SIB 64 03 21 2021-07-09

AIRFLOW RATE IN THE VEHICLE INTERIOR IS TOO LOW

This Service Information Bulletin (Revision 2) replaces SI B64 03 21 **dated July 2021.**

What's New (Specific text highlighted):

- Cause / Procedure sections – Borescope use added, LED/Flap operation correction

MODEL

E-Series	Model Description	Production Date
F97	X3 M Sports Activity Vehicle	From Start of Production (SoP)
F98	X4 M Sports Activity Coupe	
G01	X3 Sports Activity Vehicle	
G02	X4 Sports Activity Coupe	
G20	3 Series Sedan	

SITUATION

After replacing the microfilter during a previous service, the customer notices that the ventilation system airflow rate is noticeably less. This leads to perceived lower cooling power.

The customer may also notice that external odors enter the vehicle.

CAUSE

The fresh air flap can be over-driven (pushed past its normal end stop) when the microfilter is replaced. The regular opening and closing of the fresh air flap can no longer be guaranteed.

NOTE: To prevent this situation, when inserting the microfilter, it is essential to ensure that the air recirculation function on the air conditioning control panel is activated (fresh air (the top flap of 3) is in the closed position).

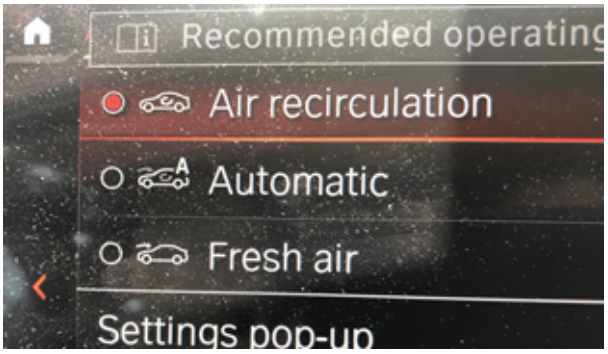
CORRECTION

Review the DCSnet Warranty Vehicle Inquiry and select the MP Claims (filter) button and/or the vehicle's history file to see if there was a recent prior microfilter replacement.

To rectify this concern, access the fresh air flap and determine if it can be returned to its normal position.

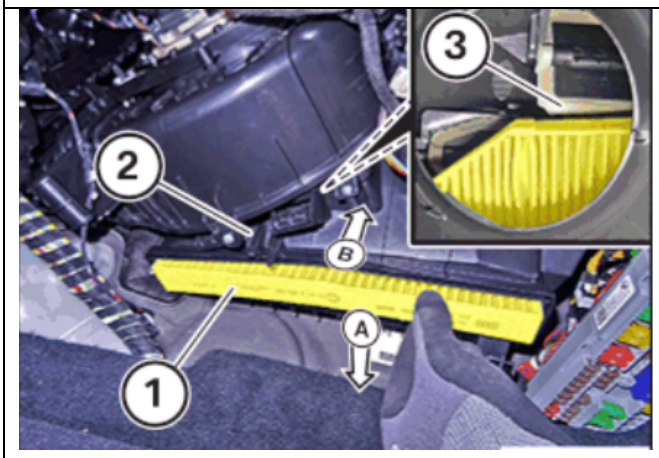
PROCEDURE

	1. Activate the air recirculation function by pressing the recirculation button on the climate control panel (Recirculation mode, circled), LED ON. This will close the top fresh air flap leaving the bottom two recirculation flaps open. NOTE: It is the top flap which is in danger of being damaged during microfilter service.
	2. This can be confirmed in the Central Information Display (CID) in the Climate



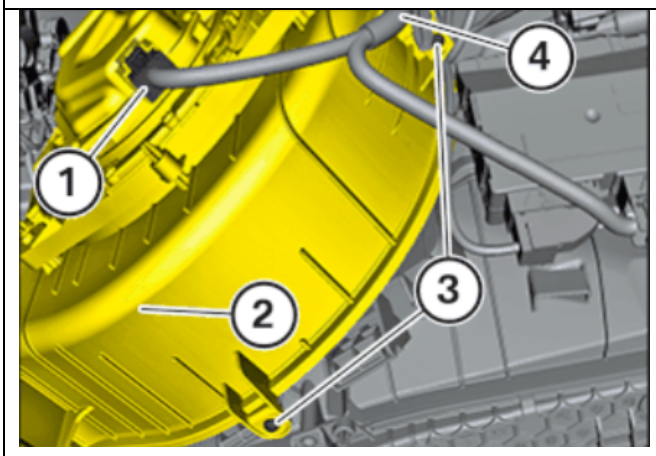
Control Menu (MENU A/C) under AIR QUALITY.

Ensure the flap is set to Air recirculation so the top flap (fresh air inlet) sits flat and does not interfere with microfilter removal.



