



## **ASSEMBLY INSTRUCTIONS**

### **TECHART Sport mirror R&L Carbon**

Part-no. 092.121.851.009G-01

Part-no. 092.121.851.009M-01

Part-no. 092.121.861.009G-01

Part-no. 092.121.861.009M-01

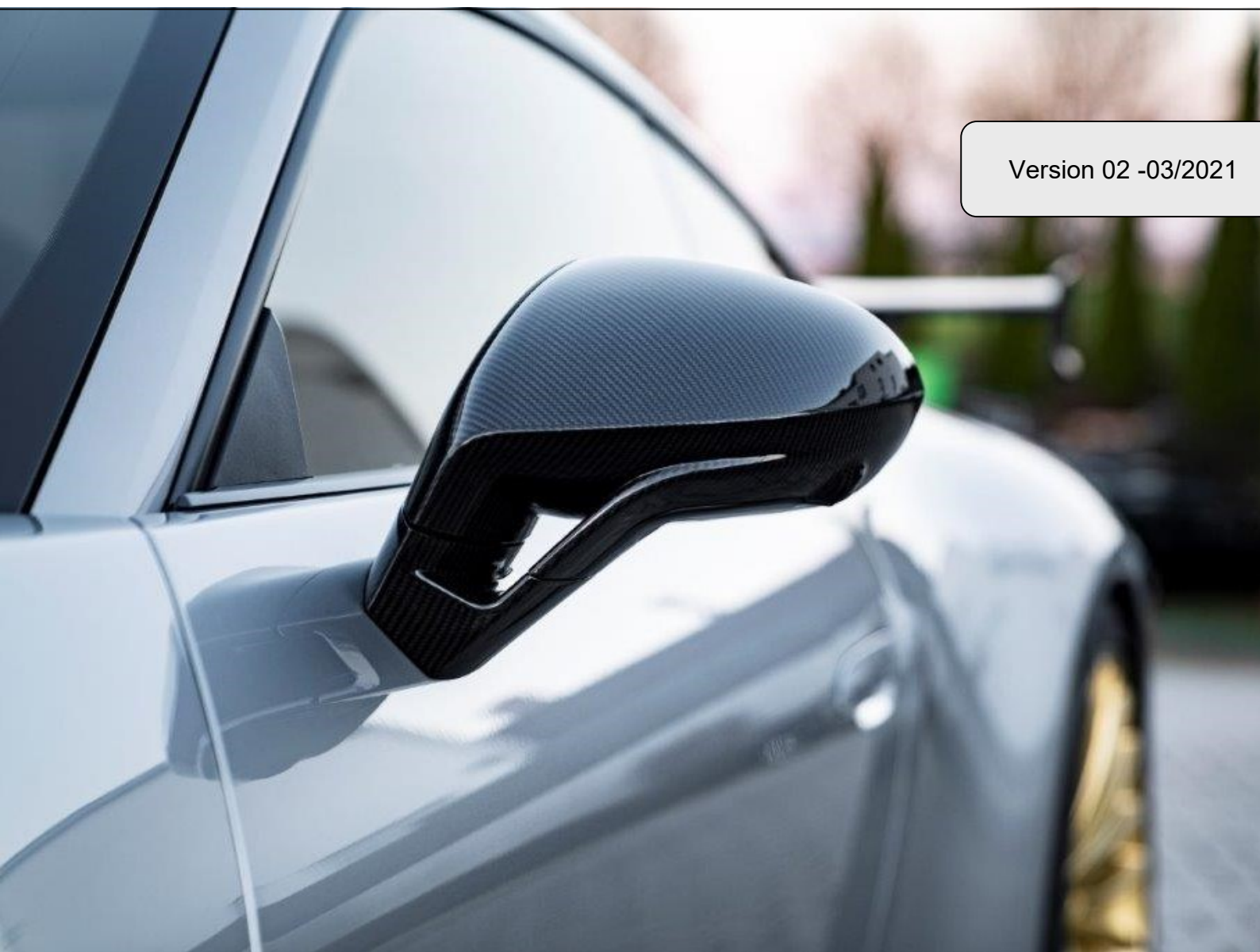
for 992 LHD "glossy"

for 992 LHD "matt"

for 992 RHD "glossy"

for 992 RHD "matt"

Version 02 -03/2021





# ASSEMBLY INSTRUCTIONS

**TECHART Sport Mirror Carbon for 992 Carrera**

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# ASSEMBLY INSTRUCTIONS

## TECHART Sport Mirror Carbon for 992 Carrera

### I Important safety information











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

	<div> <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> <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>   </div>	<div> <b>WARNING</b></div> <p>Risk of fire and explosion from ignition of windshield cleaning agents/antifreeze and their vapors.</p> <p>Risk of poisoning from ingesting windshield cleaning agents/antifreeze and breathing in their vapors.</p> <p>Risk of injury due to irritation caused by windshield cleaning agents/antifreeze coming into contact with eyes, skin and other parts of the body.</p> <p>Wear protective clothing and safety glasses. Avoid naked flames, fire and sources of ignition. Avoid contact with eyes, skin and other parts of the body. Do not eat, drink or smoke when handling windshield cleaning agents/antifreeze. Do not breathe in vapors and ensure adequate ventilation. Keep windshield cleaning agents/antifreeze only store them in sealable original containers.</p>	<div>  </div> <div></div>



# ASSEMBLY INSTRUCTIONS

TECHART Sport Mirror Carbon for 992 Carrera

 	<div> <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> <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><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>	
	<div><b>NOTICE</b></div> <p>All body parts must be prepared and painted in accordance with the attached painting guide.</p>	

