



Technical Service Bulletin

34 Oil loss via breather line on gearbox

34 18 28 2049944/1 February 7, 2018.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
R8	2017 - 2018	All	Not Applicable

Condition

Customer statement:

- Oil leak in the rear of the vehicle after a particularly sporty drive.

Workshop findings:

- Oil leak can be detected through the breather line of the gearbox.

Technical Background

The cross section of the breather line is too small for a dynamic driving style (race circuit operation). This can lead to oil loss via the breather line on the gearbox after extensive aggressive race circuit driving.

Production Solution

Improved double vent tube introduced in production.

Service

If the oil leak is confirmed to be from the top of the transmission vent tube replace the vent tube with the newer double tube design.



Tip: The powertrain was removed from the vehicle for some of the pictures in this TSB. This was to obtain clear pictures of installation and the powertrain does not need to be removed for this repair.



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The original transmission vent tube is routed from the drivers' side of the transmission behind the starter to the back of the engine ending in-between the throttle bodies (Figure 1).



Figure 1. Original transmission vent tube.



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The new twin tube design will be installed in the same location but it is secured slightly different (Figure 2).



Figure 2. New transmission vent tube.



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Parts required for this update (Figure 3):

1. Updated Double Vent Tube 0BZ 301 469 A
2. Clamp N 101 029 03
3. 2x Hose holder N 103 150 02
4. WHT 001 999
5. Bolt N 910 696 01



Figure 3. Required parts.



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1. Remove the drivers' side air filter housing (upper and lower housing) according to the repair manual.



Note:

For the R8 V10 the rear retractable spoiler needs to be removed (Figure 4, top).



Note:

For the R8 V10 Plus the panel ahead of the fixed spoiler needs to be removed (Figure 4, bottom).



Note:

For the R8 Spyder the engine compartment lid must be removed according to the Repair Manual (Figure 5).

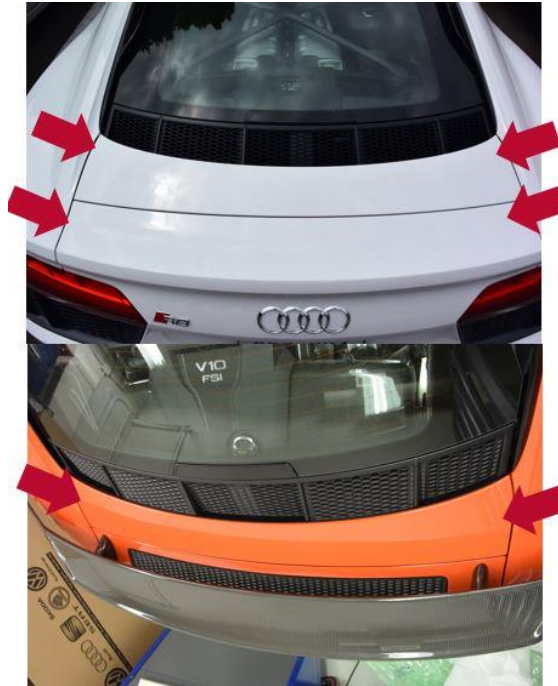


Figure 4. Panel removal.



Figure 5. Spyder engine compartment lid removed.

2. Remove the drivers' side vent hose from the engine oil tank. Feed it through the hole in the bracket and tuck it out of the way under the bellows on the drivers' side (Figure 6).

