



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

DATE: May 2014

SUBJECT: 2014-2015 Mazda6 and 2014 Mazda3 equipped with 2.5L Engine and i-ELOOP – Charging System Issue Safety and Emission Recall 7314D

Mazda Motor Corporation has decided that a defect which relates to motor vehicle safety exists in certain 2014-2015 Mazda6 vehicles equipped with 2.5L engine and i-ELOOP and produced from May 20, 2013 through December 4, 2013, and 2014 Mazda3 vehicles equipped with 2.5L engine and i-ELOOP and produced from June 12, 2013 through December 18, 2013.

On certain Mazda6 and Mazda3 vehicles equipped with the regenerative engine braking system (i-ELOOP), the Power Control Module (PCM) may incorrectly determine that there is a failure of the system energy storage capacitor when the vehicle is operating under heavy rain or through deep puddles. In these conditions, the generator belt may get wet and slip, which can be incorrectly identified by the PCM as a failure of the energy storage capacitor, even though the capacitor is operating normally. If the system believes the energy storage capacitor has failed, it will prohibit the charging system from operating and will illuminate the “Charging system warning light” (and the message display will indicate “Charging system malfunction”). If the vehicle continues to operate under this condition, the battery will slowly be drained, eventually resulting in illumination of the Malfunction Indicator Light (MIL) and poor acceleration. If operation continues further, it will likely result in loss of steering assist, windshield wiper operation and the engine will finally stop operating due to the lack of electrical energy for the spark plugs and PCM.

Owners of affected vehicles will be notified by first class mail on May 19, 2014.

This package contains important information about Safety and Emission Recall 7314D:

Attachment I	Dealer Service information
Attachment II	Repair procedure
Attachment III	Owner letter and reimbursement form

Important Emission 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. Instruct customers to keep the certificate until needed for registration renewal.



Important Safety Notice: The National Traffic and Motor Vehicle Safety Act prohibits the delivery of any subject vehicle without performing the necessary repair for defects or failures. 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:

The attached service information (Attachment I) and repair procedure (Attachment II) were e-mailed to your Service Department, and are also available on eMDCS and the MS3 (Mazda Service Support System) websites via MXConnect.

1. 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.
2. For warranty questions, contact the Warranty Hotline at (877) 727-6626, Option 3.
3. The Recall Reminder Report and Recall Reminder Labels for this recall are not yet available. After the owner notification letters are mailed, these features will become available for dealers to encourage customers to bring their vehicles for this repair.

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

ATTACHMENT I - DEALER SERVICE INFORMATION
Safety & Emission Recall 7314D

CONDITION OF CONCERN

On certain Mazda6 and Mazda3 vehicles equipped with the regenerative engine braking system (i-ELOOP), the Power Control Module (PCM) may incorrectly determine that there is a failure of the system energy storage capacitor when the vehicle is operating under heavy rain or through deep puddles. Under such operation the generator belt may get wet and slip, which can be incorrectly identified by the PCM as a failure of the energy storage capacitor, even though the capacitor is operating normally. If the system believes the energy storage capacitor has failed, it will prohibit the charging system from operating and will illuminate the 'Charging system warning light' (and the message display will indicate 'Charging system malfunction'). If the vehicle continues to operate under this condition, the battery will slowly be drained, eventually resulting in illumination of the Malfunction Indicator Light (MIL) and poor acceleration. If operation continues further, it will likely result in loss of steering assist, windshield wiper operation and the engine will finally stop operating due to the lack of electrical energy for the spark plugs and PCM.

Note: DTC P1794:00 and P2502:00 will be stored in the PCM memory.

- P1794:00: Capacitor (i-ELOOP) system: Capacitor (i-ELOOP) malfunction
- P2502:00: Generator system: Malfunction in voltage generated by generator

SUBJECT VEHICLES

Model	VIN Range	Build Date Range
2014-2015 Mazda6 with 2.5L engine & i-ELOOP	JM1 GJ1W6* E1 124523 – 162747 JM1 GJ1W6* F1 162851 – 163097	May 20, 2013 through December 4, 2013
2014 Mazda3 with 2.5L engine & i-ELOOP	JM1 BM1*3* E1 100061 – 162802	June 12, 2013 through December 18, 2013

Note: The asterisk symbol * can be any letter or number.

