



## Foul Odor when Switching On A/C

### MODEL

F48 (X1)	Vehicles produced to February 05, 2016
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### SITUATION

May be a foul smell (musty, rotten, and vinegary) when the A/C is first turned on that lasts about five minutes. Micro-filter position too low in the IHKA housing.

### CAUSE

Micro-filter position too low in the IHKA housing.

### CORRECTION

NOTE: Replacing the evaporator will not rectify the problem!

- Restore proper drainage flow from the evaporator and replace micro-filters.
- Raise the position of the micro-filters with respect to the IHKA housing.

### PROCEDURE

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

#### Exterior (under vehicle)

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

#### Interior

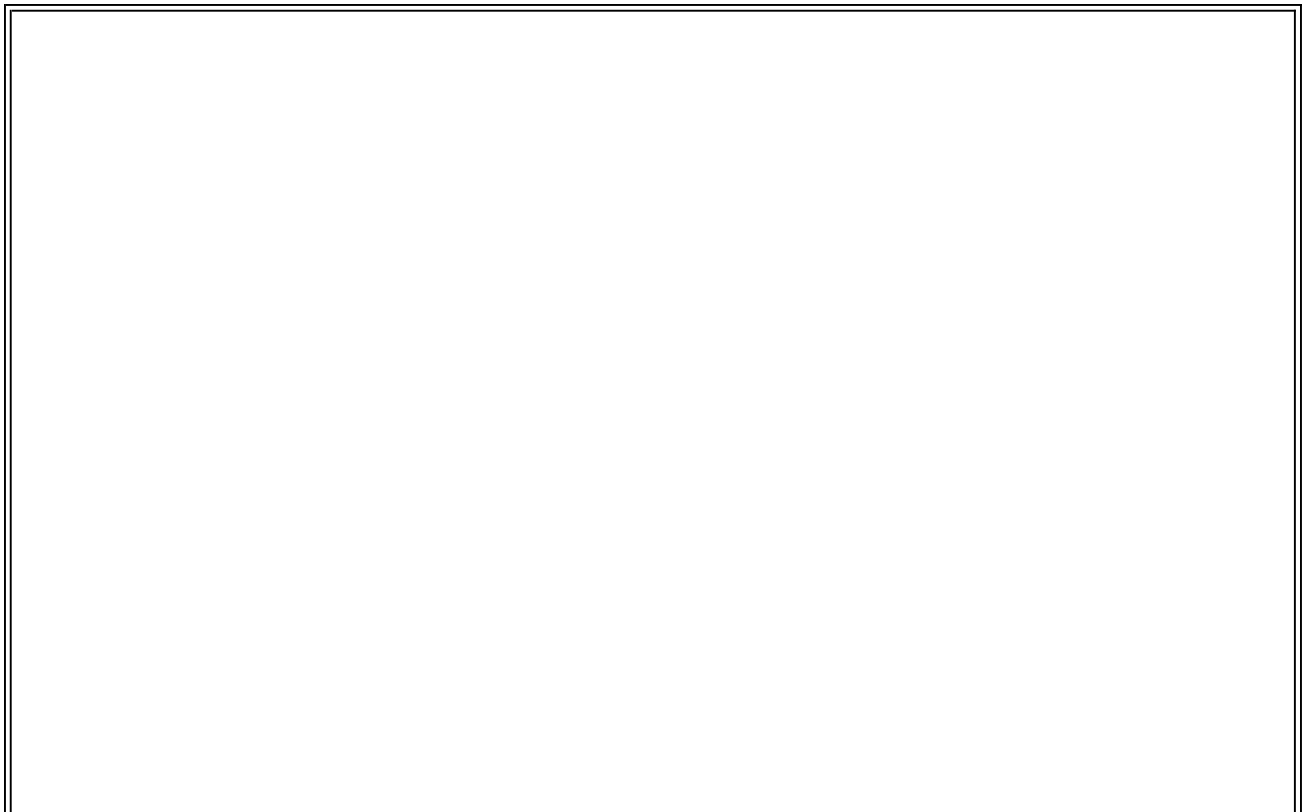
- Remove the driver and passenger side trims. (REP 51 45 ...) (Included in 64 31 010)
  - Check, from the side, whether the condensate drain is seated correctly against the A/C-housing (deformed/rolled/flipped at the top). The flange must be sealed uniformly around the drain hole of the A/C housing.
  - Check if there is any saturation of the carpet from water around the drain.
  - If deformation of the drain is seen or water damage to the carpet then the condensate drain must be replaced. Lower the exhaust and heat shield to access the A/C drain.
2. Remove the micro-filters from the IHKA housing (REP 64 31 010).

