

ASSEMBLY INSTRUCTIONS

TECHART Exhaust System “GTstreet R”

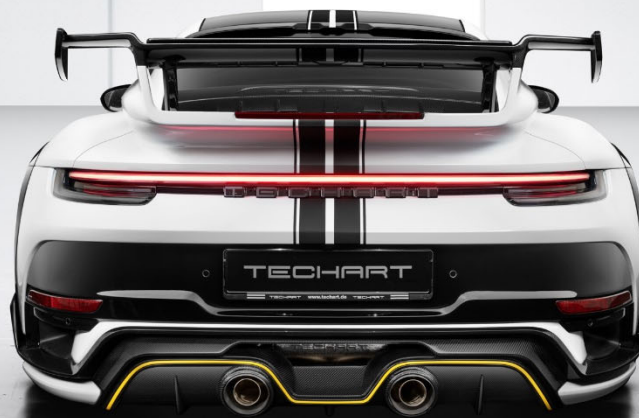
Part-no. 092.310.700.009

Exhaust system “GTstreet R”

Part-no. 092.310.701.009

Exhaust system “GTstreet R” with EC type approval

Version 05 – 11/2022




















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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="657 564 959 620" 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="657 860 959 916" 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="657 1106 959 1162" 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="598 1624 1098 1765">    </div>

 	<div data-bbox="655 374 956 432" 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="304 981 592 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 592 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	092.310.700.009	Exhaust system "Sport" valve controlled
Consisting of:		
1	092.310.700.100	Rear muffler
1	092.310.100.310	Control unit, valve-controlled incl. Wiring harness
2	000.300.828.000	Heat protection hose 20cm
1	092.310.700.101	Retaining plate, exhaust spring
2	091.310.700.301	Exhaust retaining spring

Quantity	Part number	Part name
1	092.310.701.009	Exhaust system "Sport" valve controlled with EU type approval
Consisting of:		
1	092.310.701.100	Rear muffler
1	092.310.100.320	Control unit, valve-controlled incl. Wiring harness
2	000.300.828.000	Heat protection hose 20cm
1	092.310.700.101	Retaining plate, exhaust spring
2	091.310.700.301	Exhaust retaining spring

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 Turn the ignition on.
- 4 Extract the rear spoiler.
- 5 Turn the ignition off.
- 6 Disconnect the battery.

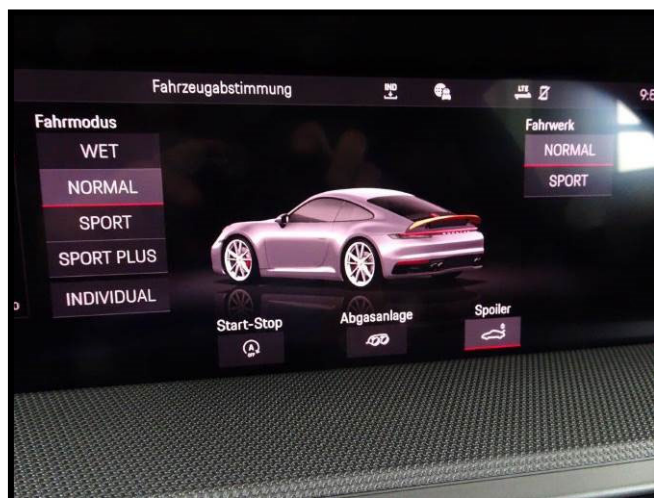


Fig. 01

- 7 Remove the screws below the rear spoilers.



Fig. 02

- 8 Remove the screws for the spoiler base frame.
- 9 Remove the base frame carefully over the spoiler supports.