OWNER NOTIFICATION

Mazda will notify U.S. owners by first class mail on May 19, 2014.

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)



* 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) upon completion of the recall.

ATTACHMENT I - DEALER SERVICE INFORMATION
Safety & Emission Recall 7314D

WARRANTY CLAIM PROCESSING INFORMATION

	PCM Reprogramming
Warranty Type	R
Process Number	AE007A
Symptom Code	99
Damage Code	99
Part Number Main Cause	7777-SP-J44
Quantity	0
Labor Operation Number	XXK70AFX
Labor Hours	0.3 hrs.

VERIFY THE VEHICLE NEEDS THE RECALL

1. Verify the vehicle is within the following ranges:

Model	VIN Range	Build Date Range
2014-2015 Mazda6 with 2.5L engine & i-ELOOP	JM1 GJ1W6* E1 124523 – 162747 JM1 GJ1W6* F1 162851 – 163097	May 20, 2013 through December 4, 2013
2014 Mazda3 with 2.5L engine & i-ELOOP	JM1 BM1*3* E1 100061 – 162802	June 12, 2013 through December 18, 2013

The asterisk symbol "*" can be any letter or number.

- If the vehicle is within the above ranges, go to step 2.
 - If the vehicle is not within the above ranges, return it to inventory or the customer.
2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect vehicle for an Authorized Campaign Label RECALL 7314D attached to the vehicle's hood or bulkhead.

eMDCS System – Warranty Vehicle Inquiry Results

If eMDCS displays:	Campaign Label is:	Action to perform:
RECALL 7314D	Present	Contact the Warranty Hotline at (877) 727-6626, option 3, to update vehicle history
	Not present	Proceed to "REPAIR PROCEDURE".
RECALL 7314D CLOSED	Present	Return vehicle to inventory or customer.
	Not present	Complete a label and apply to vehicle's hood or bulkhead.
RECALL 7314D is not displayed	Does not apply	Recall does not apply to this vehicle. Return vehicle to inventory or customer.

Note: Verify the recall number, as the vehicle may have multiple labels.

REPAIR PROCEDURE

Please refer to Attachment II.

**2014 MAZDA3 2.5L AND 2014-2015 MAZDA6 2.5L WITH i-ELOOP
CHARGING SYSTEM ISSUE SAFETY AND EMISSION RECALL**

A. VEHICLE INSPECTION PROCEDURE

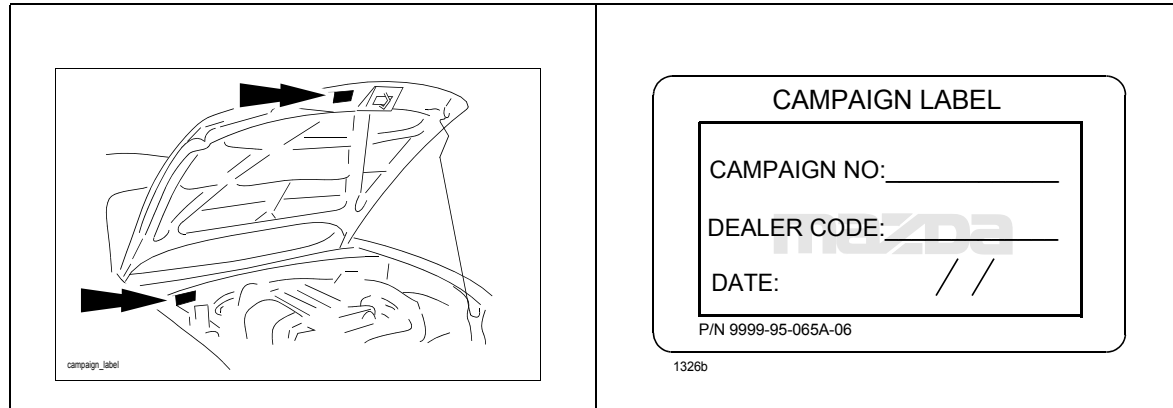
1. Verify that the vehicle is within one of the following VIN ranges:

