

## **ASSEMBLY INSTRUCTIONS**

### **TECHART GTstreet R Coupe**

Part-no. 092.100.060.009

GTstreet R Coupe for 992 Turbo / Turbo S

Version 19 - 11/2023





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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.

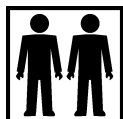
	<div data-bbox="657 562 960 618" data-label="Section-Header">  <b>WARNING</b> </div> <p>Vehicle lifts with an insufficient lifting capacity can collapse under the weight of the vehicle and crush any persons standing underneath.</p> <p>Compare the weight of the vehicle with the lifting capacity of your 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 data-bbox="657 857 960 913" data-label="Section-Header">  <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 data-bbox="657 1104 960 1160" data-label="Section-Header">  <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 data-bbox="595 1630 1098 1765">    </div>	  



 	<div data-bbox="659 342 962 405" style="background-color: yellow; border: 1px solid black; text-align: center; padding: 2px;">  <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 data-bbox="659 667 962 730" style="background-color: yellow; border: 1px solid black; text-align: center; padding: 2px;">  <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 data-bbox="304 947 592 1010" style="background-color: blue; color: white; text-align: center; padding: 2px;"><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 data-bbox="304 1126 592 1189" style="background-color: blue; color: white; text-align: center; padding: 2px;"><b>NOTICE</b></div> <p>All body parts must be prepared and painted in accordance with the attached painting guide.</p>	

## 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](mailto:support@techart.de)



**Check TECHART GTstreet R parts kit for completeness**

Quantity	Part number	Part name
<b>1</b>	<b>092.100.060.009</b>	<b>GTstreet R</b>
Consisting of:		
1	092100181100-03	Front apron, blank
1	092100181115-01	Towing hook cover, blank
1	092100181150-02	Main carrier, blank
1	092100181200	Canard right, blank
1	092100181201	Canard left, blank
1	092100181210-02	Air shaft right
1	092100181211-02	Air shaft left
1	092100181220	Panel at turn signal right, blank
1	092100181221	Panel at turn signal left, blank
1	092100181300	Bracket front part right
1	092100181301	Bracket front part left
2	092100181600	Panel w/o camera, black
1	092100185120	Rubber lip with "GTstreet" logo
1	092100185120-1	Gluing template for rubber lip "GTstreet"
1	092100185200	Air duct cooler center
1	092100185250	Bracket temperature sensor
1	092100185300	Panel lock cover right
1	092100185301	Panel lock cover left
1	092100185310	Grille Lock cover right
1	092100185311	Grille Lock cover left
1	092100250220CCC	Insert with "GTstreet R" logo fender R
1	092100250221CCC	Insert with "GTstreet R" logo fender L
1	092100250230	Grille air outlet fender right
1	092100250231	Grille air outlet fender left
1	092100357100	Side skirt right, blank
1	092100357101	Side skirt left, blank
1	092100585110	Heat protection panel tailpipe right
1	092100585111	Heat protection panel tailpipe left
1	092100785400	Grille for tailgate panel right
1	092100785401	Grille for tailgate panel left
2	092100885165-01	Air hose 57 x 700 mm
1	092100885500	Z-support
1	092121250100	Aero fender right
1	092121250101	Aero fender left
1	092121250200	Frame R, air outlet Fender
1	092121250201	Frame L, air outlet Fender
1	092121585100-01	Rear apron
1	092121585150-01	Main carrier rear apron



1	092121885100-01	Base frame
1	000310650100	Heat protection mat
1	000590502161	Cable tie 4.8x360mm black
1	00091089010073	Bond + Seal black 300 ml
1	000990108101	Paint instructions TECHART (PU)
1	000992000009	Certificate TECHART
1	9GT121288ZB	Air duct
1	9GT121629	Coolant line
1	9GT121630	Coolant line
1	092100181301	Holder front part left
1	092100181300	Holder front part right
1	092100181151	Panel w/o ACC, blank
<b>1</b>	<b>092121886990</b>	<b>Accessory kit rear spoiler supports</b>
Consisting of:		
1	092121885111	Adapter right
1	092100885113	Locking ring
1	001900M05X554762	Hexagon socket head screw, M 5x55, galvanized
1	001900M05X754762	Hexagon socket head screw, M 5x75, galvanized

<b>1</b>	<b>092100185990</b>	<b>Accessory kit front apron</b>
Consisting of:		
2	092100181206	Metal sheet parking sensor bracket
4	0001009999961	Collar screw for plastic PT50 x 25 pointed
6	0039004.2X951025	Sheet metal screw fillister head with Flange 4.2x9.5
6	0009002.9X9.5	Sheet metal screw fillister head, 2,9x9.5
1	000910949110	BETACLEAN 3300 8 ml
1	000910219252T	Betaprime 5404, 15ml
1	092140181009	Set stone protection foil front spoiler
1	00091094000015	BETAWIPE 4000, 15ml
1	00091093100080	ELCH Pro P1 1K-PU-adhesive, 80 ml tube
2	0039004.8X221025	Sheet metal screw fillister head with flange 4.8x22
4	0029004.8/19.0X12.7	Speed nut 19mm x 4.8mm
2	01090006X16X8	Washer, 6.3x16x8, plastic black
12	0039003913A2	Collar screw Torx 3.9x13, A2, black
12	00010000212622	Washer black 12.0/6.2/2.0
2	058100150101-01	Bracket sensor ParkAssist
1	00091089010073	Bond + seal black 300 ml
2	001900M04X12	Washer, 4.3x12x1.25
2	001900M046923	Nut self-locking M4, yellow galvanized
2	001900M4X121559	Screw fillister head w flange, M 4x12 black
4	000100999999	Collar screw for plastic PT 50 x 16 pointed



8	0009014,0X0,87337	Rivet countersunk head 4.0x8 aluminum/steel galvanized
2	086100130200	Bracket front spoiler I
2	00090150011522	Speed nut D4.8mm
2	0039004.8X131025	Sheet metal screw fillister head with flange 4.8x13
2	001900M05X15	Washer, M 5x15, galvanized

<b>1</b>	<b>092100196990</b>	<b>Accessory kit aero hood with shaft</b>
Consisting of:		
2	092100196200	Stopper
2	001900M06X50976	Threaded element M6x50 A2K
2	001900M06W379006	Speed nut with wave washer, M6, galvanized A2K
2	4609004631418	Sealing ring aluminum 14x18
0.3	000590770075	Cable 0.75 mm <sup>2</sup> black
0.3	0005907700759	Cable 0.75 mm <sup>2</sup> brown
0.2	000590770075	Cable 0.75 mm <sup>2</sup> black
0.2	0005907700759	Cable 0.75 mm <sup>2</sup> brown
8	0005905555160	Butt connector watertight transparent
1	00090118/15	Clamp18/15
1	00019000570616	Screw M6x16
1	001900M06986	Hexagon nut self-locking, M 6, galvanized
2	0005905616666	Cable sleeve double-sided
1	092100185400	Bracket horn
2	001900M06X12 274	Screw self-locking M6X12 galvanized blue passivated
2	00091089010031	Bond + Seal black, tube 70ml
1	000910219252T	Betaprime 5404, 15ml
0.03	0009108754102	Sealing tape, 10 x 2mm, 12.5m
2	95557374901	O-Seal
1	PAB260749	O-Seal
1	092100150990	Bearing pin accessory kit
2	00091003688	Hexagon nut self-locking, M 8
2	000901M57812	Hexagon screw, M 8x12

<b>1</b>	<b>092100250990</b>	<b>Accessory kit fender</b>
Consisting of:		
1	092100250400	Washer wheel arch front
3	00091089010073	Bond + Seal black 300 ml
2	000910219252T	Betaprime 5404, 15ml
0.3	000901895501440	Vacuum hose, 14x22mm
8	00090150053312	Speed nut M6
2	001900M06W379006	Speed nut with wave washer, M6, galvanized A2K
2	001900M06986	Hexagon nut left-locking, M 6, galvanized
10	000590502241	Cable tie with tongue 4.5x290mm



2	001900M05X20	Washer 5.3x20x1.25mm
3	0039004.8X251025	Sheet metal screw fillister head with flange 4.8x25
2	0029004.8/19.0X12.7	Speed nut 19mm x 4.8mm
40	000590501103035	Plastic expanding rivet (5.5-6.4MM)
14	001900M06X20	Washer DIN 522, 6.4x20x1.25mm, galvanized
3	PAF009011	Screw

<b>1</b>	<b>092100357990</b>	<b>Accessory kit side skirt</b>
Consisting of:		
26	000590501103035	Plastic expanding rivet (5.5-6.4MM)
1	092140357009	Set stone protection foil side skirt

<b>1</b>	<b>092100585990</b>	<b>Accessory kit rear apron</b>
Consisting of:		
22	001900M570512	Hexagon screw M5x12
22	0089003695	Hexagon nut self-locking M5
48	001900M05X15	Washer, M 5x15, galvanized
4	058100150101-01	Bracket sensor ParkAssist
12	000590502121	Cable ties 3.6x140mm black
6	001900M5X16A2KTX	Cylinder head screw M5x16 A2K TX25
2	001900M5X16A2KTX	Cylinder head screw M5x16 A2K TX25
10	001900M05X15A2	Washer M 5x15, A2, DIN 9021
2	001900M1012	Washer, M12, galvanized
15	9A700769800	Sheet metal screw
2	070100552220	Bracket sheet, front
2	092100181406	Bracket front apron "6"
3	0009014,8X107337	Rivet truss head 4,8x10 aluminum
1	00091089010073	Bond + seal black 300 ml
4	000190040705	Washer M5
1	000900SM1B15M5X16	BIGHEAD SM1/B15 M5x16, INOX A4
4	000100100101	Adhesive tape for parking sensor bracket
<b>1</b>	<b>092100586990</b>	<b>Accessory Kit heat protection, rear apron</b>
Consisting of:		
4	001900M06X20	Washer DIN 522, 6.4x20x1.25mm, galvanized
2	001900M6X20	Spacer sleeve 6-Kt. M6 x 20
4	N91242501	Snap nut
4	9A700769800	Sheet metal screw
2	001900M6X16A2KTX	Cylinder head screw M6x16 A2K TX30
2	000100999992	Double U-bracket for U-protection
1	092100585500	Template heat protection
2	092100585600	Aluminum fiberglass adhesive tape



<b>1</b>	<b>092100600990</b>	<b>Accessory kit roof spoiler</b>
Consisting of:		
1	00091089010031	Bond + Seal black, tube 70ml
1	00087108614	VARIOPRIME Safe+Easy (black)

