



SI B63 05 16  
Lights

March 2018  
Technical Service

## HEADLIGHT ASSEMBLIES HAVE VISIBLE INTERNAL MOISTURE/CONDENSATION





New information provided by this revision is preceded by this symbol .

This Service Information bulletin supersedes SI B63 05 16 dated **November 2016**

### What's new:

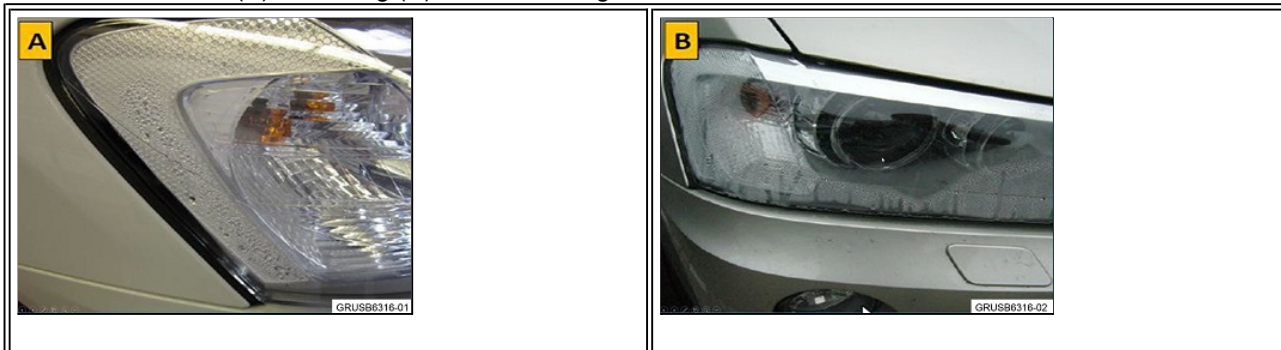
- Model- removing adding a new models to the list.
- Correction- the procedure should be follow to all BMW headlights in all BMW models

### **MODEL**

|  |  |  |  |
|--|--|--|--|
| F04 (7 Series Hybrid)  | F06 (6 Series Gran Coupe)  | F07 (Gran Turismo)   | F12 (6 Series Convertible)   |
| F13 (6 Series Coupe)   | F15 (X5)   | F16 (X6)   | F22 (2 Series Coupe)   |
| F23 (2 Series Convertible)   | 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)   |  G01 (X3) |  G30 (5 Series) |
|  G32 ( 6 Series Gran Turismo) |  F90 (M5) |  |  |

### 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.



**UPDATE!**

This Correction; Procedure and SI should be followed for all BMW headlights in all BMW models.

## 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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