



# ASSEMBLY INSTRUCTIONS

## TECHART Power-Kit TA 082 / S1

for 718 Boxster S

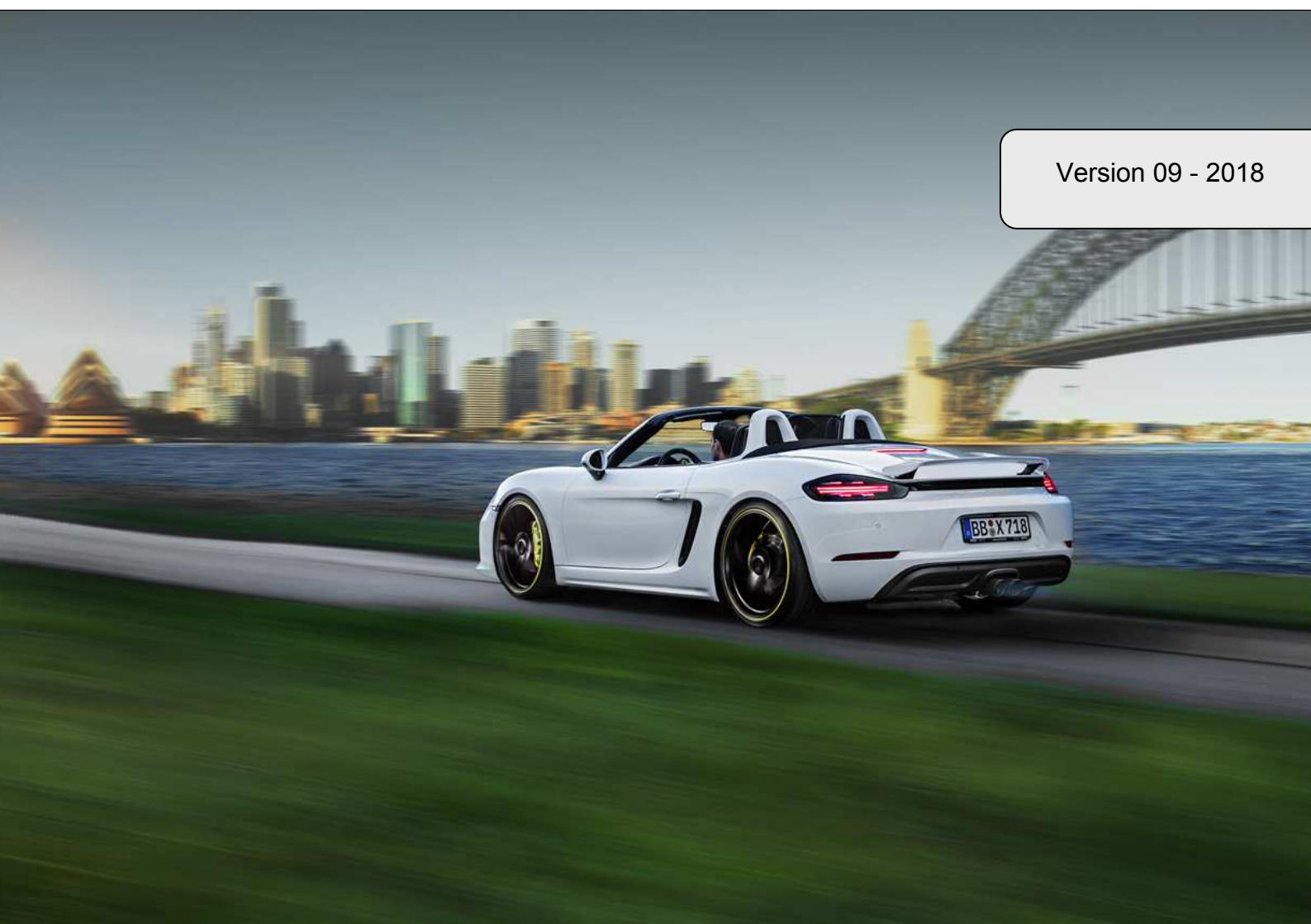
Part-No. 082.300.400.009

Power-kit 082 / S1

Part-No. 082.300.415.009

Power-kit 082 / S1.1

Version 09 - 2018





# ASSEMBLY INSTRUCTIONS















## TECHART Power-Kit for 718 Boxster S

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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="651 568 954 629" data-label="Section-Header"> <h4> WARNING</h4> </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="651 898 954 958" data-label="Section-Header"> <h4> WARNING</h4> </div> <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>	
 	<div data-bbox="651 1169 954 1229" data-label="Section-Header"> <h4> CAUTION</h4> </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="651 1503 954 1563" data-label="Section-Header"> <h4> CAUTION</h4> </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="296 1805 582 1865" data-label="Section-Header"> <h4>NOTICE</h4> </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>	



# ASSEMBLY INSTRUCTIONS

## TECHART Power-Kit for 718 Boxster S

### II Preparation

#### Number of people required



For the installation of this product at least two persons are needed.

#### 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	082.300.400.009	Techtronic for 718 Boxster S
Consisting of:		
1	000.300.010.102	Techtronic control unit