<b>1</b>	<b>092100785990</b>	<b>Accessory kit tailgate panel</b>
Consisting of:		
5	00090150053312	Speed nut M6
5	001900M6X127380A2	Screw fillister head with flange M 6x12 / A2
1	092100785201ZB	Set Bracket for tailgate panel
1	0009108935004	2K-Plastic glue, 50ml

<b>1</b>	<b>092100885990</b>	<b>Accessory kit rear spoiler</b>
Consisting of:		
1	092100885401-01	Guide at profile left
1	092100885400-01	Guide at profile right
5	001900M05X20	Washer 5.3x20x1.25mm
2	001900M5X16A2KTX	Cylinder head screw M5x16 A2K TX25
2	001900M05X15A2	Washer M 5x15, A2, DIN 9021
4	000900M06,5X20X3	Washer rubber, 6.5x20x3mm
4	001900M06X107380	Hexagon socket head screw, M 6x10, flange bk galv.
4	00090010360835	Hexagon screw with flange M 8x35 A2K
10	001900M06X12 274	Screw self-locking M6X12 galvanized blue passivated
4	00090140-60	Clamp hose 40-60
6	001900M03685	Hexagon nut self-locking, M 5 galvanized
6	001900M05X15	Washer M 5x15, galvanized
1	092100885300-01	Support top right
1	092100885301-01	Support top left
1	092100885310-01	Support bottom rear right
1	092100885311-01	Support bottom rear left
1	092100885320-01	Support bottom front right
1	092100885321-01	Support bottom front left
2	001900M6X12A2KTX	Cylinder head screw M6x12 A2K TX30
2	001900M10125	Washer, M10, galvanized
1.1	000100120300	Edge protection profile, inner dimension 1.2 mm, external dimension 3.0



**Part set options**

<b>1</b>	<b>+92.100.060.000</b>	<b>V00: Badge of Authenticity w Production no. "XX"</b>
Consisting of:		
1	092965060100ZB	Badge "GTstreet R"

<b>1</b>	<b>+92.100.060.011</b>	<b>V01: Carbon Parts Forged glossy</b>
Consisting of:		
1	092121185110FCG	Front spoiler, Forged glossy
1	092121185170FCG	Insert bottom right, Forged glossy
1	092121185171FCG	Insert bottom left, Forged glossy
1	092121185172FCG-01	Insert bottom center, Forged glossy
1	092121198100FCG	Aero hood with shaft, Forged glossy
1	092121250210FCG	Louvers panel fender, Forged glossy
1	092121250300FCG	Extension front right, Forged glossy
1	092121250301FCG	Extension front left, Forged glossy
1	092121357110FCG	Insert side skirt right, Forged glossy
1	092121357111FCG	Insert side skirt left, Forged glossy
1	092121480100FCG	Carbon air intake right, Forged glossy
1	092121480101FCG	Carbon air intake left, Forged glossy
1	092121450300FCG	Extension rear right, Forged glossy
1	092121450301FCG	Extension rear left, Forged glossy
1	092121585125FCG	Diffusor, Forged glossy
1	092121585170FCG	Insert rear apron, Forged glossy
1	092121600100FCG	Roof spoiler carbon, Forged glossy, blank
1	092121785100FCG	Tailgate panel, Forged glossy
1	092121885140FCG	Air duct center, Forged glossy
1	092121885160FCG	Air duct right, Forged glossy
1	092121885161FCG	Air duct left, Forged glossy
1	092121885200FCG	Profile top, Forged glossy
1	092121885205FCG	Profile bottom, Forged glossy
1	092121885220FCG	Rear spoiler panel right, Forged glossy
1	092121885221FCG	Rear spoiler panel left, Forged glossy
1	092121885210	Set carbon rear wing support R & L, finished
1	092128821998	Paint carbon set rear wing support



or

<b>1</b>	<b>+92.100.060.012</b>	<b>V01: Carbon Parts Forged matt</b>
Consisting of:		
1	092121185110FCM	Front spoiler, Forged matt
1	092121185170FCM	Insert bottom right, Forged matt
1	092121185171FCM	Insert bottom left, Forged matt
1	092121185172FCM-01	Insert bottom center, Forged matt
1	092121198100FCM	Aero hood with shaft, Forged matt
1	092121250210FCM	Louvers Panel fender, Forged matt
1	092121250300FCM	Extension front right, Forged matt
1	092121250301FCM	Extension front left, Forged matt
1	092121357110FCM	Insert side skirt right, Forged matt
1	092121357111FCM	Insert side skirt left, Forged matt
1	092121480100FCM	Carbon air intake right, Forged matt
1	092121480101FCM	Carbon air intake left, Forged matt
1	092121450300FCM	Extension rear right, Forged matt
1	092121450301FCM	Extension rear left, Forged matt
1	092121585125FCM	Diffusor, Forged matt
1	092121585170FCM	Insert rear apron, Forged matt
1	092121600100FCM	Roof spoiler carbon, Forged matt, blank
1	092121785100FCM	Tail gate panel, Forged matt
1	092121885140FCM	Air duct center, Forged matt
1	092121885160FCM	Air duct right, Forged matt
1	092121885161FCM	Air duct left, Forged matt
1	092121885200FCM	Profile top, Forged matt
1	092121885205FCM	Profile bottom, Forged matt
1	092121885220FCM	Rear spoiler panel right, Forged matt
1	092121885221FCM	Rear spoiler panel left, Forged matt
1	092121885210	Set carbon rear wing support R & L, finished
1	092128821998	Paint carbon set rear wing support



or

<b>1</b>	<b>+92.100.060.001</b>	<b>V01: Carbon Parts glossy</b>
Consisting of:		
1	092121185110G-01	Front spoiler, glossy
1	092121185170G-01	Insert bottom right, glossy
1	092121185171G-01	Insert bottom left, glossy
1	092121185172G-02	Insert bottom center, glossy
1	092121181180G	Carbon top insert front, glossy
1	092121198100G-01	Aero hood with shaft, glossy
1	092121250210G	Louvers panel fender, glossy
1	092121250300G-01	Extension front right, glossy
1	092121250301G-01	Extension front left, glossy
1	092121357110G-01	Insert side skirt right, glossy
1	092121357111G-01	Insert side skirt left, glossy
1	092121480100G	Carbon air intake right, glossy
1	092121480101G	Carbon air intake left, glossy
1	092121450300G-01	Extension rear right, glossy
1	092121450301G-01	Extension rear left, glossy
1	092121585125G-01	Diffusor, glossy
1	092121585170G-01	Insert rear apron, glossy
1	092121600100G	Roof spoiler carbon, glossy, blank
1	092121785100G	Tail gate panel, glossy
1	092121885140G-01	Air duct center, glossy
1	092121885160G-01	Air duct right, glossy
1	092121885161G-01	Air duct left, glossy
1	092121885200G-01	Profile top, glossy
1	092121885205ZBG-01	Profile bottom incl. rear spoiler panel, glossy
1	092121885210G	Set carbon rear wing support R&L, glossy



or

<b>1</b>	<b>+92.100.060.002</b>	<b>V01: Carbon Parts matt</b>
Consisting of:		
1	092121185110M-01	Front spoiler, matt
1	092121185170M-01	Insert bottom right, matt
1	092121185171M-01	Insert bottom left, matt
1	092121185172M-02	Insert bottom center, matt
1	092121181180M	Carbon top insert front, matt
1	092121198100M-01	Aero hood with shaft, matt
1	092121250210M	Louvers panel fender, matt
1	092121250300M-01	Extension front right, matt
1	092121250301M-01	Extension front left, matt
1	092121357110M-01	Insert side skirt right, matt
1	092121357111M-01	Insert side skirt left, matt
1	092121480100M	Carbon air intake right, matt
1	092121480101M	Carbon air intake left, matt
1	092121450300M-01	Extension rear right, matt
1	092121450301M-01	Extension rear left, matt
1	092121585125M-01	Diffusor, matt
1	092121585170M-01	Insert rear apron, matt
1	092121600100M	Roof spoiler carbon, matt, blank
1	092121785100M	Tail gate panel, matt
1	092121885140M-01	Air duct center, matt
1	092121885160M-01	Air duct right, matt
1	092121885161M-01	Air duct left, matt
1	092121885200M-01	Profile top, matt
1	092121885205ZBM-01	Profile bottom incl. rear spoiler panel, matt
1	092121885210M	Set carbon rear wing support R&L, matt



<b>1</b>	<b>+92.100.060.021</b>	<b>V02: Vehicle with Remote ParkAssist, Carbon glossy</b>
Consisting of:		
1	092121185210G-01	Flap right, glossy
1	092121185211G-01	Flap left, glossy
2	000100150200	Bracket parking sensor
1	092100185220	Housing parking sensor front right
1	092100185221	Housing parking sensor front left
1	092121585310G-01	Extension rear right, glossy
1	092121585311G-01	Extension rear left, glossy
2	058100150101-01	Bracket sensor ParkAssist
2	000100150240	Adhesive backing for bracket parking sensor
1	092100185240	Adhesive backing for housing parking sensor front right
1	092100185241	Adhesive backing for housing parking sensor front left

or

<b>1</b>	<b>+92.100.060.022</b>	<b>V02: Vehicle with Remote ParkAssist, Carbon matt</b>
Consisting of:		
1	092121185210M-01	Flap right, matt
1	092121185211M-01	Flap left, matt
2	000100150200	Bracket parking sensor
1	092100185220	Housing parking sensor front right
1	092100185221	Housing parking sensor front left
1	092121585310M-01	Extension rear right, matt
1	092121585311M-01	Extension rear left, matt
2	058100150101-01	Bracket sensor ParkAssist
2	000100150240	Adhesive backing for bracket parking sensor
1	092100185240	Adhesive backing for housing parking sensor front right
1	092100185241	Adhesive backing for housing parking sensor front left



or

<b>1</b>	<b>+92.100.060.031</b>	<b>V02: Vehicle with Remote ParkAssist, Forged glossy</b>
Consisting of:		
1	092121185210FCG	Flap right, Forged glossy
1	092121185211FCG	Flap left, Forged glossy
2	000100150200	Bracket parking sensor
1	092100185220	Housing parking sensor front right
1	092100185221	Housing parking sensor front left
1	092121585310FCG	Extension rear right, Forged glossy
1	092121585311FCG	Extension rear left, Forged glossy
2	058100150101-01	Bracket sensor ParkAssist
2	000100150240	Adhesive backing for bracket parking sensor
1	092100185240	Adhesive backing for housing parking sensor front right
1	092100185241	Adhesive backing for housing parking sensor front left

or

<b>1</b>	<b>+92.100.060.032</b>	<b>V02: Vehicle with Remote ParkAssist, Forged Carbon matt</b>
Consisting of:		
1	092121185210FCM	Flap right, Forged matt
1	092121185211FCM	Flap left, Forged matt
1	000100150200	Bracket parking sensor
1	092100185220	Housing parking sensor front right
1	092100185221	Housing parking sensor front left
1	092121585310FCM	Extension rear right, Forged matt
1	092121585311FCM	Extension rear left, Forged matt
1	058100150101-01	Bracket sensor ParkAssist
1	000100150240	Adhesive backing for bracket parking sensor
1	092100185240	Adhesive backing for housing parking sensor front right
1	092100185241	Adhesive backing for housing parking sensor front left

or

<b>1</b>	<b>+92.100.060.041</b>	<b>V02: Vehicle w/o Remote ParkAssist, Carbon glossy</b>
Consisting of:		
1	092121185200G-01	Flap right, glossy
1	092121185201G-01	Flap left, glossy
1	092121585300G-01	Extension rear right, glossy
1	092121585301G-01	Extension rear left, glossy



or

<b>1</b>	<b>+92.100.060.042</b>	<b>V02: Vehicle with Remote ParkAssist, Forged matt</b>
Consisting of:		
1	092121185200M-01	Flap right, matt
1	092121185201M-01	Flap left, matt
1	092121585300M-01	Extension rear right, matt
1	092121585301M-01	Extension rear left, matt

or

<b>1</b>	<b>+92.100.060.051</b>	<b>V02: Vehicle w/o Remote ParkAssist, Forged glossy</b>
Consisting of:		
1	092121185200FCG	Flap right, Forged glossy
1	092121185201FCG	Flap left, Forged glossy
1	092121585300FCG	Extension rear right, Forged glossy
1	092121585301FCG	Extension rear left, Forged glossy

