



# Technical Service Bulletin

## 35 Gearbox Malfunction Warning, DTC P0C2900 in the TCM

35 24 48 2050723/5 March 12, 2024. Supersedes Technical Service Bulletin Group 35 number 23-46 dated October 9, 2023 for reasons listed below.

| Model(s)             | Year        | VIN Range | Vehicle-Specific Equipment |
|----------------------|-------------|-----------|----------------------------|
| A3, and A3 Cabriolet | 2017 - 2018 | All       | Not Applicable             |
| S3                   | 2018        |           |                            |

## Condition

| REVISION HISTORY |            |                                                                                         |
|------------------|------------|-----------------------------------------------------------------------------------------|
| Revision         | Date       | Purpose                                                                                 |
| 5                | -          | Revised header (removed models)<br>Revised <i>Condition</i> (updated Workshop findings) |
| 4                | 10/10/2023 | Revised <i>Service</i> (Note added)                                                     |
| 3                | 06/27/2018 | Revised <i>Service</i> (Added transmission identification instructions and photo)       |

### Customer states:

- The “Gearbox Malfunction” message has appeared in the Drivers Information Screen (DIS).

### Workshop findings:

the following DTC may be logged in the transmission control module (TCM), -J217- (address word 0002):

- DTC P0C2900** (Auxiliary Transmission Fluid Pump Driver Circuit Performance)

## Technical Background

Component related issue of auxiliary hydraulic pump (Figure 1).

Legend for picture below:

Item 1: auxiliary hydraulic pump 1 for gearbox oil (V475)

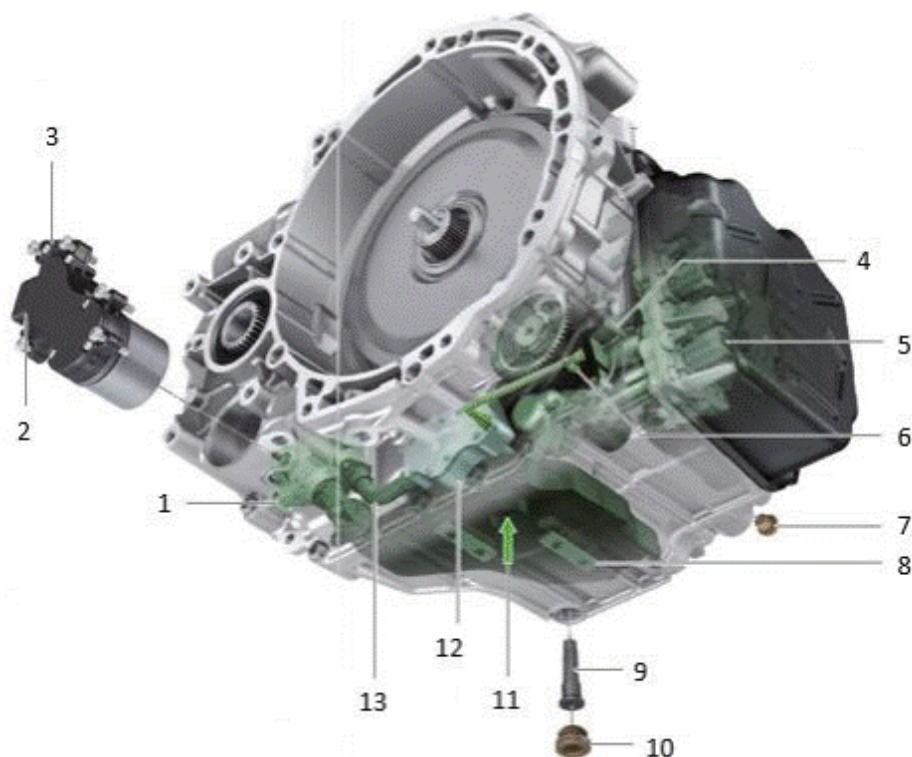
Item 2: electrical connection for auxiliary hydraulic pump 1 for gearbox oil (V475)

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



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Item 4: main ATF pump



**Figure 1.** 0GC Gearbox Components.

## Production Solution

Improved auxiliary hydraulic pump in production.

## Service

Obtain the transmission identification information from the bell housing (Figure 2).





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*Figure 2. Transmission identification example.*

## Explanation of data on gearbox:

Gearbox code: STA (green box)

Gearbox Production Date: **300916** = **03.09.2016** (blue box).

Date format: Day/Month/Year

- If the gearbox production date is after 26.09.2017, this TSB 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 TSB.
- If the gearbox production date is on or before 26.09.2017, continue as described below.

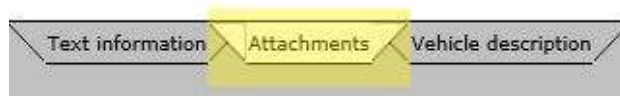
**Scenario 1:** Only required for vehicles on which the 34L4 Service Action has *not* been performed.

- If the 34L4 Service Action is open for the vehicle, perform it completely and this TSB does not apply.

