

Lower your Cayenne 955/ 957 Air Suspension using a Durametric cable



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What is the purpose of this tutorial?

To lower your Cayenne 955 or 957 without a lowering module or lowering links. This is the same procedure to calibrate a new Techart lowering module- except you have to use the “correct” measurements (do not add anything to the values).

How does this work?

In a nutshell, the air suspension has some degree of adjustability built in by the factory. This is if one of your air shock where sitting too high or too low. There is approx. 1 inch of leeway here. So we will be taking advantage of this by telling the suspension that it is sitting 1 inch (or less) too high, therefore it will compensate by lowering it even more in all modes.

How come my dealer cannot do this?

Your dealer or independent mechanic can do this. Either they do not know how or they declare ignorance since they do not want to be held liable. This is not designed to be a “requested” feature.

How does it ride?

Not much different than if you had a lowering module. Firmer, but still compliant. This a popular mod for the Touareg guys. I ran this way for close to 2 years.

Any downsides?

I am assuming that in the event that you “need” to have one of your air shocks adjusted, they may not have any more room in the adjustability. So you would have to go back to stock height to get it adjusted.

What do I need to get started?

- Durametric cable (any version)
- Durametric USB drivers and latest software version from website
- Laptop (hooked up to your OBD port and Durametric cable)
- Patience and commitment in the event that you have any errors. Schedule for at least 3 hours uninterrupted.

Disclaimer:

I am not responsible for any thing you do to your vehicle, and can not be held liable for any damage you may do by reading this document (or related postings) and applying it to your car.

User is presumed to have a fair level of mechanical or auto electrical skill in doing any DIY. If you are at all uncomfortable or inexperienced working on vehicles, electronics, or mechanical parts, please ask a professional for assistance. The author shall not in any way be held responsible for any damage resulting from user's fault or failure to follow the suggested steps proposed by the author. It's the user's responsibility to research thoroughly on the project and validate the tutorial.

All information posted in this document is provided "as is" without any warranty of any kind, either expressed or implied, including but not limited to fitness for a particular use. Any user assumes the entire risk as to the accuracy and use of this information

- + Panorama Roof
- + Tow Bar
- + Seat Memory Passenger
- + Tailgate
- + Wipers
- + Headlight
- + Headlight
- + Transfer Case

Lets start: Inside the Durametric software, in the left pane, drill down to select "Level Control"

- Level Control

- Identification
- Fault Codes
- Erase Fault Codes
- Actual Values
- Adaptation
- Output Test
- Coding

- + Off Road Stabilizer
- + Tire Pressure
- + Tow Bar



Read coding data successfully



- Engine Module SDI4
- Transmission
- Stability Management - I
- Airbag
- Instrument Cluster
- Steering Wheel
- Alarm
- Electrical System
- Doors and Rear Hatch
- Seat Memory Driver
- Gateway
- Air Conditioning
- Park Assist
- Panorama Roof
- Tow Bar
- Seat Memory Passenge
- Tailgate
- Wipers
- Headlight Left
- Headlight Right
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Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete them entirely for the adaptations to be set. In other words don't just click start to see what it does!

Channel Num

Parameter Results

Select the "Adaptation" tab
from the main window

FL wheel

enter

0000

Current Value 190

New Value

Save new value

Done

Cayenne Level Control Adaptation

Calibrate level control



Warning!

If this process is started and not completed a fault code will be stored and will remain until the calibration has been completed.

Pre-requisites

To calibrate the level control system the vehicle needs to be on a flat and level surface preferably on an alignment machine.

The parking brake should be applied and all doors closed.

Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.

Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."

You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the the bottom of the subframe.

After entering the measured value into the "New Value" box, click the "Save" button.

Click "Up" to change to channel 2, measure the right front height, enter the value and click save.

Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.

Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.

To commit the new adaptation to memory, click "Up" to change to channel 5.

Enter the value of "1" into the "New Value" box and click save.

Click "Done." Calibration is complete. Ccheck for fault codes to make sure calibration was accepted.

| Connected: reading adaptation data



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
- + Alarm
- + Electrical System
- + Doors and Rear Hatch
- + Seat Memory Driver
- + Gateway
- + Air Conditioning
- + Park Assist
- + Panorama Roof
- + Tow Bar
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- + Wipers
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- + Headlight Right
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Channel Number

1

Up

Down

Read

Cayenne Level Control Adaptation

Calibrate level control

Parameter Results

Value

FL wheel

enter

0000

Current Value

190

New Value

Save new value

Done

Select "Read" to get initial stored values.

NOTES

- Make sure you have your vehicle running or you will drain your battery
- Before you begin, make sure you record measurements from all four wheels. I suggest measuring from the ground to the middle of each wheel arch in "Normal" mode
- Your suspension will go up and down while it gets its initial readings
- Do not open your door during this step or it will not be able to complete
- It will take a few minutes before the system is ready.

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle takes 1-2 minutes.

