



HUMMING NOISES WHEN AIR CONDITIONING IS ACTIVATED

MODEL

F15 (X5 sDrive 35i, xDrive35i Sports Activity Vehicle)	F16 (X6 sDrive 35i, xDrive35i Sports Activity Coupe)
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SITUATION

Humming, or high-pitched vibrating noises can be heard inside the vehicle when the air conditioning (A/C) is switched on.

Only applies to vehicles with the N55 engine.

CAUSE

Pulsations in the refrigerant line between the evaporator and the A/C compressor.

PROCEDURE



Warning: Only technicians who have completed and passed training on the R1234yf

recovery/recycling machine as well as on BMW A/C systems are authorized to carry out repair work on the refrigerant circuit.

1. Refer to Repair Instructions 64 52... "Instructions for opening and part exchange in refrigerant circuit"
 - Use the Robinair R1234yf A/C recovery/recycling machine. Refer to Repair Instructions 64 50 010 "Suctioning, evacuating and filling heating and air conditioning system (R1234yf)"



Attention: Refer to Repair Instructions "REP-REP-RAI0164-6450HINW_BMW_I Safety instructions for handling refrigerant R1234"

2. Replace the original refrigerant line with the new line (P/N 64 50 6 833 626).
3. Confirm normal A/C operation and the elimination of the humming noise.



Note: A/C compressor replacement will not provide a solution to this situation.

SPECIAL TOOL AND/OR EQUIPMENT INFORMATION

For reference only

Special tool P/N per AIR	Description	Full P/N
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	Robinair R1234yf A/C recovery/recycling machine.	Refer to B04 02 16
00 9 030	O-ring Removal Tool	83 30 0 496 714
32 1 270	Plug set for hydraulic lines	83 30 0 494 179

PARTS INFORMATION

Part Number	Description	Quantity
64 50 6 833 626	A/C line "suction pipe evaporator-compressor"	1
83 19 2 446 563	Refrigerant R1234yf (1 oz unit)	Qty as needed

WARRANTY INFORMATION

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

Defect Code:	6453003900	Refrigerant line, air conditioning disruptive noises
Labor Operation:	Labor Allowance:	Description:
64 50 010	Refer to KSD2	Extract, evacuate and fill air conditioning system (Main work)
Or:		
64 50 510	Refer to KSD2	Extract, evacuate and fill air conditioning system (Plus work)
And:		
64 53 651	Refer to KSD2	Replacing wire from the air conditioning compressor to the evaporator (without extract, evacuate and fill)

If you are using a Main labor code for another repair, use the Plus code labor operation 64 50 510 instead of 64 50 010

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