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Subject: VARIABLE VALVE TIMING (VVT) NOISE WHEN STARTING ENGINE	Bulletin No: 01-002/08
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BULLETIN NOTE

This bulletin supersedes the previous bulletin 01-043/07 issued on 11/29/07. The REPAIR PROCEDURE and PART(S) INFORMATION have been revised.

APPLICABLE MODEL(S)/VINS

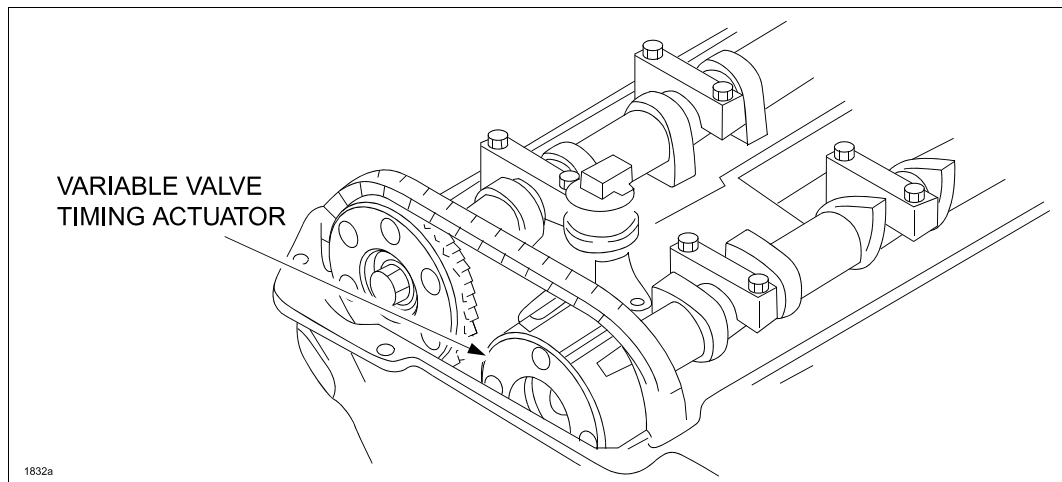
2007 Mazdaspeed3 vehicles with VINs lower than JM1BK*****742222 (produced before April 1, 2007)

2006-2007 Mazdaspeed6 vehicles with VINs lower than JM1 GG*****109660 (produced before April 1, 2007)

2007 Mazda CX-7 vehicles with VINs lower than JM3ER*****166945 (produced before April 1, 2007)

DESCRIPTION

When the engine is first started, some vehicles may exhibit a loud ticking noise from the variable valve timing (VVT). This is caused by the lock pin of the variable valve timing actuator not fully engaging. Heat treatment has now been added around the hole of the variable valve timing rotor lock pin to prevent this from happening.



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

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.

REPAIR PROCEDURE

1. Verify customer concern.
2. After the engine cools down, replace the variable valve timing actuator. Refer to VARIABLE VALVE TIMING ACTUATOR REMOVAL INSTALLATION [L3 WITH TC] on MS3 or in the Workshop Manual section 01-10. Also, you may refer to the Training job aid "Engine Timing Verification and Correction LF 2.0L and L3/L3T 2.3L" on MS3.
3. Change the engine oil (5W-30) only, then start and let the engine idle for 5 minutes. This is to remove contaminants from the engine.
4. After the engine cools down, change the engine oil (5W-30) and filter.
5. Verify repair.

PART(S) INFORMATION

Part Number	Description	Qty.
L3K9-12-4X0B	Variable Valve Timing Actuator	1
L3K9-12-429	Washer	1
0000-77-5W30-QT	Engine Oil (5W-30)	12 (Quarts)
L321-14-302-9U	Oil Filter	1

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair. Refer to the Warranty Wizard for warranty term information.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	82
Damage Code	9C
Part Number Main Cause	L3K9-12-4X0B
Quantity	1
Operation Number / Labor Hours:	XXC0YXRX / 3.2 Hrs. (CX-7), 3.3 Hrs. (Mazdaspeed3), 3.6 Hrs. (Mazdaspeed6)

NOTE: This repair calls for the oil to be changed two times. Please claim part number 5555-EG-003R with quantity 12 for the oil as a related part number.