Model	VIN Range	Production Date Range
2014 Mazda3 with 2.5L engine & i-ELOOP	JM1 BM1*3* E1 100061 - 162802	From June 12, 2013 through December 18, 2013
2014-2015 Mazda6 with 2.5L engine & i-ELOOP	JM1 GJ1W6* E1 124523 - 162747 JM1 GJ1W6* F1 162851 - 163097	From May 20, 2013 through December 4, 2013

The asterisk symbol "*" can be any letter or number.

- If the vehicle is within one of the above VIN ranges, proceed to step 2.
 - If the vehicle is not within one of the above VIN ranges, return the vehicle to the customer or inventory.
2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect vehicle for a Campaign Label **7314D** attached to the vehicle's hood or bulkhead. Refer to eMDCS System - Warranty Vehicle Inquiry Results table below.

NOTE: Verify Recall number as the vehicle may have multiple Recalls.



eMDCS System - Warranty Vehicle Inquiry Results

If eMDCS displays:	Campaign Label is:	Action to perform:
7314D OPEN	Present	Contact the Warranty Hotline at (877) 727-6626 to update vehicle history.
	Not present	Proceed to "B. REPAIR PROCEDURE".
7314D CLOSED	Present	Return vehicle to inventory or customer.
	Not present	Proceed to "C. CAMPAIGN LABEL INSTALLATION".
7314D 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.
- Using IDS 90.01 or later software, reprogram the PCM to the latest calibration 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.**
3. 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).
- After the reprogramming, be sure to keep the copy of "Log Viewer" screen on M-MDS along with the repair order and warranty application sheet, until the vehicle's warranty period expires.

CALIBRATION INFORMATION

Engine	Transmission	Model	Spec.	File Name	Note
SKYACTIV-G 2.5L (PY)	A/T	Mazda3	Calif	PY2P-188K2-C	Mitsubishi
				PY2S-188K2-C	Denso
			Fed	PY2R-188K2-C	Mitsubishi
				PY2T-188K2-C	Denso
		Mazda6	Calif	PY1G-188K2-F	Mitsubishi
				PY1T-188K2-F	Denso
			Fed	PY2E-188K2-F	Mitsubishi
				PY2G-188K2-F	Denso

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

C. CAMPAIGN LABEL INSTALLATION

1. Fill out a blue "Campaign Label" (9999-95-065A-06) with Campaign No: "7314D", your dealer code, today's date.

CAMPAIGN LABEL

CAMPAIGN NO: _____

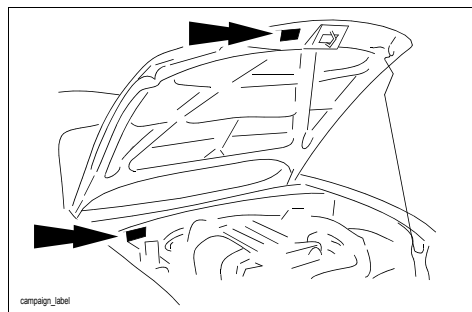
DEALER CODE: _____

DATE: // /

P/N 9999-95-065A-06

1326b

2. Affix it to the hood or bulkhead as shown:



3. Return the vehicle to the customer.



IMPORTANT SAFETY AND EMISSION RECALL

**2014-2015 Mazda6 and 2014 Mazda3 equipped with SKYACTIV Engine and i-ELOOP
Charging System Issue - Safety and Emission Recall 7314D
NHTSA Campaign No. 14V-173**

May 2014

VIN _____

Dear Mazda Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Mazda Motor Corporation has decided that a defect which relates to motor vehicle safety exists in certain 2014-2015 model year Mazda6 vehicles equipped with SKYACTIV engine and i-ELOOP and produced from May 20, 2013 through December 4, 2013, and 2014 Mazda3 vehicles equipped with SKYACTIV and i-ELOOP and produced from June 12, 2013 through December 18, 2013.