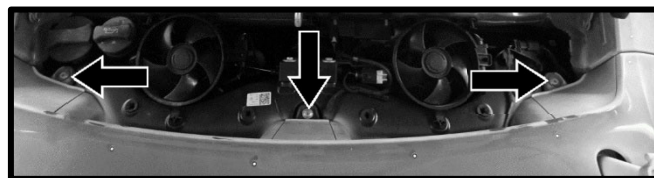


Fig. 03

All vehicles

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

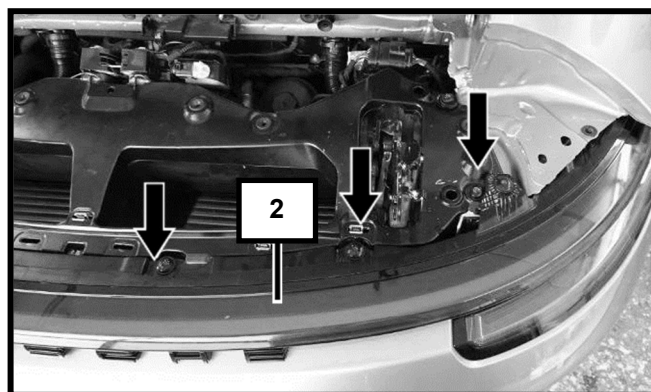


Fig. 04

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

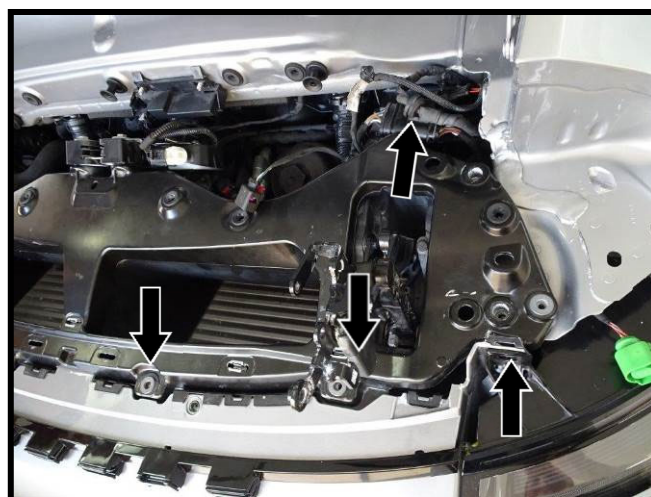


Fig. 05

3 Install TECHART exhaust unit incl. wiring harness

3.1 Installation wiring harness

Coupé

- 1 Remove the rear linings in the inside.



Fig. 06

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. 07

- 4 Unscrew the screws and dismantle the lining.



Fig. 08

- 5 Unhinge the carpet.



Fig. 09

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

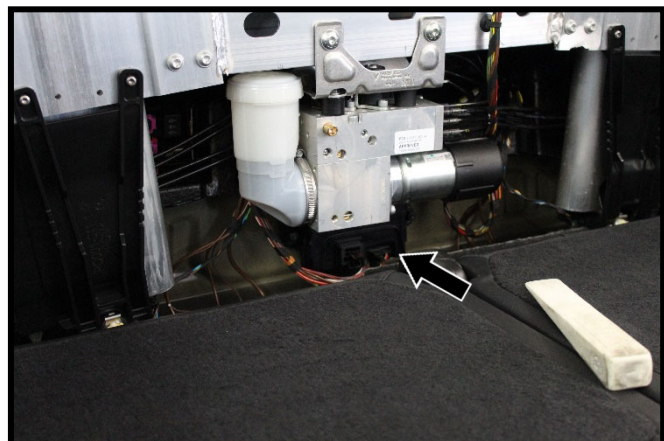


Fig. 10

- 7 Unplug the combination plug from the rear spoiler control unit.



Fig. 11

- 8 Connect the CAN-wiring harness by unpinning Pin1 (Turbo & Turbo S) from the plug and pin in the orange-black cable of the TECHART wiring harness.
- 9 Insert the unpinned cable into the supplied plug to position PIN 1.
- 10 Also unpin Pin 2 (Turbo & Turbo S) and insert the orange-brown cable of the TECHART wiring harness into the free pin shaft.
- 11 Finally insert the unpinned cable into the supplied plug to position PIN 2.
- 12 Please note the following chart which can be used on several TECHART products.
- 13 Please refer to the table below when using several auxiliary control units.

