

## 40 Cracking noise from front end of vehicle when driving direction changed from reverse to forward

40 16 49 2043033/1 February 2, 2016.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q3	2015	000001 - 030788	Not Applicable

## Condition

A cracking noise is heard from the front end of the vehicle when the driving direction is changed from reverse to forward.

## Technical Background

A slight movement of the stub axle in the wheel bearing causes the noise.

## Production Solution

Improved wheel bearings.

## Service

1. Road test the vehicle to ensure that the *Condition* applies and to determine if the noise is coming from one or both front axles.
2. Remove the affected front axle(s) according to the instructions in Elsa.
3. Clean the axle splines and wheel hub splines to ensure that they are free of debris and grease.
4. Apply two continuous beads of liquid locking compound (part number D 185400A3) to the axle splines. One bead of compound should be near the end of the splines and the other bead should be in the center of the splines (Figure 1).



### Note:

For proper bonding, the vehicle must not be operated for 8 hours after the repair.



**Figure 1.** Application locations of liquid locking compound.

# Technical Service Bulletin



## 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>	4045		
<b>Damage Code:</b>	0010		
<b>Labor Operations:</b>	<b>If one axle is repaired:</b>		
	Driveshaft remove+reinstall	4041 1900	90 TU
	Clean 1 outer CV joint and apply locking compound	4045 4999	10 TU
	<b>If both axles are repaired:</b>		
	2 Driveshafts remove+reinstall	4041 2000	160 TU
	Clean 2 outer CV joints and apply locking compound	4045 5099	20 TU
<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
	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 #2043033/1		

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
WHT005437	12-point socket shoulder screw M16x1,5x70	1 or 2
D 185400A3	Liquid locking compound	0.10

## Additional Information

All parts and service references provided in this TSB (2043033) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.