

# Technical Service Bulletin




## 35 Gearbox warning light on (DTCs P179E00, P179F00, P0700, P060A)

35 12 08 2032211/1 December 21, 2012.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S4	2010-12	All	0B5 S-Tronic transmission
S5 Cabriolet	2010-12		

## Condition

The driver information system displays the message:

 **Gearbox malfunction: you can continue driving**

Two possible scenarios exist for this TSB to apply:

### Condition 1

The following entries are logged individually or in combination, with **P179E** logged first (using DTC environmental data):

- **P179E** – Drive range sensor Electrical
- **P0700** (DFCC: 20196) – Control Module Malfunctioning
- **P1758** (DFCC: 8464) – Terminal 15 Voltage supply Open circuit
- **P060A** (DFCC: 8126, 8345) – Control Module Internal Processor Monitoring

If **P179E** is not logged first this TSB does not apply (using DTC environmental data), Continue with standard diagnosis.

### Condition 2

The following entries are logged individually or in combination in the diagnosis protocol. The times the DTCs are logged are not relevant:

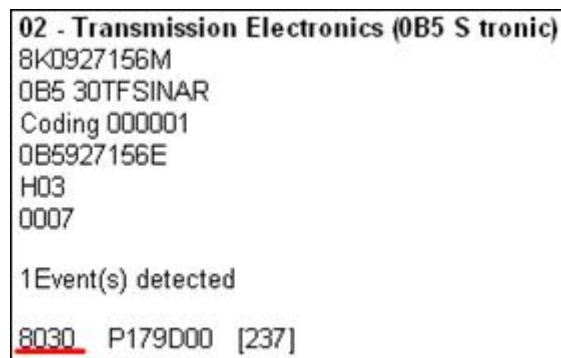
- **P179E** (DFCC: 8050, 8051, 8052, 8053) – Drive range sensor Electrical
- **P179F** (DFCC: 8054, 8055, 8056, 8057) Sensor for transmission range, malfunction
- **P0716** (DFCC: 8096, 8101) Transmission Input Speed Sensor 1 Implausible Signal

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- **P171F** (DFCC: 8097, 8102) – Input Turbine/Speed Sensor Circuit 2 Range/Performance
- **P0715** (DFCC: 8094, 8103) – Transmission Input Speed Sensor 1 Electrical Malfunction
- **P2765** (DFCC: 8095, 8104) – Transmission Input Speed Sensor 2 Electrical Malfunction
- **P0501** (DFCC: 8098) – Vehicle Speed Sensor 1 Range/Performance
- **P2159** (DFCC: 8099) – Vehicle Speed Sensor 2 range/Performance

The DFCC is the 4-6 digit code that is typically listed before the fault code (Figure 1).



*Figure 1. DFCC 4-6 digit code listed before the fault code.*



**Tip:** Fault codes and DFCC codes must match *exactly* or this TSB should not be followed.

## Technical Background

Incorrect driving mode sensor module.

## Production Solution

Not applicable.

## Service

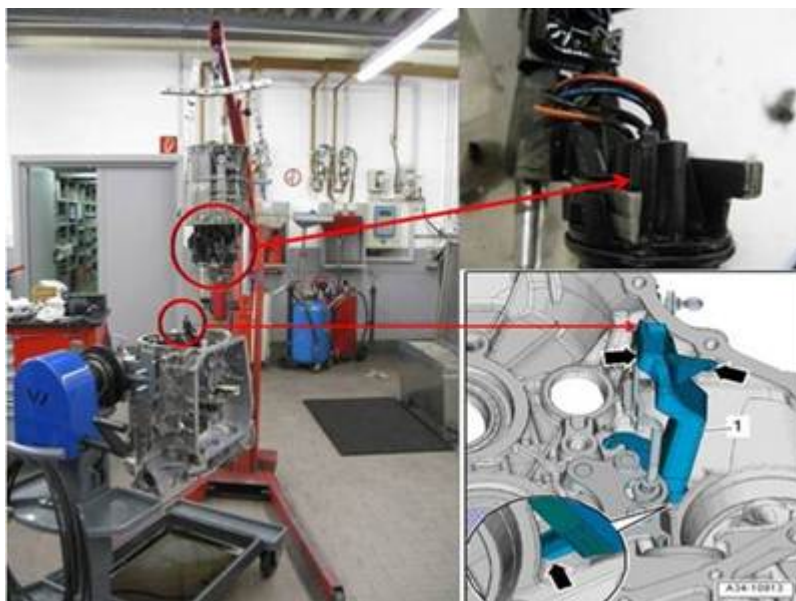
1. If faults shown in Condition above along with the matching DFCC' s are present, replace the G676 sensor module with circuit board by following instructions in *ELSA >> Repair manual >>Transmission >>S Tronic Transmission Internal Components Gears, Shafts >>Removal and Installation >> Sensor Module with Transmission Input Speed Sensor -G612-, -G632-, -G676- Circuit Board 3*
2. When replacing the sensor module, its wiring loom must also be replaced.



**Note:** These instructions require transmission case disassembly. Audi Academy course #950224 is required viewing before attempting repair service. Complete the course and the assessment #950224B before attempting repair or warranty claim may be denied. This can be found on the Audi Academy CRC site.



**Tip:** Use caution when lifting or lowering intermediate housing to avoid damage to components (Figure 2).



*Figure 2. Caution points: Drip tray- Sensor module connector.*

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## Warranty

<b>Claim Type:</b>	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
<b>Service Number:</b>	3512		
<b>Damage Code:</b>	0012		
<b>Labor Operations:</b>	Remove and install gearbox	3435 19xx	See ELSA Web for applicable labor operation
	Replaced sensor module G676	3512 1950	570 TU
<b>Diagnostic Time:</b>	GFF to perform basic setting and adaptation after replacing sensor	0150 0000	Time stated on diagnostic protocol (Max 100 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
<b>Claim Comment:</b>	As per TSB 2032211/1		

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.

## Required Parts and Tools

Part Number	Part Description	Quantity
0B5321371E	Gasket for transmission pan	1
N10405702	Bolts for Mechatronics unit	6
G052513A2	Front Final Drive oil (MTF)	5.0 Liters
G052529A2	Dual clutch gearbox oil (ATF)	7.5 Liters
0B5927321F	Module	1
0B5321391A	Harness	1
AMV18800102	Sealing paste	1
0B5301515H	Pump with seals	1
WHT001955	Bolt	1
WHT002459	Bolt	28
WHT001958B	Bolt	2
0B5301227C	Seal kit	1
0B5323525B	O-ring	1
0B5311113F	Seal	1
0B5315105TC	Oil pipe with seals	1
0B5315105TA	Oil pipe with seals	1
0B5325571	Sleeve with seals	1

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0B5311944B	Seal	4
0B5321473	Oil pipe	1
WHT003380	Seal	1
WHT003379	Seal	1
0B5301311E	Oil drip tray (Replace if broken)	1

## Additional Information

All parts and service references provided in this TSB are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.