



# Technical Service Bulletin

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**80 MIL on, cabin heating or cooling is inoperative, DTC B158129 and/or B158131 stored in the climatronic control module**

80 19 10 2057304/1 November 20, 2019.

| Model(s)  | Year        | VIN Range | Vehicle-Specific Equipment |
|-----------|-------------|-----------|----------------------------|
| A3 e-tron | 2017 - 2018 | All       | Not Applicable             |

## Condition

### Customer statement:

- The vehicle air conditioning system or cabin heating system is inoperative.
- The blower motor may be inoperative as well however in cases where it may be operating, no cold air from the air conditioning system or warm air from the heating system is delivered.
- The check engine light (MIL) is on.

### Workshop findings:

One or both of the following DTCs will be stored in the climatronic control module, J255 (address word 0008):

- **DTC B158129** (HV heater control module, Implausible signal - active/static).
- **DTC B158131** (HV heater control module, no signal, passive/sporadic).

## Technical Background

Under certain conditions when the climatronic control module, J255 (address word 0008) reactivates the High Voltage Heater Z115 after a network sleep cycle an incorrect command can be sent to the Z115 EEPROM causing permanent electrical damage requiring replacement of the high voltage heater Z115. Additionally, the high voltage system fuse 3 S353 may be blown.

## Production Solution

New software in the climatronic control module, J255 (address word 0008) addressed the condition.

## Service

1. Replace the high voltage heater **3Q0 819 013 F** using the procedure in Elsa and the high voltage system fuse 3 S353 if necessary. Then, update the software of the climatronic control module, J255 (address word 0008) with the instructions below.



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## SVM Update Instructions

- Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
- Update the climatronic control module, J255 (address word 0008) using the SVM action code as listed in the table below, if necessary:

| Model     | Old Software Part Number | Old Software Version | New Software Part Number | New Software Version<br>(or higher) | SVM Code Input |
|-----------|--------------------------|----------------------|--------------------------|-------------------------------------|----------------|
| A3 e-tron | 8V0820043*               | 0100                 | 8V0820043*               | 0120                                | 08A030         |
| A3 e-tron | 8V0820043*               | 0110                 | 8V0820043*               | 0120                                | 08A030         |

## 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>   | 8039                                                                                                                                                                                                                                          |              |                                                    |
| <b>Damage Code:</b>      | 0040                                                                                                                                                                                                                                          |              |                                                    |
| <b>Labor Operations:</b> | Software Update                                                                                                                                                                                                                               | 0151 0000    | Time stated on the diagnostic protocol (Max 50 TU) |
|                          | Disable the high voltage system                                                                                                                                                                                                               | 9310 0000    | See SRT                                            |
|                          | Heater element remove + reinstall                                                                                                                                                                                                             | 8039 1910    | See SRT                                            |
|                          | Disassemble the power electronics module and replace fuse S353 (if necessary)                                                                                                                                                                 | 9350 9999    | 50 TU                                              |
| <b>Diagnostic Time:</b>  | GFF                                                                                                                                                                                                                                           | No allowance | 0 TU                                               |
|                          | Road test prior to the service procedure                                                                                                                                                                                                      | No allowance | 0 TU                                               |

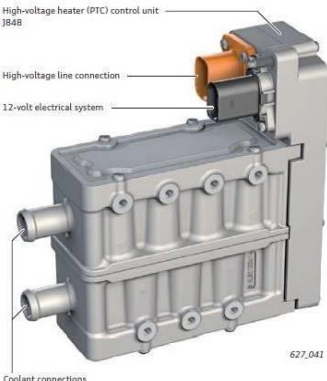
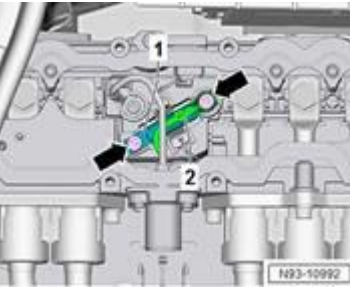


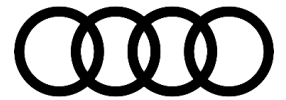
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|                       |                                       |              |      |
|-----------------------|---------------------------------------|--------------|------|
|                       | Road test after the service procedure | No allowance | 0 TU |
| <b>Claim Comment:</b> | As per TSB #2057304/1                 |              |      |

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.

## 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      |
| 3Q0819013F                                                                                          | <br>High Voltage Heater | 01            |
| 5C0915463                                                                                           | <br>Fuse               | 01            |
| See ETKA                                                                                            | Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual                                        | See ETKA/ELSA |



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## Additional Information

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

- TSB 2011732, *00 Software Version Management (SVM), operating instructions*.

All part and service references provided in this TSB (2057304) are subject to change and/or removal.

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