



# Technical Service Bulletin

## 34 Restricted function, DTC P071800 stored in the TCM

34 22 56 2060242/3 April 8, 2022. Supersedes Technical Service Bulletin Group 34 number 22-54 dated March 17, 2022, for reasons listed below.

| Model(s)                           | Year        | VIN Range | Vehicle-Specific Equipment    |
|------------------------------------|-------------|-----------|-------------------------------|
| A4 and A4 Allroad                  | 2018 – 2021 | All       | 0CK, 0CL or 0CJ Transmission  |
| A6 and A6 Allroad                  | 2019 – 2021 | All       | 0CK, 0CJ or 0HL Transmissions |
| A7                                 | 2018 – 2021 | All       | 0HL or 0DK Transmissions      |
| Q5 and Q5 Sportback                | 2018 – 2021 | All       | 0CJ or 0DK Transmissions      |
| A5, A5 Cabriolet, and A5 Sportback | 2018 – 2021 | All       | 0CL or 0CJ Transmissions      |

## Condition

| REVISION HISTORY |            |  |
|------------------|------------|--|
| Revision         | Date       | Purpose  |
| 3                | -          | Revised title (Removed DTC P081100)<br>Revised <i>Condition</i> (Removed DTC P081100)<br>Revised <i>Header</i> (Switched to complete model codes)  |
| 2                | 03/17/2022 | Revised <i>Header</i> (Added MY 2021 vehicles)<br>Revised <i>Parts and Tools</i> (Added 0DK transmission parts and tools)<br>Revised <i>Warranty</i> (Added labor time for 0DK transmissions and updated GFF time) |



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|---|------------|---------------------|
| 1 | 08/05/2020 | Initial publication |
|---|------------|---------------------|

Customer states one or more of the following:

- The "Transmission Malfunction" message is displayed in the instrument cluster.
- Vehicle has no drive.
- Vehicle temporarily does not shift gears up or down.
- The "Transmission Malfunction" message with "Journey can be continued with restrictions" is displayed in the instrument cluster.
- Vehicle is in emergency operation.
- The message "Reverse gear not available" is displayed in the instrument cluster.

Workshop findings:

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

- **DTC P071800** (Input/Turbine Speed Sensor "A" Circuit Intermittent) with symptom code 20736 (passive/sporadic or active/static).

Other related faults may also be stored along with the DTC above.

## Technical Background

Not applicable.

## Production Solution

Not applicable.

## Service

DTC P071800 is logged as active/static:




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If the DTC "P071800 sender 1 for gearbox input speed, interruption" active/static is stored (Figure 1), the repair in the TSB does not apply to your case. Please complete the Guided Fault Finding test plan for the fault *completely and accurately*. Open an Audi Technical Assistance Center (TAC) case with the test plan attached or upload to GFF paperless. Then contact the Audi Technical Assistance Center (TAC) for assistance.

## DTC memory entry

Number: P071800: Input/Turbine Speed Sensor "A" Circuit Intermittent

Error type 2: active/static 

Symptom: 20736

Status: 10101111


*Figure 1. DTC active/static.*

## DTC P071800 is logged as passive/sporadic:

1. If the DTC "P071800 sender 1 for gearbox input speed, interruption" passive/sporadic is logged (Figure 2), then replace the gear actuator module (Figure 3) and replace the TCM, J217 (address word 0002) (Figure 4) according to the Elsa repair manual.

