

ASSEMBLY INSTRUCTIONS

TECHART Exhaust System

Part-no. 092.310.500.009 Valve exhaust system “Sport”, “Titanium” for 992 Carrera

Version 03 – 04/2022



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I Important safety information

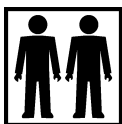
All of the necessary work must be performed by qualified persons with an appropriate level of expertise.

	<div data-bbox="655 562 959 618" data-label="Section-Header">  WARNING </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="655 857 959 913" data-label="Section-Header">  WARNING </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="655 1104 959 1160" data-label="Section-Header">  WARNING </div> <p>Risk of fire and explosion igniting window cleaner and antifreeze agents and their vapors.</p> <p>Risk of poisoning by swallowing window cleaner and antifreeze agents and inhaling their vapors.</p> <p>Risk of injury due to irritation when window cleaner and anti-freeze agents come into contact with the eyes, mucous membrane and skin.</p> <p>Wear protective clothing and goggles. Keep open light, fire and sources of ignition away. Avoid contact with eyes, mucous membrane and skin. Do not eat, drink or smoke when handling window cleaner and anti-freeze agents. Do not inhale vapors, provide adequate ventilation. Only store the window cleaner and antifreeze agents in tightly closed original containers.</p>	  
	  	

 	<div data-bbox="655 376 956 434" style="text-align: center;"> CAUTION</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="655 698 956 757" style="text-align: center;"> CAUTION</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="304 981 590 1039" style="text-align: center;">NOTICE</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>	
	<div data-bbox="304 1164 590 1223" style="text-align: center;">NOTICE</div> <p>Prepare and paint all body components according to the supplied painting instructions.</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 name
1	092.310.500.009	Valve exhaust system "Sport"
Consisting of:		
1	092.310.500.100	Exhaust system "sport" valve controlled
2	092.310.500.200	Electrical exhaust flap, Ø 70mm
2	092.310.500.201	Electrical motor for exhaust flap, Ø 70mm
1	092.310.100.310	Control unit for valve control incl. wiring harness
2	092.310.500.202	Stainless steel heat protection for engine
2	092.310.500.203	Holding bracket for engine
6	001900M06X16912A	Cylinder head screw, M 6x16, (A2/70)
6	001900M06X11A2	Washer M 6x11, A2, DIN 433
2	992253143A	Clamping sleeve

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 work, check that the vehicle is free of defects. Use the PIWIS II 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 according to the assembly instructions.

2 Preliminary work

2.1 Dismantle rear apron

- 1 Raise the vehicle at the factory-fitted jacking points.
- 2 Remove the rear wheels.
- 3 Disconnect the battery.
- 4 Turn the ignition on.
- 5 Extract the rear spoiler.
- 6 Turn the ignition off.



Fig. 01

- 7 Dismantle the cover right and left (1).



Fig. 02

- 8 Unscrew the strip lighting fixture (2), pull it out and separate both electrical connections.

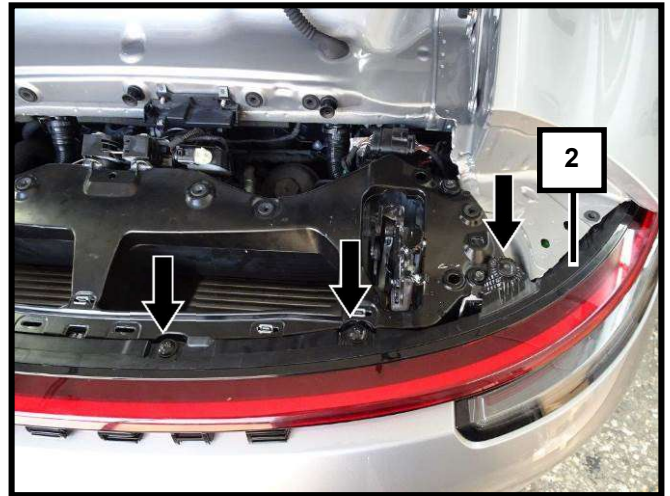


Fig. 03

- 9 Unscrew the taillight.
- 10 Unscrew the screws of the rear apron on the top.
- 11 Unscrew the screws of the rear apron in the wheel house.
- 12 Unscrew the screws of the rear apron on the bottom.
- 13 Separate the electrical connections of the rear apron in the area of the taillights.
- 14 Remove the rear apron towards the rear.

