



HEADLIGHT ASSEMBLIES HAVE VISIBLE INTERNAL MOISTURE/CONDENSATION

MODEL

F01 (7 Series Sedan)	F02 (7 Series Sedan LWB)	F04 (7 Series Hybrid)	F06 (6 Series Gran Coupe)
F07 (Gran Turismo)	F10 (5 Series Sedan)	F12 (6 Series Convertible)	F13 (6 Series Coupe)
F15 (X5)	F16 (X6)	F22 (2 Series Coupe)	F23 (2 Series Convertible)
F25 (X3)	F26 (X4)	F30 (3 Series Sedan)	F31 (3 Series Sports Wagon)
F32 (4 Series Coupe)	F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)	F36 (4 Series Gran Coupe)
F48 (X1)	F80 (M3 Sedan)	F82 (M4 Coupe)	F83 (M4 Convertible)
F85 (X5 M)	F86 (X6 M)	F87 (M2)	G12 (7 Series Sedan)
I01 (i3)	I12 (i8)		

SITUATION

Water on the inside (A) or misting (B) of both headlight lenses that is visible from outside.



CAUSE

Water inside the headlights can be caused by two situations:

- Water/moisture ingress into the headlight housing.
- Thermal conditions that result in the formation of condensation.



Note: An important indication that the moisture issue is caused by “condensation”

rather than a “water leak” into the headlight housing, there will be misting/condensation in “both headlights.”

CORRECTION

- Dry out both headlights.
- **Only** if there is a permanent stain then replace the affected headlight.

PROCEDURE

Repair / Inspection Procedure

The procedure listed below will dry the headlights until the mist has been completely cleared, depending on condensation situation.

1. Remove light condensation/mist:

- Connect the battery charger to the vehicle. Always connect a BMW approved battery charger / power supply (SI B04 23 10).
- Open all accessible service covers that can be reached with headlights still installed.
- Turn on the high beam, until the condensation has cleared completely.
- This procedure will take about 30 min to dry both headlights.

Has all the condensation been eliminated?

YES- go to step 3.

NO – Continue with Step 2.

2. Remove remaining condensation:

- Remove both headlights follow ISTA repair procedure.
- Open all service covers.
- Using a hot air blower, dry out the headlight (to prevent damage to the headlight, the temperature must not exceed 80°C / 176 °F)

3. After the drying has been completed:

- Check that the headlight functions correctly.
- Check for dried water stains (for example, lime scale or dirty edges).

Are there permanent (dry) stains in the visible area?

YES- the affected headlight must be replaced.

NO – continue to Step 4.

4. Reassemble the light cover and attachment parts on the headlight ensuring the following:
 - The seals are firmly seated.
 - The rubber grommets are seated correctly on the ventilation openings.
5. Reinstall the headlight in accordance with Repair Instructions.



Attention: All headlights will be return to WPRC for verification and inspection.

Evaluate and compare the moisture in customer headlights to reference pictures (above) or examples in ISTA test module.

WARRANTY INFORMATION

This service information bulletin provides technical, diagnostic and/or repair-related information.

Eligible and Covered Work/Repairs

To submit a claim for the repair of a verified defect in materials or workmanship, please following the established and applicable warranty policy and procedures together with the using corresponding defect code and labor operations provided in the KSD2.

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