Or

<b>1</b>	<b>+92.100.060.052</b>	<b>V02: Vehicle w/o Remote ParkAssist, Forged matt</b>
Consisting of:		
1	092121185200FCM	Flap right, Forged matt
1	092121185201FCM	Flap left, Forged matt
1	092121585300FCM	Extension rear right, Forged matt
1	092121585301FCM	Extension rear left, Forged matt



<b>1</b>	<b>+92.100.060.061</b>	<b>V03: Vehicles with night vision camera</b>
Consisting of:		
1	992955453B	Water tank
<b>1</b>	<b>092100130990</b>	<b>Accessory kit night vision camera</b>
1	092100181406-01	Bracket front apron "6"
2	092100181407	Bracket front apron "7"
3	001900M5X16A2KTX	Cylinder head screw M5x16 A2K TX25
3	000100999999	Collar screw for plastic PT 50 x 16 pointed
0,1	0009018955165	PVC-hose transp. 6.0 x 8.4
1,5	00090177199008	Insulating corrugated tube, 8.5 mm
2	000910541100	One ear clamp A2-B7.4-D10-(8-9.5)
1	9997034434001C	Plug
3	001900M05	Speed nut, M 5
2	000590502141	Cable tie 4.8x178mm black
1	000590502131	Cable tie 3.6x200mm black
1	0005905630000628	Adhesive base black

or

<b>1</b>	<b>+92.100.060.062</b>	<b>V03: Vehicles w/o night vision camera</b>
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<b>1</b>	<b>+92.100.060.070</b>	<b>V04: Set stone protection glossy</b>
Consisting of:		
1	092140185100G	Set stone protection foil front spoiler glossy
1	092140357100G	Set stone protection foil side skirt glossy
1	092140480100G	Set stone protection foil air intake glossy
1	092140585100G	Set stone protection foil rear apron glossy

or

<b>1</b>	<b>+92.100.060.071</b>	<b>V04: Set stone protection matt</b>
Consisting of:		
1	092140185100M	Set stone protection foil front spoiler matt
1	092140357100M	Set stone protection foil side skirt matt
1	092140480100M	Set stone protection foil air intake matt
1	092140585100M	Set stone protection foil rear apron matt

Please use the table to check whether you have all the necessary parts.

After removing the parts from the original packaging, ensure that they are handled and stored properly.



## III Component identification

### 1 Inner component identification

- i** The inner component designations applied by TECHART must be masked off before painting. These are decisive to TECHART-Support for possible component tracking, complaints or in the event of damage.

- 1 Internal component markings can either be applied directly to the component in the tool or glued in as a label.



Fig. 01

### 2 Outer component identification

- i** The external component designations applied by TECHART must be masked off before painting. If the external component markings are no longer visible, the component certificate may lose its validity.

- 1 External component identifications are usually attached to the underside of the component in the non-visible area. These can be used as evidence at a traffic control or a technical service since this is a registered TECHART part.



Fig. 02



### 3 Label for proof of installation

**i** The labels supplied by TECHART to prove that a TECHART part has been installed must be attached as described below. If the label is not stuck to the car when the TECHART component is installed, the component certificate may lose its validity. Affects components that have no external component identification.

- 1 Labels of a component mounted on the vehicle in front of the B-pillar must be stuck on the inside of the left B-pillar, visible from the front.
- 2 If the component is attached behind the B-pillar, the label is stuck on the inside of the left B-pillar, visible from the rear (see Fig. 03).



Fig. 03



## **IV Paintwork**

### **1 Material of the component**

** It is important that the paintwork matches to the surface which will be painted**

- 1 Before painting, the material to be painted can be read from the inner component identification.

### **2 Component identification**

** All internal and external component identifications must be masked off before painting. These must still be readable after painting in custom color.**

- 1 The last layer of clear lacquer can then be applied over the entire surface of the component, in this way deep edges around component identifications can be avoided.

### **3 Adhesive tape and mounting fixtures**

** The body tape applied by TECHART is used for later assembly and must be protected over the entire surface before painting.**

- 1 The edges of the adhesive body tape must also be free of paint in order not to impair the elasticity of the tape.
- 2 Drilled holes made at the factory that will later be used for screws or rivets may have to be re-drilled to the nominal size depending on the amount of paint.



**V Prepare parts prior to painting****1 Front apron / main carrier front / rear apron top part**

**i** The following work must be carried out prior to painting.

- 1 The side bar of the front apron must be cut off and sanded flat.

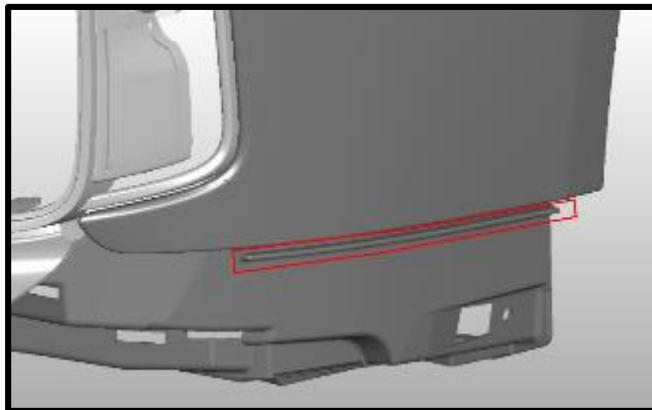


Fig. 04

- 2 Drill through the six drilling points on the left and right on the inner side wall of the front apron with a 5mm drill.
- 3 For vehicles with Porsche Remote ParkAssist, the crack on the side wall of the front apron must be cut out on the left and right.



Fig. 05



- 4 For vehicles with a surrounding camera, cut out the outline in the main carrier of the front apron.



Fig. 06

- 5 For vehicles with night vision assistant, the 8 mm hole (red arrow) and the crack for the spray nozzle (black arrow) must be made.

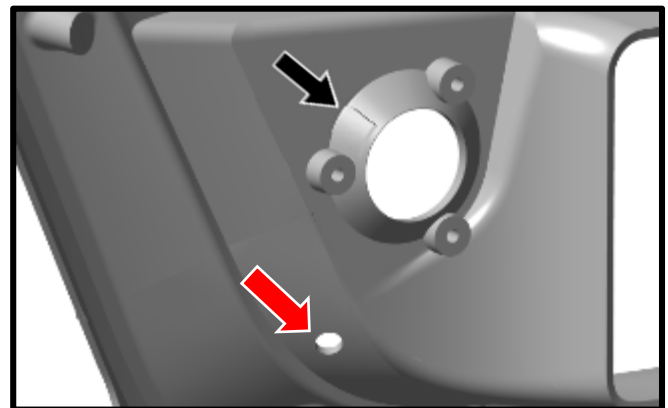


Fig. 07

- 6 For vehicles with rearview camera, it must be integrated in the rear apron in the middle between the cut-outs of the license plate light before the component is painted.
- 7 For vehicles with Porsche Remote ParkAssist, a cutout must be marked on the side as described below and removed from the rear apron.



- 8 Notch the PU parts of the side skirt on the front face as shown in the adjacent picture before painting.

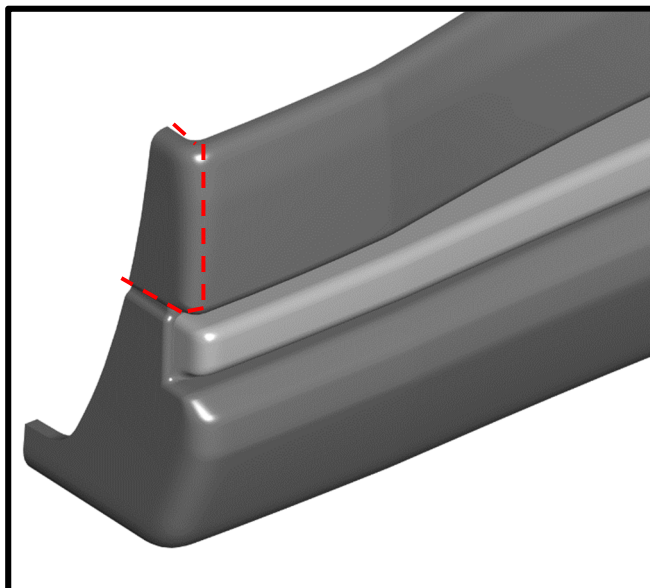


Fig. 08a

- 9 For vehicles with Porsche Remote ParkAssist, the housings supplied can be painted. After installation, the component can be seen behind the side flap.