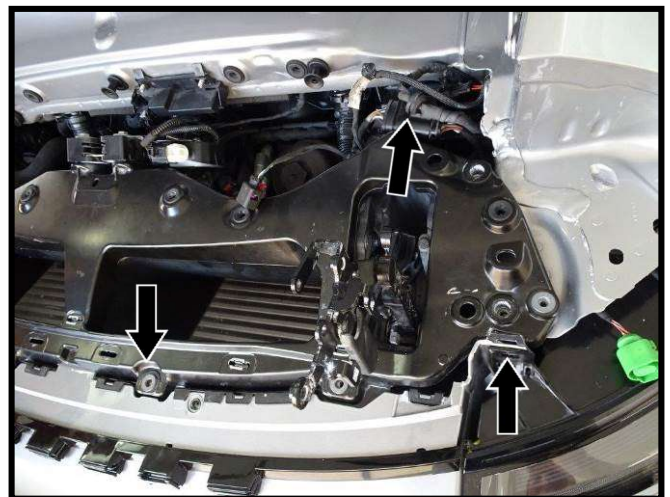


Fig. 04

3 Install TECHART exhaust unit incl. wiring harness**Coupé**

- 1 Remove the rear linings in the inside.

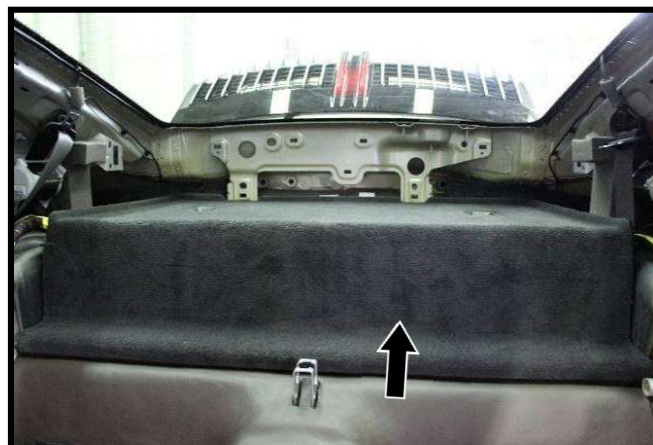


Fig. 05

Cabriolet

- 2 First, set the convertible top into service position. Then unhinge the steel cable for the window.
- 5 To dismantle the lining use a wedge to lift the lid.



Fig. 06

- 4 Unscrew the screws and dismantle the lining.



Fig. 07

- 5 Unhinge the carpet.



Fig. 08

- 6 Fold both backseats and remove the panel on the rear.



Fig. 09

Coupe and Cabriolet

- 7 Separate the right plug from the spoiler control unit.



Fig. 10

- 8 Route the CAN-wiring harness of the control unit to the engine compartment.

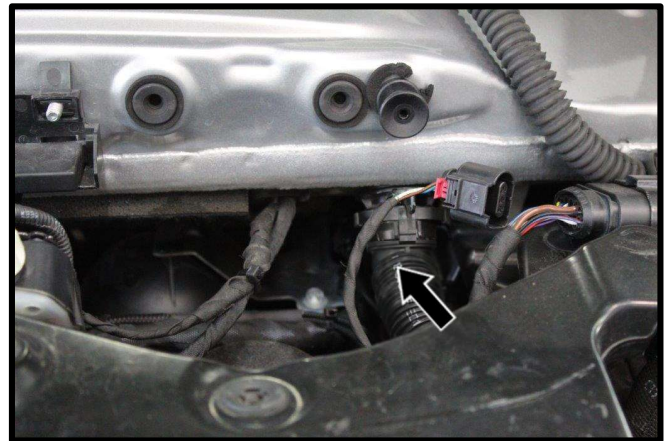


Fig. 11

- 9 Connect the CAN-wiring harness by unpinning Pin 3 from the plug and pinning in the orange/black cable of the TECHART wiring harness.
- 10 Insert the unpinned cable into the supplied plug to position PIN 1 of the 2-pole plug.
- 11 Also unpin PIN 4 from the plug of the spoiler control unit and insert the orange/brown cable of the TECHART wiring harness into the free pin shaft.
- 12 Finally insert the unpinned cable into the supplied plug to position PIN 2.

