



# Technical Service Bulletin

## 46 Clicking noise from front ceramic brakes - R8

46 18 94 2047140/4 June 21, 2018. Supersedes Technical Service Bulletin Group 46 number 17-70 dated April 17, 2017 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
R8	2017	All	Ceramic brakes
R8	2018	000001 - 900030	Ceramic brakes

## Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised <i>Service</i> (Updated procedure)
3	04/17/2017	Revised <i>Warranty</i> (Updated Labor Operation)
2	03/20/2017	Revised header data (Updated model code and added VIN break)

A clicking noise is heard from front brakes when vehicle is being driven at low speeds in either direction. For an example of the sound, see the video located at: <https://audi-external.kzoplatform.com:443/swf/player/334> (Figure 1).



Figure 1. QR code for clicking noise.

## Technical Background

Only Ceramic Brakes are affected (PR code 1LW).

The pads may be moving back and forth inside the caliper, which causes the noise.



# Technical Service Bulletin

---

## Production Solution

New brake pad in use.

## Service

1. Install new brake pads on both sides according to the instructions in the Elsa Repair Manual at *Chassis >> Brake System >> 46 Mechanical Components >> Front Brakes >> Brake Pads Removing and Installing Ceramic Brakes*.

- The brake pistons must be clean. Brake cleaner can be used to clean the brake pistons. Ensure that the contact surfaces are free of dust and grease and they are dry.
- Only remove the protective paper from the adhesive foil on the brake pad immediately before installation (Figure 2), and do not touch the adhesive surface. (Figure 3).



**Figure 2.** Pull of adhesive foil.



# Technical Service Bulletin



**Figure 3.** Do not touch the exposed adhesive surface.



**Note:**

After installing the pads, keep full brake pressure for about 5 seconds to ensure that the pads are properly bonded to the pistons.

2. Brake Embedding:

- A. Perform 10 stops from approximately 65 mph to 30 mph with medium brake application.
- B. Drive approximately 2 minutes at 40mph without braking to allow the brakes to cool down.
- C. Repeat steps A and B if necessary.

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"><li>• 110 up to 48 Months/50,000 Miles</li><li>• If the vehicle is outside warranty, this TSB is informational only.</li></ul>		
<b>Service Number:</b>	4636		
<b>Damage Code:</b>	0010		
<b>Labor Operations:</b>	Brake pads front, remove and install	4636 2050	40 TU
	2 Wheels remove and install	4405 2000	20 TU
	Front brake calipers cleaned	4739 9999	30 TU



# Technical Service Bulletin

<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
<b>Claim Comment:</b>	As per TSB # 2047140/4		

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.

## Required Parts and Tools

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts and Screws as needed per the Repair Manual	See ETKA/ELSA
4S0 698151 M	Set of front brake pads	01
G 052 150 A2	Lithium Grease	0.10
See ETKA	Set of securing parts	01
See ETKA	Contact sensor	02

## Additional Information

All parts and service references provided in this TSB (2047140) are subject to change and/or removal.

©2018 Audi of America, Inc. All rights reserved. Information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites without the prior expressed written permission of the publisher.