Once the vehicle has gone down and then up to the no

You will need to measure the space in millimeters(m

The measure point is a round hole on the the bottom o

After entering the measured value into the "New Value"

Click "Up" to change to channel 2, measure the right fr

Click "Up" to change to channel 3, measure the left rea

Click "Up" to change to channel 4, measure the right re

To commit the new adaptation to memory, click "Up" to

Enter the value of "1" into the "New Value" box and click

Click "Done." Calibration is complete. Ccheck for fault codes to make sure calibration was accepted.

Connected: reading adaptation data

- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
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- + Headlight Right
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Channel Number

Parameter Results

Current Value

New Value

Cayenne Level Control Adaptation

This confirms which wheel is currently being programmed. This is the "Front , Driver"

To calibrate the level control system the vehicle needs to be machine.
The parking brake should be applied and all doors closed.
Since the air-compressor will be running for an extended period to a suitable battery charger.

Instructions
First choose channel 1 and click "Read".
The first box on the screen will say "Wait." The vehicle will move takes 1-2 minutes.
Once the vehicle has gone down and then up to the normal level. You will need to measure the space in millimeters(mm) between the sub-frames.
The measure point is a round hole on the the bottom of the sub-frames.
After entering the measured value into the "New Value" box, click "Save new value".
Click "Up" to change to channel 2, measure the right front height.
Click "Up" to change to channel 3, measure the left rear height.
Click "Up" to change to channel 4, measure the right rear height.
To commit the new adaptation to memory, click "Up" to change to channel 1.
Enter the value of "1" into the "New Value" box and click save.
Click "Done." Calibration is complete. Ccheck for fault codes to make sure calibration was accepted.

NOTES

- Unlike other programs, pay attention to the greyed-out text

Connected: reading adaptation data



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
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- + Steering Wheel
- + Alarm
- + Electrical System
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Channel Number

Cayenne Level Control Adaptation

Calibrate level control

Parameter Results

Left front height

FL wheel

enter

0000

Current Value

New Value

This is the currently stored value. Write this down for reference.

NOTES

- Record all current values (as you get them) for future reference. There should be 4 total values – 1 for each wheel. You will need this to base your new value off of or in case you need to rollback changes.

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle takes 1-2 minutes.

Once the vehicle has gone down and then up to the no

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Click "Up" to change to channel 4, measure the right re

To commit the new adaptation to memory, click "Up" to

Enter the value of "1" into the "New Value" box and click

Click "Done." Calibration is complete. Ccheck for fault codes to make sure calibration was accepted.

| Connected: reading adaptation data



- Engine Module SDI4
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Channel Number

Left front height
Parameter Results

Current Value

New Value

Cayenne Level Control Adaptation

EXAMPLE: To lower your Cayenne a full inch the "easy" way, add "25" to the "current value" and enter it here. So
 $190 + 25 = 215$ (New Value)

The parking brake should be applied and all doors closed. Since the air-compressor will be running for an extended period of time, please connect the vehicle to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle takes 1-2 minutes.

Once the vehicle has gone down and then up to the normal ride height.

You will need to measure the space in millimeters (mm) between the subframe and the body. The measure point is a round hole on the bottom of the subframe.

After entering the measured value into the "New Value" box, click "Up" to change to channel 2, measure the right front corner.

Click "Up" to change to channel 3, measure the left rear corner.

Click "Up" to change to channel 4, measure the right rear corner.

To commit the new adaptation to memory, click "Up" to change to channel 1. Enter the value of "1" into the "New Value" box and click "Save new value".

Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

NOTES

- These numbers are in millimeters.
- To convert from inches to mm, multiply by 25.4. So 6 ¾ inches, would be 171mm (rounded).
- To lower your Cayenne on this corner, enter a "higher" number. To raise your Cayenne, enter a "lower" number.
- The "easy" way to lower your Cayenne is to add up to 25mm to each of the "current values". Do not try to add more than 25mm or you will get an error.
- The "correct" way is to measure four points on the subframe assembly (will provide images separately). The original values are almost spot on, so I doubt they vary much.

— Connected: reading adaptation data



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
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- + Wipers
- + Headlight Left
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Channel Number

Parameter Results

Current Value

New Value

Press here to save your new value

Cayenne Level Control Adaptation

Calibrate level control



Warning!

If this process is started and not completed a fault code will be stored and will remain until the calibration has been completed.

Pre-requisites

To calibrate the level control system the vehicle needs to be on a flat and level surface preferably on an alignment machine.

The parking brake should be applied and all doors closed.

Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.

Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."

You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the bottom of the subframe.

After entering the measured value into the "New Value" box, click the "Save" button.

Click "Up" to change to channel 2, measure the right front height, enter the value and click save.

Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.

Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.

To commit the new adaptation to memory, click "Up" to change to channel 5.

Enter the value of "1" into the "New Value" box and click save.

Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

— Connected: reading adaptation data



- [-] Engine Module SDI4
- [-] Transmission
- [-] Stability Management - I
- [-] Airbag
- [-] Instrument Cluster
- [-] Steering Wheel
- [-] Alarm
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- [-] Doors and Rear Hatch
- [-] Seat Memory Driver
- [-] Gateway
- [-] Air Conditioning
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- [-] Panorama Roof
- [-] Tow Bar
- [-] Seat Memory Passenger
- [-] Tailgate
- [-] Wipers
- [-] Headlight Left
- [-] Headlight Right
- [-] Transfer Case
- [-] Level Control
 - [-] Identification
 - [-] Fault Codes
 - [-] Erase Fault Codes
 - [-] Actual Values
 - [-] Adaptation
 - [-] Output Test
 - [-] Coding
- [-] Off Road Stabilizer
- [-] Tire Pressure
- [-] Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adapta

In other words do

If it accepts your new value, you will see "learned" here. If not, you will get an error.

Channel Number

Choose next channel

Parameter Results

Value

learned

1000

Current Value

190

New Value

190

New value is being tested/saved

Save new value

Done



Warning!

If this process is started and not completed.

Pre-requisites

To calibrate the level control system the machine.

The parking brake should be applied and Since the air-compressor will be running to a suitable battery charger.

Instructions

First choose channel 1 and click "Read" The first box on the screen will say "Warning" takes 1-2 minutes.

Once the vehicle has gone down and the You will need to measure the space in

The measure point is a round hole on the After entering the measured value into the

Click "Up" to change to channel 2, measure Click "Up" to change to channel 3, measure

Click "Up" to change to channel 4, measure To commit the new adaptation to memory

Enter the value of "1" into the "New Value" box and click save.

Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

NOTES

- If you get an error, you will have to take additional steps to get past it (sigh):
 - Sometimes the height sensors will not register correctly, so you can try to rock the vehicle on that side (supposedly this has worked for some).
 - If you still get the error message. Turn off the vehicle and restart your laptop. Before you start the process again from the beginning, raise your suspension all the way up and all the way down. Now start the process over again.
 - If at any point, you get an "Accumulator charging" warning on your cluster, you have overheated the air compressor. Take a 20 min break, then start again.

\ Connected: waiting to start



- Engine Module SDI4
- Transmission
- Stability Management - I
- Airbag
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Adaptation

Warning Adaptation

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Channel Number

Once your value has been learned, we have to move on to the next wheel.

Choose next channel

Parameter Results

Current Value

New Value

New value is being tested/saved

If this process is started and not completed a fault code will be set. If the process is not completed a fault code will be set.

Pre-requisites

To calibrate the level control system the vehicle needs to be on a level surface. The parking brake should be applied and all doors closed. Since the air-compressor will be running for an extended period of time, it is recommended to connect the vehicle to a suitable battery charger.

Instructions

First choose channel 1 and click "Read". The first box on the screen will say "Wait." The vehicle takes 1-2 minutes. Once the vehicle has gone down and then up to the normal level, you will need to measure the space in millimeters (mm) between the bottom of the wheel arch and the top of the wheel hub. The measure point is a round hole on the bottom of the wheel arch. After entering the measured value into the "New Value" box, click "Up" to change to channel 2, measure the right front wheel. Click "Up" to change to channel 3, measure the left rear wheel. Click "Up" to change to channel 4, measure the right rear wheel. To commit the new adaptation to memory, click "Up" to change to channel 1. Enter the value of "1" into the "New Value" box and click "Save new value". Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

NOTES

- Verify "Current Value" now reflects the value you just entered.

\ Connected: waiting to start



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
- + Alarm
- + Electrical System
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Channel Number

Cayenne Level Control Adaptation

Calibrate level control

Parameter Results

Left front height	Value
FL wheel	
enter	
	0000
Current Value	<input type="text" value="190"/>
New Value	<input type="text"/>

Press "Up" to move on to the next wheel or "channel"

started and not completed a fault code will be stored and will remain until the calibration has been

Pre-requisites

To calibrate the level control system the vehicle needs to be on a flat and level surface preferably on an alignment machine.

The parking brake should be applied and all doors closed.

Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.

Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."

You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the bottom of the subframe.

After entering the measured value into the "New Value" box, click the "Save" button.

Click "Up" to change to channel 2, measure the right front height, enter the value and click save.

Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.

Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.

To commit the new adaptation to memory, click "Up" to change to channel 5.

Enter the value of "1" into the "New Value" box and click save.

Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

| Connected: reading adaptation data



- [-] Engine Module SDI4
- [-] Transmission
- [-] Stability Management - I
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- [-] Tow Bar

Adaptation

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Channel Number

Parameter Results

Current Value

New Value

New value is being tested/saved

We are now ready to program the next wheel "Front, Passenger" or Channel 2.

Value will be stored and will remain until the calibration has been

Pre-requisites

To calibrate the level control system the vehicle needs to be on a flat and level surface preferably on an alignment machine.
The parking brake should be applied and all doors closed.
Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".
The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.
Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."
You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the the bottom of the subframe.
After entering the measured value into the "New Value" box, click the "Save" button.
Click "Up" to change to channel 2, measure the right front height, enter the value and click save.
Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.
Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.
To commit the new adaptation to memory, click "Up" to change to channel 5.
Enter the value of "1" into the "New Value" box and click save.
Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

/ Connected: reading adaptation data



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Channel Number

Cayenne Level Control Adaptation

Calibrate level control

Parameter Results

Right front height

FR wheel

enter

1000

Record the current value, enter the new value, and save as in previous steps

Current Value

New Value

New value is being tested/saved

Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.

Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."

You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the the bottom of the subframe.

After entering the measured value into the "New Value" box, click the "Save" button.

Click "Up" to change to channel 2, measure the right front height, enter the value and click save.

Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.

Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.

To commit the new adaptation to memory, click "Up" to change to channel 5.

Enter the value of "1" into the "New Value" box and click save.

Click "Done." Calibration is complete. Ccheck for fault codes to make sure calibration was accepted.

/ Connected: reading adaptation data



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
- + Alarm
- + Electrical System
- + Doors and Rear Hatch
- + Seat Memory Driver
- + Gateway
- + Air Conditioning
- + Park Assist
- + Panorama Roof
- + Tow Bar
- + Seat Memory Passenger
- + Tailgate
- + Wipers
- + Headlight Left
- + Headlight Right
- + Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- + Off Road Stabilizer
- + Tire Pressure
- + Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adapta

In other words do

If it accepts your new value, you will see "learned" here. If not, you will get an error.

Channel Number

Choose next channel

Parameter Results

Current Value

New Value

New value is being tested/saved

Save new value

Done



Warning!

If this process is started and not completed.

Pre-requisites

To calibrate the level control system the machine.
The parking brake should be applied and
Since the air-compressor will be running to a suitable battery charger.

Instructions

First choose channel 1 and click "Read"
The first box on the screen will say "Warning"
It takes 1-2 minutes.
Once the vehicle has gone down and the
You will need to measure the space in
The measure point is a round hole on the
After entering the measured value into the
Click "Up" to change to channel 2, measure
Click "Up" to change to channel 3, measure
Click "Up" to change to channel 4, measure
To commit the new adaptation to memory
Enter the value of "1" into the "New Value"
Click "Save" and click "Save."
Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

NOTES

- If you get an error, you will have to take additional steps to get past it (sigh):
 - Sometimes the height sensors will not register correctly, so you can try to rock the vehicle on that side (supposedly this has worked for some).
 - If you still get the error message. Turn off the vehicle and restart your laptop. Before you start the process again from the beginning, raise your suspension all the way up and all the way down. Now start the process over again.
 - If at any point, you get an "Accumulator charging" warning on your cluster, you have overheated the air compressor. Take a 20 min break, then start again.

Connected: waiting to start



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
- + Alarm
- + Electrical System
- + Doors and Rear Hatch
- + Seat Memory Driver
- + Gateway
- + Air Conditioning
- + Park Assist
- + Panorama Roof
- + Tow Bar
- + Seat Memory Passage
- + Tailgate
- + Wipers
- + Headlight Left
- + Headlight Right
- + Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- + Off Road Stabilizer
- + Tire Pressure
- + Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete them entirely for the adaptations to be set. In other words don't just click start to see what it does!

Channel Number

Cayenne Level Control Adaptation

Calibrate level control

Choose next channel

Parameter Results

Current Value

New Value

Press "Up" to move on to the next wheel or "channel"

started and not completed a fault code will be stored and will remain until the calibration has been

Pre-requisites

To calibrate the level control system the vehicle needs to be on a flat and level surface preferably on an alignment machine.
The parking brake should be applied and all doors closed.
Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".
The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.
Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."
You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the the bottom of the subframe.
After entering the measured value into the "New Value" box, click the "Save" button.
Click "Up" to change to channel 2, measure the right front height, enter the value and click save.
Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.
Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.
To commit the new adaptation to memory, click "Up" to change to channel 5.
Enter the value of "1" into the "New Value" box and click save.
Click "Done." Calibration is complete. Ccheck for fault codes to make sure calibration was accepted.

New value is being tested/saved

| Connected: waiting to start



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
- + Alarm
- + Electrical System
- + Doors and Rear Hatch
- + Seat Memory Driver
- + Gateway
- + Air Conditioning
- + Park Assist
- + Panorama Roof
- + Tow Bar
- + Seat Memory Passenger
- + Tailgate
- + Wipers
- + Headlight Left
- + Headlight Right
- + Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- + Off Road Stabilizer
- + Tire Pressure
- + Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete them entirely for the adaptations to be set. In other words don't just click start to see what it does!

Channel Number

Parameter Results

Current Value

New Value

We are now ready to program the next wheel "Back, Driver" or Channel 3.

code will be stored and will remain until the calibration has been

Pre-requisites

To calibrate the level control system the vehicle needs to be on a flat and level surface preferably on an alignment machine.

The parking brake should be applied and all doors closed.

Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.

Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."

You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the bottom of the subframe.

After entering the measured value into the "New Value" box, click the "Save" button.

Click "Up" to change to channel 2, measure the right front height, enter the value and click save.

Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.

Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.

To commit the new adaptation to memory, click "Up" to change to channel 5.

Enter the value of "1" into the "New Value" box and click save.

Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

— Connected: reading adaptation data



- Engine Module SDI4
- Transmission
- Stability Management - I
- Airbag
- Instrument Cluster
- Steering Wheel
- Alarm
- Electrical System
- Doors and Rear Hatch
- Seat Memory Driver
- Gateway
- Air Conditioning
- Park Assist
- Panorama Roof
- Tow Bar
- Seat Memory Passenge
- Tailgate
- Wipers
- Headlight Left
- Headlight Right
- Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- Off Road Stabilizer
- Tire Pressure
- Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete them entirely for the adaptations to be set. In other words don't just click start to see what it does!

Channel Number

Cayenne Level Control Adaptation

Calibrate level control

Parameter Results

Left rear height	<input type="text" value=""/>
Value	<input type="text" value=""/>
RL wheel	<input type="text" value=""/>
enter	<input type="text" value=""/>
1100	<input type="text" value=""/>

Record the current value, enter the new value, and save as in previous steps

Current Value

New Value

Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.

Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."

You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the the bottom of the subframe.

After entering the measured value into the "New Value" box, click the "Save" button.

Click "Up" to change to channel 2, measure the right front height, enter the value and click save.

Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.

Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.

To commit the new adaptation to memory, click "Up" to change to channel 5.

Enter the value of "1" into the "New Value" box and click save.

Click "Done." Calibration is complete. Ccheck for fault codes to make sure calibration was accepted.

— Connected: reading adaptation data



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
- + Alarm
- + Electrical System
- + Doors and Rear Hatch
- + Seat Memory Driver
- + Gateway
- + Air Conditioning
- + Park Assist
- + Panorama Roof
- + Tow Bar
- + Seat Memory Passenger
- + Tailgate
- + Wipers
- + Headlight Left
- + Headlight Right
- + Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- + Off Road Stabilizer
- + Tire Pressure
- + Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adapta

In other words do

If it accepts your new value, you will see "learned" here. If not, you will get an error.

Channel Number

Choose next channel

Parameter Results

Value

learned

1110

Current Value

247

New Value

247

New value is being tested/saved

Save new value

Done



Warning!

If this process is started and not completed.

Pre-requisites

To calibrate the level control system the machine.
The parking brake should be applied and
Since the air-compressor will be running to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".
The first box on the screen will say "Warning" and takes 1-2 minutes.
Once the vehicle has gone down and the
You will need to measure the space in
The measure point is a round hole on the
After entering the measured value into the
Click "Up" to change to channel 2, measure
Click "Up" to change to channel 3, measure
Click "Up" to change to channel 4, measure
To commit the new adaptation to memory
Enter the value of "1" into the "New Value" box and click save.
Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

NOTES

- If you get an error, you will have to take additional steps to get past it (sigh):
 - Sometimes the height sensors will not register correctly, so you can try to rock the vehicle on that side (supposedly this has worked for some).
 - If you still get the error message. Turn off the vehicle and restart your laptop. Before you start the process again from the beginning, raise your suspension all the way up and all the way down. Now start the process over again.
 - If at any point, you get an "Accumulator charging" warning on your cluster, you have overheated the air compressor. Take a 20 min break, then start again.

Connected: waiting to start



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
- + Alarm
- + Electrical System
- + Doors and Rear Hatch
- + Seat Memory Driver
- + Gateway
- + Air Conditioning
- + Park Assist
- + Panorama Roof
- + Tow Bar
- + Seat Memory Passenger
- + Tailgate
- + Wipers
- + Headlight Left
- + Headlight Right
- + Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- + Off Road Stabilizer
- + Tire Pressure
- + Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete them entirely for the adaptations to be set. In other words don't just click start to see what it does!

Channel Number

Cayenne Level Control Adaptation

Calibrate level control

Choose next channel

Parameter Results

Current Value

New Value

Press "Up" to move on to the next wheel or "channel"

started and not completed a fault code will be stored and will remain until the calibration has been

Pre-requisites

To calibrate the level control system the vehicle needs to be on a flat and level surface preferably on an alignment machine.
The parking brake should be applied and all doors closed.
Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".
The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.
Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."
You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the bottom of the subframe.
After entering the measured value into the "New Value" box, click the "Save" button.
Click "Up" to change to channel 2, measure the right front height, enter the value and click save.
Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.
Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.
To commit the new adaptation to memory, click "Up" to change to channel 5.
Enter the value of "1" into the "New Value" box and click save.
Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

New value is being tested/saved

| Connected: waiting to start



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
- + Alarm
- + Electrical System
- + Doors and Rear Hatch
- + Seat Memory Driver
- + Gateway
- + Air Conditioning
- + Park Assist
- + Panorama Roof
- + Tow Bar
- + Seat Memory Passenger
- + Tailgate
- + Wipers
- + Headlight Left
- + Headlight Right
- + Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- + Off Road Stabilizer
- + Tire Pressure
- + Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete them entirely for the adaptations to be set. In other words don't just click start to see what it does!

