

## ASSEMBLY INSTRUCTIONS

### TECHART Power-Kit for 992

Part-no. 092.300.450.009	for 992 Carrera C/C4
Part-no. 092.300.520.009	for 992 Carrera S/4S
Part-no. 092.300.530.009	for 992 Carrera S/4S w/o gasoline particle filter
Part-no. 092.300.560.009	for 992 Carrera GTS
Part-no. 092.300.710.009	for 992 Turbo S



Version 13– 09/2022

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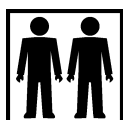
**I Important safety information**

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

	<div data-bbox="659 562 962 620" data-label="Section-Header"><b>WARNING</b></div> <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>	
	<div data-bbox="659 891 962 949" data-label="Section-Header"><b>WARNING</b></div> <p>Risk of injury from electric current.</p> <p>Switch off the ignition and disconnect the battery when working on the vehicle electrical/electronic systems.</p>	
 	<div data-bbox="659 1160 962 1218" data-label="Section-Header"><b>CAUTION</b></div> <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>	
	<div data-bbox="659 1494 962 1552" data-label="Section-Header"><b>CAUTION</b></div> <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>	
	<div data-bbox="308 1800 590 1854" data-label="Section-Header"><b>NOTICE</b></div> <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>	

## II Preparation

### Number of people required



At least two people are required to install this product.

### 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	092.300.450.009	Techtronic 992 Carrera C/C4
1	092.300.520.009	Techtronic 992 Carrera S/S4S with GPF
1	092.300.530.009	Techtronic 992 Carrera S/S4 w/o GPF
1	092.300.560.009	Techtronic 992 Carrera GTS with GPF
1	092.300.710.009	Techtronic 992 Turbo S T1.1
Consisting of:		
1	000.300.010.105	Techtronic auxiliary control unit ET6
1	092.300.100.200	Cable set Techtronic
1	000.590.501.101	Clip
1	000.300.102.OKT	Octane 100 decal

1. Plug & Play-wiring harness
2. CAN-wiring harness
3. Bracket
4. Octane decal
5. Cable ties
6. Techtronic module



Fig. 01

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.

### **III Installation**

#### **1. Prepare vehicle**



**Before starting to 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.**

**Please read the assembly instructions thoroughly and observe the specified procedure and instructions. Due to the technical complexity we recommend to let this installation to be carried out solely by an authorized partner. We can only grant guarantee if the installation has been done correctly.**

**In respect to the driving safety, one should inform the customer that the vehicle is equipped with a Techtronic KIT.**

## 2. Dismantle original parts

1. Raise vehicle at the factory-fitted jacking points.
2. Dismantle the rear spoiler profile.
3. At the Cabriolet: bring the top into service position.
4. Set the electrical seats all the to the front.
5. Disconnect the battery.
6. Detach the rear spoiler.
7. Dismantle rear apron.
8. Dismantle the DME control unit. For this release all plugs of the control unit, remove the screws and loosen the cable ties.



Fig. 02



### 3. Install TECHART Plug & Play wiring harness

1. Install the wiring harness beginning with *“pressure before throttle valve”*. For this release and remove the plug. Connect this plug with the TECHART wiring harness (plug *„pressure before throttle valve”*). Connect the plug of the TECHART wiring harness with the sensor.

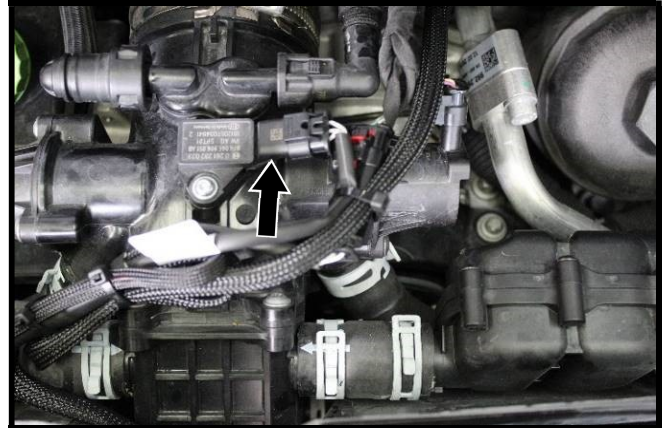


Fig. 03

2. Route the wiring harness with the plug *“rail pressure right”* (fig. 04) and *“suction pipe pressure”* (fig. 05) to the right and connect with the according sensors.



