



---

**SUBJECT****Whistling Noise Coming from the Center Vent - A/C is Off****MODEL**

F22 - 2 Series (Coupe)

F23 - 2 Series (Convertible)

F30 - 3 Series (Sedan)

F31 - 3 Series (xDrive Sports Wagon)

F32 - 4 Series (Coupe)

F33 - 4 Series (Convertible)

F36 - 4 Series (Gran Coupe)

**SITUATION**

A very high pitched whistling or beeping noise is heard coming from the center vents.

**CAUSE**

The flow of refrigerant through the expansion valve at certain temperature differentials.

**CORRECTION**

Install a parts kit which includes an electrically controlled expansion valve that is fully closed when the A/C is not in use.

**If this vehicle already has an electrically controlled expansion valve please submit a PuMA case.**

**PROCEDURE**

This noise is very difficult to duplicate. Following these suggestions may increase the chances of duplicating the problem:

- A/C compressor is off
- Fresh air directed through center vents
- Lowest fan speed
- No other noises such as open windows, sunroofs and radio on etc.
- Listen closely at center vents

**After verifying the noise problem,** follow the repair procedure on the B64 09 15 attachment and

Electrical Expansion Valve Wiring attachment.

#### PARTS INFORMATION

Part Number	Description	Quantity
64 53 6 821 261	A/C hose kit with electric expansion valve (not shown in ETK)	1
83 19 2 221 349	R134a (Gas 1 oz units)	As needed

#### WARRANTY INFORMATION

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

<b>Defect Code:</b>	<b>64 51 12 39 00</b>
---------------------	-----------------------

#### With Automatic Climate Control

Labor Operation:	Labor Allowance:	Description:
64 50 010	KSD2	Discharging/evacuating and filling the air conditioning system
And:		
64 53 702	KSD2	Replacing line from evaporator to compressor

If you are using a Main labor code for another repair, use the Plus code labor operation 64 50 510 instead.

#### Without Automatic Climate Control

Labor Operation:	Labor Allowance:	Description:
64 50 009	KSD2	Discharging/evacuating and filling the air conditioning system
And:		
64 53 701	KSD2	Replacing line from evaporator to compressor

If you are using a Main labor code for another repair, use the Plus code labor operation 64 50 509 instead.

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

And, with both of the above:

**Additional Work**

Labor Operation:	Labor Allowance:	Description:
64 99 000	8 FRU	Work time to move coolant expansion tank (without draining coolant) and wire in electric expansion valve harness to X13* 1B PIN 11

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.

And, if needed:

**Sublet – Bulk Materials (Excluding R134a)**

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the repair-related bulk materials (Please do not use the part numbers for claim submission)
---------------	--	---

Sublet reimbursement calculation for claiming the “used quantities” of repair-related bulk materials (BMW part numbers) is at dealer net plus your center’s handling.

Enter this material cost in sublet and itemize the amount in the claim comment section.

**ATTACHMENTS**

View PDF attachment [B640915 Attachment Installation Instructions](#).

View PDF attachment [B640915 Electric Expansion Valve Wiring](#).

[ Copyright ©2016 BMW of North America, Inc. ]