



Technical Service Bulletin

37 Oil appears to be leaking from the transmission pan gasket or the transfer case

37 20 01 2039650/2 July 16, 2020. Supersedes Technical Service Bulletin Group 37 number 15-55 dated February 5, 2015 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4	2011 - 2016	All	0BK Transmission
A5, A5 Cabriolet, and Q5	2011 - 2017	All	0BK Transmission
A6, A7	2012 -2018	All	0BK Transmission
A8	2011 - 2018	All	0BK Transmission

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised title (Added transfer case to title) Revised header (Added all Model Years of 0BK Transmission) Revised <i>Service</i> (Added diagnosis steps and new repair) Revised <i>Warranty</i> (Updated Claim Types and added Labor Operations) Revised <i>Required Parts and Tools</i> (Added table)
1	02/05/2015	Initial publication

Customer states:

- There is an oil leak from underneath the vehicle.

Workshop findings:

- The leak may appear to be from the transmission oil pan gasket or the transfer case seam.

Technical Background

Although the leak may appear to be from the transmission oil pan gasket, there are multiple possible sources for the leak. The leak must be diagnosed to determine the actual location before any repairs are attempted.



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Production Solution

Not applicable.

Service

1. Clean and remove all oil residue from the transmission and allow the surface to dry.
2. Confirm the exact location of the leak by applying oil leak tracing powder to the suspected areas of the leak, including the sides. Do not use oil dyes in any Audi transmissions.

You must check the weep hole of the double seal between the transmission and transfer case, which is located on the driver's side of the vehicle (Figure 1). A leak from this location can appear to be from the pan gasket if the oil is not cleaned off and a proper diagnosis performed using oil leak tracing powder.

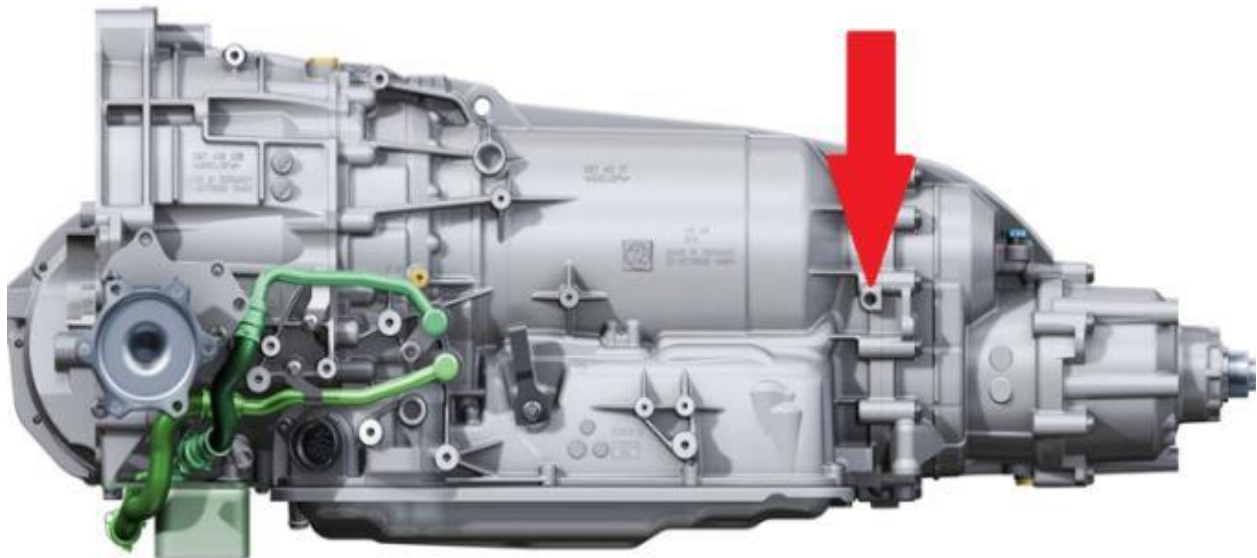


Figure 1. Location of the double seal weep hole.

