



Technical Service Bulletin

34 Gearbox malfunction message, DTC P280500 stored in TCM

34 18 35 2051686/1 June 29, 2018.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6	2016	All	0CK Transmission
A6	2017	000001 - 052241	0B5 Transmission

Condition

Customer states:

- Engine does not start.
- Gearbox malfunction message is shown in the drivers information screen.

Workshop findings:

The following DTC(s) may be stored in the transmission control module (TCM), J217 (address word 0002):

- **DTC P280500** (Transmission Range Sensor "A"/"B" Correlation) with symptom code: **20779** (Figure 1).
- **DTC P060700** (Control Module Performance) might also be stored in the TCM fault memory with the symptom code(s): **21012** and/or **21014**.

DTC memory entry

Number:	P280500: Transmission Range Sensor "A"/"B" Correlation
Error type 2:	passive/sporadic
Symptom:	20779
Status:	00100110

Figure 1. DTC code and symptom code.

Technical Background

Not applicable.

Production Solution

Not applicable.



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Service

If the **DTC P280500** (Transmission Range Sensor "A"/"B" Correlation) with symptom code: **20779** is stored perform the following:

- With GFF or Guided Functions read the measured values for technical repair inquiry and upload the diagnosis log to GFF paperless (a technical assistance contact is not required).
- Replace the drive position sensor –G676- and the transmission control module –J217- (TCM) per the repair manual.
- Perform all Basic Settings for the replacement of the transmission control module (TCM).
- Road test to confirm proper operation.

Warranty

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	3481		
Damage Code:	0015		
Labor Operations:	Remove + install mechatronic unit	3511 1903	220 TU
	Remove + install control unit	3481 1999	40 TU
	Remove + install vehicle speed sender (Drive Position Sensor –G676-)	3487 1950	50 TU
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 90 TU)
	Road test prior to service procedure	0121 0002	10 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB #2051686/1		

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.



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Required Parts and Tools

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts and Screws as needed per the Repair Manual	See ETKA/ELSA
N 91043601	Hex Socket Head Bolt	25
0CK321371	Gasket for oil pan	01
N 10739402	Bolt, hex head with shoulder (For mechatronics)	07
0CK325443	Gasket	01
0CK325444	Gasket	01
0CK325445	Gasket	01
0CK325446	Gasket	01
See ETKA	Transmission control module (<i>Must be ordered to the VIN of the Vehicle</i>)	01
N 91127901	Hex Flange Screw (For TCM)	04
N 10801101	Hexagon socket flat head bolt (TCM to ATF Motor)	03
0CK927523	Gasket	01
0CK927753G	Sensor for Drive position	01
0CK301131	Gasket (For drive position sensor cover)	01

Special Tools:

- VAS Scan Tool
- Support -T40321-
- Cover -T40322/1-4-
- Assembly Tool -T40305-
- Oil Sump Assembly Pin -T40199-
- Torque Wrench -VAS6583- or equivalent



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- Pry Lever -80-200- or equivalent

Additional Information

All parts and service references provided in this TSB (2051686) are subject to change and/or removal.

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