



Technical Service Bulletin

57 Vehicle locking system, diagnostic information

57 21 75 2022032/9 April 1, 2021. Supersedes Technical Service Bulletin Group 57 number 19-54 dated March 13, 2019 for reasons listed below.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|----------|-------------|-----------|----------------------------|
| All | 2005 - 2022 | All | Not Applicable |

Condition

| REVISION HISTORY | | |
|------------------|------------|--|
| Revision | Date | Purpose |
| 9 | - | Revised header (Updated MY) |
| 8 | 03/13/2019 | Revised header (Added MY 2019) Revised <i>Service</i> (Updated opening and added tables) |
| 7 | 06/29/2016 | Revised header (Added A4 (8W), Q7(4M), and model years) Revised <i>Service</i> (Added information for A4 (8W) and Q7(4M)) |

The customer asks about the operation of locking the vehicle, and may suggest that the vehicle has “locked itself”.

Technical Background

The lock command history is stored in the comfort system central control module, J393 (address word 0046) or the central locking control module, J429 (address word 0009).

Production Solution

Not applicable.

Service

To identify the source of why a vehicle locked or unlocked, inspect the vehicle’s locking history.

Reference the information applicable to your vehicle below.



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Be aware that the vehicle has a maximum number of events which it can store. In some cases, the historical data which corresponds to a concern may have been overwritten by more recent events.

A3 (8P), Q3 (8U), R8 (42), and TT (8J):

Control Module: Central Locking Control Module Address 0009

Number Of Events: 10

MVB: 101-110

Source Location: Field 1

Lookup Table: A



Tip: For A3 (8P), TT, and R8 models, the measuring value blocks are only available from model year 2010.

A3 (8V) and TT (FV):

Control Module: Central Locking Control Module Address 0009

Number Of Events: 10

MVB: “central locking history data”

Lookup Table: A

A4 (8K), A5, Q5, A6/A7 (4G), A8 (4H), and R8 (4S):

Control Module: Comfort System Control Module Address 0046

Number Of Events: 5

MVB: 55-59

Last Event Location: Field 1

Lookup Table: A

| Table A | |
|---------|--------------------|
| ID | Value |
| 0 | No Data Available |
| 1 | Lock Cylinder, L/F |
| 2 | Lock Cylinder, R/F |



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| | |
|----|--|
| 3 | Lock Cylinder, Trunk |
| 4 | Remote Control Key |
| 5 | Remote Control Key, Trunk Button |
| 6 | Door Handle Sensor, L/F |
| 7 | Door Handle Sensor, R/F |
| 8 | Door Handle Sensor, L/R |
| 9 | Door Handle Sensor, R/R |
| 10 | Keyless Entry, Trunk |
| 11 | Interior Button, L/F |
| 12 | Interior Button, R/F |
| 13 | Interior Button, L/R |
| 14 | Interior Button R/R |
| 15 | Automatic Relock (Vehicle Was Not Opened Within One Minute Of Unlocking) |
| 16 | Terminal 15 (Accessory Power) On |
| 17 | Crash |
| 18 | Auto Lock (Vehicle Speed Over 9 MPH (15 km/h)) |
| 19 | Auto Unlock (After Switching S-Contact Off (Vehicle Off)) |
| 20 | Airbag Signal Failure |

A6 (4F) and Q7 (4L):

Control Module: Comfort System Control Module Address 0046

Number Of Events: 1

MVB: 17

Last Event Location: Field 1

Lookup Table: B



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Tip: On the A6 and Q7, only the very last operating command of the vehicle locking can be read. Auto lock overwrites this value.

| Table B | |
|---------|--|
| ID | Value |
| 0 | No Data Available |
| 1 | Remote Control Key |
| 2 | Remote Control Key, Trunk Button |
| 3 | Keyless Lock |
| 4 | Lock Cylinder, L/F |
| 5 | Interior Button, L/F |
| 6 | Interior Button, R/F |
| 7 | Interior Button, L/R |
| 8 | Interior Button R/R |
| 9 | Auto Lock (Vehicle Speed Over 9 MPH (15 km/h)) |
| 10 | Automatic Relock (Vehicle Was Not Opened Within One Minute Of Unlocking) |
| 11 | Lock Via Diagnostic Output Test |

A4 (F4), A5 (F5), Q5 (FY), Q7 (4M), A6 (4A), A7 (4KA), A8 (4N) and Q8 (4MN):

Control Module: Comfort System Control Module Address 0046

Number Of Events: 20

MVB: "History data central locking " ** " last event"

Lookup Table: C

| Table C | |
|---------|-----------------|
| ID | Value |
| 0 | no data present |



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| | |
|----|---|
| 1 | Lock cylinder L/F |
| 2 | Lock cylinder R/F |
| 3 | Remote control |
| 4 | Outside door handle sensor, L/F |
| 5 | Outside door handle sensor, R/F |
| 6 | Outside door handle sensor, L/R |
| 7 | Outside door handle sensor, R/R |
| 8 | Driver interior locking button |
| 9 | Front passenger interior locking button |
| 10 | Driver side rear interior locking button |
| 11 | Front passenger side rear interior locking button |
| 12 | Re-locking to opening via radio or outside door handle sensor |
| 13 | Autolock |
| 14 | Locking mechanism button in the rear lid |
| 15 | Locking via Smartphone-App |
| 16 | Locking by special purpose vehicle control module |
| 17 | Distance to vehicle |
| 18 | The terminal control, remote control |
| 19 | Terminal control, outside door handle sensor, L/F |
| 20 | Terminal control, outside door handle sensor, R/F |
| 21 | Terminal control, outside door handle sensor, L/R |
| 22 | Terminal control, outside door handle sensor, R/R |
| 23 | Terminal control, rear lid lock button / rear key sensor |
| 24 | Terminal control, locking cylinder, L/F |
| 25 | Terminal control, a front sensor for the keyless locking system |



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|----|---|
| 26 | Piloted parking |
| 27 | Remote locking via connect-service |
| 28 | Remote locking via a vehicle positioning system |
| 29 | Antenna for short-range communication in the driver door |
| 30 | Antenna for short-range communication in the front passenger door |
| 31 | Antenna for close range communication in the rear lid |
| 32 | Pre Sense |
| 35 | Auto Lock Rear Lid |

Warranty

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

Additional Information

All parts and service references provided in this TSB (2022032) 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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