**Attention: Please pay attention to the correct plug!**



Fig. 04

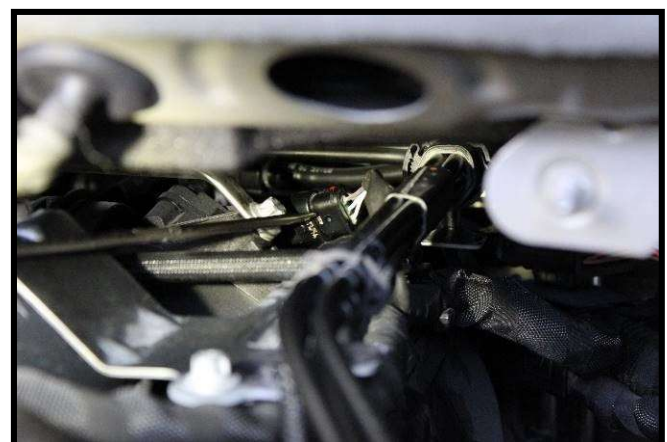


Fig. 05

3. Lay the other part of the wiring harness with the CAN plug and “*rail pressure left*” to the left. Connect the rail pressure sensor (fig. 06)
4. The locking of the plugs of the original wiring harness, if any, must all be locked after plugging them together.



Fig. 06



#### 4. TECHART CAN wiring harness

##### Only Coupé

1. Remove the rear panels in the interior.

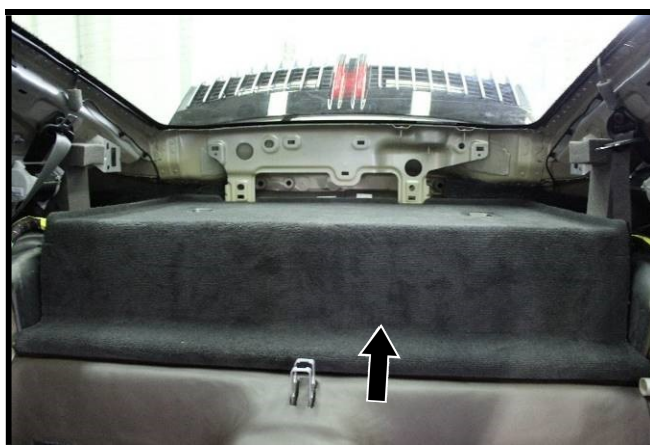


Fig. 07

2. Feed a thread help from the left side of the interior through the cable sleeve to the engine compartment and install the CAN-cable there.



Fig. 08

3. Attention: please note the following chart can be used on several TECHART products!

	Carrera	Turbo (S), all Cabriolets and Targas	Techtronic	Rear spoiler	Exhaust flap
CAN HIGH	Pin 3	Pin 1	blue	green	orange/black
CAN LOW	Pin 4	Pin 2	red	brown	orange/brown

Please continue reading these instructions and use the chart above for your support. All required connections can be made by unpinning and pinning in (no cable disconnection and no soldering necessary).

4. Remove the right plug of the control unit. Fig. 09 shows Carrera control unit.



Fig. 09

5. Fig. 10: Turbo, Turbo S, all Cabriolets and Targas control unit.



Fig. 10

6. Loosen the interlock.

7. Connect the CAN-wiring harness. For that unpin Pin 3 (Carrera) or Pin 1 (Turbo & Turbo S) from the plug and insert the blue cable of the TECHART wiring harness.
8. Insert the unpinned cable into the supplied plug of position PIN 1.
9. Unpin PIN 4 (Carrera) or Pin 2 (Turbo & Turbo S) as well and insert the red cable of the TECHART wiring harness into the free pin shaft.
10. Then insert the unpinned cable into the supplied plug of position PIN 2.

