

**Mazda North American Operations**

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

**DATE:** September 2007

**SUBJECT: 2007 CX-7, 2007 MAZDASPEED3, 2006-2007 MAZDASPEED6  
MIL Illumination (DTC P2006) Voluntary Emission Recall Campaign 4807H**

**2007 CX-7, 2007 MAZDASPEED3, 2006-2007 MAZDASPEED6, 2006 Mazda6  
OBD-II Compliance Voluntary Emission Recall Campaign 4907H**

Dear Mazda Dealer:

Mazda Motor Corporation has decided to conduct two (2) Emission Recall Campaigns on certain Mazda vehicles to address a Malfunction Indicator Lamp illumination concern and a malfunction with the On Board Diagnostic adaptive feedback control system.

**Recall 4807H:** MIL Illumination (DTC P2006) Voluntary Emission - 2007 CX-7, 2007 MAZDASPEED3, 2006-2007 MAZDASPEED6

Due to variety of friction between the variable swirl shutter valve and position switch, the shutter valve actuator may not be able to fully depress the position switch. This is especially true during cold ambient temperatures and will cause the malfunction indicator light (MIL) to illuminate with the DTC P2006 (variable swirl shutter valve stuck closed) stored in memory. Presence of this concern will not affect the operation of the shutter valve actuator.

**Recall 4907H:** OBD-II Compliance Voluntary Emission - 2007 CX-7, 2007 MAZDASPEED3, 2006-2007 MAZDASPEED6, 2006 Mazda6

The monitor function used to detect Short Fuel Trim maximum threshold strategy is inoperative. Due to the lack of this monitor function, the OBD system is not capable of detecting the malfunction that causes the adaptive feedback control to be exceeded.

In addition, it is possible that the malfunction may not be detected by any other OBD monitor function, therefore the MIL may not illuminate. Consequently, the vehicle operator would not be advised about the malfunction.

Owners of affected CX-7, MAZDASPEED3 and MAZDASPEED6 vehicles will be notified for both recalls by first class mail beginning September 27, 2007.

Owners of affected Mazda6 vehicles will be notified of Recall 4907H by first class mail around the end of October. Exact notification date will be confirmed in a future communication.

This package contains important information about emission recall campaigns 4807H and 4907H:

Attachment I	Dealer Service and Parts information
Attachment IIA	Recall 4807H Repair procedures
Attachment IIB	Recall 4907H Repair procedures
Attachment III	Owner notification letters

**Important notice:** California Department of Motor Vehicles, Vermont 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 and Vermont, have implemented the Registration Renewal/Recall Tie-In Program, which requires the completion of Emission Recalls prior to registration renewal. Mazda dealers must provide a *Vehicle Emission Recall – Proof of Correction Certificates* upon completion of the recalls. Dealers must issue one certificate for each recall performed on the vehicle. If a dealer performs both 4807H and 4907H on the customer's vehicle, the dealer will have to give the customer two certificates; one for each recall.

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

To help you effectively perform these emission recalls, Mazda has developed the following resources:

1. Service and Parts recall instructions follow (Attachment I), were e-mailed to your Service Department, and are also available on eMDCS and the MS3 (Mazda Service Support System) website.
2. Inspection and repair procedures follow (Attachment II), were e-mailed to your Service Department, and are also available on eMDCS and the MS3 (Mazda Service Support System) website.
3. We recommend using the enclosed report of registered owners in the dealer's area to encourage customers to come in for the recall (with recall reminder postcards, for example). Dealers may use such owner information for the sole purpose of conducting and performing these emission recalls, and for no other purpose. **Using it for marketing activities is strictly prohibited and could subject your dealership to substantial fines and other penalties.** The information in this 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.

In California, privacy laws prevent the release of names and addresses on this report.

4. For technical assistance, call the Technical Assistance Hotline at (888) 832-8477.
5. For warranty questions, contact the Corporate Dealer Assistance Group at (877) 727-6626 (select option 2).

Page -3-

Please make certain that the appropriate personnel in your dealership are aware of these resources and are familiar with the details of these recalls before responding to customer inquiries. If you have any questions, please contact your region manager or DCSM.

As a reminder, owners may request information about their eligibility for a rental car under the Mazda Driver's Assurance Plan. Rental car reimbursements are available only vehicles 2001 or newer and within the mileage and time limitations under the Mazda New Vehicle Limited Warranty as stated in the Rental Car Reimbursement Program, Policy 12.0.

We apologize for any inconvenience these recalls may cause you and your customers. Your understanding and support in carrying out these campaigns are greatly appreciated.