Channel Number

Parameter Results

Current Value

New Value

We are now ready to program the next wheel "Back, Passenger" or Channel 4.

de will be stored and will remain until the calibration has been

Pre-requisites

To calibrate the level control system the vehicle needs to be on a flat and level surface preferably on an alignment machine.
 The parking brake should be applied and all doors closed.
 Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".
 The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.
 Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."
 You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the bottom of the subframe.
 After entering the measured value into the "New Value" box, click the "Save" button.
 Click "Up" to change to channel 2, measure the right front height, enter the value and click save.
 Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.
 Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.
 To commit the new adaptation to memory, click "Up" to change to channel 5.
 Enter the value of "1" into the "New Value" box and click save.
 Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

| Connected: reading adaptation data



- Engine Module SDI4
- Transmission
- Stability Management - I
- Airbag
- Instrument Cluster
- Steering Wheel
- Alarm
- Electrical System
- Doors and Rear Hatch
- Seat Memory Driver
- Gateway
- Air Conditioning
- Park Assist
- Panorama Roof
- Tow Bar
- Seat Memory Passenge
- Tailgate
- Wipers
- Headlight Left
- Headlight Right
- Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- Off Road Stabilizer
- Tire Pressure
- Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete them entirely for the adaptations to be set. In other words don't just click start to see what it does!

Channel Number

Cayenne Level Control Adaptation

Calibrate level control

Parameter Results

Right rear height	<input type="text" value="1110"/>
Value	<input type="text" value="237"/>
RR wheel	<input type="text" value="249"/>
enter	<input type="text" value="1110"/>

Record the current value, enter the new value, and save as in previous steps

Current Value	<input type="text" value="237"/>
New Value	<input type="text" value="249"/>

Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.

Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."

You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the the bottom of the subframe.

After entering the measured value into the "New Value" box, click the "Save" button.

Click "Up" to change to channel 2, measure the right front height, enter the value and click save.

Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.

Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.

To commit the new adaptation to memory, click "Up" to change to channel 5.

Enter the value of "1" into the "New Value" box and click save.

Click "Done." Calibration is complete. Ccheck for fault codes to make sure calibration was accepted.

| Connected: reading adaptation data



- Engine Module SDI4
- Transmission
- Stability Management - I
- Airbag
- Instrument Cluster
- Steering Wheel
- Alarm
- Electrical System
- Doors and Rear Hatch
- Seat Memory Driver
- Gateway
- Air Conditioning
- Park Assist
- Panorama Roof
- Tow Bar
- Seat Memory Passenger
- Tailgate
- Wipers
- Headlight Left
- Headlight Right
- Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- Off Road Stabilizer
- Tire Pressure
- Tow Bar

Adaptation

Warning: In most cases once Adaptation is completed, the vehicle must be driven for 10 minutes. In other words do not drive the vehicle for 10 minutes.

Channel Number

Choose next channel

Parameter Results

Current Value

New Value **New value is being tested/saved**

/ Connected: waiting to start

If it accepts your new value, you will see "learned" here. If not, you will get an error.



Warning!
If this process is started and not completed.

Pre-requisites
To calibrate the level control system the machine.
The parking brake should be applied and the air-compressor will be running to a suitable battery charger.

Instructions
First choose channel 1 and click "Read". The first box on the screen will say "Warning: In most cases once Adaptation is completed, the vehicle must be driven for 10 minutes." It takes 1-2 minutes.
Once the vehicle has gone down and the air compressor has finished, you will need to measure the space in the wheel well. The measure point is a round hole on the top of the wheel well.
After entering the measured value into the "New Value" box, click "Save".
Click "Up" to change to channel 2, measure and click save.
Click "Up" to change to channel 3, measure and click save.
Click "Up" to change to channel 4, measure and click save.
Enter the value of "1" into the "New Value" box and click save.
Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

NOTES

- If you get an error, you will have to take additional steps to get past it (sigh):
 - Sometimes the height sensors will not register correctly, so you can try to rock the vehicle on that side (supposedly this has worked for some).
 - If you still get the error message. Turn off the vehicle and restart your laptop. Before you start the process again from the beginning, raise your suspension all the way up and all the way down. Now start the process over again.
 - If at any point, you get an "Accumulator charging" warning on your cluster, you have overheated the air compressor. Take a 20 min break, then start again.



- [-] Engine Module SDI4
- [-] Transmission
- [-] Stability Management - I
- [-] Airbag
- [-] Instrument Cluster
- [-] Steering Wheel
- [-] Alarm
- [-] Electrical System
- [-] Doors and Rear Hatch
- [-] Seat Memory Driver
- [-] Gateway
- [-] Air Conditioning
- [-] Park Assist
- [-] Panorama Roof
- [-] Tow Bar
- [-] Seat Memory Passenger
- [-] Tailgate
- [-] Wipers
- [-] Headlight Left
- [-] Headlight Right
- [-] Transfer Case
- [-] Level Control
 - [-] Identification
 - [-] Fault Codes
 - [-] Erase Fault Codes
 - [-] Actual Values
 - [-] Adaptation
 - [-] Output Test
 - [-] Coding
- [-] Off Road Stabilizer
- [-] Tire Pressure
- [-] Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete them entirely for the adaptations to be set. In other words don't just click start to see what it does!