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

What is the problem?

On certain Mazda6 and Mazda3 vehicles equipped with the regenerative engine braking system (i-ELOOP), the Power Control Module (PCM) may incorrectly determine that there is a failure of the system energy storage capacitor when the vehicle is operating under heavy rain or through deep puddles. The charging system may stop operating and illuminate the "Charging system warning light" (and the message display will indicate "Charging system malfunction"). If the vehicle continues to operate under this condition, the battery will slowly be drained, eventually resulting in illumination of the Malfunction Indicator Light (MIL) and poor acceleration. This condition may result in loss of steering assist, windshield wiper operation and the engine will finally stop operating, increasing the risk of a crash.

What will Mazda do?

Your Mazda dealer will reprogram the PCM with modified software so that the condition of the capacitor can be correctly identified by the PCM. The inspection and repair will be performed **free of charge**, and may 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?

Mazda is concerned about your safety, and we encourage you to make an appointment with any authorized Mazda dealer to have the PCM reprogrammed as soon as possible. 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.

What if you already paid for capacitor and/or PCM repair?

If you have already paid for capacitor and/or PCM inspection, repair, or replacement due to conditions similar to this recall campaign, prior to receiving this notice, you may be eligible for reimbursement of reasonable repair expenses based on Mazda's repair standards.

Please complete the enclosed "Reimbursement Application Form", include the necessary documentation, and mail it to us in the pre-addressed envelope provided, allowing 6-8 weeks for processing.



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.

If Mazda or its dealers do not repair the defect free of charge and within a reasonable amount of time, you may notify the Administrator of the National Highway Traffic Safety Administration, 1200 New Jersey Ave., SE., Washington, DC 20590; or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

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



REIMBURSEMENT PLAN

Requirements for Reimbursement

If you meet **all** of the following requirements, you are eligible to receive reimbursement under this plan:

1. You own or have owned a 2014-2015 Mazda6 built between May 20, 2013 and December 4, 2013, or 2014 Mazda3 built between June 12, 2013 and December 18, 2013.
2. You have paid for capacitor and/or powertrain control module (PCM) inspection, repair or replacement due to conditions similar to this recall campaign, prior to launch of the campaign.
3. You have an original or legible copy of the paid repair order or invoice receipt showing:
 - Vehicle model and year, and vehicle identification number (VIN)
 - Your name and address at the time of repair
 - Description of the concern reported
 - Inspection, repair or replacement of the capacitor and/or PCM
4. Mail this reimbursement application form with the applicable payment receipts in the enclosed envelope to:

Mazda North American Operations
Attn: Recall Reimbursement Dept
P.O. Box 57085
Irvine, CA 92619-7085

Procedure for Reimbursement Request

If your vehicle has had the capacitor and/or PCM inspected, repaired or replaced due to conditions similar to this recall campaign prior to the launch of the campaign, you may apply for reimbursement by doing the following:

1. Complete the Reimbursement Application Form found on the reverse side of this page.
2. Mail the Reimbursement Application Form with a legible copy of the paid repair order and/or invoice using the enclosed envelope. Include any applicable payment receipts, i.e. credit card receipt, cancelled check, etc.
3. **Retain copies** of the paid repair order or invoice and this application form for your records.
4. You will be reimbursed for the amount you have paid for the inspection, repair or replacement of the capacitor and/or PCM due to conditions similar to this recall campaign.

If you wish to correspond with Mazda regarding this reimbursement plan, please write to the above address and refer to your vehicle identification number (VIN).

Any reimbursement application form that is incomplete, illegible, or sent without the legible copy of the paid repair order or invoice will be returned for completion. If Mazda has any questions concerning your application for reimbursement, you may be contacted. Please allow 6-8 weeks for processing.

