

Technical Service Bulletin



46 S4/S5 brake noise - Repair Authorization

46 13 40 2028420/3 June 10, 2013. Supersedes Technical Service Bulletin Group 46 number 13-36 dated April 9, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S4	2013	All	Produced after Sep 2, 2012 (CW36/2012)
S5	2013	All	Produced after Sep 2, 2012 (CW36/2012)
S5 Cabriolet	2013	All	Produced after Sep 2, 2012 (CW36/2012)

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised header data (Added VIN breaks) Revised <i>Service</i> (changed email address)
2	4/9/2013	Revised header data (Changed applicable model year) Revised <i>Service</i> (added steps)
1	1/18/2012	Initial publication

The customer may complain of hearing a high-pitched squeal or squeak from the brake system when brakes are used with light to moderate effort.

- The concern may occur more frequently with colder weather.
- The vehicle production date is on or after Sep 3, 2012 (Calendar Week 36/2012).

Technical Background

Changes to certain brake components were implemented in S4, S5, and S5 Cabriolet models produced as of Sep 3, 2012. To closely monitor complaints of noise on these vehicles, we are asking that you contact the Audi Technical Assistance Center (TAC) before replacing any parts on vehicles produced after this date. This will assist us in diagnosing any potential issues with the condition noted above.

Production Solution

No changes to production have been made after Sep 3, 2012, as no issue has been identified.

Service

1. Verify the customer complaint matches the Condition described at the top of this TSB. Complaints not related to the Condition described in this TSB do not require TAC authorization.
2. Verify the vehicle's build date is on or after Sep 3, 2012. For vehicles built before this date, see TSB 2027636.
3. If the vehicle is within the New Vehicle Limited Warranty, complete the attached Brake Noise Questionnaire.
4. Obtain a sound recording of the brake noise (a cell phone recording is acceptable as long as the noise can be clearly identified).
5. Email the questionnaire and sound recording to: **chassis@audi.com**. A sound recording is necessary to help determine the root cause of the noise and to help resolve the concern.
6. Contact a TAC consultant before proceeding with any repairs.

Warranty

This TSB is informational only and not applicable to any Audi warranty.

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.

Questionnaire - Brake Complaint: Acoustics, Noise

Vehicle Data:

Type:		Registration Date:		Dealer:	Auburn Hills
VIN:		Milage:		Name	Auburn Hills
Engine No.:		special equipment (tow bar, Tuning etc)		Tel.-No.:	248 754
BA ID:				Rep-Date:	

Test drive:

done: <input type="checkbox"/> yes	Customer complaint confirmed: <input type="checkbox"/> yes <input type="checkbox"/> no	
Type of noise (if possible): <input type="checkbox"/> "Moo"-noise <input type="checkbox"/> grinding / scraping <input type="checkbox"/> Squeaking <input type="checkbox"/> creaking <input type="checkbox"/> Rattling	when does the noise occur? forward drive: <input type="checkbox"/> reverse: <input type="checkbox"/> <input type="checkbox"/> always <input type="checkbox"/> light braking stop <input type="checkbox"/> <input type="checkbox"/> often <input type="checkbox"/> hard braking (e.g. traffic light) <input type="checkbox"/> rarely <input type="checkbox"/> without braking Driving bends <input type="checkbox"/> <input type="checkbox"/> very rarely <input type="checkbox"/> emergency braking	where does the noise occur? <input type="checkbox"/> Motorway <input type="checkbox"/> country / A-roads <input type="checkbox"/> Town

Notes

Where does the noise possibly come from?

front <input type="checkbox"/> back <input type="checkbox"/> don't know <input type="checkbox"/>	exact location, if possible:	
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Noise-Level:

<input style="width: 50px; height: 20px;" type="text"/>	<input type="button" value="▲"/> <input type="button" value="▼"/>	Notes
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Does the complaint occur after standing?

no <input type="checkbox"/>	if yes, after what time of stand still? <input style="width: 50px;" type="text"/> hours	was the handbrake, pedal for parking brake activated? <input type="checkbox"/> yes <input type="checkbox"/> no
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Is the noise still present after several brakings:

yes <input type="checkbox"/>	no <input type="checkbox"/>
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Residual thickness of the brake pads:

<input style="width: 80px; height: 20px;" type="text"/> %	<input type="button" value="▲"/> <input type="button" value="▼"/>	Notes
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Residual thickness of the brake discs:

 %

Notes
▲
▼

State of the brake discs:

o.k.. rusty Hotspot: scores outside scores inside completely scored

Speed (range):

from / at mph to mph

Outside Temperatures (range):

from / at F° to F°

Weather:

weather: wet dry Snow

Type / state of roads:

smooth surface rough surface cobbles

since when does the noise occur?

Please create a noise file!

from the beginning just recently since milage

Notes

Conditions of use?

Taxi Driving school Rental car Others:

Notes:

which measures / repairs have been carried out?

repeated repairs: yes which
 no

Notes: