

Service Bulletin

Mazda North American Operations
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Subject: AIR BAG SYSTEM WARNING LIGHT ON WITH DTC B1933 OR B2233	Bulletin No: 08-003/12
	Last Issued: 08/24/2012

BULLETIN NOTE

- This bulletin supersedes the previous bulletin 08-003/12, issued on 08/08/12. The DESCRIPTION has been revised.
- Changes are noted below in Red beside the change bar.

APPLICABLE MODEL(S)/VINS

2007-2011 CX-7 vehicles with VINs lower than JM3ER*****347922 (produced before September 1, 2010)

DESCRIPTION

Some vehicles may experience an air bag system warning light ON with DTC B1933 or B2233.

- B1933: Passenger-side air bag module (inflator No. 1) circuit resistance high
- B2233: Passenger-side air bag module (inflator No. 2) circuit resistance high

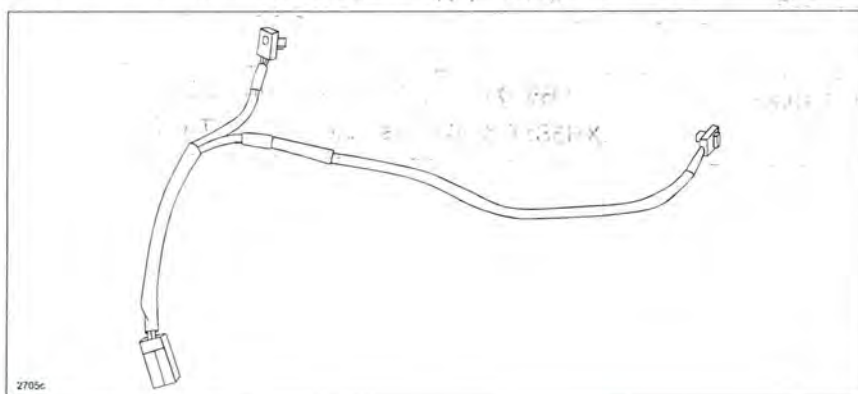
This is caused by poor contact at the terminals of the short harness that exists between the passenger-side air bag module and the SAS control module. To correct the problem, the terminals installation procedure has been changed.

NOTE: The air bag will deploy normally if the warning light is on with DTC B1933/B2233.

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

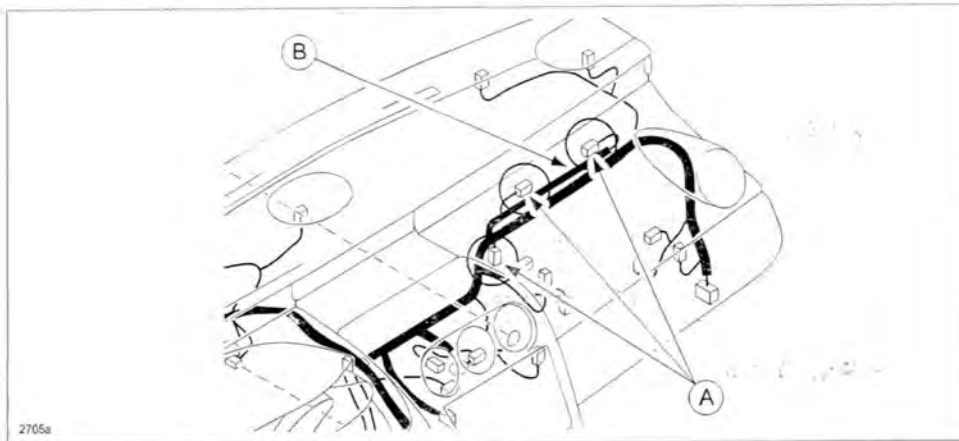
REPAIR PROCEDURE

1. Verify customer concern.
2. Disconnect the negative battery cable and wait for at least 1 minute.
3. Remove the glove box.
4. Replace the short harness of the passenger-side air bag with a modified one.



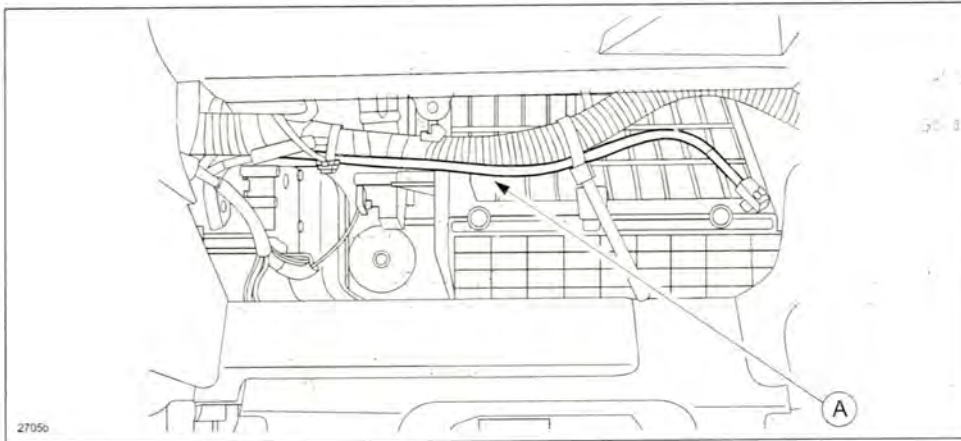
CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers 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.

- a. Disconnect the connectors (A) and remove the original short harness (B).



- b. Cut the connectors off the original harness so that it cannot be used again.
c. Route the new short harness (A) over the vehicle harness as shown.

CAUTION: Keeping a safe distance from the bracket, route the new short harness.



- d. Connect the connectors of the new short harness.
e. Secure the new short harness to the vehicle harness using tie wraps, then secure the 0810-117 connector with tape.
5. Connect the negative battery cable.
6. Using M-MDS, check the resistance value between the passenger-side air bag module and the SAS control module as follows:
- Connect the M-MDS to the DLC-2.
 - After the vehicle is identified, select the following items from the initialization screen of the M-MDS..
 - Select "DataLogger."
 - Select "Modules."
 - Select "RCM."
 - For B1933, select "RES_AB_P" and for B2233, select "RES_AB2_P."

7. Shake the short harness and verify the resistance value does not change.
8. Install the glove box.
9. Verify repair.

PART(S) INFORMATION

Part Number	Description	Qty.
EG24-67-SH1A	Short Harness	1

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 Safety Restraint System Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	62
Damage Code	9R
DTC	B1933 or B2233
Part Number Main Cause	EG24-67-SH1A
Quantity	1
Operation Number / Labor Hours:	XXH5VXRX / 0.6 Hrs.