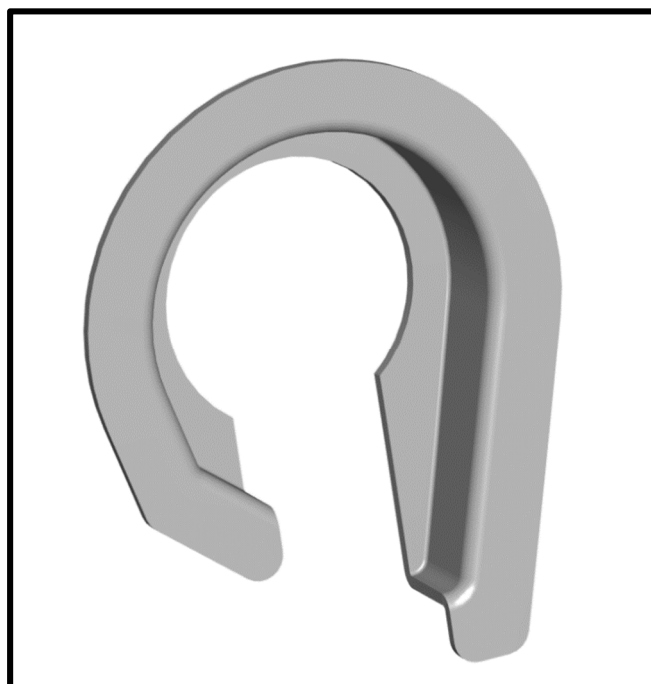


Fig. 08b



## VI Installation

### 1 Prepare vehicle

**i** Before starting work, check that the vehicle is free from defects. Use the PIWIS system tester to read out all the fault memories of the individual vehicle components and first rectify any faults displayed.

- 1 Extend the rear spoiler to the upper position by pressing the symbol on the touchscreen.
- 2 Switch off the ignition.

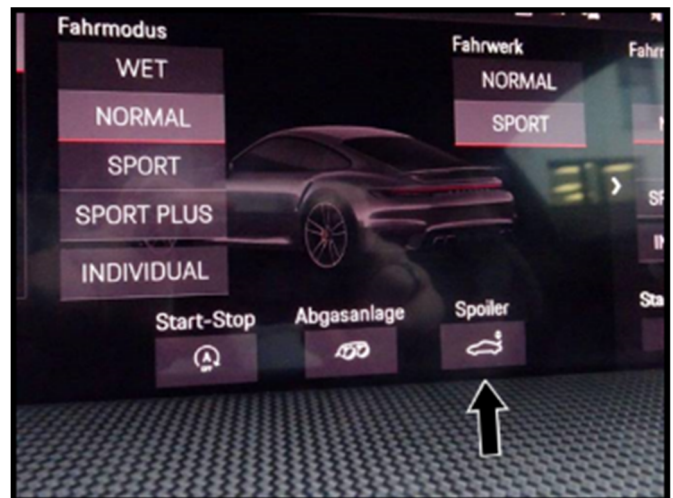


Fig. 09

#### 1.1 Remove wheels

- 1 Raise vehicle at the factory-fitted jacking points.
- 2 Detach the wheels.



**1.2 Detach original front panel**

- 1 Open front flap.
- 2 Dismantle PU-cover of the battery.
- 3 Unclip side PU-cover.
- 4 Detach PU-cover around hood lock.



Fig. 10

- 5 Unscrew the top fixing screws (2) from the front apron (1)
- 6 Remove the retaining clips (see arrows) between the headlights and front flap towards the flap.
- 7 Unscrew all screws of the inner wheel house panel.
- 8 Dismantle the inner wheel house panel incl. brake air duct.

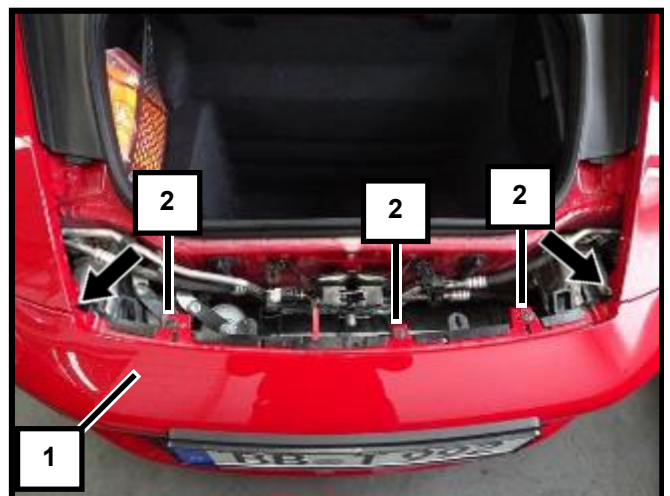


Fig. 11

- 9 Unscrew the fixing screws (3) at the vehicle's bottom side and the brake air duct.
- 10 Detach lower airduct.

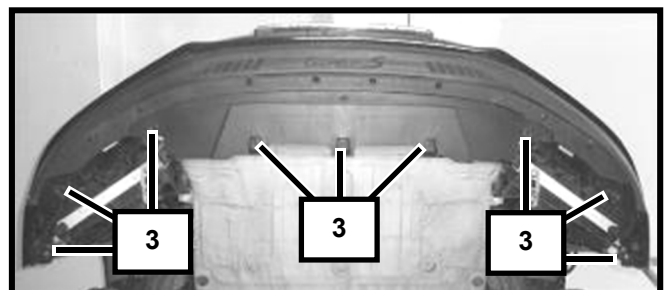


Fig. 12



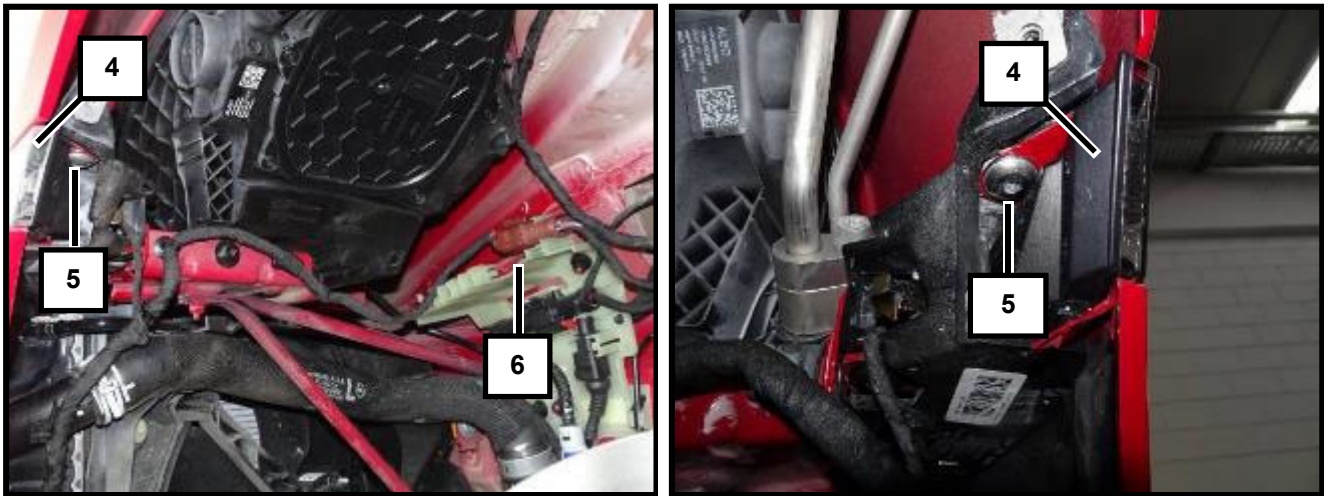


Fig. 13

- 11 Remove side-mounted turn signal (4).
- 12 Unscrew mounting bolts (1 each side) (5) from the side of the wheel arch.
- 13 Disconnect electrical connection (6) on right and left of wheel arch at the headlight console.
- 14 Remove vacuum hoses.
- 15 Unhinge the original front apron on the side and remove towards the front.
- 16 Dismantle the wiring harness, combination lamp, sensors and antenna from the front apron. Unscrew the spoiler and unclip. Unscrew the active front spoiler incl. vacuum lines and unclip.



Fig. 14



- 17 Dismantle the original bracket at the outside of the cooler.



Fig. 14b

**i** Original front apron and front spoiler are no longer required.



### 1.3 Trim impact beam foam

- 1 Cut the disassembled impact beam foam according to the following figure. The area marked in color and dashed in the illustration must be removed.

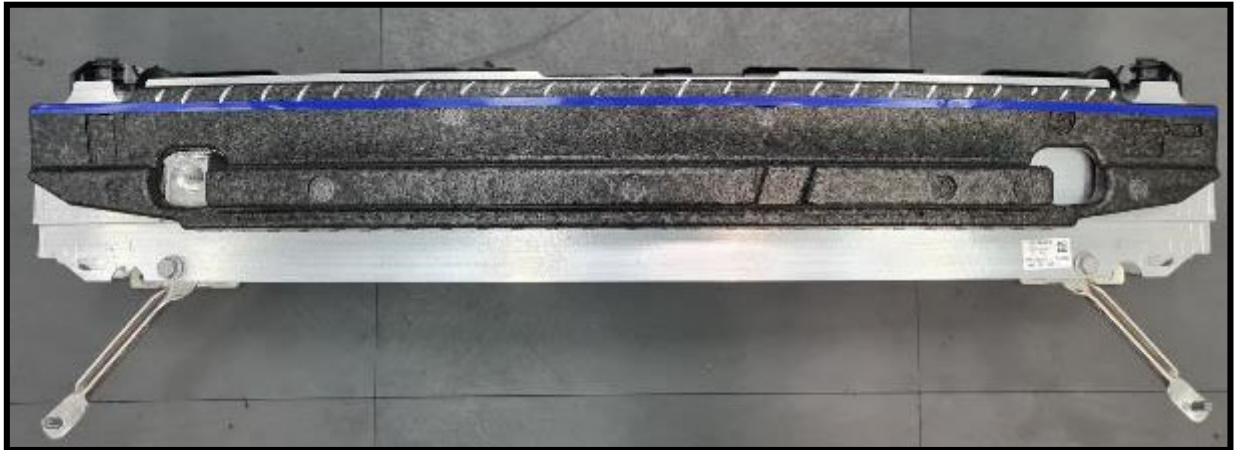


Fig. a



#### 1.4 Install reinforcement holder front

- 1 Disassemble the plastic holder and cut off the plastic lugs as marked in the picture below. Then reassemble the component.



Fig. b

- 2 Attach the front part holders left and right 092.100.181.300/301 included in the front apron accessory kit to the bottom of the plastic retaining strip on the fenders.
- 3 To do this, align and fix the holders to the plastic retaining strip using clamps.
- 4 The holes in the sheet metal holder must be transferred to the plastic part using a 4.0 mm or 4.2 mm drill. Caution, do not drill upwards through the fender. Make sure that the holes are drilled between the ribs on the inside of the plastic part.
- 5 Next, rivet the front part holder to the original part from below using the supplied blind rivets and a suitable riveting tool.



Fig. c





Fig. d

- 1 Screw the main carrier of the front apron into the front apron. Do not glue, the front apron will be mounted afterwards.
- 2 Fit the front apron onto the car as a blank. The transition between the fenders and the front apron can then be aligned.
- 3 Tighten the front apron on the outside at the bottom at the screw points to the radiator console.
- 4 By loosening the three screws on the front fender retaining strips, you can adjust the transition between the front apron and the fender. Tighten the screws after the adjustment.
- 5 Once the transition has been adjusted, the main carrier and the front apron can be dismantled again and assembly can begin.

