

ASSEMBLY INSTRUCTIONS

TECHART Exhaust System “Sport”

Part-no. 092.310.660.009

Exhaust system “Sport” valve controlled, for 992

Version 03 – 06/2023



Content

I Important safety information.....3

II Preparation4

III Installation.....6

1 Prepare vehicle6

2 Preliminary work7

2.1 Dismantle rear apron7

3 Install TECHART exhaust unit incl. wiring harness9

3.1 Installation wiring harness9


















3.2 Installation TECHART rear muffler.....14











3.3 Functional test17

4 Final check17

I Important safety information

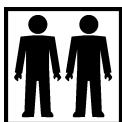
All of the necessary work must be performed by qualified persons with an appropriate level of expertise.

	<div style="text-align: center;"> 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 style="text-align: center;"> 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 style="text-align: center;"> 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 style="display: flex; justify-content: space-around; align-items: center;">    </div>	  

 	<div data-bbox="655 376 956 432" 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="655 701 956 757" 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 1037" 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 1220" 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	092.310.660.009	Exhaust system "Sport" valve controlled
Consisting of:		
1	092.310.660.100	Rear muffler
1	092.310.100.310	Control unit, valve-controlled incl. Wiring harness
2	000.300.828.000	Heat protection hose 20cm
2	000.900.848.800	Hexagon socket head screw, M8x80

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.

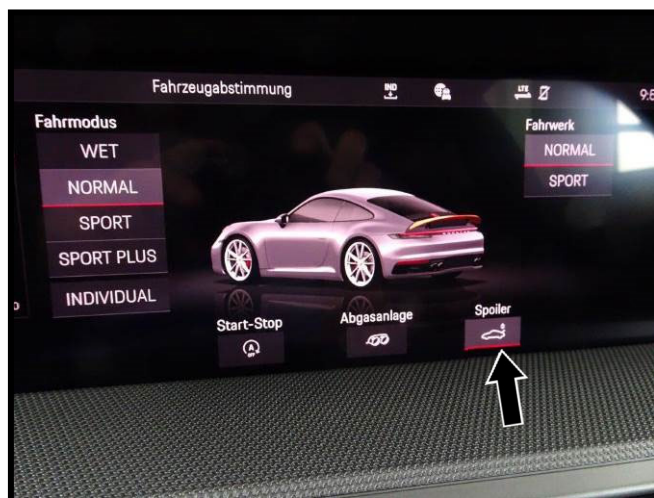


Fig. 01

Carrera

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



Fig. 02

Turbo

- 8 Remove the screws below the rear spoiler.

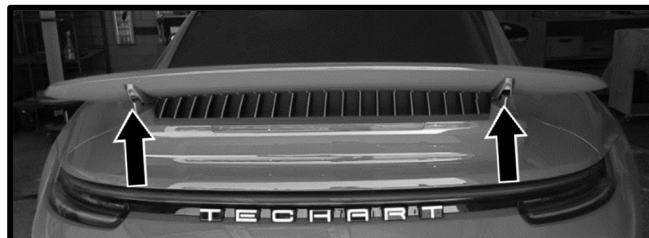


Fig. 03

- 9 Remove the screws for the spoiler base frame.

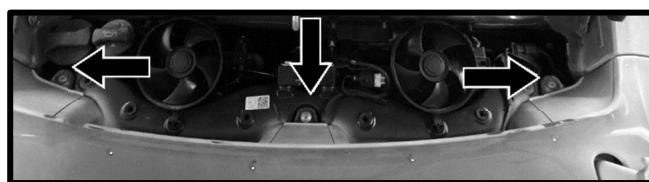


Fig. 04

- 10 Remove the base frame carefully over the spoiler supports.

All vehicles

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

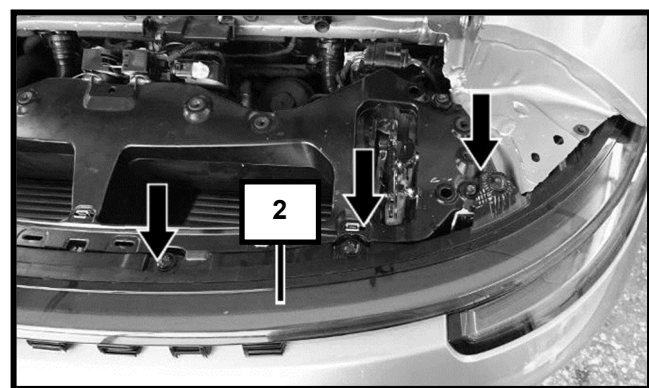


Fig. 05

- 12 Unscrew the taillight.