## DTC memory entry

Number: P071800: Input/Turbine Speed Sensor "A" Circuit Intermittent

Error type 2: passive/sporadic 

Symptom: 20736

Status: 10101000

*Figure 2. DTC passive/sporadic.*



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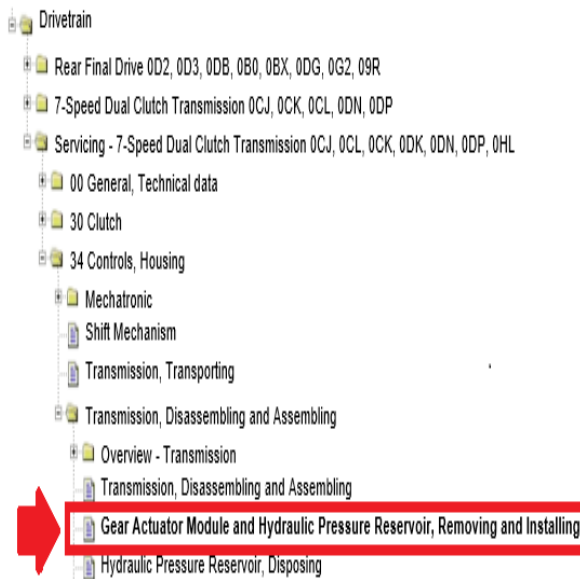


Figure 3. Gear actuator replacement instructions.

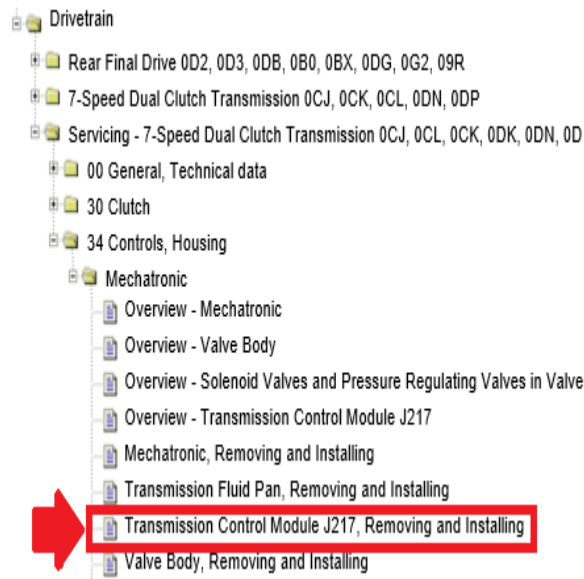


Figure 4. Transmission control module instructions.

2. After replacing the gear actuator module and the TCM, J217 (address word 0002) perform the “control module replacing” test plan in the scan tool.
3. Perform a test drive to confirm the repair.

## Warranty

|                 |   |
|-----------------|---|
| Claim Type:     | <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> |
| Service Number: | 3484  |
| Damage Code:    | 0016  |



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|                   |   |                         |   |
|-------------------|---|-------------------------|---|
| Labor Operations: | Remove and install gearbox<br>(See ELSA, labor operations different by model)             | 3435 XXXX               | See SRT with associated operations                  |
|                   | Front-wheel drive transmission: repair the gearbox (replace gear actuator and valve body) | 3435 4199 (OCK)         | 610 TU  |
|                   | Quattro/Quattro ultra: repair the gearbox (replace gear actuator and valve body)          | 3435 4199 (OCL/OCJ/OHL) | 660 TU  |
|                   | PHEV: repair the gearbox (replace gear actuator and valve body)                           | 3435 4199 (ODK)         | 720 TU  |
| Diagnostic Time:  | GFF   | 0150 0000               | Time stated on the diagnostic protocol (Max 150 TU) |
|                   | Road test prior to service procedure  | 0121 0002               | 10 TU   |
|                   | Road test after service procedure   | 0121 0004               | 10 TU   |
| Claim Comment:    | As per TSB 2060242/3  |                         |   |

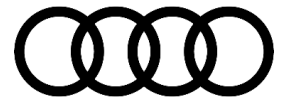
All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

## Required Parts and Tools



Note:

Please reference the repair manual for additional hardware required for the removal of the transmission. Below are the parts for the gear selector and the TCM. **Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.**



