



# Technical Service Bulletin

## 34 Function restriction with event memory entry P071800 - P276800 (symptom 20736 - 20737)

34 23 66 2067653/5 December 12, 2023. Supersedes Technical Service Bulletin Group 34 number 23-64 dated November 1, 2023 for reasons listed below.

| Model(s)                                                                                                | Year        | VIN Range | Vehicle-Specific Equipment |
|---------------------------------------------------------------------------------------------------------|-------------|-----------|----------------------------|
| A4, A4 allroad,<br>A5, A5 Cabriolet,<br>A5 Sportback,<br>A6, A6 allroad,<br>A7, Q5, and Q5<br>e quattro | 2020 – 2023 | All       | Not Applicable             |
| Q5 Sportback                                                                                            | 2021 – 2023 |           |                            |
| A7 e quattro                                                                                            | 2021 – 2022 |           |                            |

## Condition

| REVISION HISTORY |            |                                                                                                                                           |
|------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Revision         | Date       | Purpose                                                                                                                                   |
| 5                | -          | Revised header (Removed Model Year)<br>Revised <i>Service</i> (Changed Gearbox Production Date, Edited Service Instructions, Edited Note) |
| 4                | 11/01/2023 | Revised header (Added Model Year)                                                                                                         |
| 3                | 01/26/2023 | Revised <i>Warranty</i> (Service Number changed)                                                                                          |

### Customer states:

- “Gearbox Malfunction” is displayed in the instrument cluster.

and/or

- Vehicle intermittently does not shift up or down.

and/or

- Vehicle is in limp home mode.

and/or

- “Reverse gear unavailable” is displayed in the instrument cluster.

and/or

- “You can continue driving (functions limited)” is displayed in the instrument cluster.

### Workshop findings:

- The customer complaint(s) can be reproduced.



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

- **DTC: P071800** "Input/Turbine Speed Sensor 'A' Circuit Intermittent", passive/sporadic with Symptom Code: 20736.

and/or

- **DTC: P276800** "Input/Turbine Shaft Speed Sensor 'B' Circuit Intermittent", passive/sporadic with Symptom Code 20737.

Also possible in combination with above DTCs.

- **DTC: P081100** "Excessive Clutch Slippage", passive/sporadic with Symptom Code 20870.

and/or

- **DTC: P081E00** "Clutch 2 excessive clutch slippage", passive/sporadic with Symptom Code 20872.

## Technical Background

Not applicable.

## Production Solution

Improved Transmission Control Unit in Production.

## Service

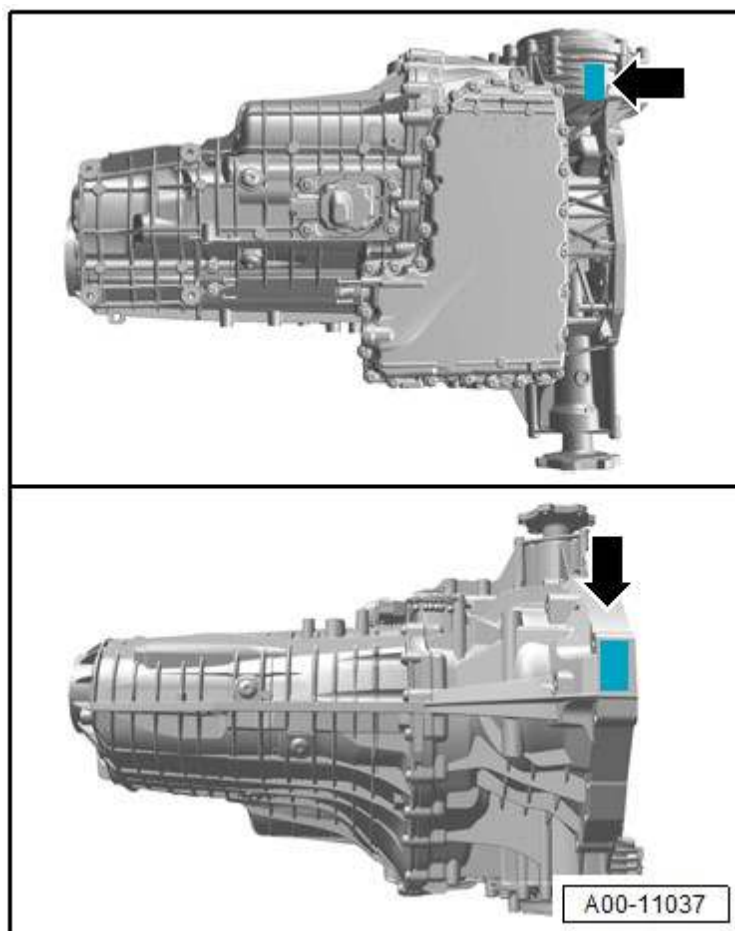
Try to reproduce the customer complaint (based on the description and DTCs), so that it can be clearly assigned to this TSB.



