

Self-diagnosis of central locking Encoding control unit

The four individual central locking variants can be encoded according to the available function/equipment versions using the code.

Central locking versions:

- Only central locking
- Central locking with radio remote control
- Central locking with anti-theft alarm system
- Central locking with radio remote control and anti-theft alarm system

Notes:

- The basic functions of the central locking versions are listed in the standard coding table => Page [01-69](#).
- If a special individual central locking code is required (at customer request), the code must be determined using the coding questions => Page [01-70](#).

Standard coding table

Notes:

- When working on Swiss-registered vehicles, the Swiss-version anti-theft alarm system must be activated. This is only permissible on these vehicles. Add a 1 to the associated standard code, e.g.,: 01416 + 1 = 01417.
- It must be determined whether the ultrasonic interior monitor is equipped with a self-diagnostic feature (see footnote).

Vehicle type	Central locking version	Standard coding
Audi A6	- Vehicles only equipped with central locking	00000
	- Vehicles with central locking and anti-theft alarm system	01416 or 01288 1)
	- Vehicles with central locking and radio remote control	08768
	- Vehicles with central locking, anti-theft alarm system and radio remote control	10184 or 10056 1)

1) The vehicle has a self-diagnosing ultrasonic interior monitor, i.e., the control unit for the ultrasonic sensors -J347 registers with the address word 45.

Coding questions for individual central locking functions

Notes:

- Firstly, determine which central locking version is fitted to the vehicle, e.g., central locking and anti-theft alarm system.
- Copy the relevant table for the vehicle.
- Answer all questions in the table with "Yes" or "No" . Enter the associated number of the answer in the last column of your copy.
- If uncertain, ask the customer which central locking functions are required.
- Add together all numerical results from top to bottom. The total equals the valid control unit coding. As a check, add the numbers together again.
- An example of calculating the coding can be found on Page [01-75](#).

Table I for vehicles with central locking

Vehicles only equipped with central locking (CL):	Answer			
1.Should the vehicle be equipped with individual door opening and subsequent tailgate locking (security central locking)?	No = 0	Yes = 4		
2.Should the window lifters be switched off (USA door switching logic) if the driver door is open and the ignition is "Off"?	No = 0	Yes = 2048		
Total (coding):				

Table II for vehicles with central locking and anti-theft alarm system

Vehicles with central locking (CL), anti-theft alarm system (ATWS):	Answer			
1.Should the vehicle be equipped with individual door opening and subsequent tailgate locking (security CL)?	No = 0	Yes = 4		
2.Should the window lifters be switched off (USA door switching logic) if the driver door is open and the ignition is "Off"?	No = 0	Yes = 2048		
3.Should the ATWS be activated?	No = 0	Yes = 264		
4.Is the vehicle registered in Switzerland?	No = 0	Yes = 1		
5.Should arming of the ATWS be confirmed by flashing the turn signal lamps? 1)	No = 0	Yes = 4096		
6.Should arming of the ATWS be confirmed by sounding the ATWS horn? 1)	No = 0	Yes = 1024		
7.Is the ultrasonic sensor control unit J347 (interior monitor) equipped with self-diagnosis , i.e., the ultrasonic sensor control unit registers with the address word 45	No = 128	Yes = 0		
Total (coding):				

1) It is only permitted to answer one of the two questions with "Yes", however both can be answered with "No".

Table III for vehicles with central locking and radio remote control

Vehicles with central locking (CL) and radio remote control	Answer			
1.Should the vehicle be equipped with individual door opening and subsequent tailgate locking (security CL)?	No = 0	Yes = 4		
2.Should the window lifters be switched off (USA door switching logic) if the driver door is open and the ignition is "Off"?	No = 0	Yes = 2048		
3.Should the radio remote control be activated?	No = 0	Yes = 8192		
4.Should unlocking/locking of the CL using the radio remote control be confirmed by flashing the turn signal lamps?	No = 0	Yes = 512		
5.Should it be possible to open/close the windows and/or sliding roof using the radio remote control?	No = 0	Yes = 64		
6.Should it also be possible to open individual doors and				

subsequently lock the tailgate (security CL) using the radio remote control?	No = 16384	Yes = 0		
Total (coding):				