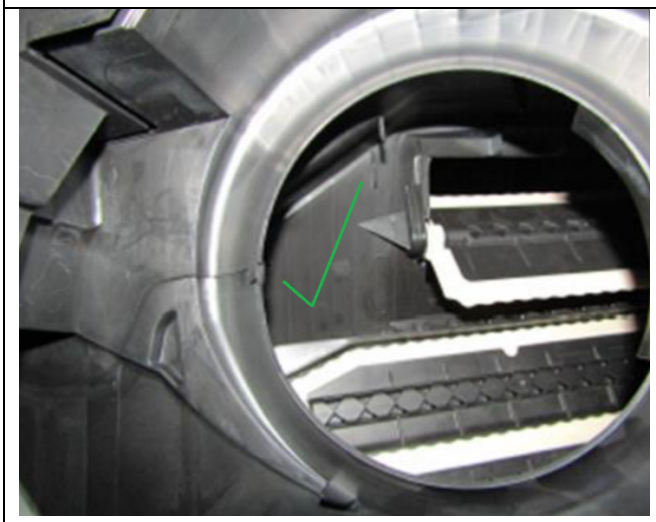
3. Dismantle the microfilter

See **REP 00 00 616** Service microfilter.



4. Remove the ventilation system blower motor.

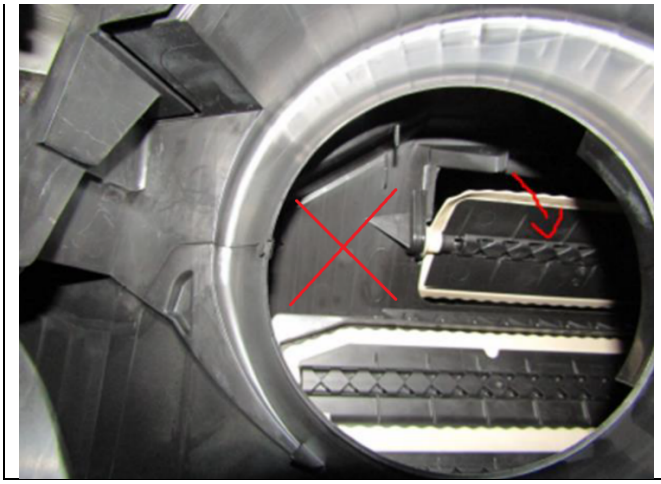
See **REP 64 11 213** Removing and installing/replacing heater/air conditioner fan.



5. Check correct position of the fresh air flap through the blower motor opening, or using a borescope from the microfilter opening (NOTE: This flap is the top of three flaps).

Activate and deactivate the fresh air/air recirculation function on the air conditioning control panel or CID menu and observe whether the functionality of the flap is OK.

If the flap system is OK, the vehicle can be reassembled.

	6. If the flap system is not OK, try to correct the flap by hand. See direction of arrow.

7. Once moved back past the end point, the flap ***may*** not function properly.
   - After moving flap manually, use the test plan ABL to re-initialize/address the stepper motor position
   - Allow vehicle to enter sleep mode after running the test plan prior to testing flap positioning
   - If still not operational, then you may have to remove the stepper motor to check for damage. Once repaired run the ABL to initialize the stepper motors and allow the vehicle to enter sleep mode before testing.

PARTS INFORMATION

This repair should not require parts replacement. Parts replacement must only be done if the flap is damaged.

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	**6411007600**	**Air conditioning housing/blower housing (incl. filter) contaminated/obstructed**
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Labor Operation	**Description**	**Labor Allowance**
00 00 006	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)	Refer to AIR
Or:		
00 00 556	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)	Refer to AIR
And:		
61 21 528	Support voltage of the vehicle electrical system / recharge vehicle electrical system battery	Refer to AIR
And:		
64 11 710	Removing and installing/replacing heater/air conditioner fan	Refer to AIR
And:		
64 99 000	Work time to dismantle the microfilter, correct the flap position by hand and testing the flap position.	4 FRU
And:		
61 00 006	Performing vehicle diagnosis – test module (re-initialize/address stepper motor position)	1 FRU

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006.

Refer to AIR for the corresponding flat rate unit (FRU) allowances.

Stepper Motor and/or Other Repairs

If other eligible and covered work is performed as a result of performing the ISTA diagnostics and related test plans, claim the consequential repair work with the defect code provided in this bulletin and/or the other repairs with the applicable defect code and the labor operations listed in AIR (including diagnosis).

Based on which one applies to your center, please refer to **SI B01 01 20 or B01 07 20** for claiming your diagnosis work time, job/repair work time (WT), RO/Claim WT and/or repair explanation procedures, unless otherwise required by State law.

QUESTIONS REGARDING THIS BULLETIN

Technical inquiries	Submit feedback at the top of this bulletin
Warranty inquiries	Please contact the Warranty department by either using the Live Chat that's available in the Warranty Documentation Portal or through IDS by selecting Coverage, Policy, Coding Questions and Mileage Corrections
Parts inquiries	Submit an IDS ticket to the Parts Department