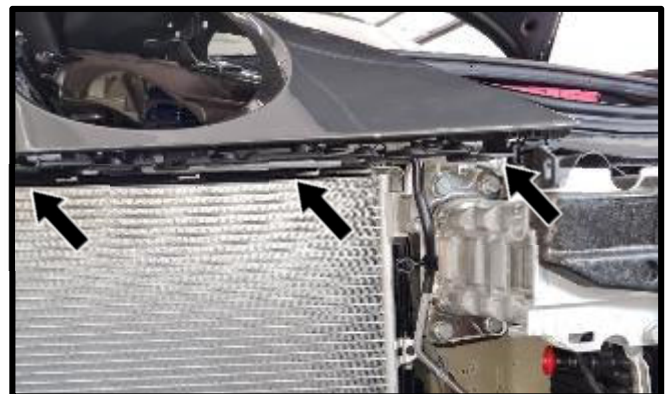


Fig. e



### 1.5 Dismantle the original trunk hood

- 1 Dismantle the bolts of the catch hook and remove it.
- 2 Dismantle the Porsche hood emblem by removing the cutting nuts from the inside.
- 3 Remove the spray nozzles by unclipping them.
- 4 Unclip the cover caps of the hinges and remove the water hose from the hood.
- 5 Remove the nuts on the hood hinge and take off the hood.

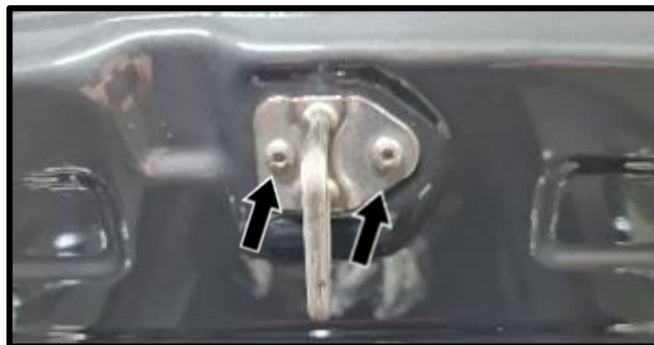


Fig. 15



**Original hood and hood emblem are no longer required.**



## 1.6 Remove original fender

- 1 Disconnect the electrical plug connections on the headlight and unclip the cables.
- 2 Remove headlights by loosening both screws in the wheel housing.
- 3 Empty the air conditioning system according to the manufacturer's instructions.
- 4 Loosen the air conditioning line (condenser to dryer) on the air conditioning condenser on the right at the separation point in the headlight cutout and on the dryer in the inner wheel arch. Described in the figure below.
- 5 Unclip the tank lid including the housing from the inside of the fender and remove it to the outside.
- 6 Remove the air conditioner dryer from the bracket.



**Close all open air-conditioning connections and protect against contamination.**



Fig. 16



- 7 Separate the fuel filler neck from the body by removing two screws.



Fig. 17

- 8 Remove the washing water container and the filler neck by loosening two screws.
- 9 Loosen and remove the fender by unscrewing all screws. Dismantle all attachment parts of the fender. Remove the retaining strips for the front section and side turn signal, crash sensors above the headlight position, and the door covers and put them aside.

**i** Original fenders are no longer needed.



**1.7 Detach original rear apron**

- 1 Remove the screws below the rear spoilers and remove it.



Fig. 18

- 2 Open the engine service flap by using the switch in the front entrance.
- 3 Remove the engine cover by removing the oil filler cap. Replace the oil filler cap immediately.
- 4 Disconnect the electrical plug connections of the rear spoiler carrier plate and the centered brake light.
- 5 Dismantle the original base body as follows:
- 6 Remove the three screws in the front area.
- 7 Pull the main body to the rear out of the anchorage.
- 8 Remove the main body towards the top.
- 9 Unscrew the strip lighting fixture, pull it out and separate both electrical connections.

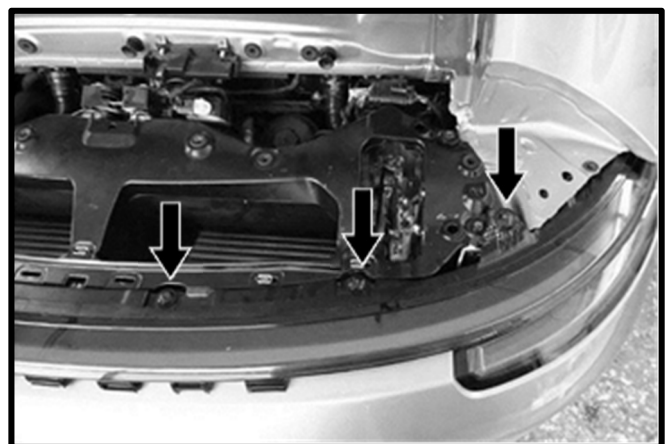


Fig. 19



- 10 Unscrew the taillamp and disconnect the electrical connection.
- 11 Unscrew the screws of the rear apron on the top.
- 12 Unscrew the screws of the rear apron in the wheel house. For that loosen the inner wheel house panel.
- 13 Unscrew the screws of the rear apron on the bottom.
- 14 Separate the electrical connections of the rear apron in the area of the taillights.
- 15 Remove the rear apron towards the rear.
- 16 Remove the original rear lettering and reflectors, these will be needed again later for assembly.
- 17 Dismantle wiring harnesses, sensors, rearview camera, license plate light, speed nuts from the rear apron and store them.



Fig. 20



**The original rear apron bottom is no longer needed.**



### 1.8 Dismantle rear end

- 1 Dismantle the rear spoiler kinematics from the vehicle by removing all four M8 screws and removing the carrier.
- 2 Dismantle the rear impact beam.
- 3 Remove the left air filter unit.
- 4 Loosen both clamps and straps from the catalytic converter to the rear muffler.
- 5 Unclip the plugs of the servomotors on the rear muffler.
- 6 Loosen the left catalytic converter by loosening the clamp and the two screws on the bracket for the turbocharger.
- 7 Have a second mechanic to hold the catalytic converter and remove the rear muffler. Make sure that the lambda sensors are not damaged.
- 8 Replace the sealing ring in the turbocharger and attach the catalytic converter with the clamp but do not tighten it yet.
- 9 Process the retaining plate of the tensioning straps of the rear muffler as shown.
- 10 The lower tabs must be cut off as shown.

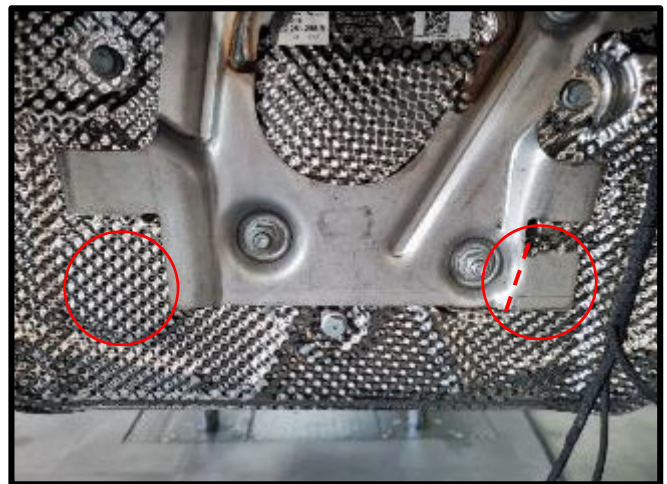


Fig. 21



- 11 Dismantle the impact foam, the two struts on the heat shield and the heat shield (black arrows). These parts are no longer required.
- 12 Cut the two bolts flush on the underside of the air duct (red arrows).

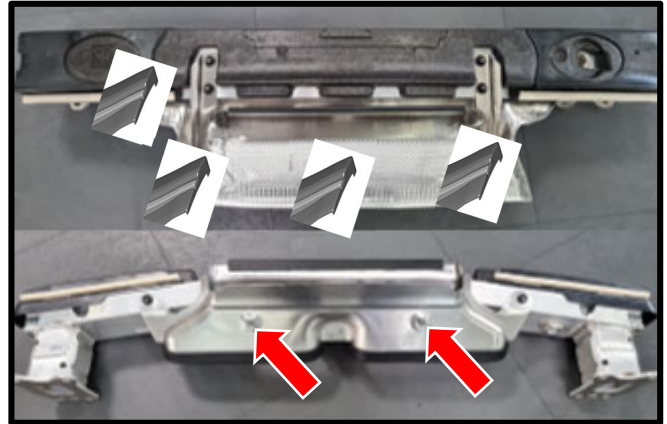


Fig. 23

- 13 Dismantle the upper plastic panel on the motor cover, to do this unclip the two covers on the left and right, remove the screws. Unclip the plastic panel from the engine cover, this part is no longer required.
- 14 Remove the motor cover by loosening the screws on the hinge.



Fig. 24

- 15 The engine cover will be reinstalled later.
- 16 On the Coupe, dismantle the centered brake light and the wiring harness from the original body. To do this, remove the two nuts from the inside and take off the brake light.
- 17 The original base frame is no longer required for the Coupe.



## 2 Gluing the TECHART rubber lip

**i** Align the TECHART GTstreet rubber lip on the active series front spoiler. Mask the outer contour with adhesive tape.

- 1 Sand the serial part and the TECHART rubber lip with sandpaper of 80 grit within the masked area.
- 2 Degrease both sanded areas with 8 ml BETACLEAN 3300.
- 3 Spread the cleaned adhesive surfaces with 15 ml BETAWIPE 4000 and allow to dry. (Processing time including primer max. 3 minutes).
- 4 Apply 15 ml BETAPRIME 5404, to the adhesive surfaces and allow to dry.
- 5 Apply the supplied K1 adhesive evenly to the masked area of the standard spoiler lip.
- 6 Place the TECHART rubber lip on the field and press it down evenly.
- 7 Remove any excess adhesive immediately with cleaner.
- 8 Fix the rubber lip with adhesive tape during the drying time.



Fig. 26



### 3 Cooler

#### 3.1 Modification of the central cooler

- 1 Drain the coolant by unscrewing the two drain plugs as shown in the figure below.
- 2 Then fit the drain plugs with new sealing rings and mount them with a torque of 25 Nm.



Fig. 27

- 3 Unclip the right and left air duct.
- 4 Dismantle both bumper beams.
- 5 Dismantle the coolant hoses from the external cooler to the central cooler. Collect leaking coolant in a suitable container.

**i Close the dismantled cooler with tape against contamination.**

- 6 Unclip the side plastic plugs of the cooler and remove the cooler from the air duct.
- 7 Unclip the original air duct of the central radiator in order to also dismantle the retaining frame behind it; this frame is required again.