3. If the transmission oil is leaking from the weep hole of the double seal (Figure 1) skip to step 6.
4. If the transmission oil is leaking from a serviceable gasket or external seal, repair per the repair manual and this TSB does not apply.
5. If the transmission oil is leaking from a non-serviceable part and the vehicle is covered under warranty, open an Audi Technical Assistance Center (TAC) case with pictures of the oil leak attached and your diagnosis information. Then contact the Audi Technical Assistance Center (TAC). *If the vehicle is no longer covered under a new vehicle warranty or Certified Pre Owned warranty you may continue with your diagnosis and repair.*



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6. An oil leak from the weep hole of the double seal is repairable and the instructions are available in the Elsa Repair Manual at: *Drivetrain >> Servicing – 8-Speed Automatic Transmission >> 39 Final Drive, Differential >> Transfer Case >> Transfer Case, Disassembling and Assembling* (Figure 2). There is a repair kit in the parts catalog containing the double seal, transfer case gasket, and hardware that will be needed for the repair (Figure 3).

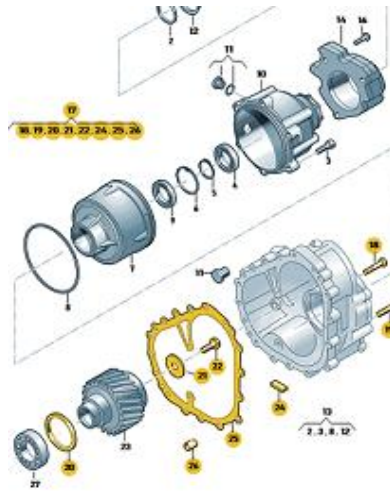
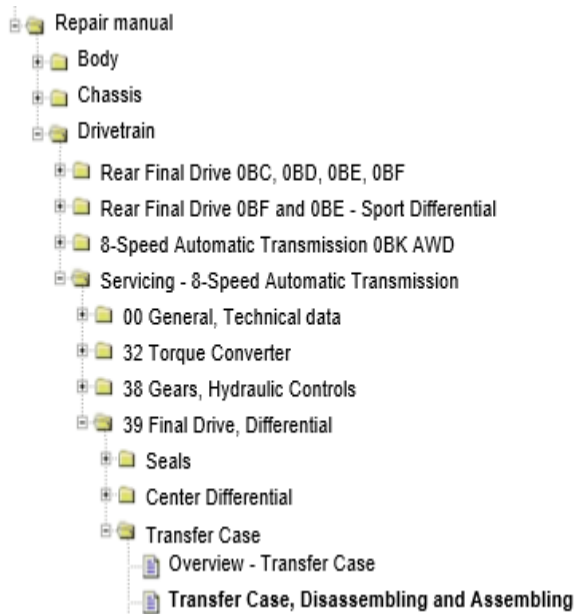


Figure 3. Repair kit.

Figure 2. Location of the repair instructions.

7. To perform this repair you will need 4 special tools that are not currently mandatory minimum required tools. The tools are not very expensive and should be in stock for you to order. If the vehicle is under any warranty the tools are required and the repair must be performed per the repair manual.

If the vehicle is not covered by any warranty, Audi of America recommends using the special tools required for this repair performed as the customer cost is much lower than replacing a complete transmission.

8. After repair recheck for leaks to confirm the repair.

Warranty

Claim Type:	<ul style="list-style-type: none">If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.
Service Number:	3992
Damage Code:	0050



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Labor Operations:	Clean Transmission and apply leak tracing powder: check for leaks	3992 9999	30 TU
	Remove and install prop shaft (See ELSA, labor operation different by model)	3902 XXXX	See SRT with associated operations
	Replace seal for the transfer box	3992 5599	250 TU
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	No allowance	0 TU
	Road test prior to service procedure	0121 0002	10 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB #2039650/2		

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
G 001900A1 (or equivalent)	Oil leak locating spray	Shop Supply
(Order to VIN) 0BK498111K Or 0BK498111F	Set of gaskets for transfer box (Production date dependent check ETKA)	01

Tool Number	Tool Description
T40381	Assembly Device
VW637/2	Puller - Grease Cap



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VW511	Bearing Installer - Differential Bearing
VAS251411	Splitter
3118	Press Piece - Bushing
VW416B	Press Piece - 37mm
VW447H	Press Piece - Multiple Use
VW447I	Press Piece - Multiple Use

Additional Information

All parts and service references provided in this TSB (2039650) are subject to change and/or removal.

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