

Technical Service Bulletin



46 Q5 Hybrid squealing from front brakes (PR-1LJ)

46 15 13 2040942/1 June 29, 2015.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q5	2013	All	Hybrid engine
Q5	2014	000001 - 034868	Hybrid engine

Condition

Customer may complain about brake squeak or squeal with light to moderate pedal pressure.

Technical Background

If any of the following conditions exist, this TSB does not apply.

1. Front brake discs or brake pads are close to their wear limit (disc wear limit: 28 mm and pads wear limit with backing plate and dampening plate: 10 mm).
2. Foreign objects between brake disc and brake pad, such as small stones, grit, rust build-up, or sand.
3. Un-ground or corroded friction materials.
4. Metallic deposits from disc material in brake pad (Figure 1).



Figure 1. Metallic deposits.

Production Solution

Two unique improvements were released in two different model years.

Service

1. Check the part number on the front discs. If part number is not 4G0615301G, then install 4G0615301G front discs (Figure 2).

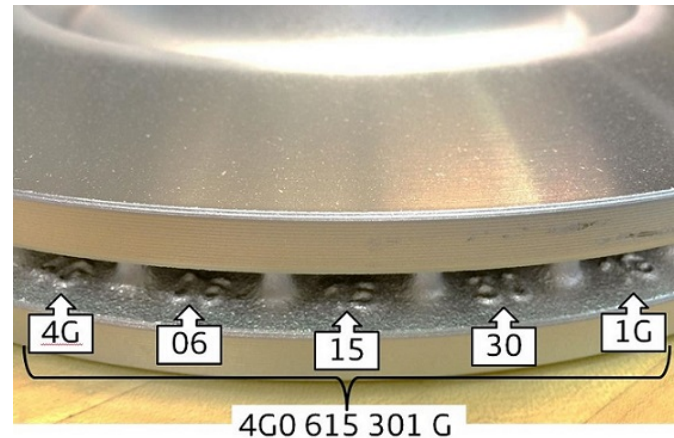


Figure 2. Front brake disc part number location.

2. Apply a thin coat of anti-seize (G 052560A2) lubricant to the guide pins of the front caliper carriers (Figure 3).

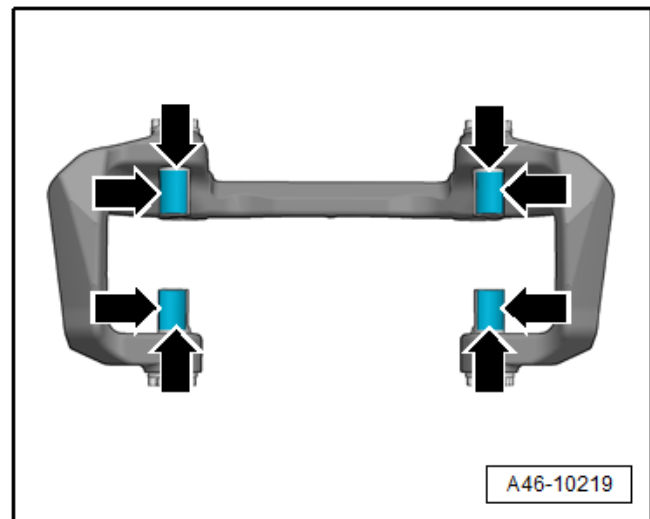


Figure 3. Caliper carrier guide pins with anti-seize (G 052560A2) lubricant applied where the pads make contact.

Brake embedding – follow this procedure if front pads and/or discs are replaced.

1. Perform 10 stops from approximately 35 mph to 10 mph with medium pedal pressure.
2. Drive for approximately 5 minutes without braking to allow the brakes to cool down.
3. Perform 10 stops from approximately 35 mph to 10 mph with medium pedal pressure.

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4. Drive for approximately 5 minutes without braking to allow the brakes to cool down.
5. Repeat steps 1 and 2 if necessary.
6. Do not perform ABS stops as a way of embedding the brakes. Brake pads and discs may be permanently damaged.



If the vehicle still exhibits brake noise after all the repairs stated above have been accurately performed:

- Obtain a sound recording, create a TAC ticket, and attach the sound recording.
- Do not open a TAC ticket without a sound recording.

Warranty

There must be an original customer complaint of the specified symptom on the repair order for this Technical Service Bulletin to apply. Adding this procedure on is not permitted.

Claim Type:	110		
Service Number:	4617		
Damage Code:	0020		
Labor Operations:	2 Wheels remove and reinstall	4405 2000	20 TU
	Front brake calipers separated from caliper carriers to clean guide pins and apply G 052560A2	4739 2099	40 TU
	2 Front brake disc remove and reinstall (Only if applicable) Includes front brake caliper loosened and fastened	4650 2050	40 TU
Diagnostic Time:	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)		
Claim Comment:	As per TSB #2040942/1		

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.

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Required Parts and Tools

Part Number	Part Description	Quantity
G 052560A2	Anti-seize lubricant	0.10
4G0615301G	Only if applicable: Front brake discs	2

Additional Information

All parts and service references provided in this TSB (2040942) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.