEDS THE RECALL

1. Verify the vehicle is within the following ranges:

Model	Affected VINs	Build Date Range
2007-2012 CX-7 with L3T (Turbo) engine	2007: JM3 ER**** 70 100057 – 169185 2008: JM3 ER**** 80 169188 – 215755 2009: JM3 ER**** 90 215758 – 238633 2010: JM3 ER**** A0 300038 – 353038 2011: JM3 ER**** B0 353048 – 410354 2012: JM3 ER**** C0 410407 – 424994	February 14, 2006 through April 26, 2012

The asterisk symbol “*” can be any letter or number.

If the vehicle is not within the above ranges, return it to the customer.

2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect vehicle for an Authorized Campaign Label **RECALL 7113L** attached to the vehicle’s hood or bulkhead.

eMDCS System – Vehicle Status Inquiry Results:

If eMDCS displays:	Campaign Label is:	Action to perform:
RECALL 7113L	Present	Contact the Warranty Hotline at (877) 727-6626, option 3, to update vehicle history.
	Not present	Proceed to “REPAIR PROCEDURE”.
RECALL 7113L CLOSED	Present	Return vehicle to inventory or customer.
	Not present	Complete a label and apply to vehicle's hood or bulkhead.
RECALL 7113L is not displayed	Does not apply	Recall does not apply to this vehicle. Return vehicle to inventory or customer.

REPAIR PROCEDURE

Please refer to Attachment II.

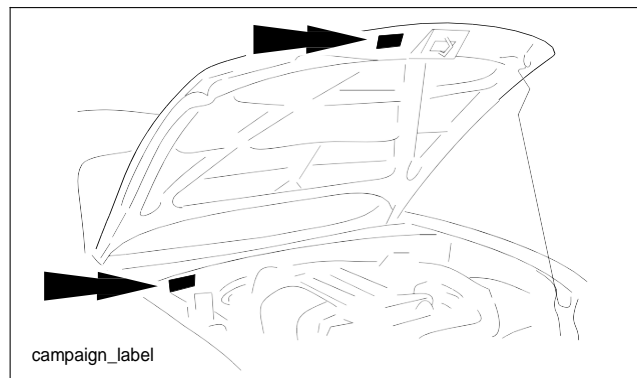
A. VEHICLE INSPECTION PROCEDURE

1. Verify the vehicle is within the following VIN and production date ranges:

Model	Affected VINs	Build Dates
2007-2012 CX-7 with L3T (Turbo) engine	2007: JM3 ER**** 70 100057 – 169185 2008: JM3 ER**** 80 169188 – 215755 2009: JM3 ER**** 90 215758 – 238633 2010: JM3 ER**** A0 300038 – 353038 2011: JM3 ER**** B0 353048 – 410354 2012: JM3 ER**** C0 410407 – 424994	February 14, 2006 through April 26, 2012

- If the vehicle is within the above ranges, proceed to Step 2.
 - If the vehicle is not within one of the above ranges, return the vehicle to the customer or inventory.
2. Perform a Warranty Vehicle Inquiry using your eMDCS System, and inspect the vehicle for a Campaign Label “**Recall 7113L**” or “**MSP36**” attached to the vehicle’s hood or bulkhead. Refer to eMDCS System - Warranty Vehicle Inquiry Results table below.

NOTE: Be sure to verify the applicable campaign number as the vehicle may have multiple labels.



eMDCS System - Vehicle Status Inquiry Results

If eMDCS displays:	Campaign Label is:	Action to perform:
RECALL 7113L	Present	Contact the Warranty Hotline at (877) 727-6626, option 3, to update vehicle history.
	Not present	Proceed to “REPAIR PROCEDURE”.
RECALL 7113L CLOSED	Present	Return vehicle to inventory or customer.
	Not present	Complete a label and apply to vehicle's hood or bulkhead.
RECALL 7113L is not displayed	Does not apply	Recall does not apply to this vehicle. Return vehicle to inventory or customer.

