



# Technical Service Bulletin

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## 37 Drive position sensor an electrical error is stored after mechatronics/G676 replacement, DTC P179E00

37 18 82 2051685/1 June 27, 2018.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S4, S5 Cabriolet	2010 - 2016	All	0B5 Transmission
S5	2013 - 2017	All	0B5 Transmission
RS5	2013 - 2015	All	0B5 Transmission
S6, S7	2014 - 2018	All	0B5 Transmission

## Condition

### Customer states:

- The vehicle is already in the workshop for a repair.

### Workshop findings:

- As part of a repair, the mechatronic unit and/or the gear sensor G676 are replaced.

The necessary basic setting of the gear sensor is not possible, because the following DTC cannot be deleted from the transmission control module (TCM), J217 (address word 0002):

- **DTC P179E00** (Sensor of driving mode, electric fault, active/static).

## Technical Background

ODIS and TCM communication issue.

## Production Solution

Not applicable.

## Service



**Tip:** You will need two ODIS testers to perform this repair.

With the 1<sup>st</sup> ODIS scan tool

- Start the Guided Fault Finding at an ATF temperature of over 22°C and select address 0002.



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- In the basic settings select the calibration of the gear sensor -G676-.



**Tip:** Do not start the basic settings of the gear sensor G676:

- Disconnect the first diagnostic tester.
- Connect a second diagnostic tester.
- Using self-diagnosis, manually check and delete the DTC P179E00 from the TCM diagnosis address 0002.



**Tip:** Do not perform an ignition cycle and do not check again whether the event entry has been deleted (the DTC entry is now passive/sporadic in the background).

- Disconnect the 2nd diagnostic tester.
- Reconnect the original diagnostic tester to perform the basic settings of the gear sensor G676 according to the Guided Fault Finding.

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"><li>• 110 up to 48 Months/50,000 Miles.</li><li>• G10 for CPO Covered Vehicles – Verify Owner.</li><li>• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li></ul>		
<b>Service Number:</b>	3730		
<b>Damage Code:</b>	0039		
<b>Labor Operations:</b>	2 <sup>nd</sup> Scan Tool, read and delete TCM memory	3730 9999	20 TU
<b>Diagnostic Time:</b>	GFF	0150 0000	Time stated on diagnostic protocol (Max 60 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
<b>Claim Comment:</b>	As per TSB #2051685/1		

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

Two ODIS Diagnostic testers required.

## Additional Information

All parts and service references provided in this TSB (2051685) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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