SI B63 05 16
Lights

June 2019
Technical Service

# HEADLIGHT ASSEMBLIES HAVE VISIBLE INTERNAL MOISTURE/CONDENSATION

This Service Information bulletin supersedes SI B63 05 16 **dated March 2018**

**What's new:**

• Minor procedure clarification

## MODEL

All

## 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" is that both headlights will be affected.**

## CORRECTION

- Dry out affected 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 moisture has been completely cleared, depending on condensation situation.

1. Remove light condensation:

   — 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 following ISTA repair procedure.

   — Open all service covers. **Note: For G01 and G02, with LED headlights, there are no service covers. The headlight vents can be removed to gain access for the following steps.**

   — For headlights with 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)

   —For headlights without service covers: Once the vents are removed, a compressed air blow gun can be used to dry the lights.

   **Note:**If any moisture is present in the compressed air line being used, a filter can be attached with tape to the end of the air blow gun to capture the moisture. Filter PN 13 32 1 277 497 can be installed in the correct direction of flow. A new filter must be used for each headlight.

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 service covers or vents 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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