



NUMBER: 23-043-20

GROUP: 23 - Body

DATE: December 10, 2020

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SUBJECT:

Headlamp Condensation and Fogging

OVERVIEW:

This bulletin involves installing updated closure(s) cap on the headlamp assembly.

MODELS:

2015 - 2020 (LD) Dodge Charger

NOTE: This bulletin applies to vehicles within the following markets/countries: North America.

SYMPTOM/CONDITION:

Customers may experience the following:

- One or both of the vehicle's headlamp assemblies are fogged with a light layer of condensation on the inside of the lenses.

DIAGNOSIS:

If the customer describes the symptom/condition listed above, perform the Diagnosis Procedure.

NOTE: The diagnosis needs to be performed in a warm shop with low humidity.

1. Bring the vehicle into the shop, turn on the headlamps (high beams) and hazard warning lamps.
Let the vehicle run for 20 minutes.

NOTE: If the condensation/fogging has begun to clear from the lamp lenses after 20 minutes of lamp operation, the headlamp assembly seal is not defective and the headlamp assembly does not need to be replaced. The figures below are examples of good (Fig. 1) and faulty (Fig. 2) headlamp assemblies.



Fig. 1

Normal Headlamp Clearing - Install Updated Closure Caps



Fig. 2

Heavy Condensation With No Clearing - Replace Headlamp Assembly

NOTE: Headlamp assemblies that have physical damage, such as a crack or a hole, or that have been disassembled and modified to install color changing LEDs are NOT covered under the provisions of the warranty.

2. Did **both** headlamp lenses start to clear (Fig. 1) ?
 - YES>>> Install the updated closure caps on the both headlamp assemblies. proceed to [Step 1](#) of the Repair Procedure.
 - NO>>> Proceed to [Step 3](#) of the Diagnosis Procedure.
3. If one headlamp assembly cleared and the other still has heavy condensation in it, only replace the updated closure cap on the assembly that cleared up. Proceed to [Step 1](#) of the Repair Procedure.

NOTE: The headlamp that still has condensation with no clearing in it will need to be replaced. Use normal Service Information and normal warranty process and procedures. Replacement headlamp assemblies will already have the updated closure cap installed.

PARTS REQUIRED:

Qty.	Part No.	Description
2 (AR)	68530177AA	Cap Kit, Headlamp Closure

NOTE: Two kits will be needed per vehicle: one for each headlamp assembly.

REPAIR PROCEDURE:

1. Open the Hood.
2. Remove the old closure cap(s) by turning it counterclockwise and discard (Fig. 3) .



Fig. 3
Closure Cap Location

1 - Closure Cap

NOTE: Make sure the Closure cap(s) are properly installed. If the seal on the cap is visible, it is not installed properly (Fig. 4) .

3. Install the new closure cap(s) by turning the cap clockwise. Make sure the cap is fully seated and all lugs are engaged.

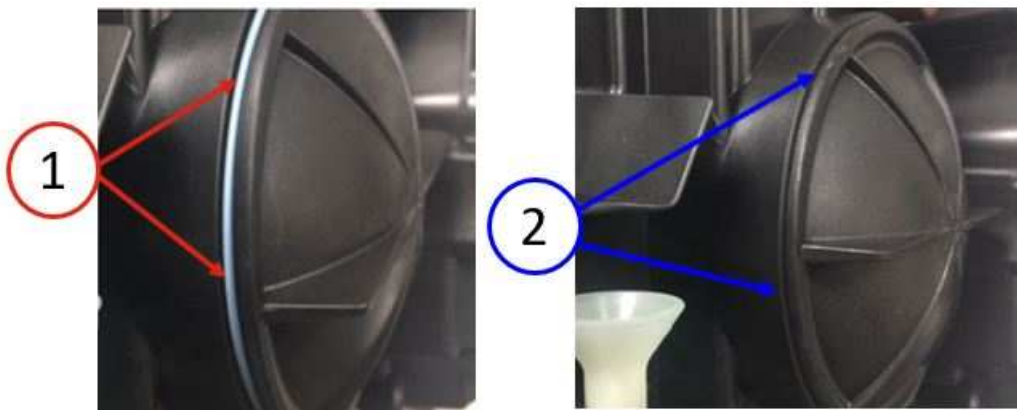


Fig. 4
Closure Cap Installed

1 - Closure Cap Not Installed Properly

2 - Closure Cap Installed Properly

4. Close the hood on the vehicle.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-50-31-9N	Inspect Headlamp Assemblies for Excess Condensation/Fogging (0 - Introduction)	6 - Electrical and Body Systems	0.5 Hrs.
08-50-31-9P	Closure Cap, Headlamp Housing - Inspect and Replace One (0 - Introduction)	6 - Electrical and Body Systems	0.5 Hrs.
08-50-31-9Q	Closure Caps, Headlamp Housing - Inspect and Replace Both (0 - Introduction)	6 - Electrical and Body Systems	0.6 Hrs.

FAILURE CODE:

ZZ	Service Action
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