

Technical Service Bulletin

30 Various DTCs stored in the TCM and/or running problems - high maximum temperature recorded for clutch K1

30 24 33 2060560/3 March 5, 2024. Supersedes Technical Service Bulletin Group 30 number 23-32 dated January 12, 2023 for reasons listed below.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|--------------------------|----------------------------|-----------|----------------------------|
| S3 | 2018 – 2020 2022 – 2024 | All | Not Applicable |
| A3 Cabriolet | 2019 | | |
| A3 | 2019 – 2020 2022 – 2024 | | |
| TT, TTS, and TT Roadster | 2019 - 2023 | | |

Condition

| REVISION HISTORY | | |
|------------------|------------|---|
| Revision | Date | Purpose |
| 3 | - | Revised <i>header</i> (added model years) |
| 2 | 01/12/2023 | Revised <i>header</i> (MY 2021 TT added) |
| 1 | 09/01/2020 | Initial publication |

Customer states:

- The clutch slips when pulling away.

Or

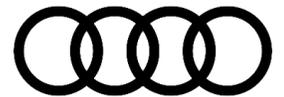
- The gearbox malfunction message appears in the instrument cluster.

Or

- The vehicle shudders when shifting to odd-numbered gears (e.g., 2 > 3 gear change, 4 > 5 gear change, etc.).

Workshop findings:

- The customer statement(s) can be reproduced.
- In the gearbox measured values the calculated maximum temperature of the clutch (K1) is about 400 °C (Figure 1).
- The transmission fluid condition smells burnt and is black or very dark in color.
- Various DTCs are stored in the transmission control module (TCM), J217 (address word 0002) regarding the clutch and gear changing (e.g., gear 1 not adjustable, clutch slip, etc.).



Technical Service Bulletin

- TSB 2050723: 35 Gearbox Malfunction Warning, DTC P176F00, P176E00 or P175E00 stored in the TCM does not show in ELSA for the vehicle **or** when TSB 2050723 is followed it does not apply to the concern.

Technical Background

Clutch 1 is worn.

Production Solution

Not applicable.

Service

If the above condition applies to the vehicle:

1. Check if the TSB 2050723 applies to the vehicle first. If it does not lead to repair or Audi Technical Assistance Center (TAC) case, then continue with this TSB.
2. Using the diagnostic scan tool check the measured value for Clutch 1's maximum temperature (Figure 1).

| | |
|------------------------------|-----------------------------|
| Analyse 88 | Clutch_1_temperature_maximu |
| | m |
| Clutch 1 temperature maximum | 400 °C |

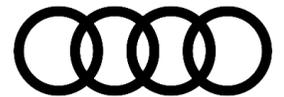
Figure 1. Measured value for Clutch 1 maximum temperature.

3. Check the transmission fluid by obtaining a sample of the transmission fluid drained into a white cup. Approximately one inch of transmission fluid in the cup is all that is required. Take a photograph of the fluid with the cup tilted at about 45 degrees for your records (Figure 2). It may be needed if an Audi Technical Assistance Center (TAC) case needs to be opened or for warranty purposes.



Figure 2. Fluid photograph example showing approximately one inch of fluid in the white cup, and tilted on an angle to show depth and color.

4. If the measured value for Clutch 1 maximum temperature is about 400 degrees Celsius and the transmission fluid smells burnt and is black or very dark in color, then replace the dual clutch, the transmission fluid, and the transmission filter per the repair manual.
5. If the clutch 1 maximum temperature is not close to 400 degrees Celsius and the transmission fluid is not black or very dark in color, then this TSB does not apply. Open an Audi Technical Assistance Center (TAC)



Technical Service Bulletin

case with pictures of the transmission fluid picture attached and your diagnosis information. Then contact the Audi Technical Assistance Center (TAC).

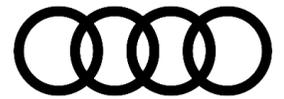
Warranty

| | | | |
|--------------------------|---|-----------|---|
| 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: | 3060 | | |
| Damage Code: | 0014 | | |
| Labor Operations: | Remove and install gearbox (Check labor operation by VIN) | 3435 19XX | See SRT with associated operations |
| | Multiple clutch remove + reinstall (Check labor operation by VIN) | 3060 19XX | See SRT with associated operations |
| Diagnostic Time: | GFF | 0150 0000 | Time stated on the diagnostic protocol (Max 50 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 2060560/2 | | |

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

| 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 |
| 0GC398XXXX | Repair kit for Multiple Clutch (Order to VIN and production date) | 01 |



Technical Service Bulletin

| | | |
|------------|--|----|
| 0GC325XXXX | Filter element (Order to VIN and production date) | 01 |
| G055529A2 | Dual clutch gearbox oil | 07 |

Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2050723, *35 Gearbox Malfunction Warning, DTC P176F00, P176E00 or P175E00 stored in the TCM.*

All parts and service references provided in this TSB (**2060560**) are subject to change and/or removal.

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