



FOUL, MUSTY ODOR FROM HVAC: WET FOOTWELL CARPET

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

This Service Information bulletin replaces SI M64 01 11 **dated October 2017**.

What's New:

- Correction- Final software for the blower motor and flaps.
- Procedure: update the ISTA level and the I-Level for new programming.

MODEL

F54 (Cooper, Cooper S Clubman)	F55 (Cooper, Cooper S Hardtop 4 door)	F56 (Cooper, Cooper S Hardtop 2 door)	F57 (Cooper, Cooper S Convertible)
F60 (COOPER, COOPER S, COOPER WORKS)			

SITUATION

The customer reports one, or both, of the following:

- Damp front foot-well carpet after long period of air conditioning use.
- A foul smell (musty, rotten, and vinegary) when the A/C is first turned on for a short time.

CAUSE

The condensate drain hose is not properly draining the condensate from the vehicle.

The micro-filter is absorbing condensate water from the evaporator housing.


CORRECTION

- Restore proper drainage flow from the evaporator through the condensate drain hose



Note: In situation where it is required to remove and re-install drain hose; the video in this link must be

viewed: <http://tinyurl.com/V640617>

- Clean evaporator and install modified-design micro filters, if necessary
-  Final software change is available as of March 2018 with release ISTA 4.10.13 and integration level F056-18-03-512 or higher.



Note: The software adds the following new functions

- o When the engine is started up, the air blows out the footwell for 12 seconds (this directs any stale air away from the driver).
- o After switching the engine off the blower motor will run for up to 120 sec (this dries the evaporator and housing which prevents moisture from building up).

PROCEDURE

In order to effectively repair these vehicles, all the steps below must be completed. If a step is skipped the vehicle will return shortly with the same complaint.

1. Follow the attached repair procedure to check the evaporator drain:
"M640117_Drain_Hose_Check_Modification".
2. After the drain hose check and modification has been completed, recheck for proper condensate drainage from the vehicle.
3. Remove the micro-filters from the IHKA housing following:
4. Clean the evaporator following repair Instructions 64 51 001 "Cleaning evaporator"; see video in this link: tinyurl.com/j5ou9ae



Note:

Our recommendation is to use MINI Group products such as Special Tool part number is 83 30 2 413 653 – (MINI lance/wand) along with Spray Gun from SATA USA.

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.

5. After cleaning, flush the evaporator:

- 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.

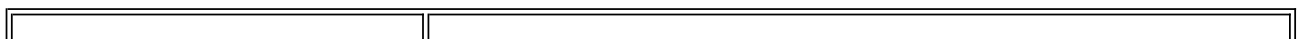
Then turn the heat on Max and blower fan on max speed for 5 to 10 minutes.

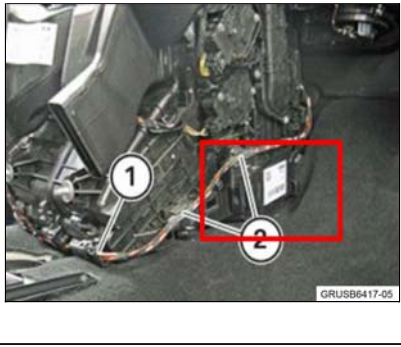



Or

- Flush the evaporator and housing with water using the MINI lance/wand.

Then turn the heat on Max and blower fan on max speed for 5 to 10 minutes

6. Replace filters with a new part number; see the below NOTE:



	<p> To select the correct micro filter you need to get the production date and manufacture from the printed label on A/C housing as shown.</p> <p>Reading the production date as: D.M.Y We have 2 manufactures UK or CZ The new micro filter is shorter and does not need a spacer.</p>
	

Evaporator Housing manufactured in CZ produced to January 24, 2016 (24.01.16)
or
Evaporator Housing manufactured in UK produced to February 01, 2016 (01.02.16)
The lower micro filter is already fitted with spacers and prevents absorption of condensation.
Use one of the below part numbers:
64 11 6823724 "Micro filter"
64 11 6823725 Option code SA 534 "MICROFILTER/ACTIVATED CARBON CONTAINER"


Evaporator Housing manufactured in CZ produced from January 25, 2016 (24.01.16)
or
Evaporator Housing manufactured in UK produced from February 02, 2016 (02.02.16)
The micro filter is shorter and does not need spacer.
Use one of the below part numbers:
64 31 6835404 "Micro filter"
64 31 6835405 Option code SA 534 "MICROFILTER/ACTIVATED CARBON CONTAINER"

7. Program the vehicle using  ISTA 4.10.13 or higher.

F54, F55, F56, F57, F60

Target integration level:  **F056-18-03-512** or higher

Note that ISTA 4 will automatically reprogram and code all programmable control modules that do not have the latest software.

 Note: The new software changes the airflow from center vents to the foot well vents for the first 20 seconds after startup.

Always connect a MINI approved battery charger/power supply ([SI M04 08 09](#)).

