



SI B64 04 03
Heating and Air Conditioning

June 2018
Technical Service

AIR CONDITIONING SYSTEM HAS A MUSTY ODOR

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

This Service Information bulletin replaces SI 64 04 03 **dated February 2018**

What's New:

- Procedure: Adding new tool part numbers for additional models (E39/ E46/ E53/ E83/ G01/ G02/ G30 and G32)

MODEL

ALL

Vehicles are equipped with:

IHKR (Integrated heating and air conditioning) or IHKA (automatic heater and A/C-control)

SITUATION

A musty odor is noticed coming from the heating and air conditioning system.

CAUSE

Certain environmental conditions may cause microbial contamination on the evaporator which can produce a musty odor when the air conditioning system is used.

CORRECTION

Clean the evaporator.



PROCEDURE

For conditions that are similar to the situation described, the best option, if available, is to spray a disinfectant, under high pressure, directly onto the evaporator:

1. Before any cleaning procedure is carried out, the following points should be taken into consideration:

- Inspect the microfilters and replace as necessary.
- Inspect the microfilter housing water drains for clogging and clean as necessary.
- Some vehicles have recirculating air filters that need to be inspected and replaced as necessary.
- Make sure the evaporator housing drains are not clogged.
- Verify the source of the odor. Other issues that may cause an odor are:

o Vehicle interior carpet may be soaked because of a water leak.

o Water may have leaked into the trunk.

o Other strong-smelling items may be in the vehicle interior or trunk.

2. Check the following table for the model under service.

Model	Special Tool (Spray Lance) Order Part Number	ISTA repair instruction
E65/E66	83 30 0 495 515	REP 64 51 001 "Cleaning evaporator
E60/E61/E63/E64	83 30 0 494 833	REP 64 51 001 "Cleaning evaporator
E85/E86	83 30 0 494 840	REP 64 51 001 "Cleaning evaporator
E82/E88/E90/E91/E92/E93	83 30 0 494 960	REP 64 51 001 "Cleaning evaporator
E70/E71/E72	83 30 0 495 534	REP 64 51 001 "Cleaning evaporator
F01/ F02/ F04/ F06/ F07/ F10/ F12/ F13 /  G01/ G02	83 30 2 222 502	REP 64 51 001 "Cleaning evaporator
F22/ F23/ F30/ F31/ F32/ F33/ F34/ F36/ F80/ F82/ F83	83 30 2 344 001	REP 64 51 001 "Cleaning evaporator
I01	83 30 2 413 653	REP 64 51 001 "Cleaning evaporator
G12/  G30/ G32	83 30 2 411 757	REP 64 51 001 "Cleaning evaporator
 E39/ E46/ E53/ E83	83 30 0 493 893	REP 64 51 001 "Cleaning evaporator

Was a part number found for the Special tool required for application of the disinfectant directly onto the evaporator of this model?

YES – using the tool specified, follow the REP “Clean the Evaporator” for this model found in ISTA.

NO – go to next step.

3. Vehicles without a specified spray lance can be cleaned with an ultrasonic cleaner from Wynn's. Follow the attached “Ultrasonic Evaporator Cleaning” procedure.

PARTS INFORMATION

Part Number	Description	Quantity
81 45 9 429 217	Spray Gun	If needed
83 19 2 180 507	Air Conditioning Cleaner (use w/lance only) (1000ml)	As needed

The cleaning Part number 83 19 2 180 507 can be ordered from EXCELDA:

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WARRANTY INFORMATION

This service information bulletin provides technical, diagnostic and/or repair-related information.

The condition described in this bulletin is influenced by environmental and other external factors (dust, pollen, smoking, pets, etc.), therefore, corresponding repairs are not covered under the BMW limited warranties.

Posted: Wednesday, June 6, 2018

ATTACHMENTS

View PDF attachment [B640403 Attachment-Ultrasonic Evaporator Cleaning.](#)

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ULTRASONIC EVAPORATOR CLEANING

Introduction or Preparatory Items:

If desired, clean the heating and air conditioning system using the Wynn's Aircomatic Cleaning tool prior to proceeding with this procedure. Refer to SI **B04 30 03** on information on how to acquire the tool and the cleaning solutions. Or go BMW Center Solution from TIS: <http://www.bmwcentersolutions.com/equipment/product/5977>

Obtain the following items (available in EPC) to complete the cleaning procedure:

Part Number	Description
83 19 2 167 729	Aircomatic Ultrasonic Cleaner Set – Unit and fluid
83 19 2 409 611	Airco-Clean fluid
211-30208	Airco-Clean Liquid (12 x 3.3 oz. case)

Safety Precautions

- Always wear proper eye protection. The use of safety goggles or glasses, gloves and shop coat is recommended.
- Always set the vehicle's parking brake before any work is performed.
- Before starting the engine, check to be sure that the vehicle's fan blades, pulleys, belts and other moving parts are clear of any obstructions.

AIRCO-CLEAN A/C Treatment Application Procedure

1. Remove the vehicle's cabin microfilter.
2. Start the vehicle.
3. Switch off the heating/air conditioning system.
4. Set the temperature control to the lowest temperature.
5. (For IHKA) Switch off the automatic air distribution/supply.
6. Set the blower to its lowest speed.
7. Set the ventilation to the upper body area.
8. Set the air supply to recirculated air mode.
9. Shake the bottle of "Airco-clean" well.
10. Turn the "Aircomatic" system upside down and screw the bottle of "Airco-clean" into the unit, holding the bottle upright.
11. Turn the evaporator cleaning system upright again so that the contents of the bottle partially drains into it.
12. Set the evaporator cleaning system horizontally in the passenger-side footwell.
13. Connect the diffuser hose to the system.
14. Position the diffuser hose in such a way that the mist emitted is easily drawn into the recirculation intake vent. The hose must not be kinked.
15. Plug in the evaporator cleaning system's power cable. Spraying begins.
16. Close the vehicle's windows and doors as you exit the vehicle.



Note: Do not remain in the vehicle while the system is operating.

17. After about twenty minutes the treatment will complete and the unit will automatically shut off.

18. Open the doors and the windows to allow the vehicle to air for about five minutes.
19. Empty any remaining cleaner in the Aircomatic unit and rinse with water.



NOTE: In the unlikely event that the problem persists, the evaporator must be cleaned with a spray lance and cleaner.