1	B95300100200-01	Wiring set Techtronic
1	000.300.102.OKT	Octane 100 sticker

1	082.300.415.009	Techtronic for 718 Boxster GTS
Consisting of:		
1	000.300.010.102	Techtronic control unit
1	B95300100200-01	Wiring set Techtronic
1	000.300.102.OKT	Octane 100 sticker



# ASSEMBLY INSTRUCTIONS

## TECHART Power-Kit for 718 Boxster S

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.

1. Pin-wiring harness
2. 8-pole plug and single conductor seals
3. Bracket
4. Adhesive tape
5. Cable ties
6. Techtronic module

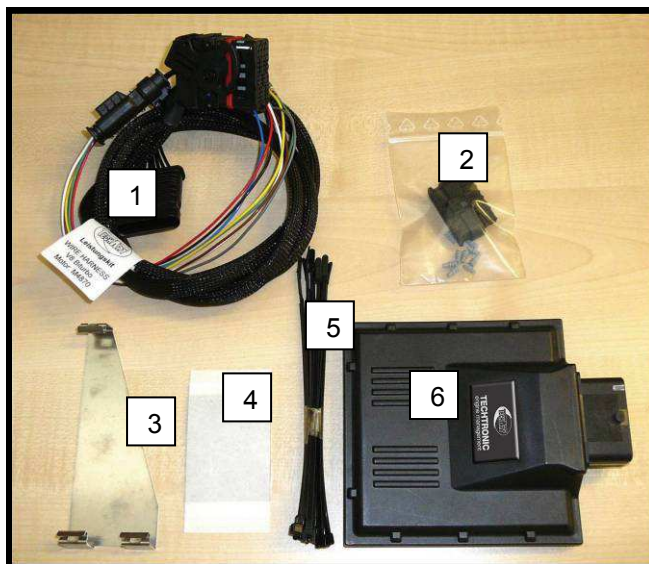


Fig. 01



# **ASSEMBLY INSTRUCTIONS**

## **TECHART Power-Kit for 718 Boxster S**

### **III Installation**

#### **1 Prepare Vehicle**

- i** 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.

The Techtronic KIT is equipped with a pin-wiring harness; please install it according to the assembly instructions.

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 Disconnect the battery.
- 2 Remove the panels and carpets in the rear trunk.



Fig. 02



### 3 Install TECHART Parts

#### 3.1 Install TECHART Techtronic

1. Route the pin-cable set inside the vehicle (see Fig. 03)

**i** The Techtronic module will be installed below the styrofoam cover in the trunk right. The Techtronic wiring harness will be pinned in right at the engine control unit. The connection set-up is shown on the given chart of this assembly instruction.

