

Power Transmission Symptom – 7th Gear cannot be engaged: Checking Locking Piece (SY 27/23)

Model Line: **911 (992)**

Model Year: **As of 2019**

Equipment: **7-gear manual transmission including Sport Chrono package (M-No. G1M)**
7-gear manual transmission including Sport Chrono package (M-No. G1L)

Concerns: **Locking piece**

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.)**
 - Transmission and gearbox jack, e.g. **VAS 6931 - Transmission and gearbox jack**

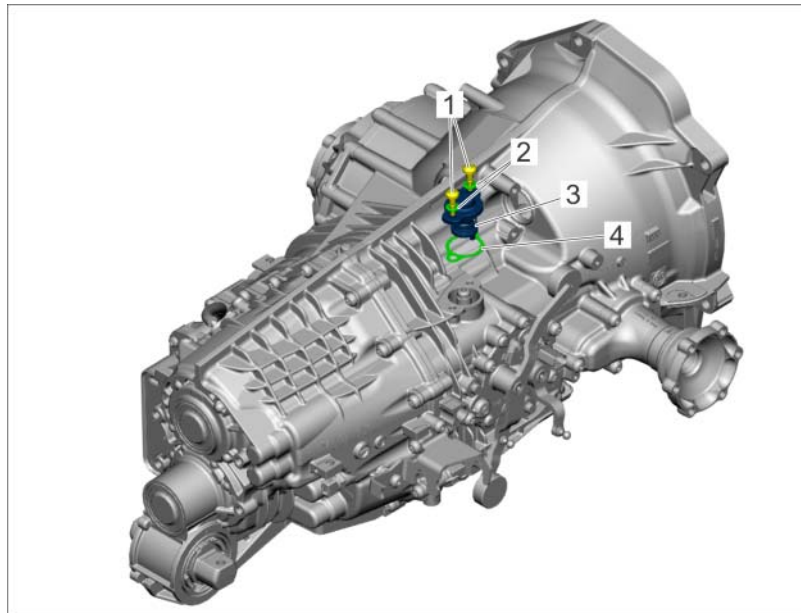
Required parts (as needed)

Parts Info:	Part No.	Designation – Point of use	Quantity
	9P1301239	⇒ Locking piece	1 piece

9P1301164	⇒ Seal - Locking piece	1 piece
9P1399265M	⇒ Fitting screw with sealing washer - Locking piece	2 pieces
PAF009267	⇒ Transmission support on body hexagon-head bolt M10 x 40 - Transmission support on body	4 pieces
PAF008660	⇒ M10 hexagon nut - Transmission support on body	2 pieces

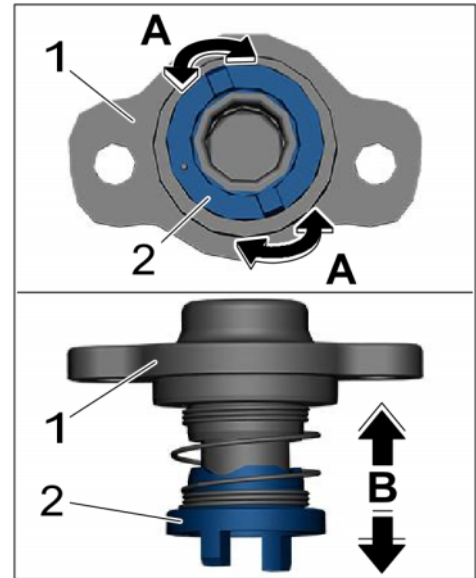
Work Procedure

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



Locking piece

- 2 Check locking piece ⇒ *Checking locking piece -1-*.
 - 2.1 Check by hand whether the locking sleeve can be ⇒ *Checking locking piece -2-* 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.	Locking piece OK Install locking piece and continue diagnosis by other means. ⇒ <i>Workshop Manual '353019 Removing and installing locking piece'</i>
(X)	Locking sleeve cannot be rotated and / or moved axially.	Locking piece defective Install new locking piece. ⇒ <i>Workshop Manual '353019 Removing and installing locking piece'</i>

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
35301949	Removing and installing locking piece	

PCSS encryption:

Location (FES5)	35300	Locking piece
Damage type (SA4)	1127	does not shift

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