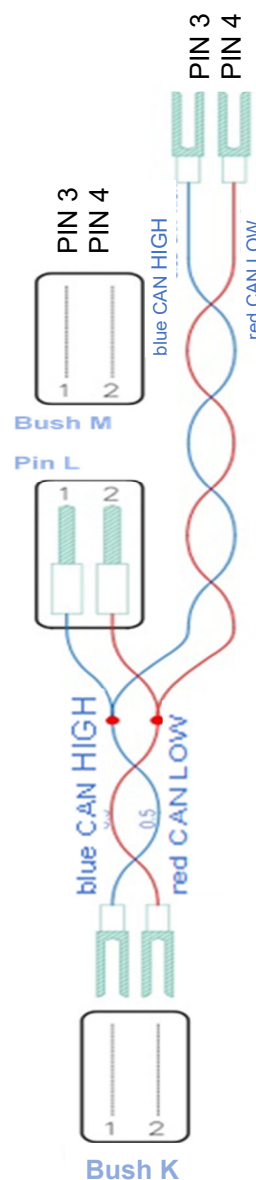


Fig. 12

	Carrera	Turbo & S	Techtronic	Exhaust valve	Rear spoiler
CAN HIGH	Pin 3	Pin 1	blue	orange black	green
CAN LOW	Pin 4	Pin 2	red	orange brown	brown

- 14 Connect the brown cable of the TECHART wiring harness to the ground point at the body.
- 15 Pin the black cable of the TECHART wiring harness into one free place of the fuse carrier battery positive (permanent power supply) and insert the fuse A5.



Fig. 13

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

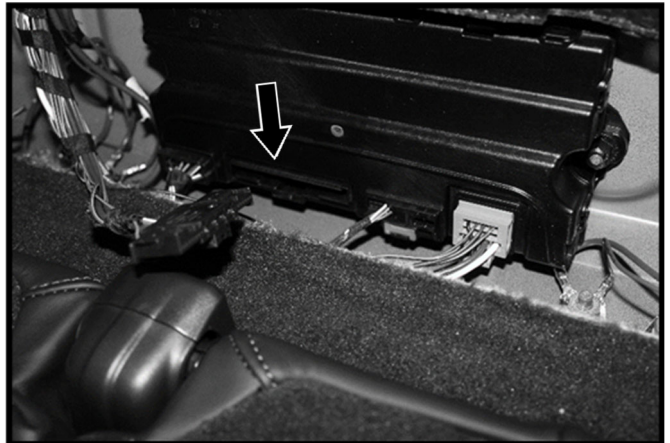


Fig. 14

3.2 Installation TECHART rear muffler

- 1 Dismantle air duct.

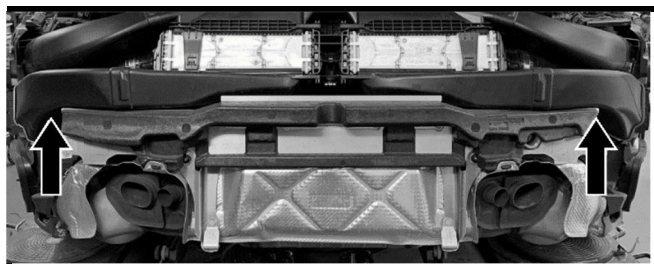


Fig. 15

- 2 Dismantle crossmember with heat protection.

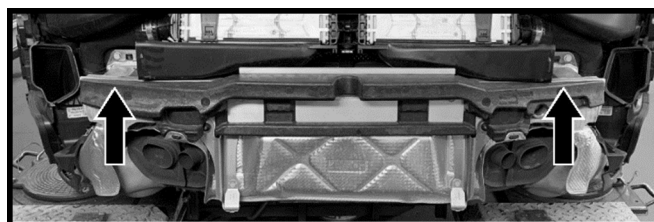


Fig. 16

- 3 Loosen the clamps of the exhaust unit and push towards the outer side of the vehicle.

