





Foul Odor when Switching On A/C

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

This Service Information bulletin supersedes SI M64 02 14 **dated January 2016**.

MODEL

F56 (Cooper, Cooper S 2-door hardtop)	F55 (Cooper, Cooper S 4-door Hardtop)	 F54 (Cooper, Cooper S Clubman)
 Vehicles produced between: November, 2013 to February, 2016		

SITUATION


The customer reports a foul smell (musty, rotten, and vinegary) when the A/C is first turned on that lasts about five minutes.

CAUSE

Micro-filter position too low in the IHKA housing.

CORRECTION

Do not replace the evaporator!

-  Restore proper drainage flow from the evaporator and modify it.



Note: For only replacement the condensate drain hose follow SI M64 01 16 (Review repair history)

- Clean evaporator. Refer to ISTA REP 64 51 001 "Cleaning evaporator"
- Modify the new replacement micro-filters by raising the position of the micro-filters with respect to the IHKA housing

PROCEDURE

 If procedure # 1 was already performed before go directly to procedure # 2.

1. Check for proper alignment/ clearance for condensate drain:

- **Exterior (under vehicle)**

- A. The exhaust heat shield must not squash or damage the protruding condensate drain hose.
- B. There must be clearance between the heat shield and the drain.

- **Interior**

- A. **UPDATE!** Remove the side trims on both sides. Refer to ISTA REP 64 31 010 "Replacing micro-filter for interior ventilation"
- B. Check from the side whether the condensate drain is seated correctly against the A/C-housing (deformed/rolled/flipped at the top). The flange must be sealed uniformly around the drain hole of the A/C housing.
- C. Check if there is any saturation of the carpet from water around the drain.
- D. **UPDATE!** If deformation of the drain is seen, or there is water damage to the carpet, then the condensate drain must be replaced. Lower the exhaust and heat shield to access the A/C drain



UPDATE!

NOTE: Modify the new hose by cutting the flap and cutting the lower section

approximately 30 mm.

2. **UPDATE!** Remove the micro-filters from the IHKA housing following REP 64 31 010 "Replacing micro-filter for interior ventilation".
3. **UPDATE!** Clean the evaporator following repair Instructions 64 51 001 "Cleaning evaporator".

UPDATE!

Our recommendation is to use BMW Group products in the Special Tools parts number is 83 30 2413653 – (MINI lance/wand) with Spray Gun from SATA USA.

UPDATE!

Note- Procurement Information for Spray Gun - via telephone at 800-533-8016 or by Email - gs@satausa.com or jg@satausa.com:

- Dealer can order the spray gun directly from SATA and receive a 25% discount for a limited time.
 - Item #11072 – HRS Undercoat spray gun, Type 1, without wands.
 - Payment method - Credit card.
4. **UPDATE!** After cleaning, the evaporator needs to be flushed:
 - Self-flush the evaporator by parking the vehicle outdoors and let it run for 5 minutes with the A/C on and the windows open. Then turn the heat on Max for another 5 minutes.

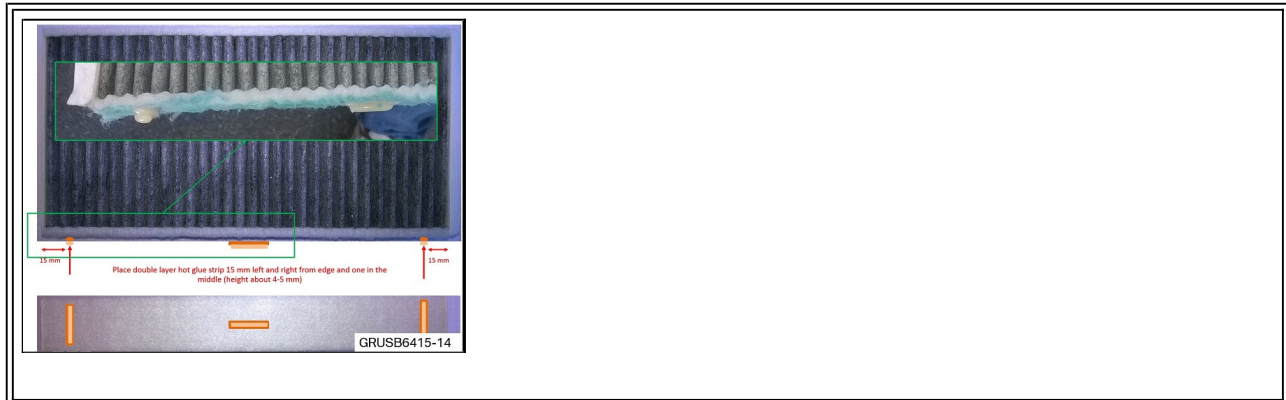
Or

- Flush the evaporator and housing with water using the MINI lance/wand also turn the heat on max with high blower speed for 5 minutes.

