



SI B64 06 13
Body Equipment

January 2014
Technical Service

This Service Information bulletin supersedes SI B64 06 13 **dated November 2013**.

NEW designates changes to this revision

SUBJECT

A/C Cooling: Intermittent Reduction of Air Flow

MODEL

F30

F31

F32

F34

NEW Produced from July 4, 2012 to September 2, 2013

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

NEW PROCEDURE

Check the air conditioning for correct operation.

The fault can be reproduced under the following conditions:

- Air-conditioning system switched on
- Driving Experience switch NOT set to Eco Pro
- Mainly at lower fan speeds

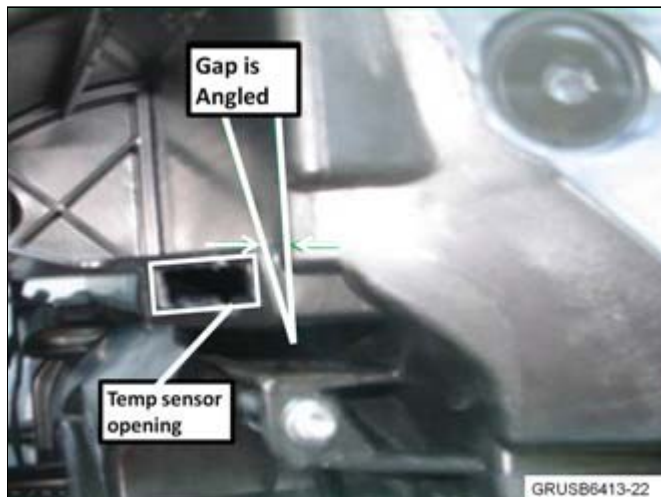
- Temperature setting below 68°F (20°C)
- Trip duration at least 30 minutes
- Outside temperature above 68°F (20°C)

After parking the vehicle or switching off the air-conditioning system for at least 20 minutes, the symptom disappears. However, this can occur again if the air-conditioning system is reactivated and a longer drive lasting at least 30 minutes takes place.

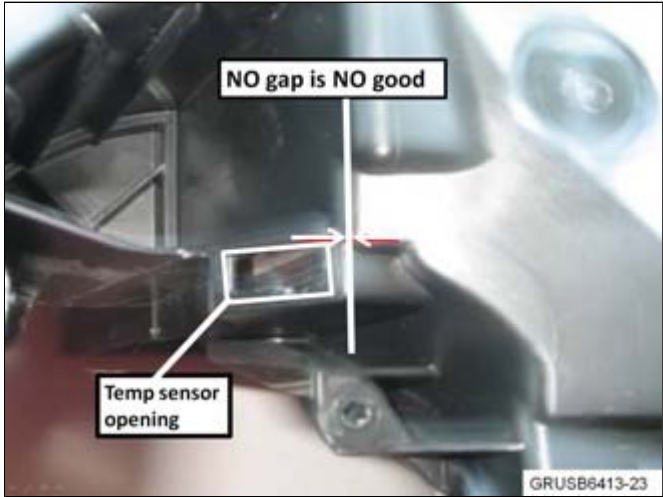
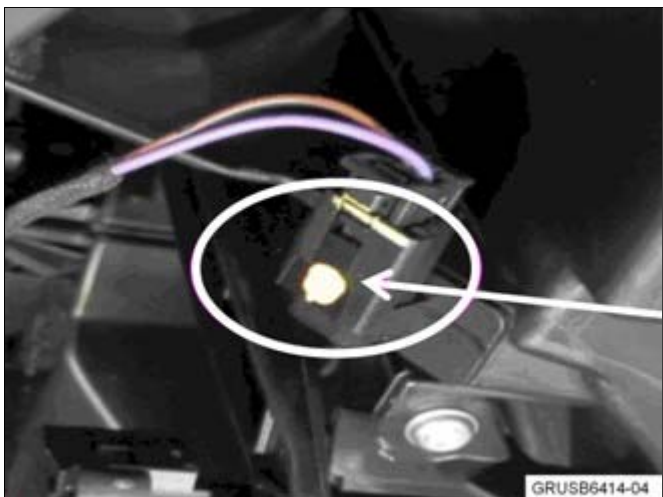
Note: After stopping/parking the car or turning off the A/C, the ice will begin to melt off the evaporator and create a puddle under the car from the A/C drains. After the ice melts, normal A/C operation will be restored.