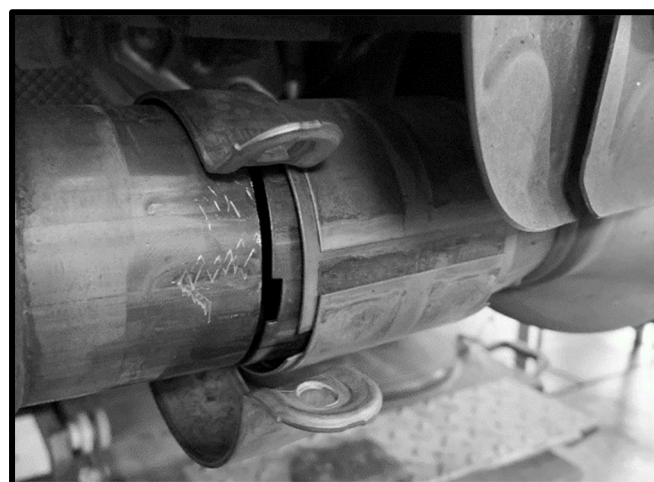


Fig. 17

- 4 Unplug both plugs of the exhaust unit (1) and loosen the straps at the exhaust muffler (2).
- 5 Remove the rear muffler.
- 6 Remove the straps. They are no longer needed.

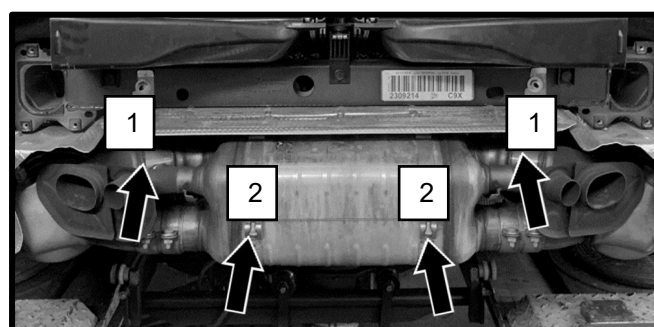


Fig. 18

- 7 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.

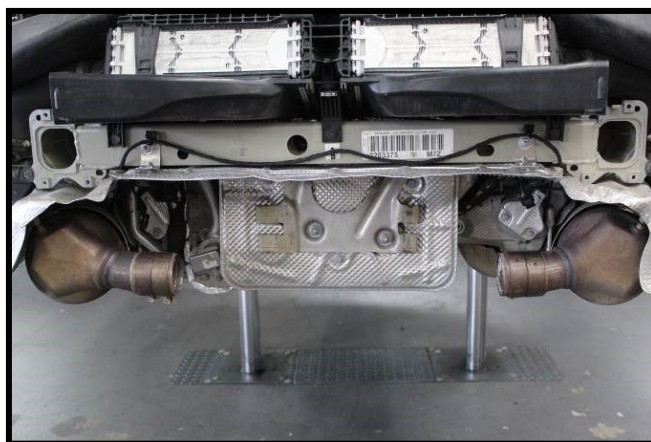


Fig. 19

- 8 Cut the retaining lugs as marked.
- 9 Drill a hole of 3mm into the top lug for the retaining spring (1).
- 10 Mount an additional holder to the screw (2).

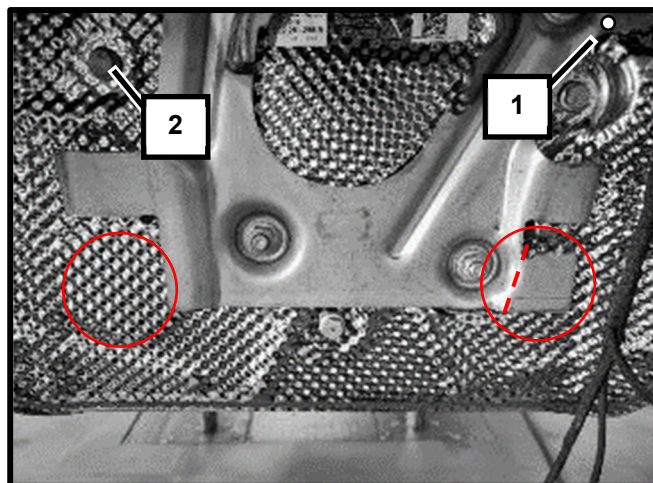


Fig. 20

- 11 Fasten the TECHART rear muffler with the clamps at the outlet of the catalytic converters.
- 12 Align the TECHART rear muffler in the middle, then tighten the clamps. Torque 30Nm.

