

# Technical Service Bulletin



## 40 Cracking noise from front end when changing direction

40 23 55 2061464/4 May 9, 2023. Supersedes Technical Service Bulletin Group 40 number 22-43 dated June 9, 2022, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3 Sportback e-tron	2018	All	Not Applicable
A3 Cabriolet	2018 – 2019		
A3, S3, and RS 3	2018 -2020 2022 – 2023		
Q3	2019 - 2023		

## Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised Warranty (Revised Labor Operations)
3	06/09/2022	Revised header (Added model and model years)
2	02/16/2021	Revised header (Added model)

### Customer states:

- Cracking noise from the front end when changing direction.

### Workshop findings:

- When pulling away there is a one-off cracking noise from the front after changing direction.

## Technical Background

Relative movement of the drive axle in the wheel bearings.

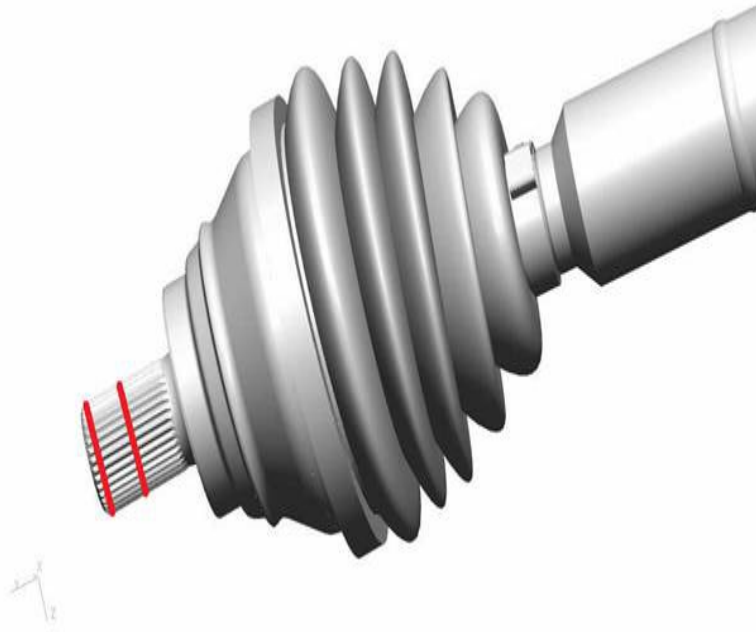
## Production Solution

Improved drive axles were gradually introduced in production.



## Service

1. Follow instructions according to Elsa at Repair Manual, *Chassis >> Suspension, Wheels, Steering >> 40 Front Suspension >> Front Axle >> Drive Axle >> Drive Axle Disassembling, Assembling.*
2. Disassemble the affected drive axle.
3. Apply liquid locking fluid as shown in Figure 1 (red lines around the threaded connection).



**Figure 1.** Apply locking fluid around the threaded connection.

4. Reinstall the drive axle according to ELSA instructions.

 **Warning:**

**After assembling the drive axle(s), the vehicle must not be operated for 8 hours.**

## Warranty

**Claim Type:**

- 110 up to 48 Months/50,000 Miles.
- G10 for CPO Covered Vehicles – Verify Owner.

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	<ul style="list-style-type: none"> <li>If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li> </ul>		
<b>Service Number:</b>	4045		
<b>Damage Code:</b>	0010		
<b>Labor Operations:</b>	Bond in 1 outer driveshaft <b>Includes:</b> Remove and install 1 wheel Remove and install noise insulation Detach and re-attach suspension link	4041 4999	90 TU
	Bond in 2 outer driveshafts <b>Includes:</b> Remove and install 2 wheels Remove and install noise insulation Detach and re-attach 2 suspension links	4041 5099	120 TU
<b>Diagnostic Time:</b>	GFF	No allowance	0 TU
	Road test prior to the service procedure	0121 0002	10 TU
	Road test after the service procedure	0121 0004	10 TU
<b>Claim Comment:</b>	As per TSB 2061464/4		

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
D 154100A1	Locking fluid	0.2

## Additional Information



More information on this system can be found in the following resources:

- Elsa: Chassis >> Suspension, Wheels, Steering >> 40 Front Suspension >> Front Axle >> Drive Axle >> Drive Axle Disassembling, Assembling.

All parts and service references provided in this TSB (**2061464**) are subject to change and/or removal.

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