

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

REAR COMBINATION LIGHT(S) ARE FOGGY

Bulletin No.: 09-032/18

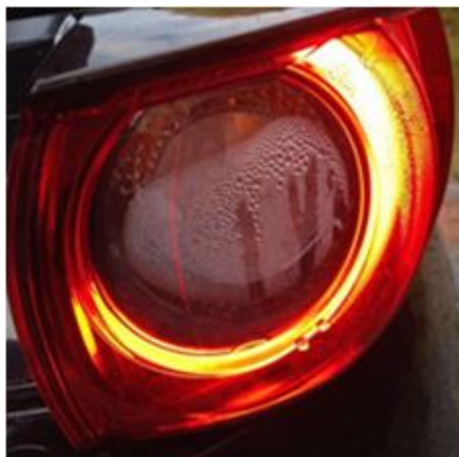
Last Issued: 08/13/2018

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.

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REPAIR PROCEDURE

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**

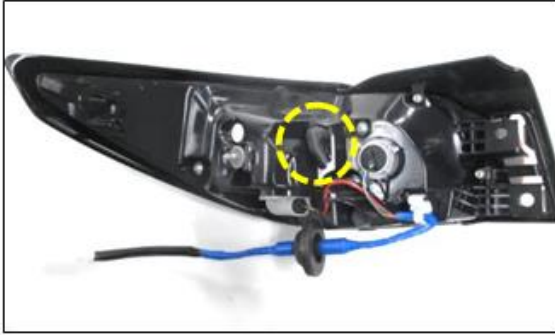


**FOGGY UNIT - DO NOT REPLACE
LIGHT UNIT**

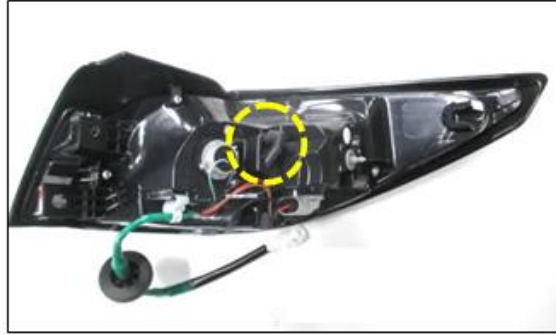
Symptom	Step / Action
Condensation running down lens	Step 1a: Replace rear combination light unit
Foggy Unit / No drops on lens	Step 5: Dry inside unit for (20) minutes; install ventilation caps
Non-Foggy Unit	Step 6: Dry inside unit for (1) minute; install ventilation caps

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.

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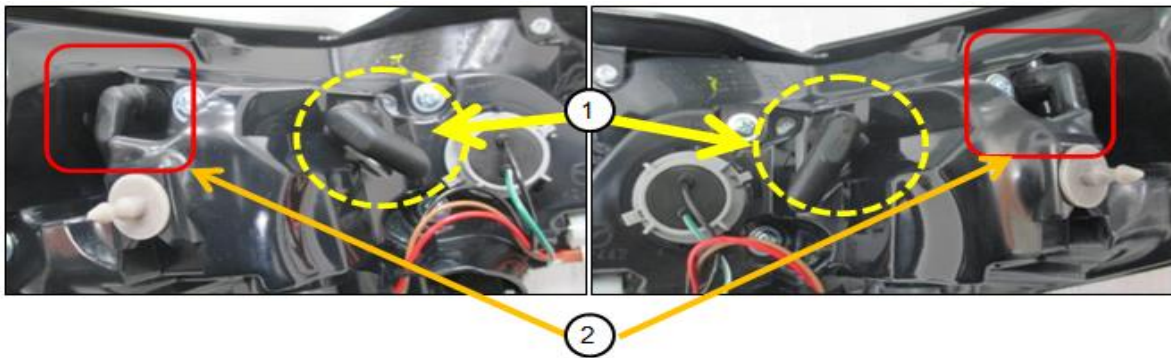


LIGHT UNIT, RIGHT



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.

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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.



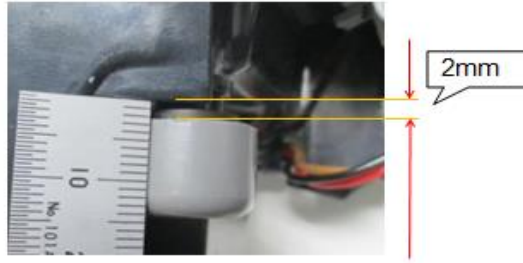
7. Reinstall the turn light bulb socket.

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.

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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.

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 Parts Information table above.)
Quantity	0 or 1
Related Part	K1Y3-51-516

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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.

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