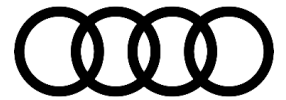
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| Part Number  | ETKA Illustration and Position #                   | Part Description   | Quantity      |
|--------------|--|--|---------------|
| See ETKA     |  | Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual | See ETKA/ELSA |
| Order to VIN | 325-056, 325 086 or 325-061<br>Pos. 3              | Shift selector   | 01            |
| WHT006777    | 325-056, 325 086 or 325-061<br>Pos. 5              | O-Ring (for accumulator)   | 01            |
| OCK301378A   | 325-056, 325 086 or 325-061<br>Pos. 6              | Oiling Tray  | 1             |
| N 91043601   | 325-056, 325 086 or 325-061<br>Pos. 7, 8, 9 and 18 | Hex socket head bolt (combi) –M6X30-                               | 11            |
| Order to VIN | 325-056, 325 086 or 325-061<br>Pos. 9              | Hex socket head bolt M8X40   | 06            |
| WHT002459    | 325-056, 325 086 or 325-061<br>Pos. 11             | Hexagon socket head bolt -M8X40-                                   | 20            |
| OCK301463A   | 325-056, 325 086 or 325-061<br>Pos. 14             | Gasket for housing   | 01            |



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|   |  |                                    |    |
|---|--|------------------------------------|----|
| Must remove and measure original Lock Ring to order correct part number. See ELSA repair instructions | 325-056, 325 086 or 325-061<br>Pos. 16 | Lock Ring                          | 01 |
| WHT002459C  | 321-060, 321-062 or 321-065<br>Pos. 6  | Hexagon socket head bolt –M8X40-   | 12 |
| OCK301461   | 321-060, 321-062 or 321-065<br>Pos. 7  | Gasket Multi-plate clutch          | 01 |
| OCK301164   | 321-060, 321-062 or 321-065<br>Pos.10  | Gasket                             | 01 |
| OCK301215   | 321-060, 321-062 or 321-065<br>Pos. 11 | Gasket                             | 01 |
| OCK301166   | 321-060, 321-062 or 321-065<br>Pos. 12 | Gasket                             | 01 |
| Order to VIN  | 325-055, 325-85 or 325-060<br>Pos. 3   | Control Unit for Automatic Gearbox | 01 |
| N 10801101  | 325-055, 325-85 or 325-060             | Hexagon socket flat head bolt      | 03 |



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|              |                                       |                                |    |
|--------------|---------------------------------------|--------------------------------|----|
|              | Pos. 4                                |                                |    |
| N 91127901   | 325-055, 325-85 or 325-060<br>Pos. 5  | Hexalobular flange screw M6X25 | 04 |
| Order to VIN | 325-055, 325-85 or 325-060<br>Pos. 7  | Gasket for oil pan             | 01 |
| Order to VIN | 325-055, 325-85 or 325-060<br>Pos. 8  | Tube                           | 01 |
| Order to VIN | 325-055, 325-85 or 325-060<br>Pos. 9  | Threaded plug                  | 01 |
| Order to VIN | 325-055, 325-85 or 325-060<br>Pos. 11 | Threaded plug                  | 01 |
| N 91043601   | 325-055, 325-85 or 325-060<br>Pos. 13 | Hex socket head bolt -M6X30-   | 25 |
| Order to VIN | 325-055, 325-85 or 325-060<br>Pos. 26 | Threaded plug                  | 01 |
| 0CK301191A   | 325-055, 325-85 or 325-060<br>Pos. 27 | Gasket                         | 01 |





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|   |  |   |                        |
|---|--|---|------------------------|
| N 91173601  | 325-055, 325-85 or 325-060<br>Pos. 30          | Hexalobular flange screw M6X22                                    | 04                     |
| 0CK325444   | 325-100 or 325-101 ODK<br>Pos. 28              | Gasket  | 01                     |
| 0CK325445   | 325-100<br>Pos. 29                             | Gasket  | 01                     |
| 0CK325443   | 325-100<br>Pos. 30                             | Gasket  | 01                     |
| N 91127901  | 325-100<br>Pos. 35                             | Hexalobular flange screw M6X25                                    | 03                     |
| N 10739402  | 325-100<br>Pos. 38                             | Bolt, hex head with shoulder M6X90X70<br>(mechatronics bolts)     | 07                     |
| G 055529A2  | 30-050 or 30-053 or 30-055 or 30-057<br>Pos. 3 | Dual Clutch Gearbox Oil ATF<br>(Automatic Transmission Fluid)     | 5 (4.35 Max<br>refill) |
| G 052549A2  | 30-050 or 30-053 or 30-055 or 30-057<br>Pos. 2 | Transmission oil MTF (Manual<br>Transmission Fluid)               | 4 (3.8 Max refill)     |
| <b>Additional parts for 0CL transmissions( Quattro Classic)</b> |  |   |                        |
| N 10582108  | 409-070<br>Pos. 7                              | Hexagon socket flat head bolt<br><b>Only For Transmission 0CL</b> | 02                     |
| WHT002429   | 409-070<br>Pos. 8                              | Hexagon socket head bolt<br><b>Only For Transmission 0CL</b>      | 11                     |