**This TSB only applies to a specific date range of the transmission. If the manufacturing date of the transmission is not within the affected range, this TSB does not apply.**

- **First determine if the Transmission was built within the date range of June 15, 2020, and April 30, 2023.**
- Check one of the transmission data stamps which are located on the bottom of the front differential and the top of the bell housing (Figure 1).

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**Figure 1.** Locations of data stampings.

The Data Stamping contains the following information:

Production Data: 006SVHC021170K180228

Transmission Code: SVH

Serial Number: C021170K

**Production Date: 28.02.2018.** Day/Month/Year format. Example shown would be February 28<sup>th</sup> 2018.

If the date is within the date range of June 15, 2020, and May 31, 2022:

- **Event memory entry P071800 logged (active/static):**
  - If the event memory entry “P071800 – Input/Turbine Speed Sensor "A" Circuit Intermittent” is stored **active/static**, the repair in this TSB does not apply to this case. Follow the ODIS test plan completely and accurately.
- **Event memory entry P071800 logged (passive/intermittent):**
  - If the event memory entry “P071800 – Input/Turbine Speed Sensor "A" Circuit Intermittent” is stored **passive/sporadic**, replace the transmission control unit J217 according to the Workshop Manual.
- **Event memory entry P276800 logged (active/static):**



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- If the event memory entry “P276800 – Input/Turbine Shaft Speed Sensor “B” Circuit Intermittent” is stored **active/static**, the repair in this TSB does not apply to this case. Follow the ODIS test plan completely and accurately.
- **Event memory entry P276800 logged (passive/intermittent):**
  - If the event memory entry “P276800 – Input/Turbine Shaft Speed Sensor “B” Circuit Intermittent” is logged **passive/sporadic**, replace the transmission control unit J217 according to the Workshop Manual.



Use the “Replace control module” test program to do so.

Test drive to confirm the concern is repaired.

## 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>   | 3511                                                                                                                                                                                                                                                |           |                                                |
| <b>Damage Code:</b>      | 0040                                                                                                                                                                                                                                                |           |                                                |
| <b>Labor Operations:</b> | Remove and install mechatronic unit                                                                                                                                                                                                                 | 3511 19xx | See SRT with associated operations             |
|                          | Remove and install control unit<br>(some models may have predecessor labor operations which may also be claimed)                                                                                                                                    | 3481 1950 | See SRT with associated operations             |
| <b>Diagnostic Time:</b>  | GFF                                                                                                                                                                                                                                                 | 0150 0000 | Time stated on diagnostic protocol (Max 80 TU) |
|                          | Road test prior to service procedure                                                                                                                                                                                                                | 0121 0002 | 10 TU                                          |
|                          | Road test after service procedure                                                                                                                                                                                                                   | 0121 0004 | 10 TU                                          |
| <b>Claim Comment:</b>    | As per TSB 2067653/5                                                                                                                                                                                                                                |           |                                                |

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.

## Required Parts and Tools



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| Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. |                                                                      |               |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------|
| Part Number                                                                                         | Part Description                                                     | Quantity      |
| See ETKA                                                                                            | Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual   | See ETKA/ELSA |
| Order to VIN                                                                                        | Control unit for 7 speed gearbox                                     | 01            |
| Order to VIN                                                                                        | Gasket for oil pan, Plugs, tube from oil pan to transmission cooler. | See ETKA/ELSA |

## Additional Information

All parts and service references provided in this TSB (**2067653**) are subject to change and/or removal.

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