

Technical Service Bulletin



57 Vehicle locking system, diagnostic information

57 13 97 2022032/5 October 29, 2013. Supersedes Technical Service Bulletin Group 57 number 13-92 dated August 1, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3	2010 – 2013	All	N/A
A4	2009 – 2015		
A5	2008 – 2015		
A5 Cabriolet	2010 – 2015		
A6	2005 – 2015		
A7	2012 – 2015		
Q5	2009 – 2015		
Q7	2007 – 2015		
TT	2010 – 2015		
R8	2010 – 2015		

Condition

REVISION HISTORY		
Revision	Date	Purpose
5	-	Revised <i>Service</i> (added measuring value block information)
4	8/1/2013	Revised header data (Added R8 model and model years) Revised <i>Service</i> (Added R8 model)
3	8/8/2011	Revised header data and <i>Service</i> with new models (A3, TT, A7, A8) and model year (MY12) information
2	5/10/2010	Revised header data (Controlling TSB display in ElsaWeb)
1	11/20/2009	Original publication

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, TT, R8:

- The *last ten* operating commands of the central locking system are stored in measuring value blocks 101 – 110 of address word 09. 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, TT and R8 models the measuring value blocks are only available from MY 2010.

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

- 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:

- 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 Audi Q7, only the very last operating command of the vehicle locking can be read. Auto lock overwrites this value.

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.