



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

DATE: January 2012

**SUBJECT: Warranty Extension Program - Special Service Program (SSP) 87
2007-2010 CX-7, 2007-2010 Mazdaspeed3, 2006-2007 Mazdaspeed6 – L3T engine
Variable Valve Timing Noise and Timing Chain Noise**

Mazda Motor Corporation is extending the warranty coverage for the specific repair of variable valve timing (VVT) noise or timing chain noise concern, on certain 2007-2010 CX-7 vehicles equipped with L3T engine and produced from February 14, 2006 through February 26, 2010, and 2007-2010 Mazdaspeed3 vehicles equipped with L3T engine and produced from June 28, 2006 through February 27, 2010, and 2006-2007 Mazdaspeed6 vehicles equipped with L3T engine and produced from August 4, 2005 through June 30, 2007.

The warranty coverage for this specific repair is extended to 7 years (84 months) from the original warranty start date or 70,000 miles, whichever comes first.

On certain vehicles, a loud ticking noise may be exhibited from the VVT when the engine is first started at cold condition, due to wear on the lock pin hole in the VVT rotor or breakage of the VVT case. At normal engine operating temperatures, some vehicles may exhibit a knocking/rattle type noise from the front timing cover and/or valve (cylinder head) cover at engine speeds below 2,000 rpm, due to excessive stretching of the timing chain.

This is a warranty extension for the specified part only. Inspection and replacement of non-failed parts will not be eligible for reimbursement to the dealer or customer. This program extends the warranty period for actual failures due to defects in workmanship or materials in accordance with Mazda Warranty Policy and Procedures.

Owners of subject vehicles will be notified by first class mail beginning January 13, 2012.

This package contains important information about SSP87:

Attachment I	Parts and Service Information
Attachment II	Owner Notification Letter



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For technical assistance, call the Technical Assistance Hotline at (888) 832-8477, Option 3 for English speaking Hotline Specialist, option 4 for Spanish speaking Hotline Specialist.

For parts questions, contact the Corporate Dealer Assistance Group at (877) 727-6626, option 2.

For warranty questions, contact the Warranty Hotline at (877) 727-6626, option 3.

Please make certain that the appropriate personnel in your dealership are aware of these resources and are familiar with the details of this program before responding to customer inquiries. Your understanding and support in carrying out this program is greatly appreciated.

Sincerely,

Kiyoshi Yagi
Director, Technical Services
Mazda North American Operations

WARRANTY EXTENSION

For certain 2007-2010 CX-7 vehicles with L3T Engine, 2007-2010 Mazdaspeed3 vehicles with L3T engine, and 2006-2007 Mazdaspeed6 vehicles with L3T engine, the warranty coverage for the specific repair is extended to 7 years (84 months) from the original warranty start date or 70,000 miles, whichever comes first.

CONDITION OF CONCERN

On certain vehicles, a loud ticking noise may be exhibited from the VVT when the engine is first started at cold condition, due to a wear on the lock pin hole in the VVT rotor or breakage of the VVT case. At normal engine operating temperatures, some vehicles may exhibit a knocking/rattle type noise from the front timing cover and/or valve (cylinder head) cover at engine speeds below 2,000 rpm, due to excessive stretching of the timing chain.

Note: The warranty extension does not apply if the condition is determined to be due to poor maintenance (insufficient oil changes or using engine oil of viscosity lower than 5W-30).

SUBJECT VEHICLES

Model	VIN range	Production Date Range
2007-2010 MY CX-7 with L3T engine	JM3 ER29** 70 100057 – 169185 JM3 ER29** 80 169186 – 215755 JM3 ER29** 90 215756 – 238633 JM3 ER*W** A0 300038 – 327443	From February 14, 2006 through February 26, 2010
2007-2010 MY Mazdaspeed3 with L3T engine	JM1 BK34** 71 603266 – 774164 JM1 BK34** 81 774441 – 880461 JM1 BK34** 81 100062 – 187235 JM1 BK34** 91 187392 – 251166	From June 28, 2006 through November 1, 2008
	JM1 BL1H** A1 155391 – 295246	From May 12, 2009 through February 27, 2010
2006-2007 MY Mazdaspeed6 with L3T engine	JM1 GG12L* 61 100056 – 108051 JM1 GG12L* 71 108052 – 110746	From August 4, 2005 through June 30, 2007

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

OWNER NOTIFICATION

Mazda will notify U.S. owners by first class mail beginning January 13, 2012. Owners will be advised they do not need to bring their vehicle to a dealer if it is functioning normally.

