8 Acoustic Parking System (APS) selfdiagnosis

8.1 General notes

Different automatic parking aid systems are fitted in the Audi A6:

♦

4-channel-parking aid with 4 ultrasonic sensors in rear bumper 8-channel-parking aid with 4 ultrasonic sensors each in rear and front bumper

The parking aid system monitors the area around the vehicle by means of ultrasonic sensors in the bumper. The acoustic distance indicator signal is provided by one or two tone senders in the vehicle interior.

The rear sensors are deactivated if a trailer is hitched up and the trailer socket connected. The front sensors remain active.

Proximity warning distance when reversing or driving forward (automatic parking system active):

- ♦ Distance less than approx. 60 cm for all side sensors
- ♦ Distance less than approx. 120 cm for front centre sensors
- ♦ Distance less than approx. 150 cm for rear centre sensors

Components of 4-channel parking aid:

- 1 Parking aid control unit -J446-
- 2 Rear left parking aid sender -G203-
- 3 Rear centre left parking aid sender -G204-
- 4 Rear centre right parking aid sender -G205-
- 5 Rear right parking aid sender -G206-
- 6 Rear parking aid warning buzzer -H15-

Additional components of 8-channel parking aid:

- 7 Front left parking aid sender -G255-
- 8 Front centre left parking aid sender -G254-
- 9 Front centre right parking aid sender -G253-
- 10 Front right parking aid sender -G252-
- 11 Front parking aid warning buzzer -H22-

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not 12 - Parking aid button -E266- with parking aid warning lamp AUDI AG. AUDI AG does not guarantee or accept any liability K136-

Function

- After switching on the ignition, a self-test is implemented and completed in less than 1 second. The control unit is then permanently active; however, the distance monitoring system is only activated when reverse gear is engaged, or with the 8-channel parking aid system it can be activated and deactivated using the parking aid button -E266-.
- If the parking aid system is ready for operation, a brief acoustic signal will sound, and with the 8-channel parking aid system the parking aid warning lamp -K136- in the parking aid button -E266- will light up.



- If a fault is detected in the system, an acoustic signal will sound for 5 seconds, and with the 8-channel parking aid system the parking aid warning lamp -K136- will flash.
- The intervals between signals become shorter as distance decreases. At distances of less than 30 cm warning signals merge into a continuous tone.
- No warning is given when driving alongside a wall.

8.2 Performing parking aid self-diagnosis

Procedure

- Vehicle diagnostic, testing and information system -VAS 5051connected and <u>vehicle self-diagnosis</u> selected
 ⇒ page 1.
- · Ignition switched on.

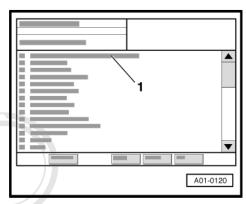


WARNING

Observe safety precautions ⇒ page 1.

Display on -VAS 5051-:

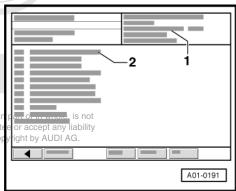
- From list -1- select vehicle system "76 Parking system".
- Wait until next display screen appears.



Display on -VAS 5051-:

- 1 Control unit identification of parking system
- 2 Selection of functions ⇒ page 185

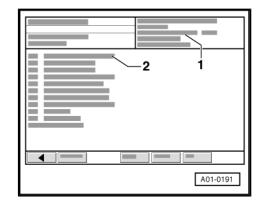
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Parking system control unit identification (example)		
76 - Parking aid	Vehicle system	
4B0919283	Part no.; allocation ⇒ Parts catalogue	
Parking system	Component designation	
A6 RoW	Model/country version	
D	Data level (software version) of control unit	
Coding 106	Control unit encoding (checking <u>⇒ page 192</u>)	
Dealership number 12345	Workshop code of -VAS 5051- with which encoding was last performed	

The following functions shown in the display -2- are available:

Functions	Page
02 Interrogating fault memory	<u>⇒ page 185</u>
03 Final control diagnosis	<u>⇒ page 190</u>
05 Erasing fault memory	<u>⇒ page 191</u>
06 Ending output	<u>⇒ page 192</u>
07 Coding control unit	<u>⇒ page 192</u>
08 Reading measured value block	<u>⇒ page 194</u>
10 Adaption	⇒ page 198



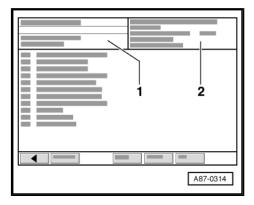
All other functions displayed cannot be selected or can be ignored in this case.

