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<b>Subject:</b>  <b>IDLE FLUCTUATION/ENGINE VIBRATION</b>	<b>Bulletin No:</b> 01-023/07
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## APPLICABLE MODEL(S)/VINS

2006-2007 Mazda5 vehicles with VINs lower than JM1 CR\*\*\*\* \*\* 133752 (produced before August 4, 2006)

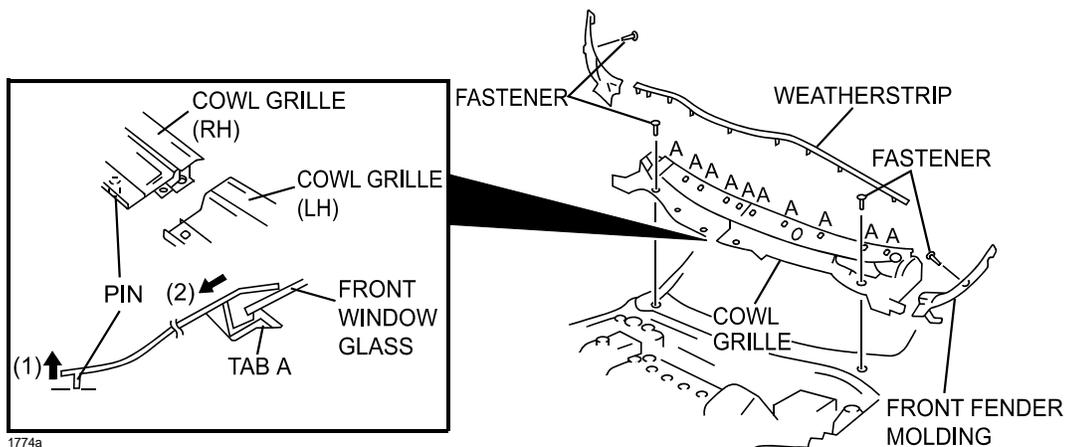
## DESCRIPTION

Some vehicles may experience idle fluctuation or engine vibration after the engine starts from a misfire caused by water settling around the No.1 plug after it rains or a car wash. The water enters the engine compartment because of poor sealing between the cowl grille and the hood. To prevent water from entering the engine compartment and settling around the No. 1 plug, a pad will be added on the cowl grille and the shape of the rubber seal for the ignition coil will be modified.

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

## REPAIR PROCEDURE

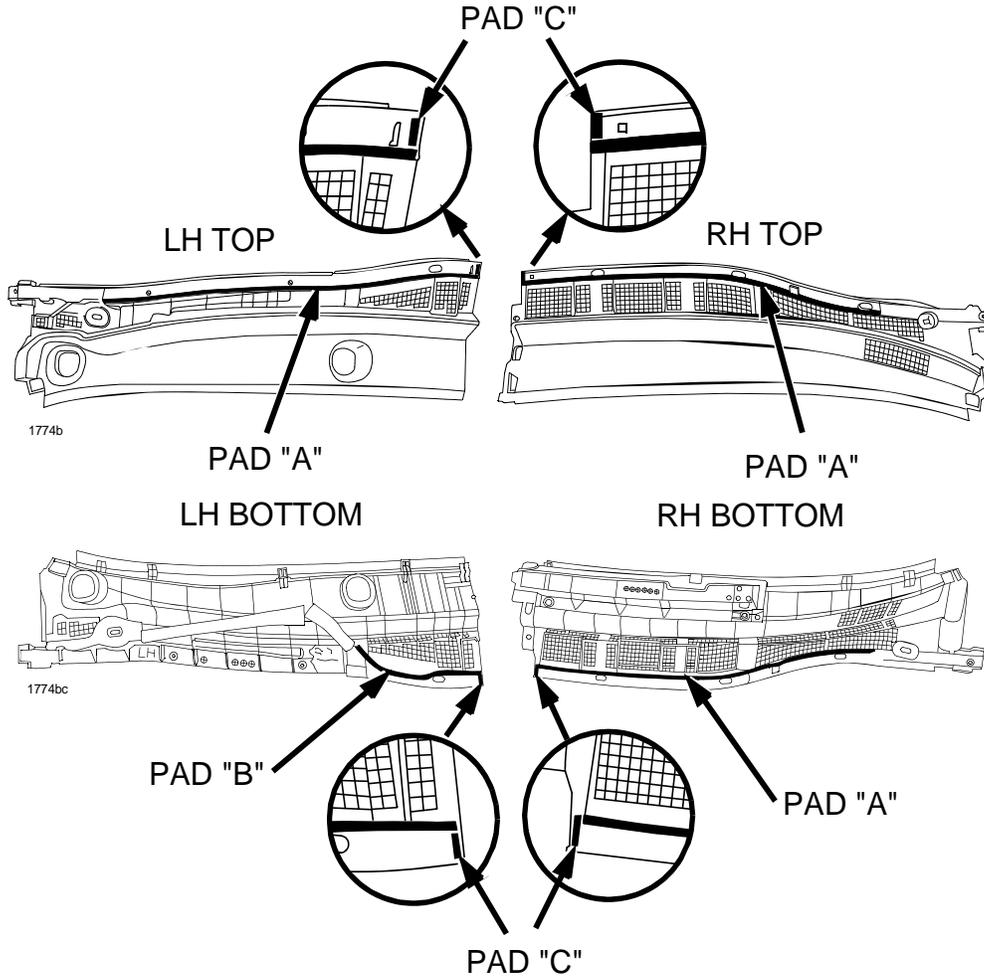
1. Verify customer concern.
2. Replace the No.1 ignition coil with a modified one.
3. Remove the left and right front wiper arms and blades. Refer to appropriate Workshop Manual section 09-19 - WINDSHIELD WIPER ARM AND BLADE REMOVAL/INSTALLATION.
4. Remove the front fender molding.



5. Remove the weatherstrip.
6. Remove the fasteners.
7. Remove both left and right cowl grilles by pulling up on the front and then pulling forward.
8. Add pads to the surface and back of the cowl grille as shown.

**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.

**NOTE:** Before adding the pads, be sure to clean and degrease the areas where the pads are attached.



9. Reinstall the parts in the reverse order of removal.
10. Verify repair.
  - a. Close the hood and pour water over the windshield to make sure that water does not drip into the upper area of the engine compartment.
  - b. Start the engine and make sure that there is no idle fluctuation and/or engine vibration.

**PART(S) INFORMATION**

Part Number	Description	Qty.	Notes
LFB6-18-100B	Ignition Coil	1	Replace only No. 1 ignition coil
C243-50-795	Pad "A"	3	Size: 560 mm x 5 mm x 3 mm
C253-50-795	Pad "B"	1	Size: 220 mm x 5 mm x 3 mm
C255-50-795	Pad "C"	4	Size: 17 mm x 5 mm x 3 mm

## 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	03
Damage Code	9K
Part Number Main Cause	LFB6 18 100B
Quantity	1
Operation Number / Labor Hours:	XXB393RX / 0.6 Hrs

**NOTE:** As for the other parts (Pad A, B and C), please claim as related parts.