



ASSEMBLY INSTRUCTIONS

TECHART Air Suspension Module "Sport"
for Porsche Cayenne with air suspension from MY11

Part-no.: 058.200.280.009

Part-no.: 058.200.281.009

Part-no.: 058.200.282.009

Part-no.: 058.200.283.009

Part-no.: 058.200.285.009





ASSEMBLY INSTRUCTIONS













TECHART Air Suspension Module "Sport"

Contents

I	Important safety information	3
II	Preparation	5
III	Installation	6
1	Prepare vehicle.....	6
2	Remove and install air suspension module.....	7
3	Calibrate vehicle.....	8
4	Perform a test drive	11

I Important safety information











All of the necessary work must be performed by qualified persons with an appropriate level of expertise.

	<p style="text-align: center;">WARNING</p> <p>Vehicle lifts with an insufficient lifting capacity can collapse under the weight of the vehicle and crush any persons standing underneath.</p> <p>Compare the weight of the vehicle with the lifting capacity of your vehicle lift. The weight of the vehicle must not exceed the lifting capacity of your vehicle lift. The weight of the vehicle can be found in the vehicle operating manual.</p>	
	<p style="text-align: center;">WARNING</p> <p>Risk of injury from electric current.</p> <p>Switch off the ignition and disconnect the battery when working on the vehicle electrical/electronics systems.</p>	
 	<p style="text-align: center;">WARNING</p> <p>Hydraulic oil can lead to heavy injuries under pressure squirting out.</p> <p>Poisoning danger by swallowing hydraulic oil.</p> <p>Danger of injury by irritations at contact of hydraulic oil with eyes, mucous membrane and skin.</p> <p>Protective clothing and safety goggles carry. Avoiding contact with eyes, mucous membrane and skin.</p> <p>Not eating, drinking or smoking at dealing with hydraulic oil.</p> <div style="display: flex; justify-content: space-around; align-items: center;">    </div>	  



ASSEMBLY INSTRUCTIONS

TECHART Air Suspension Module "Sport"

 	<p style="text-align: center;"> CAUTION</p> <p>Risk of injury from hands and arms being crushed, cut or lacerated when working with sharp-edged and bulky objects.</p> <p>Wear protective clothing and protective gloves. Keep limbs out of narrow and inaccessible areas of the vehicle and/or avoid dangerous situations by using special tools and suitable aids.</p>	 
	<p style="text-align: center;"> CAUTION</p> <p>Risk of injury to back, muscles, joints, tendons and ligaments from lifting and carrying heavy and/or bulky objects.</p> <p>Lift and transport heavy and/or bulky objects with the help of other people and/or with suitable aids.</p>	
	<p style="text-align: center;">NOTICE</p> <p>Before starting the assembly procedure, carefully read the assembly instructions in full and pay attention to the safety information and sequence of the individual operation steps.</p>	
	<p style="text-align: center;">NOTICE</p> <p>All body parts must be prepared and painted in accordance with the attached painting guide.</p>	



ASSEMBLY INSTRUCTIONS

TECHART Air Suspension Module "Sport"

II Preparation

Help and support

If you have any technical queries, please contact us immediately:
support@techart.de

Check TECHART parts kit for completeness

Quantity	Part number	Part designation
1	058.200.28_.009	TECHART Air Suspension Module "Sport"
Consisting of:		
	058.200.28_.100	Control Unit Air Suspension Module "Sport"

Please use the table to check whether all of the required parts are present.

Once parts have been removed from their original packaging, ensure that they are properly handled and stored.



ASSEMBLY INSTRUCTIONS

TECHART Air Suspension Module "Sport"

III Installation

1 Prepare vehicle

- 1 Adjust vehicle to normal level.
- 2 Before starting work, check that the vehicle is free of defects. Use the PIWIS system tester to read out all of the fault memories of the individual vehicle components and first rectify any faults displayed.



ASSEMBLY INSTRUCTIONS

TECHART Air Suspension Module "Sport"

2 Remove and install air suspension module

- 1 Switch ignition off, remove key.
- 2 Remove trim at right rear of trunk and remove first aid kit.
- 3 Loosen and remove the three fixing nuts, detach the air suspension module from its anchoring and remove the two combination connectors.

i **Disconnect the large combination connector first and then the small one.**

- 4 Insert the large and small combination connectors into the TECHART air suspension module in reverse order.
- 5 Fasten the air suspension module with the three fixing nuts.
- 6 Put first aid kit back in place and reinstall trim.

