



NUMBER: 23-015-18

GROUP: 23 - Body

DATE: April 19, 2018

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SUBJECT:

Headlamp Condensation and Fogging

OVERVIEW:

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

MODELS:

2012 - 2017	(DD)	RAM 3500 Cab Chassis
2016 - 2017	(DF)	RAM 3500 <10K LB Cab Chassis
2012 - 2017	(DP)	RAM 4500/5500 Cab Chassis
2012 - 2017	(DJ)	RAM 2500 Pickup
2012 - 2017	(DS)	RAM 1500 Pickup
2012 - 2017	(D2)	RAM 3500 Pickup
2012 - 2017	(DX)	RAM Truck (Mexico)

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

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 and 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 require replacement. (Fig. 1) and (Fig. 2) are examples of good and faulty 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 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](#).

NOTE: When installing the vent caps on one side only, the vent caps must be installed on the other assembly also.

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

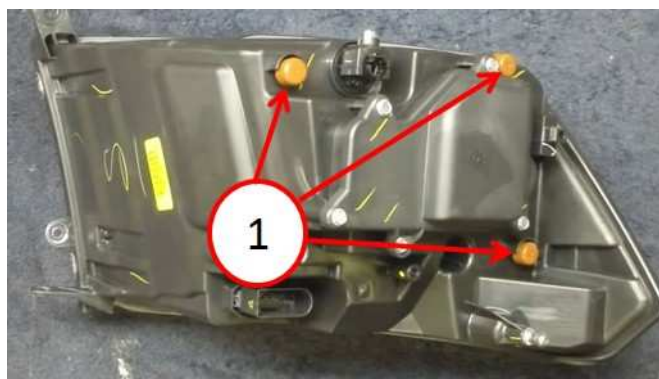


Fig. 3
Location Of Vent Caps

1 - Three Vent Caps

3. Install the new (brown) vent caps by pushing them on the bosses of the headlamp assembly.
4. Install the headlamp assemblies. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT>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
08-50-31-9H	Housing, Headlamp - Inspect and Replace Vent Kit (One Side Only) (0 - Introduction)	6 - Electrical and Body Systems	0.8 Hrs.
08-50-31-9J	Housing, Headlamp - Inspect and Replace Vent Kit (Both Right and Left) (0 - Introduction)	6 - Electrical and Body Systems	1.1 Hrs.

NOTE: When installing vent caps on one side only, the install one side only LOP works in conjunction with the headlamp replacement LOP.

FAILURE CODE:

ZZ	Service Action
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