

# Technical Service Bulletin



## 20 R8 V10 Spyder rattle noise from left rear

20 12 24 2027912/6 September 10, 2012. Supersedes Technical Service Bulletin Group 20 number 12 – 22 dated June 13, 2012 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
R8	2010 – 2012	000001 – 999999	V10 engine

## Condition

REVISION HISTORY		
Revision	Date	Purpose
6	-	Revised <i>Service</i> (Updated steps) Revised <i>Warranty</i> (Updated table) Revised <i>Parts</i> (Added new part number)
5	7/13/2012	Revised <i>Production Solution, Service, Warranty</i>
4	1/24/2012	Revised <i>Service</i>
3	12/12/2011	Revised header data (Added model year 2010)
2	12/1/2011	Revised header data
1	11/22/2011	Original publication

The customer may complain of a faint tapping sound coming from the left rear of the vehicle as heard when sitting in the driver's seat. The customer may state the sound occurs at certain engine RPM. It is consistently reproducible when lightly feathering the throttle when the vehicle is stationary and sound making accessories such as the air conditioning fan and radio are turned off.

## Technical Background

Actuation of a pressure relief valve inside the in-line fuel filter can cause a tapping sound audible inside the passenger compartment. The valve actuates when fuel demand decreases, for example when quickly lifting off the throttle pedal.

The in-line fuel filter is secured in a bracket which is mounted on a structural member at the left rear of the vehicle, behind the driver's seat (Figure 1). Normal operating sound of the filter can be transmitted to the passenger compartment.



*Figure 1. In-line fuel filter.*

## Production Solution

An acoustically optimized fuel filter has been implemented in production.



*Figure 2. Acoustically optimized fuel filter.*

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## Service

1. Verify the customer complaint matches the Condition described in this bulletin.
2. Replace the fuel filter per ELSA Repair Manual instructions *Engine>>>Fuel Supply System>>>20 Fuel Supply>>>Removal and Installation>>>Fuel Filter*.
3. Verify the customer complaint has been addressed.

## Warranty

<b>Claim Type:</b>	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
<b>Service Number:</b>	2031		
<b>Damage Code:</b>	0010		
<b>Labor Operations:</b>	Fuel filter remove and reinstall	2031 1901	190 TU
<b>Diagnostic Time:</b>	GFF	No allowance	0 TU
	Road test prior to service procedure	0121 0002	10 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
<b>Claim Comment:</b>	As per TSB #2027912/6		

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

Part Number	Part Description	Quantity
420 201 511	Fuel filter with pressure regulator	1

## Additional Information

All parts and service references provided in this TSB are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.