For information on programming and coding with ISTA 4, refer to CenterNet / TIS / Technical Documentation /

Diagnostics and Programming / Programming Documentation.

SPECIAL TOOL

Part Number	Description	Quantity
83 30 2 413 653	Spray Lance	1

PARTS INFORMATION

Part Number	Description	Quantity
Evaporator Housing manufactured in "CZ" before 24/01/2016		
With option code SA 530		
64 11 6 823 724	Micro-filter	1
With option code SA 534		
64 11 6 823 725	Micro-filter/Activated Carbon Container	1
Evaporator Housing manufactured in "CZ" on 24/01/2016 or after		
With option code SA 530		
64 31 6 835 404	Micro-filter	1
With option code SA 534		
64 31 6 835 405	Micro-filter/Activated Carbon Container	1
Evaporator Housing manufactured in "UK" before 01/02/2016		
With option code SA 530		
64 11 6 823 724	Micro-filter	1
With option code SA 534		
64 11 6 823 725	Micro-filter/Activated Carbon Container	1
Evaporator Housing manufactured in "UK" on 01/02/2016		

or after		
With option code SA 530		
64 31 6 835 404	Micro-filter	1
With option code SA 534		
64 31 6 835 405	Micro-filter/Activated Carbon Container	1
Part Number	Description	Quantity
64 11 9 262 789	A/C condensate drain	1
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 as applicable.

Defect Code:	6411333200	Heating and air-conditioning unit condensation drainage hose; deformed / warped / buckled
Labor Operation:	Labor Allowance:	Description:
64 99 000	5 FRU's	Work time to check water leak and modify the condensation drain hose
or		
64 99 000	6 FRU's	Work time to check water leak, install and modify condensate drain.

Work time labor operation code 64 99 000 is not considered a Main labor operation. Also, since the "work time" FRU allowance to be claimed is specified, a separate punch time is not required.

Replacing Micro-filter and cleaning / Flushing evaporator (Non-MINI Maintenance Program Replacement Only)

Defect Code:	6431027600	Micro-filter housing, soiled / blocked up
Labor operation:	Labor Allowance:	Description:
64 31 502	Refer to KSD	Replacing Microfilter for passenger compartment ventilation Option Code 530 – Manual Air Conditioning or Option Code 534 – Automatic Air Conditioning
64 99 000	4 FRU's	Work time to clean existing evaporator with BMW approved cleaner with lance/wand and flush evaporator and housing

Claim work labor **operationcode "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.

Note: Replacing Microfilter under MINI Maintenance Program does not need any modification use the updated parts.

And

Labor Operation:	Labor Allowance:	Description:
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as “Charging battery”)
And:		
61 00 730	Refer to KSD2	Programming / encoding control unit(s)
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module

Vehicle Programming and Coding

Control module failures that occur during programming:

- Please claim these consequential repairs under the defect code listed in this bulletin and use the applicable KSD2 labor operations.

Other Repairs

Control module failures that occur prior to programming:

When covered under an applicable limited warranty, claim these repairs using the applicable defect code and labor operations in KSD2.

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.

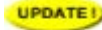
Posted: Monday, June 11, 2018

ATTACHMENTS

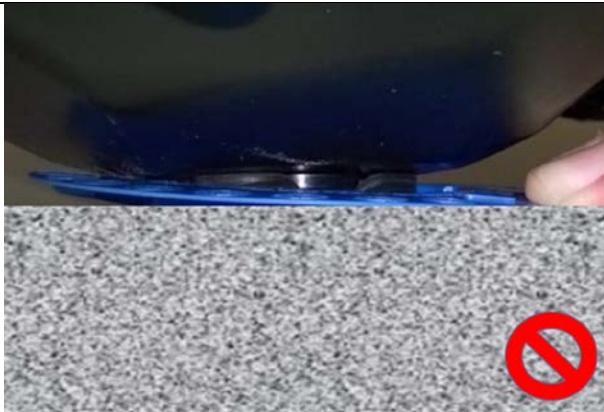
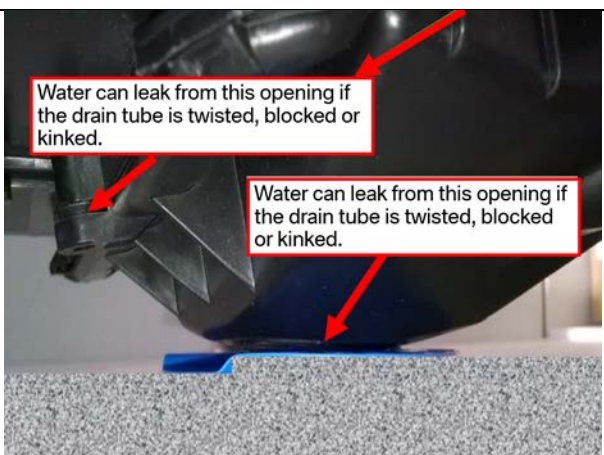
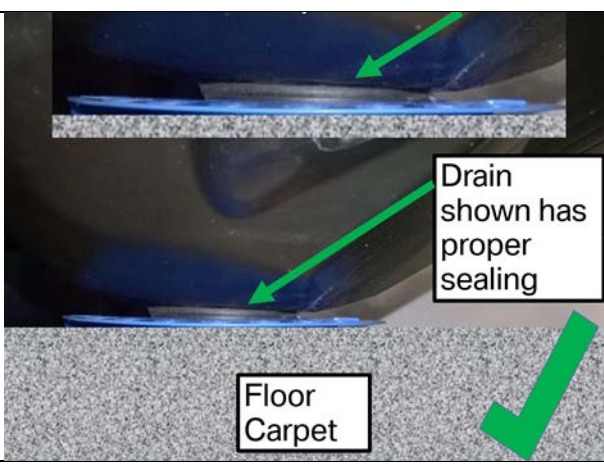