Table IV for vehicles with central locking, anti-theft alarm device and radio remote control

Vehicles with central locking (CL), radio remote control and anti-theft alarm system (ATWS):	Answer			
1.Should the vehicle be equipped with individual door opening and subsequent tailgate locking (security CL)?	No = 0	Yes = 4		
2.Should the window lifters be switched off (USA door switching logic) if the driver door is open and the ignition is "Off"?	No = 0	Yes = 2048		
3.Should the ATWS be activated?	No = 0	Yes = 264		
4.Is the vehicle registered in Switzerland?	No = 0	Yes = 1		
5.Should arming of the ATWS be confirmed by flashing the turn signal lamps? 1)	No = 0	Yes = 4096		
6.Should arming of the ATWS be confirmed by sounding the ATWS horn? 1)	No = 0	Yes = 1024		

1) It is only permitted to answer one of the two questions with "Yes", however both can be answered with "No".

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Vehicles with central locking (CL), radio remote control and anti-theft alarm system (ATWS):	Answer			
7.Is the control unit for the ultrasonic sensors J347 (interior monitor) equipped with self-diagnosis , i.e., the ultrasonic sensor control unit registers with the address word 45	No = 128	Yes = 0		
7.Should the radio remote control be activated?	No = 0	Yes = 8192		
8.Should unlocking/locking of the CL using the radio remote control be confirmed by flashing the turn signal lamps?	No = 0	Yes = 512		
9.Should it be possible to open/close the windows and/or sliding roof using the radio remote control?	No = 0	Yes = 64		
10.Should it also be possible to open individual doors and subsequently lock the tailgate (security CL) using the radio remote control?	No = 16384	Yes = 0		
Total (coding):				

Example of a special central locking coding:

Vehicles with central locking (CL), anti-theft alarm system (ATWS):	Answer			
1.Should the vehicle be equipped with individual door opening and subsequent tailgate locking (security CL)?	No = 0	Yes = 4		Yes = 4

2.Should the window lifters be switched off (USA door switching logic) if the driver door is open and the ignition is "Off"?	No = 0	Yes = 2048		No = 0
3.Should the ATWS be activated?	No = 0	Yes = 264		Yes = 264
4.Is the vehicle registered in Switzerland?	No = 0	Yes = 1		No = 0
5.Should arming of the ATWS be confirmed by flashing the turn signal lamps? 1)	No = 0	Yes = 4096		Yes = 4096
6.Should arming of the ATWS be confirmed by sounding the ATWS horn? 1)	No = 0	Yes = 1024		No = 0
7.Is the ultrasonic sensor control unit J347 (interior monitor) equipped with self-diagnosis, i.e., the ultrasonic sensor control unit registers with the address word 45	No = 128	Yes = 0		No = 128
Total (coding):				04492

1) It is only permitted to answer one of the two questions with "Yes", however both can be answered with "No".

Perform coding

→ Indicated on display:

Rapid data transfer HELP
 Select function XX

- Press keys 0 and 7.
- Quit entry with Q key.

→ Indicated on display:

Encode control unit
 Enter code number XXXXX (0-32000)

- Enter the valid 5-digit coding using the keypad, e.g., 00004. Fill empty spaces with 0.

Note:

The valid coding for the associated central locking pump is determined using the standard coding table => Page [01-70](#).

→ Indicated on display:

Code control unit Q
 Enter code number 00004 (0-32000)

- Quit entry with Q key.

→ Indicated on display:

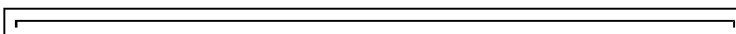
8L0862257E CL-pump
 Coding 00004 WSC 06812

- Press key to terminate coding procedure.

Indicated on display:

Rapid data transfer HELP
 Select function XX

- Press keys 0 and 6.



Indicated on display:

Rapid data transfer Q
06 - End output

- Quit entry with Q key.

Note:

The central locking pump can be checked by reading the measured value block function 004 => Page [01-82](#).