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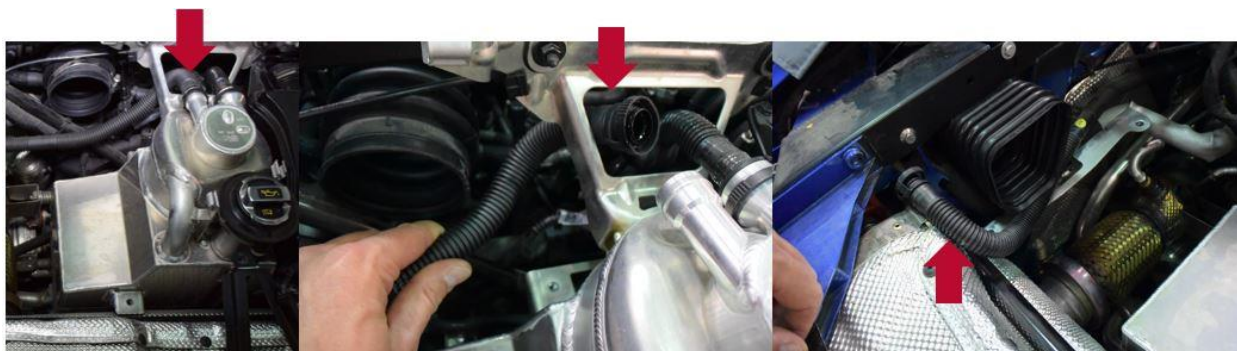


Figure 6. Oil tank vent hose.

3. The vent hose connection at the gearbox is just underneath the front of the engine oil tank behind the starter (Figure 7).



Figure 7. Transmission vent hose connection.

4. There may be a couple of clips securing the wiring harness to the vent hose. Remove the clips from the wiring harness (Figure 8).

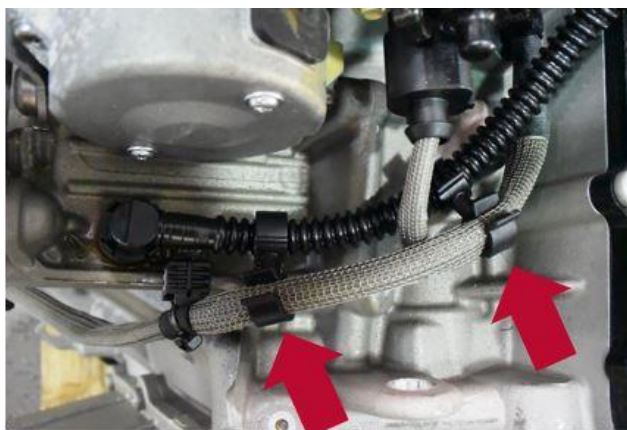


Figure 8. Transmission vent hose connection.



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5. The upper attachment of the vent hose is attached to a crankcase ventilation at the back of the engine with a double cable tie. Remove the double cable tie and discard it. You should now be able to remove the transmission vent tube from the vehicle (Figure 9).



Figure 9. Upper attachment of vent hose.

6. Install the clips onto the new hose assembly before installation into the vehicle (Figure 10).



Figure 10. Clip installation.



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7. Pay close attention to ensure that the clips are installed with passenger side offset higher than drivers' side hose (Figure 11).



Figure 11. Clip installation.



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8. Carefully feed the new double vent in to place. The vent hose needs to be installed under the transmission wiring connection and under the starter solenoid wiring connection (Figure 12).

Depending on the car it might be easier to disconnect the wiring connections and reconnect them after installing the vent hose.