B. REPAIR PROCEDURE

1. Reboot the IDS to clear memory before reprogramming.
2. For IDS version 87, update software to 87.06 or later, then proceed to Step 4.
For IDS version 88, update software to 88.01 or later, then proceed to Step 4.
3. 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.**
4. 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.

ATTACHMENT II –REPAIR PROCEDURE
Safety Recall 7113L

CALIBRATION INFORMATION

Model Year	Spec	Drive	File Name	New PCM Calibration Part No.
2007	Calif.	2WD	SW-L33LEU000	L33L-18881-U
2007	Calif.	4WD	SW-L33MEU000	L33M-18881-U
2007	Fed. / Canada	2WD	SW-L33NEU000	L33N-18881-U
2007	Fed. / Canada	4WD	SW-L33PEU000	L33P-18881-U

NOTE: (*) If the PCM of any 2007 CX-7 was previously replaced, refer to the replacement PCM file name and Part No. below.

Model Year	Spec	Drive	File Name	New PCM Calibration Part No.
2007*	Calif.	2WD	SW-LKYXEC000	LKYX-18881-C
2007*	Calif.	4WD	SW-LKYZEC000	LKYZ-18881-C
2007*	Fed. / Canada	2WD	SW-LKZ1EC000	LKZ1-18881-C
2007*	Fed. / Canada	4WD	SW-LKZ2EC000	LKZ2-18881-C

Model Year	Spec	Drive	File Name	New PCM Calibration Part No.
2008	Calif.	2WD	SW-L39LEE000	L39L-18881-E
2008	Calif.	4WD	SW-L39MEE000	L39M-18881-E
2008	Fed. / Canada	2WD	SW-L39NEE000	L39N-18881-E
2008	Fed. / Canada	4WD	SW-L39PEE000	L39P-18881-E

Model Year	Spec	Drive	File Name	New PCM Calibration Part No.
2009	Calif	2WD	SW-L3BHEB000	L3BH-18881-B
2009	Calif	4WD	SW-L3BJEC000	L3BJ-18881-C
2009	Fed. / Canada	2WD	SW-L3BKEC000	L3BK-18881-C
2009	Fed. / Canada	4WD	SW-L3BLEB000	L3BL-18881-B

ATTACHMENT II –REPAIR PROCEDURE
Safety Recall 7113L

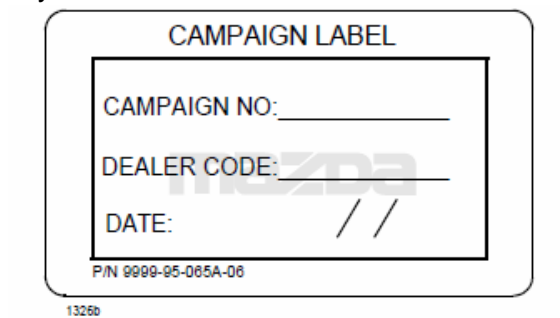
Model Year	Spec	Drive	File Name	New PCM Calibration Part No.
2010	Calif.	2WD	L3BT-188K2-F	L3BT-18881-F
2010	Calif.	4WD	L3BV-188K2-F	L3BV-18881-F
2010	Fed. / Canada	2WD	L3BW-188K2-F	L3BW-18881-F
2010	Fed. / Canada	4WD	L3BX-188K2-F	L3BX-18881-F

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

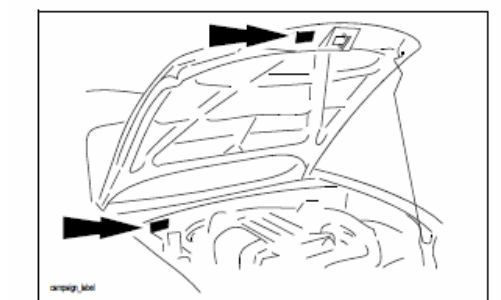
NOTE: The New PCM Calibration Part Numbers listed above are provided for PCM reprogramming purposes only. These are not necessarily the same Mazda part numbers used to order an actual PCM through the Mazda Parts System. It is not necessary to order a PCM as part of this repair procedure.