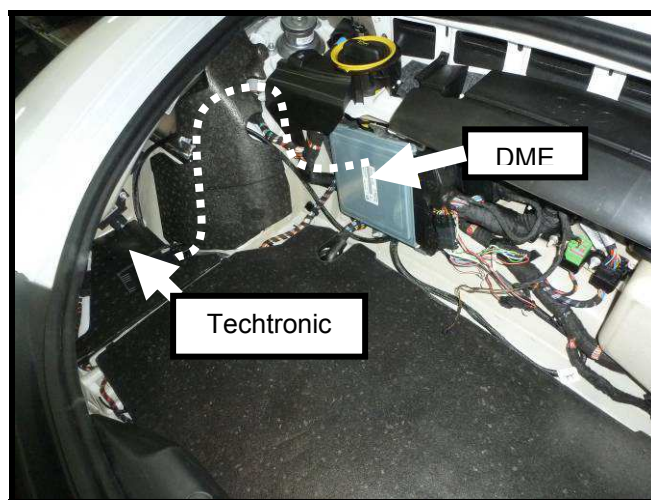


Fig. 03

2. Prepare the wiring harness of the vehicle.

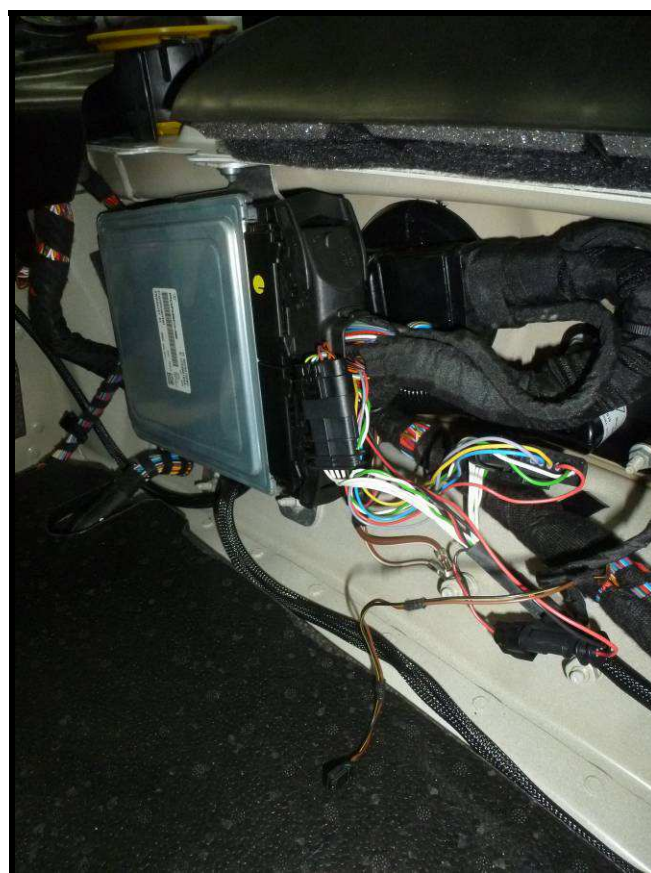


Fig. 04



3. Unlatch the caps with a screwdriver.



Fig. 05

4. Remove the interlock of the pin carrier.

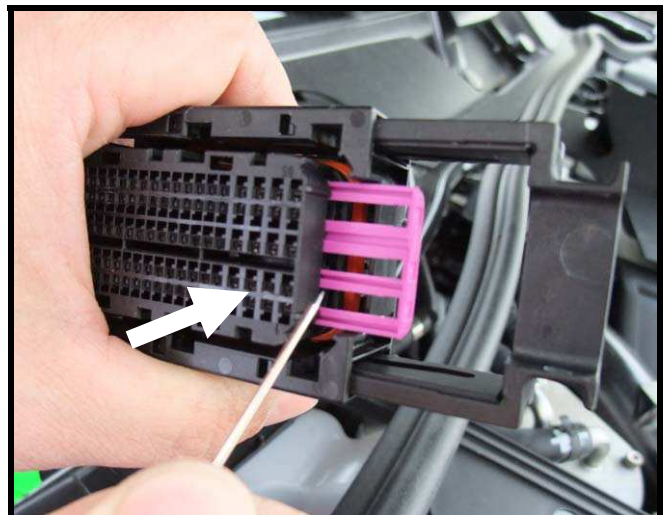


Fig. 06

5. The pins can now be pushed out of the plug housing therefore unpin the interlock of the pins with suitable unlocking device.

