

**Power Transmission Symptom - 7th Gear cannot be Engaged: Checking Locking Piece (SY 27/23)**

**Change Overview**

Release	Date	Change
0	05/16/2023	▪ First Publication
1	02/19/2026	▪ Change to PCSS Encryption

Model Line: **911 (991)**

Model Year: **As of 2017**

Equipment: **7-speed manual transmission (I-no. 487)**

Concerns: **Lock**

Symptom: Customers complain that 7th gear cannot be engaged.



**Information**

The 7th gear can only be engaged if the 5th or 6th gear had been engaged.

Cause: The locking piece may be jammed by metal particles.

Remedial Action: In the event of a customer complaint, check the locking piece and replace it if necessary.

**Required tools**

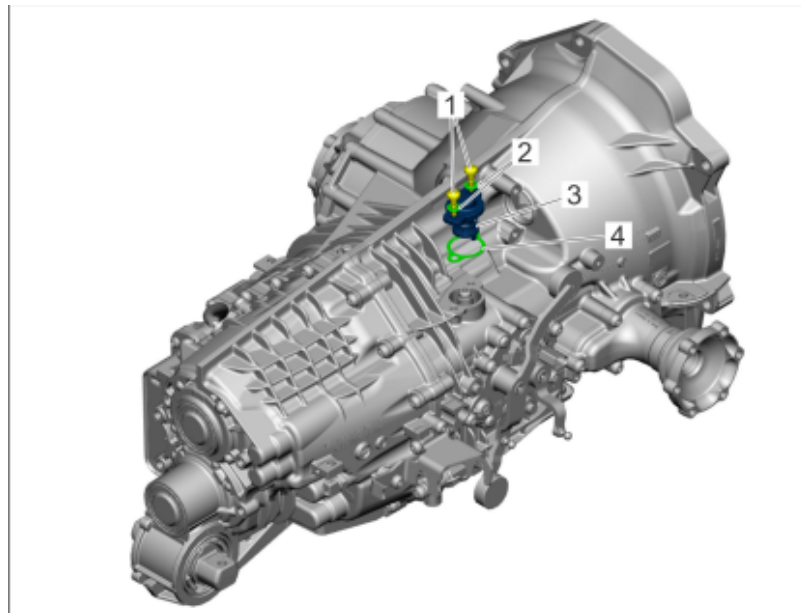
- Tools:
- Disassembly tool, e.g. **VAS 6933 - disassembly tool**
  - Torque wrench, 2-10 Nm (1.5-7.5 ftlb.), e.g. **V.A.G 1783 - torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
  - Torque wrench, 6-50 Nm (4.5-37 ftlb.) e.g. **V.A.G 1331A - torque wrench, 6-50 Nm (4.5-37 ftlb.)**
  - Torque wrench, 40-200 Nm (30-148 ftlb.) e.g. **V.A.G 1332A - torque wrench, 40-200 Nm (30-148 ftlb.)**
  - Engine and gearbox jack, e.g. **VAS 6931 - engine and gearbox jack**

**Required parts (as needed)**

Parts Info:	Part No.	Designation – Point of use	Quantity
	99130310300	⇒ Lock	1 piece
	99130380200	⇒ Seal – Locking piece	1 piece
	99130380400	⇒ Fitting screw with sealing washer – Locking piece	2 pieces
	99907284101	⇒ M10 x 50 combination screw – Transmission support on body	2 pieces
	99907605301	⇒ M10 hexagon nut – Transmission support on body	2 pieces

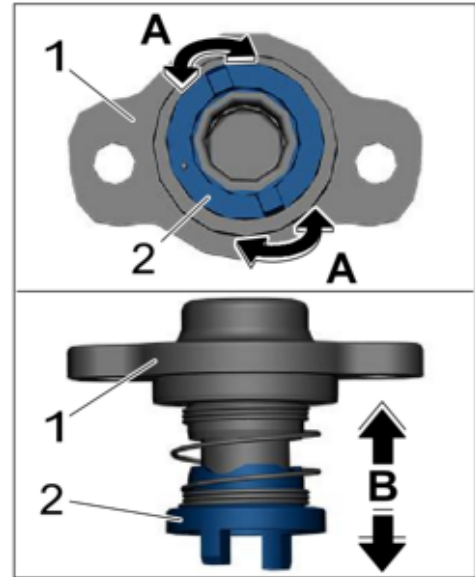
**Work Procedure**

- Work Procedure: 1 Remove locking piece ⇒ *Lock -3-*.  
⇒ *Workshop Manual '353019 Removing and installing locking piece'*



Lock

- 2 Check locking piece ⇒ *Checking locking piece -1-*.
  - 2.1 Check by hand whether the locking sleeve ⇒ *Checking locking piece -2-* can be rotated ⇒ *Checking locking piece -Arrow A-* and moved axially ⇒ *Checking locking piece -Arrow B-*.



Checking locking piece

Assessment		Action
(✓)	Locking sleeve can be rotated and moved axially.	<p><b>Locking piece OK</b> Install locking piece and continue diagnosis by other means.</p> <p>⇒ <i>Workshop Manual '353019 Removing and installing locking piece'</i></p>
(✗)	Locking sleeve cannot be rotated and / or moved axially.	<p><b>Locking piece defective</b> Install <b>new</b> locking piece.</p> <p>⇒ <i>Workshop Manual '353019 Removing and installing locking piece'</i></p>

**Working position and PCSS encryption**

Labor position:

APOS	Labor operation	I No.
35301948	Removing and installing locking piece	

PCSS encryption:

<b>Location (FES5)</b>	34350	Transmission
<b>Damage type (SA4)</b>	1127	does not shift

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