Fault messages on -VAS 5051-

If a fault message appears on the display, refer to ⇒ Operating instructions of vehicle diagnostic, testing and information system -VAS 5051-.

If display zone -1- shows fault message "Vehicle system not available":

- Check:
- Power supply to diagnostic connection ⇒ Current flow diagrams, Electrical fault finding and Fitting locations
- Wiring between diagnostic connection and instrument cluster ⇒ Current flow diagrams, Electrical fault finding and Fitting locations



8.3 Interrogating fault memory



Note

The fault information displayed is not constantly updated, but rather only on starting self-diagnosis or using function "05 - Erasing fault memory".

Procedure

Start parking system self-diagnosis ⇒ page 184.

Display on -VAS 5051-:

- From list -1-, select function "02 - Interrogating fault memory".



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0 faults detected -1- Content of fault memory

X faults detected

-2- Fault Fault code

Fault location Type of fault

A - If faults are detected:

Print out information on screen or self-diagnosis log.

Terminate function "02 - Interrogate fault memory" by touching ∟ key.

Display on -VAS 5051-:

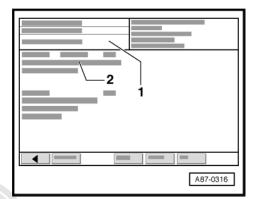
Eliminate fault(s) on basis of fault tables ⇒ page 186

- From list -1-, select function "02 Interrogating fault memory" again and erase fault memory ⇒ page 191 .
- Select function "06 End of output" from list ⇒ page 192.

B - No faults detected:

Terminate function "02 - Interrogate fault memory" by touching ← key.

From list -1-, selecte 06 es Ending output A page 192 not guarantee or ac





8.4 Fault tables



Note

- Faults occurring in monitored sensors or components are stored in fault memory together with an indication of the type of fault.
- The fault tables are arranged according to the 5-digit fault codes in the left-hand column.
- The fault memory records all static and sporadic faults. If a fault occurs and persists for at least 2 seconds, it is identified as a static fault. If a fault then no longer occurs, it is stored as "sporadic". "Sporadic" additionally appears on the display.
- After switching on the ignition, all existing faults are set to "sporadic" and only stored as static if they still exist after checking.
- Sporadic faults which do not re-occur in the course of 50 driving cycles (ignition switched on for at least 5 minutes, vehicle speed greater than 30 km/h) are erased.
- Please do not immediately renew components indicated as faulty by the -VAS 5051-; first check the wiring and connectors of these components according to the current flow diagram. Also check the earth connections against the current flow diagram. This is particularly important in the case of "sporadic" faults.
- On completion of repair work, interrogate fault memory again and erase.



Display on -VAS 5051-	Possible cause of fault	Fault elimination
00532 Supply voltage Signal too low	Open circuit or short to earth/ positive in wiring	Use current flow diagram to check wiring and connectors

Display on -VAS 5051-	Possible cause of fault	Fault elimination
00625 Vehicle speed signal Implausible signal	◆ Loose contact in wire	Use current flow diagram to check wiring and connectors

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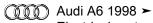
Display on -VAS 5051-	Possible cause of faults of inform	ation in this do Fault elimination DI AG.
01317 Control unit in instrument cluster - J285-	Open circuit or short to earth/ positive in CAN bus wiring	 Check CAN bus wiring ⇒ page 220
No communication	◆ Instrument cluster defective	 Renew instrument cluster ⇒ Rep. Gr. 90

Display on -VAS 5051-	Possible cause of fault	Fault elimination
01336 Convenience data bus defective	 Open circuit or short to earth/ positive in CAN bus wiring 	 Check CAN bus wiring ⇒ page 220
	 Display in "measured value block 130" for parking aid control unit -J446- is not "1" ⇒ page 57 	 Select "adaption channel 61" and enter correct adaption value ⇒ page 89 and ⇒ page 90
	 Adaption for instrument cluster not performed correctly 	

Display on -VAS 5051-	Possible cause of fault	Fault elimination
01543 Rear parking aid warning buzzer - H15-	 Open circuit or short to earth/ positive in wiring to component 	Use current flow diagram to check wiring and connectors
Short to positiveOpen circuit/short to earth	 Rear parking aid warning buzzer -H15- defective 	 Renew rear parking aid warning buzzer -H15- ⇒ Rep. Gr. 94

