

# Technical Service Bulletin



## 57 Vehicle locking system, diagnostic information

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Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3	2010 - 2018	All	Not Applicable
A4	2009 - 2018	All	Not Applicable
A5	2010 - 2018	All	Not Applicable
A5 Cabriolet	2010 - 2018	All	Not Applicable
A6	2005 - 2018	All	Not Applicable
A7	2012 - 2018	All	Not Applicable
Q3	2015 - 2018	All	Not Applicable
Q5	2009 - 2018	All	Not Applicable
Q7	2007 - 2018	All	Not Applicable
TT	2010 - 2018	All	Not Applicable
R8	2010 - 2018	All	Not Applicable

## Condition

REVISION HISTORY		
Revision	Date	Purpose
7	-	Revised header data (Added A4 (8W), Q7(4M), and model years) Revised <i>Service</i> (Added information for A4 (8W) and Q7(4M))
6	7/18/2014	Revised header data (Added model year) Revised <i>Service</i> (Added A3 (8V) and Q3 models)
5	10/29/2013	Revised <i>Service</i> (added measuring value block information)

The customer inquires about the operation of the vehicle locking, and may suggest that the vehicle "locked itself".

## Technical Background

The lock command history is stored in the convenience system control module (J393).

## Production Solution

Not applicable.

## Service

The previous central locking system commands can be determined from the following measured value blocks in the convenience system control module:

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

- The *last ten* operating commands of the central locking system are stored in measuring value blocks 101 – 110 of address word 09. These can only be read using *Control Module OBD >> Read Measuring Value Block*. The value in field 1 determines the source and commanded action as listed below:
  - 0 = unknown
  - 1 = driver door lock cylinder
  - 2 = passenger door lock cylinder
  - 3 = trunk lid lock cylinder
  - 4 = remote control key
  - 5 = remote control key trunk lid function
  - 6 = driver door keyless entry
  - 7 = passenger door keyless entry
  - 8 = left rear keyless entry
  - 9 = right rear keyless entry
  - 10 = trunk lid keyless entry
  - 11 = driver door inside button
  - 12 = passenger door inside button
  - 13 = left rear inside button
  - 14 = right rear inside button
  - 15 = remote/keyless entry relock (if door/trunk are not opened within a minute of unlock command)
  - 16 = terminal 15 on
  - 17 = crash
  - 18 = auto lock (lock when driving over 9 mph (15km/h))
  - 19 = auto unlock (after switching S-contact off following an auto lock)
  - 20 = airbag signal failure



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

### A3 (8V), TT (FV):

- The *last ten* operating commands of the central locking system are stored in the measuring value block titled “central locking history data” of address word 09.

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

- The *last five* operating commands of the central locking system are stored in measuring value blocks 50 – 54 of address word 46. The value in field 1 determines the source and commanded action as listed below:
  - 0 = unknown
  - 1 = driver door lock cylinder
  - 2 = passenger door lock cylinder
  - 3 = trunk lid lock cylinder
  - 4 = remote control key
  - 5 = remote control key trunk lid function
  - 6 = driver door keyless entry
  - 7 = passenger door keyless entry
  - 8 = left rear keyless entry
  - 9 = right rear keyless entry
  - 10 = trunk lid keyless entry
  - 11 = driver door inside button
  - 12 = passenger door inside button
  - 13 = left rear inside button
  - 14 = right rear inside button
  - 15 = remote/keyless entry relock (if door/trunk are not opened within a minute of unlock command)
  - 16 = terminal 15 on
  - 17 = crash
  - 18 = auto lock (lock when driving over 9 mph (15km/h))
  - 19 = auto unlock (after switching S-contact off following an auto lock)
  - 20 = airbag signal failure
- The date corresponding to the operating commands of the central locking are stored in measuring value blocks 55 – 59.

## A6 (4F), Q7 (4L):

- The *last* locking command of the central locking system is stored in measuring value block 17 of address word 46. The value in field 1 determines the source of the lock command as listed below:
  - 0 = vehicle has not yet been locked
  - 1 = remote lock
  - 2 = remote control closed
  - 3 = keyless entry lock
  - 4 = driver door key switch
  - 5 = driver door locking button
  - 6 = passenger door locking button
  - 7 = left rear door locking button
  - 8 = right rear door locking button
  - 9 = auto lock (lock when driving over 9 mph (15km/h))
  - 10 = relocking after a certain time
  - 11 = locking via diagnostic output test



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

## A4 (8W), Q7 (4M):

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- The *last 20* operating points for locking the vehicle with date and time is stored in the measuring value blocks for “History data for central locking” in diagnosis address 46.
- Note that for the A4 (8W) and Q7 (4M) only values about locking are listed.

## 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 service manuals for the latest information.