STELLANTIS
PARTS & SERVICES

Technical Service Bulletin (TSB)

Exterior Front Lamps Condensation Clearing Procedure

REFERENCE:	**TSB:** 23-008-25 REV. A **GROUP:** 23 - Body	**Date:**	September 18, 2025	**REVISION:**	23-008-25

VEHICLES AFFECTED:

****2021 - 2025 (MP) Jeep Compass**
2021 - 2025 (MV) Jeep Compass
2019 - 2025 (BV) Jeep Renegade
2019 - 2023 (KL) Jeep Cherokee
2026 (EJ) Jeep Recon
2021 - 2025 (WL) Jeep Grand Cherokee/Grand Cherokee L
2021 - 2022 (WK) Jeep Grand Cherokee
2022 - 2025 (WS) Wagoneer/Grand Wagoneer
2021 - 2026 (JL) Jeep Wrangler
2021 - 2025 (JT) Jeep Gladiator
2021 - 2026 (D2) RAM 3500 Pickup
2021 - 2026 (DT) RAM 1500 Pickup
2021 - 2026 (RU) Chrysler Pacifica
2021 - 2026 (DP) RAM 4500 / 5500 Cab Chassis
2021 - 2024 (DS) RAM 1500 Pickup
2021 - 2026 (DD) RAM 3500 Cab Chassis
2021 - 2026 (DJ) RAM 2500 Pickup
2021 - 2026 (MP) Jeep Compass
2021 - 2025 (GA) Alfa Romeo Guilia
2021 - 2026 (VF) RAM Promaster
2021 - 2026 (WD) Dodge Durango
2021 - 2025 (GC) Alfa Romeo Tonale
2023 - 2025 (GG) Dodge Hornet
2021 - 2025 (GU) Alfa Romeo Stelvio
2021 - 2023 (LA) Dodge Challenger
2021 - 2023 (LX) Chrysler 300
2021 - 2023 (LD) Dodge Charger
2024 - 2026 (LB) Dodge Charger
2024 - 2025 (KM) Jeep Wagoneer S
2021 - 2022 (VM) RAM ProMaster City**

MARKET APPLICABILITY:

- ☒ NA
- ☒ MEA
- ☒ SA
- ☒ IAP
- ☒ EE
- ☒ CH

NOTE: This bulletin applies to the North America, South America, Middle East and Africa, Enlarged Europe and China markets.

CUSTOMER SYMPTOM:

****Some customers may report that on occasion vehicle exterior front lamps (headlamps, fog lamps, grille lamps, logo lamps or signature lamps) assemblies are fogged with a light layer of condensation on the inside of the lenses****

CAUSE:

****Exterior Front Lamps Condensation (headlamps, fog lamps, grille lamps, logo lamps, signature lamps)****

This bulletin supersedes Technical Service Bulletin (TSB) 23-008-25, date of issue February 15, 2025, which should be removed from your files. All revisions are highlighted with **asterisks and include an additional model years, vehicles and bulletin text changes.**

DISCUSSION:

This TSB is to communicate the procedure for **vehicle exterior front lamps (headlamps, fog lamps, grille lamps, logo lamps, signature lamps)** condensation clearing.

STANDARD PROCEDURE - Lamp Lens Defogging:

NOTE: Figures are not specific to vehicles and only used for showing the **vehicle exterior front lamps (headlamps, fog lamps, grille lamps, logo lamps, signature lamps) either good or bad per the service bulletin.**

Customers may report that on occasion, vehicle exterior headlamp assemblies are fogged with a light layer of condensation on the inside of the lenses Fig. 1 and Fig. 2.

This may be reported after the **lamps** have been turned on and brought up to operating temperature, turned off and then rapidly cooled by cold water (such as rain, or the water from a vehicle wash). **Lamp** lens fogging can also occur under certain atmospheric conditions after a vehicle has been parked outside overnight (i.e. a warm humid day followed by clear cool night).

This will usually clear as atmospheric conditions change to allow the condensation to change back into a vapor. Turning the headlamp ON will usually accelerate this process.



Fig. 1
Fogged Headlamp Examples



Fig. 2
Fogged Headlamp Examples

A headlamp **(or any exterior front lamps)** that exhibits condensation/fogging**/sagging** Fig. 1 and Fig. 2 should be evaluated in a service bay environment according to the following steps:

1. Dry all water from the outside surface of the lamp lens.
2. Operating all outside lamps for **60 minutes by performing the following:**
   - Start the vehicles engine.
   - Turning ON the vehicle headlamps and the hazard warning flashers.

