



39-20-01 - Bevel Box Case Half Leak

Release date: 3/1/2022

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Arteon	2019-2021	All	All	All	All
Atlas Cross Sport	2020-2021	All	All	All	All
Atlas	2018-2021	All	All	All	All
Tiguan	2018-2021	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2060391/7	3/1/2022	39-20-01	To adjust labor operation details.
2060391/6	7/29/21	39-20-01	To adjust labor operation details.
2060391/4	5/3/21	39-20-01	To remove Tiguan labor operation 44051900 per Saga and Elsa updates.
2060391/3	3/29/21	39-20-01	To include updated vehicle break information.
2060391/2	2/16/21	39-20-01	To include updated labor operation.
2060391/1	8/14/20	39-20-01	Original publication.

Customer states fluid leak from the front of the vehicle.



Technical Background

Gear oil leak from the case halves of the bevel box due to currently used sealant type (Figure 1).



Figure 1.

Source of leak is between the case halves at the right side of the bevel box between the two bolts seen in Figure 2 (red and black arrows).

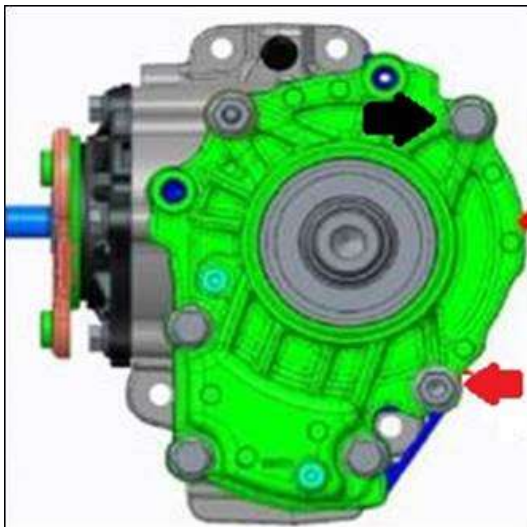


Figure 2.



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Production Solution

Improved bevel box design used in vehicle production as of March 26th 2021.

Service

If the bevel box leak is confirmed to be from between the case halves, perform the following steps:

**Note:**

The repair described here applies to bevel box 0A6 only.

If the source of the leak is not from the case halves, this TB does not apply.

- Remove the bevel box per ElsaPro instructions.
- Clean the exterior of the bevel box of any leaked gear oil using a residue free cleaner.
- Remove old sealant from the exterior of the bevel box in the area where new exterior sealant will be applied as see in Figure 3, (between red lines and yellow arrows).

**Tip:**

A scraper or razor can be used to remove old sealant from the surface of the bevel box.



Figure 3.



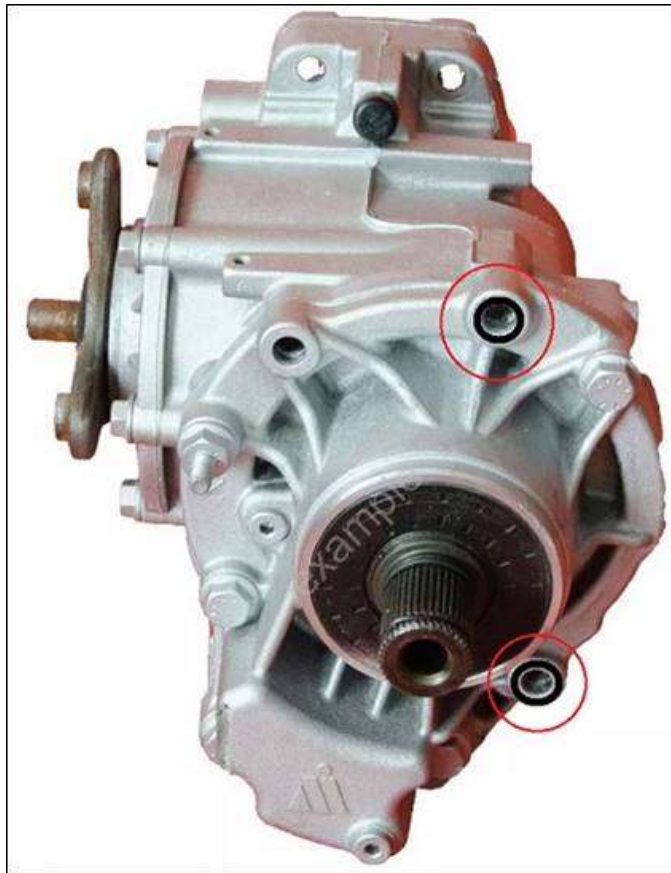
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- Using silicone sealant part number D 174 003 M2, apply a 10 mm wide 3mm high bead of silicone sealant on the case halves in the area shown in Figure 3.
- Also apply a continuous bead of the silicone sealant to the face of the two bolt holes seen in Figure 4.