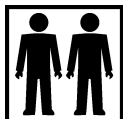


# ASSEMBLY INSTRUCTIONS

## TECHART Sport Mirror Carbon for 992 Carrera

### 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**

Quantity	Part number	Part designation
1	092.121.851.009_-01	TECHART Sport mirror R&L Carbon LHD
Consisting of:		
1	092.121.851.100-01	Sport mirror Carbon right
1	092.121.851.101-01	Sport mirror Carbon left
1	092.121.851.110	Sport mirror base Carbon right
1	092.121.851.111	Sport mirror base Carbon left
1	092.121.851.200	Sport mirror bracket Carbon right
1	092.121.851.201	Sport mirror bracket Carbon left
1	092.140.851.009	Gluing die-cuts, mirror base
4	0029003.9/16X11	Speed nut, 3.9/16x11, yellow galvanized
4	0039003.9X161025	Sheet metal screw fillister head with flange 3.9x16
2	092.100.851.200	Installation support 1mm
1	00091089010031	Bond + Seal black, tube 70 ml
1	092.140.852.009	Set of foil for sport mirror
2	0009012,4X8,07337	Rivet truss head 2.4x8.0 Alu blue passivated
1	092.100.851.100	Panel set
Consisting of:		
1		Panel camera right
1		Panel camera left
1		Panel ambient lighting right
1		Panel ambient lighting left



# ASSEMBLY INSTRUCTIONS

## TECHART Sport Mirror Carbon for 992 Carrera

Quantity	Part number	Part designation
1	092.121.861.009_-01	TECHART Sport mirror R&L Carbon RHD
Consisting of:		
1	092.121.861.100-01	Sport mirror Carbon right
1	092.121.861.101-01	Sport mirror Carbon left
1	092.121.861.110	Sport mirror base Carbon right
1	092.121.861.111	Sport mirror base Carbon left
1	092.121.861.200	Sport mirror bracket Carbon right
1	092.121.861.201	Sport mirror bracket Carbon left
1	092.140.851.009	Gluing die-cuts, mirror base
4	0029003.9/16X11	Speed nut, 3.9/16x11, yellow galvanized
4	0039003.9X161025	Sheet metal screw fillister head with flange 3.9x16
1	00091089010031	Bond + Seal black, tube 70 ml
1	092.140.852.009	Set of foil for sport mirror
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1	092.100.851.100	Panel set
Consisting of:		
1		Panel camera right
1		Panel camera left
1		Panel ambient lighting right
1		Panel ambient lighting left

Bitte überprüfen Sie anhand der Tabelle, ob alle notwendigen Teile vorhanden sind.

Nach Entnahme der Teile aus der Originalverpackung ist auf sachgemäße Handhabung und Lagerung zu achten.



### III Installation

#### 1 Prepare vehicle

- i** Before starting 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.

#### 1.1 Dismantle the original side mirrors

- 1 Unclip the cover on the rear of the door panel.
- 2 Untighten the screw (a).
- 3 Disconnect the electrical plug-connection and remove.

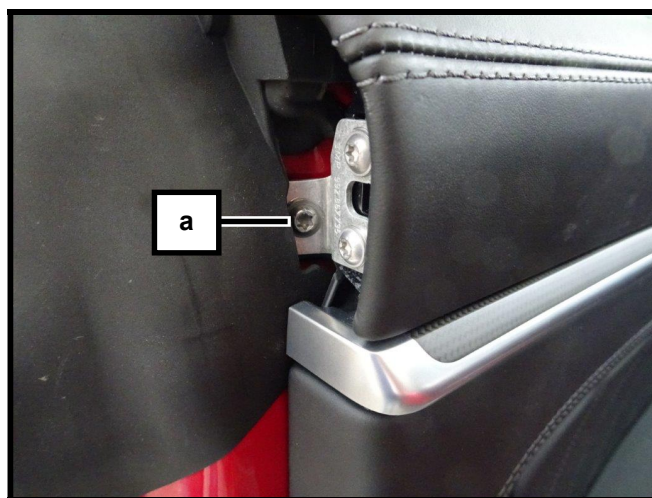


Fig. 01

- 4 Open the door opener all the way, fold the rubber cover towards the back.
- 5 Remove the screw (b).
- 6 Slide the door panel out of its support towards the top and fold to the back.
- 7 Disconnect the electrical plug-connection and remove.

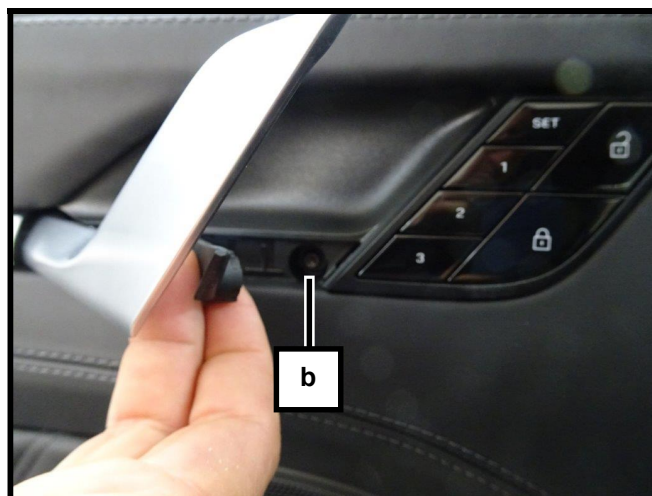


Fig. 02

- 8 Unclip the Bowden control (c) and unhinge to the shown directions (d).
- 9 Remove the door panel.
- 10 Disconnect the electrical cable from the side mirror and fasten it with a cable or a string.

