



NUMBER: 23-042-20

GROUP: 23 - Body

DATE: December 10, 2020

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This bulletin supersedes Technical Service Bulletin (TSB) 23-017-18, date of issue April 27, 2018, which should be removed from your files. The only revision to this document is LD vehicles have been removed from this TSB and no asterisks have been used to highlight revisions.

SUBJECT:

Headlamp Condensation and Fogging

OVERVIEW:

This bulletin involves installing updated vent caps on the headlamp assembly.

MODELS:

2015 - 2017	(LA)	Dodge Challenger
2011 - 2017	(LX)	Chrysler 300

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 Diagnostic 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 Vent 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>>> Replace the vent caps. 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 install the vent caps on the assembly that cleared up. Proceed to **Step 1** of the Repair Procedure. **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.**

NOTE: Replacement headlamp assemblies will already have the updated vent caps installed.

PARTS REQUIRED:

Qty.	Part No.	Description
1 (AR)	68353620AA	Kit, Vent Caps (Brown) (One Kit Per Headlamp Assembly)

NOTE: Two kits will be needed per vehicle, one for each headlamp assembly. Each kit will include the updated (brown) vent caps.

REPAIR PROCEDURE:

1. Remove the headlamp assembly. Refer to the detailed service procedures available in DealerCONNECT> Service Library> 8L - Lamps and Lighting / Lamps/Lighting - Exterior / Unit, Front Lamp/Removal.
2. Remove and discard the old vent caps by pulling them rearward off the headlamp assembly (Fig. 3) .

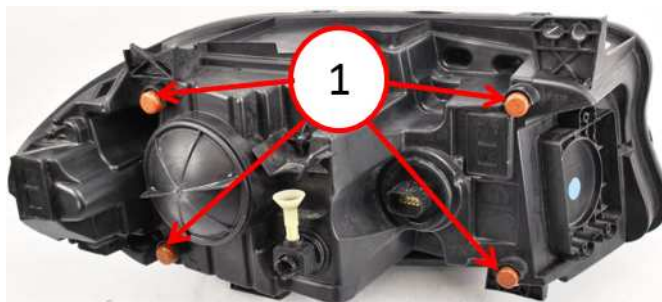


Fig. 3
Example Location Of Vent Caps - Charger

1 - Four Old Style Vent Caps

3. Install the new (brown) vent caps by pushing them on the bosses of the headlamp assembly.
4. Install the headlamp assembly. Refer to the detailed service procedures available in DealerCONNECT> Service Library>08 - Electrical/8L - Lamps and Lighting/Lamps/Lighting - Exterior/Unit, Front Lamp/Installation.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-50-31-9K	Inspect Headlamp Assemblies for Excess Condensation/Fogging (0 - Introduction)	6 - Electrical and Body Systems	0.5 Hrs.
08-50-31-9L	Vent Caps, Headlamp Housing - Inspect and Replace (LX, One Side) (0 - Introduction)	6 - Electrical and Body Systems	1.1 Hrs.
08-50-31-9M	Vent Caps, Headlamp Housing - Inspect and Replace (LX, Both Sides) (0 - Introduction)	6 - Electrical and Body Systems	1.2 Hrs.
08-50-31-9L	Vent Caps, Headlamp Housing - Inspect and Replace (LA, One Side) (0 - Introduction)	6 - Electrical and Body Systems	1.4 Hrs.
08-50-31-9M	Vent Caps, Headlamp Housing - Inspect and Replace (LA, Both Sides) (0 - Introduction)	6 - Electrical and Body Systems	1.5 Hrs.

NOTE: When installing vent caps on one side only and replacing the other headlamp, the install one side only LOP requires the use of headlamp replacement related LOP 08-50-31-50 (Check Quick LOP for car line specific labor time).

Fascia removal and install time is already included in each vent cap replace LOP shown above.

FAILURE CODE:

ZZ	Service Action
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