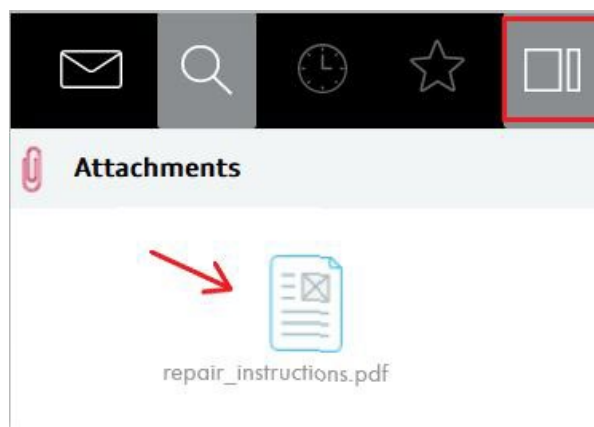
**Scenario 2:** Only required for vehicles on which the 34L4 Service Action has already been performed and no parts were replaced as a part of the campaign.

The 34L4 Service Action has been performed on the vehicle, and the auxiliary hydraulic pump was not replaced, and only the DTC “P0C2900 – Auxiliary Transmission Fluid Pump Driver Circuit Performance” is logged in the transmission control module (TCM), J217 (address word 0002).

Replace the auxiliary hydraulic pump according to the instructions attached to this TSB (Figure 3 or Figure 4), and the parts information listed below. The event memory of the gearbox electronics (diagnostic address 002) must then be erased according to the attached instructions.



*Figure 3. Attachments tab in ElsaPro.*



*Figure 4. Attachments slide in Elsa2Go.*

For an example of the repair procedure, see the video located at:



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<https://audi-external.kzoplatform.com/player/medium/2535675175601443997>

This video is also attached to this TSB under the attachments tab in the workshop manual and can be accessed with the QR code shown here (Figure 4).



*Figure 4: QR code for viewing the supporting video with a QR code reader on phones and tablets. Alternatively, the video can be accessed through computer internet browsers at the link provided in this bulletin.*

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

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

## NOTICE

**If secondary damage is found on the dismantled gearbox, or the adjacent components, follow the instructions in the Workshop Manual which apply at the time.**

## 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 the vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li></ul> |
| <b>Service Number:</b> | 3479                                                                                                                                                                                                                                                |
| <b>Damage Code:</b>    | 0010                                                                                                                                                                                                                                                |



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|                          |                                                    |              |                                                   |
|--------------------------|----------------------------------------------------|--------------|---------------------------------------------------|
| <b>Labor Operations:</b> | Remove and install gearbox                         | 3435 19 xx   | See SRT with associated operations.               |
|                          | Replace hydraulic pump<br>(Front Wheel Drive Only) | 3435 4299    | 350 TU                                            |
|                          | Replace hydraulic pump<br>(All Wheel Drive Only)   | 3435 4299    | 380 TU                                            |
| <b>Diagnostic Time:</b>  | GFF                                                | 0150 0000    | Time stated on diagnostic protocol<br>(Max 50 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 2050723/4                               |              |                                                   |

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

| The part numbers mentioned in this TSB are different than the ones listed in ETKA. Only use parts listed in this TSB, this includes superseding part numbers! |                                                                   |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------|
| Part Number                                                                                                                                                   | Part Description                                                  | Quantity      |
| See ETKA                                                                                                                                                      | Fasteners, Bolts, Nuts and Screws as needed per the Repair Manual | See ETKA/ELSA |
| D 174 003 M2                                                                                                                                                  | Sealant                                                           | 0.5           |
| G 055 529 A2                                                                                                                                                  | Dual clutch gearbox oil                                           | 7             |
| WHT 000 729 A                                                                                                                                                 | Bolt (For noise insulation)                                       | 5             |



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|                                      |                                                                                 |               |
|--------------------------------------|---------------------------------------------------------------------------------|---------------|
| N 103 320 02                         | Nut (For transverse link)                                                       | 6             |
| N 015 081 6                          | Nut (For coupling rod)                                                          | 2             |
| N 912 010 01                         | Bolt (For pendulum support)                                                     | 1             |
| N 107 848 01                         | Bolt (For pendulum support)                                                     | 1             |
| N 107 847 01                         | Bolt (For pendulum support)                                                     | 1             |
| N 105 524 02                         | Bolt (For steering rack)                                                        | 2             |
| N 908 461 02                         | Bolt (For front propeller shaft) <b>only for vehicles with all-wheel drive</b>  | 3             |
| N 910 669 01                         | Bolt (For center propeller shaft) <b>only for vehicles with all-wheel drive</b> | 4             |
| WHT 005 179                          | Bolt (For rear propeller shaft) <b>only for vehicles with all-wheel drive</b>   | 3             |
| N 911 082 01<br>Or<br>N 909 910 02   | Bolt For drive shaft (For gearbox mounting)                                     | 6<br>or<br>12 |
| N 105 524 04                         | Bolt (For assembly mounting)                                                    | 3             |
| N 107 854 01                         | Bolt (For assembly mounting)                                                    | 6             |
| N 910 889 01                         | Bolt (For bevel box) <b>only for vehicles with all-wheel drive</b>              | 4             |
| 0BH 325 147                          | Retaining clip (For mechatronics unit cover)                                    | 1             |
| 0GC 927 377                          | Gasket (mechatronics unit cover)                                                | 1             |
| 0GC 398 008 D                        | Repair kit (For auxiliary hydraulic pump)                                       | 1             |
| 06B 105 313 C<br>or<br>06B 105 313 D | Needle bearing (order to VIN)                                                   | 1             |



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## Additional Information

All parts and service references provided in this TSB (**2050723**) are subject to change and/or removal.

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