



40 Cracking noise from front end when changing direction

40 23 62 2061464/5 June 29, 2023. Supersedes Technical Service Bulletin Group 40 number 23-55 dated May 9, 2023, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3, S3, and RS 3	2018 – 2020 2022 – 2024	All	Not Applicable
A3 Sportback e-tron	2018		
A3 Cabriolet	2018 – 2019		
Q3	2019 - 2024		

Condition

REVISION HISTORY		
Revision	Date	Purpose
5	-	Revised header (Added model year)
4	05/09/2023	Revised Warranty (Revised Labor Operations)
3	06/09/2022	Revised header (Added model and model years)

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).

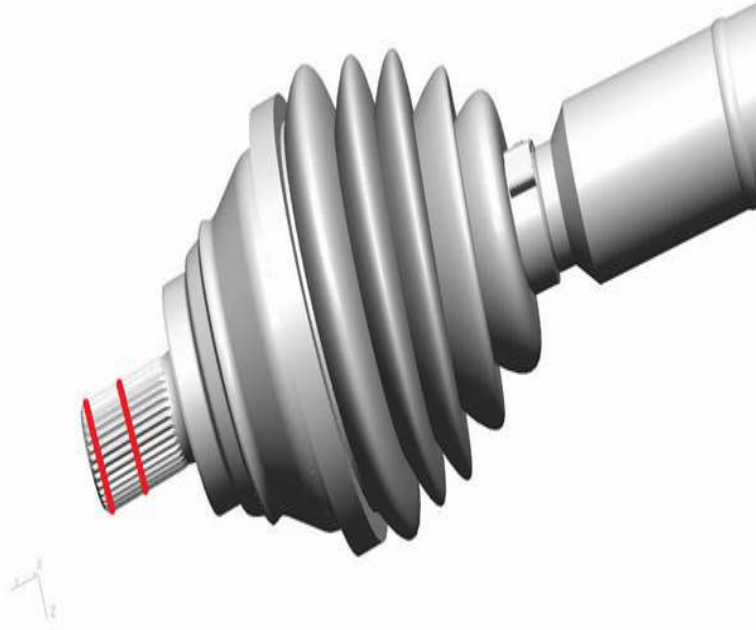


Figure 1. Apply locking fluid around the threaded connection.

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.
- If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.

Technical Service Bulletin



Service Number:	4045		
Damage Code:	0010		
Labor Operations:	Bond in 1 outer driveshaft Includes: 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 Includes: Remove and install 2 wheels Remove and install noise insulation Detach and re-attach 2 suspension links	4041 5099	120 TU
Diagnostic Time:	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
Claim Comment:	As per TSB 2061464/5		

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.

©2023 Audi of America, Inc. All rights reserved. The 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.