Display on -VAS 5051-	Possible cause of fault	Fault elimination
01544 Function indicator ◆ Open circuit/short circuit to positive ◆ Short to earth	 Open circuit or short to earth/ positive in wiring between park- ing aid control unit -J446- and parking aid button -E266- 	Use current flow diagram to check wiring and connectors

Display on -VAS 5051-	Possible cause of fault	Fault elimination
01545 Rear left parking aid sender -G203- ◆ Short to positive	 Open circuit or short to earth/ positive in wiring to component 	Use current flow diagram to check wiring and connectors
◆ Open circuit/short to earth		



Display on -VAS 5051-	Possible cause of fault	Fault elimination
◆ Defective component◆ Implausible signal	♦ Rear left parking aid sender - G203- defective	 Renew rear left parking aid sender -G203- ⇒ Rep. Gr. 94

Display on -VAS 5051-	Possible cause of fault	Fault elimination
01546 Rear centre left parking aid sender -G204- ◆ Short to positive ◆ Open circuit/short to earth	Open circuit or short to earth/ positive in wiring to component	Use current flow diagram to check wiring and connectors
Defective componentImplausible signal	♦ Rear centre left parking aid sender -G204- defective	 Renew rear centre left parking aid sender -G204- ⇒ Rep. Gr. 94

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Display on -VAS 5051-	Possible cause of fault	Fault elimination
01547 Rear centre right parking aid sender -G205- ◆ Short to positive ◆ Open circuit/short to earth	♦ Open circuit or short to earth/ positive in wiring to component	Use current flow diagram to check wiring and connectors
◆ Defective component◆ Implausible signal	◆ Rear centre right parking aid sender -G205- defective	 Renew rear centre right parking aid sender -G205- ⇒ Rep. Gr. 94

Display on -VAS 5051-	Possible cause of fault	Fault elimination
01548 Rear right parking aid sender - G206- ◆ Short to positive ◆ Open circuit/short to earth	◆ Open circuit or short to earth/ positive in wiring to component	Use current flow diagram to check wiring and connectors
Defective componentImplausible signal	 ◆ Rear right parking aid sender - G206- defective 	 Renew rear right parking aid sender -G206- ⇒ Rep. Gr. 94

Display on -VAS 5051-	Possible cause of fault	Fault elimination
01549 Parking aid sender power supply Short to earth	♦ Short to earth in wiring	Use current flow diagram to check wiring and connectors

Display on -VAS 5051-	Possible cause of fault	Fault elimination
01550 Reverse gear signal Short to positive	♦ Short to positive in wiring to reversing light switch -F4-	Use current flow diagram to check wiring and connectors



Display on -VAS 5051-	Possible cause of fault	Fault elimination
01543 Front parking aid warning buzzer - H22-	 Open circuit or short to earth/ positive in wiring to component 	Use current flow diagram to check wiring and connectors
Short to positiveOpen circuit/short to earth	 ◆ Front parking aid warning buz- zer -H22- defective 	 Renew front parking aid warning buzzer -H22- ⇒ Rep. Gr. 94

Display on -VAS 5051-	Possible cause of fault	Fault elimination
01626 Front right parking aid sender - G252- ◆ Short to positive ◆ Open circuit/short to earth	Open circuit or short to earth/ positive in wiring to component	Use current flow diagram to check wiring and connectors
Defective componentImplausible signal	◆ Front right parking aid sender - G252- defective	 Renew front right parking aid sender -G252- ⇒ Rep. Gr. 94

Display on -VAS 5051-	Possible cause of fault	Fault elimination
01627 per Front centre right parking aid sender -G253- ◆ Short to positive ◆ Open circuit/short to earth		ഫ് ദ്വിട്ടേ current flow diagram to
Defective componentImplausible signal	◆ Front centre right parking aid sender -G253- defective	 Renew front centre right parking aid sender -G253- ⇒ Rep. Gr. 94

Display on -VAS 5051-	Possible cause of fault	Fault elimination	
O1628 Front centre left parking aid sender -G254- ◆ Short to positive ◆ Open circuit/short to earth	◆ Open circuit or short to earth/ positive in wiring to component	Use current flow diagram to check wiring and connectors	
Defective componentImplausible signal	♦ Front centre left parking aid sender -G254- defective	 Renew front centre left parking aid sender -G254- ⇒ Rep. Gr. 94 	

Display on -VAS 5051-	Possible cause of fault	Fault elimination
01629 Front left parking aid sender -G255- ◆ Short to positive	 Open circuit or short to earth/ positive in wiring to component 	Use current flow diagram to check wiring and connectors
Open circuit/short to earth		
Defective componentImplausible signal	 ◆ Front left parking aid sender - G255- defective 	 Renew front left parking aid sender -G255- ⇒ Rep. Gr. 94

