# **Tony Lawrence**

From: Sent: Subject: Tony Lawrence Friday, November 16, 2012 3:09 PM MAZDA DEALER NOTICE - SERVICE BULLETIN RELEASE

# SERVICE BULLETIN RELEASE - 11/16/2012

2012 INDEX: http://www.mstore2000.com/PDF Files/index11-16-12.pdf

The following Service Bulletin has just been issued.

- For latest MS3 postings, click here: https://portal.mazdausa.com/m173/service/esi/MazdaServiceShop

- For printable PDF files from MStore, click on the link below each TSB title:

\* If the links do not automatically take you directly to the document, cut and paste the link into your internet browser address window and press enter.

#### NEW BULLETINS

01-025/12 - 2009-2012 MAZDA6 - EXHAUST LEAK NOISE FROM REAR OF VEHICLE

http://www.mstore2000.com/PDF Files/01-025-12-2699.pdf

09-043/12 - 2011-2013 MAZDA2 AND 2004-2009 MAZDA3 (WITH MANUAL SEAT LIFTER) - DRIVER SEAT RATTLE NOISE WHEN STOPPING OR STARTING THE VEHICLE

http://www.mstore2000.com/PDF Files/09-043-12-2676a.pdf

Please distribute this information to all parts and service personnel.

# **Service Bulletin**

Mazda North American Operations Irvine, CA 92618-2922



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#### Subject:

EXHAUST LEAK NOISE FROM REAR OF VEHICLE

Bulletin No: 01-025/12

Last Issued: 11/16/2012

### APPLICABLE MODELS/VINS

2009-2012 Mazda6 vehicles produced before June 7, 2012

## DESCRIPTION

Some vehicles may exhibit an exhaust leaking noise from the rear of the vehicle. The noise may be caused by a gap between the exhaust hanger bracket and flange, which allows moisture to enter and cause the exhaust studs to rust and possibly break off.

The welding location of the exhaust hanger bracket and flange has been changed to ensure the hanger bracket and flange are flush with no gaps to allow moisture intrusion.

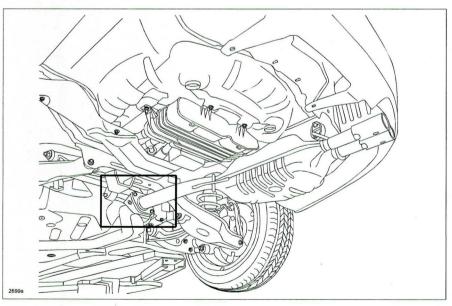
Customers having this concern should have their vehicle repaired using the following repair procedure.

# **REPAIR PROCEDURE**

Replace any broken or missing exhaust studs between the main silencer and pre-silencer.

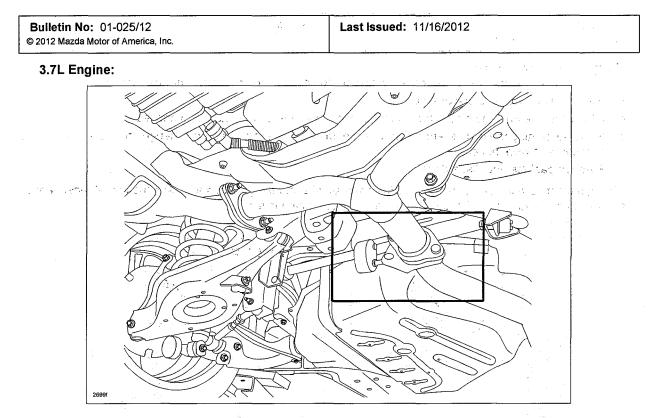
- 1. Verify customer concern.
- 2. Safely raise vehicle on hoist.
- 3. Locate the exhaust joint between the main silencer and pre-silencer as shown below.

#### 2.5L Engine:

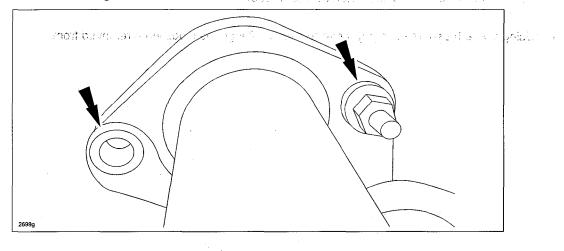


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**CONSUMER NOTICE**: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions 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.

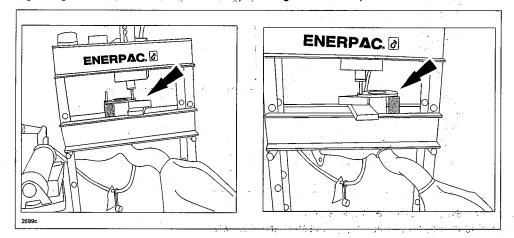


- 4. Inspect for broken or missing exhaust studs:
  - If either stud is broken or missing, proceed to the next step.
  - If neither stud is broken or missing, refer to the instructions on MS3 online or the Workshop Manual for further troubleshooting information.