PARTS INFORMATION

For replacement of VVT Actuator only:

Description	Part Number	Quantity
Variable Valve Timing Actuator	L3K9-12-4X0C	1
Seal Cover	L3K9-10-230	1
Sealing Head Cover Washer	LFBL-10-237	14
Washer	L3K9-12-429	2
Engine Oil (5W-30)	0000-77-5W30-QT	6 (Quarts)
Blind Plug	9XG0-99-667L	1

For replacement of VVT Actuator and Timing Chain:

Description	Part Number	Quantity	Notes
Timing Chain	L3K9-12-201A	1	
Seal Cover	L3K9-10-230	1	
Sealing Head Cover Washer	LFBL-10-237	14	
Crankshaft Pulley Lock Bolt	LF01-11-406	1	
Oil Seal	L3G6-10-602	1	
Lock Washer	L3K9-11-407	3	
RTV Sealer	0000-77-1217-ES	1	1 tube = 1 repair
Variable Valve Timing Actuator	L3K9-12-4X0C	1	
Washer	L3K9-12-429	2	
Engine Oil (5W-30)	0000-77-5W30-QT	6 (Quarts)	
Blind Plug	9XG0-99-667L	1	

SST

Description	Part Number	Notes
Tensioner Release Tool Set	49G0-10-4A0	To be used for releasing the timing chain tensioner without removing front engine cover

WARRANTY CLAIM PROCESSING INFORMATION

This Warranty Information applies only to affected CX-7, Mazdaspeed3 and Mazdaspeed6 vehicles exhibiting abnormal noise from the engine room due to wear on the lock pin hole in the VVT rotor, VVT case breakage, or timing chain stretching.

Vehicles within Mazda New Vehicle Limited Warranty, Powertrain Limited Warranty or Emission Warranty:

IMPORTANT: Do not enter a Process Number if within the warranty period.

	Replacement of VVT Actuator
Symptom Code	82
Damage Code	9C
Part Number Main Cause / Quantity	L3K9-12-4X0C / 1 pc
Related Part Number / Quantity	Please refer to the Parts Information for the related part number and quantity.
Labor Operation / Labor Hours	XXG5JXRX / 2.9 Hrs. (2007-2010 CX-7) XXG5KXRX / 3.0 Hrs. (2007-2010 Mazdaspeed3) XXG5LXRX / 3.2 Hrs. (2006-2007 Mazdaspeed6)

	Replacement of VVT Actuator and Timing Chain
Symptom Code	82
Damage Code	9C
Part Number Main Cause / Quantity	L3K9-12-201A / 1 pc
Related Part Number / Quantity	Please refer to the Parts Information for the related part number and quantity.
Labor Operation / Labor Hours	XXG5MXRX / 4.4 Hrs. (2007-2010 CX-7) XXG5NXRX / 4.3 Hrs. (2007-2009 Mazdaspeed3) XXG5PXRX / 4.5 Hrs. (2010 Mazdaspeed3) XXG5RXRX / 4.5 Hrs. (2006-2007Mazdaspeed6)

Vehicles outside Mazda New Vehicle Limited Warranty, Powertrain Limited Warranty or Emission Warranty:

	Replacement of VVT Actuator
Process Number	AB042A
Symptom Code	82
Damage Code	9C
Part Number Main Cause / Quantity	L3K9-12-4X0C / 1 pc
Related Part Number / Quantity	Please refer to the Parts Information for the related part number and quantity
Labor Operation / Labor Hours	XXG5JXRX / 2.9 hrs. (2007-2010 CX-7) XXG5KXRX / 3.0 hrs. (2007-2010 Mazdaspeed3) XXG5LXRX / 3.2 hrs. (2006-2007 Mazdaspeed6)

	Replacement of VVT Actuator and Timing Chain
Process Number	AB043A
Symptom Code	82
Damage Code	9C
Part Number Main Cause / Quantity	L3K9-12-201A / 1 pc
Related Part Number / Quantity	Please refer to the Parts Information for the related part number and quantity
Labor Operation / Labor Hours	XXG5MXRX / 4.4 hrs. (2007-10 CX-7) XXG5NXRX / 4.3 hrs. (2007-2009 Mazdaspeed3) XXG5PXRX / 4.5 hrs. (2010 Mazdaspeed3) XXG5RXRX / 4.5 hrs. (2006-2007 Mazdaspeed6)

VERIFY THE VEHICLE IS APPLICABLE TO SSP87

1. Verify the vehicle is within the following ranges:

Model	VIN range	Production Date Range
2007-2010 MY CX-7 with L3T engine	JM3 ER29** 70 100057 – 169185 JM3 ER29** 80 169186 – 215755 JM3 ER29** 90 215756 – 238633 JM3 ER*W** A0 300038 – 327443	From February 14, 2006 through February 26, 2010
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	JM1 BL1H** A1 155391 – 295246	From May 12, 2009 through February 27, 2010
2006-2007 MY Mazdaspeed6 with L3T engine	JM1 GG12L* 61 100056 – 108051 JM1 GG12L* 71 108052 – 110746	From August 4, 2005 through June 30, 2007

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

If the vehicle is not within the above ranges, it is not applicable to the SSP87.

2. Perform a Warranty Vehicle Inquiry using your eMDCS System.

eMDCS System - Vehicle Status Inquiry Results

If eMDCS displays:	Action to perform:
SSP87 OPEN	Proceed to “REPAIR PROCEDURE” only if abnormal noise from VVT and/or timing chain is related to this SSP87.
SSP87 EXPIRED	Vehicle outside warranty time limitation
SSP87 is not displayed	SSP87 does not apply to this vehicle.

Note: Because this is a warranty extension program, application of a campaign label is not necessary, even when replacing the VVT actuator and/or timing chain.

REPAIR PROCEDURE

Please refer to Technical Service Bulletin **01-018/11**.