



This Service Information bulletin supersedes SI B64 06 13 **dated May 2015.**

NEW designates changes to this revision

SUBJECT

A/C Cooling: Intermittent Reduction of Air Flow

MODEL

F30 (3 Series Sedan)

F31 (3 Series Sports Wagon)

F32 (4 Series Coupe)

F34 (3 Series GranTurismo)

NEW F80 (M3 Sedan)

NEW F82 (M4 Coupe)

NEW F83 (M4 Convertible)

NEW Produced from July 5, 2012

NEW SITUATION

Customer may complain of reduced air flow when the air conditioning system is operated for an extended time, usually longer than 30 minutes.

NEW INFORMATION

Possibility of reproducing this situation is improved by the following conditions

- High outside ambient temperature
- High humidity

Note: It is very difficult to duplicate this issue.

The fault may be reproduced under the following conditions:

- Air-conditioning system switched on
- Driving Experience switch NOT set to Eco Pro
- Slower fan speeds
- Temperature setting below 68°F (20°C)
- Trip duration at least 30 minutes

- Outside temperature above 68°F (20°C)

NOTE: After parking the vehicle or switching off the air-conditioning system for at least 20 minutes, the symptom disappears (ice melts off evaporator and puddles under the car from the A/C drains.).

CAUSE

Evaporator starts to freeze up due to the position of the evaporator temperature sensor

NEW CORRECTION

Install a new evaporator temperature sensor adapter or perform a conversion in ISTA/P.

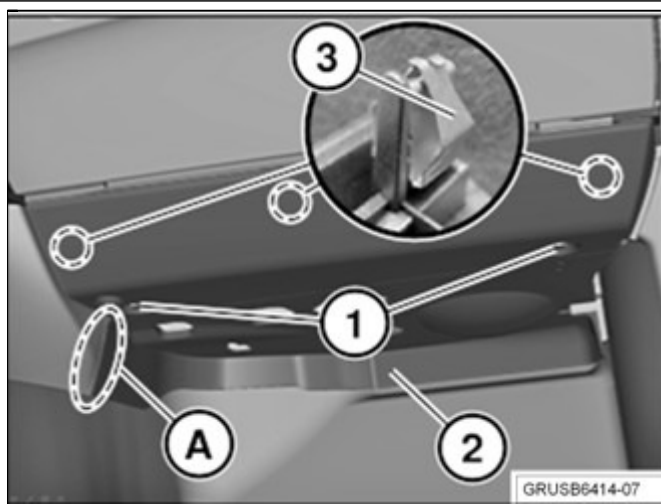
PROCEDURE

NEW Repair procedure for vehicles produced to May 31, 2014.

NEW Use Repair Instructions REP 64 11 943



1. Remove the passenger's side footwell cover trim (the bottom instrument panel trim).



2. Remove both screws at connection (1).

Note: With the knee airbag, also remove both nuts (1).

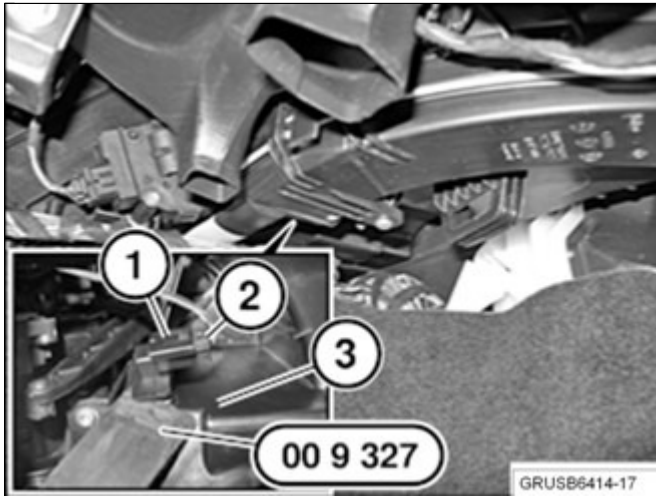
Tightening torque is 5Nm.

Release the trim panel (2) at clamps (3). Feed out the trim panel (2) in area (A) toward the bottom.

Lower the trim panel (2) slightly and disconnect the plug connections behind it.

Installation note: Feed in the trim panel (2) in area (A) correctly behind the center console.