Channel Number

Cayenne Level Control Adaptation

Calibrate level control

Choose next channel

Parameter Results

Press "Up" to move on to saving these settings

started and not completed a fault code will be stored and will remain until the calibration has been

Current Value

New Value

New value is being tested/saved

Pre-requisites

To calibrate the level control system the vehicle needs to be on a flat and level surface preferably on an alignment machine.

The parking brake should be applied and all doors closed.

Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.

Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."

You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the the bottom of the subframe.

After entering the measured value into the "New Value" box, click the "Save" button.

Click "Up" to change to channel 2, measure the right front height, enter the value and click save.

Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.

Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.

To commit the new adaptation to memory, click "Up" to change to channel 5.

Enter the value of "1" into the "New Value" box and click save.

Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

/ Connected: waiting to start



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
- + Alarm
- + Electrical System
- + Doors and Rear Hatch
- + Seat Memory Driver
- + Gateway
- + Air Conditioning
- + Park Assist
- + Panorama Roof
- + Tow Bar
- + Seat Memory Passenger
- + Tailgate
- + Wipers
- + Headlight Left
- + Headlight Right
- + Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- + Off Road Stabilizer
- + Tire Pressure
- + Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete the process before you can do anything else!

Channel Number

5

Up
Down

Read

Save changes = 1 / Reset to factory defaults = 0

Parameter Results

Value

1

enter

1111

Current Value

0

New Value

1

Save new value

Done

On Channel 5, you will be able to save changes or go back to factory settings.



Warning!

If this process is started and not completed a fault code will be stored and will remain until the calibration has been completed.

Pre-requisites

To calibrate the level control system the vehicle needs to be on a flat and level surface preferably on an alignment machine. The parking brake should be applied and all doors closed. Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable battery charger.

Instructions

First choose channel 1 and click "Read". The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes. Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel." You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the bottom of the subframe. After entering the measured value into the "New Value" box, click the "Save" button. Click "Up" to change to channel 2, measure the right front height, enter the value and click save. Click "Up" to change to channel 3, measure the left rear height, enter the value and click save. Click "Up" to change to channel 4, measure the right rear height, enter the value and click save. To commit the new adaptation to memory, click "Up" to change to channel 5. Enter the value of "1" into the "New Value" box and click save. Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

\ Connected: reading adaptation data



- [-] Engine Module SDI4
- [-] Transmission
- [-] Stability Management - I
- [-] Airbag
- [-] Instrument Cluster
- [-] Steering Wheel
- [-] Alarm
- [-] Electrical System
- [-] Doors and Rear Hatch
- [-] Seat Memory Driver
- [-] Gateway
- [-] Air Conditioning
- [-] Park Assist
- [-] Panorama Roof
- [-] Tow Bar
- [-] Seat Memory Passenge
- [-] Tailgate
- [-] Wipers
- [-] Headlight Left
- [-] Headlight Right
- [-] Transfer Case
- [-] Level Control
 - [-] Identification
 - [-] Fault Codes
 - [-] Erase Fault Codes
 - [-] Actual Values
 - [-] Adaptation
 - [-] Output Test
 - [-] Coding
- [-] Off Road Stabilizer
- [-] Tire Pressure
- [-] Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete them entirely for the adaptations to be set. In other words don't just click start to see what it does!

Channel Number

Save changes = 1 / Reset to factory defaults = 0

Parameter Results

Current Value

New Value

Cayenne Level Control Adaptation

Calibrate level control



Warning!

If this process is started and not completed a fault code will be stored and will remain until the calibration has been completed.

Enter "1" to save all changes or "0" to reset your changes.

needs to be a on flat and level surface preferably on an alignment

closed.

ended periods of time the car should either be running or connected

Instructions

First choose channel 1 and click "Read".

The first box on the screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This takes 1-2 minutes.

Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."

You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the the bottom of the subframe.

After entering the measured value into the "New Value" box, click the "Save" button.

Click "Up" to change to channel 2, measure the right front height, enter the value and click save.

Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.

Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.

To commit the new adaptation to memory, click "Up" to change to channel 5.

Enter the value of "1" into the "New Value" box and click save.

Click "Done." Calibration is complete. Ccheck for fault codes to make sure calibration was accepted.

\ Connected: reading adaptation data



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
- + Alarm
- + Electrical System
- + Doors and Rear Hatch
- + Seat Memory Driver
- + Gateway
- + Air Conditioning
- + Park Assist
- + Panorama Roof
- + Tow Bar
- + Seat Memory Passenger
- + Tailgate
- + Wipers
- + Headlight Left
- + Headlight Right
- + Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- + Off Road Stabilizer
- + Tire Pressure
- + Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete them entirely for the adaptations to be set. In other words don't just click start to see what it does!

Channel Number

Save changes = 1 / Reset to factory defaults = 0

Parameter Results

Current Value

New Value

Click here save your settings

Cayenne Level Control Adaptation

Calibrate level control



Warning!

If this process is started and not completed a fault code will be stored and will remain until the calibration has been completed.

Pre-requisites

To calibrate the level control system the vehicle needs to be on a flat and level surface preferably on an alignment machine.

The parking brake should be applied and all doors closed.

