

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922



<b>Subject:</b>  FOGGY HEADLIGHTS (INNER CONDENSATION) AND WATER SPOTS INSIDE HEADLIGHT LENSES	<b>Bulletin No.:</b> 09-047/24
	<b>Last Issued :</b> 11/04/2024

## BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
09-041/23	11/27/23

## APPLICABLE MODEL(S)/VINS

### US/Canada Spec.:

2017-2020 CX-5 vehicles with VINs lower than JM3 KF\*\*\*\* \*\* 869654 (Produced before Aug. 24, 2020)

2021-2022 CX-5 vehicles with VINs lower than JM3 KF\*\*\*\* \*\* 649504 (Produced before Aug. 1, 2022)

2023 CX-5 vehicles with VINs lower than JM3 KF\*\*\*\* \*\* 271927 (Produced before Jun. 1, 2023)

### Mexico Spec.:

2018-2020 CX-5 vehicles with VINs lower than JM3 KF\*\*\*\* \*\* 869654 (Produced before Aug. 24, 2020)

## DESCRIPTION

Some customers may complain that the headlights get foggy or have water spots inside. This concern may be caused by the anti-fog coating not preventing inner condensation under certain situations. To eliminate this concern, the anti-fog coating performance was improved.

## NOTE:

- Before repairs are made, be sure to review the Verification Steps below.
- Use the Verification Steps to determine whether or not parts replacement is required.

## VERIFICATION STEPS:

Condensation/fog is abnormal (where water entry is suspected), the light unit should be replaced. Water entry is where rain water comes into the inner light and stays as waterdrops on the inside of the lens. The possible causes of "water entry" because of a part issue are:

- Poor sealing joint between the lens and housing.
- Cracked lens and/or housing.

**NOTE:** Causes of water entry from owner/operator treatment of vehicle (that should be avoided and are not covered under Warranty) are:

**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 light and the surrounding area receive too much water in high-pressure washing.
- The lens cracks from using a special cleaning agent with solvent.

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

## REPAIR PROCEDURE

1. Verify the customer concern.

### NOTE:

- If the inside is dry and the coating is showing spots/stains, repair the vehicle according to step 2 below.
- If the headlight has water inside, refer to the warranty section below.

2. Replace the headlights with new ones according to the instructions on MGSS FRONT COMBINATION LIGHT REMOVAL/INSTALLATION.

3. Verify the repair.

## PARTS INFORMATION

Parts Number	Description	Qty.	Notes
***-51-035A	LAMP UNIT-HEAD, RH	1	Use the GEPC with the VIN to look up the require part(s)
***-51-035Y	LAMP UNIT-HEAD, LH	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	98
Damage Code	9F

**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.

Causal Part No.	***-51-035A and/or ***-51-035Y		
Quantity	1 or 2		
Operation No. and Labor Hours	Without 360°view monitor system	One side	XXWFZARX / 0.6 Hrs.
		Both sides	XXWFZCRX / 0.8 Hrs.
	With 360°view monitor system,360° view monitor system screen display verification only	One side	XXWFZERX / 0.7 Hrs.
		Both sides	XXWFZGRX / 0.9 Hrs.
	With 360°view monitor system, 360°view monitor system screen display verification and 360°view monitor system aiming	One side	XXWFZJRX / 0.8 Hrs.
		Both sides	XXWFZLRX / 1.0 Hrs.

**NOTE:**

- If the inside is dry and the coating is showing spots/stains, claim according to the warranty information in the table above.
- If the headlight is full of water due to a light failure (for example, poor sealing of the lens to the light body), claim as New Vehicle Limited Warranty term.

**Not Warrantable:**

If the headlight is full of water due to:

- The customer using a pressure washer directly on the light and damaging a seal.
- Collision damage or poor collision damage repairs.
- Improper repairs.

**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.