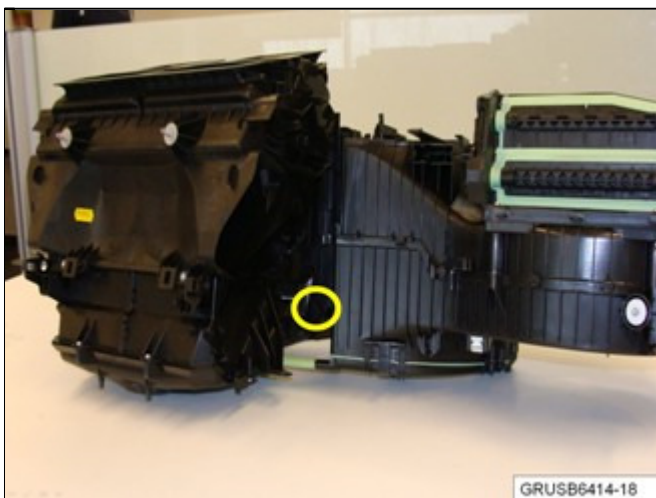
Clamps (3) must not be damaged.



3. Disconnect the plug connection (2). Unclip the evaporator temperature sensor (1) with special tool 00 9 327 from the heating and air conditioning unit (3), and remove.

Installation note:

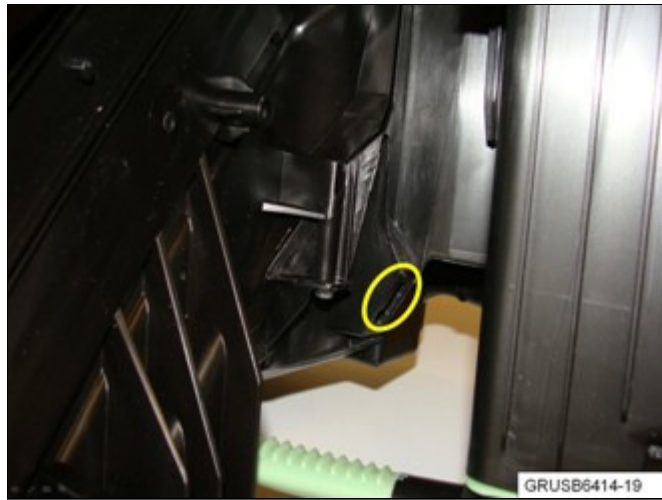
Ensure the evaporator temperature sensor (2) is correctly seated.



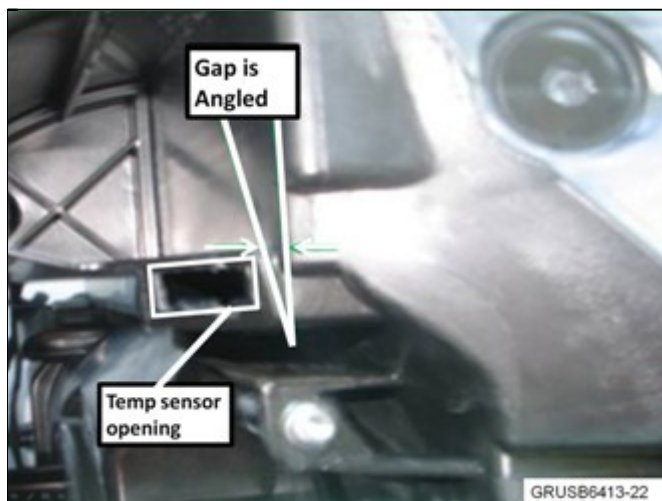
4. The IHKA housing (removed for clarity) shown is viewed from the passenger's side. The circle shows the approximate location of the evaporator temperature sensor.

5. The close-up picture shows the exact location (circle) of the sensor opening. The following steps will be performed from the lower passenger's footwell area at the bottom of the IHKA housing.