Since the air-compressor will be running for an extended periods of time the car should either be running or connected to a suitable power charger.

1 and click "Read".

screen will say "Wait." The vehicle will move to the low setting then back to the normal setting. This

Once the vehicle has gone down and then up to the normal level, the first box will show "Left front wheel."

You will need to measure the space in millimeters(mm) between the ground surface and the bottom measure point. The measure point is a round hole on the the bottom of the subframe.

After entering the measured value into the "New Value" box, click the "Save" button.

Click "Up" to change to channel 2, measure the right front height, enter the value and click save.

Click "Up" to change to channel 3, measure the left rear height, enter the value and click save.

Click "Up" to change to channel 4, measure the right rear height, enter the value and click save.

To commit the new adaptation to memory, click "Up" to change to channel 5.

Enter the value of "1" into the "New Value" box and click save.

Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

\ Connected: reading adaptation data



- Engine Module SDI4
- Transmission
- Stability Management - I
- Airbag
- Instrument Cluster
- Steering Wheel
- Alarm
- Electrical System
- Doors and Rear Hatch
- Seat Memory Driver
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- Air Conditioning
- Park Assist
- Panorama Roof
- Tow Bar
- Seat Memory Passenger
- Tailgate
- Wipers
- Headlight Left
- Headlight Right
- Transfer Case
- Level Control
 - Identification
 - Fault Codes
 - Erase Fault Codes
 - Actual Values
 - Adaptation
 - Output Test
 - Coding
- Off Road Stabilizer
- Tire Pressure
- Tow Bar

Adap

Warning: A

Warning: In

Channel Number

Choose next channel

Parameter Results Current Value New Value **New value is being tested/saved**

If successful, you will see "control position" and "learned". The suspension will start to adjust to its new settings. If there is a problem, you will get an error.

Cayenne Level Control Adap

Calibrate level control

**Warning!**

If this process is started and not completed.

Pre-requisites

To calibrate the level control system the machine.
The parking brake should be applied and the vehicle should be on a level surface.
Since the air-compressor will be running to a suitable battery charger.

Instructions

First choose channel 1 and click "Read". The first box on the screen will say "Warning: Accumulator charging" and it will take 1-2 minutes.

Once the vehicle has gone down and the suspension is level, you will need to measure the space in the wheel arch. The measure point is a round hole on the top of the wheel arch. After entering the measured value into the "New Value" box, click "Save". Click "Up" to change to channel 2, measure, click "Up" to change to channel 3, measure, click "Up" to change to channel 4, measure. To commit the new adaptation to memory, enter the value of "1" into the "New Value" box and click "Save".

Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

NOTES

- If you get an error, you will have to take additional steps to get past it (sigh):
 - Sometimes the height sensors will not register correctly, so you can try to rock the vehicle on that side (supposedly this has worked for some).
 - If you still get the error message. Turn off the vehicle and restart your laptop. Before you start the process again from the beginning, raise your suspension all the way up and all the way down. Now start the process over again.
 - If at any point, you get an "Accumulator charging" warning on your cluster, you have overheated the air compressor. Take a 20 min break, then start again.

- Connected: waiting to start



- + Engine Module SDI4
- + Transmission
- + Stability Management - I
- + Airbag
- + Instrument Cluster
- + Steering Wheel
- + Alarm
- + Electrical System
- + Doors and Rear Hatch
- + Seat Memory Driver
- + Gateway
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- + Park Assist
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- + Tire Pressure
- + Tow Bar

Adaptation

Warning Adaptation

Warning: In most cases once Adaptations have been started you must complete them entirely for the adaptations to be set. In other words don't just click start to see what it does!

Channel Number

Choose next channel

Parameter Results

Current Value

New Value **New value is being tested/saved**

Cayenne Level Control Adaptation

Calibrate level control

Warning!
If this process is started and not completed a fault code will be set. The process must be completed.

Pre-requisites
To calibrate the level control system the vehicle needs to be on a level surface. The parking brake should be applied and all doors closed. Since the air compressor will be running for an extended period of time, please ensure the engine is running.

Once the suspension has settled, click here to finish

NOTES

- Go outside and measure all wheels from the ground to the wheel arch. Compare these readings, to the initial ones recorded.
- If you are not happy or if one wheel well is sitting a little different from the rest, start the complete process over again from beginning.
- **Congratulations. You have now lowered your Cayenne with just software in your driveway!**

takes 1-2 minutes.
Once the vehicle has gone down and then up to the normal ride height, you will need to measure the space in millimeters (mm) between the wheel arch and the ground. The measure point is a round hole on the bottom of the wheel arch. After entering the measured value into the "New Value" box, click "Up". Click "Up" to change to channel 2, measure the right front wheel arch. Click "Up" to change to channel 3, measure the left rear wheel arch. Click "Up" to change to channel 4, measure the right rear wheel arch. To commit the new adaptation to memory, click "Up" to change to channel 1. Enter the value of "1" into the "New Value" box and click "Save". Click "Done." Calibration is complete. Check for fault codes to make sure calibration was accepted.

— Connected: waiting to start