

REFERENCE:	TSB: 08-112-23 GROUP 08 - Electrical	Date:	April 29, 2023	REVISION:	08-037-22 REV. A
VEHICLES AFFECTED:	**2017 - 2023 (MP) Jeep Compass** 2021 - **2023** (WL) Jeep Grand Cherokee 2022 - **2023** (WS) Grand Wagoneer/Wagoneer 2019 - **2023** (KL) Jeep Cherokee	MARKET APPLICABILITY:			
CUSTOMER SYMPTOM:	Some customers may report that on occasion, vehicle exterior tail lamp assemblies are fogged with a light layer of condensation on the inside of the lenses. 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).				
CAUSE:	Moisture build up in the tail lamp assembly. 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 tail lamps on will usually accelerate this process.				

This bulletin supersedes Technical Service Bulletin (TSB) 08-037-22 REV. A, date of issue May 06, 2022, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include additional vehicle and model years.



Fig. 1
Clear Tail Lamp Assembly



Fig. 2
Tail Lamp Assembly with Condensation

NOTE: Images are not specific to vehicle, and only used for showing the tail lamps either clear (**Fig. 1**) or having a condensation build up within the tail lamp assembly (**Fig. 2**) per the procedure.

REPAIR SUMMARY:

This bulletin is to communicate the procedure for rear tail lamp condensation clearing.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
08-50-89-94	Setup Tail Lamp Condensation Test and Evaluate Moisture Dissipation Rate (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
Failure code	ZZ	Service Action	

RELATED TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-50-89-95	Setup Tail Lamp Condensation Test and Evaluate for 20 Minutes	6 - Electrical and Body Systems	0.1 Hrs.
08-50-89-96	Setup Tail Lamp Condensation Test and Evaluate for 30 Minutes	6 - Electrical and Body Systems	0.2 Hrs.
08-50-89-97	Setup Tail Lamp Condensation Test and Evaluate for 40 Minutes	6 - Electrical and Body Systems	0.3 Hrs.
08-50-89-98	Setup Tail Lamp Condensation Test and Evaluate for 50 Minutes	6 - Electrical and Body Systems	0.4 Hrs.
08-50-89-99	Setup Tail Lamp Condensation Test and Evaluate for 60 Minutes	6 - Electrical and Body Systems	0.5 Hrs.

DIAGNOSIS:

This is to inform the technician that there is now a procedure to perform a condensation clearing before replacing a rear tail lamp as defective / leaking due to the condensation build up within a rear tail lamp of this vehicle and is also available in Service Library. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info>08 - Electrical / 8L - Lamps and Lighting / Lamps/Lighting - Exterior / Standard Procedure>Lamp Lens Defogging (Front/Rear).

If the customer describes any of the symptoms listed above in the customer symptom section, perform the Repair Procedure.

REPAIR PROCEDURE:

NOTE: Install a battery charger to ensure battery voltage does not drop below 13.2 volts. Do not allow the charging voltage to climb above 13.5 volts during this process.

1. A tail lamp that exhibits condensation/fogging should be evaluated in a service bay environment by first drying all water from the outside surface of the lens and operating the lamp for 60 minutes by starting the vehicle and turning on the head lights and hazard lights.
2. The tail lamp should be checked every 10 minutes.
 - a. If the condensation/fogging has begun to clear from the tail lamp lens within 60 minutes with the tail lamps operating, this indicates the tail lamp sealing has not been breached, and the tail lamp does not need to be replaced (Fig. 1) .
 - b. If the condensation/fogging has not begun to clear after 60 minutes with the tail lamps operating, or the lamp has large amounts of water droplets visible on most internal surfaces, this indicates a problem with the tail lamp sealing that has allowed water to enter the tail lamp. In this instance, the customer is also likely to report that moisture in the tail lamp is always present and never disappears (Fig. 2) . A tail lamp that exhibits internal moisture permanently should be replaced. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 08 - Electrical / 8L - Lamps and Lighting / Lamps/Lighting - Exterior / Lamp, Tail / Removal.

POLICY:

Reimbursable within the provisions of the warranty.

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