

**SUBJECT****Moisture in LED Headlight****MODEL**

F01

F02

F04

Vehicles produced to November 11, 2012

With option 552 “Adaptive LED headlight”

**SITUATION**

Condensation or fog forms inside the LED headlight lens cover

**CAUSE**

Water enters the headlight from the headlight ventilation filter.

**PROCEDURE**

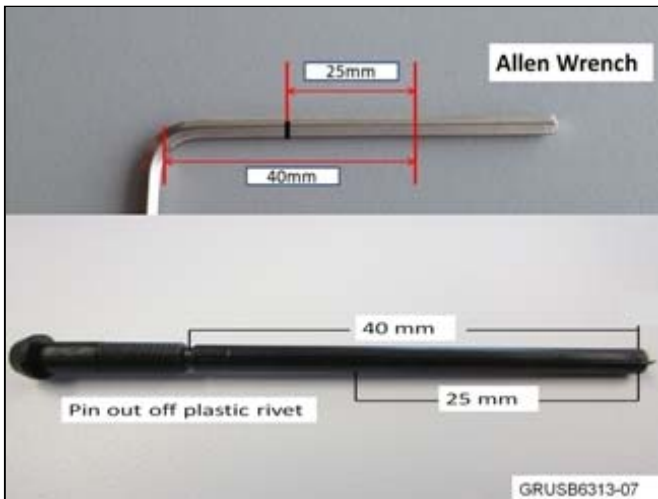
Do not replace the headlight. Follow the modification procedure below to remove the ventilation filter:

1. Remove the trim on the side panel of the hood. Refer to ISTA Repair Instruction, “REP 51 76 035 Engine bonnet-seal bracket.”

2. With a screw driver, remove the



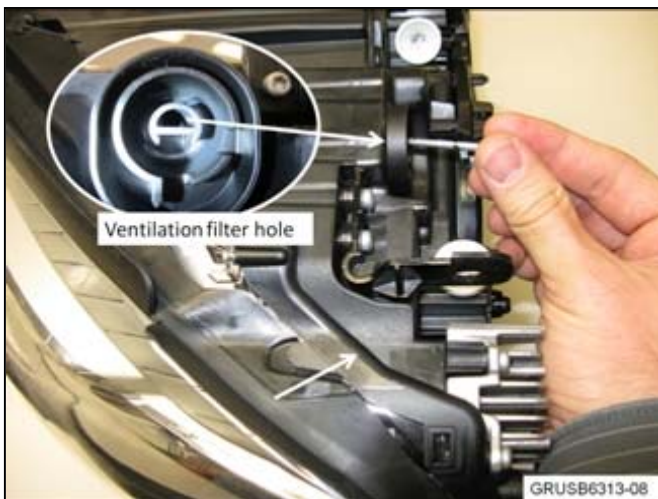
cap from the headlight as shown in picture.



3. To remove the headlight ventilation filter, use a 3 mm Allen wrench.

Note: A pin from a plastic body rivet which is 3 mm in diameter will also work.

4. The Allen wrench or plastic body rivet pin should be 40 mm long (allowable clearance for the tool in the vehicle). Mark 25 mm of the 40 mm length with paint or something similar: this is the depth limit inside the ventilation filter hole in order to remove the filter.



5. Insert the 3 mm diameter pin or Allen wrench 25 mm into the hole, displacing the filter as shown in the photo. Repeat this process several times. Note: The filter remains inside the headlight, but is no longer needed.
6. Perform this procedure for the other side.
7. Reinstall the cap and cover for both sides.
8. Drive the vehicle or leave the headlight on for about half an

hour, until the fog or condensation clears up.

#### WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty.

**Defect Code:** 63 12 02 48 00

#### Repairing One Side

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
51 76 035	Refer to KSD2	Removing and installing and replacing hood (bonnet) seal mount, left or right
and		
63 99 000	1 FRU	Work time to remove the ventilation filter on one side

Labor operation code 51 76 035 is a Main labor operation. If you are already using a Main labor code for another repair; use the Plus code labor operation 51 76 535 instead.

or

#### Repairing Both Sides

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
51 76 036	Refer to KSD2	Removing and installing and replacing hood (bonnet) seal mount, left and right
and		
63 99 000	2 FRUs	Work time to remove the ventilation filters on both sides

Labor operation code 51 76 036 is a Main labor operation. If you are already using a Main labor code for another repair; use the Plus code labor operation 51 76 536 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

Even though work time labor operation code 63 99 000 ends in “000,” it is not considered a Main labor operation.