Fig. 28



- 8 Remove the holder for the two horns and dismantle them from the holder; the oscillating plates must remain on the horns, these are needed again
- 9 Unscrew the air duct behind the central radiator from the body. To do this, remove the two upper and lower screws / nuts.

- 10 Fasten the air conditioning lines coming from the right top of the fender in the direction of travel using the 12mm / 18mm hose clamps supplied with the accessory kit "Aero hood" and an M6x16 mm screw and nut. With this, the lines can be pushed a little backwards, closer to the body, so that access to the central air shaft is granted.

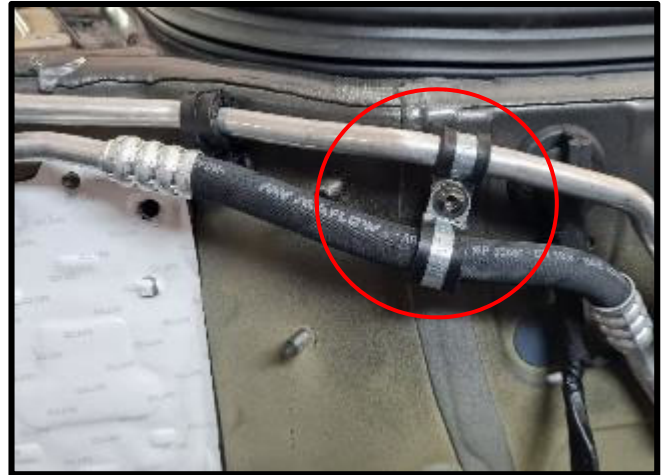


Fig. 29

- 11 Then extend both cables of the horns using the cables and crimp connectors provided in the aero hood accessory pack. Extend the original short cable with the 30 cm cables and the original long cable with the 20 cm cables. The brown cable is extended with the brown cable and the black/yellow cable with the black cable.
- 12 After connecting the cables, heat the crimp connectors with a hot air blower.
- 13 After the extensions, the wiring harness must be completely insulated again. Use commercially available insulating tape for this.



Fig. 30



- 14 Separate the supplied air duct 9GT121288. To do this, press the locking lugs and unclip. Both halves are needed again.
- 15 Then mount the air duct on the body. Use the original screw connection.
- 16 As shown in the picture, the cable for the horns and ACC must be laid towards the center.
- 17 Other cables are laid to the passenger side.
- 18 Put the rubber grommet 25x30x36 left and right over the water connector of the cooler.
- 19 Insert the cooler into the air duct and secure it with the long, unprocessed bearing pin at the bottom.



Fig. 31



Fig. 32

- 20 If the cooler is now pressed against the top of the air duct, the notch in the rubber grommet must sit exactly on the wall of the air duct.



- 21 Push the radiator back so far that the passage of the upper bearing pin is pushed behind the hole by the original pin diameter.
- 22 Then snap the short bearing pin into the upper holes of the air duct.
- 23 Attach the original holding frame of the cooler again.
- 24 Then put the second half of the supplied air duct back onto the half that has already been mounted on the car.



Fig. 33

- 25 Before installing the air duct 092.100.185.200, it must be processed under the following conditions:
- 26 The red line marks the component surface to which the supplied sealing tape must be affixed. Included in the accessory kit "Aero hood" 2x180 mm.

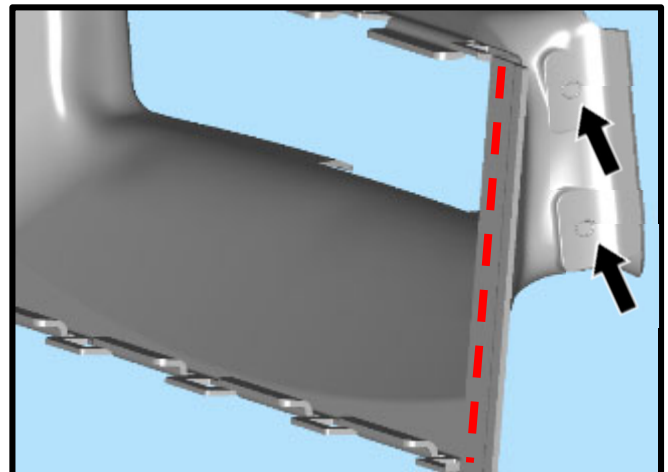


Fig. 34



- 27 Depending on the vehicle variant, the temperature sensor must be positioned and glued in the upper or lower position using the supplied bracket 092.100.185.250. In vehicles with "HomeLink", the temperature sensor must be attached in the lower position. Then mount the air duct.
- 28 On vehicles with ACC, the markings at the top and bottom of the central air duct must be cut out.
- 29 Then mount the air duct.
- 30 Hold the supplied holder for the horns on the inside of the upper impact beam.
- 31 Now, as described below, two markings must be made for M6 threads. Mark the lower edge of the impact beam measured 10 mm upwards and the dimension 120mm symmetrically to the center of the impact beam.

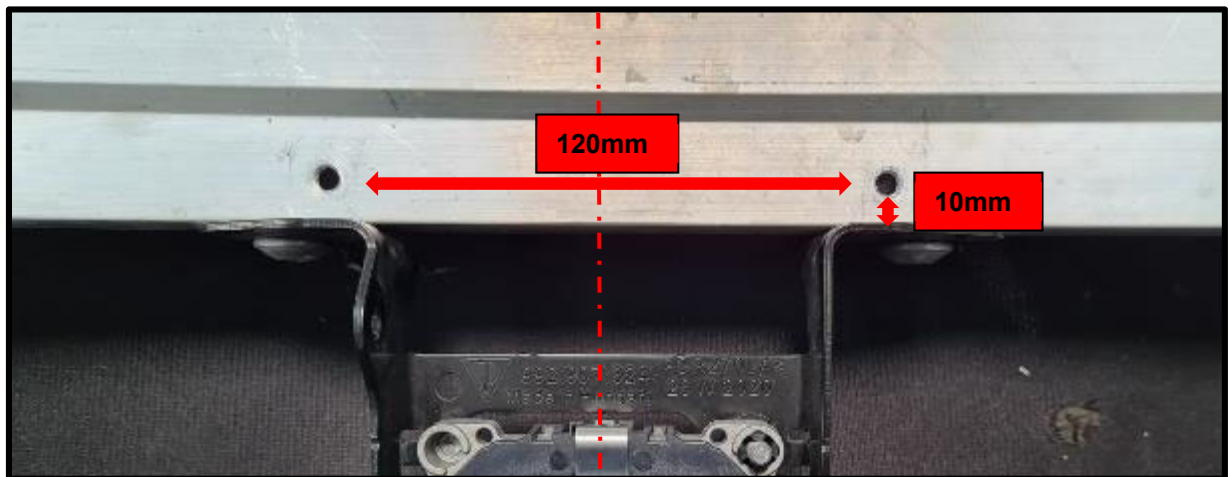


Fig. 35



- 32 Mount both horns to the TECHART holder for the horns 092.100.185.406 using the M8x12 screws and M8 self-locking nuts found in the accessory pack.

- 33 Make sure that both horns are aligned as shown in the pictures



Fig. 36

- 34 Screw the pre-assembled holder to the impact beam with two M6x12 mm self-locking.



Fig. 37



**Both impact beams and cooling water hoses are fitted after the fenders have been installed.**



## **4 TECHART Aero fender**

### **4.1 Installation TECHART Aero fender**

- 1 Sand and clean the inside of the adhesive surfaces of the fender around the opening for the TECHART grille air outlet left / right. TECHART recommends a grit of 180.



Fig. 38



**Both grilles air outlet fenders 092.121.250.230/231 must now be processed as follows:**

- 2 Place the grille blank on the air outlet and fix it with clamps or adhesive tape.
- 3 Drill 16 holes with a diameter of 6 mm in two steps (3 mm) all around the flange. Make the holes within the mesh. Insert the plastic expanding rivets and press in the pins of the expanding rivets so that they are flush.



Fig. 39



- 4 Sand all the tops of the louvers well and also clean them (shown in red).
- 5 Sand the back of the drilled flange well and clean it (shown in green).
- 6 Also sand the back of the CFRP louvers well.
- 7 All sanded plastic surfaces (not CFRP parts) must be moistened with BETAPRIME 5404 and allowed to dry completely.



Fig. 40

- 8 Apply body adhesive to the primed flange all around.
- 9 Insert the component into the fender and press it on firmly. While the glue is drying, press the frame firmly together and fix it using adhesive tape or clamps.





Fig. 41



**Please allow a drying time of the body adhesive of at least 12 hours.**

- 10 Attach one M6 sheet metal nut on the inside of the fender bottom to the door.
- 11 Push on three M6 sheet metal nuts to mount the fastening strip on the front of the fender (see arrows in the next figure). Do not fully tighten this screw connection, yet.



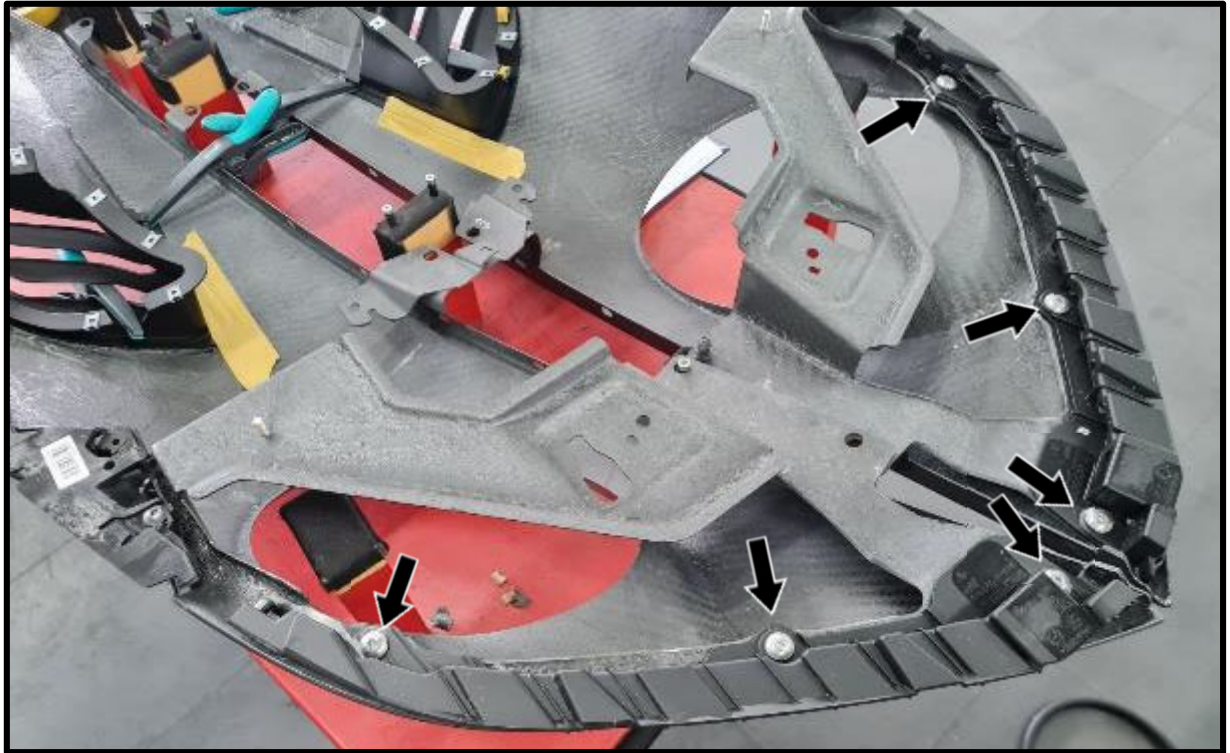


Fig. 42

- 12 Cut off both plastic tabs on the turn signal holder of the side turn signal as marked.
- 13 Mount the turn signal bracket on the fender, attaching the rear screw points like the original screw connection. At the front screw point (marked by a red circle) counter an M6 screw with an M6 nut with a wave washer. Do not fully tighten this screw connection.

