



Connection offline

Technical Service Bulletin

Transaction No.: **2082048/1**

38 Running problems/restricted functions - 0B5 gearbox

Release date: Jun 23, 2026

Condition

Model(s)	Year(s)	VIN Range	Vehicle Specific Equipment
S4, and S5 Cabriolet	2011 - 2012	All	0B5 Gearbox

Customer statement:

- The message: **“Gearbox fault. You can continue driving. Please contact workshop”** is displayed in the driver information system.
- The customer also complains about one or more of the following symptoms:
 - Tangible **juddering when driving off in D or R**
 - **Jolt** when **shifting down from 2→1**
 - **Jolt** when **changing gear (D ↔ R)**
 - **Delayed creep in R**, especially on slight inclines
 - **Excessive reduction in engine speed** when shifting from **2 →1**
 - **Sharp drop in engine speed** when **D or R** is engaged

Workshop findings:

- Check whether a mechatronic unit with one of the following hardware part numbers is fitted.
 - 0B5927156D
 - 0B5927156E
 - 0B5927156F
- Check whether the fitted mechatronic unit was **manufactured before 01.05.2013**.

Read out a current diagnostic log via ODIS to clearly determine whether the requirements stated above are met.



The complaint can be reproduced because one of the following situations applies:

- There is a customer complaint about the driving characteristics.
- There is a complaint about the driving characteristics and one or more of the following event memory entries (P codes) are logged.

- Individual or a combination of event memory entries are logged in the diagnostic log - even without a corresponding customer complaint.

The corresponding fault codes (DFCC) are logged in the extended ambient conditions:

P code	DFCC hex	DFCC dec	Text
P0726	1F2C	7980	Speed signal from engine control unit, implausible signal
P17E1	25EC	9708	Gear actuator 2 mechanical fault
P17E0	25EF	9711	Gear actuator 1 mechanical fault
P173E	1F57	8023	Sub-transmission 1 valve 1 electrical malfunction
P174D	1F58	8024	Valve 2 in gear train half 2, electric fault
P173F	1F59	8025	Sub-transmission 2 valve 1 electrical malfunction
P174C	1F5A	8026	Valve 1 in gear train half 2, electric fault
P174B	1F5B	8027	Sub-transmission 4 valve 1 electrical malfunction
P174F	1F5C	8028	Valve 4 in gear train half 2, electric fault
P179C	1F5D	8029	Main pressure valve, electrical error
P179D	1F5E	8030	Cooling oil valve, electrical error
P174A	22EB	8939	Sub-transmission 3 valve 1 electrical malfunction
P174E	22EC	8940	Valve 3 in gear train half 2, electric fault
P1740	1F5F	8031	Clutch temperature monitoring
P17D8	1F68	8040	Torque limitation due to clutch temperature
P176B	1F9A	8090	Gear selector 2 cannot be regulated
P176D	1F9B	8091	Gear selector 4 cannot be regulated
P176C	1F9C	8092	Gear selector 3 cannot be regulated
P176A	1F9D	8093	Gear selector 1 cannot be regulated

Send us the diagnostic log online.

Technical Background

Not applicable.

Production Solution

Not applicable.

Service

Note:

Try to reproduce the customer complaint (based on the description/cause of the issue), so that it can be clearly assigned to this TPI. The following repair must only be carried out if all the criteria (model/type, chassis number, engine/motor and gearbox code, PR number(s), part number, software version, code etc.) apply exactly. Otherwise, this solution will not eliminate the problem, and repeated repairs may be necessary. In such a case, we may reject the warranty claim and charge back the cost of the parts.



If the above complaints apply, perform steps 1-7 of the attached repair instructions.



The sequence of the repair instructions must be kept to.

These repair instructions must only be used for the vehicle types specified in the header.

Steps 1-7 must be performed in full.

Important: The basic settings (1 - calibration of driving mode sensor, 2 - calibration of movement sensors, 3 - adaptation of clutch kiss points and 4 - reset kick-in point of gear actuator) **do NOT replace the calibration of the valves** (clutch valves N436/N440 and cooling oil valve N471). Vehicles without calibrated clutch valves must not be moved.

The vehicle must not be moved until all steps have been completed in full.

After completing the repair, please send the corresponding diagnostic log online.

Warranty

Claim Type:	• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	3885		
Damage Code:	0016		
Labor Operations:	Remove and install mechatronic unit	3511 1900	See SRT with associated operations
	Service mechatronic unit	3511 4199	70 TU
	Guided Fault Finding/Guided Functions (without software update)	0150 0060	Labor according to the diagnostic log
	Software update (performed)	0151 0060	Labor according to the diagnostic log
Claim Comment:	As per TSB 2082048/1		

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.

Please note the information on predecessors and items that are included and excluded in the repair operations as well as any associated tasks.

Required Parts and Tools

Please also refer to the Workshop Manual "Servicing 7-speed dual clutch gearbox 0B5 (S tronic).

The following parts are needed for the repair:

Quantity	Designation	Part number	Remark
1	Repair kit for mechatronics <i>Consisting of:</i> <i>1x printed circuit board repair kit</i> <i>2x clutch valve repair kit</i> <i>1x oil cooling valve repair kit</i>	0B5398048C	<i>This repair kit can only be used for the vehicle types specified in the header.</i>
6	Socket head bolt M6x45	N10405702	
1	Oil sump seal	0B5321371E	
15	Socket-head bolt M6x20	N91096801	
1	Oil pipe with seal	0B5315105TA	
1	Oil pipe with seal	0B5315105TC	
1	Oil pipe with seal	0B5 321 473	
1	O-ring	WHT003380	
6.7 ltr.	Gear oil	G052529A*	* containers differ

The part numbers and indexes of this TSB are correct at the time of publication. There may be mismatches if the parts catalogue has been updated in the meantime. In this case, the part numbers and indexes as currently specified in the parts catalogue apply.

Additional Information

All part and service references provided in this TSB (2082048) are subject to change and/or removal.

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