

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject:

"AUTO LIGHT SYSTEM MALFUNCTION. TURN ON/OFF LIGHTS MANUALLY" WARNING MESSAGE AND DTC B10AD:09 STORED WHEN PARKED DURING HOT WEATHER CONDITIONS

Bulletin No.: 09-036/19

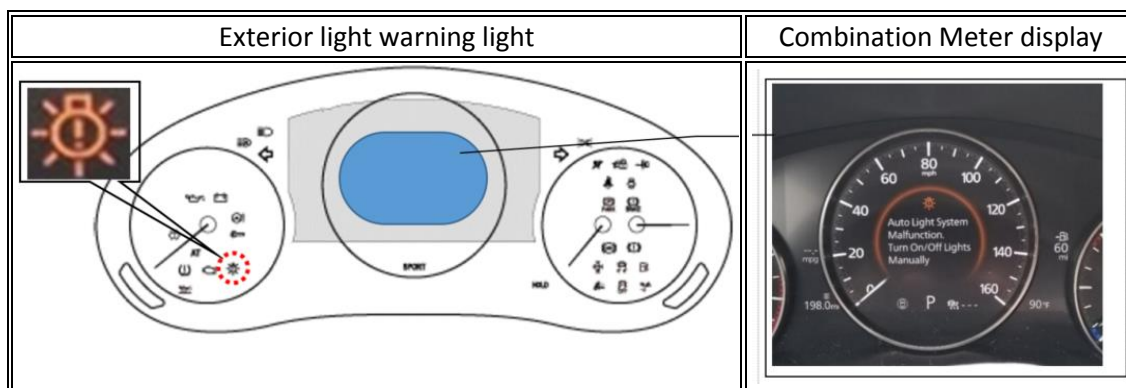
Last Issued: 10/02/2019

APPLICABLE MODEL(S)/VINS

- 2019-2020 Mazda3 (Japan built) vehicles with VINs lower than JM1BP*****150083 (produced before July 27, 2019)
- 2019-2020 Mazda3 (Mexico built) vehicles with VINs starting with 3MZ

DESCRIPTION

Some customers may complain about an instrument cluster warning message "Auto Light System Malfunction. Turn On/Off Lights Manually". DTC B10AD:09 (Humidity sensor/solar radiation sensor/auto light sensor/rain sensor malfunction) may also be stored with the exterior light warning indicator light ON.



This is caused by the rain sensor detecting a temperature higher than the operation range and temporarily stopping the auto light system. As a fail-safe, the low beam headlights are turned on. The auto light system will start to operate normally when the A/C is turned on and the interior temperature drops. To correct this concern, the heat resistance performance of the rain sensor has been enhanced.

REPAIR PROCEDURE

1. Verify customer concern.
2. Replace the rain sensor with a modified one according to the instructions on MGSS (RAIN SENSOR

Page 1 of 2

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.

REMOVAL/INSTALLATION).

3. Verify repair.

PARTS INFORMATION

Parts Number	Description	Qty.
BDGF-66-5G0B	Rain Sensor	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	64
Damage Code	9W
Part Number Main Cause	BDGF-66-5G0B
Quantity	1
Operation Number / Labor Hours:	XXR9KXRX / 0.3 Hrs.

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.