

TECHNICAL BULLETIN
JTB00176NAS2
28 APR 2014



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NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Jaguar service facility to determine whether this bulletin applies to a specific vehicle.

This reissue replaces all previous versions. Please destroy all previous versions. Only refer to the electronic version of this Technical Bulletin in TOPIx.

Changes are highlighted in gray

SECTION: 417-01

Headlamp Internal Condensation

AFFECTED VEHICLE RANGE:

XF (X250)

Model Year: 2009-2013
VIN: R00001-S76018

XK Range (X150)

Model Year: 2007-2014
VIN: B00001-B52852

MARKETS:

NAS

CONDITION SUMMARY:

Situation: This bulletin is for information only; it provides acceptance standards relating to the level of headlamp internal condensation.

Cause: Condensation or 'misting' on the inside surface of the headlamp lens may be caused by natural condensation that can be expected under certain atmospheric conditions. Certain levels of condensation are deemed acceptable by Jaguar.



NOTE: Incorrect installation of a headlamp bulb cover, following bulb replacement, can lead to condensation forming on the interior surface of the headlamp lens. If incorrect installation of a bulb cover is determined to be the cause of the condensation, steps should be taken to dry out the lamps and ensure all covers are correctly installed. Condensation levels should be monitored to allow natural dissipation of the condensation.

Action: Should a customer express a concern for headlamp condensation, refer to the Service Instruction detailed in this bulletin for an explanation of Jaguar standards regarding headlamp condensation and additional steps to resolve the customer's concern.

PARTS:

No Parts Required

TOOLS:

No Tools Required

SERVICE INSTRUCTION:

Headlamp Condensation Standards

Atmospheric air containing water can enter the headlamp. When temperature and pressure conditions are conducive, condensation can occur. When condensation occurs, a thin film of water vapor 'mist' can form on the inside surface of the headlamp lens. Modern headlamps are not sealed tightly and are designed to equalize changes in pressure through open vents [XF: four vents per lamp; XK: two vents per lamp]. During a period of normal headlamp operation, the thin mist of condensation should clear, dissipating through the vents, as the lamp heats up. Condensation should typically clear from the pocket areas of the headlamp lens when the headlamp low and high beam functions are turned 'ON' with the engine running for a 30-minute period.

Determine if Headlamp Condensation is Warrantable



NOTE: Due to different packaging conditions on opposing sides of the vehicle, the amount of condensation within the lamps may differ. The rate at which condensation clears will also differ. The lamps should be left 'on' for the duration of the recommended drying time, regardless of whether one lamp has cleared ahead of the lamp on the opposing side of the vehicle. The hood should be left open to maximize air flow around the headlamp assemblies.



NOTE: Headlamps with light misting should not be renewed under warranty.

1. Open the hood. Turn the headlamp dip and main beam functions 'ON', and run the engine for 30 minutes. If water droplets still remain on the inside of the headlamp glass, the lamp should be renewed. If there is evidence of standing water within the headlamp unit, the unit will also need to be renewed (see TOPIX Workshop Manual, section: 417-01).
2. Ensure that all headlamp bulb covers are correctly installed and secure and that the rubber breathers are in place on each headlamp assembly.
3. Start the engine.
4. Turn the headlamps 'ON' [high beam setting].
 - Leave the engine running and the headlamp high beams 'ON' for a minimum of 30 minutes.

Headlamp Condensation Which May Be Covered By Warranty



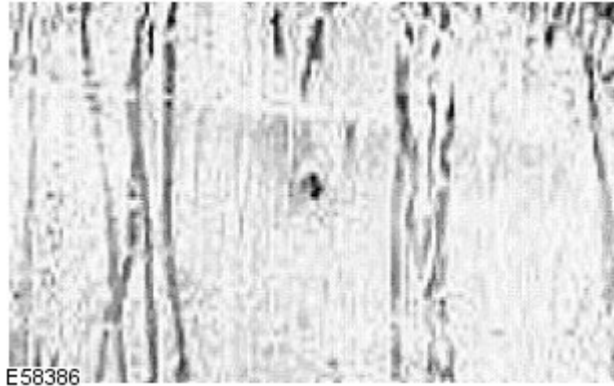
NOTE: Headlamps with light misting should not be renewed under warranty.

5. Large apparent visible droplets of water on the interior side of the headlamp lens.



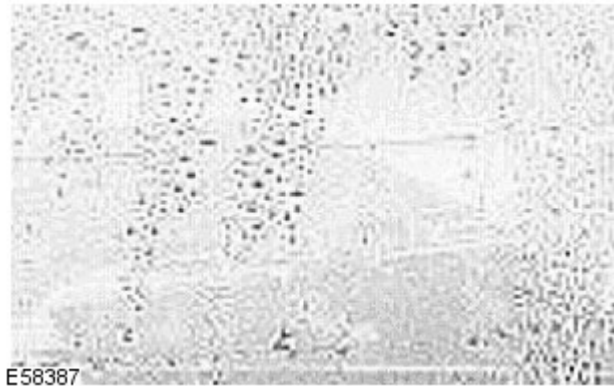
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6. Drip marks/streaks in the film of condensation on the interior side of the headlamp lens.



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- 7. Thick mist covering a majority of the interior of the headlamp lens. The mist also obstructs the view of the interior of the headlamp.



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