

57 Vehicle locking system, diagnostic information

57 22 00 2022032/10 December 9, 2022. Supersedes Technical Service Bulletin Group 57 number 21-75 dated April 1, 2021, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
All Audi vehicles	2005 – 2024	All	Not Applicable

Condition

Revision	Date	Purpose
10	-	Revised header (Updated MY)
9	04/01/2021	Revised header (Updated MY)
8	06/29/2016	Revised header (Added MY 2019) Revised <i>Service</i> (Updated opening and added tables)

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 is locked or unlocked, inspect the vehicle’s locking history.

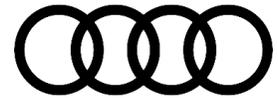
Reference the information applicable to your vehicle below.

Be aware that the vehicle has a maximum number of events that it can store. In some cases; 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

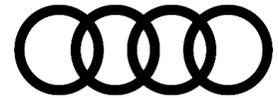
Number Of Events: 5

MVB: 55-59

Last Event Location: Field 1

Lookup Table: A

ID	Value
0	No Data Available
1	Lock Cylinder, L/F
2	Lock Cylinder, R/F
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

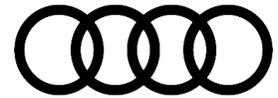
Lookup Table: B



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

Technical Service Bulletin



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, 8W), A5 (F5), Q5 (FY), Q7, Q8 (4M), A6 (4A), A7 (4KA), A8 (4N) and e-tron (GE), and e-tron GT (F8):

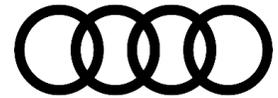
Control Module: Comfort System Control Module Address 0046

Number Of Events: 20

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

Lookup Table: C

Table C	
ID	Value
0	no data present
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

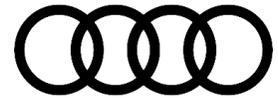


12	Re-locking to opening via radio or outside door handle sensor
13	Autolock
14	Locking mechanism button in the rear lid
15	Locking via Smartphone-App
16	Locking by special purpose vehicle control module
17	Distance to vehicle
18	The terminal control, remote control
19	Terminal control, outside door 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
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.

©**2022 Audi of America, Inc.** All rights reserved. The information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies, and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.