



## HEADLIGHT ASSEMBLIES HAVE VISIBLE INTERNAL MOISTURE/CONDENSATION

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

What's new:

- Models changed to all
- Procedure change for G01 and G02

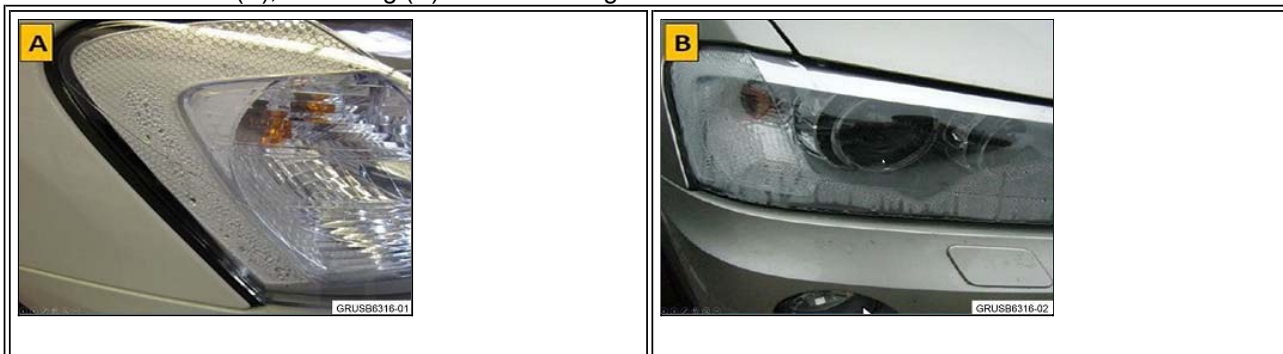
### MODEL

**UPDATE!**

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.



**UPDATE!**

**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

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

## PROCEDURE

### **UPDATE!** Repair / Inspection Procedure

**UPDATE!** 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. **UPDATE!** **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.**

**UPDATE!** - 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 / 176F)

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

**UPDATE!** **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, for example.

#### 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. **UPDATE!** 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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