



SUBJECT

Noise from Heating and Air Conditioner

MODEL

F30 (3 Series Sedan)

F31 (3 Series Sports Wagon)

F32 (4 Series Coupe)

With N55 engine

SITUATION

There is an intermittent whirring noise from the IHKA system when the engine is under load between 2,000 and 3,000 rpm, and sometimes at approximately 5,000 rpm.

CAUSE

Vibrations from the A/C low-pressure hose are resonating into the heating and air conditioning system.

PROCEDURE

Verify the customer concern and proceed to the next step.

A new mass weight kit has been developed to dampen vibrations in the A/C low-pressure hose.



1. The damper kit includes two mass weight halves and one spring clamp.

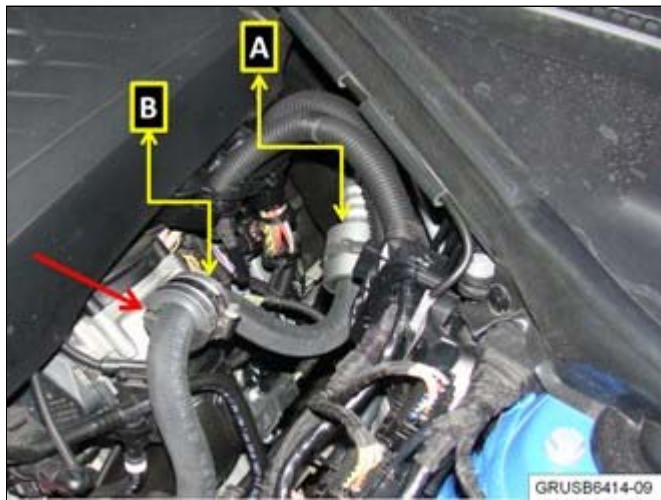
Note: The spring clamp should only be used if the A/C hose is being removed or replaced.

If not, substitute the spring clamp with the hose clamp part number listed below.

2. Locate the A/C low-pressure (suction) hose between the evaporator and the compressor. The hose clamp and the two mass halves are to be fastened around the low-pressure hose.



Note: The groove in the mass halves is where the hose clamp must be located.



3. Measure 300 mm from the crimped end of the rubber A/C hose (A), following the hose upward to the high point of the loop (B). Make a chalk mark on the hose at (B).
4. Install the weight at location (B) so that the forward edge of the weight aligns with the chalk mark. Place both halves of the weight around the hose. Fit the hose clamp to the weight.

Note: The hose clamp must be seated in the groove of the weight before tightening. In this case, the red arrow shows a large gap. The end gaps must be squared up and equal on both sides. Then tighten the hose clamp down firmly.

PARTS INFORMATION

Part Number	Description	Quantity
64 53 9 322 952	A/C hose damper kit (with spring clamp)	1
07 12 9 952 119	Hose clamp (42-46 mm range)	1

WARRANTY INFORMATION

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

Defect Code:	64 53 00 39 00	
Labor Operation:	Labor Allowance:	Description:
		Work time to install damper weight kit to A/C low-pressure (suction) line.

64 99 000	3 FRU	(Main work – without removal or replacement of the hose)
or		
64 99 000	1 FRU	Work time to install damper weight kit to A/C low-pressure (suction) line. (Plus work – Vehicle already in the workshop: without removal/replacement of the hose or with hose removal/replacement that is connected to performing another repair)

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