Sincerely,

Susumu Niinai  
Director, Technical Services  
Mazda North American Operations

**CONDITION OF CONCERN**

**Recall 4807H:** MIL Illumination (DTC P2006) Voluntary Emission - 2007 CX-7, 2007 MAZDASPEED3, 2006-2007 MAZDASPEED6

Due to variety of friction between the variable swirl shutter valve and position switch, the shutter valve actuator may not be able to fully depress the position switch. This is especially true during cold ambient temperatures and will cause the malfunction indicator light (MIL) to illuminate with the DTC P2006 (variable swirl shutter valve stuck closed) stored in memory. Presence of this concern will not affect the operation of the shutter valve actuator.

**Recall 4907H:** OBD-II Compliance Voluntary Emission - 2007 CX-7, 2007 MAZDASPEED3, 2006-2007 MAZDASPEED6, 2006 Mazda6

The monitor function used to detect Short Fuel Trim maximum threshold strategy is inoperative. Due to the lack of this monitor function, the OBD system is not capable of detecting the malfunction that causes the adaptive feedback control to be exceeded.

In addition, it is possible that the malfunction may not be detected by any other OBD monitor function, therefore the MIL may not illuminate. Consequently, the vehicle operator would not be advised about the malfunction.

**SUBJECT VEHICLES**

**MIL Illumination (DTC P2006) / Recall 4807H**

<b>Model</b>	<b>VIN Range</b>	<b>Build Date Range</b>
2007 CX-7	JM3 ER29** 70 100057 – 163409	February 14, 2006 through February 24, 2007
2007 Mazdaspeed3	JM1 BK34** 71 603266 – 711634	June 28, 2006 through February 3, 2007
2006-2007 Mazdaspeed6	JM1 GG12L* 61 100056 – 108051 JM1 GG12L* 71 108052 – 109402	August 4, 2005 through February 24, 2007

**IMPORTANT NOTE: Some vehicles within these VIN ranges have already been repaired under a prior program. Be sure to check each VIN in eMDCS to see if Recall 4807H applies. If no, then proceed to Recall 4907H.**

**OBD-II Compliance / Recall 4907H**

<b>Model</b>	<b>VIN Range</b>	<b>Build Date Range</b>
2007 CX-7	JM3 ER29** 70 100057 – 169185	February 14, 2006 through April 28, 2007
2007 Mazdaspeed3	JM1 BK34** 71 603266 – 774164	June 28, 2006 through May 31, 2007
2006-2007 Mazdaspeed6	JM1 GG12L* 61 100056 – 108051 JM1 GG12L* 71 108052 – 110746	August 4, 2005 through June 30, 2007
2006 Mazda6*	1YV FP8*C* 65 M00028 – M71322 1YV HP8*C* 65 M00029– M71493	June 2, 2005 through June 27, 2006

\*Mazda 6 2.3L 4 Cylinder Manual Transmission vehicles  
 2.3L 4 Cylinder Automatic Transmissions with Federal Emissions specifications  
 Note: 2.3L 4 Cylinder Automatic Transmission with California Emissions Specifications are excluded for this recall.

## OWNER NOTIFICATION

Owners of affected CX-7, MAZDASPEED3 and MAZDASPEED6 vehicles will be notified for both recalls by first class mail beginning September 27, 2007.

Owners of affected Mazda6 vehicles will be notified of Recall 4907H by first class mail around the end of October. Exact notification date will be confirmed in a future communication.

## PARTS INFORMATION

Description	Part Number	Quantity	Note
Variable Swirl Shutter Valve Actuator	L3Y3-20-170	1	For Recall 4807H only
Vehicle Emission Recall – Proof of Correction Certificate*	9999-95-ERPC-99	1=25 certificates	MStore (no charge)
Campaign Label	9999-95-065A-05	1=50 labels	MStore (no charge)

\* *Important notice:* California Department of Motor Vehicles, Vermont 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 and Vermont, 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 with Vehicle Emission Recall - Proof of Correction Certificates upon completion of the recalls. Dealers must issue one certificate for each recall performed on the vehicle. If a dealer performs both 4807H and 4907H on the customer's vehicle, the dealer will have to give the customer two certificates; one for each recall.