Evaluation Criteria:

If the condensation/fogging has begun to clear from the **lamp lens within 60 minutes** with the lamps operating Fig. 3, Fig. 4, Fig. 5 and Fig. 6 as this indicates the lamp sealing has not been breached and **the **exterior lamp** does NOT need to be replaced.**



Fig. 3
Before 60 Minute Clearing Time Example



Fig. 4
After 60 Minute Clearing Time Example



Fig. 5
After 60 Minute Clearing Time Example



Fig. 6
Condensation/Fogging Beginning To Clear Examples

If the condensation/fogging has not begun to clear **within 60 minutes with the lamps operating, or the lamp** has large amounts of water droplets visible on most internal surfaces, this indicates a problem with the headlamp sealing that has allowed water to enter the headlamp. In this instance, the customer is also likely to report that moisture in the headlamp is always present and never disappears Fig. 7.

NOTE: A headlamp **(or any exterior front lamp) that exhibits internal moisture permanently Fig. 7 should be replaced.**



Fig. 7
Condensation/Fogging Not Beginning To Clear After 60 Minutes Examples

Most Common Causes For Heavy Non-normal Condensation/Fogging In **Exterior Front Lamp** Assemblies:

- **Damage:** Breakage on the **lamp** housing will allow moisture/water to enter to the **lamp** (damage, cracks, holes, etc.) Fig. 8. If this is noticed, the Failure Code must be recorded accordingly: **11 / BROKEN OR CRACKED**.

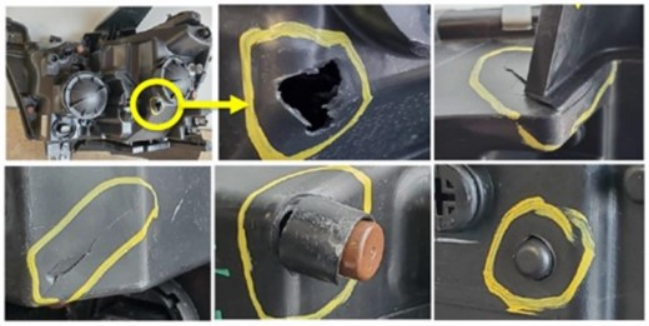


Fig. 8
Cracked, Damaged, Or Broken Lamp Examples

- **Missing Sealing Components:** Missing vent caps, bulb access caps or bulb sockets will allow moisture/water to enter to the head lamp Fig. 9. If this is noticed, the Failure Code must be recorded accordingly: **1C / CONNECTOR LOOSE NOT ATTACHED**.

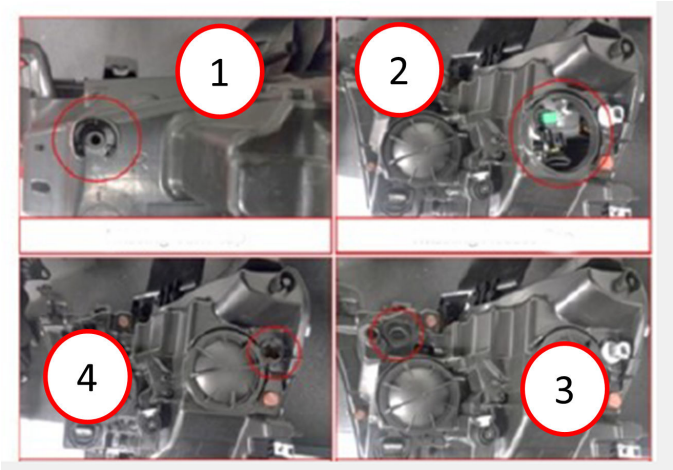


Fig. 9
Missing Sealing Components Examples

1 - Missing Vent Cap
2 - Missing Bulb Access Cap
3 - Missing Bulb Socket
4 - Missing Bulb Socket

- **Sealing Components:** Missing/damaged vent caps, incorrectly installed bulb access caps and bulb sockets, will allow moisture/water to enter to the lamp Fig. 10. If this is noticed, the Failure Code must be recorded accordingly: **1C / CONNECTOR LOOSE NOT ATTACHED**.



Fig. 10
Incorrectly Installed Bulb Access Caps Examples

If no obvious causes are observed, proceed using the failure code for leaks (65) and replace the lamp assemblies accordingly. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>08 - Electrical / 8L - Lamps and Lighting / Lamps/Lighting - Exterior / Unit, Front Lamp / Removal and Installation.

POLICY:

Information Only.