

Technical Service Bulletin

39 Bevel box separation point is leaking

39 20 31 2059759/1 June 12, 2020.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q3	2015 - 2020	All	Quattro

Condition

Customer states:

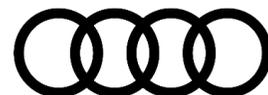
- There is an oil leak from the front end or the engine compartment.

Workshop findings:

- The customer statement can be confirmed.
- The oil leak can be seen along the case seam of the bevel box (Figure 1), on the passenger side of the propeller shaft on side that faces the engine. It should be in-between the two bolts in the picture below marked with arrows (Figure 2). These bolts connect the bevel box to engine bracket (Figure 3 Position 1).



Figure 1. Bevel box case seam leak location.



Technical Service Bulletin

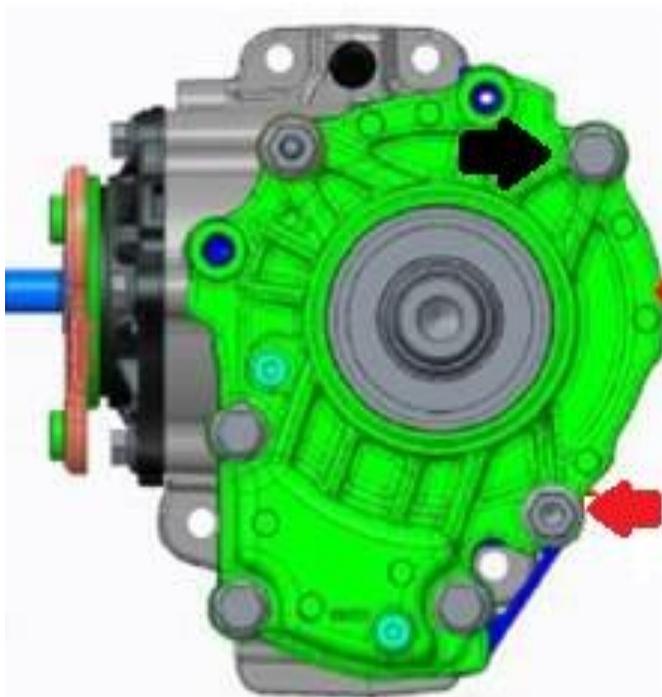


Figure 2. Bolt locations.

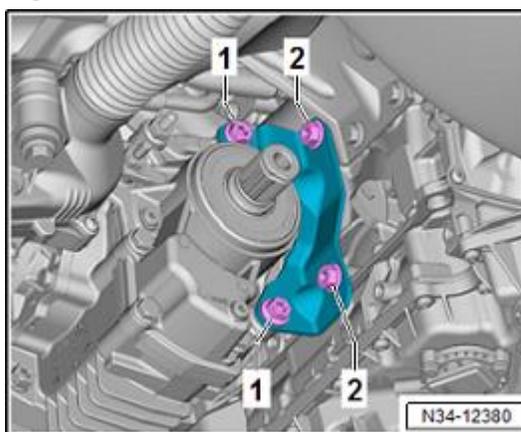
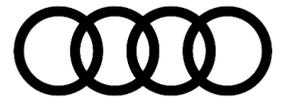


Figure 3. Bolt locations position # 1.

Technical Background

Not applicable.



Technical Service Bulletin

Production Solution

Not applicable.

Service

If the condition above is confirmed perform the following the repair.

1. Remove the bevel box according to the Elsa repair manual.
2. Thoroughly clean the bevel box in the area of the case seam (Figure 1) and the two housing bolts holes (Figure 2 and Figure 3).

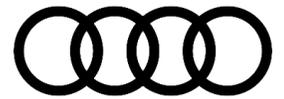


Tip: The old sealant must be completely removed, for example, with a scraper or knife.

3. Apply silicone sealant (part number D 174 003 M2) to the case seam (Figure 4, yellow arrows). Apply a continuous seam of the silicone with a width of about 10 mm (Figure 4, red lines) and a height of about 3 mm.



Figure 4. Silicone sealant application.



Technical Service Bulletin

4. Apply silicone sealant (part number D 174 003 M2) continuously to the holes of the housing bolts just before installation (Figure 5, red circles).



Figure 5. Silicone sealant at bolt holes.

5. Continuously apply the silicone sealant to the shoulder of the removed housing bolts just before installation to form a seal at the engine bracket (Figure 6, position 1).

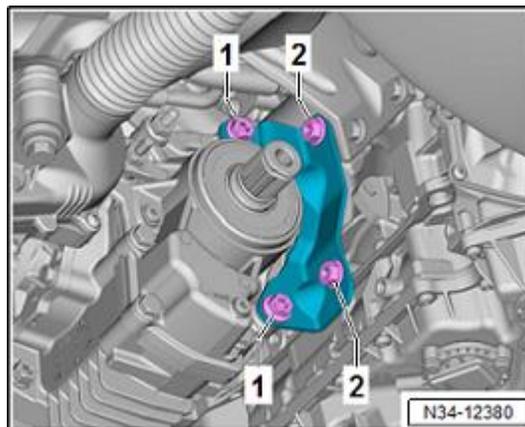
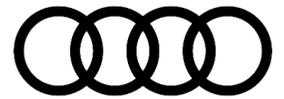


Figure 5. Bolts and engine bracket.

6. Reinstall the bevel box according to the repair manual.



Technical Service Bulletin



Tip: The sealant needs to harden for 2 hours before the powertrain is allowed to come up to operating temperature. The vehicle can be operated to remove from a hoist and parked elsewhere while the sealant hardens. After the sealant has hardened, test drive and confirm that the leak has been repaired.

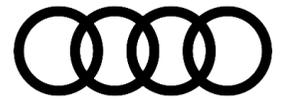
Warranty

Claim Type:	<ul style="list-style-type: none"> • 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	3970		
Damage Code:	0050		
Labor Operations:	Remove and install bevel box	3970 19XX	See SRT
	Clean bevel box	3970 2999	10 TU
	Seal bevel box	3970 5199	30 TU
	Check bevel box (recheck for leaks)	3970 0199	30 TU
Diagnostic Time:	GFF	No allowance	0 TU
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	10 TU
Claim Comment:	As per TSB #2059759/1		

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

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
D 174003M2	Silicone sealant	0.5
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA



Technical Service Bulletin

Additional Information

All parts and service references provided in this TSB (2059759) are subject to change and/or removal.

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