- 13 Unscrew the screws of the rear apron on the top.

- 14 Unscrew the screws of the rear apron in the wheel house.

- 15 Unscrew the screws of the rear apron on the bottom.

- 16 Separate the electrical connections of the rear apron in the area of the taillights.

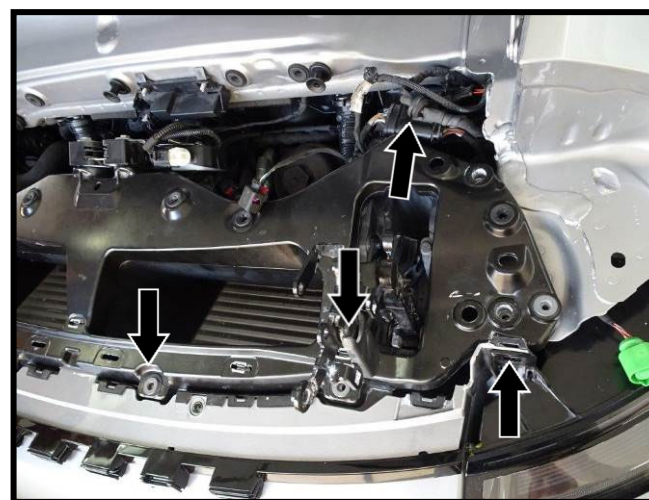


Fig. 06

- 17 Remove the rear apron towards the rear.

3 Install TECHART exhaust unit incl. wiring harness

3.1 Installation wiring harness

Coupé

- 1 Remove the rear linings in the inside.

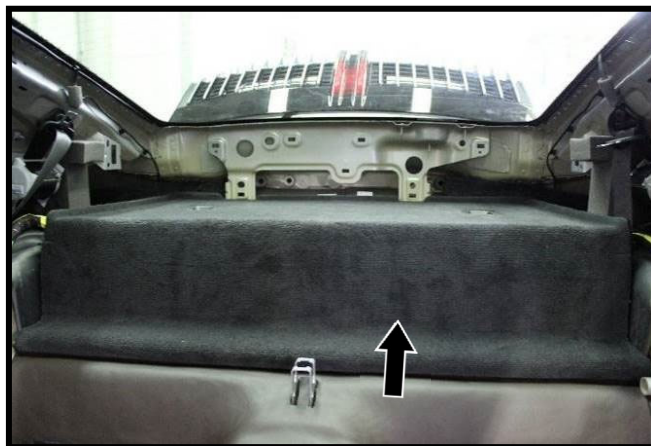


Fig. 07

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. 08

- 4 Unscrew the screws and dismantle the lining.



Fig. 09

- 5 Unhinge the carpet.