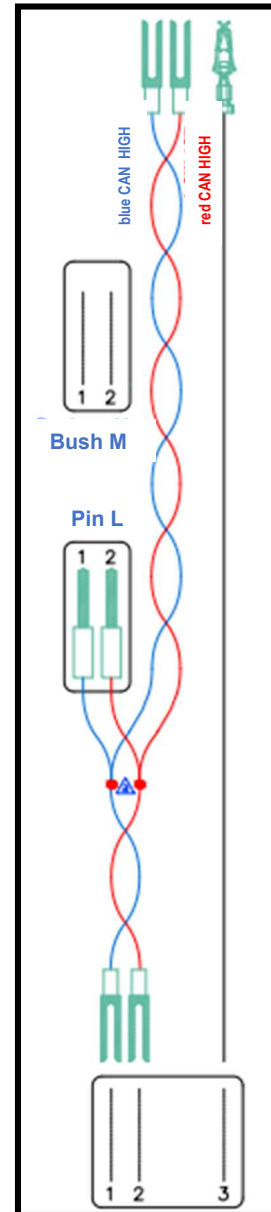


Fig. 11

11. Insert the black cable of the TECHART wiring harness into one free space of the fuse carrier with "battery plus+" (not ignition plus+) and insert the supplied fuse.
12. In case there is no free fuse shaft then please use the supplied fuse with tap. In this case connect the red cable of the fuse with black one.
13. Then remove one 30A fuse (battery plus+) and replace by the one from TECHART.
14. Please note that the tap is on the side which needs to be supplied.
15. This is to make sure that the red cable has zero-potential when the fuse is activated.



Abb. 12

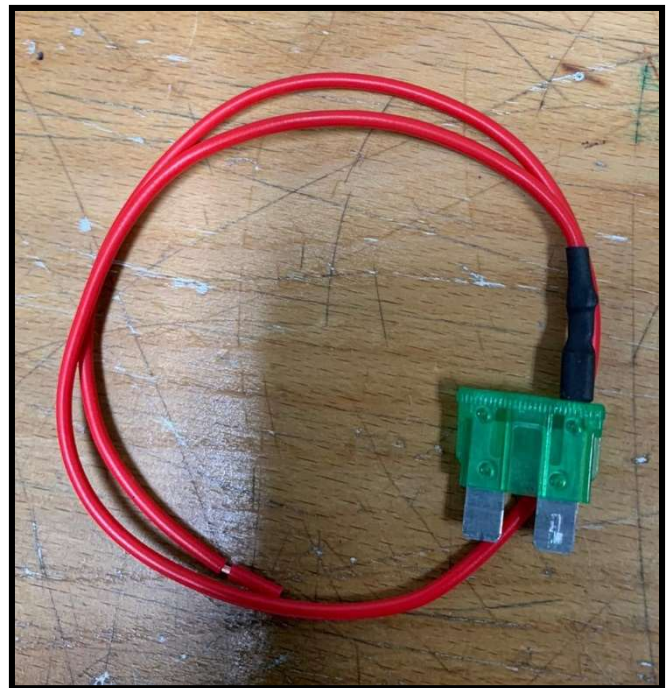


Abb. 13



**Only Cabrio/convertible**

1. Then unhinge the steel rope of the interlock for the window.
2. For dismantling the panel open the cover with a wedge, then remove the screws underneath.



Fig. 14



Fig. 15

3. Now unhinge the carpet.



Fig. 16

4. Fold both rear seats and remove the panel on the back.

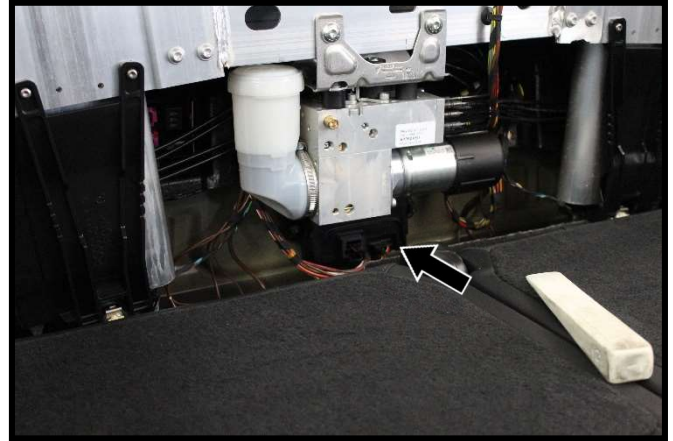


Fig. 17

5. Pull the Can-wiring harness from the right engine compartment side to the convertible-top compartment.



Fig. 18

6. Remove the right plug of the control unit.



Fig. 19

7. For Turbo, Turbo S, all Cabriolets and Targa control units.



Fig. 20

8. Loosen the interlock.
9. Attention: please note the following chart can be used on several TECHART products!

	Carrera	Turbo (S), all Cabriolets and Targas	Techtronic	Rear spoiler	Exhaust flap
CAN HIGH	Pin 3	Pin 1	blue	green	orange/black
CAN LOW	Pin 4	Pin 2	rot	brown	orange/brown

Please continue reading these instructions and use the chart above for your support.

All required connections can be made by unpinning and pinning in (no cable disconnection and no soldering necessary).



