

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: 15-004/17 - LDWS OR HBC WARNING LIGHT ON WITH DTC C1001:92	Bulletin No.: 15-004/17
	Last Issued: 05/11/2017

BULLETIN NOTES

This bulletin supersedes the previously issued bulletin(s) listed below: The changes are noted in Red.

Previously issued TSBs:	Date issued:
15-001/16	03/31/2016, 01/11/2016
15-001/15	10/14/2015

APPLICABLE MODEL(S)/VINS

2016 MX-5 vehicles with VINs lower than JM1 ND ***** 109026 (produced before December 17, 2015)

DESCRIPTION

Some vehicles may experience one of the following 2 symptoms, even though the windshield is clear:

Symptom	Warning Light
1 Lane Departure Warning System (LDWS) warning light turns ON while stopping or driving at a very slow speed. DTC C1001:92 (Poor functioning of Forward Sensing Camera (FSC)) is stored in memory.	
2 High Beam Control (HBC) System warning light turns ON while stopping or driving at a very slow speed. DTC C1001:92 (Poor functioning of Forward Sensing Camera (FSC)) is stored in memory.	

Under certain driving conditions, the Forward Sensing Camera (FSC) may detect a dirty windshield (not clear).

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

REPAIR PROCEDURE

NOTE FOR CUSTOMER: The FSC may not work properly under the conditions:

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.

- The windshield is not clear.
- The FSC lens is not clear.
- Driving in heavy rain, dense fog or snow, or into the sun.
- Driving on a road with no or blurred road lane markings.

When the windshield becomes foggy in the winter time or other cold weather conditions and LDWS/HBC warning lights turn on, drive with the defroster on for about 10 minutes. This will help clear the foggy windshield at the FSC.

1. Verify customer concern.
2. Replace the forward sensing camera (FSC). Refer to MGSSonline or Workshop Manual FORWARD SENSING CAMERA (FSC) REMOVAL/INSTALLATION
3. Verify repair.

PARTS INFORMATION

Model	Part Number	Description	Qty.
MX-5	N243-67-XCXA	CAMERA, FORWARD SENSING	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 New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	6X
Damage Code	9W
Diagnostic Trouble Code (DTC)	C1001:92
Part Number Main Cause	N243-67-XCXA
Quantity	1
Operation Number / Labor Hours	XXL7TXRX / 0.5 Hrs.

NOTE:

- Warranty claim submission will require entry of a valid DTC.
- Labor Hours includes DTC reading and FSC aiming.
- Attach respective log file of M-MDS session.

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