

Leakage on TRANSMISSION 725. 0 (9G TRONIC) model series 166/292

Topic number	LI27.00-P-067577
Version	1
Function group	27.00 General
Date	01-10-2018
Validity	Leakage on TRANSMISSION 725.0 in model series 166/292
Reason for change	
Reason for block	

Complaint:

Leakage on transmission 725.0 (9G TRONIC) in area of transfer case/adaptor housing.

If leakages are detected on the TRANSMISSION 725.0 (9G TRONIC), work through the tests with any remedial measures.

Attachments	
File	Description
Öl im Bereich RWDR am Getriebe 725.0.jpg	Oil in radial shaft sealing ring area on transmission 725.0
Öl im Rundflansch am Getriebe 725.0.jpg	Oil in round flange on transmission 725.0

Cause:

- Tightening torque on collar nut (output shaft)
- Leakage on transfer case
- Leakage at radial shaft sealing ring (RSS)

Remedy:

Localize leakage by checking oil. For better differentiation of the oil, drops should be placed onto a white sheet of paper:

- Gold-yellow oil leaks from transmission 725.0 (9G TRONIC)
- Red oil leaks from the transfer case

If gold-yellow oil detected: Check if oil is visible on round flange/collar nut.

If oil is visible on round flange:

1. Assess caulking of collar nut and determine release torque of collar nut
2. Replace collar nut (B) and round flange (A), clean everything beforehand
3. Tighten new collar nut to 220 ± 20 Nm (initial tightening torque), then release collar nut by 30° , finally tighten collar nut again to 200 ± 20 Nm (second tightening torque)
4. Caulk new collar nut according to specification
5. Specify damage code 27332 38.

If oil is visible in area of radial shaft sealing ring, replace it and specify damage code 27311 04.

For red oil:

Repair seals and gasket surfaces in transfer case in accordance with WIS specification and assign corresponding damage code.

XENTRY TIPS

Symptoms
Power transmission / Automatic transmission / Leakage / Leaks

Parts

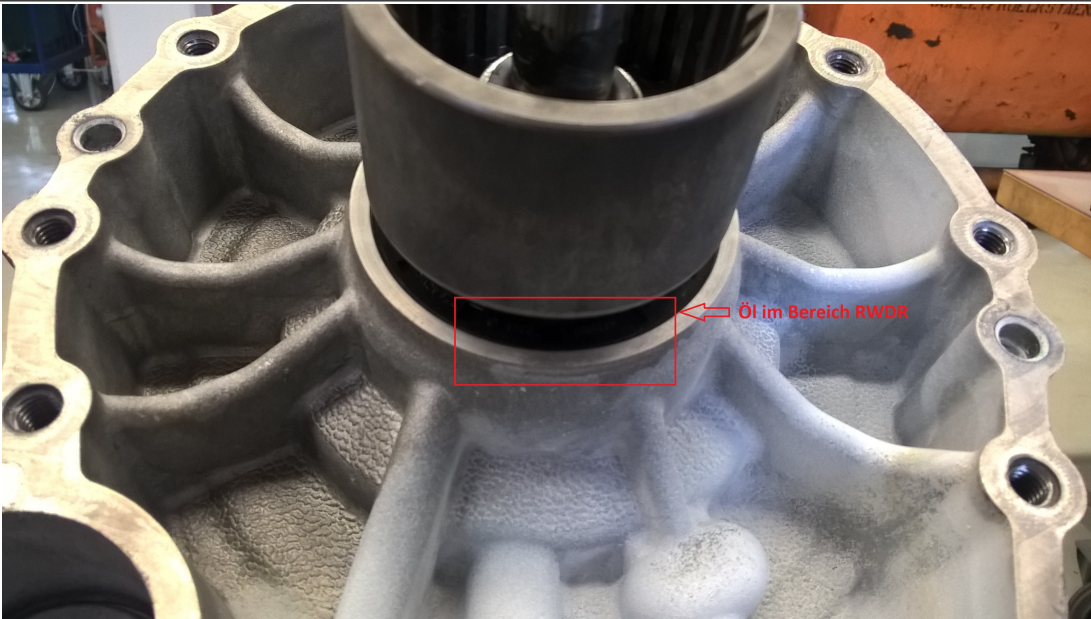
Attachments	
File	Description
Bundmutter (B) und Rundflansch (A) am GETRIEBE 725.0.JPG	Collar nut (B) and round flange (A) on TRANSMISSION 725.0.

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			27332 38	Bolt/nut for output flange for automatic transmission loose
			27311 04	Radial shaft sealing ring on transmission housing at rear leaky

Validity		
Vehicle	Engine	Transmission
GL/GLS (166)	*	725
GLE (292)	*	725
M/GLE (166)	*	725

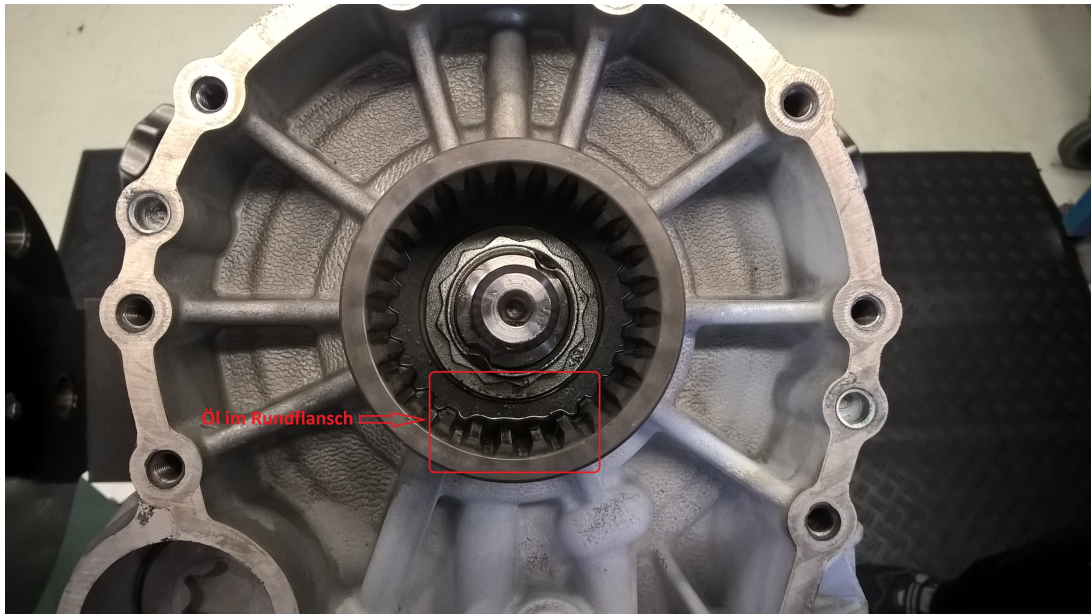
Attachments

Öl im Bereich RWDR am Getriebe 725.0.jpg:



XENTRY TIPS

Öl im Rundflansch am
Getriebe 725.0.jpg:



Bundmutter (B) und
Rundflansch (A) am GE-
TRIEBE 725.0.JPG:

