

Technical Service Bulletin



60 Sunroof glass panel or sunroof rollershade does not operate DTC's B154354, B154454, etc. stored in 00CA

90 23 24 2054505/4 April 25, 2023. Supersedes Technical Service Bulletin Group 60 number 21-52 dated March 26, 2021, for reasons listed below.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|----------|------|-----------|----------------------------|
|----------|------|-----------|----------------------------|



| | | | |
|---|----------------------------|-----|----------------|
| A4 allroad, A4, and Q7 | 2017 – 2024 | All | Not Applicable |
| S4, A5, S5, A5 Sportback, S5 Sportback, Q5, and SQ5 | 2018 - 2024 | | |
| RS 5 | 2018 – 2019 2021 – 2024 | | |
| A3 Sportback e-tron | 2018 -2019 | | |
| A6, A7, A8, Q3, and Q8 | 2019 – 2024 | | |
| e-tron quattro | 2019 2021 - 2023 | | |
| A6 allroad, S6, S7, S8, Q5 e quattro, SQ7, SQ8, and RS Q8 | 2020 – 2024 | | |
| e-tron Sportback quattro | 2020 - 2024 | | |
| A8 e quattro | 2020 - 2021 | | |
| RS 5 Sportback, RS 6 Avant, RS 7, Q5 Sportback, and SQ5 Sportback | 2021 – 2024 | | |
| A7 e quattro | 2021 – 2022 | | |
| e-tron S quattro | 2022 – 2023 | | |
| Q8 e-tron, and Q8 e-tron quattro | 2024 | | |



Condition

| REVISION HISTORY | | |
|------------------|------------|--|
| Revision | Date | Purpose |
| 4 | - | Revised header (Additional models and model years) Revised <i>Warranty</i> (Table deleted, informational TSB) |
| 3 | 03/26/2021 | Revised header (Added A8) Revised <i>Warranty</i> (Added Labor Operations) |
| 2 | 12/09/2020 | Revised header (Added A7) Revised <i>Service</i> (Added step) Revised <i>Warranty</i> (Added Labor Operations) |

Customer states:

- The panoramic sunroof glass panel or sunroof shade fails to operate with the switch.

Technical Background

For any number of reasons (e.g. low battery, software update, loss of power to sunroof components for an extended period of time while performing other repairs, etc.) the sunroof glass panel drive motor V1 or the sunroof shade drive motor V260 may lose its end-stop adaptation or basic settings. In these cases one of the following two DTC scenarios may be stored in the power sunroof control module, J245 (address word 00CA):

Scenario 1

- **DTC B154354** (Sunroof No basic setting).

Along with any of the following DTCs:

- **DTC B157129** (Hall sensor for sunroof motor, implausible signal).
- **DTC B157529** (Sunroof motor Hall sensor 2, implausible signal).
- **DTC B157711** (Hall sensor for sunroof motor supply, short circuit to ground).

Scenario 2

- **DTC B154454** (Roof blind, no basic setting).

Along with any of the following DTCs:

- **DTC B157329** (Hall sensor for roof blind motor, implausible signal).
- **DTC B157629** (Hall sensor 2 for roof blind motor, implausible signal).
- **DTC B157811** (Hall sensor for roof blind motor supply, short circuit to ground).

Production Solution

Not Applicable

Service

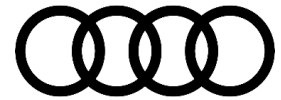
Before condemning and replacing the sunroof glass panel drive motor V1 or the sunroof shade drive motor V260 make an attempt to set the basic settings on either drive motor. The basic settings are run as follows:

1. To set the basic settings on the sunroof glass panel drive the sunroof panel must be fully closed first. One-touch function is likely to be inactive so the panel may need to be closed holding the switch.

With the sunroof panel fully closed pull down the sunroof switch fully (past both detents) and hold it in this position (Figure 1). After 6 – 7 seconds the sunroof panel will begin to move rearward to its stop then move fully forward until fully closed. Do not release the switch from this position until the entire sequence is complete. Releasing this switch during the sequence will cause the basic settings to fail. It must then be repeated starting with a fully closed sunroof glass panel.



Figure 1. Set the sunroof panel basic settings by pulling the sunroof switch fully downward.



2. As in the procedure for setting the basic settings for the sunroof panel, the sunroof shade must be fully closed first as well. One-touch function is likely to be inactive so the shade may need to be closed holding the switch.

With the sunroof shade fully closed push the sunroof shade switch fully forward (past both detents) and hold it in this position (Figure 2). After 6 – 7 seconds the sunroof shade will begin to move rearward to its stop then move fully forward until fully closed. As in the case for the sunroof glass panel drive, do not release the switch from this position until the entire sequence is complete. Releasing this switch during the sequence will cause the basic settings to fail. It must then be repeated starting with a fully closed sunroof shade.



Figure 2. Set the sunroof shade basic settings by pushing the sunroof shade switch fully forward.

Warranty

This TSB is informational only and not applicable to any Audi warranty.

Additional Information

All part and service references provided in this TSB (**2054505**) 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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