Display on -VAS 5051-	Explanatory notes	Fault elimination
65535	Parking aid control unit -J446-	 Renew parking aid control unit -
Control unit defective	defective	J446- ⇒ Rep. Gr. 94

8.5 Final control diagnosis



Note

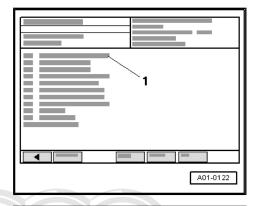
- Final control diagnosis can only be performed with the engine not running and the ignition switched on.
- Any fault identified by the final control diagnosis must be traced and eliminated.

Procedure

Start parking system self-diagnosis ⇒ page 184.

Display on -VAS 5051-:

In list -1- select function "03 - Final control diagnosis".



Display on -VAS 5051-:

A - 1st control element being tested

- 1 Front parking aid warning buzzer -H22-
- The front warning buzzer sounds.



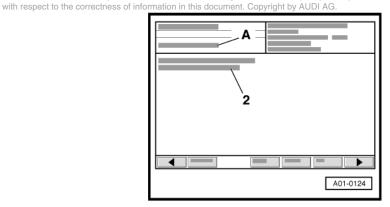
Note

This control element is only called up on vehicles with 8-channel parking aid system.

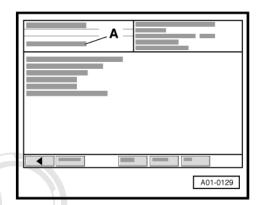
Touch \square key.

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- A 2nd control element being tested
- 2 Rear parking aid warning buzzer -H15-
- The rear warning buzzer sounds.
- Touch \square key.



- A Final control diagnosis over
- Terminate function "03 Final control diagnosis" by touching ← key.



8.6 **Erasing fault memory**



Note

If fault memory cannot be erased, interrogate fault memory again and eliminate fault.

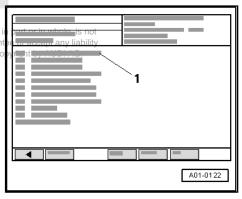
Procedure

- Fault memory interrogated by payer 185 ying for private or commercial purposes, unless authorised by AUDI AG. AUDI AG does not guaranteed by AUDI AG. AUDI AG.
- with respect to the correctness of information in this document. C All faults eliminated

After interrogation of fault memory:

Display on -VAS 5051-:

From list -1-, select function "05 - Erasing fault memory".



Display on -VAS 5051-:

- 1 No display (prior to erasing) or
- Fault memory erased



Note

If the following message appears in display zone -1-: "Fault memory not yet interrogated", the procedure has not been correctly implemented. The fault memory cannot be erased until it has been interrogated.

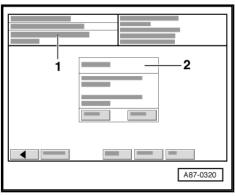
- 2 Note: Is function to be implemented? Note: Data will be erased!
- Touch the OK button in display -2-.
- Interrogate fault memory again on completion of repair work.



Note

This erases faults stored during fault rectification, e.g. as a result of unplugging connectors.

Terminate function "05 - Erasing fault memory" by touching ← key.

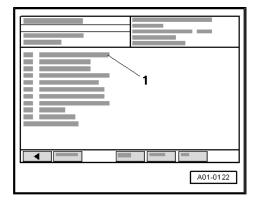


8.7 **Ending output**

Procedure

Display on -VAS 5051-:

- From list -1-, select function "06 - End of output".



Display on -VAS 5051-:

Switch off ignition and unplug diagnostic connector when this display appears.



8.8 Coding control unit



Encoding sets the parking aid control unit -J446- to the specific vehicle equipment.

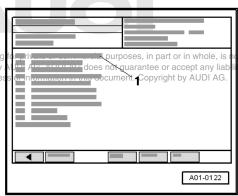
Procedure

Start parking system self-diagnosis ⇒ page 184.

Display on -VAS 5051-:

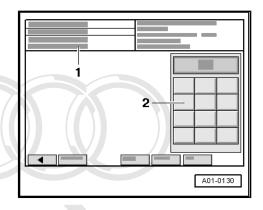
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- From list -1-, select function "07 - Encoding control unit".



