

**SUBJECT****A/C Cooling: Intermittent Reduction of Air Flow****MODEL**

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SITUATION

The customer may complain of reduced air flow when the air conditioning system is operated for an extended time, usually longer than one hour.

The complaint can vary due to one or more of the following variables:

- High outside ambient temperature
- Too much humidity
- A/C temperature and fan settings set too low for too long

Note: It is very difficult to duplicate this issue due the required outdoor weather conditions and length of driving time needed.

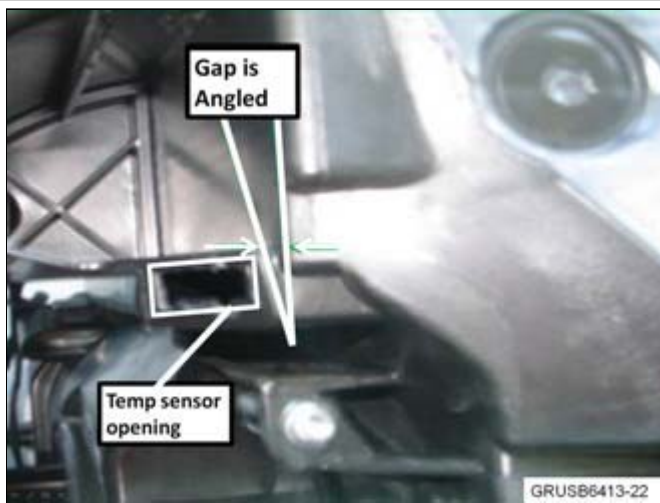
CAUSE

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

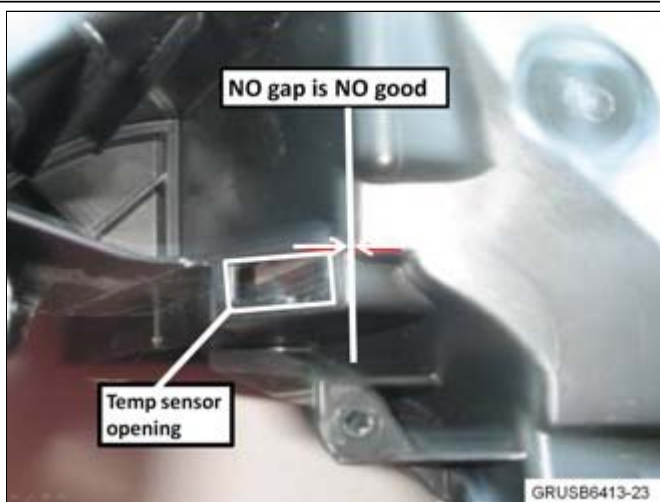
PROCEDURE

Check the air conditioning for correct operation. If the operation is correct, proceed to the next step.

1. Refer to Repair Instruction 51 45 195 and remove the passenger side footwell cover.



2. With the footwell panel removed, locate the evaporator temperature sensor opening (sensor removed for clarity). Note 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.



3. If no gap exists and the sensor opening contact surface is not angled as shown, the IHKA housing is faulty. **Do not replace any parts until the retrofit adapter parts are available in early November 2013. This Service Information bulletin will be updated once the adapter parts are available.**

Until then, advise the customer this fault can be prevented by setting the A/C temperature to a slightly higher temperature setting and increase the fan speed to at least 2 bars.

Note: After stopping/parking the car or turning off the A/C, the ice will begin to melt off the evaporator and create a puddle under the car; then proper A/C operation will be restored.

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty.

Defect Code:	64 51 13 79 00	
Labor Operation:	Labor Allowance:	Description:
51 45 195	Refer to KSD2	Remove and install bottom instrument panel trim
and		
64 99 000	1 FRU	Work time to inspect IHKA housing

Labor operation code 51 45 195 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 51 45 695 instead.

Even though work time labor operation code 64 99 000 ends in “000,” it is not considered a Main labor operation.

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