

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).

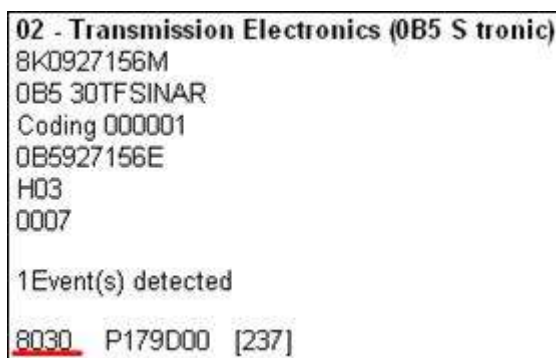


Figure 1. DFCC 4-6 digit code listed before the fault code.



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).

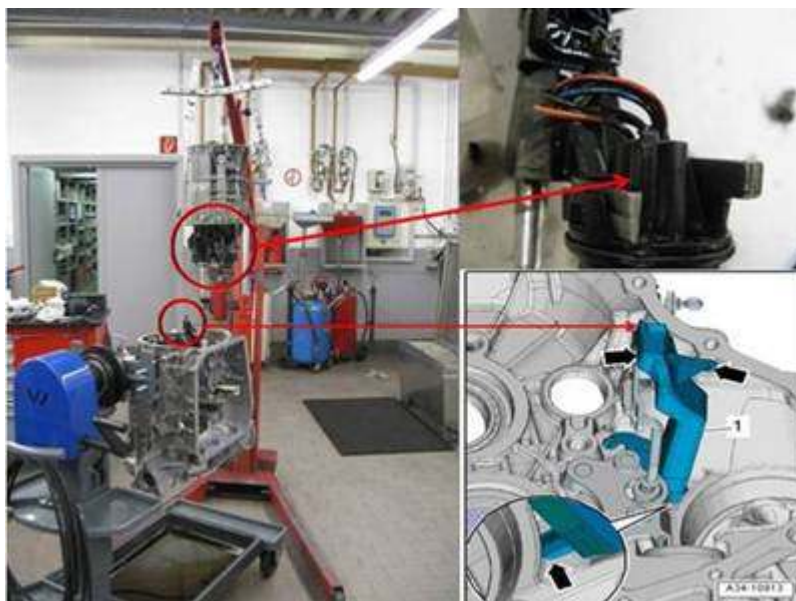


Figure 2. Caution points: Drip tray- Sensor module connector.

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Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	3512		
Damage Code:	0012		
Labor Operations:	Remove and install gearbox	3435 19xx	See ELSA Web for applicable labor operation
	Replaced sensor module G676	3512 1950	570 TU
Diagnostic Time:	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)		
Claim Comment:	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.

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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.