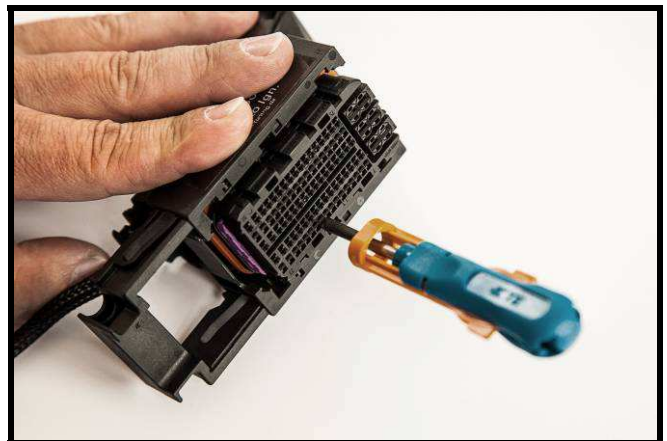


Fig. 07



TECHART recommends the unlocking device 000.919.815.790.084.1

6. Mount the pin wiring harness as shown on the diagram and the connecting chart.

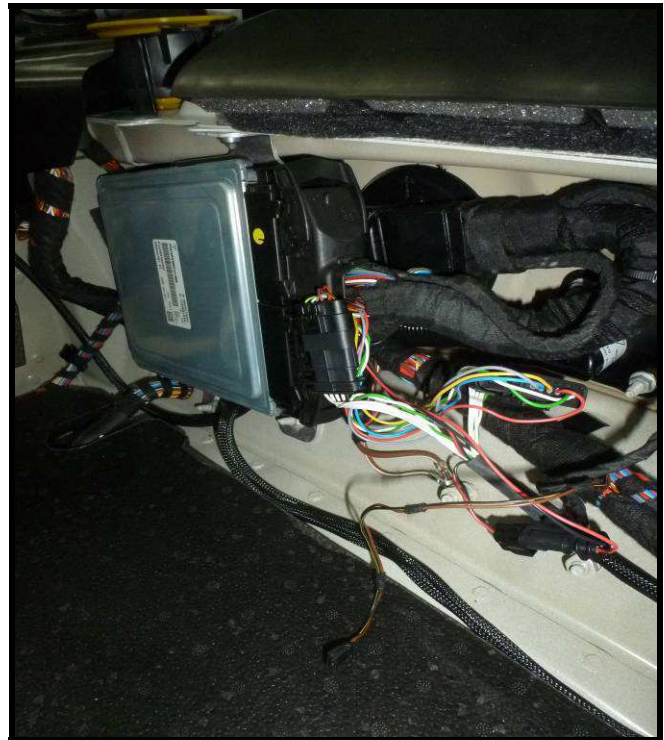


Fig. 08

- i** The compact plug of the pin wiring harness is equipped with a control locking device (see arrow). This can only be locked once the plug is completely snapped in to place. Make sure that the control locking device is not locked and therefore overlaps (left picture). Then insert the plug (middle picture) and finally lock the control locking device towards the direction of the arrow shown (right picture). The locking has now to be flush with the plug housing.

