



94-19-01 - Exterior Lights, Moisture Accumulation

Release date: 3/2/2021

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All (except Routan)	1996-2021	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2011521/17	3/2/21	94-19-01	Additional lighting information.
2011521/15	4/21/20	94-19-01	Updated to include additional models and model year applicability.
2011521/14	2/18/19	V941901	To include model year 2019.
2011521/13	5/31/17	V941701	To include model year 2018.
2011521/1	8/1/03	V940301	Original publication.

Condensation and or water droplets visible on inside of exterior light lenses.

Note:

LED tail lights do not apply to this TSB.

Condensation does not affect performance of light assemblies.



Technical Background



Exterior light assemblies (headlights, taillights with incandescent bulbs, fog lights, turn signals) are vented and may collect moisture on their inner surfaces, depending on humidity and climatic conditions. The unfavorable condensation built up (Figure 1) visible to the customer is more common with modern exterior lights because of clear glass optics, however this condition will not have an impact on the functionality or durability of the component.

Figure 1

Environmental conditions that frequently cause condensation to build up on lens:

- Car washes
- Driving or parking in rain/snow
- Frequent short distance operation in wet weather

For headlight condensation that is due to environmental conditions, the affected lens surface should be cleared after approx. 30 minutes of light operation.

Production Solution

No production change required.

Service

In cases where larger water droplets have formed on the inside of the lens or significant amount of water has collected at the bottom of a light assembly, Figure 2:



Figure 2

- Check that the housing covers (Figure 3), are properly installed. If the housing covers are not fully seated in place, use compressed air (less than 30 PSI) to blow out the lens and recheck for leaks.



Figure 3

- Check for leaking seals, cracks in lenses or assemblies.

DO NOT replace light or lens assemblies unless damage is found.



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If damage to seals or cracks to lenses or assemblies are found:

- Follow normal repair procedures for this type of failure (provide photograph(s) with repair documentation for verification).

If the condition is determined to be condensation due to environmental conditions and no damages are found, explain to the customer the information provided in the Technical Background section above.

Warranty

Information only.

Required Parts and Tools

No Special Parts required.

No Special Tools required.

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.