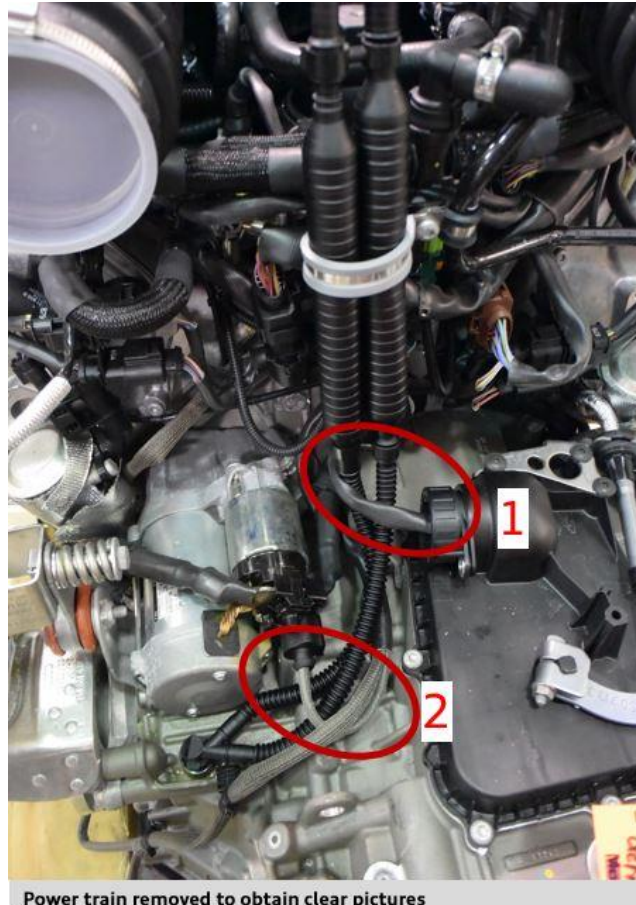


Figure 12. Vent hose routing.

9. Install the supplied cable tie and anchor clip as shown to the rear of the vent hoses with wiring contained in the zip tie. The cable tie does not need to be very tight, just enough to make sure the vent hoses are secure and cannot make contact with the starter motor (Figure 13).

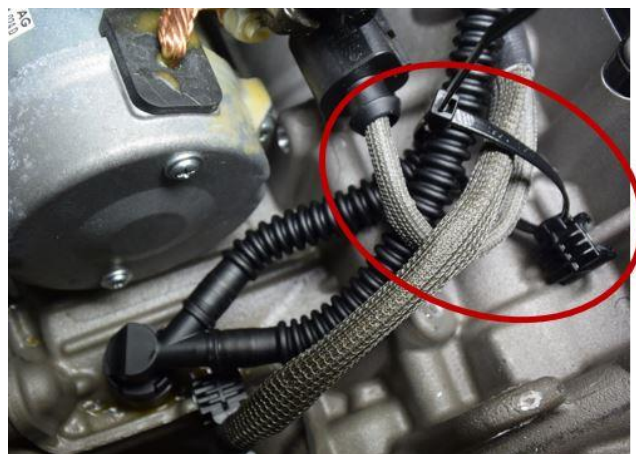


Figure 13. Cable tie and anchor clip installation.



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10. Remove the torx head bolt from the clamp holding the hard plastic vacuum hose (Figure 14) and discard the bolt.



Figure 14. Bolt.

11. Install the supplied metal clamp with the new longer torx head bolt. Adjust the pipe height as shown (Figure 15) with the top of the vents at about the same level as the top of the throttle bodies and tighten the torx head bolt.



Figure 15. Vent hose installation.



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12. Before going any further make sure to double check the lower transmission vent hose is still installed and fully seated at the transmission (Figure 16).



Figure 16. Vent hose connection at the transmission.

13. Reinstall the drivers' side air filter housing, trim, covers retractable spoiler or other body panels removed for access to the air filter housing according to the Repair Manual.
14. Check the Transmission ATF level and correct the level if needed.
15. Test drive and recheck for leaks.



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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:	3435		
Damage Code:	0050		
Labor Operations:	Coupe:		
	Remove transmission vent and install updated vent	3435 9999	190 TU
	Air cleaner remove + reinstall	2425 1901	60 TU
	Spyder:		
	Remove transmission vent and install updated vent	3435 9999	200 TU
	Air cleaner remove + reinstall	2425 1902	70 TU
Diagnostic Time:	GFF	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 #2049944/1		

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

Part Number	Part Description	Quantity
0BZ 301 469 A	Vent Tube	1
N 911 237 01	Clamp	1
N 103 150 02	Holder - Hose	2
WHT 001 999	Tie wrap with socket	1



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N 910 696 01	Hexagon socket flat head bolt	1
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Additional Information

All parts and service references provided in this TSB (2049944) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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