Fig. 10

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

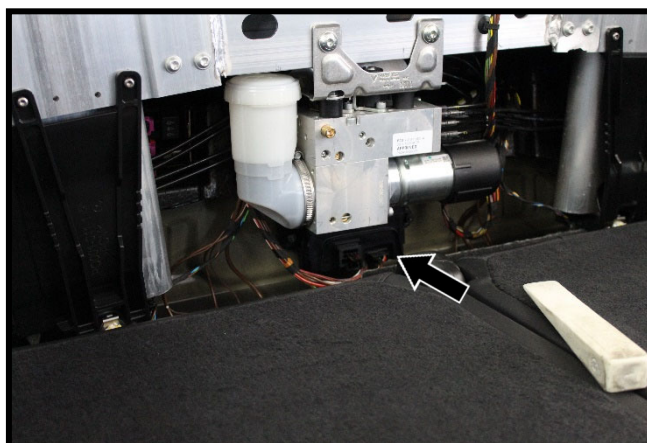


Fig. 11

Carrera

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



Fig. 12

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

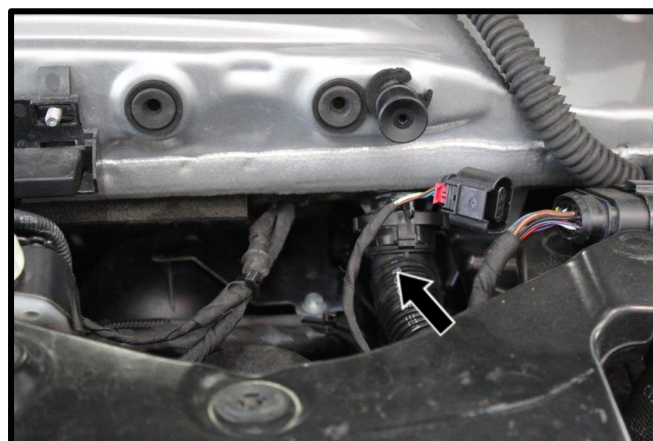


Fig. 13

Turbo

- 9 Turbo und Turbo S, spoiler control unit.

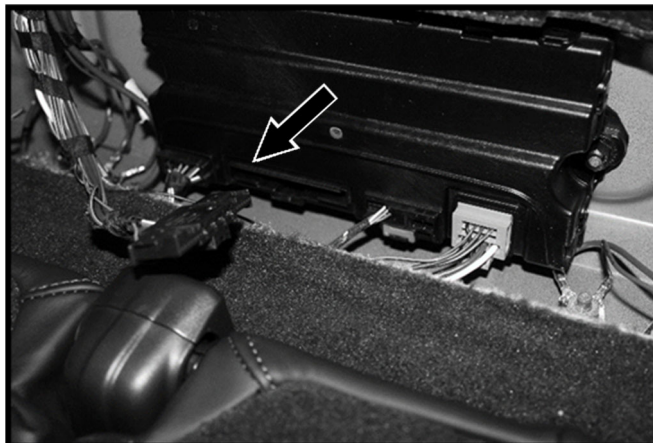


Fig. 14

All vehicles

- 10 Connect the CAN-wiring harness by unpinning Pin 3 (Carrera) or Pin1 (Turbo & Turbo S) from the plug and pin in the orange-black cable of the TECHART wiring harness.
- 11 Insert the unpinned cable into the supplied plug to position PIN 1.
- 12 Also unpin PIN 4 (Carrera) or Pin 2 (Turbo & Turbo S) and insert the orange-brown cable of the TECHART wiring harness into the free pin shaft.
- 13 Finally insert the unpinned cable into the supplied plug to position PIN 2.
- 14 Please note the following chart which can be used on several TECHART products.
- 15 Please refer to the table below when using several auxiliary control units.

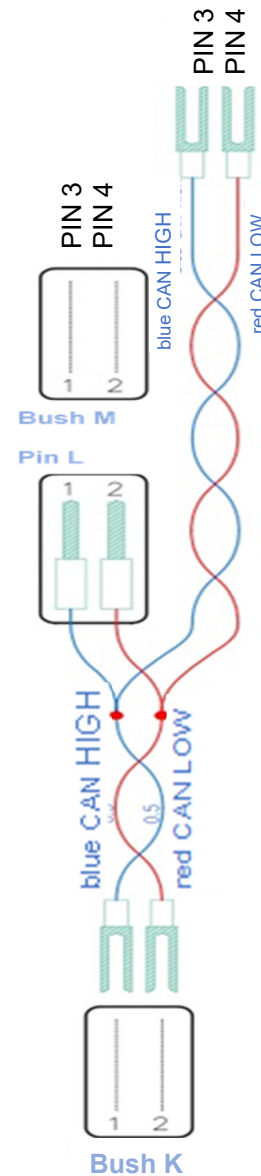


Fig. 15

	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

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



Fig. 16

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

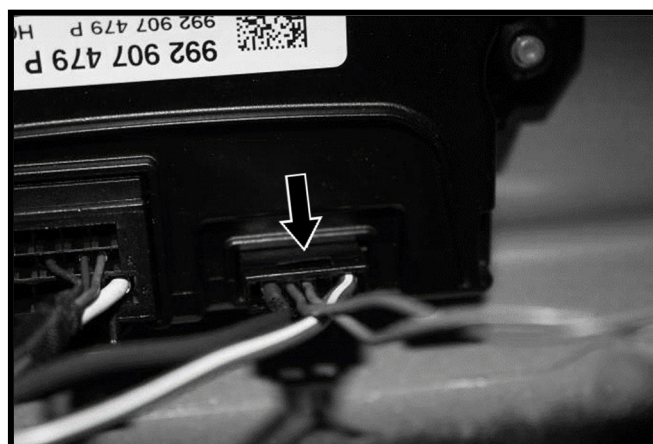


Fig. 17

3.2 Installation TECHART rear muffler

- 1 Dismantle air duct.