8. Connect the CAN-wiring harness. For that unpin Pin 3 (Carrera) or Pin 1 (Turbo & Turbo S) from the plug and insert the blue cable of the TECHART wiring harness.
9. Insert the unpinned cable into the supplied plug of position PIN 1.
10. Unpin PIN 4 (Carrera) or Pin 2 (Turbo & Turbo S) as well and insert the red cable of the TECHART wiring harness into the free pin shaft.
11. Then insert the unpinned cable into the supplied plug of position PIN 2.

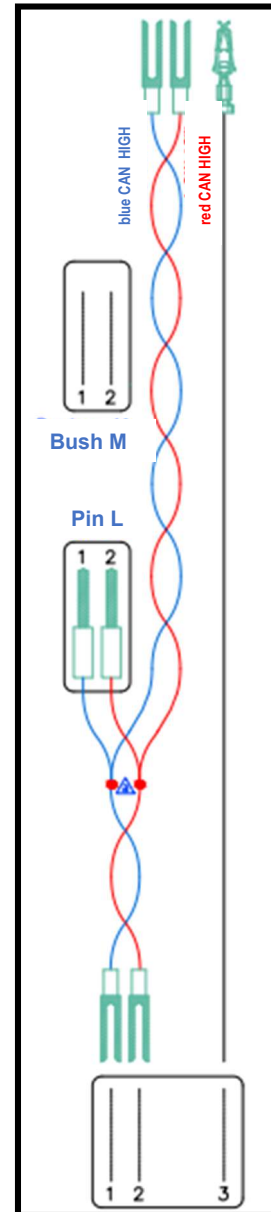


Fig. 21

12. Insert the black cable of the TECHART wiring harness into one free space of the fuse carrier with "battery plus+" (not ignition plus+) and insert the supplied fuse.
13. In case there is no free fuse shaft then please use the supplied fuse with tap. In this case connect the red cable of the fuse with black one.
14. Then remove the one 30A fuse (battery plus+) and replace by the one from TECHART.
15. Please note that the tap is on the side which needs to be supplied.
16. This is to make sure that the red cable has zero-potential when the fuse is activated.



Fig. 22

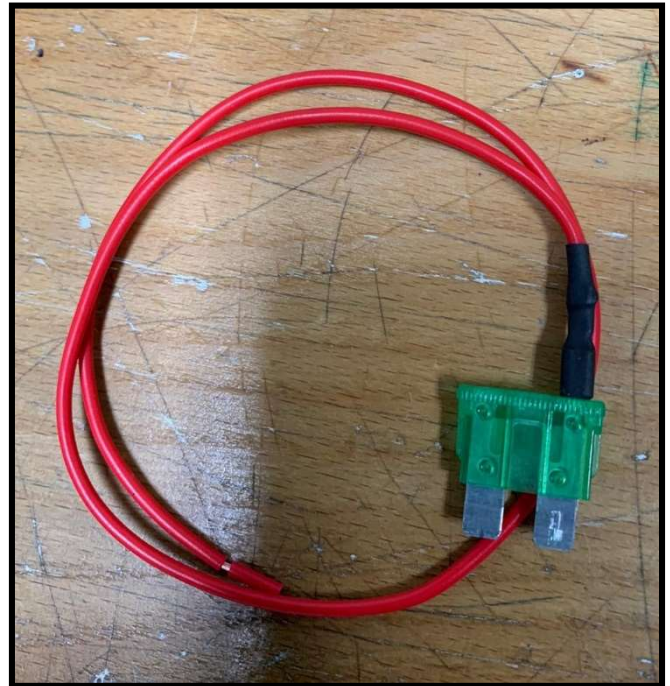


Fig. 23

**Both vehicle types**

1. Lock the plug again and connect with the control unit.
2. Install the supplied 3-pole plug at the cable ending at the engine compartment in such way that the colors match.
3. Connect the 3-pole plug with the Techtronic-wiring harness. Pay attention that the interlock snaps in correctly.
4. Fasten the Techtronic with the attached bracket, as shown on the picture. Fix the wiring harness carefully with cable ties.