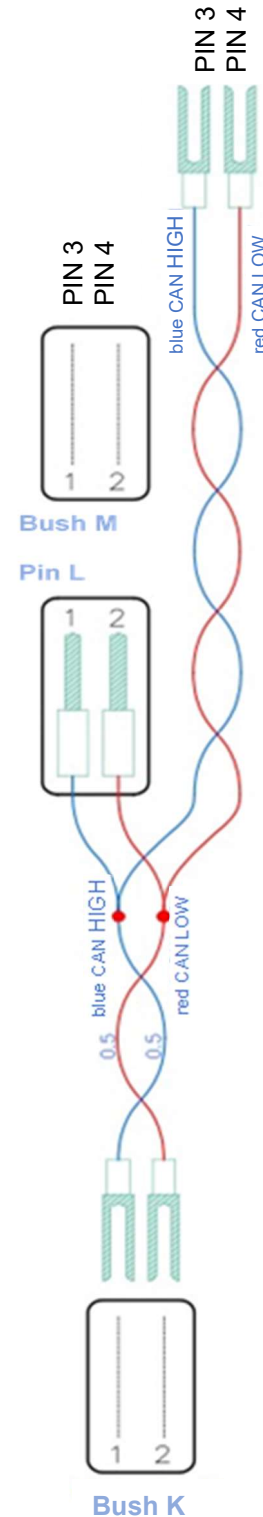


Fig. 12

- 13 Connect the brown cable of the TECHART wiring harness to the ground point at the body.
- 14 Pin the black cable of the TECHART wiring harness into one free place of the fuse carrier "clamp 30" and insert the fuse A5.



Fig. 13

- 15 Lock the plug of the spoiler control unit again
- 16 Connect the plug of the spoiler control with the control unit.
- 17 Connect the 2-pole TECHART plug with the TECHART wiring harness. Pay attention that the plug snaps in correctly.

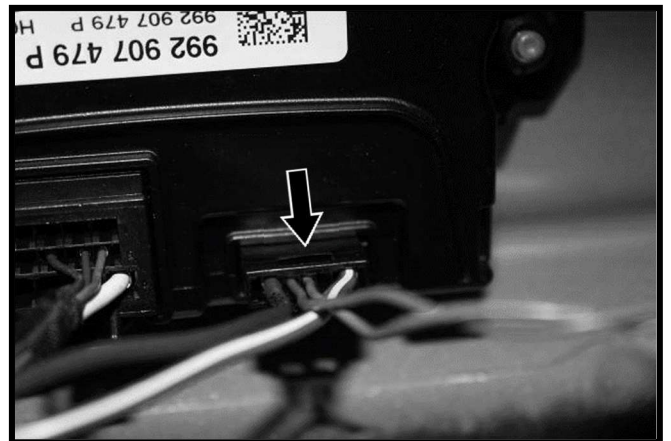


Fig. 14

- 18 Dismantle the crossmember with the heat protection.



Fig. 15

- 19 Loosen the clamp of the exhaust system and slide it towards the outside of the vehicle.



Fig. 16

- 20 Unplug both plugs of the exhaust flaps and loosen the tightening straps at the exhaust silencer.
- 21 Remove the silencer.

