

Audi A8 Self Leveling Suspension Calibrating Wheel Height

Product Model	Date	No.
X-431 Series	20170316	——

Function Description:

This function is used to calibrate wheel heights. When the DTC "01437 Default setting not learned, no or incorrect basic setting/matching" is present, you can perform this function to adjust wheel heights to rectify the fault.

Procedure:

- 1). Turn on the ignition switch and start the engine.
- 2). Choose Audi V27.80 or a later version.
- 3). Choose System Selection.
- 4). Choose 34 Self Leveling Suspension.
- 5). Choose 16 Safety Login, and input the login password 31564. Login succeeds.
- 6). Choose 10 Channel matching.
- 7). Input the channel number 001. After accessing the channel, the air suspension system automatically adjusts the height to a balanced position. When the message "Wait" changes to "FL wheel", height matching starts. Perform the operations in the correct channel sequence (001 FL wheel -> 002 FR wheel -> 003 RL wheel -> 004 RR wheel -> 005 save all height values). Otherwise, you must perform the operations again.

Active Test		
AUDI V28.21 > System Selection > 34 Ride Control System		
Name	Value	Unit
Channel	001	
Stored value	0	
Input value		
Initial value		
Information	Wait	
Information	-	
Information	Normal level	
Information	Initiate	



Figure 1

Active Test		
AUDI V28.21 > System Selection > 34 Ride Control System		
Name	Value	Unit
Channel	001	
Stored value	0	
Input value		
Initial value		
Information	Value	
Information	Wheel: F/ Left	
Information	Enter	
Information	-	



Figure 2

Click Modify on the lower right in Figure 2, and then click Input to input the value 416. See Figure 3.



Active Test

AUDI V28.21 > System Selection > 34 Ride Control System

Name	Value	Unit
Channel	001	
Stored value	0	
Input value	416	
Test value	416	
Information	Value	
Information	Valid	
Information	-	
Information	-	

Value +

Input

Value -

Save

Help

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Figure 4

- 9) Click OK. Then, click Save in Figure 4 to save the new value. Channel matching is successful.
- 10) After 001 channel FL wheel height calibration, choose [Channel+] to perform 002 channel FR wheel height calibration in the same way. Set the FR wheel height value to 416.
- 11) After FL wheel and FR wheel height calibration, choose [Channel+] to perform 003 channel RL wheel and 004 channel RR wheel height calibrations in the same way. Set the RL wheel and RR wheel height values to 398.
- 12) After calibrating heights of the four wheels, choose [Channel+] to access channel 005 to save the settings. See Figure 5.

Active Test		
AUDI V28.21 > System Selection > 34 Ride Control System		
Name	Value	Unit
Channel	005	
Stored value	0	
Input value		
Initial value		
Information	Value	
(no units)	1.00	
Information	Enter	
Information	-	

Channel +	Input	Channel -	Modify	Help
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Figure 5

Active Test		
AUDI V28.21 > System Selection > 34 Ride Control System		
Name	Value	Unit
Channel	005	
Stored value	0	
Input value	1	
Test value	1	
Information	Value	
(no units)	1.00	
Information	Enter	
Information	-	



Figure 6

- 13) Choose Modify in Figure 5. Then, choose Input in Figure 6 to input the value 1. Click OK and Save. Channel matching is successful. See Figure 7. If you do not perform channel 005 matching, the inputted four height values will not be saved.

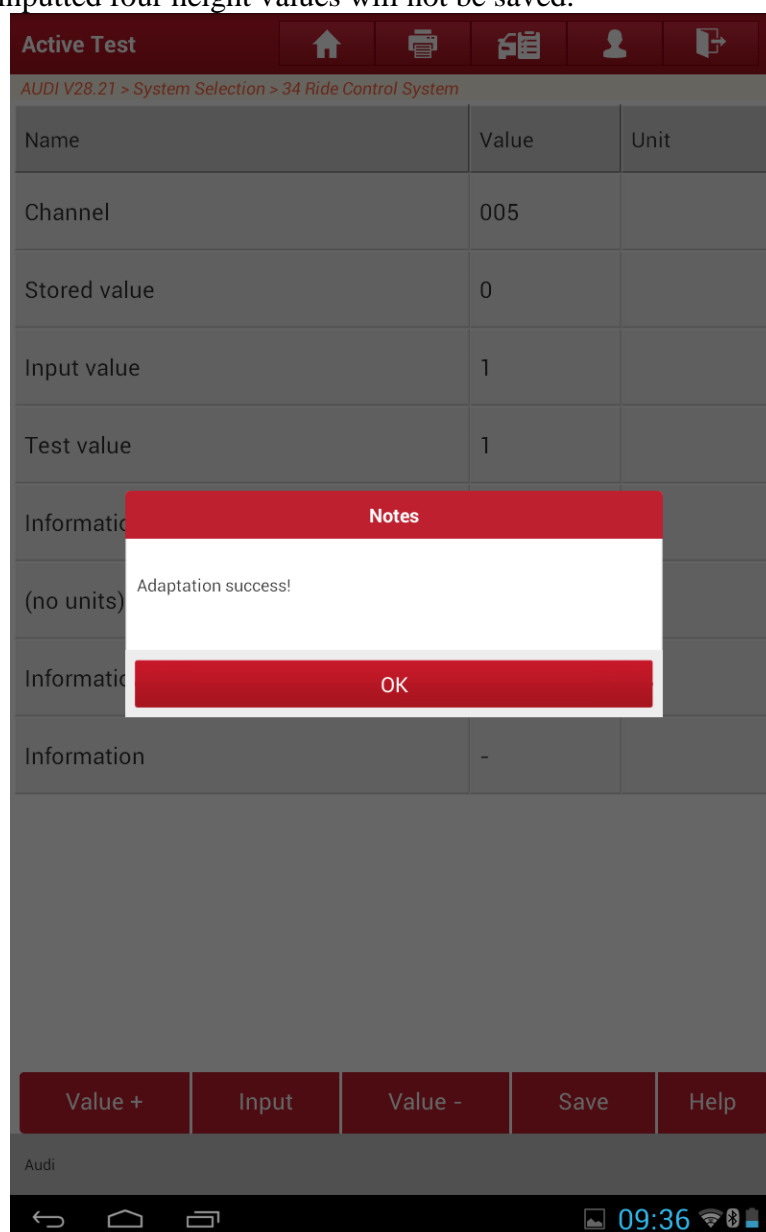


Figure 7

Active Test		
AUDI V28.21 > System Selection > 34 Ride Control System		
Name	Value	Unit
Channel	005	
Stored value	0	
Input value	1	
Initial value	0	
Information	Value	
(no units)	1.00	
Information	Enter	
Information	-	



Figure 8

- 14) After the preceding operations are performed, no DTC exists any longer and the MIL turns off. Matching is successfully completed.

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