



Technical Service Bulletin

01 MIL on, DTC P218100, P017B00, P308100, and/or P01E400 are stored in the ECM

01 20 52 2058767/2 March 26, 2020. Supersedes Technical Service Bulletin Group 01 number 20-48 dated March 11, 2020 for reasons listed below.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|----------|-------------|-------------------|----------------------------|
| A6, A7 | 2018 - 2019 | All (Neckarsulm) | V6 TFSI |
| A6, A7 | 2020 | N000001 - N030626 | V6 TFSI |
| A8 | 2019 - 2020 | All | V6 TFSI |
| Q7 | 2020 | D000001 - D000009 | V6 TFSI |
| Q8 | 2019 | All (Bratislava) | V6 TFSI |
| Q8 | 2020 | D000001 - D050965 | V6 TFSI |
| S4 | 2017 - 2020 | All (Ingolstadt) | V6 TFSI |
| S5, RS5 | 2018 | All | V6 TFSI |
| S5 | 2019 | A000001 - 086414 | V6 TFSI |
| RS5 | 2019 | A000001 - 907080 | V6 TFSI |
| S5 | 2020 | N000001 - N000785 | V6 TFSI |
| SQ5 | 2018 - 2020 | All | V6 TFSI |

Condition

| REVISION HISTORY | | |
|------------------|------------|--|
| Revision | Date | Purpose |
| 2 | - | Revised header (Added models) Revised <i>Service</i> (Updated Step 1) Revised <i>Warranty</i> (Updated Labor Operations) |
| 1 | 03/11/2020 | Initial publication |

Customer states:

- MIL on.

Workshop findings:

- The fan may run permanently.

At least two DTCs below are stored in the engine control module (ECM), J623 (address word 0001):



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- **DTC P218100** (fault in cooling system).
- **DTC P017B00** (sensor for cylinder head temperature, implausible signal).
- **DTC P308100** (engine temperature too low).
- **DTC P01E400** (sender 3 for coolant temperature, implausible signal).

Technical Background

Not applicable.

Production Solution

Implementation of the improved thermostat in to production.



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Service

1. Remove the thermostat and check whether it closes completely. If the coolant is still warm, put the thermostat in cold water to restore its original condition. If there is a gap between chamber and seal, the thermostat is faulty and needs to be replaced.
2. Attach photos to the repair order which clearly shows that the thermostat does not close neatly.



Note:

After the repair, fill with G12evo coolant in the coolant circuit.



Figure 1. Gap between chamber and seal.



Note:

Parts replacement of the coolant temperature sender does not solve this issue. Claims for replaced parts will be subject to review.



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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 the vehicle is outside any warranty, this Technical Service Bulletin is informational only. | | |
| Service Number: | 1958 | | |
| Damage Code: | 0017 | | |
| Labor Operations: | Drain and fill in coolant | 1938 1743 | See SRT |
| | Replace coolant thermostat | 1958 1993 (All Models) | See SRT |
| | Remove and install air pipe of the intake air distributor | 2446 1943 (A6, A7, S4, SQ5, S5, and RS5 Only) | See SRT |
| | Cooling Fan Housing R&R | 1920 1994 (Q7 Only) Or 1920 1943 (Q8 and A8 Only) | See SRT |
| | Front Bumper R&R | 6329 1900 (Q7 Only) | See SRT |
| Diagnostic Time: | GFF | 0150 0000 | Time stated on the diagnostic protocol (Max 50 TU) |
| | Road test prior to the service procedure | No allowance | 0 TU |
| | Road test after the service procedure | No allowance | 0 TU |
| Claim Comment: | As per TSB #2058767/2 | | |

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.



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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 |
| 06M121115K | Thermostat | 01 |
| 06M121688 | Seal ring | 01 |

Additional Information

All parts and service references provided in this TSB (2058767) are subject to change and/or removal.

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