



Technical Service Bulletin

34 Transmission oil leak from the case seam

34 20 49 2052421/3 November 13, 2020. Supersedes Technical Service Bulletin Group 34 number 19-42 dated November 21, 2019 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
R8	2013 - 2019	All	With S-tronic transmission

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised header (Added missing model)
2	11/21/2019	Revised header (Added missing model) Revised <i>Warranty</i> (Updated Claim Types and Labor Operations)
1	09/18/2018	Initial publication

Customer states:

- Oil leak from rear of the vehicle.

Workshop findings:

- Transmission oil leaking from case seam at the front of the intermediate housing.

Or

- One or several steel bolts of the seam at the front of the intermediate housing are loose.

Technical Background

Deviation of tightening torque of case seam bolts.

Production Solution

Improved installation procedure.



Technical Service Bulletin

Service

Check and record the transmission build date for your records or possible Audi Technical Assistance Center contact. The build date is located on the top of the transmission bellhousing on the passenger side (Figure 1). The date is stamped into the bellhousing in Day-Month-Year format.

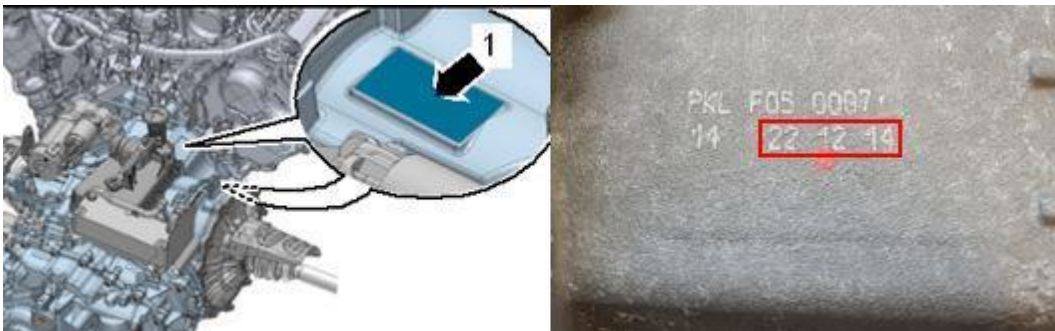


Figure 1. Example of a gearbox production date.

1. Clean the transmission thoroughly with brake clean (or another degreasing solvent) and make sure the transmission and case seams are completely dry before proceeding.
2. Apply oil leak detection spray (part number G 001 900 A1 or a locally available talcum based oil leak detection spray equivalent) to the suspected leak area, case seams, drain plugs, mechatronics cover, or any other areas suspected of leaking.
3. Test drive the vehicle and reassess the oil leak after the test drive.
4. Take clear pictures of the leak location for your records or a possible Audi Technical Assistance Center contact (Figure 2).



Technical Service Bulletin



Figure 2. Oil leak example.

5. If the oil leak is from the seam at the front of the intermediate housing shown in Figure 2 proceed to step 7 in this TSB.
6. If the oil leak is not from the location shown in Figure 2 this TSB does not apply and you should complete your diagnosis outside of this bulletin. Take clear pictures of the leak location and open an Audi Technical Assistance Center contact. Attach the pictures of the oil leak to technical inquiry and contact the Audi Technical Assistance Center.
7. Check the seven steel bolts (Figure 3) for a torque of 25 Nm. The seven bolts have a hex head with an internal polygon socket (triple square). If one or several bolts do not have the specified torque (25 Nm), document which bolts (1 through 7) were not tightened correctly.