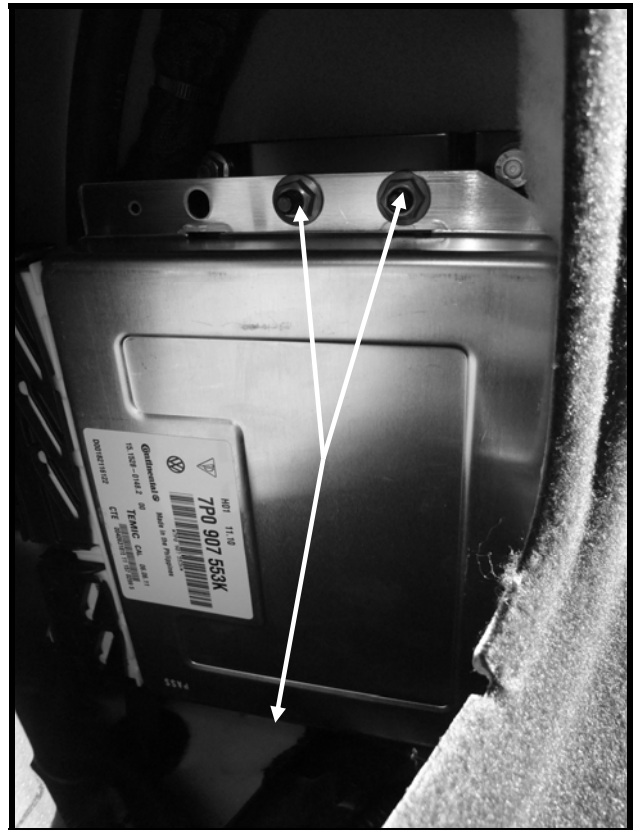


Fig. 01



ASSEMBLY INSTRUCTIONS

TECHART Air Suspension Module "Sport"

3 Calibrate vehicle

i The vehicle must be positioned on a flat surface, ideally on guide plates or on a wheel alignment system.

1 Connect Porsche system tester PIWIS II to diagnostic socket.

2 Switch ignition on and select the vehicle under the menu item

- **Diagnostics**

- **Cayenne**

- **92A from MY 2011**

3 At the overview of the control unit selection click on

- **Level control/PASM** and then

- **proceed with F12**

4 At

- **Coding adaptations**

- perform the **automatic coding**.

After the successful coding

- **proceed with F12**

5 Then perform at

- **Maintenance repairs**

- **Height sensor system component test**

(during the component test the vehicle will be lifted and lowered)

Menu navigated.

6 After the successful component test choose

- **Height sensor system calibration** and

- **proceed with F12**



ASSEMBLY INSTRUCTIONS

TECHART Air Suspension Module "Sport"

7 Now perform for all wheels the height setting, as mentioned below and fill in the measurement table.

i Care for enough fresh air while the engine is running!

i Measurement is performed in measure -X- wheel center to the lower edge of the fender rim, as exemplified in fig. 02!

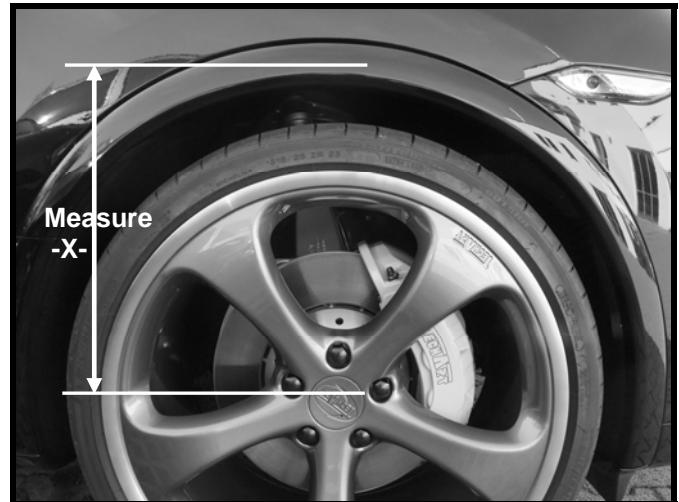


Fig. 02

Measurement table vehicle level in mm:

FL=	FR=
RL=	RR=

i Make sure all doors and the rear flap are closed during the calibration!

8 Enter measured values FL, FR, RL, and RR into the Porsche system tester PIWIS II.

i Important: After entering the height values you have to confirm with the „enter“-Key!!!!

9 Then

- safe these values

- proceed with F12



ASSEMBLY INSTRUCTIONS

TECHART Air Suspension Module "Sport"

Calibration achieved

Height adjustment will be activated and

Service initialization will be finalized.



This process shall not be interrupted, otherwise an error will be filed at the level adjustment!

(fault code 000286 "service mode not completed"

in this case the calibration has to be performed again!)

- 10 After the service initialization is finalized and one of the changed levels is chosen the vehicle will go to the lower level.
- 11 Due to the change in vehicle height, perform chassis alignment and readjust suspension values if necessary. Chassis alignment is performed at the normal level. Use the standard adjustment values from Porsche as a basis.



ASSEMBLY INSTRUCTIONS

TECHART Air Suspension Module "Sport"

4 Perform a test drive

- 1 Using the PIWIS system tester, read out all fault memories of the vehicle and erase/rectify any faults that are displayed.

i The height dimensions specified for checking in the approval certificate are not always reached because vehicles can have different zero positions (normal level) ex-plant due to differences in equipment and model year.



ASSEMBLY INSTRUCTIONS

TECHART Air Suspension Module "Sport"



TECHART AUTOMOBILDESIGN GMBH

RÖNTGENSTRASSE 47
D-71229 LEONBERG / GERMANY
TEL +49 7152 / 9339- 0
FAX +49 7152 / 9339-33
info@techart.de
www.techart.de

Änderungen und Irrtümer vorbehalten.
Subject to change at any time without prior notice.
Copyright 2015 by **TECHART** Automobildesign GmbH

Artikel-Nr./Part No. 058.200.280.099