



Technical Service Bulletin

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

35 16 23 2032211/5 October 14, 2016. Supersedes Technical Service Bulletin Group 35 number 16-22 dated April 18, 2016 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S4	2010 - 2015	All	S-Tronic 7 speed transmission
S5 Cabriolet	2010 - 2015	All	S-Tronic 7 speed transmission
RS 5	2013 - 2014	All	S-Tronic 7 speed transmission
S5	2013 - 2015	All	S-Tronic 7 speed transmission
S6, S7	2013 - 2016	All	S-Tronic 7 speed transmission

Condition

REVISION HISTORY		
Revision	Date	Purpose
5	-	Revised <i>Warranty</i> (Updated Damage Code)
4	04/18/2016	Revised header data (Added model year 2015 S4 and S5 and model year 2016 S6 and S7)
3	01/11/2016	Revised <i>Condition</i> (Additional DFCC codes)

The driver information system displays the message “Gearbox malfunction: you can continue driving”. One of the following scenarios is present:

Scenario 1:

The following entries are logged individually or in combination, with P179E logged first (using DTC environmental data). In this scenario, if DTC P179E is not logged first, this TSB does not apply:

- **DTC P179E** (Drive position sensor electrical error)
- **DTC P0700 with DFCC 20196** (Transmission control system malfunction)
- **DTC P1758 with DFCC 8464** (Terminal 15 voltage supply open circuit)
- **DTC P060A with DFCC 8126, 8345** (Internal control module monitoring processor performance)

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Scenario 2:

The following entries are logged individually or in combination. The order in which the DTCs are logged is not relevant:

- **DTC P179E with DFCC 8050, 8051, 8052, 8053, 17595, 17596, 17597, 17598, 17602** (Drive position sensor electrical error)
- **DTC P179F with DFCC 8054, 8055, 8056, 8057, 17599, 17600, 17601** (Drive position sensor malfunction)
- **DTC P0716 with DFCC 8096, 8101, 18153, 20738** (Input turbine/speed sensor “A” circ. range/performance)
- **DTC P171F with DFCC 8097, 8102, 18154** (Transmission input speed (RPM) sensor 2 implausible signal)
- **DTC P0715 with DFCC 8094, 8103, 18161** (Input turbine/speed sensor “A” circuit.)
- **DTC P2765 with DFCC 8095, 8104** (Input turbine/speed sensor “B” circuit)
- **DTC P0501 with DFCC 8098** (Vehicle speed sensor “A” range/performance)
- **DTC P2159 with DFCC 8099** (Vehicle speed sensor “B” range/performance)



Tip: Fault codes and DFCC codes must match *exactly* for this TSB to apply.

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

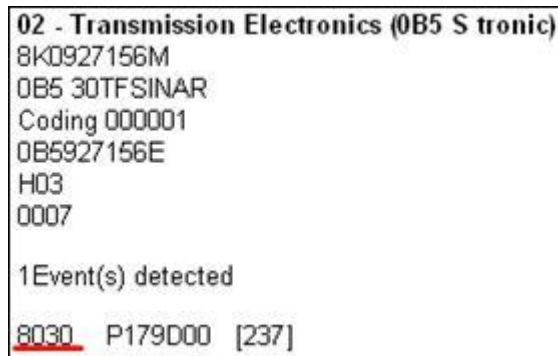


Figure 1. DFCC 4-6 digit code listed before the fault code, underlined in red.

Technical Background

Incorrect driving mode sensor module.

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Production Solution

Not applicable.

Service

If the *Condition* matches exactly, replace the G676 sensor module with circuit board by following instructions in *Elsa >> Repair manual >>Transmission >>S Tronic Transmission Internal Components >>35 Gears, Shafts >>Removal and Installation >> Sensor Module with Transmission Input Speed Sensor -G612-, -G632-, -G676- and Circuit Board 3.*

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 before repair service can be attempted. Complete the course and the assessment #950224B before attempting repair or warranty claim may be denied. The course 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).





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Figure 2. Caution points: drip tray and sensor module connector.

Warranty

Claim Type:	<ul style="list-style-type: none"> • 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:	3512		
Damage Code:	0040		
Labor Operations:	Remove and install gearbox	3435 19XX	See Elsa
	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 2032211/5		

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
0B5927321L	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
0B5311944B	Seal	4
0B5321473	Oil pipe	1
WHT005379	Seal	1
WHT003379	Seal	1



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0B5301311E	Oil drip tray (Replace if broken)	1
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Additional Information

All parts and service references provided in this TSB (2032211) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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