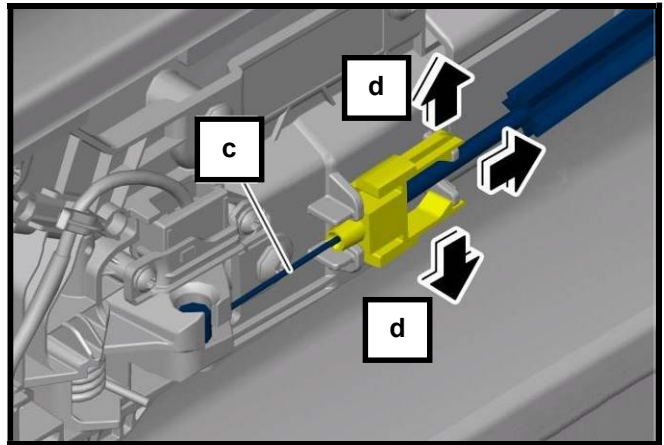


Fig. 03

- 11 Unscrew the side mirror from the door (e).
- 12 Remove the side mirror and pull the cable or string in the door
- 13 Secure the cable or string and separate from the side mirror.

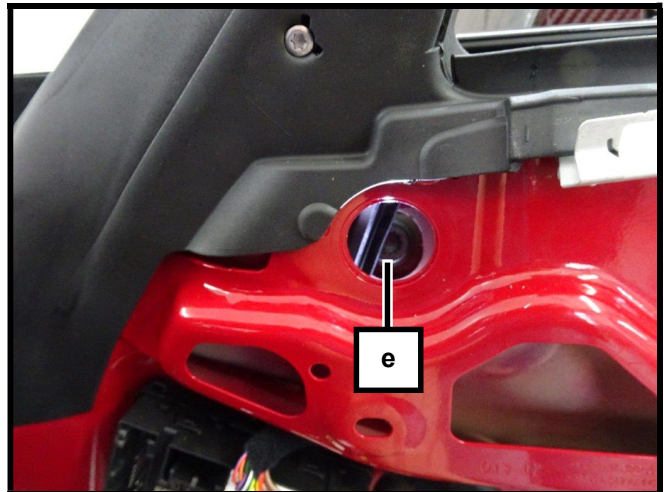


Fig. 04



### 1.2 Disassemble the original side mirror

- 1 Unclip the mirror glass (1) from the mirror housing (2).

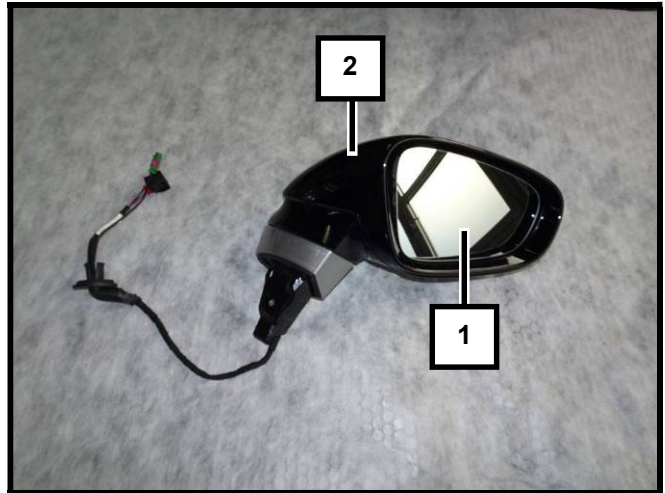


Fig. 05

- 2 Disconnect the electrical connection from the mirror heating and the sensor to the mirror glass (1).
- 3 Untighten the servomotor and separate the electrics.

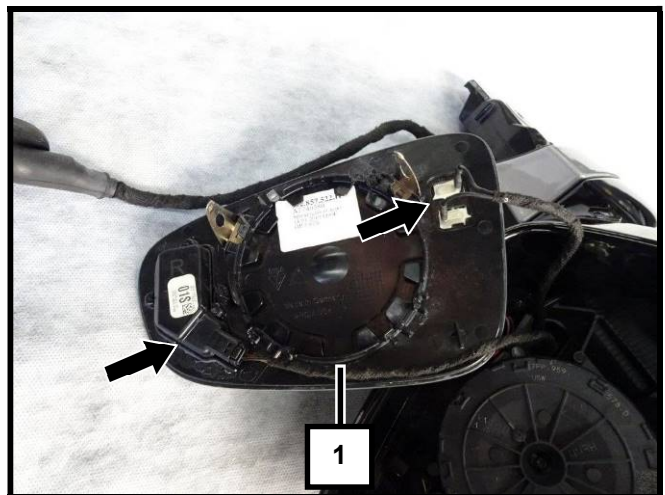


Fig. 06

- 4 Unclip the mirror base (3) and remove downwards.

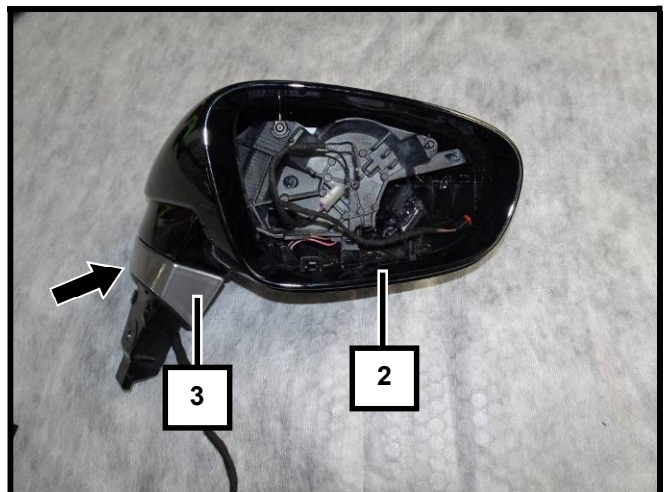


Fig. 07

# ASSEMBLY INSTRUCTIONS

## TECHART Sport Mirror Carbon for 992 Carrera

- 5 Unscrew the mirror shell (4) and unclip from the mirror housing.

