

# Technical Service Bulletin



## 46 Rattling noises from front axle on uneven roads (brake disc)

46 14 87 2035113/4 July 14, 2014. Supersedes Technical Service Bulletin Group 46 number 14-65 dated January 3, 2014 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8	2011 - 2013	All	Not Applicable
SQ5	2013 - 2014	All	Not Applicable

## Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revise <i>Technical Background</i> (Added chart)
3	1/3/2014	Revised header data (Added SQ5) Revised <i>Warranty</i> (Added SQ5)
2	10/16/2013	Revised <i>Attachments</i> (Changed video file formats)
1	08/26/2013	Initial publication

Customer may report hearing rattling noises from front axle when vehicle is driven on uneven roads.

## Technical Background

There are conflicting tolerances in the alignment of pin and hole on the front brake discs on specific models with a specific front brake PR code.

Model	Front brake PR code	Front brake disc size
A8	PR-1LJ / PR-1LP	380x36MM
SQ5	PR-1LV	380x36MM

## Production Solution

Not applicable

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## Service

1. Verify that the noise is coming from the front of the vehicle.
2. Remove the front wheels and front brake discs.



**Tip:** Place the brake disc on the brake disc hub (wheel contact surface) so that the friction surface is not damaged during testing.

3. Check the brake discs according to the attached videos. Multiple versions of each video are attached to accommodate various video players and internet browsers.
  - If the brake discs sound like the sound in video 1, the brakes can stay on the vehicle.
  - If the brake discs sound like the sound in video 2, the brake disc pins are loose and are the cause of the rattling noise. Replace both front brake discs.

## 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>	4650		
<b>Damage Code:</b>	0020		
<b>Labor Operations:</b>	2 front wheels remove + reinstall	4405 2000	20 TU
	2 front brake discs remove + reinstall	4650 2050 (A8) 4650 2050 (SQ5)	50 TU (A8) 40 TU (SQ5)
	Check 2 front brake discs	4650 0299	5 TU
<b>Diagnostic Time:</b>	Road test prior to service procedure	0121 0002	10 TU
	Road test after service procedure Only applicable if the front brake discs were replaced.	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 #2035113/4		

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.

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## Additional Information

All parts and service references provided in this TSB (2035113) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.