



Technical Service Bulletin

87 Faint high-frequency noise in the instrument panel area during A/C operation

87 20 06 2056182/3 June 17, 2020. Supersedes Technical Service Bulletin Group 87 number 19-00 dated October 22, 2019 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
RS3	2017 - 2020	All	Not Applicable

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised header (More refined model codes)
2	10/22/2019	Revised header (Added MY 2020) Revised <i>Production Solution</i> (Statement is no longer applicable) Revised <i>Service</i> (Updated Part Number for locking fluid) Revised <i>Required Parts and Tools</i> (Updated Part Number for locking fluid and photo)
1	09/20/2019	Initial publication

Customer states:

- A faint, high-frequency noise is heard from the instrument panel area when the air conditioning is active. The noise can even be heard from the rear ventilation outlet. The noise occurs at engine speeds from 1500 to 2000 rpm.
- If the air conditioning is switched off, the noise is eliminated.

Workshop findings:

- The symptom can be easily duplicated.

Technical Background

Based on the air conditioning compressor load requirements, in certain atmospheric conditions, high-frequency vibrations can be generated by the compressor are transferred into the refrigerant circuit inside the vehicle.



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Production Solution

Not applicable.

Service

Do not replace the air conditioning compressor for this condition. Compressor replacement will not eliminate this noise. Reproduce the customer concern. The solution described in this TSB is only relevant to the vehicles for which this TSB appears.

1. Install balance weight part number 5Q0 820 899 on the refrigerant line (Figure 1). Install the balance weight using 2 bolts part number WHT 003 121. Apply medium strength thread locking compound to the bolts such as locking fluid D 185 410 A2.

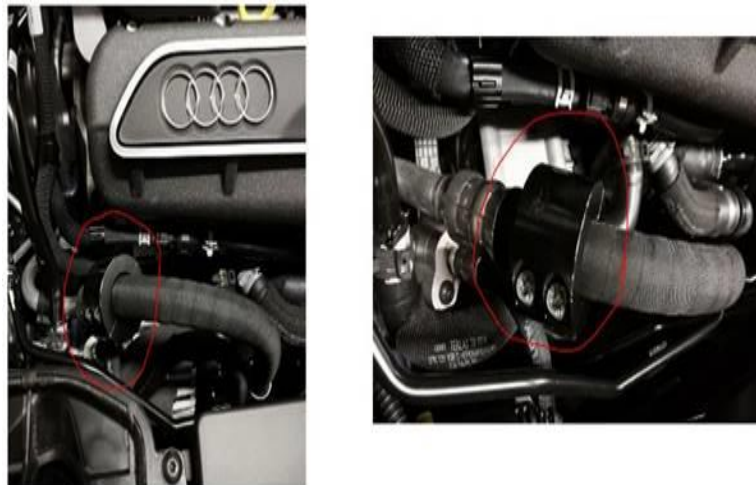


Figure 1. Balance weight positioning on the low side refrigerant line.

2. Tighten the bolts to 13 Nm (+/- 3 Nm) (Figure 2).

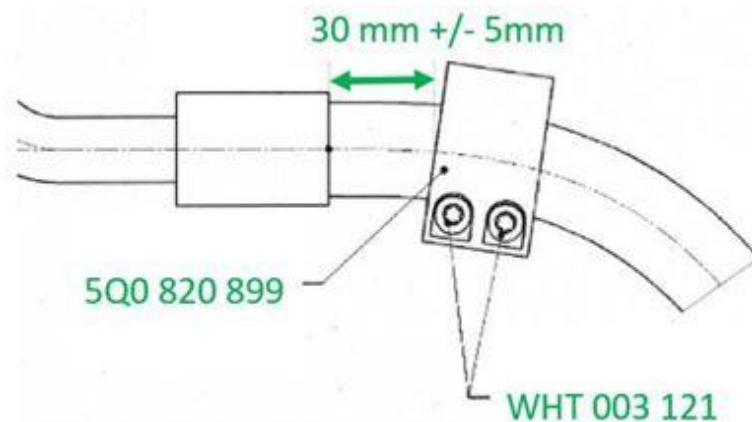


Figure 2. Specification for the positioning of the balance weight.




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Warranty

Claim Type:	<ul style="list-style-type: none">• 110 up to 48 Months/50,000 Miles.• G10 for CPO Covered Vehicles – Verify Owner.• If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	8734		
Damage Code:	0020		
Labor Operations:	Install balance weight	8743 9999	20 TU
Diagnostic Time:	GFF	No allowance	0 TU
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB #2056182/3		


All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Required Parts and Tools

The part numbers mentioned in this TSB are different than the ones listed in ETKA. Only use parts listed in this TSB, this includes superseding part numbers!		
Part Number	Part Description	Quantity
5Q0820899	 Balance weight	01



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WHT003121	 Bolt	02
D185410A2 (or equivalent medium strength thread locking fluid)	Liquid locking fluid	Shop supply
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA

Additional Information

All parts and service references provided in this TSB (2056182) are subject to change and/or removal.

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