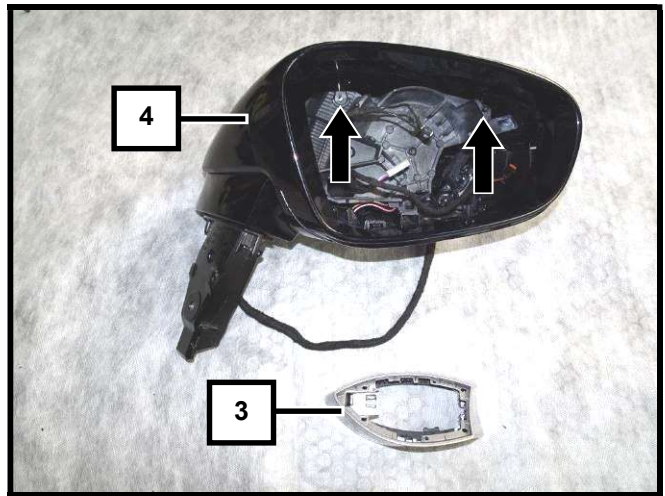


Fig. 08

- 6 Unscrew the mirror lower shell (5) from the base frame (6).
- 7 Unclip the lighting.

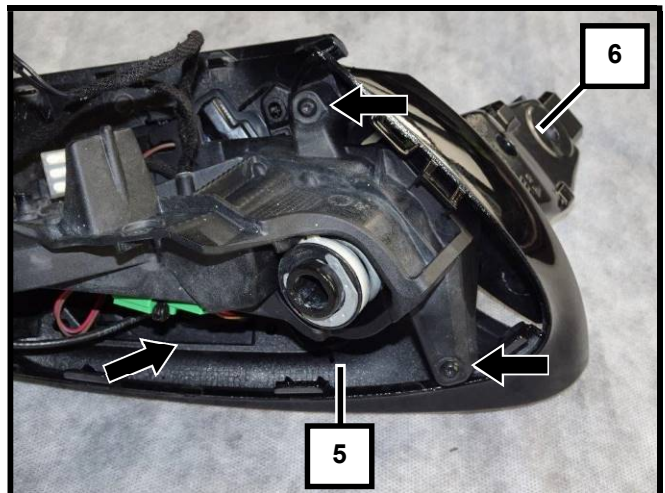


Fig. 09

- 8 Unscrew the camera with the cover (7) from the mirror lower shell (5).

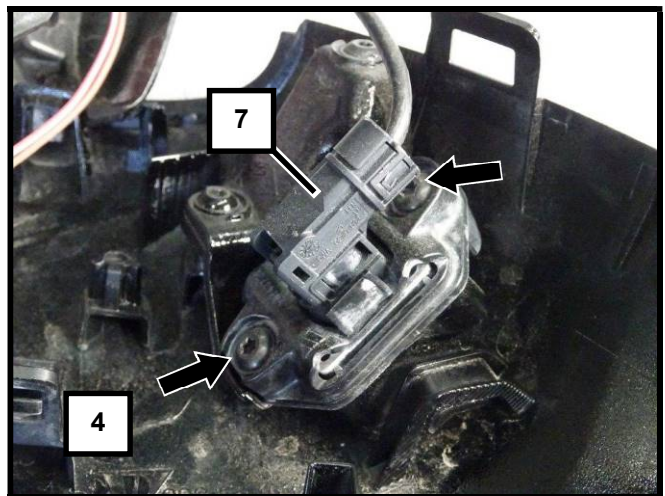


Fig. 10

- 9 Remove the cover from the camera (7).

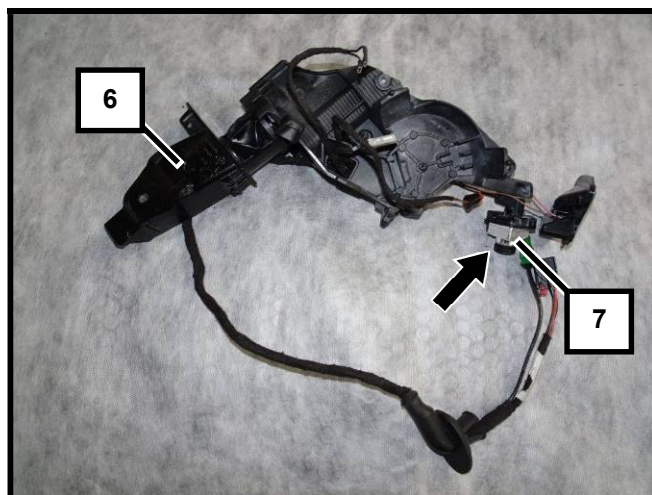



Fig. 11

 The parts from the mirror housing and the mirror base are no longer required.





# ASSEMBLY INSTRUCTIONS

## TECHART Sport Mirror Carbon for 992 Carrera

### 2 Modify the base frame

To feed the base frame easier into the TECHART sport mirror remove the lugs and brackets which are no longer needed.

- 1 Remove the outer lug at the base frame (6).

