



SIB 64 06 13

2019-08-26

A/C COOLING: INTERMITTENT REDUCTION OF AIR FLOW

This Service Information Bulletin (Revision 9) supersedes SI B64 06 13 dated June 2017.

What's New:

- Model F36 (4 Series Gran Coupe) added

MODEL

F22 (2 Series Coupe)	F23 (2 Series Convertible)	F30 (3 Series Sedan)	F31 (3 Series Sports Wagon)
F32 (4 Series Coupe)	F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)	F36 (4 Series Gran Coupe)
F80 (M3 Sedan)	F82 (M4 Coupe)	F83 (M4 Convertible)	

Produced from July 5, 2012 thru the respective end of production.

SITUATION

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

CAUSE

The evaporator starts to freeze up due to the position of the evaporator temperature sensor.

CORRECTION

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

PROCEDURE**Repair procedure for vehicles produced to September 30, 2013:**

Use Repair Instructions REP 64 11 943



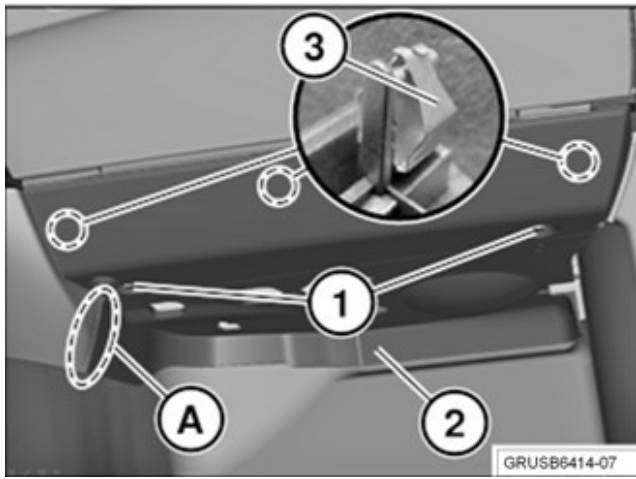
1. Remove the passenger's side footwell cover trim (the bottom instrument panel trim).

2. Remove both screws at connection (1).

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

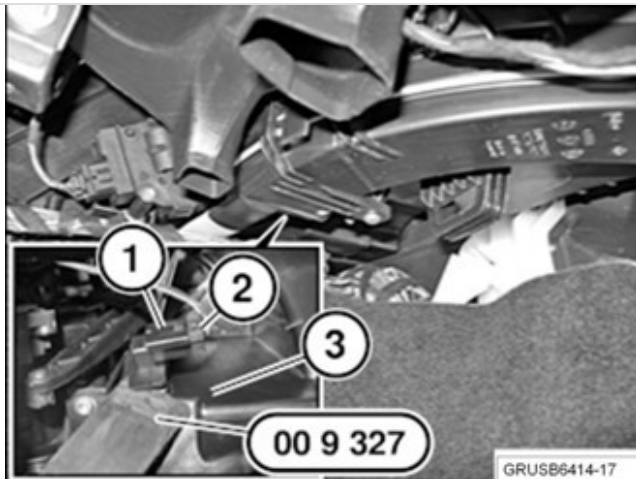
Tightening torque is 5Nm.

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.

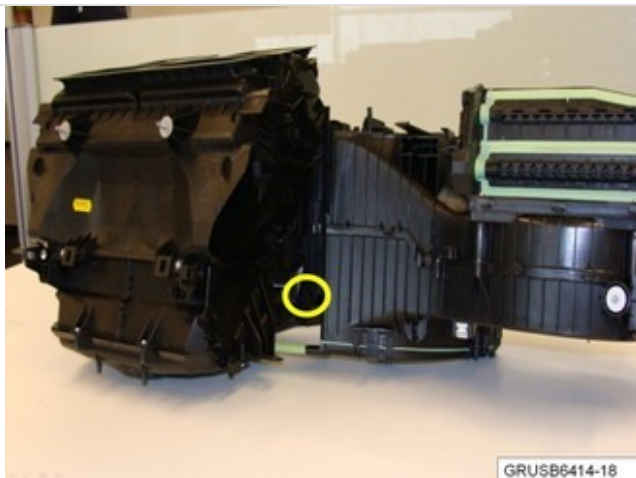


3. Disconnect the plug connection (2).

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.