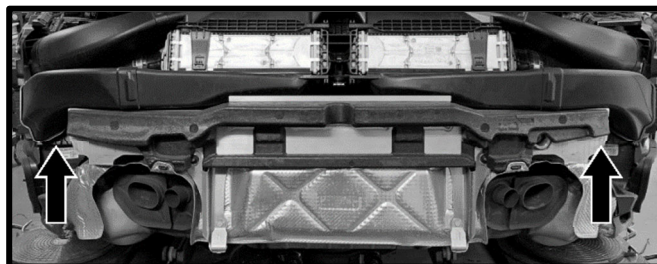


Fig. 18

- 2 Dismantle crossmember with heat protection.

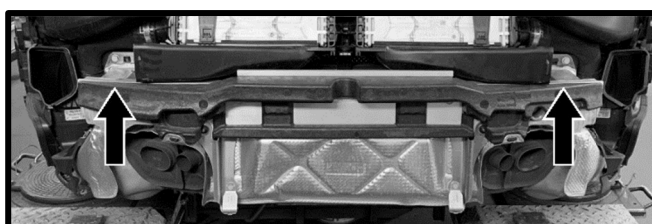


Fig. 19

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

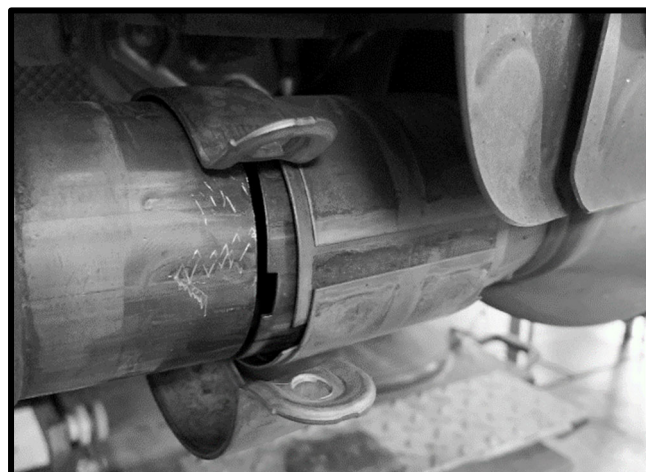


Fig. 20

- 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.

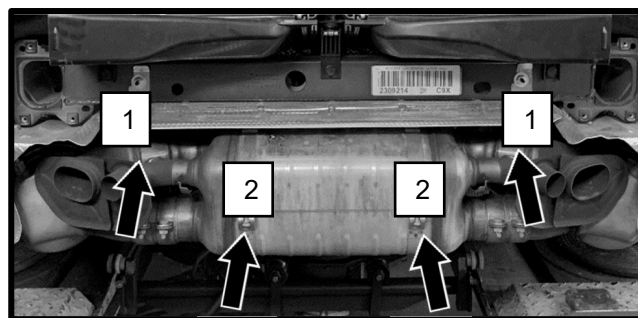


Fig. 21

- 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.

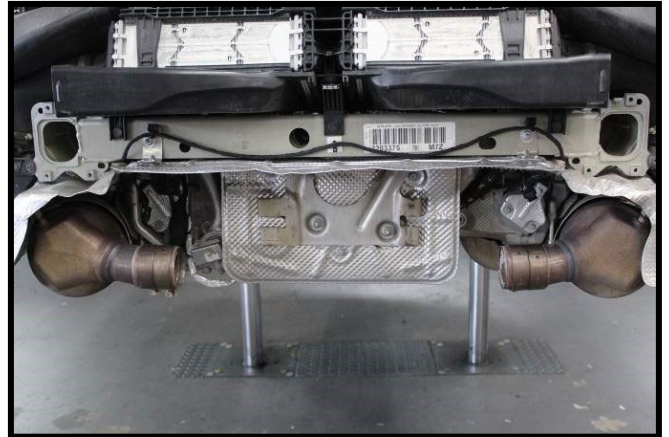


Fig. 22

- 8 Fasten the TECHART rear muffler to the outlet of the catalytic converter using the clamps.
- 9 Center the TECHART rear muffler, then tighten the clamps. Tightening torque 30Nm.
- 10 Fasten the exhaust system with the tightening straps and the screws supplied like the standard system.

