

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: REAR COMBINATION LIGHT(S) ARE FOGGY	Bulletin No.: 09-014/19
	Last Issued: 03/15/2019

BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
09-032/18	08/13/2018

APPLICABLE MODEL(S)/VINS

2017-2018 CX-5 vehicles with VINs lower than JM3KF*****356208 (produced before Feb. 6, 2018)

DESCRIPTION

Some customers may complain of foggy rear combination lights (as shown below) after a car wash or heavy rain.



This concern may be caused by water entering into the rear combination lights through the ventilation tubes. To eliminate this from occurring, the ventilation tubes have been changed to a ventilation cap design.

Page 1 of 8

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.

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.

REPAIR PROCEDURE

NOTE: If the subject vehicle has already had both vent caps installed according to this service bulletin, do not make any further repairs.

Refer to TSB 09-003/19 - CONDENSATION / FOG IN FRONT AND REAR COMBINATION LAMPS (HEADLAMP AND TAILLAMP ASSEMBLIES for additional information.

NOTE: Repair both rear combination light units, even if one side is not foggy.

1. Verify the customers concern of condensation inside the rear combination lights.
 - a. If condensation is found inside, replace both rear combination light units with new parts according to the instructions on MGSS online (REAR COMBINATION LIGHT REMOVAL/INSTALLATION).
 - b. If condensation is not found inside, go to Step 2.



CONDENSATION RUNNING DOWN LENS - REPLACE LIGHT UNIT

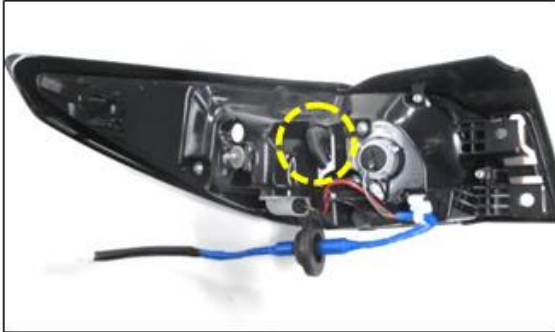


FOGGY UNIT - DO NOT REPLACE LIGHT UNIT

Symptom	Step / Action
Condensation running down lens	Step 1a: Replace rear combination light unit
Foggy Unit / No drops on lens	Step 5: Dry inside unit for (20) minutes; install ventilation caps
Non-Foggy Unit	Step 6: Dry inside unit for (1) minute; install ventilation caps

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.

2. Remove the rear combination light unit according to the instructions on MGSS online (REAR COMBINATION LIGHT REMOVAL/INSTALLATION).
3. Remove the ventilation tube from the back of the light unit.

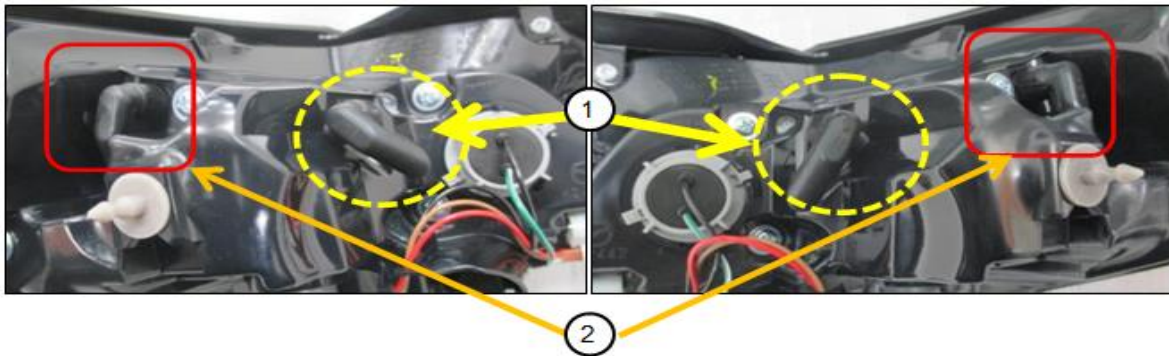


LIGHT UNIT, RIGHT



LIGHT UNIT, LEFT

NOTE: Bulb type rear combination lights have two ventilation tubes. Remove only the inner ventilation tube (1). Do not remove the outer ventilation tube (2).



4. Turn the light bulb socket to remove it.

NOTE: Do not damage the bulb.

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.



5. **Foggy Unit / No drops on lens:** Hold a dryer to the turn light bulb socket hole and blow **cold air** into the unit for 20 minutes to dry out the inside of the unit.

NOTE: **DO NOT** blow hot or warm air into the socket hole because it could deform the plastic parts.

6. **Non-Foggy Unit:** Hold a dryer to the turn light bulb socket hole and blow **cold air** into the unit for one (1) minute to ventilate the inside of the unit.



7. Reinstall the turn light bulb socket.

8. Install the ventilation cap onto the rear combination light unit.

NOTE: Push the ventilation cap cover in parallel with the flange at the rear combination of the light housing. Push it 2mm away from the flange. If it is closer than 2mm, it may cause the problem to recur.



SIDE VIEW



TOP VIEW

9. Reinstall the rear combination light unit.
10. Repeat Steps 2 - 9 as necessary on the opposite side rear combination light unit.
11. Verify the 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.

PARTS INFORMATION

Part Number	Description	Qty.	Notes
KB8B-51-160E	Lights (L), RR Combination	1	Check GEPC for applicable part
KB8B-51-150E	Lights (R), RR Combination	1	
KB8A-51-160F	Lights (L), RR Combination	1	
KB8A-51-150F	Lights (R), RR Combination	1	
K1Y3-51-516	Ventilation Cap	1	Includes two (2) ventilation caps

NOTE: The rear light combination units listed in the table above already have the ventilation caps installed.

NOTE: If the subject vehicle has already had both vent caps installed according to this service bulletin, do not make any further repairs.

Refer to TSB 09-003/19 - CONDENSATION / FOG IN FRONT AND REAR COMBINATION LAMPS (HEADLAMP AND TAILLAMP ASSEMBLIES for additional information.

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	79
Damage Code	99
Part Number Main Cause	****-51-160* or ****-51-150* (Select part number of rear combination light applicable to subject vehicle from

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.

	Parts Information table above.)
Quantity	0 or 1
Related Part	K1Y3-51-516
Quantity	1
Operation Number / Labor Hours:	Refer to table below

Unit Replacement	Cap Installation	Operation No.	Labor Hours
0 unit	2 caps	XXP48ARX	0.4 Hr.
1 unit	1 cap	XXP48BRX	0.3 Hr.
2 units	0 cap	XXP48CRX	0.3 Hr.

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.