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<b>Subject:</b>  SULFUR SMELL FROM EXHAUST SYSTEM	<b>Bulletin No:</b> 01-010/12
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## BULLETIN NOTE

- This bulletin supersedes the previous bulletin 01-029/02 issued on 11/22/02 and 01-043/06 issued on 11/03/06. APPLICABLE MODEL(S)/VINS have been revised.
- Changes are noted below in Red beside the change bar.

## APPLICABLE MODEL(S)/VINS

1995-2009 B-Series	2001-2006 Tribute	2006-2010 Mazda5
1997-2003 Protege	2008-2011 Tribute	2012-2013 Mazda5
1997-2005 Miata	2003-2013 Mazda6	2007-2012 Mazda CX-7
1997-2002 626	2004-2013 Mazda3	2007-2013 Mazda CX-9
1997-2002 Millenia	2004-2011 Mazda RX-8	2011-2013 Mazda2
1997-2006 MPV	2006-2013 Mazda MX-5	2013 CX-5

## DESCRIPTION

On some vehicles, a sulfur smell or 'rotten egg' odor may be noticed coming from the exhaust system. The odor is usually noticed after a cold start, fast idle, extended periods of idling and full throttle acceleration. Sulfur smell is not an indication of an engine concern and will not cause reduced driveability or durability of the engine or any of its emission components.

The sulfur smell or 'rotten egg' odor is caused by high amounts of sulfur in the gasoline being used in the vehicle. Sulfur is normally eliminated during the refining process, but the EPA regulation of sulfur in gasoline differs from state to state. Vehicles using fuel containing high amounts of sulfur will most likely emit sulfur smell from the exhaust system.

When high sulfur fuel is burned, there is a chemical reaction in the catalytic converter causing the sulfur to oxidize. As the vehicle is driven, the oxidizing reaction odor in the converter will decrease with mileage and age.

**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.

## RECOMMENDATIONS

**CAUTION:** Replacing the catalytic converter will not eliminate sulfur smell and replacement will just extend the period of time needed for the converter to 'age' allowing it to reduce sulfur smell to an acceptable level.

1. Switch to a different brand of fuel and drive the vehicle for at least 100 miles. Monitor the decrease or increase in sulfur smell.
2. Do not add any type of 'fuel additive' as this could add sulfur to the fuel and cause/increase the odor.
3. Try to avoid extended periods of short trip driving or aggressive acceleration.
4. Request information from your local fuel dealers on the amounts of sulfur in their gasoline. Try to use fuel containing the lowest amounts of sulfur.
5. Visit the EPA and gasoline company websites to stay informed on any changes in fuel or environmental regulations. A website to check is:
  - [www.epa.gov](http://www.epa.gov)