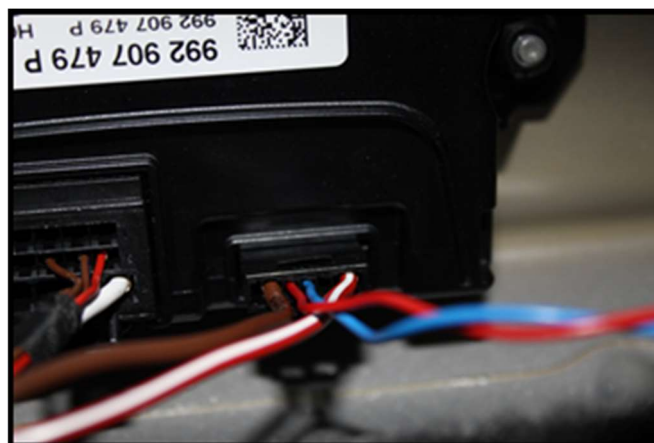


Fig. 24

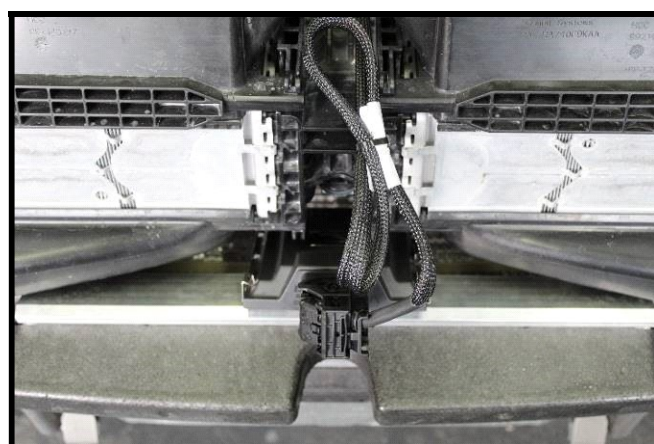


Fig. 25



Fig. 26

5. Reinstall the DME-control unit. Pay attention that the cable fixation will snap in.



Don't forget the ground cable of the TECHART wiring harness when tightening the engine control unit!



Fig. 27

6. Reconnect the battery, read out the fault memories and if necessary, rectify the faults displayed. After this complete the vehicle.
7. Check, if all components are carefully built in and if they are reliably fastened.
8. Turn ignition on.

9. Depending on the color of the LEDs different operating conditions are shown:  
LED red: Ignition is off or the signals are not recognized completely.  
LED green: all signals are recognized, tuning is inactive  
LED blue: engine is warm, Sport mode is recognized, tuning is active.

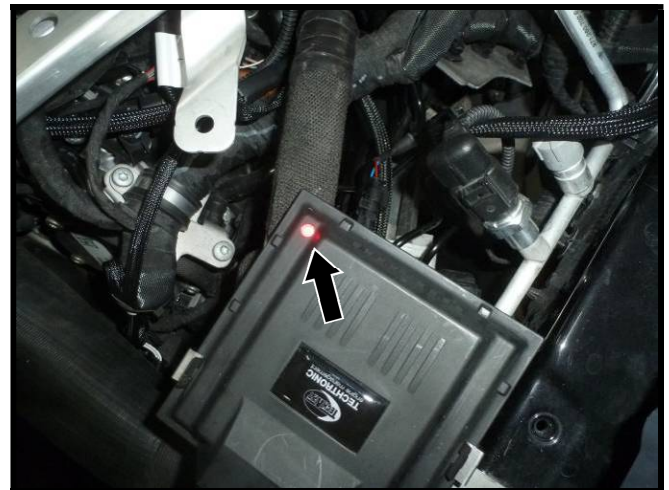


Fig. 28

10. Recalibrate the rear spoiler and read out the fault memories again and, if necessary, rectify the faults displayed.
11. Perform a test drive and check the vehicle for any faults again.



**The LED status “blue” will be reached after a short drive with permanent engine running.**

**IV. Troubleshooting:**

**For errors after installation:**

- 1. Check the installed components using the parts list. The part number may have been replaced by a subsequent item with a "-01" at the end or higher, but e.g. the 092.300.xxx.xxx must be identical.**
- 2. Measure whether you have chosen the correct power supply. Battery positive must be live after the ignition has been switched off and all displays have been off for at least 10 minutes and no one has pressed a button, door or flap or the key has been pressed or moved.**
- 3. Check the correct CAN bus connection using the table, e.g. Techtronic and flap control:  
Pin 1 to blue to green to orange/black  
or  
Pin 1 to orange/black to green to blue....  
All required connections can be made by unplugging and plugging in (no cable cutting and no soldering necessary).**
- 4. Check that the LED on the Techtronic starts to light up as soon as you press the key (if not, the ignition plus may have been connected instead of the battery).**





Fig. 29

- i** The power increase is activated via the travel mode-switch at the steering wheel. If the sport-/sport plus mode is not chosen or the sport response button at the normal mode was not pressed then the engine will run with the standard power.
- i** Please consider that the power values of the Techtronic power increase will only be reached with an activated sport mode, operating temperature and a fuel quality of 100 octane.

If these requirements are complied then the power increase will be activated progressively.

TECHART

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