

**Complaints Regarding Shifting Quality on Double-Clutch Transmissions in Conjunction with Message "Transmission Faulty" (SY 88/25)**

Model Line: **718 (982)**

Model Year: **As of 2017**

Concerns: **Double clutch transmission**

Symptom: **The customer complains about juddering when driving off or driving under light load, usually in conjunction with the message "Transmission faulty" in the instrument cluster.**



**Information**

There are **no** external leaks/leakages detected on the transmission.

Cause: During vehicle operation, internal leakage in the double-clutch transmission can lead to oil transfer from the hydraulic room (ATF/hydraulic oil) into the gearset room. As a result, the insufficient ATF/hydraulic oil quantity leads to oil pressure deviations and thus to different functional and comfort faults.

Remedial Action: If the customer complaint can be traced and **no external leak can be detected on the transmission**, check the fill level of the ATF oil and then the fill level of the final drive oil (transmission oil) if necessary.



**Information**

All test steps must be documented with clearly recognisable images and/or videos (oil quantity display) as well as the respective labelling and uploaded to the PCSS quality line.

**Required parts and materials**

Parts Info:	<b>Part No.</b>	<b>Designation – Location</b>	<b>Number</b>
	PAF008528	⇒ Screw plug, M18 x 1.5 – ATF filler screw	1 piece
	<b>Additionally required part if the oil for final drive (transmission oil) must be tested:</b>		
	PAF008528	⇒ Screw plug with sealing ring M18 x 1.5 – Filling screw for gearset compartment	1 piece

Material: **Required materials** (usually already available in the Porsche Center)

Part No.	Designation	Quantity
00004330513	⇒ Transmission oil, clutch, 1L	0.5 liter (16.9 fl-oz)

### Required tools

- Tools:
- **P90999 - Porsche Tester 4**
  - Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g. **VAS 5908 - battery charger 90 A**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charge battery and vehicle electrical system'*
  - Torque wrench, 2-10 Nm (1.5-7.5 ftlb.), e.g. **V.A.G 1783 - torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
  - Torque wrench 6-50 Nm (4.5-37 ftlb.), e.g. **V.A.G 1331A - torque wrench 6-50 Nm (4.5-37 ftlb.)**
  - **9768 - Electronic torque wrench, 2-100 Nm (1.5-74 ftlb.)**
  - **VAS 6563 - Manual metering pumps, Porsche set**
  - **VAS 6622A - Used Oil Collection and Extraction Unit**
  - Measuring cup, commercially available

### Checking fill level of ATF oil and oil for final drive (transmission oil)



#### Information

The work procedure described below must be documented with images and/or videos and attached to the PCSS quality line.

- Work Procedure: 1 Check fill level of ATF oil.  
⇒ *Workshop Manual '370235A2 Check and top up ATF.'*

Assessment		Action
(✓)	Oil level is OK or could only be topped up in small quantities.	Inspection <b>OK</b> .  The action described in this symptom-based repair description (SY) is not expedient. Continue troubleshooting in some other way.  <b>End of action.</b>
(x)	At least 0.5 liters (16.9 fl-oz) of ATF oil can be refilled.	Inspection <b>not OK</b> .  Check final drive oil (transmission oil) fill level. Continue with Step ⇒ 2.

- 2 Check final drive oil (transmission oil) fill level.  
⇒ *Workshop Manual '399035 Checking and topping up oil for final drive (transmission oil)'*

**Information**

Place a suitable measuring cup beforehand, collect any leaking final drive oil and measure and document the quantity leaked.

Assessment		Action
(✓)	The oil level in the final drive (transmission oil) is OK.	<p>Inspection <b>OK</b>.</p> <p>The action described in this symptom-based repair description (SY) is not expedient. Continue troubleshooting in some other way.</p> <p><b>End of action.</b></p>
(x)	Fill level in the final drive oil (transmission oil) is <b>exceeded by at least 0.5 liters (16.9 fl-oz)</b> .	<p>Inspection <b>not OK</b>.</p> <p>The excessive fill level is due to oil mixing by oil transfer from ATF oil into the final drive oil (transmission oil) of the double-clutch transmission.</p> <p>Attach created image and/or video documentation (oil quantity display) with the respective labelling of the PCSS quality line.</p> <p><b>Replace double clutch transmission.</b></p> <p>For work procedure, see: ⇒ <i>Workshop Manual '373427A2 Remove and mount double-clutch transmission'</i></p>

**Labor position and PCSS encryption**

Labor position:

APOS	Labor operation	I No.
37023590	Check and top up ATF.	
39903590	Check and top up oil for final drive	

PCSS encryption:

Location (FES5)	37340	Double-clutch transmission
Damage type (SA4)	5046	internal oil mixing

**Important Notice:** Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.

© 2025 Porsche Cars North America, Inc.