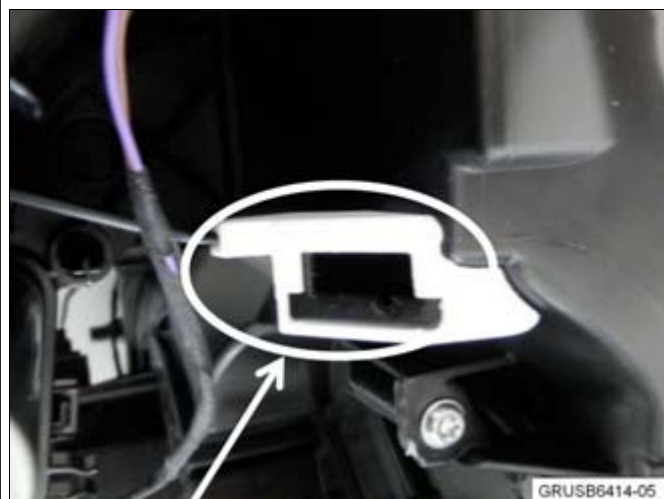


1. Refer to Repair Instruction 51 45 195 and remove the passenger side footwell cover trim.

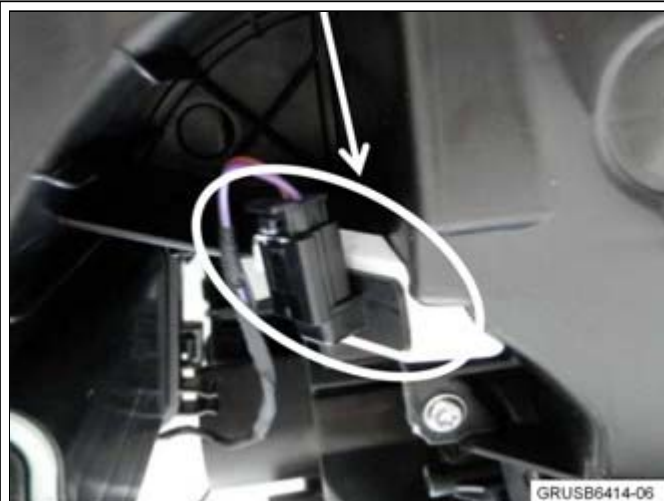


2. With the footwell panel removed, locate the evaporator temperature sensor opening (sensor removed for clarity). Note the gap between the sensor opening and the evaporator case. If the sensor opening contact surface is slightly angled as shown, this housing is **NOT** affected by this repair procedure. 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 must be modified. Do not replace any parts. The repair procedure includes installing a new adapter to correct the gap of the sensor as shown in the next steps.
	4. Also, if a yellow-colored marking exists on the sensor connection, the new adapter must be installed. Refer to Repair Instruction 64 11 943 and remove the evaporator temperature sensor.
	5. Insert the new adapter firmly into the sensor opening, as



shown.



6. Insert the sensor through the opening in the adapter, and then install all removed parts in the reverse order of their removal.

NEW PARTS INFORMATION

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

NEW WARRANTY INFORMATION

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

Defect Code:	64 51 13 40 00	
Labor Operation:	Labor Allowance:	Description:
64 99 000	4 FRUs	Work time to check IHKA housing and install the sensor adapter (Main work)
or		
		Work time to check IHKA housing and

64 99 000	2 FRUs	install the sensor adapter (Plus work, vehicle already in the workshop)
and		
64 11 943	Refer to KSD2	Removing and installing evaporator temperature sensor

Since the “work time” FRU allowance is specified for labor operation 64 99 000, a separate punch time is not required.

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