**Note:**

Ensure that the silicone sealant is applied as pictured in Figure 4. Only apply silicone sealant to the outer surface of the bevel box and do not allow silicone sealant to get into the bolt holes or threads as reassembly will be difficult.

**Figure 4.**

- Allow the silicone sealant to cure for at least two hours, reassemble the bevel box into the vehicle per ElsaPro instruction, road test and check for any further signs of leakage.

**Note:**

Due to the gear oil leak, the bevel box fluid level will need to be checked and if needed topped up.

- If leaking continues, contact the Volkswagen Technicians Helpline.



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Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Arteon	2019-2021	All	All	All	All
Atlas Cross Sport	2020-2021	All	All	All	All
Atlas	2018-2021	All	All	All	All
Tiguan	2018-2021	All	All	All	All
SAGA Coding					
Claim Type:		Use applicable Claim Type ¹⁾			
Service Number:	Damage Code	HST	--		
3970	0050	--	--		
Parts Manufacturer		Arteon, Atlas, Atlas Cross Sport		WVO ²⁾	
		Tiguan		3ME ²⁾	
Labor Operation ³⁾ : Arteon Remove and Install Bevel Box			39701954 - See ElsaPro for latest time units		
Labor Operation ³⁾ : Arteon Remove and Install Driveshaft			404119XX - See ElsaPro for latest time units		
Labor Operation ³⁾ : Arteon Remove and Install Wheel			44051900 - See ElsaPro for latest time units		
Labor Operation ³⁾ : Atlas, Atlas Cross Sport (V6) Remove and Install Bevel Box			39701950 - See ElsaPro for latest time units		



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Labor Operation ³⁾ : Atlas, Atlas Cross Sport (V6) Remove and Install Front Exhaust Pipe	26171990 - See ElsaPro for latest time units
Labor Operation ³⁾ : Atlas, Atlas Cross Sport (V6) Remove and Install Shield	26121990 - See ElsaPro for latest time units
Labor Operation ³⁾ : Atlas, Atlas Cross Sport (V6) Upper Intake Manifold Removed+Reinstalled	24471990 - See ElsaPro for latest time units
Labor Operation ³⁾ : Atlas, Atlas Cross Sport (V6) Air Hose Remove+Install	24381940 - See ElsaPro for latest time units
Labor Operation ³⁾ : Atlas, Atlas Cross Sport (2.0T) Remove and Install Bevel Box	39701973 - See ElsaPro for latest time units
Labor Operation ³⁾ : Atlas, Atlas Cross Sport (2.0T) Noise Dampening Pan Removed+Installed	10821900 - See ElsaPro for latest time units
Labor Operation ³⁾ : Atlas, Atlas Cross Sport (2.0T) and (3.6) Final Drive Oil Inspected+Added	39903550 - See ElsaPro for latest time units
Labor Operation ³⁾ : Atlas, Atlas Cross Sport ATF Inspected and added	37023550 = See Elsa for latest time units.
Labor Operation ³⁾ : Atlas, Atlas Cross Sport (2.0T) and (3.6) ONLY.	01500000 = 30 TU max.
Labor Operation ³⁾ : Tiguan Remove and Install Bevel Box + Clean/Prep	39701999 = 190 TU
Labor Operation ³⁾ : Tiguan Front driveshaft	404119XX = See ElsaPro for latest time units
Labor Operation ³⁾ : Tiguan Front Exhaust Pipe Remove+Installed	26171970 = See ElsaPro for latest time units
Labor Operation ³⁾ : Tiguan ATF Inspected and added	37023550 = See ElsaPro for latest time units



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Labor Operation ³⁾ : All (except Tiguan) Clean/prep Bevel Box		39701999 = 20 TU
Causal Part:		397019XX – Bevel Box Labor
Diagnostic Time ⁴⁾		
GFF Time expenditure	01500000 = Actual GFF print out	NO
Road Test	01210004 = 10 TU	YES
Technical Diagnosis	01320000 = 00 TU max.	NO
Claim Comment: Input “As per Technical Bulletin 2060391” in comment section of Warranty Claim.		
<p>¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.</p> <p>²⁾ Code per warranty vendor code policy.</p> <p>³⁾ Labor Time Units (TUs) are subject to change with ELSA updates.</p> <p>⁴⁾ Documentation required per Warranty Policies and Procedures Manual.</p>		

Required Parts and Tools

Tool Description	Tool No:
Silicone Sealant	D 174 003 M2
Axle Oil	G 052 145 S2
12 Point Socket Head Screw (x3) (Tiguan)	N 908 461 02
Gasket (Tiguan)	5Q0 253 115 B

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.