## WARRANTY CLAIM PROCESSING INFORMATION

	Recall 4807H	
	Actuator Inspection Only	Actuator Inspection & Replacement
Warranty Type Code	R	R
Symptom Code	99	99
Damage Code	99	99
Process Number	A0737B	A0737A
Part Number Main Cause	7777-13-014	L3Y3-20-170
Quantity	0	1
Labor Operation Code	XXC3UXFX	XXC3TXFX
Labor Hours	0.2	0.5

	Recall 4907H	
	PCM Recalibration Apply this warranty when the eMDCS System displays both "Recall 4807H" and "Recall 4907H".	PCM Recalibration Apply this warranty when the eMDCS System displays only "Recall 4907H".
Warranty Type Code	R	R
Symptom Code	99	99
Damage Code	99	99
Process Number	A0737D	A0737C
Part Number Main Cause	7777-18-028	7777-18-028
Quantity	0	0
Labor Operation Code	XXC3VXFX	XXC3VXFX
Labor Hours	0.3	0.3

#### RENTAL CAR

A rental car may be provided to the customer if eligible based on the terms and conditions of the Rental Car Reimbursement Program, policy 12.0. Rental car reimbursements are available only on 2001 and newer vehicles within the mileage and time limitations under the New Vehicle Limited Warranty. If the customer was placed in a rental car while the campaign was being completed, submit a separate **claim/problem** using the standard rental claim information.

Warranty Type Code	A
Symptom Code	99
Damage Code	99
Part Number Main Cause	5555-RE-NTAL
Part Quantity	<b>0</b>
Labor Operation Code	MM012XRX
Labor Hours	0.0
Sublet – Rental Car	
Sublet Invoice Number	Number from Rental Invoice or Dealer Purchase Order
Sublet Type Code	Enter "L"
Sublet Amount	Up to \$30.00 per day for the number of days customer had rental car

Rental expenses exceeding the two-day limit will require prior DCSM Authorization, as outlined in the Rental Car Reimbursement Program policy.

## VERIFY THE VEHICLE NEEDS THE RECALL

1. Verify the vehicle is within the following ranges:

### Mil Illumination (DTC P2006) / 4807H

Model	VIN Range	Build Date Range
2007 CX-7	JM3 ER29** 70 100057 – 163409	February 14, 2006 through February 24, 2007
2007 Mazdaspeed3	JM1 BK34** 71 603266 – 711634	June 28, 2006 through February 3, 2007
2006-2007 Mazdaspeed6	JM1 GG12L* 61 100056 – 108051 JM1 GG12L* 71 108052 – 109402	August 4, 2005 through February 24, 2007

**IMPORTANT NOTE:** Some vehicles within these VIN ranges have already been repaired under a prior program. Be sure to check each VIN in eMDCS to see if Recall 4807H applies. If no, then proceed to Recall 4907H.

### OBD-II Compliance / 4907H

Model	VIN Range	Build Date Range
2007 CX-7	JM3 ER29** 70 100057 – 169185	February 14, 2006 through April 28, 2007
2007 Mazdaspeed3	JM1 BK34** 71 603266 – 774164	June 28, 2006 through May 31, 2007
2006-2007 Mazdaspeed6	JM1 GG12L* 61 100056 – 108051 JM1 GG12L* 71 108052 – 110746	August 4, 2005 through June 30, 2007
2006 Mazda6*	1YV FP8*C* 65 M00028 – M71322 1YV HP8*C* 65 M00029– M71493	June 2, 2005 through June 27, 2006

\*Mazda 6 2.3L 4 Cylinder Manual Transmission vehicles

2.3L 4 Cylinder Automatic Transmissions with Federal Emissions specifications

Note: 2.3L 4 Cylinder Automatic Transmission with California Emissions Specifications are excluded for this recall.

If the vehicle is within the above ranges, go to step 2.

If 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 Campaign Label RECALL 4807H and/or 4907H attached to the vehicle's hood or bulkhead.

**eMDCS System - Vehicle Status Inquiry Results**

If eMDCS displays:	Campaign Label is:	Action to perform:
RECALL 4807H OPEN	Present	Contact the Mazda Corporate Dealer Assistance Group at (877) 727-6626 to update vehicle history
	Not present	Proceed to "Recall 4807H REPAIR PROCEDURE"
RECALL 4807H CLOSED	Present	Return vehicle to inventory or customer
	Not present	Complete a label and apply to vehicle's hood or bulkhead
RECALL 4807H is not displayed	Does not apply	Recall does not apply to this vehicle. Return vehicle to inventory or customer
RECALL 4907H OPEN	Present	Contact the Mazda Corporate Dealer Assistance Group at (877) 727-6626 to update vehicle history
	Not present	Proceed to "Recall 4907H REPAIR PROCEDURE"
RECALL 4907H CLOSED	Present	Return vehicle to inventory or customer
	Not present	Complete a label and apply to vehicle's hood or bulkhead
RECALL 4907H 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 PROCEDURES:** Please refer to Attachment IIA and IIB.