

**SUBJECT****Blower Makes an Unusual Noise****MODEL**

F30

SITUATION

An unusual howling noise is heard coming from the glove compartment and passenger foot well area (blower motor).

CAUSE

Foreign material such as leaves may have entered the blower motor via the fresh air intake.

PROCEDURE

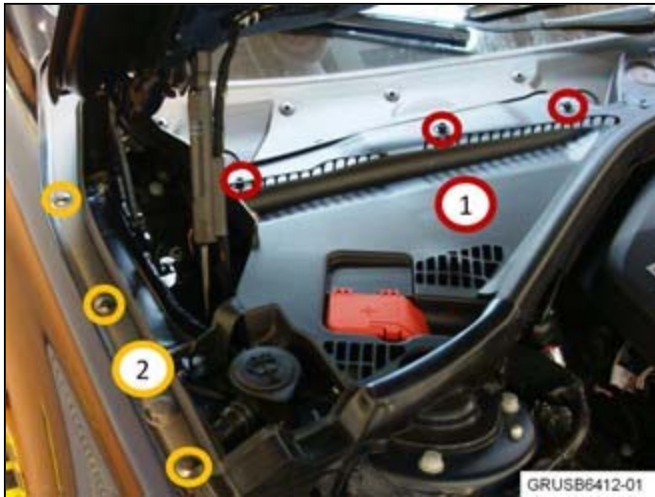
1. Using ISTA, perform a vehicle test and complete all test plans for related stored fault codes.

Note: When the ISTA system message displays: "Battery voltage only "XX.XX" V. Please connect charger". Note the displayed battery voltage reading in the repair order comments section.

2. If there are no fault codes stored and/or step 1 above does not resolve the issue, proceed with the steps below.
3. Perform and follow the recommendations in test plan AT6450_20GEBL – Blower output stage and blower motor. This test plan can be found as follows: *Activities / Information search / Function Structure / Body / Heating and air conditioning functions / Blower / Start search.*
4. If no debris or foreign material is found, repair the vehicle as per the test plan recommendations. Do not perform the steps listed below, as this SI no longer applies.
5. The steps listed below should **only** be performed if debris or foreign material is found in the blower motor.

6. Remove the cover (1) by loosening the three fasteners circled in red.

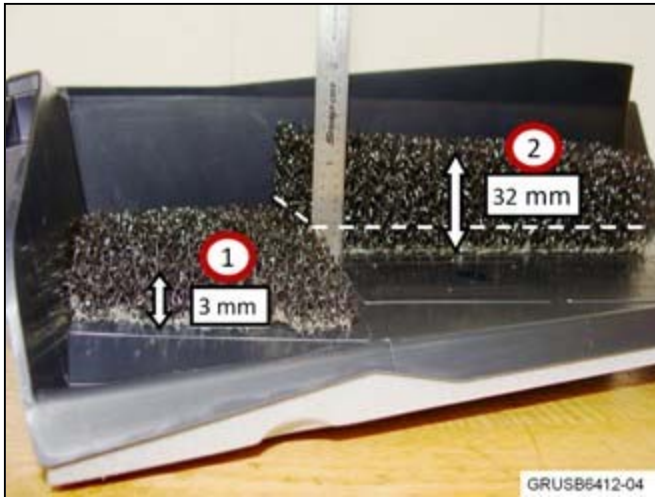
7. Remove the side panel trim piece (2) by removing the 3 expanding rivets circled in yellow.



8. The windshield cowl panel (3) must be loosened to better access the fresh air intake cover. Release the five fasteners circled in red.
9. Remove the expanding rivet shown by the arrow.



10. The fresh air intake cover (4) must be removed. Disconnect the sensor shown by the arrow and remove the two fasteners circled.



11. Place the fresh air intake cover on the work bench.
12. Using a utility knife, cut the foam material "2" to approximately the same height as section "1."



13. Install the air intake screen over the fresh air inlet, as shown. Make sure the screen is as shown on the inside of the "tabs" identified by the arrows.
14. Refer to the Parts section of this SI for the part number of the screen.



15. After installing the screen, verify the screen is installed as shown in this picture and the previous one. It must be in its original shape prior to installation. If it is deformed or kinked, it is not installed correctly.
16. Reinstall the fresh air intake cover; reconnect the sensor and the other parts removed or loosened.

PARTS INFORMATION

Part Number	Description	Quantity
64 31 9 296 394	Air intake screen	1

WARRANTY INFORMATION

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

Defect Code:	64 11 00 48 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
and if necessary, also		
61 21 528	Refer to KSD2	Charging battery
and if necessary, also		
61 00 006	Work time	Performing vehicle diagnosis – test module
and if necessary, also		
64 11 710	Refer to KSD2	Removing and installing or replacing blower for heater/air conditioner to check for and remove debris or foreign material (as instructed by the test plan)
and		
64 99 000	5 FRU	Work time to remove fresh air intake cover, modify foam material and install intake screen and reassemble (when debris or foreign material is found)

Labor operation code 00 00 006 is a Main labor operation. If you are using a Main labor code for another repair; use the Plus code labor operation 00 00 556 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 61 00 006 ends in “006,” it is not considered a Main labor operation.

Work time (WT) labor operation 61 00 006 requires an individual punch time.

Even though work time labor operation code 64 99 000 ends in “000,” it is not considered a Main labor operation.

Other Repairs

As outlined in the Procedure section “Step 1”, if performing the ISTA diagnostics and related test plans results with other **eligible and covered work**, claim this work with the applicable defect code and labor operations listed in KSD2.

Note: Please follow any TeileClearing or Diagcode requirements that may apply to this additional work.

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