



# Technical Service Bulletin

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## 46 RS7 Pulsation when braking (steel brakes only)

46 16 61 2045505/1 October 18, 2016.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
RS 7	2014 - 2016	All	Steel brakes
RS 7	2017	000001 - 901481	Steel brakes

## Condition

Customer states there is a pulsation when braking at any speed.

## Technical Background

Not applicable.

## Production Solution

Improved brake discs, with optimized tolerance.

## Service

1. Replace front brake discs and brake pads according to ELSA instructions:  
*ELSA>Repair Manual>Chassis>Brake system>46 Brake mechanics>Front Brakes>Removing and installing brake disc-steel version brakes (1LA/1LJ/1LF/1LL/1LU/1LM/1LX).*

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**Tip:** If damaged parts are received from PDC, do not install them in the vehicle (Figure 1).

Proceed with the correct Warranty Parts Claim.



**Figure 1:** Example of disc brake with impact marks that should NOT be installed.

## 2. Brake Embedding:

- Perform 5 to 10 medium pressure brake applications from 55 mph to 25 mph.
- Drive 2 minutes at 40 mph to cool down the brakes.
- Repeat if necessary



**Note:**

Do NOT perform ABS stops as a way of embedding the brakes. Brake pads and discs may be permanently damaged if brakes are overheated prior to being properly embedded.

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"> <li>• 110 up to 48 Months/50,000 Miles.</li> <li>• If vehicle is outside any warranty, this Technical Bulletin is informational only.</li> <li>• If damaged parts are received, proceed with Warranty Parts Claim only.</li> </ul>		
<b>Service Number:</b>	4650		
<b>Damage Code:</b>	0010		
<b>Labor Operations:</b>	Front brake disc and pads replace	4650 5652	100 TU
	Front wheels removed + reinstalled	4405 2000	20 TU
<b>Diagnostic Time:</b>	Road test prior to service procedure	0121 0002	10 TU



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	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 #2045505/1		

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
4G0615301AH	Brake disc	02
G052150A2	Lithium Grease	0.10
4F0698269B	Set of securing parts	02
N91147601	Bolt hex. M14x1,5x48	04
See ETKA	Brake pad set	01

## Additional Information

All parts and service references provided in this TSB (2045505) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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