1 - Enter code word

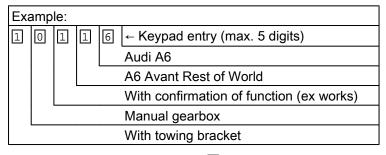
				Encoding table
0				Without towing bracket
1				With towing bracket
	0			Manual gearbox
	1			Automatic Gearbox
		0		No function confirmation
		1		With confirmation of function (ex works)
			0	Saloon Rest of World
			1	Avant Rest of World
			2	Saloon USA
			3	Avant USA
			4	S6 saloon Rest of World Protected by copyright. Copying to
			5	S6 Avant Rest of World with respect to the correctness
			6	S6 saloon USA
			7	S6 Avant USA
			8	A6 allroad
				6 Audi A6/S6

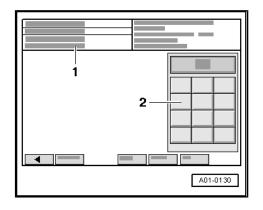


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Display on -VAS 5051-:

Use keypad -2- to enter control unit code on basis of encoding



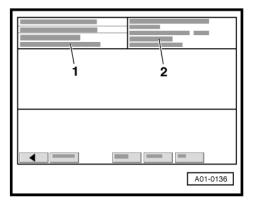


Confirm entry by touching key Q.

Display on -VAS 5051-:

- 1 Coding in progress
- Wait until next display screen appears.

- 1 Vehicle system coding completed
- 2 Control unit identification with new code (old code in paren-
- Terminate function "07 Encoding control unit" by touching \sqsubseteq key.



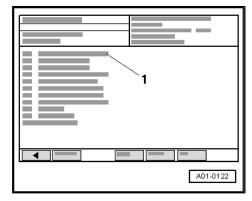
8.9 Reading measured value block

Procedure

Start parking system self-diagnosis ⇒ page 184.

Display on -VAS 5051-:

Select function "08 - Reading measured value block" from list



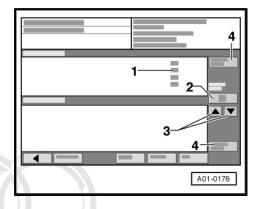
Display on -VAS 5051-:

- 1 Enter display group
- Enter the required "display group number" using keypad -2-.
- ◆ Display group overview for 4-channel parking aid system ⇒ page 194
- ◆ Display group overview for 8-channel parking aid system
 ⇒ page 195
- Confirm entry by touching key \(\overline{\omega} \).



Display on -VAS 5051-:

- 1 Display zones 1 ... 4. If a display zone is not assigned, there is no display on this line.
- 2 The display group selected is shown here
- 3 By touching these keys you can switch to a different display group
- 4 By touching these keys you can switch to a different function (e.g. from "Reading measured value block" to "Basic setting" and vice versa).
- Terminate function "08 Reading measured value block" by touching ☐ key.



Display group overview for 4-channel parking aid system

Disp	Display group 001				
Disp	olay zones	Explanatory notes			
1		Rear left parking aid sender -G203- distance			
	cm	• 0 200 cm			
2		Rear centre left parking aid sender -G204- distance			
	cm	Projected how puright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.			
3		Rear centre right parking aid sender -G205- distance			
	cm	• 0 200 cm			
4		Rear right parking aid sender -G206- distance			
	cm	• 0 200 cm			



Disp	Display group 002			
Disp	olay zones	Explanatory notes		
1	cm	Shortest distance of the 4 measured values		
2	km/h	Vehicle speed		
3		Warning buzzerSound onSound off		
4	Protected b	Not used a copyright. Copying for private or commercial purposes, in part or in whole, is not		

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Disp	Display group 003		
Disp	olay zones	Explanatory notes	
1	V	Parking aid sender power supply	
2		Reverse gear recognition	
		Rev. yes	
		Rev. no	
3		Trailer recognition	
		Trail. yes	
		Trail. no	
4		Not used	

Disp	Display group 004		
Disp	olay zones	Explanatory notes	
1	ms	Rear left parking aid sender -G203- oscillation delay period • max. 4 ms ¹⁾	
2	ms	Rear centre left parking aid sender -G204- oscillation delay period • max. 4 ms ¹⁾	
3	ms	Rear centre right parking aid sender -G205- oscillation delay period • max. 4 ms ¹⁾	
4	ms	Rear right parking aid sender -G206- oscillation delay period • max. 4 ms ¹⁾	

¹⁾ If the oscillation delay period is longer than 4.00 ms (with reverse gear engaged), either the parking aid sender is defective or there is an open circuit in the wiring.