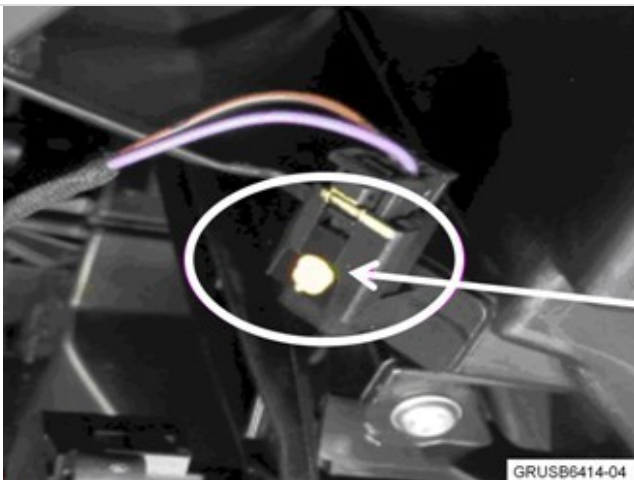
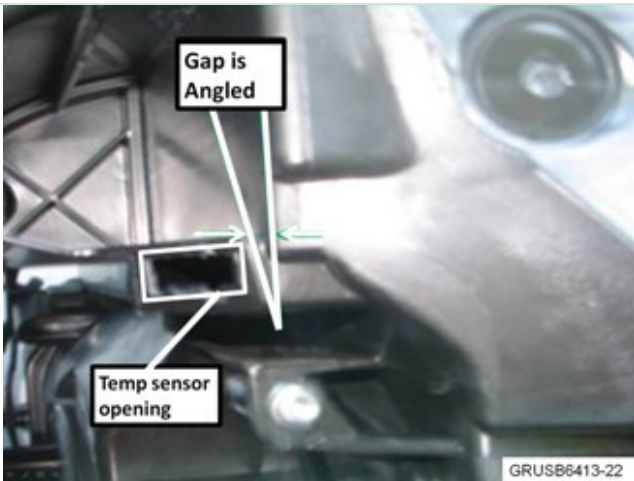
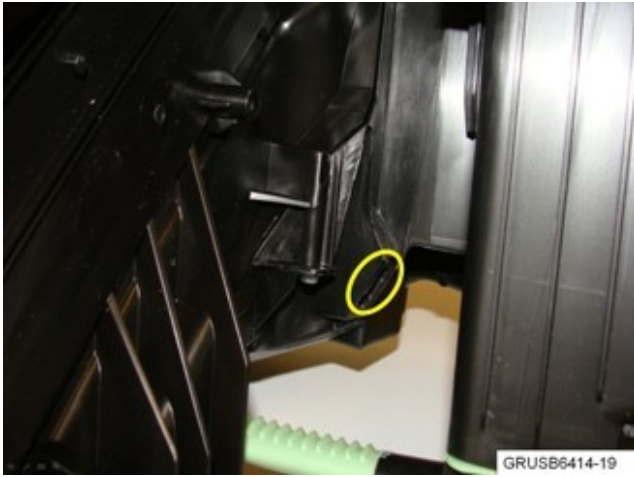


4. The IHKA housing (removed for clarity) shown is viewed from the passenger's side.

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.

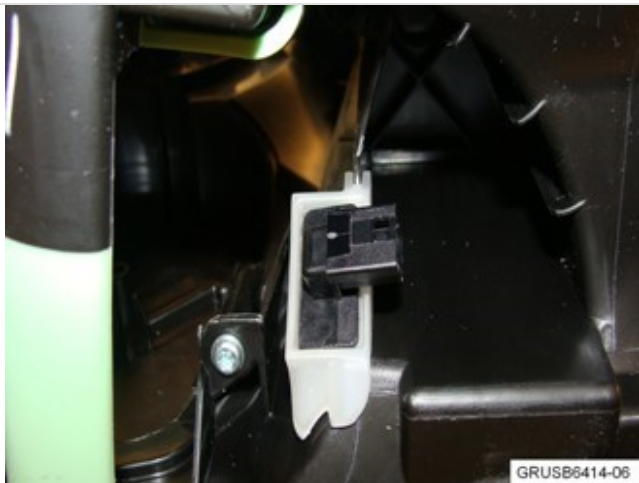
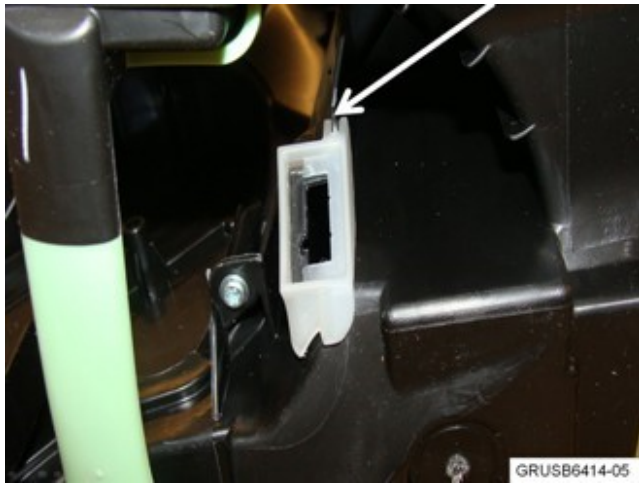
7. Check for a marking on the electrical connector.

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.

Repair procedure for vehicles produced from October 1, 2013:

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

PARTS INFORMATION

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in either ETK or AIR which takes into account specific equipment and/or options.

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

WARRANTY INFORMATION

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

Defect Code:	6411794000	
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 on or after October 1, 2013.

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:	6400315900	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
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 of 00 00 006.

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

Vehicle Programming and Coding

ISTA automatically reprograms and codes all vehicle control modules that do not have the latest software. If one or more control module failures occur "during" this programming procedure:

- Please claim this "consequential" control module-related repair work under the defect code listed in this bulletin with the applicable KSD2/AIR labor operations.

Other Repairs

Control module failures that occurred "prior" to performing this programming procedure:

- When "covered" under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations in KSD2/AIR.