Note: As a reference point, the evaporator temperature sensor is located just above the white

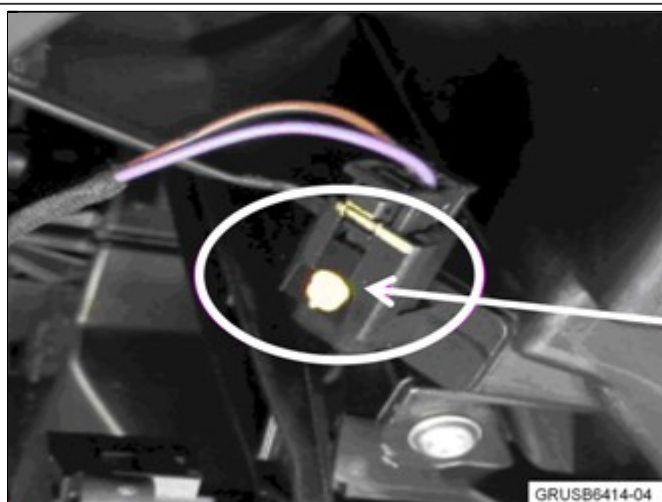


ribbed rubber water drain hose, when viewed from below.



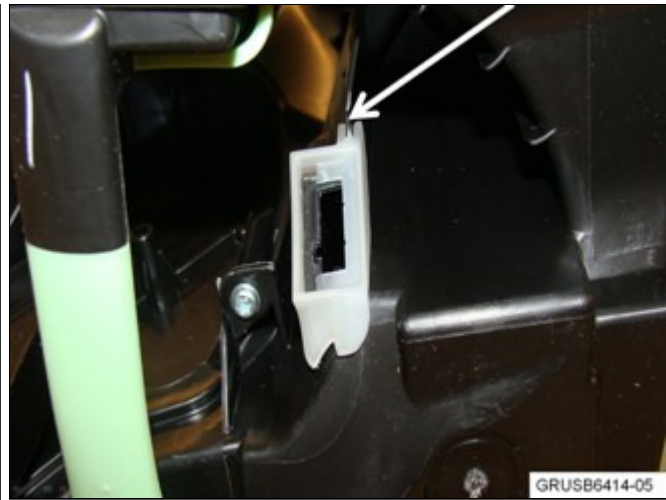
6. Locate the evaporator temperature sensor opening (sensor removed for clarity). Check the gap between the sensor opening and the evaporator case. If the sensor opening contact surface is slightly angled as shown, this housing is **NOT** affected by this repair procedure. In this case, proceed with normal A/C diagnostic procedures.

If no gap exists proceed to the next step.



7. Check for a marking on the electrical connector. If a mark is seen or **NO** gap exists, the IHKA housing must be modified.

Do not replace any parts. The repair procedure includes installing a new adapter to correct the gap.



8. Insert the new adapter firmly into the sensor opening, as shown.

Note: The arrow shows the slot in the adapter that is properly fitted into the raised rib of the housing.



9. Insert the temperature sensor through the opening in the adapter, and push in firmly.
Note: The temperature sensor is keyed and will only fit one way.

Installation note:

Ensure the evaporator temperature sensor is correctly seated.

Install all removed parts in the reverse order of their removal.

NEW Repair procedure for vehicles produced from June 1, 2014.

NEW Perform a conversion in ISTA/P “Activate conversion to raise the minimum evaporator temperature”

PARTS INFORMATION

Part Number	Description	Quantity
64 11 9 350 495	Evaporator temperature sensor adapter	1

NEW WARRANTY INFORMATION

Vehicles produced to May 31, 2014.

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

Defect Code:	64 11 79 40 00	

Labor Operation:	Labor Allowance:	Description:
64 99 000	4 FRU	Work time to check IHKA housing and install the evaporator temperature sensor adapter (Main work)
OR:		
64 99 000	2 FRU	Work time to check IHKA housing and install the evaporator temperature sensor adapter (Plus work - vehicle already in the workshop)

Or for:

Vehicles produced from June 1, 2014

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Defect Code:	64 11 23 02 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)
And:		
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)

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

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

Vehicle Programming and Encoding

If a control module was working properly and it fails to program correctly or requires initialization, please claim this additional work with the applicable KSD2 labor operations under the defect code listed above.

The diagnosis and repair of vehicles “arriving” with failed control modules or stored faults which will cause them to fail during programming cannot be claimed under the defect code listed in this bulletin.

Other Repairs

If other eligible and covered work is performed “prior” to programming and coding the vehicle, claim this work with the applicable defect code and labor operations listed in KSD2.

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