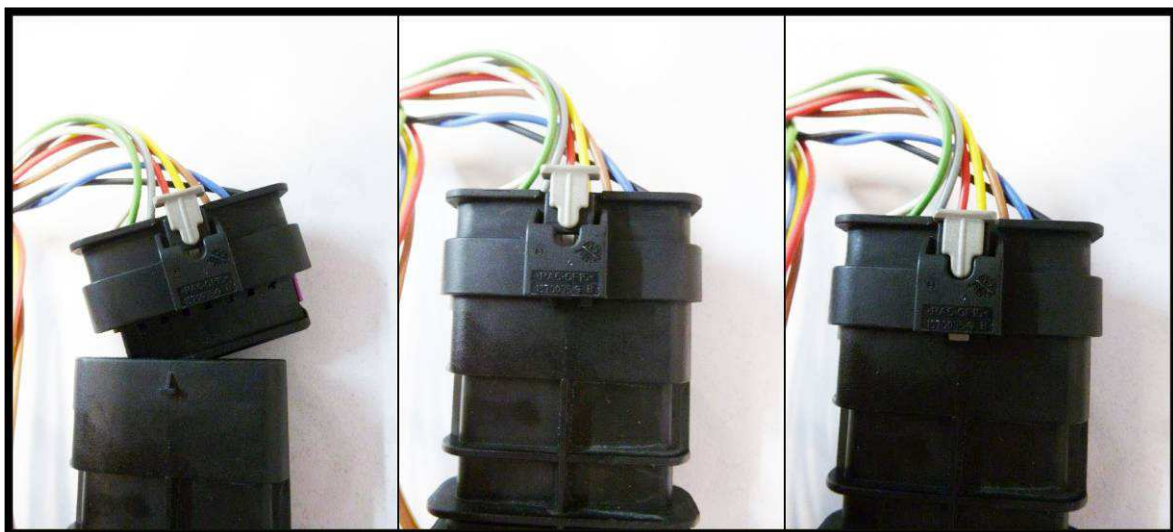


Fig. 09



# ASSEMBLY INSTRUCTIONS

## TECHART Power-Kit for 718 Boxster S

There are 2 plugs at the engine control unit.  
The plug housings are 91 and 105 pole plugs.  
In both plugs are 2 connector strips each.  
8 Pins have to be unpinned as follows:

Chart plug-built-up:

		Color Connector strip	Engine cable loom PIN-Number
Plug "B"	91-pole	(A)	No change
		(B)	<b>PIN 21,86,79,80</b>
Plug "A"	105-pole	(A)	No change
		(B)	<b>PIN 35, 78, 79, 81</b>



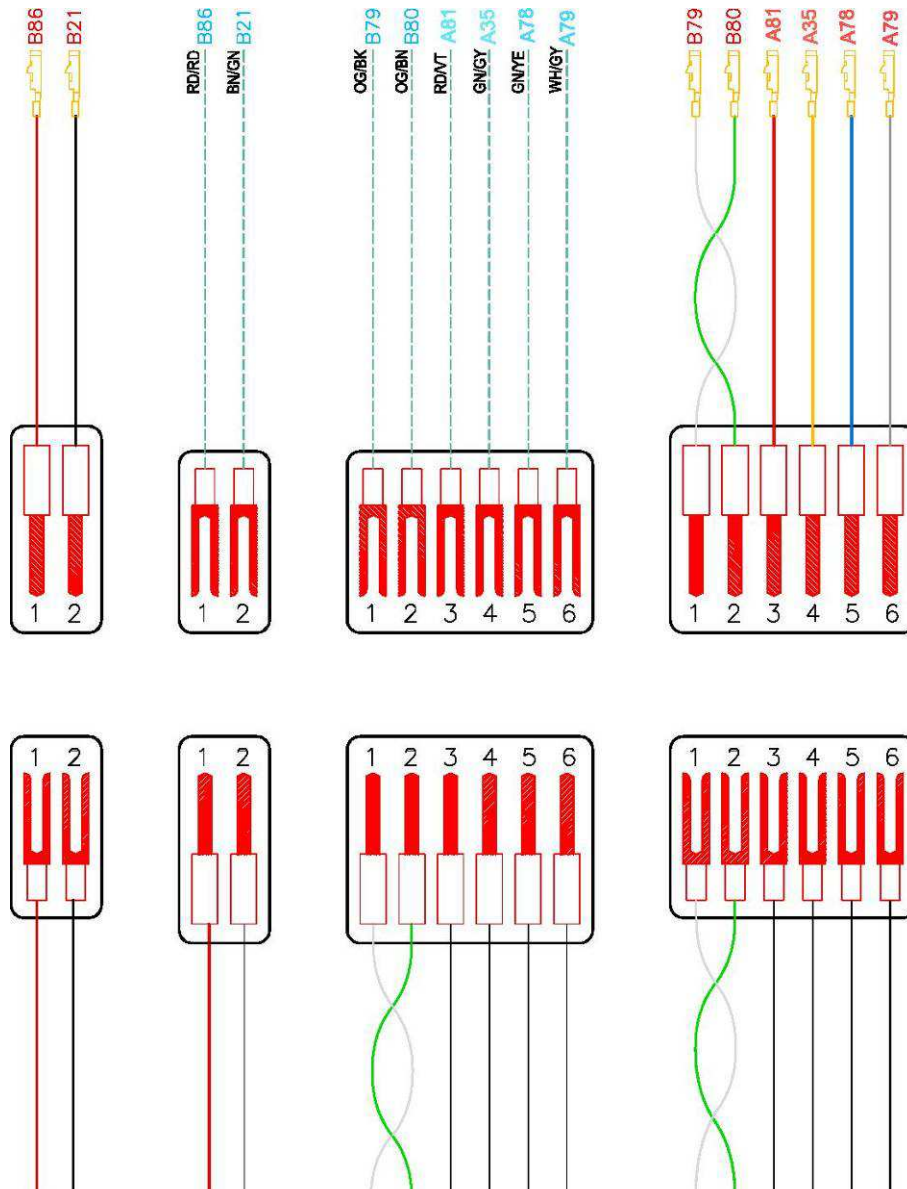
To avoid connection errors, work in correct order.  
Connect one connection after the other.