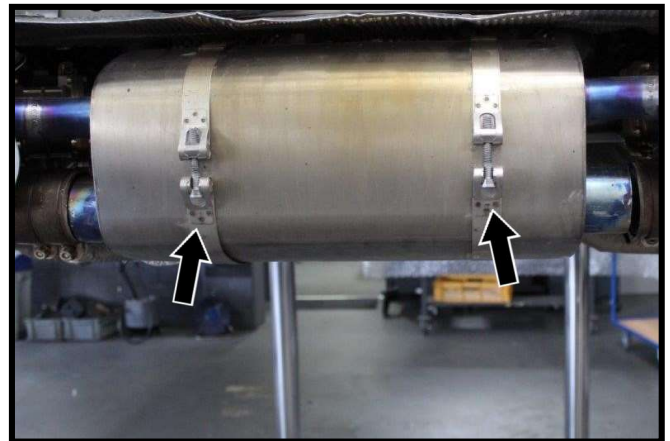


Fig. 17

- 22 Route the wiring harness from the rear left to the right side and from there to exhaust unit below. Make sure that the cable is protected from rotating and hot parts and that it is fastened correctly.
- 23 Connect the TECHART wiring harness with the plug of the left flap.
- 24 Route the remaining wiring harness to the right side and connect it with the right plug. Make sure that the cable is protected from rotating and hot parts and that it is fastened correctly.



Fig. 18

- 25 Let the TECHART exhaust muffler hang loose with the help of the tightening straps
- 26 Connect the TECHART wiring harness with both exhaust flaps to the TECHART exhaust muffler.

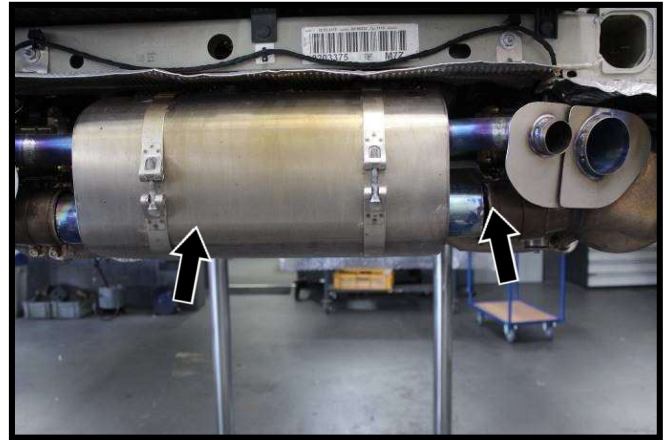


Fig. 19

- 27 Align the TECHART exhaust muffler in the middle and tighten the clamps and tightening straps.
- 28 Mount the crossmember with the heat protection.

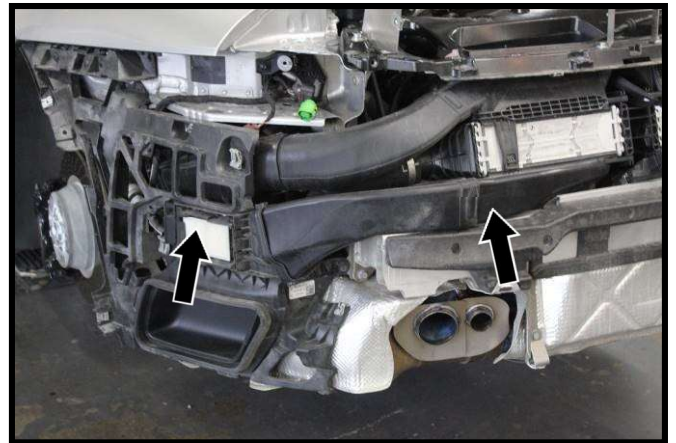


Fig. 20

- 29 Align the TECHART rear muffler in the center and tighten the clamps and tightening straps.
- 30 Check, if all components are carefully built in and if they are reliably fastened.
- 31 Connect the rear apron and the lamps electrically and install in reverse order.
- 32 Reconnect the battery.
- 33 Retrain movable rear spoiler with PIWIS, if available.
- 34 Read out the fault memories and if necessary, rectify the faults displayed. After this complete the vehicle.
- 35 Start the vehicle and check the functions.
- 36 Reinstall the remaining parts in reverse order.



Fig. 21

i On standard mode the valve is working as in the original Porsche vehicle.

i The valve is always open in Sport and SportPlus mode.

4 Final check

- 1 Perform a test drive (spoiler extends at 120-130 km/h or 75-82 mph) and check the vehicle again for faults.
- 2 Perform a general function check on vehicle.

TECHART

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