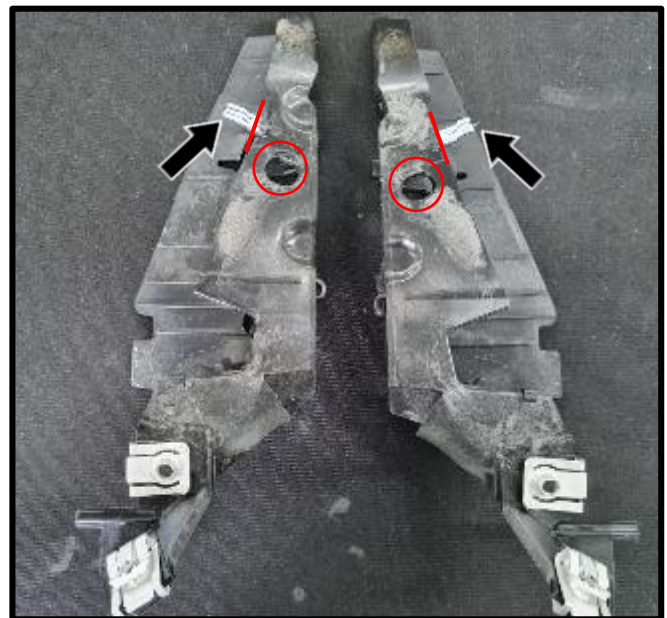


Fig. 43

- 14 Fasten both crash sensors with the original screws and the supplied M6 self-locking nuts as well as the washers 6x20mm.





During the following assembly of the left and right fender, it must be aligned and adjusted at the A-pillar bracket with the washers included in the fender accessory kit. Due to tolerances in the component and vehicle, different gap dimensions may occur.

- 15 Place the left fender on the car and screw it to the original fixings. Use the M6x25mm screw supplied in the fender accessory kit for the upper screw point of the left fender. Do not fully tighten the screws yet. If comparable distances occur at other screw points, the longer M6x25mm screws must also be used there.
- 16 Insert the removed air conditioning line between the dryer and condenser in the right fender. With an additional person, mount the fender including the inserted line to the vehicle. Do not fully tighten the screws yet.
- 17 The air conditioning lines are attached to the original fastening points with the clips; the screws of the lines are not yet attached.



## **5 TECHART aero hood with shaft**

### **5.1 Installation TECHART aero hood with shaft**

- 1 Mount the TECHART hood emblem with new cutting nuts from the inside.
- 2 Place the TECHART aero hood on the hinges and fasten with the original nuts. Do not fully tighten the nuts yet.
- 3 Guide the spray water hose through the installation opening, connect it to the spray nozzles and click into place.



Fig. 44



## 6 Aligning the front end

- 1 On the plastic strip of the upper bumper beam, the clips on the left and right outside, the reinforcement tab on the left and right next to it, and the brackets in the center left and right must be cut off, as marked in the picture below.



Fig. 45a

- 2 Fasten the left and right front apron brackets 092.100.181.300/301 included in the front apron accessory kit to the bottom of the plastic retaining strip on the fenders.
- 3 To do this, align and fix the holder on the plastic strip using clamps.
- 4 The holes in the sheet metal holder must be transferred into the plastic part with a 4.1- or 4.2-mm drill. Caution, do not drill up through the fender. Make sure that the holes are made between the ribs on the inside of the plastic part.
- 5 Then rivet the front part holder to the original part from below using the blind rivets provided and a suitable riveting tool.



Fig. 45b



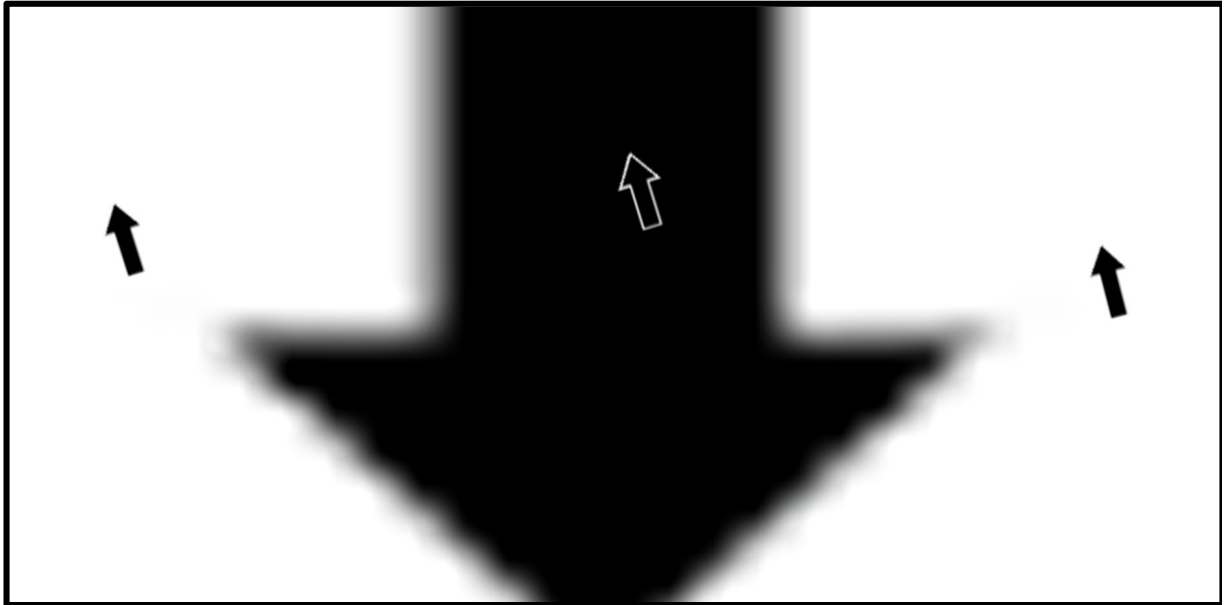


Fig. 46a

- 6 Mount the upper bumper beam. Torques will be listed later!
- 7 Screw the main carrier of the front apron into the front apron. Do not glue, the front apron will be installed afterwards.
- 8 Place the front apron as a blank on the car. The front end can then be aligned.
- 9 Align the fenders to the door and tighten the screws at the door gap.
- 10 Adjust the transition from the fender to the front apron and tighten the front screws.
- 11 Tighten the front apron on the outside below at the screw points to the radiator console.
- 12 By loosening the three screws on the retaining strips of the front fenders, the transition from the front apron to the fender can be adjusted. After the adjustment, tighten the screws.

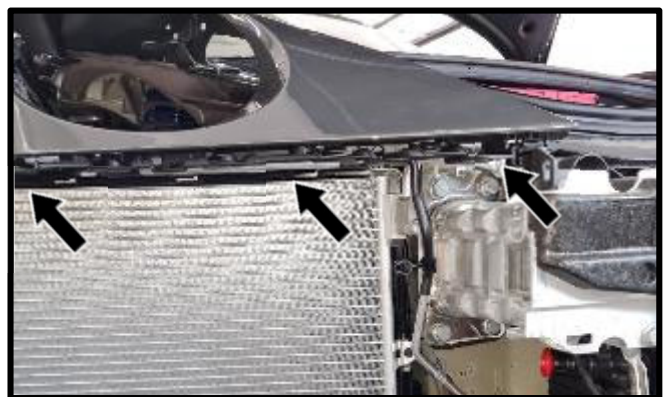


Fig. 46b



- 13 Then adjust the gap between the hood and the front apron and the gap between the hood and the fender.
- 14 Tighten all screws and nuts on the hood and fenders.
- 15 Then mount the catch hook on the hood.



Fig. 47

- 16 Remove and dismantle the front apron again.



## **7 Completion of the fenders and central cooler**

- 1 Fit the air conditioning lines with the new O-rings supplied in the aero hood accessory pack and mount them.
- 2 Insert the air conditioner dryer back into the bracket and mount it.
- 3 Connect the longer supplied cooling water hoses to the coolers.
- 4 Refit the lower bumper beam including the side struts to the upper bumper beam. When assembling the bumper beam, it is essential to observe the following torques:
  - 5 bumper beam below: 23 Nm
  - 6 impact beam top: 55 Nm
  - 7 side struts: 23 Nm
- 8 Clip in the original side air ducts again.
- 9 Reinstall the fuel filler neck to the body. Use screw locking agent during assembly.
- 10 Snap the fuel filler cap console into the fender and establish the electrical plug connection.
- 11 Before sanding the panels, place them on the fenders in order to determine the correct position of the component.
- 12 Grind the fender louvers 092.121.250.210/211 at the rear and clean them.
- 13 Also clean the adhesive surfaces of the fender air outlet well again.



- 14 Apply body adhesive to the carbon panels and apply and fix them in the correct order from top to bottom. Make sure that excess glue is thoroughly removed with cleaner.
- 15 The GTstreet inlay on the left and right is attached to the fender by gluing. For this purpose, the adhesive surface must be thoroughly cleaned beforehand. Fold over the red transfer foil on the back, insert the badges and then pull out the foil.



Fig. 48



**After gluing in the insert, press it on again for approx. 30 seconds so that the adhesive can network well with the substrate.**



## **8 Assembly of the washing water tank**

### **8.1 For vehicles without night vision assistant**

- 1 Reconnect the plugs and the water hose to the pump and the water level indicator.
- 2 Screw the washing water tank to the original fastening points.
- 3 Insert the filler neck into the container and secure it with the original screw.