Example:

Unpin line Pin21 (BK/BK) as per description, Mount single conductor seal and mount it in position 2 at the 2pole plug.

Afterwards mount the black line 2 from the coupling at the pin wiring harness into position Pin21 of the vehicle wiring harness.

Caution: The cable colors can vary. In this case please note the numbering!



**Attention! Mount single conductor seal before pinning-in**

Fig. 10

**Chart of the cable colors:**

BK	black	RD	red
BN	brown	VT	violet
GN	green	WH	white
GY	gray	YE	yellow
OG	orange		



7. The Techtronic module will be mounted with the supplied bracket to the bode below the Styrofoam cover.



Fig. 11

8. Remove the foil from the adhesive tape and press it firmly onto the previously cleaned surface. Then fix the cable loom stress-free with cable ties. Care for sufficient clearance to chafe marks.
9. Cut the Styrofoam cover with a suitable cutter knife so that the Techtronic has enough space below it.
10. Route the pin wiring harness as shown and fix it with the supplied cable ties.
11. Please check then if all components are carefully installed and reliably fastened. Install all dismantled parts.
12. Affix the 100 octane sticker inside the gas cap.



Fig. 12



# ASSEMBLY INSTRUCTIONS

## TECHART Power-Kit for 718 Boxster S

13. Position of the 100 octane sticker inside the gas cap.



Fig. 13

14. Reinstall the carpet cover as well as the panels of the trunk.
15. Perform a test drive.



Fig. 14

- i** The activation of the power increase will be effected by the travel mode-switch at the steering wheel. If the sport-/sport plus-mode is not chosen or the Sport response switch in normal mode is not pressed then the engine will run with the standard power.

**Travel mode 0:** The engine will run with standard power.

**Travel mode S; "Mode Sport" is displayed at the combination instrument:** The engine will run with the TECHART power-kit as soon as it reaches operating temperature.

**Travel mode S+; "Mode Sport Plus" is displayed at the combination instrument:** The engine will run with the TECHART power-kit as soon as it reaches operating temperature.

**Sport Response Switch; "Sport Response" is displayed at the combination instrument:** The engine will run with the TECHART power-kit for 20 seconds.

- i** The TECHART power-kit can be activated for the customized mode at personalized travel mode by choosing the parameter Sport, or Sport Plus.





# **ASSEMBLY INSTRUCTIONS**

## **TECHART Power-Kit for 718 Boxster S**

- i** Please consider that the Techtronic power increase will only be reached with an activated sport mode (sport switch or sport plus switch), operating temperature and a fuel quality of 100 octanes.

The Techtronic wiring harness is configured that the Techtronic module can be looped-in the original wiring harness. If necessary the Techtronic module can be deactivated, by connecting both compact plugs coming from the engine and going to the engine control unit. The Techtronic module will then not be looped-in anymore and is therefore deactivated. This procedure can be done after the installation of the Techtronic wiring harness as a test to check whether all pins are placed correctly. In case the PIWIS II shows a fault memory then the error will be at the pinning which needs to be rectified. Afterwards loop-in the Techtronic module and recheck the DFI for any faults displayed.



# ASSEMBLY INSTRUCTIONS

**TECHART Power-Kit for 718 Boxster S**



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