

Service Bulletin

Mazda North American Operations
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Subject: AIR BAG SYSTEM WARNING ILLUMINATION WITH DTCs B1994 / B1998	Bulletin No: 08-001/12
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BULLETIN NOTE

- This bulletin supersedes the previous bulletin 08-001/12 issued 05/11/12. The REPAIR PROCEDURE has been revised.
- Changes are noted below in Red beside the change bar.

APPLICABLE MODEL(S)/VINS

2007-2012 CX-7 vehicles equipped with side air bags

DESCRIPTION

Some vehicles may experience air bag system warning light illumination with DTCs B1994 and/or B1998:

- B1994: Driver-side side air bag module circuit resistance high
- B1998: Passenger-side side air bag module circuit resistance high

The DTCs may be due to poor contact between the side air bag connector terminals.

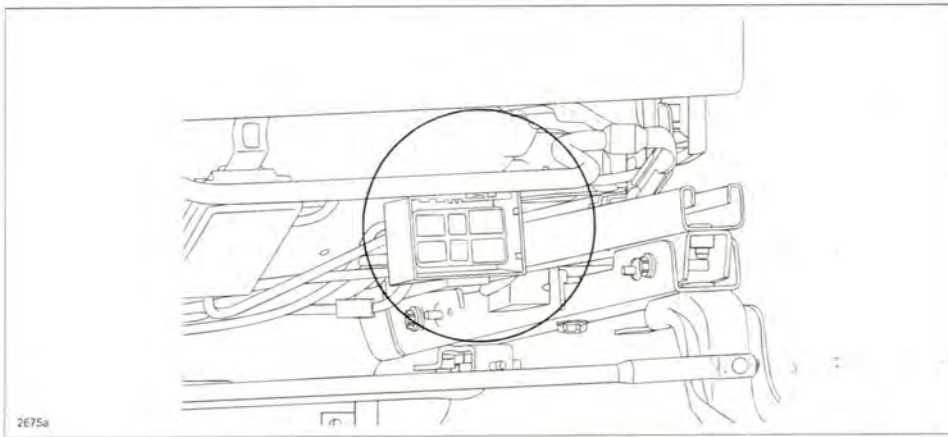
Customers having this concern should have their vehicle repaired using the following repair procedure.

REPAIR PROCEDURE

1. Verify the customer concern.
2. Using M-MDS, check the resistance between the side air bag and the SAS module as follows.
 - a. Connect the M-MDS to the DLC-2.
 - b. After the vehicle has been identified, select the following items from the initialization screen.
 - c. Select "DataLogger".
 - d. Select "Modules".
 - e. Select "RCM".
 - f. B1994 / select "RES_SAB_D" or B1998 / select "RES_SAB_P"
3. Wiggle the side air bag connector to see if the resistance changes.
 - If the resistance changes, go to next step.
 - If the resistance does not change, this service information is not applicable. Refer to MS3 online or Workshop Manual for further troubleshooting.
4. Adjust the front seat position for easier inspection.
 - a. Slide the seat to the most rearward position.
 - b. Turn the ignition switch to the OFF position.
5. Record the customer's preset radio stations.
6. Disconnect the negative battery cable.

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.

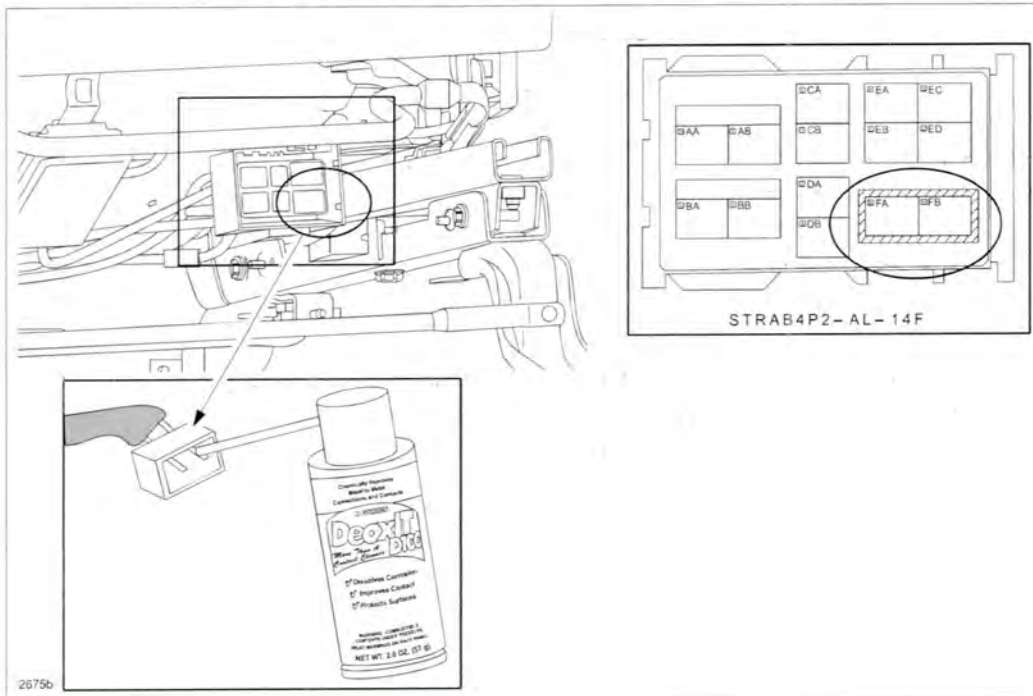
7. Disconnect the seat harness connector.



8. Spray electrical contact cleaner "DeoxIT #D100S-2" onto both sides of the male and female terminals as shown below.

NOTE:

- Order DeoxIT #D100S-2 (57 g) contact cleaner locally or online at caig.com.
- Always use the designated electrical contact cleaner for the best results.



9. Re-connect the seat harness connector.

10. Re-connect the negative battery cable.

11. Wiggle the side air bag connector to see if the resistance changes:
 - If the resistance does not change, go to next step.
 - If the resistance changes, this service information is not applicable. Refer to MS3 online or Workshop Manual for further troubleshooting.
12. Verify that DTCs B1994 and/or B1998 are NOT stored again.
 - If no DTCs are stored, go to next step.
 - If DTCs B1994 and/or B1998 are stored again, refer to MS3 online or Workshop Manual for further troubleshooting.
13. Re-enter the customer's preset radio stations.
14. Verify repair.

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
Part Number Main Cause	7777-SP-G38
Quantity	0
Operation Number / Labor Hours:	XXH2JXRX / 0.3 Hrs. (both sides)

NOTE:

- Order DeoxIT #D100S-2 (57 g) contact cleaner locally or online at caig.com.
- DeoxIT #D100S-2 (57 g) = approx. 500 applications.
- Do not claim contact cleaner under warranty.