Display group overview for 8-channel parking aid system

Disp	Display group 001		
Display zones		Explanatory notes	
1	cm	Front left parking aid sender -G255- distance • 0 200 cm	
2		Front centre left parking aid sender -G254- distance	

Disp	Display group 001		
Display zones		Explanatory notes	
	cm	• 0 200 cm	
3	cm	Front centre right parking aid sender -G253- distance • 0 200 cm	
4	cm	Front right parking aid sender -G252- distance • 0 200 cm	

Disp	Display group 002		
Disp	olay zones	Explanatory notes	
1		Rear left parking aid sender -G203- distance	
	cm	• 0 200 cm	
2		Rear centre left parking aid sender -G204- distance	
	cm	• 0 200 cm	
3		Rear centre right parking aid sender -G205- distance	
	cm	• 0 200 cm	
4		Rear right parking aid sender -G206- distance	
	cm	• 0 200 cm	

Display group 003		Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not
Display zones		Explanatory notes in the correctness of information in this document. Copyright by AUDI AG.
1	cm	Shortest distance of the 4 measured values
2	cm	Shortest distance of the 4 measured values
3	km/h	Vehicle speed
4	V	Parking aid sender power supply

Disp	Display group 004		
Disp	olay zones	Explanatory notes	
1		Warning buzzer Sound on Sound off	
2		Reverse gear recognition Rev. yes Rev. no	
3		Trailer recognition Trail. yes Trail. no	
4		Tailgate recognition	



Display g	Display group 004	
Display zones		Explanatory notes
		Tailgate closed
		Tailgate open

Disp	Display group 005		
Disp	olay zones	Explanatory notes	
1		Parking aid button -E266- • Button on • Button off	
2		Parking aid warning lamp -K136- in parking aid button -E266- • LED on • LED off	
3		Not used	
4		Not used	

Disp	Display group 006		
Disp	olay zones	Explanatory notes	
1	Protected by copyright. permitted unless autho - with Spect to the co	Front/deft/parkingnaidssender. #G255#noscillation delay period ised by AUDI AG. AUDI AG does not guarantee or accept any liability mectr max . ir forms on in this document. Copyright by AUDI AG.	
2	ms	Front centre left parking aid sender -G254- oscillation delay period • max. 4 ms ¹⁾	
3	ms	Front centre right parking aid sender -G253- oscillation delay period • max. 4 ms ¹⁾	
4	ms	Front right parking aid sender -G252- oscillation delay period • max. 4 ms ¹⁾	

¹⁾ If the oscillation delay period is longer than 4.00 ms, either the parking aid sender is defective or there is an open circuit in the wiring.

Disp	Display group 007		
Dis	olay zones	Explanatory notes	
1	ms	Rear left parking aid sender -G203- oscillation delay period • max. 4 ms ¹⁾	
2	ms	Rear centre left parking aid sender -G204- oscillation delay period • max. 4 ms ¹⁾	
3	ms	Rear centre right parking aid sender -G205- oscillation delay period • max. 4 ms ¹⁾	
4		Rear right parking aid sender -G206- oscillation delay period	

Electrical system, self-diagnosis - Edition 11.2005

Disp	olay group 007	
Display zones		Explanatory notes
	ms	• max. 4 ms ¹⁾

¹⁾ If the oscillation delay period is longer than 4.00 ms (with reverse gear engaged), either the parking aid sender is defective or there is an open circuit in the wiring.

8.10 Adaption

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The individual functions are called up by way of the appropriate adaption channel number.

Adaption table

Adaption chan- nel	Function
01	Volume of warning tone (rear) <u>⇒ page 201</u>
02	Pitch (frequency) of warning tone (rear) <u>⇒ page 202</u>
03	Volume of warning tone (front) <u>⇒ page 203</u>
04	Pitch (frequency) of warning tone (front) ⇒ page 204

Performing function "10 - Adaption"

Start parking system self-diagnosis ⇒ page 184.

Display on -VAS 5051-:

- From list -1- select function "10 - Adaption".



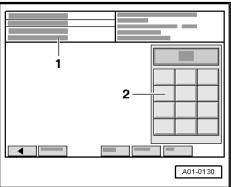
Display on -VAS 5051-:

- 1 Enter channel number
- Enter desired adaption channel on keypad -2- ⇒ page 198 and confirm entry by touching Q key.