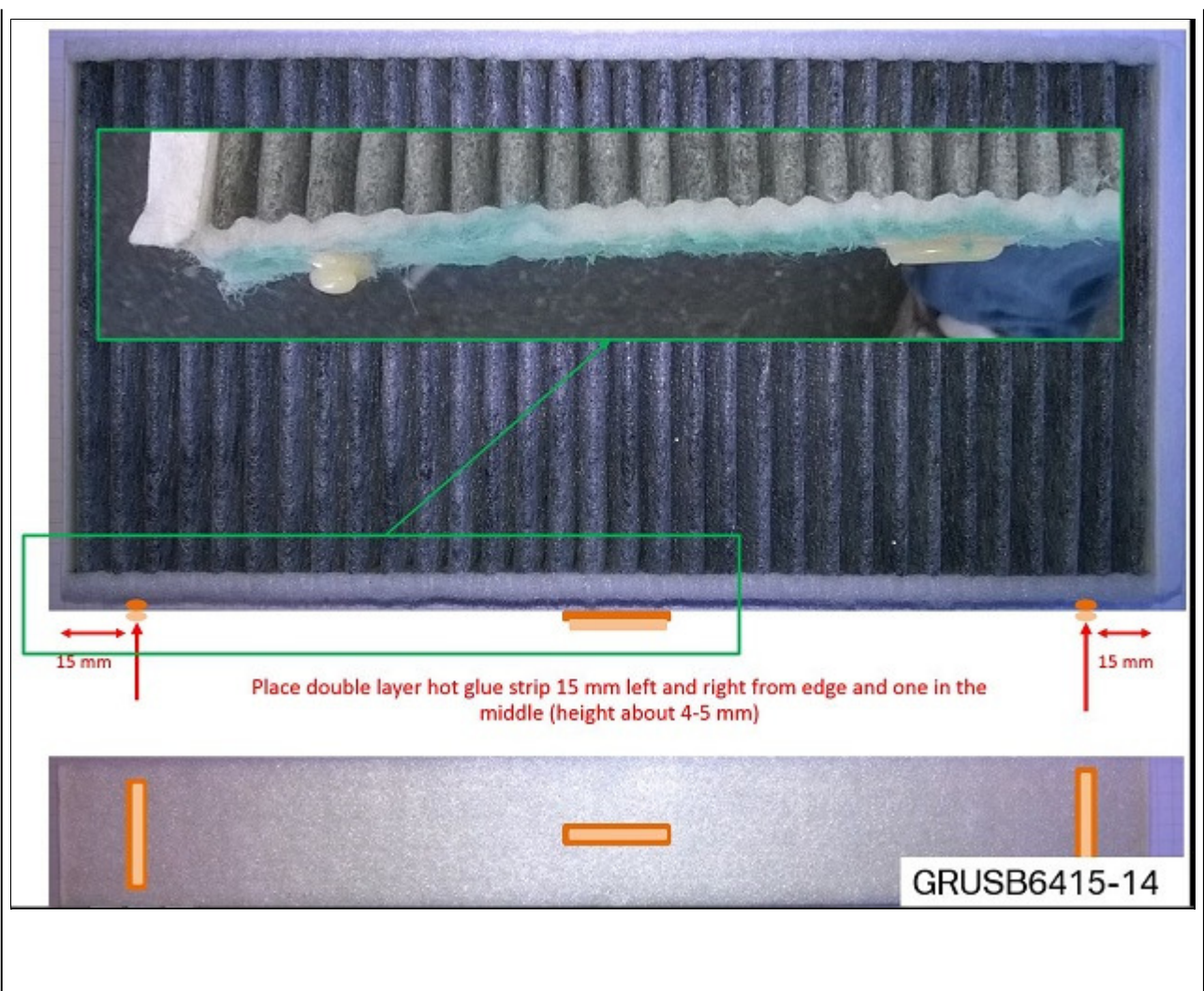
3. Clean the evaporator and housing using BMW lance/wand (83 30 2 413 653) with Spray Gun from SATA USA.

- Dealer can order the gun directly from SATA and receive a 25% discount for a limited time.
- Item #11072 – HRS Undercoat gun, Type 1, without wands.
- Payment method - Credit card
- Contact - via telephone at 800-533-8016
- Email - [gs@satausa.com](mailto:gs@satausa.com) or [jg@satausa.com](mailto:jg@satausa.com)

Use Repair Instructions 64 51 001 with the approved BMW Group products in the parts list below.

4. Self-flush the evaporator by parking the vehicle outdoors and let it run for 12 minutes with the A/C on and the windows open. The resulting condensation will flush out any remaining contaminants. If you are in a low humidity environment, flush the evaporator and housing with water using the BMW lance/wand.
5. Modify the new lower micro-filter, with hot glue gun and glue sticks (previously provided for BMW crash pads) according to description below, to provide offsets on the bottom, to prevent wicking of the water into the filter. NOTE-the old filter can be used as a future template for the hot glue dimensions.





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 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 SA 530)	1
Or:		
64 11 9 321 875	Micro-filter set carbon (option SA 534)	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	as needed

	BMW lance/wand)	
83 19 2 360 464	Odor remover 100 ml (spray for vents)	as needed

**WARRANTY INFORMATION**

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

<b>Defect Code:</b>	<b>64 51 00 78 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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-BMW Maintenance Program Replacement Only)

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
64 31 511	Refer to KSD2	Replacing Microfilter for passenger compartment ventilation Option Code 530 – Manual Air Conditioning or Option Code 534 – Automatic Air Conditioning
And:		
64 99 000	2 FRU	Inspect to confirm that the flange is sealed uniformly around the drain hole of the A/C housing and prepare new lower filter with hot glue gun and cool

**Note:** See below when a BMWI Maintenance Program Microfilter Replacement applies

And In-conjunction with the above, if necessary

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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:

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
64 99 000	1 FRU	Work time to clean existing evaporator with BMW approved cleaner with BMW lance/wand and sprayer from SATAUSA
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 (FRUs) that applies as listed above.

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 the BMW Maintenance Program when Due and Eligible)**

<b>Defect Code:</b>	<b>64 31 02 37 MP</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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) nu

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

**Sublet – Bulk Materials**

<b>Sublet Code 4</b>	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 your center's handling.

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

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