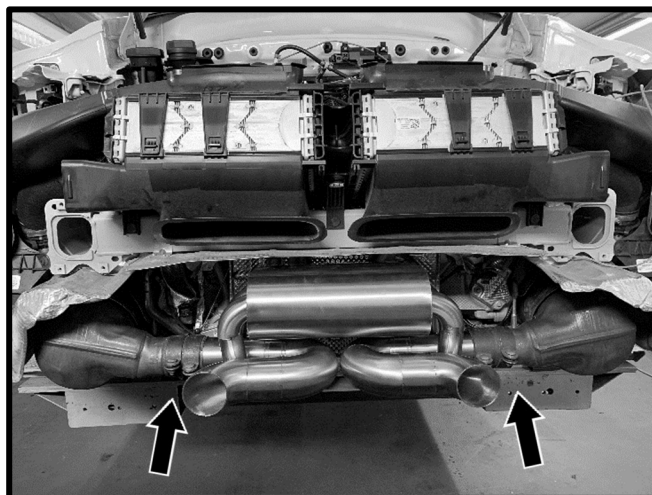


Fig. 21

- 13 Hinge the retaining spring left and right.

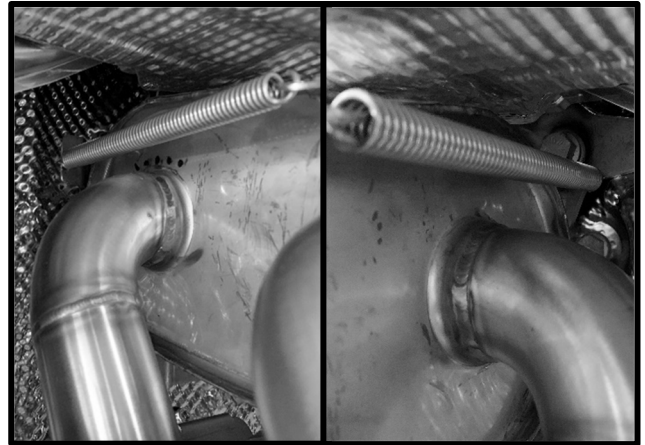


Fig. 22

- 14 Pull the heat protection over the cable which are routed to the exhaust flap.
- 15 Connect the TECHART wiring harness with both exhaust flaps at the TECHART rear muffler.
- 16 Tighten the lock of the plugs.

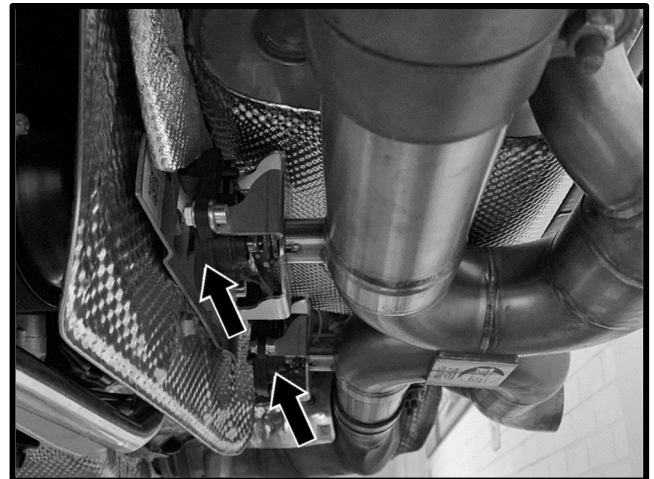


Fig. 23

- 17 Reconnect the battery.
- 18 Read out the fault memories and if necessary, rectify the faults displayed.

3.3 Functional test

- 1 Function of the flap control unit 092310100310
in normal: control as specified by the manufacturer
in Sport: always open
in Sport+: always open
- 2 Functionality of the flap control unit 092310100320 (EC type approval)
in normal: closed up to 4000 rpm
in Sport: open from 100km / h and when 4000 rpm and high load
in Sport+: open from 100km / h and when 4000 rpm and high load
- 3 Button in the center console has no function



Fig. 24

4 Final check

- 1 Complete the vehicle.
- 2 Recalibrate rear spoiler and exhaust flaps with PIWIS. Delete all fault memories or rectify active faults.
- 3 Perform a test drive (spoiler extends at 120-130 km/h or 75-82 mph) and check the vehicle again for faults.
- 4 Perform a general function check on vehicle.

TECHART

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