Note

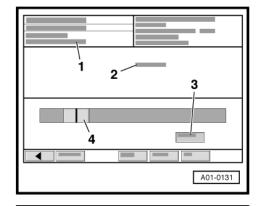
After altering an adaption value or exiting from an adaption channel, function "10 - Adaption" must be selected again to choose a different adaption channel.



A01-0132

Display on -VAS 5051-:

- 1 Channel X reading and testing
- 2 Text display for channel selected or no display
- 4 Bar is set to current adaption value



A - Altering adaption value by way of bar

Display on -VAS 5051-:

- Shift bar -5- in required direction or touch area next to bar, so that it moves in the desired direction.
- Touch the Save key -4-.



Note

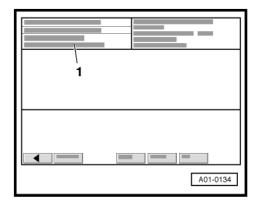
If the Savie they does not appear on the display, pentries can only ole, is repeated in the display, pentries can only ole, is repeated in the display. Page 200 are not expected in the display of the keypad page 200 are not expected by a contract of the correctness of information in this document. Copyright by AUDI AG.

Display on -VAS 5051-:

- 1 Store channel X
- 2 Text display for channel selected or no display
- 4 Original value X new value X
- Confirm the new adaption value by touching the Accept key
 -3-.

1 2 3 4 A01-0133

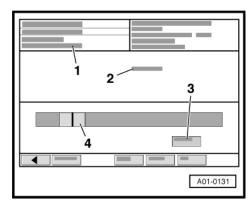
- 1 Channel X value X stored
- Terminate function "10 Adaption" by touching ☐ key.



B - Altering adaption value by means of direct entry

Display on -VAS 5051-:

- Touch keypad key -Item 3-.



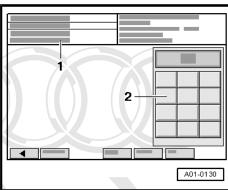
Display on -VAS 5051-:

- 1 Enter adaption value
- Enter the required adaption value on keypad -2-.

Required input value = "1" Example:

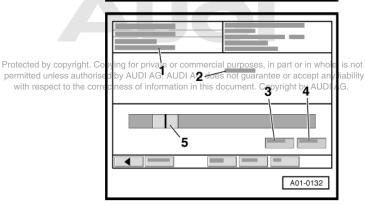
Keypad entry 1

Confirm entry by touching key Q.

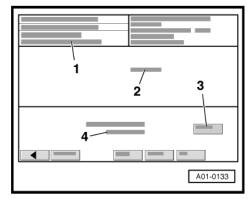


Display on -VAS 5051-:

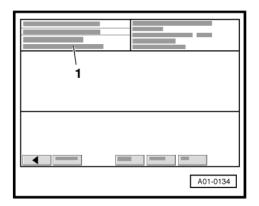
- Touch the Save key -4-.



- 1 Store channel X
- 2 Text display for channel selected or no display
- 4 Original value X new value X
- Confirm the new adaption value by touching the Accept key -3-.



- 1 Channel X value X stored
- Terminate function "10 Adaption" by touching ☐ key.



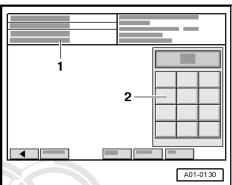
8.11 Adaption channels 01 ... 04

Adaption channel 01 - Volume of warning tone (rear)

This function is used to adapt the volume of the warning tone (rear).

Display on -VAS 5051-:

- 1 Enter channel number
- On keypad -2-, touch key [1] for "Adaption channel 01" and confirm the entry by touching the key.



Display on -VAS 5051-:

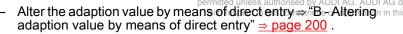
- 1 Channel 1 reading and testing
- 4 Bar is set to current adaption value

Volume	Lo	w			High	
Adaption value	2	3	4	5	6	7

Use the bar to alter the adaption value ⇒ "A - Altering adaption value by way of bar" ⇒ page 199.

or

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Enter the adaption value.

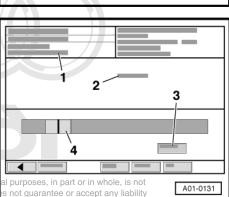
Medium volume = "4" Example:

Keypad entry 4

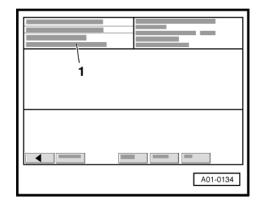


Note

The fault message "Function unknown or cannot be implemented" at present" appears if an implausible value is entered.



- 1 Channel 1 value 4 stored
- Terminate function "10 Adaption" by touching \square key.

