

## Technical Service Bulletin

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| <b>Topic</b>           | 19 EA888 Evo4 engine temperature too high MLB; P00B700, P011600; P268100 |
| <b>Market area</b>     | United States 444 Volkswagen of America, Inc. (6444)                     |
| <b>Brand</b>           | Audi                                                                     |
| <b>Transaction No.</b> | 2077593/1                                                                |
| <b>Level</b>           | EH                                                                       |
| <b>Status</b>          | Released for publishing                                                  |
| <b>Release date</b>    | Apr 14, 2025                                                             |

### Diagnostic trouble codes

| Diagnostic address        | Diagnostic trouble code                                                | Fault symptom | Storage state |
|---------------------------|------------------------------------------------------------------------|---------------|---------------|
| 0001 - Engine electronics | P00B700: Engine Coolant Flow Low/Performance                           |               | Intermittent  |
| 0001 - Engine electronics | P011600: Engine Coolant Temperature Sensor 1 Circuit Range/Performance |               | Intermittent  |
| 0001 - Engine electronics | P268100: Engine Coolant Bypass Valve Control Circuit/Open              |               | Intermittent  |

### New customer code

| Object of complaint                                                                                                                 | Complaint type             | Position |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------|
| information, navigation, communication, entertainment -> warning display symbols -> low coolant\coolant temperature warning display | functionality -> activates |          |

### New workshop code

| Object of complaint                            | Complaint type               | Position |
|------------------------------------------------|------------------------------|----------|
| engine -> cooling system -> coolant thermostat | functionality -> no function |          |

## Vehicle data

### EA888 EVO4

#### Sales types

| Type | MY   | Brand | Designation | Engine code | Gearbox code | Final drive code |
|------|------|-------|-------------|-------------|--------------|------------------|
| 8Y*  | 2022 | A     |             | *           | *            | *                |
| 8Y*  | 2023 | A     |             | *           | *            | *                |
| 8Y*  | 2024 | A     |             | *           | *            | *                |
| FY*  | 2018 | A     |             | *           | *            | *                |
| FY*  | 2019 | A     |             | *           | *            | *                |
| FY*  | 2020 | A     |             | *           | *            | *                |
| FY*  | 2021 | A     |             | *           | *            | *                |

| Type | MY   | Brand | Designation | Engine code | Gearbox code | Final drive code |
|------|------|-------|-------------|-------------|--------------|------------------|
| FY*  | 2022 | A     |             | *           | *            | *                |
| FY*  | 2023 | A     |             | *           | *            | *                |
| FY*  | 2024 | A     |             | *           | *            | *                |
| FY*  | 2025 | A     |             | *           | *            | *                |

Control units

| Diagnostic address        | Software part number | Software version | Hardware part number | Hardware version |
|---------------------------|----------------------|------------------|----------------------|------------------|
| 0001 - Engine electronics | *80A*.906.259.M*     | 0001             | *                    | *                |
| 0001 - Engine electronics | *80A*.906.259.M*     | 0002             | *                    | *                |
| 0001 - Engine electronics | *80A*.906.259.M*     | 0003             | *                    | *                |
| 0001 - Engine electronics | *80A*.906.259.M*     | 0004             | *                    | *                |
| 0001 - Engine electronics | *80A*.906.259.M*     | 0005             | *                    | *                |
| 0001 - Engine electronics | 8Y0.906.259.J        | 0001             | *                    | *                |
| 0001 - Engine electronics | 8Y0.906.259.J        | 0002             | *                    | *                |
| 0001 - Engine electronics | 8Y0.906.259.J        | 0003             | *                    | *                |
| 0001 - Engine electronics | 8Y0.906.259.J        | 0004             | *                    | *                |

Documents

| Document name              |
|----------------------------|
| <a href="#">master.xml</a> |

## Condition

### Customer states:

- The coolant level warning lamp lights up.

### Workshop findings:

One of more of the following DTC or DTCs and symptom code(s) may be stored in *the engine control module - J623-*, (address word 0001):

- **DTC P00B700:** Engine Coolant Flow Low/Performance
- **DTC P011600:** Engine Coolant Temperature Sensor 1 Circuit Range/Performance
- **DTC P268100:** Coolant bypass valve control - Open circuit

## Technical Background

The software for the engine control module, J623 (address word 0001) needs to be updated.

## Production Solution

Not applicable.

## Service

### Applies to vehicles with high-voltage components:

#### NOTICE

**To prevent charging of the high-voltage battery during the software update, the high-voltage cable is to be removed BEFORE entry of the SVM code on vehicles with high-voltage components.**

Charging the high-voltage battery during a software update can damage the high-voltage components.

#### NOTICE

**Always use DoIP when flashing a control module via ODIS in supported vehicles.**

To Activate DoIP, select Administration>>General>>GFF Process>>DoIP communication>>Only allow DoIP communication.

This setting will automatically reset when the diagnostic session has ended. You can tell if DoIP is active by observing a red LED on the VAS 6154(A).

Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.

Update the engine control module (J623) using the SVM action code as listed in the table below, if necessary:

| Model Code | Diagnostic Address | Old Software Part Number | Old Software Version (or lower) | New Software Part Number (or higher) | New Software Version | SVM Code Input |
|------------|--------------------|--------------------------|---------------------------------|--------------------------------------|----------------------|----------------|
|------------|--------------------|--------------------------|---------------------------------|--------------------------------------|----------------------|----------------|

|     |      |                  |      |               |             |        |
|-----|------|------------------|------|---------------|-------------|--------|
|     |      |                  |      |               | (or higher) |        |
| FY* | 0001 | 80A 906 259<br>M | 0005 | 80A 906 259 M | 0006        | 01A267 |
| 8Y* |      | 8Y0 906 259 J    | 0004 | 8Y0 906 259 J | 0005        |        |

The engine control unit software must be updated on this vehicle. Inform the customer about the software update and ask them whether the engine control unit has been altered by chip tuning. Explain to the customer that updating the engine control unit software renders the chip tuning ineffective. In certain circumstances, the engine control unit may even be damaged by the software update. Ask the customer to clarify with the tuning company in advance whether a software update is possible. Damage to the engine control unit resulting from chip tuning cannot be billed to AUDI AG under warranty. Please refer the customer to the Warranty and Maintenance booklet to learn more about how chip tuning can impact warranty coverage. Explain to the customer that neither AUDI AG nor your company can be held responsible for damage caused by the software update or for damage that occurs as the result of not having the update performed. Make a note about this effect on the order before it is signed by the customer. Include this information in the customer file.

## Warranty

|                   |                                                                                                                                                   |           |                                        |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------|
| Claim Type:       | <ul style="list-style-type: none"><li>If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.</li></ul> |           |                                        |
| Service Number:   | 1958                                                                                                                                              |           |                                        |
| Damage Code:      | 0017                                                                                                                                              |           |                                        |
| Labor Operations: | Software update                                                                                                                                   | 0151 0010 | See SRT with associated operations     |
|                   | Software update                                                                                                                                   | 0151 0060 | Time stated on the diagnostic protocol |
| Claim Comment:    | As per TSB 2077593/1                                                                                                                              |           |                                        |

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.

## Additional Information

All part and service references provided in this TSB (**2077593**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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