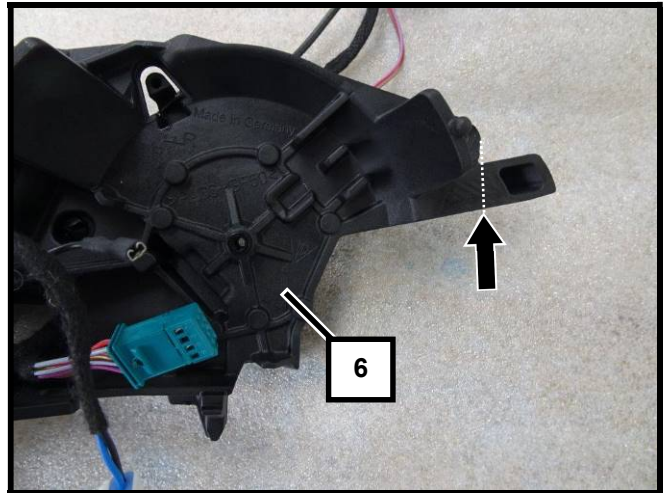


Fig. 12

- 2 Remove the lower bar below the nib of the base frame (6).

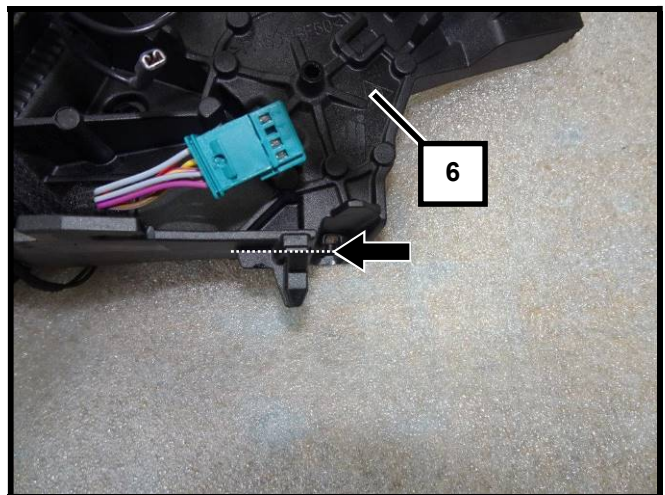


Fig. 13

- 3 Remove the screwing lug inside from the base frame (6).

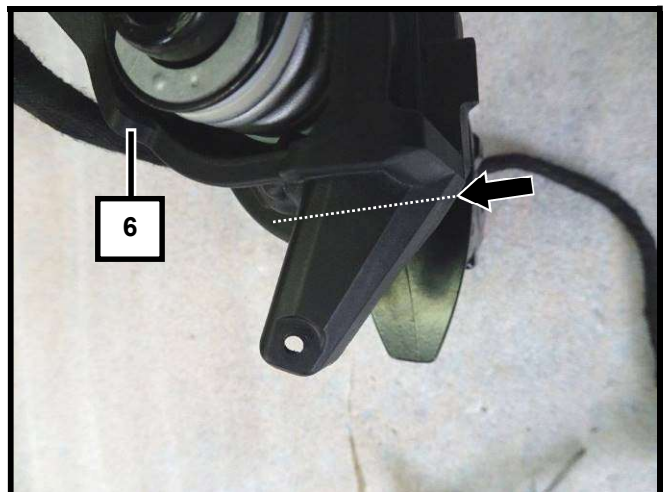


Fig. 14



# ASSEMBLY INSTRUCTIONS

## TECHART Sport Mirror Carbon for 992 Carrera

- 4 Remove the screwing lug frontside from the base frame (6).

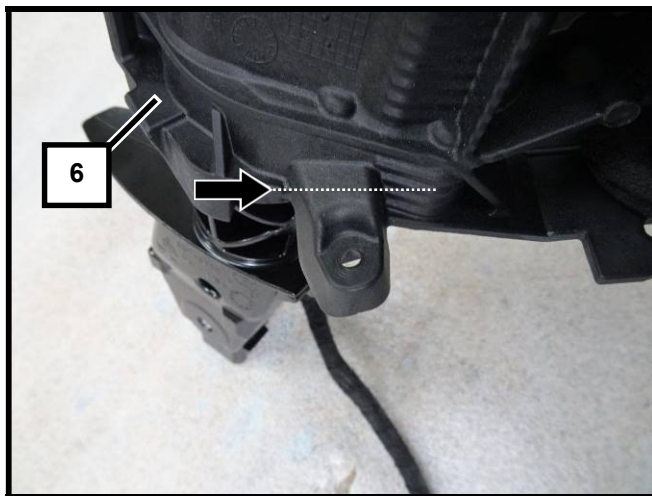


Fig. 15



# ASSEMBLY INSTRUCTIONS

## TECHART Sport Mirror Carbon for 992 Carrera

### 3 Install TECHART sport mirrors

- i** The bonding surfaces of the TECHART sport mirrors, the TECHART sport mirror base and the door must be dry and free of dust.

Use cleaning agent to thoroughly degrease bonding surfaces on the TECHART sport mirror. Then sand it down using 100-180 grade abrasive paper and finally use cleaning agent to degrease it again. Degrease the door.

Do not touch the surfaces after they have been cleaned.

- 5 Bend the base frame (6) about 10-15 degrees.

