

Service Bulletin

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Subject: ABS WARNING LIGHT ON WITH DTC C0020 AND U0415	Bulletin No: 04-002/13
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APPLICABLE MODEL(S)/VINS

2010-2011 Mazda3 vehicles (equipped with DSC) with VINs lower than JM1BL*****457714 (produced before February 1, 2011)

DESCRIPTION

Some vehicles (equipped with DSC) may experience the ABS warning light ON with DTCs C0020:1C and U0415:92 stored in memory. C0020:71 may also be stored.

- DTC C0020:1C: ABS motor monitor signal does not correspond to ABS HU/CM ON/OFF signal.
- DTC U0415:92: Error signal from ABS HU/CM or DSC HU/CM.
- DTC C0020:71: DSC HU/CM motor monitor ON signal is not input within specified time limit or more when motor signal is switched from ON to OFF by DSC HU/CM.

This concern may occur if the vehicle is used in an area with high ambient temperatures and humidity. Under these conditions, the pump motor brush in the ABS Hydraulic Unit may have poor contact causing the ABS warning light to turn ON. To correct the problem, the material of the motor brush has been changed.

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

REPAIR PROCEDURE

1. Verify customer concern.
2. Perform troubleshooting for DTC C0020:1C. Refer to MS3 online instructions or Workshop Manual section 04-02A DTC C0020:01/C0020:1C/C0020:71 [ABS].
 - If the troubleshooting located the ABS HU/CM to be replaced, then replace the ABS Hydraulic Unit with one of the latest part numbers. Refer to MS3 online instructions or Workshop Manual section 04-13 ABS HU/CM REMOVAL/INSTALLATION.
3. Clear all DTCs.
4. Verify repair.

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.

PART(S) INFORMATION

Part Number	Description	Qty.
BFY4-43-7AZB	ABS Hydraulic Unit	1
BBY7-43-7AZD	ABS Hydraulic Unit	1

NOTE:

- The part numbers were not changed for this modification. All ABS Hydraulic Units with the latest part numbers currently in stock should be modified since the modification was implemented in February 2011.
- Confirm the part number in the EPC for the subject VIN.

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 and PZEV Emissions Warranty or California Emissions Warranty (long term).
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	6X
Damage Code	9W
Part Number Main Cause	BFY4-43-7AZB or BBY7-43-7AZD
Quantity	1
Operation Number / Labor Hours:	XXJ7RXXR / 1.3 Hrs.