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|   |                    |                   |    |
|---|--------------------|-------------------|----|
| 0CK325446   | 325-100<br>Pos. 31 | Gasket            | 01 |
| <b>Additional part for 0CK transmissions (Front Wheel Drive)</b>      |                    |                   |    |
| 0CK301257A  | 325-081<br>Pos.13  | Sealing Cap       | 01 |
| <b>Additional parts for 0CJ and 0HL transmissions (Quattro Ultra)</b> |                    |                   |    |
| 0CK325446   | 325-100<br>Pos. 31 | Gasket            | 01 |
| 0CK301257A  | 325-081<br>Pos.13  | Sealing Cap       | 01 |
| Order to VIN  | 325-056<br>Pos. 25 | Radial shaft seal | 01 |
| <b>Additional parts for 0DK transmissions (PHEV / Hybrid)</b>         |                    |                   |    |
| 0CK325446   | 325-101<br>Pos. 31 | Gasket            | 01 |
| 0DK 315 380   | 325-060<br>Pos. 35 | Gasket for        | 01 |
| WHT 009 273   | 325-062<br>Pos.9   | O-Ring            | 01 |
| WHT 003 379 C   | 325-062<br>Pos. 11 | O-Ring            | 02 |
| 0CK 301 164   | 321-065<br>Pos. 10 | Gasket            | 01 |



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|               |                    |                               |    |
|---------------|--------------------|-------------------------------|----|
| OCK 301 215   | 321-065<br>Pos. 11 | Gasket                        | 01 |
| OCK 301 166   | 321-065<br>Pos. 12 | Gasket                        | 01 |
| ODK 301 166A  | 325-063<br>Pos. 15 | Gasket                        | 01 |
| WHT 006 741   | 325-063<br>Pos. 16 | O-ring                        | 01 |
| ODK 121 131 A | 325-063<br>Pos. 18 | Coolant adaptor with seal     | 01 |
| N 91104601    | 325-063<br>Pos. 21 | Bolt, with polygon socket hd. | 12 |
| ODK 972 921   | 325-062<br>Pos. 7  | Double Grommet                | 01 |

| Tool Number           | Tool Description                       |
|-----------------------|--|
| VAS6100               | Shop Crane                             |
| T40123A with T40123/2 | Dual Clutch Lifting Device with sleeve |
| T40099                | Pressure Stand                         |
| T40100                | Ruler                                  |
| VAS6087               | Digital Depth Gauge                    |
| T40288                | Guide Pins - Gearbox -                 |



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|---|--|
| 10-222A/2   | Engine Support Bridge - Additional Hooks |
| T40323  | Press Tool                               |
| VW771   | Slide Hammer Set                         |
| T40155  | Retaining Strap                          |
| 10-222A/12  | Engine/Gearbox Support Shackle           |
| VW637/2   | Puller - Grease Cap                      |
| VAS1978/14A   | Hot Air Blower (Component of VAS1978B)   |
| T40321  | Support                                  |
| T40322A   | Cover                                    |
| T40305  | Assembly Tool                            |
| T40199  | Oil Sump Assembly Pin                    |
| VAS6122   | Engine Bung Set                          |
| Tools below are only required for the ODK transmission PHEV |  |
| Tool Number   | Tool Description                         |
| T40412  | Assembly Tool                            |
| T40410  | Lifting Device                           |

## Additional Information

All parts and service references provided in this TSB (2060242) are subject to change and/or removal.

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