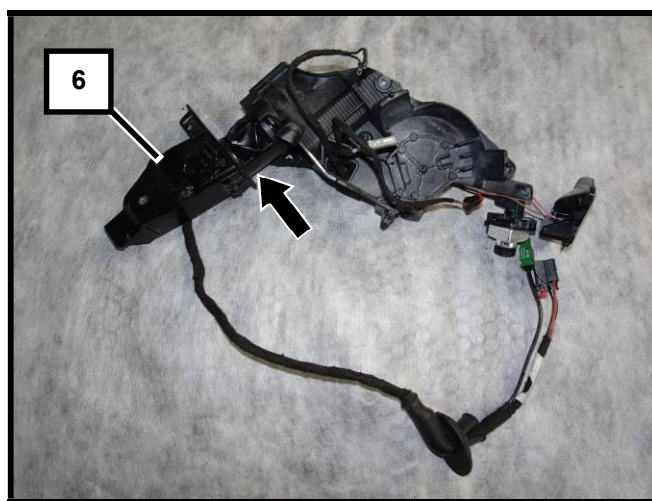


Fig. 16

- 6 Attach the speed nut 3.9 to the TECHART sport mirror 092.121.851.10\_ (8).
- 7 Slide the base frame (6) into the TECHART sport mirror (7).

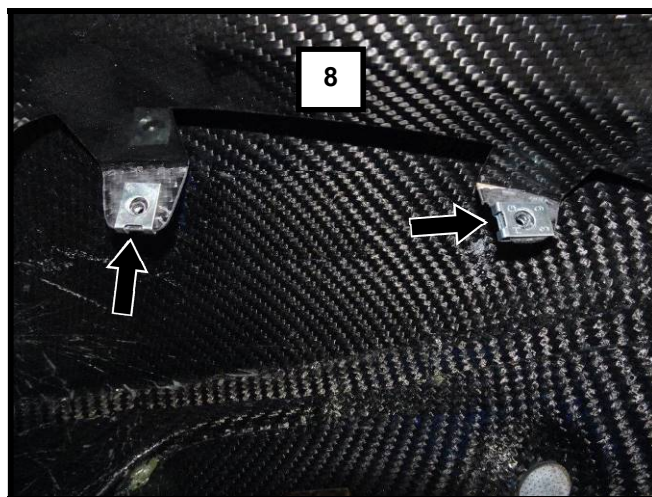


Fig. 13





# ASSEMBLY INSTRUCTIONS

## TECHART Sport Mirror Carbon for 992 Carrera

- 8 Glue the lighting (9) or the TECHART panel lighting (10) into the TECHART sport mirror (8).

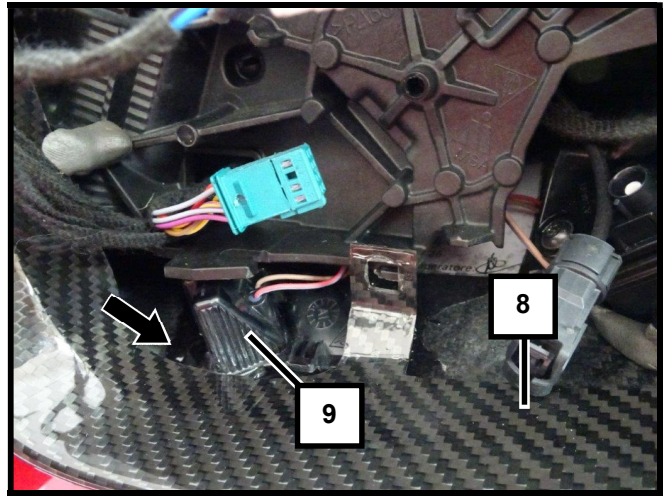


Fig. 14

- 9 Glue the TECHART bracket 092.121.851.200/1 (12) with the rivet 2.4x8 in to the TECHART Sport mirror (8).

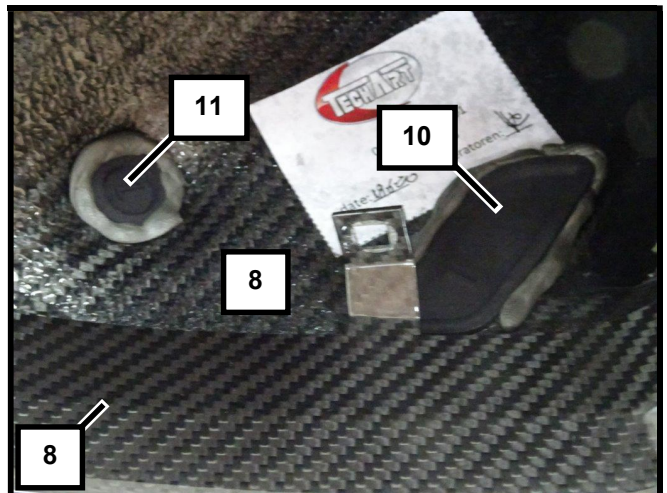


Fig. 15

- 10 Attach the TECHART sport mirror (8) with the screws 3.9x16 to the base frame (6). Do not tighten, yet.

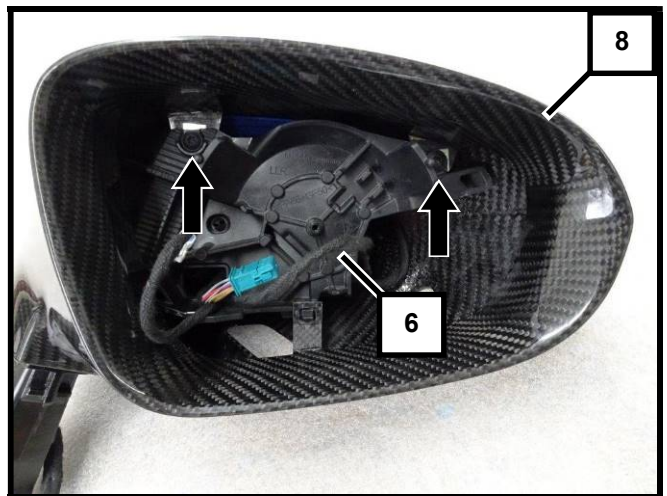


Fig. 16

- 11 Glue the camera with the housing (7) or the TECHART panel camera (11) (fig. 15) with PU-adhesive into the TECHART sport mirror (8).
- 12 Connect the servomotor and install.