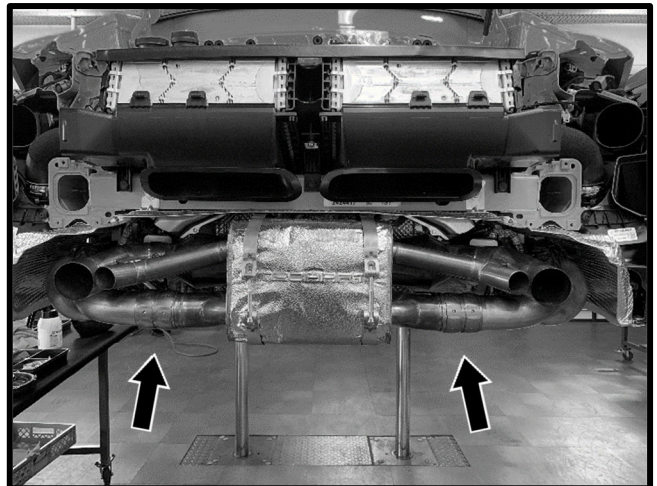


Fig. 23

- 11 Pull the heat protection over the cables that go to the exhaust flap.
- 12 Connect the TECHART wiring harness to the two exhaust flaps on the TECHART rear muffler.
- 13 Close the lock of the plugs.

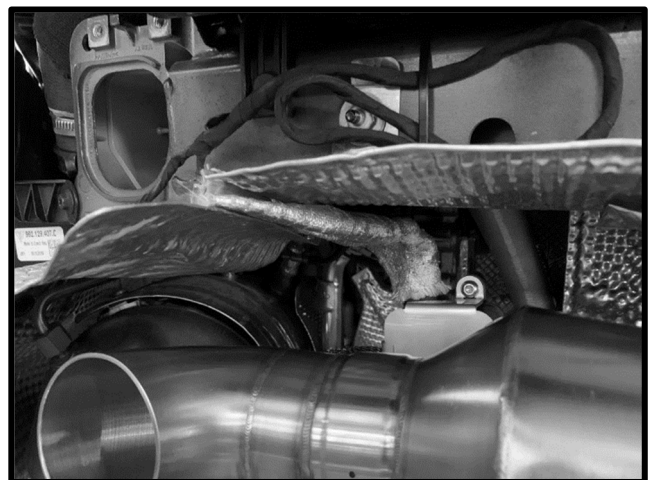


Fig. 24

- 14 Depending on the tolerances of the vehicle and exhaust system, it may be necessary to remove the center mounting bolts of the heat shield.

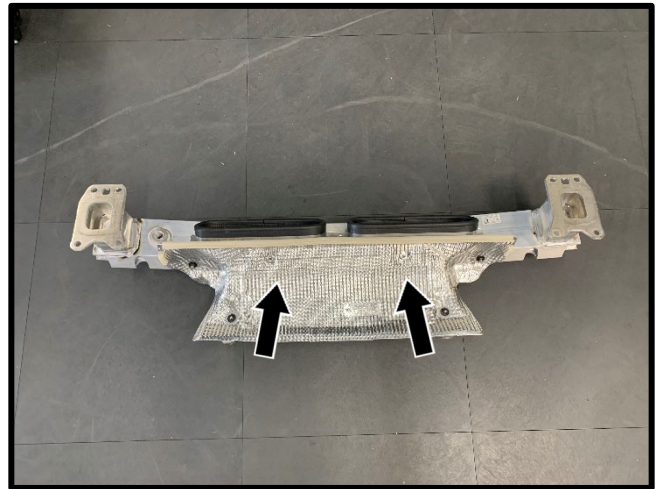


Fig. 25

- 15 Install the crossmember with the heat protection.
- 16 Connect the rear apron and the lamps electrically and install in reverse order.
- 17 Reconnect the battery.
- 18 Read out the fault memories and if necessary, rectify the faults displayed. After this complete the vehicle.
- 19 Start the vehicle and check the functions.
- 20 Reinstall the remaining parts in reverse order.
- 21 Retrain the rear spoiler with PIWIS.
- 22 Read out and delete fault memory again.

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

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

TECHART AUTOMOBILDESIGN GMBH

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

Subject to change at any time without prior notice.
Copyright 2023 by **TECHART** Automobildesign GmbH