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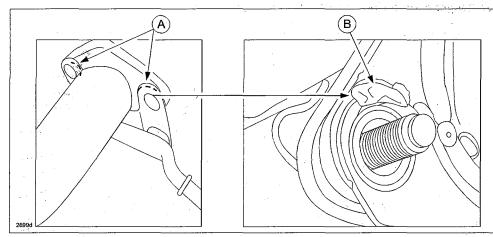
- 5. Remove the main silencer:
  - a. Spray rubber hanger that supports main silencer to ease the removal from the body hanger.
  - b. Remove stud nuts and discard them.
  - c. 3.7L Only: Remove nuts from the crossover pipe, then discard the nuts and gaskets.
  - d. While supporting the main silencer, remove the rubber hanger from the body hanger, then place the main silencer on a work bench.
  - e. Remove gaskets and discard them.
- 6. Press out both broken and unbroken studs from main silencer flange that mates with the pre-silencer flange: a. 3.7L engine right main silencer shown below (2.5L engine is similar).



- NOTE: Take care not to bend or damage the flange while pressing out the study. Make sure both sides of the flange are supported as shown above.
- b. Using a wire brush, remove any loose rust on the flange the studs were removed from.

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- 7. Locate the hanger bracket that supports the rear of the pre-silencer.
  - a. Remove the rubber hanger from the rear hanger and support the pre-silencer with the tall jack stand.
  - b. With an angle grinder, remove the welds (A) that attach the hanger bracket to the flange (in order to separate the bracket from the flange).
  - c. Remove any weld or weld splatter from the nut tightening surface of the hanger bracket (B). Also, remove the remaining weld from the flange that was attached to the bracket and make it a smooth surface.
  - d. Remove any loose rust from flange surface behind the hanger bracket and the hanger bracket itself.



- 8. Prep rubber hangers and install separated pre-silencer hanger bracket:
  - a. Spray liquid lubricant on rubber hanger for the main silencer where it connects to the body and the rubber hanger that is used for the rear pre-silencer hanger bracket.
  - b. Install the separated hanger bracket to the rear pre-silencer rubber hanger. A second constant of the second

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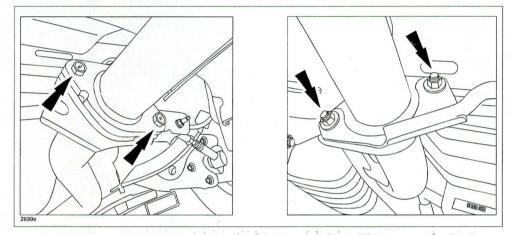
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- CONTRACTOR OF THE ACTIVATION OF STREET, AND STREET,
- "然后这些"这些"了这些"这些"的"这些"的"是他们"了,这些这个话中,这个话是是他的"我是你的"。"
  - 化水杨酸钠 化离子器化 化乙酸医乙酸酸乙酸 化乙酸 医外外支 统计

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#### 9. Reinstall the main silencer:

- a. Lift the main silencer up and attach the rubber hanger to the body hanger.
- b. **3.7L Only:** Attach the crossover pipe to the left main silencer after installing the new gasket and hand start the new nuts.
- c. Align the main silencer flange, pre-silencer flanges, separated pre-silencer bracket (front of pre-silencer flange) and new gasket.
- d. Insert new bolts from the main silencer side and hand start the nuts to the bolts from the pre-silencer separated hanger bracket side as shown below.



- e. Align the flange edges so there is no overlap on any side.
- f. Torque the joint by putting the torque wrench on the bolt head and hand wrench on the nut. Tightening Torque: 36.9 ft. lbs. {50 N-m, 5.1 kgf-m}
- g. 3.7L Only: Torque the joint between the crossover pipe to the left main silencer. Tightening Torque: 33.2 ft. lbs. {45 N-m, 4.6 kgf-m}

#### 10. Verify repair:

- a. 3.7L Only: Check that all the joints have been secured.
- b. Check that the rubber exhaust hangers are in correct position.
- c. Start the engine and confirm the noise has been eliminated.

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PART(S) INFORMATION

	Qty.	Description	Part Number
	2	Bolt	9978-11-035
	2	Nut	9994-61-000
	1	Gasket	L505-40-305B
Additional parts for 3.7L engine	1	Gasket	CA01-40-306A
Additional parts for 3.7L engine	2	Nut	9XG0-54-43ZA

# WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	82
Damage Code	9Y
Part Number Main Cause	L505-40-300D
Quantity	0
Operation Number / Labor Hours	YY742XRX / 0.5 Hrs. (2.5L Engine) YY746XRX / 0.6 Hrs. (3.7L Engine)

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