View PDF attachment [M640117 Drain Hose Repair](#).

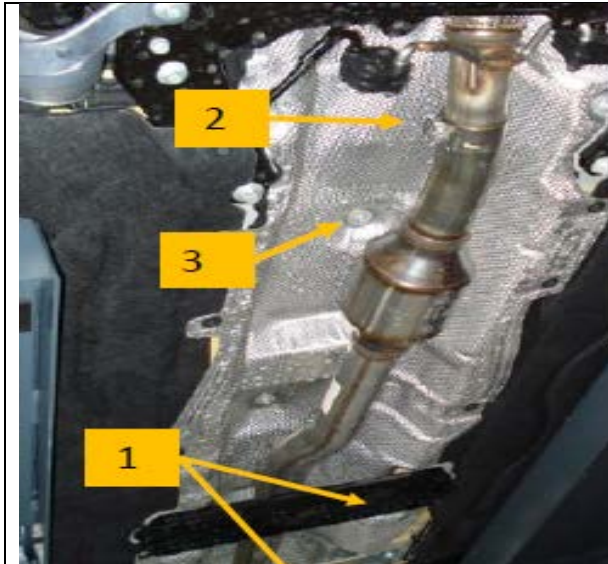
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New information provided by this revision is preceded by this symbol



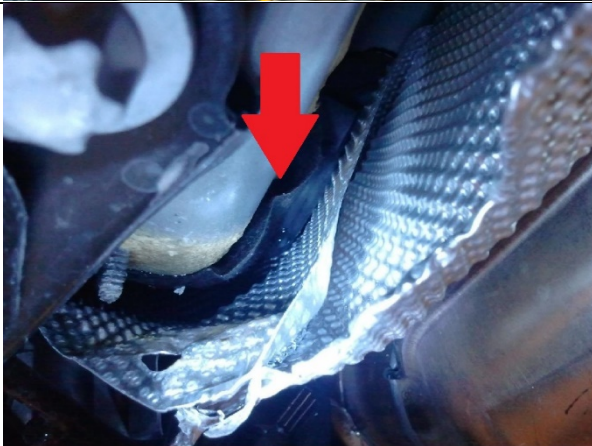
	<p>1. Inspect the condition of the drain hose. A. In the interior of the vehicle:</p> <ul style="list-style-type: none"> i. Use Repair Instruction 51 45 ... and remove center console trim on both sides. <ul style="list-style-type: none"> a. Release screw (1). b. Release side center console trim panel (2) from retaining clips (3). c. Feed out center console side trim panel (2) from guides (4) and remove.
	<ul style="list-style-type: none"> ii. Locate IHKA housing A/C condensate drain by removing passenger side console foot well trim. iii. Press carpet down using a nylon lever to expose drain.
	<p>Drain shown is twisted and deformed.</p>

	<p>This close up shows drain incorrectly installed.</p>
	<p>Water leaks can occur in these areas causing the molding smell from carpet.</p>
	<p>A correct drain installation is shown.</p> <p>UPDATE!</p> <p> Note: In situation where it is required to remove and re-install drain hose; the video in this link must be viewed: http://tinyurl.com/V640617</p>



B. On underside of vehicle:

- i. remove brackets (1) and heat shield screws (2) and (3) above exhaust.



- ii. Remove the clamp and support exhaust to expose the drain.
- 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 (2).

Considering both interior and exterior condition, is the drain undamaged and correctly installed?

YES- Make the modifications shown in the next step to the end of the installed drain hose.

NO – Prepare a new drain hose for installation as shown in the next step.



	<p>2. Prepare (modify) drain by cutting the flap and lower section approximately 30 mm. This will prevent future blockage.</p> <p>Were modifications were made to the previously installed part? YES- Go to step 5. NO – Continue to next step.</p>
	<p>3. Before installing new drain, lubricate (silicone spray) top of drain shown by the yellow ring.</p> <p>4. Make sure the drain is not deformed and install parallel to the floor and carpet.</p>
	<p>A correct drain installation is shown.</p> <p>5. Install all removed parts.</p>