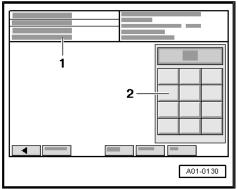


Adaption channel 02 - Pitch (frequency) of warning tone (rear)

This function is used to adapt the pitch (frequency) of the warning tone (rear).

Display on -VAS 5051-:

- 1 Enter channel number
- On keypad -2-, touch key 2 for "Adaption channel 02" and confirm the entry by touching the key.



Display on -VAS 5051-:

- 1 Channel 2 reading and testing
- 4 Bar is set to current adaption value

Pitch	0	.5		2 kHz		
Adaption value	0	1	2	3	4	

Use the bar to alter the adaption value ⇒ "A - Altering adaption value by way of bar" ⇒ page 199.

or

- Alter the adaption value by means of direct entry ⇒ "B Altering adaption value by means of direct entry" ⇒ page 200.
- Enter the adaption value.

Exam-Pitch 1 kHz = "2" ple:

Keypad entry 2

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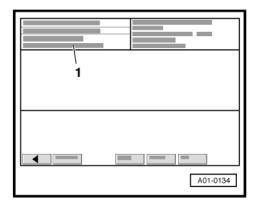
A01-0131



Note

The fault message "Function unknown or cannot be implemented" at present" appears if an implausible value is entered.

- 1 Channel 2 value 2 stored
- Terminate function "10 Adaption" by touching \square key.



Adaption channel 03 - Volume of warning tone (front)

This function is used to adapt the volume of the warning tone (front).

Display on -VAS 5051-:

- 1 Enter channel number
- On keypad -2-, touch key 3 for "Adaption channel 03" and confirm the entry by touching the key.

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- 1 Channel 3 reading and testing
- 4 Bar is set to current adaption value

Volume	Lo)W			High	
Adaption value	2	3	4	5	6	7

Use the bar to alter the adaption value ⇒ "A - Altering adaption value by way of bar" ⇒ page 199.

or

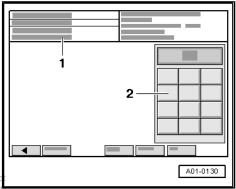
- Alter the adaption value by means of direct entry ⇒ "B Altering adaption value by means of direct entry" ⇒ page 200.
- Enter the adaption value.

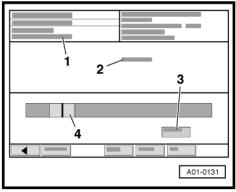
Exam-Medium volume = "4" ple:

Keypad entry 4

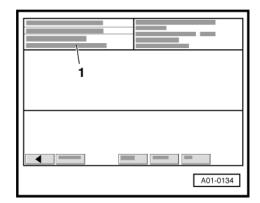


The fault message "Function unknown or cannot be implemented" at present" appears if an implausible value is entered.





- 1 Channel 3 value 4 stored
- Terminate function "10 Adaption" by touching ☐ key.

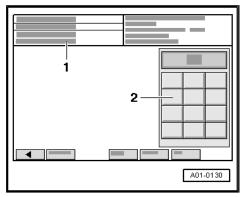


Adaption channel 04 - Pitch (frequency) of warning tone (front)

This function is used to adapt the pitch (frequency) of the warning tone (front).

Display on -VAS 5051-:

- 1 Enter channel number
- On keypad -2-, touch key 4 for "Adaption channel 04" and confirm by touching the Q key.



Display on -VAS 5051-:

- 1 Channel 4 reading and testing
- 4 Bar is set to current adaption value

Pitch	0	.5	2 kHz		
Adaption value	0	7	2	3	4

Use the bar to alter the adaption value ⇒ "A - Altering adaption value by way of bar" ⇒ page 199

or

- Alter the adaption value by means of direct entry ⇒ "B Altering adaption value by means of direct entry" ⇒ page 200
- Enter the adaption value value copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability
 ExamPitch 1 kHz = 2 propert to the correctness of information in this document. Copyright by AUDI AG.

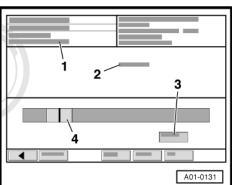
Exam- Pitch 1 kHz Pitch 1 kHz Pitch 2 Pitch 1 kHz

Keypad entry 2



Note

The fault message "Function unknown or cannot be implemented at present" appears if an implausible value is entered.



- 1 Channel 4 value 2 stored
- Terminate function "10 Adaption" by touching ☐ key.





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