

01.05.2025

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Technical Service Handbook

ElsaPro transaction no.:

DMS order no.:

VIN: WAUZZZ8VXHA047699

Model year: 2017

Sales code: 8VFS2Y

Model description: S3 Spb. qu. 2.0 R4213 DSG

Engine code: DJHB


Gearbox code: RAT

Registration number:

Final drive code:

Username: erwin

Service advisor name: erwin

 According to the vehicle identification, the following filter criteria could not be filtered automatically in this contribution. Please observe the limits listed for this contribution!

Event memory entries:

Diagnostic address	Event code	Event type	Status
0002 - Transmission electronics	P0C2900: Auxiliary Transmission Fluid Pump Driver Circuit Performance	-	static

Basic filtering of vehicle description

Brand	Model year	Sales model	Engine code	Gearbox code	Final drive code
A	2017	8V% - A3 MJ17-18 mit DQ381	%	%	%

VIN ranges	Production date
WAU%8V%H%000001 - 999999	-

PR numbers
0IJ

Technical product information

Transmission: gearbox warning lamp on, P0C2900 and possibly additional event memory entries - 0GC gearbox

Transaction No.: 2049489/16

Release date 30-Jan-2023

Customer statement / workshop findings

You should not use the Guided Fault Finding test plan to complete this TPI. It is therefore not necessary to charge the battery.

Customer statement:

- The message *"Gearbox malfunction"/"Gearbox fault"* is shown in the driver information system.
- and/or
- The gearbox warning lamp is lit up in the driver information system.

and/or

- The gearbox is in emergency running mode; it is only possible to use gears 1-3-5-7 or only possible to use gears 2-4-6.

Workshop findings:

- One or more of the customer statements can be reproduced.

One or more of the following event memory entries (intermittent/static) may be logged in address 0002 – Gearbox electronics:

- P0C2900 - Auxiliary Transmission Fluid Pump Driver Circuit Performance

and/or

- P175E00 - Clutch 1 closes unintentionally

and/or

- P176F00 - Clutch 2 closes unintentionally

and/or

- P175D00 - Clutch 1 opens unintentionally

and/or

- P176E00 - Clutch 2 opens unintentionally

and/or

- P072C00 - Gear 1 not adjustable

and/or

- P176A00 - Gear positioner 1 cannot be regulated

and/or

- P176B00 - Gear positioner 2 cannot be regulated

and/or

- P176C00 - Gear positioner 3 cannot be regulated

and/or

- P176D00 - Gear positioner 4 cannot be regulated

and/or

- P072B00 - Gear R not adjustable

and/or

- P081000 - Clutch control malfunction

and/or

- P060700 - Control module implausible

and/or

- P189900 - Clutch 2 function restriction

In addition to the event memory entries listed, various other event memory entries may also be logged in diagnostic address 0002 - Gearbox electronics.

Revision history:

Transaction No./revision number:	Type of change:
2049489/16	"Warranty accounting instructions" updated
Note: The content of this table is not changed if the subsequent revision only involves a change to the header data of the article.	

Technical background

Component-related issue on auxiliary hydraulic pump 1 (-V475-) for gear oil (item 1 - figure 1).

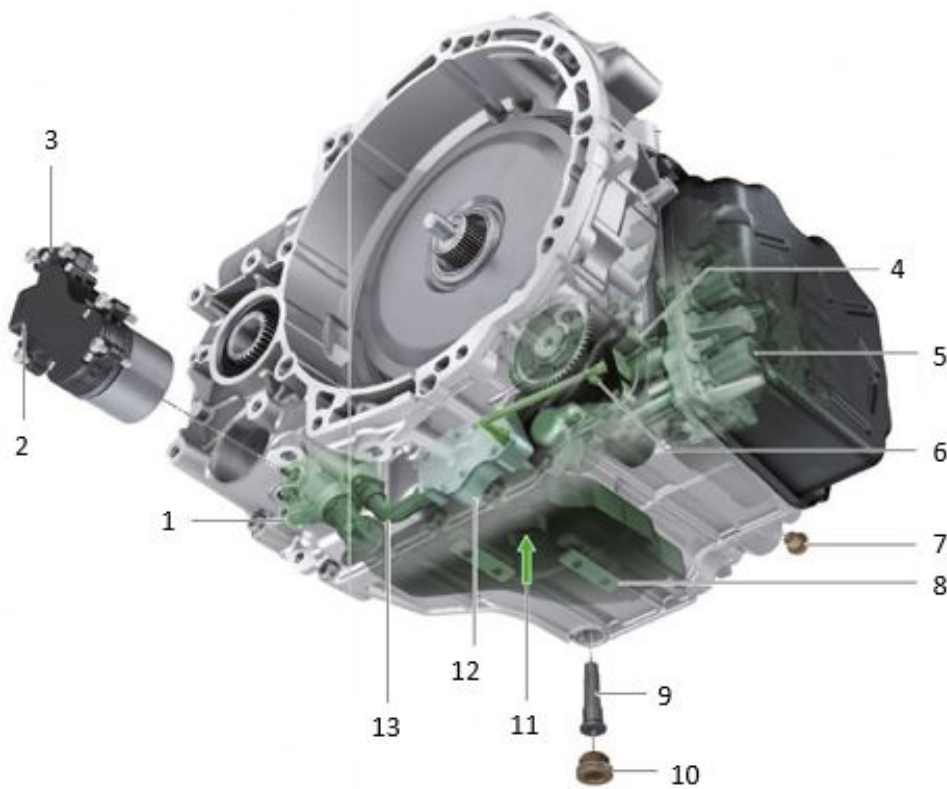


Figure 1 - components of OGC gearbox

Legend for figure 1:

- Item 1: auxiliary hydraulic pump 1 for gearbox oil (-V475-)
- Item 2: electrical connection for auxiliary hydraulic pump 1 for gearbox oil (-V475-)

Item 3: electric motor for auxiliary hydraulic pump 1 for gearbox oil (-V475-)

Item 4: main ATF pump

Production change

Optimised auxiliary hydraulic pump 1 for gearbox oil (-V475-) introduced

- From gearbox production date **27.09.2017** onwards



Before starting the checks, please find out the production date of the gearbox and determine whether this TPI applies based on the production date.