C. CAMPAIGN LABEL INSTALLATION

1. Fill out a blue "Campaign Label" (9999-95-065A-06) with the Campaign No: "7113L", your dealer code, today's date.



2. Affix it to the vehicle's hood or bulkhead as shown.



3. Return the vehicle to the customer.



IMPORTANT EMISSION RECALL

2007-2012 CX-7 L3T (Turbo) Engine Nonconformity to Evaporative Emission Standard - Emission Recall 7113L

February 2014

VIN XXXXXXXXXXXXX

Dear Mazda Owner:

Mazda Motor Corporation has decided to conduct an Emission Recall Campaign to reprogram the Powertrain Control Module (PCM) on certain 2007-2012 CX-7 vehicles equipped with L3T (Turbo) engine and produced from February 14, 2006 through April 26, 2012.

If you are a recipient of this notice, your vehicle is included in this recall.

What is the problem?

On certain 2007-2012 CX-7 vehicles, incorrect PCM software parameters could cause the vehicle to exceed required evaporative emission standards. Reprogramming the PCM with updated software will correct the condition. Your vehicle may fail a state or local emission inspection if this recall is not completed.

What will Mazda do?

Your Mazda dealer will reprogram the PCM to include the latest calibration. This repair will be performed **free of charge**, and will take approximately half an hour to complete; however, it may take longer depending on service workload at your Mazda dealership.

As a reminder, Mazda may provide alternate transportation when your vehicle is at an authorized Mazda dealership for a warranty repair. To be eligible for alternate transportation, your vehicle must be within the mileage and time limitations under the Mazda New Vehicle Limited Warranty or Powertrain Limited Warranty for 2007 and newer model years, and adhere to the Rental Car Reimbursement policy. Ask your dealer for details about the Mazda Rental Car Reimbursement Program.

What should you do?

We encourage you to make an appointment with any authorized Mazda dealer to have the PCM reprogrammed at your earliest convenience. You do not need to bring this notice to the dealer, but it may assist in the check-in process.

Emission Law Information:

To ensure your full protection under the emission warranty made applicable to your vehicle by State or Federal Law, and your right to participate in future recalls, it is recommended you have your vehicle or engine serviced as soon as possible. Failure to do so could be determined as lack of proper maintenance of your vehicle. Also, your vehicle may fail a state or local emission inspection if this recall is not completed.

Important notice to owners registering vehicles in California and Massachusetts: California Department of Motor Vehicles and the Commonwealth of Massachusetts, in conjunction with the California Air Resources Board and the Environmental Protection Agency for the State of Massachusetts, have implemented the Registration Renewal/Recall Tie-In Program, which requires the completion of Emission Recalls prior to registration renewal. Mazda dealers will provide a Vehicle Emission Recall - Proof of Correction Certificate upon completion of the recall. Be sure to keep the proof of correction certificate provided by the Mazda Dealer until needed for the registration renewal process.

Where is the closest Mazda dealer?

To locate your nearest Mazda dealer, visit our web site and use our "Locate a Dealer" feature at www.MazdaUSA.com or consult your local yellow pages.

Moved or no longer own this vehicle?

If you have moved or no longer own your Mazda vehicle, please complete the enclosed prepaid *Information Change Card* as soon as possible. This enables us to update our records and notify the current owner.

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Still have questions?

If you have any questions regarding this campaign, please contact our Customer Experience Center at (800) 222-5500, option #6.

We actively work to improve our products and search for solutions to improve your ownership experience. Please accept our apologies for any inconvenience this recall may have caused you.

Sincerely,

Mazda North American Operations