Technical Service Bulletin

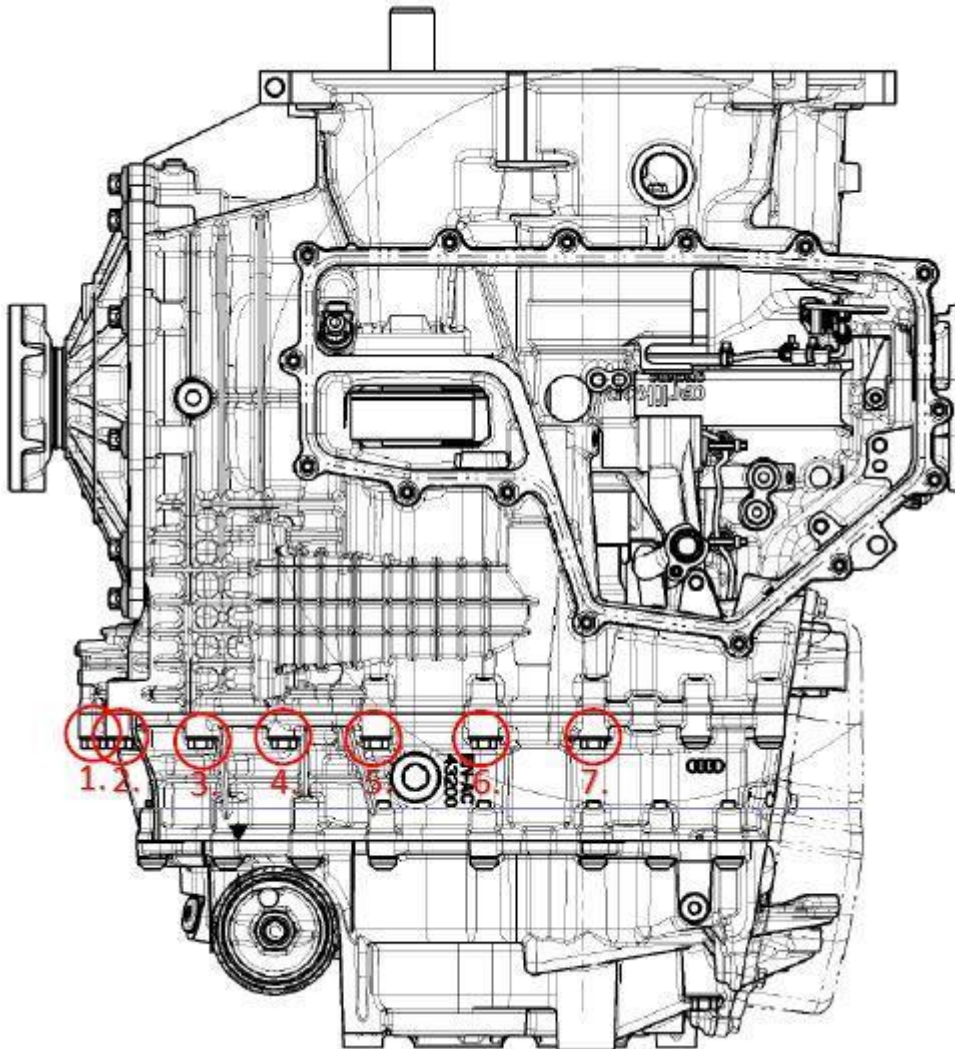


Figure 3. Bolt locations.

8. Replace the incorrectly tightened bolts individually with a torque of $20\text{Nm} + 90^\circ$. Do not replace any bolts that were not loose.



Note:

Never remove two or more bolts at the same time.

9. Check and adjust the transmission oil level according to the Repair Manual.
10. Clean off any residual oil and apply oil leak detection spray to the case seam again.
11. Test drive the vehicle and recheck for leaks. If there are no more leaks the repair is complete.



Technical Service Bulletin

12. If there is still a leak from the case seam, open an Audi Technical Assistance Center contact. Attach the pictures of the oil leak to the technical inquiry. Enter the transmission build date into the inquiry and contact the Audi Technical Assistance Center for further directions.

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 the vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	3435		
Damage Code:	0050		
Labor Operations:	Model Years 2013 to 2015 (Model Code 42):		
	Noise dampening pan remove + reinstall (Coupe and Spyder)	1082 1900	See SRT with associated operations
	Model Years 2016 to 2018 (Model Code 4S):		
	Noise dampening pan remove + reinstall (Coupe only)	1082 1902	See SRT with associated operations
	Noise dampening pan remove + reinstall (Spyder only)	1082 2001	See SRT with associated operations
	All Model Years:		
	Check gearbox housing for leaks (incl. photos)	3435 2999	40 TU
	Replace and properly tighten bolts (As needed)	3435 5199	30 TU
	Transmission oil inspect + add	3401 3550	See SRT with associated operations
Diagnostic Time:	GFF	No allowance	0 TU
	Road test prior to service procedure	0121 0002	10 TU



Technical Service Bulletin

	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB #2052421/3		

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
G052529A2	Dual Clutch gearbox oil	As needed for level correction
N 91145501	Bolt, Steel Hexagon with Polygon socket	Required quantity according to the result of diagnosis
G001900A1	Oil leak detection spray (or equivalent)	Shop Supply
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA

Additional Information

All parts and service references provided in this TSB (2052421) are subject to change and/or removal.

©2020 Audi of America, Inc. All rights reserved. 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.