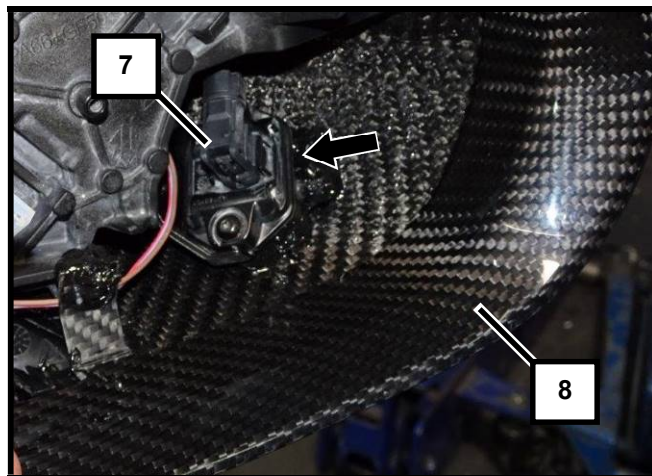


Fig. 17

- 13 Glue the TECHART die-cuts mirror base (12) to the TECHART sport mirror base 092.121.851.11\_ (13).

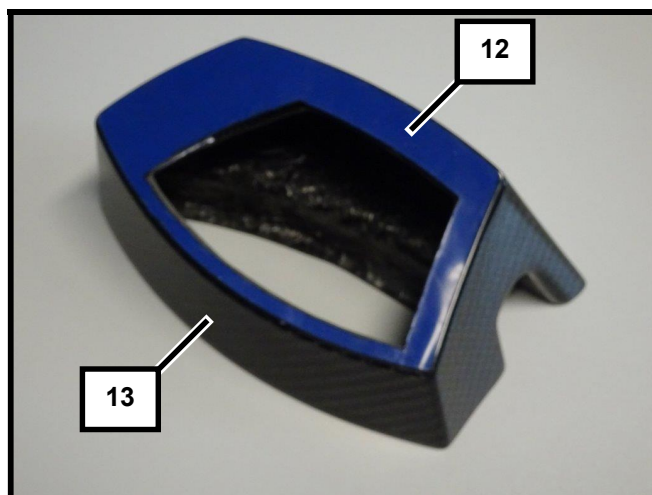


Fig. 18

- 14 Stick the TECHART foil for the Sport mirror 092.140.852.009 to the TECHART Sport mirror base 092.121.851.11\_ (13). The bonding surface must be free of grease.

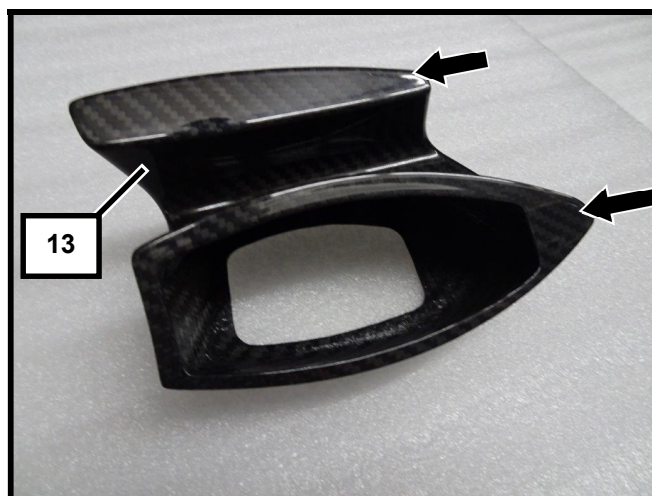


Fig. 19



# ASSEMBLY INSTRUCTIONS

## TECHART Sport Mirror Carbon for 992 Carrera

- 15 Attach the TECHART sport mirror base (13) to the TECHART base frame (6) and fix it with an adhesive tape to the TECHART sport mirror (8).

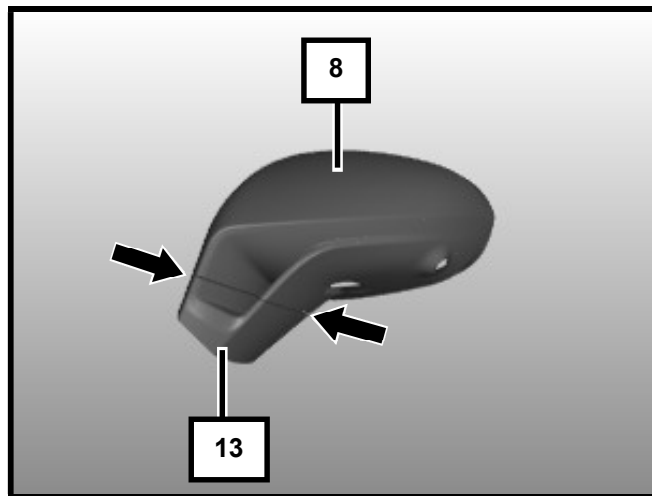


Fig. 20

- 16 Mount the complete TECHART sport mirror (8+13) with the base frame (6) to the vehicle, for this tie the cable or the string to the mirror cable and feed into the door. Then attach the TECHART sport mirror with the original screws (e) to the door, do not tighten, yet.