5. **UPDATE!** Modify the new replacement micro-filters by raising the position of the micro-filters with respect to the IHKA housing. Using hot glue gun and glue sticks (previously provided for MINI crash pads) as shown below.



Note: the old filter can be used as a future template for the hot glue dimensions.



6. **UPDATE!** All 3 hot glue applications must be double layered, be 15 mm long and have a total height of 4-5 mm. Placement of the hot glue must be in the exact locations shown to prevent complications with condensate water flow.



6. Allow the applied glue time to dry then then install the upper and lower micro-filters in the housing (REP 64 31 010).

PARTS INFORMATION

Part Number	Description	Quantity
64 11 9 321 876	Micro-filter set (option S530A)	1
Or:		

64 11 9 321 875	Micro-filter set carbon (option S534A)	1
And:		
64 11 9 262 789	A/C condensate drain	One as needed
83 19 2 180 507	A/C cleaner 1000ml (liquid to clean evaporator using the MINI lance/wand)	as needed
83 19 2 360 464	Odor remover 100 ml (spray for vents)	as needed

WARRANTY INFORMATION

Covered under the terms of the MINI New Passenger Car Limited Warranty

Defect Code:	64 51 00 78 00	
Labor Operation:	Labor Allowance:	Description:
64 99 000	4 FRU	Work time to check the flow of A/C condensate drain and the protruding portion of the condensate drain hose from underneath the vehicle (Main work)
Or:		
64 99 000	2 FRU	Work time to check the flow of A/C condensate drain and the protruding portion of the condensate drain hose from underneath the vehicle (Plus work – Vehicle already in the workshop)

And:

Replacing Microfilter (Non-MINI Maintenance Program Replacement Only)

Labor Operation:	Labor Allowance:	Description:
64 31 502	Refer to KSD2	Replacing Microfilter for passenger compartment ventilation Option Code 530 – Manual Air Conditioning or Option Code 534 – Automatic Air Conditioning
And:		
		Inspect to confirm that the flange is sealed uniformly around the drain

64 99 000	2 FRU	hole of the A/C housing and prepare new lower filter with hot glue gun and cool
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Note: See below when a MINI Maintenance Program Microfilter Replacement applies

And In-conjunction with the above, if necessary

Labor Operation:	Labor Allowance:	Description:
64 99 000	3 FRU	Work time to replace A/C condensate drain (Includes lowering the exhaust (not removal) and the heat shield to access the A/C drain

And:

Labor Operation:	Labor Allowance:	Description:
64 99 000	1 FRU	Work time to clean existing evaporator with BMW approved cleaner with lance/wand
And, if necessary		
64 99 000	2 FRU	Self-flush evaporator and housing

Claim work labor **operation code "64 99 000"** only one time for the total amount of labor that applies as listed above (FRUs).

Also, since the "work time" FRU allowances to be claimed are specified, separate punch times are not required.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Or when:

Replacing Microfilter (Under MINI Maintenance Program when Eligible)

Defect Code:	64 31 02 37 MP	
Labor Operation:	Labor Allowance:	Description:
00 00 616	Refer to KSD2	Microfilter service

Note: Please continue to claim the additional labor to:

- Inspect and confirm that the flange is sealed uniformly around the drain hole of the A/C

housing and prepare the “new” lower filter cartridge with the beads of glue (with the glue gun)

As listed above **without** the labor and the part number for replacing the microfilter:

Sublet – Bulk Materials

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the used quantify of repair-related bulk materials (PN 83 19 2 180 507 and 83 19 2 360 464. Please do not use part numbers for claim submission)
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Sublet reimbursement calculation for claiming the used quantities of repair-related bulk materials (PN 83 19 2 180 507 and 83 19 2 360 464) is at dealer net plus handling.

Enter this material cost in sublet and itemize the amount in the claim comment section.

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