Measure

Try to reproduce the customer complaint (based on the description/workshop findings/event memory entries), so that it can be clearly assigned to this TPI. The following repair must only be carried out if all the criteria (model/type, chassis number, engine/gearbox code, PR number(s), part number, software version, code etc.) apply exactly. Otherwise, this measure will not eliminate the problem, and repeat repairs may be necessary. In such a case, we may reject the warranty claim and charge back the cost of the parts.



Before performing the following work, check whether there are any other TPIs for the event memory entries. If so, complete these TPIs first.

Test step - checking gearbox production date:

The following data are engraved on the gearbox:



Figure 2 - example of data on gearbox

Explanation of data on gearbox:

Gearbox code: **STA** (green box)

Gearbox production date: **300916 = 30.09.2016** (blue box)

If the gearbox production date is after 26.09.2017, this TPI does not apply. Proceed according to Guided Fault Finding. Please note that in this case the costs for the repair cannot be billed under this TPI.

If the gearbox production date is **before or on 26.09.2017**, continue as described below.

Scenario 1: Only required for vehicles on which campaign 34L4 has not been performed:

- Replace the auxiliary hydraulic pump according to the instructions in the attachment.

Scenario 2: Only required for vehicles on which campaign 34L4 has already been performed without replacing parts:

- If campaign 34L4 has been performed on the vehicle and the auxiliary hydraulic pump was not replaced, and only the event memory entry **“POC2900 - Auxiliary Transmission Fluid Pump Driver Circuit Performance”** is logged in the gearbox electronics (diagnostic address 002), replace the auxiliary hydraulic pump according to the attached instructions and the parts information. The event memory of the gearbox electronics (diagnostic address 002) must then be erased according to the attached instructions.

Scenario 3: Only applies if campaign 34L4 has been performed and the auxiliary hydraulic pump was replaced as part of the campaign:

- If campaign 34L4 has been performed on the vehicle and the auxiliary hydraulic pump was replaced as part of the campaign, this TPI **does not apply** and you should proceed according to Guided Fault Finding.

Note:

If you find secondary damage on the dismantled gearbox or damage to adjacent components, follow the instructions in the Workshop Manual which applied at the time. To invoice the extended repair (including component replacement if applicable) via this TPI, create a DISS report and add relevant photos as attachments.

Warranty accounting instructions

Service number/damage code: 3479 / 010

Note warranty extension for service number: 3479

Type of claim: 1-GW

Billing in APOS:

Model	Main task (MT)/ associated task (AT)	Repair operation	Description	Time units (TU)
All	MT	34 35 19 xx	Remove and install gearbox	According to APOS
Vehicles with front-wheel drive				
All	AT	34 79 55 99	Replace hydraulic pump	350
Vehicles with all-wheel drive				
All	AT	34 79 55 99	Replace hydraulic pump	380
*		01 50 00 00	GFF / Guided Functions	Labour according to diagnostic log
*		27 06 89 50	Charge battery	According to APOS

Please note the information on predecessors and items that are included and excluded in the repair operations, as well as any associated tasks.

Billing in APOS NF:

Model	Repair operation	Description	Time units (TU)
All	304350 19	Remove and install gearbox	According to APOS NF
Vehicles with front-wheel drive			
*	304790 56	Replace hydraulic pump	350
Vehicles with all-wheel drive			
*	304790 56	Replace hydraulic pump	380
*	001500 00	Guided Functions/GFF	Labour according to diagnostic log
*	207060 89	Charge battery	According to APOS NF

Parts information

Quantity	Designation	Part No.	Remarks
1	Sealant	D 174 003 M2	
7 litres	Dual clutch gearbox oil	G 055 529 S0	Max. 70
5	Bolt	WHT 000 729 A	For noise insulation
6	Nut	N 103 320 02	For transverse link
2	Nut	N 015 081 6	For coupling rod
1	Bolt	N 912 010 01	For pendulum support
1	Bolt	N 107 848 01	
1	Bolt	N 107 847 01	
2	Bolt	N 105 524 02	For steering rack
3	Bolt	N 908 461 02	For front propshaft, only for vehicles with all-wheel drive
4	Bolt	N 910 669 01	For centre propshaft, only for vehicles with all-wheel drive
3	Bolt	WHT 005 179	For rear propshaft, only for vehicles with all-wheel drive
6 or 12	Bolt	N 911 082 01 Or	For drive shaft

		N 909 910 02	
3	Bolt	N 105 524 04	For gearbox mounting
6	Bolt	N 107 854 01	For assembly mounting
4	Bolt	N 912 312 01	
4	Bolt	N 910 889 01	For bevel box, only for vehicles with all-wheel drive
1	Retaining clip	0BH 325 147	
1	Gasket	0GC 927 377	Seal for mechatronic unit connector; only required in the event of damage
1	Repair kit	0GC 398 008 D	
1	Needle bearing	06B 105 313 C	According to ETKA
Or	Needle bearing	06B 105 313 D	According to ETKA



The part numbers published in this TPI are correct at the time of publication. Interim updates made in ETKA can cause a listed part number to become unavailable. In this case, the new part number specified in ETKA should be used.