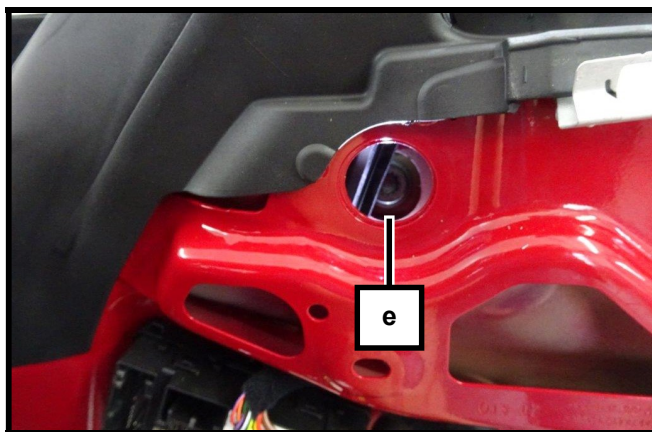


Fig. 21

- 17 Remove the fixing tape from the TECHART sport mirror base (13).
- 18 Align the complete TECHART sport mirror (8) and the TECHART sport mirror base (13) at the vehicle.

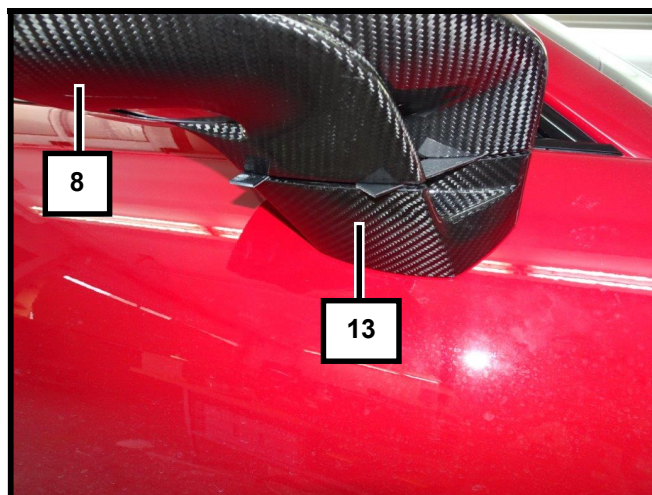


Fig. 22



- 19 Clip in the mirror glass (15).
- 20 Align the TECHART sport mirror (8) and the TECHART sport mirror base (13) in such way that there is an even gap around the mirror glass (15).

**i** **Alignment by:**  
Turning, sliding and moving the height of the base frame (6).

- 21 Turn the mirror glass (15) downwards and tighten both fixing screws on top.

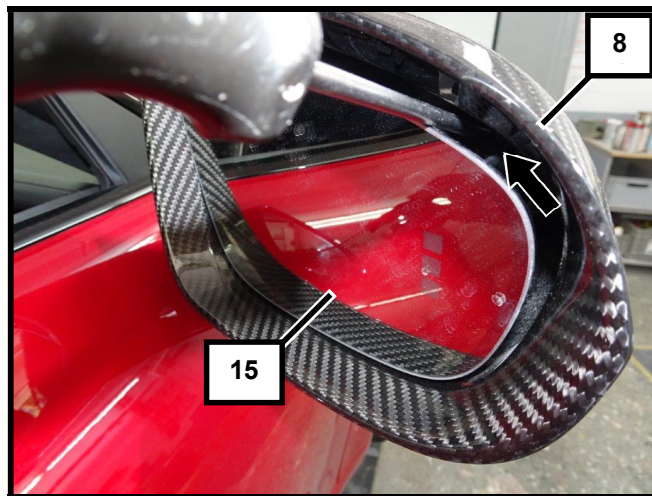


Fig. 23

- 22 Check again if the gaps fit.
- 23 Unclip the mirror glass (15).
- 24 Glue the lower bracket at the TECHART sport mirror (8) to the base frame (6) using PU-adhesive.
- 25 Use PU-adhesive to glue the base frame (6) to the lighting (9) or to the side.

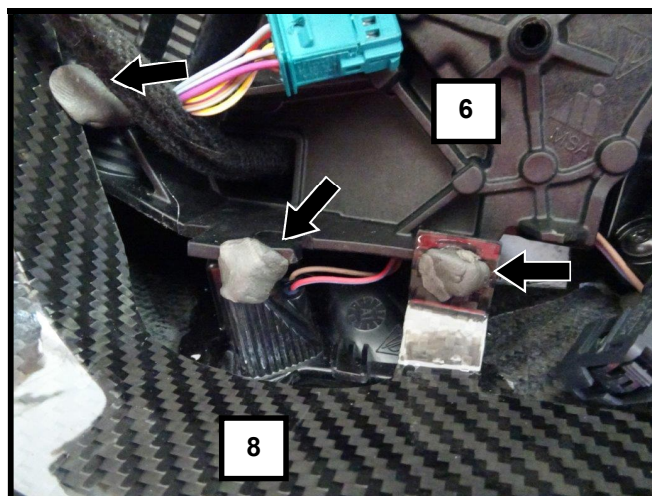


Fig. 24

**i** **Ensure an accurate fit. Allow to dry for at least 12 hours.**



# ASSEMBLY INSTRUCTIONS

## TECHART Sport Mirror Carbon for 992 Carrera

- 26 Loosen the base frame (6) from the vehicle, lift the TECHART sport mirror (8) and remove the protecting foil TECHART gluing die-cut mirror base (12) from the TECHART sport mirror base (13).
- 27 Install the TECHART sport mirror (8) and the TECHART sport mirror base (13) and tighten to the base frame (6).
- 28 Connect the mirror with the door electrically.
- 29 Connect the door panel driver's side electrically.
- 30 Perform a function check at the vehicle.
- 31 Install the door panel in reverse order.

## 4 Final Inspection

- 1 Perform a general function check on the vehicle.



# ASSEMBLY INSTRUCTIONS

**TECHART Sport Mirror Carbon for 992 Carrera**



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