**If the vehicle is equipped with night vision assistant, the installation must be carried out as described below.**



**8.2 For vehicles with night vision assistant**

- 1 Remove the upper pump and the rubber seal from the original washing water tank.
- 2 Equip the adhesive base with a 3.6x200mm cable tie and mount it on the pump. Place the cable tie in a notch of the pump. Do not peel off the adhesive pad, yet.
- 3 Hold the pump with the adhesive base with the cutout to the rear wall to determine and mark the drill hole.
- 4 Drill a 10.5mm through hole in the container. Rinse this thoroughly, no drilling residues may remain in the container.
- 5 Press the rubber seal into the hole and clean the adhesive area of the container.
- 6 Remove the transfer film from the adhesive pad.
- 7 Insert the pump into the rubber seal and press it firmly against the wall of the container.
- 8 Cut open the original washing water hose at the connection ends to the connector in order to remove it.
- 9 Connect the supplied PVC hose with the connector and connect it to the supplied 1-ear clamp provided.



Fig. 49



Fig. 50



- 10 Push the corrugated pipe onto the PVC hose from the other side.
- 11 Prepare the other side like the first one with a 1-ear clamp and the connector.
- 12 Reconnect the hose and electrical plug connections to the pump and the container.
- 13 Lay the water hose of the night vision camera behind the frame of the fender along the hood as shown in the picture.
- 14 Insert the washing water tank and screw it tight with the original screws.
- 15 Insert the filler neck into the container and secure it with the original screw.

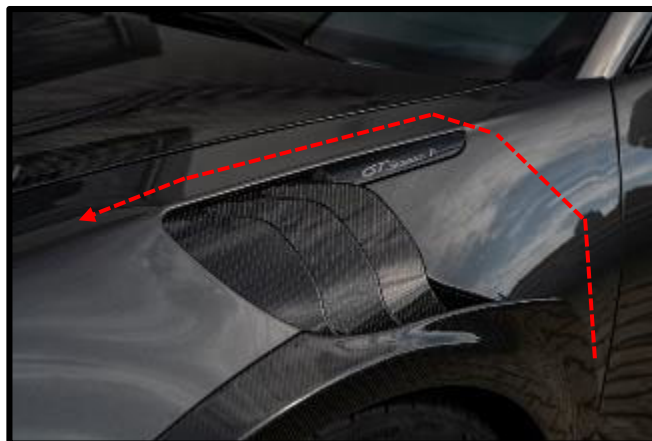


Fig. 51



## 9 Completion of air conditioning / cooling system



**If the vehicle is equipped with the power kit TA 092 / T2.1 including conversion of the turbocharger, this conversion must be carried out first. Only then the cooling system will be completed and filled with cooling water. After installing the performance kit TA 092 / T2.1, do not assemble the rear end, just mount the turbocharger.**

- 1 Refill and bleed the cooling system according to the manufacturer's instructions.
- 2 Refill the air conditioning system according to the manufacturer's instructions.
- 3 Filling quantity for R134a: 980g refrigerant.
- 4 Filling quantity for R1234yf: 890g refrigerant.



**10 Installation front apron**

The bonding surfaces must be dry and free of dust.

Before assembly, TECHART recommends first holding the main components to one another without adhesive in order to determine the component location and the adhesive areas.

Use cleaning agent to thoroughly degrease bonding surfaces, then sand it using 100-180 grade abrasive paper and finally use cleaning agent to degrease it again.

- 1 Insert the cassette of the active front spoiler into the Techart front apron. Guide the guide pins, air lines and the electrical connector through the opening and tighten with the original screws on the inside.
- 2 Attach the speed nuts on the outside of the cassette and screw them together with the original screws from the inside and below.



Fig. 52

- 3 Sand and degrease the bonding surfaces on the TECHART front apron and TECHART main carrier. Make sure that neither the later visible "pinstripe" or other visible contours are sanded.

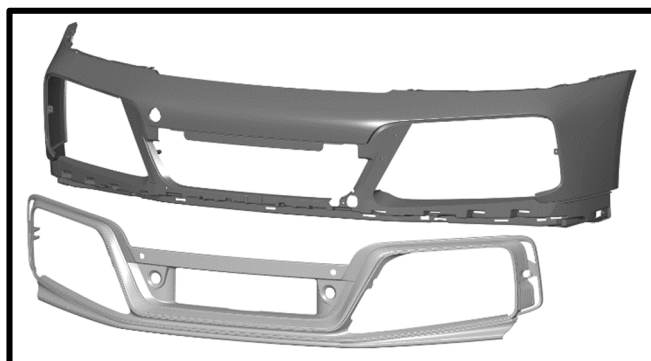


Fig. 53



- 4 Apply body adhesive to the adhesive surfaces of the TECHART front apron.
- 5 Insert the main support in the front apron as shown below and mount it with the screws 5x16 (red) and 5x25 (black). Align the adhesive surfaces and fix with adhesive tape.

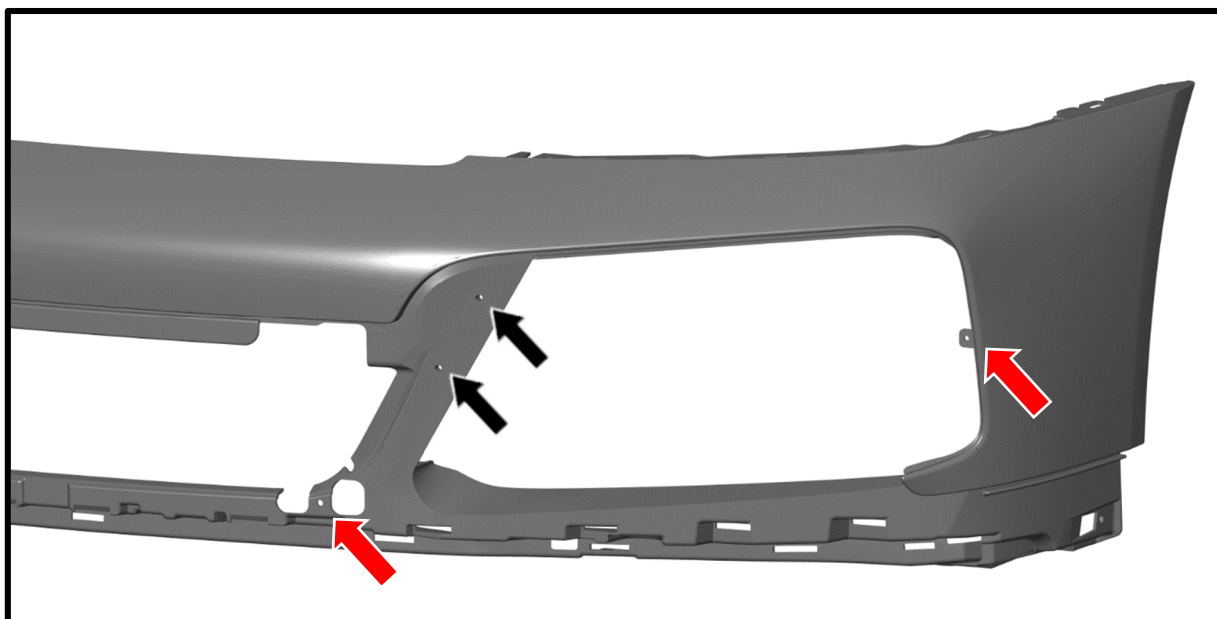


Fig. 54

- 6 Apply body adhesive to the underside of the TECHART main carrier. Place the TECHART carbon front spoiler on the main carrier and front apron and align it flush on the side. Fix this with adhesive tape.

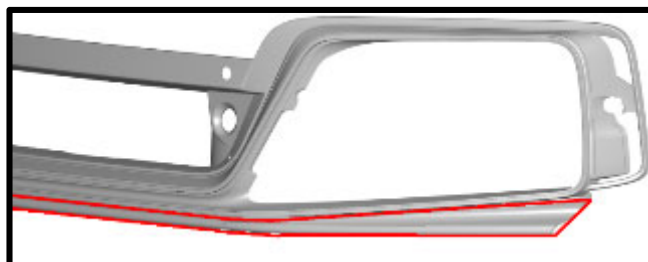


Fig. 55

- 7 Place a black plastic spacer 6.3x8mm on the left and right between the carbon front spoiler and the front apron. Screw from below with a sheet metal screw 4.8x22mm through the parts into a sheet metal nut placed on top.
- 8 Fix the adhesive surfaces with adhesive tape.



Fig. 56



- 9 Sand the back of the TECHART carbon inserts L / R / center with 180 grit sandpaper. Degrease the adhesive surfaces of the main carrier and the inserts.
- 10 Glue TECHART inserts L / R with body adhesive in the main carrier / front apron, align and fix with adhesive tape. Glue the TECHART carbon insert in the middle of the main carrier with body adhesive, align it and fix it with adhesive tape.

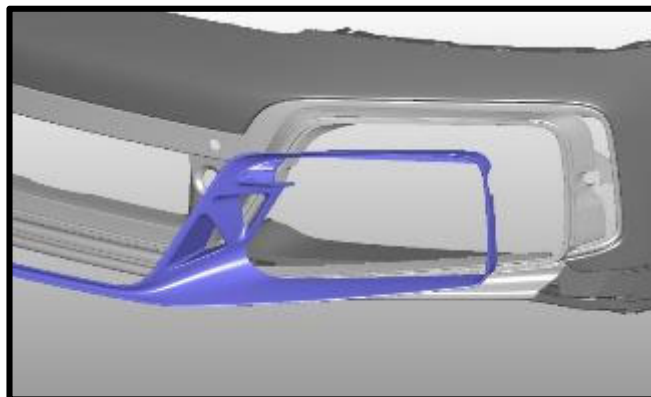


Fig. 57



**11 Installation Carbon flaps****11.1 For vehicles without Remote ParkAssist**

**i** Use a 2 mm drill bit with a stop when drilling the carbon flap. Otherwise, there is a risk of breaking through the outer shell when drilling the back shell.

- 1 Drill through the six inner drill marks on the side of the front apron with a 4 mm drill.
- 2 Put the flap in position on the front apron and drill a 2mm screw hole into the carbon flap through the 4mm holes that have already been drilled.
- 3 Apply body adhesive to the fins of the flap and the lower contact surface to the front apron.
- 4 Mount the flap using the screws 3.9x13mm and the black plastic washers 12x6.2x2.



Fig. 58



## 12 Installation Carbon flaps

### 12.1 For vehicles with Remote ParkAssist

**i** Use a 2 mm drill bit with a stop when drilling the carbon flap. Otherwise, there is a risk of breaking through the outer shell when drilling the back shell.

- 1 Provide the parking sensor with the rubber seal.
- 2 Clip the parking sensor into the TECHART parking sensor holder 000.100.150.200.
- 3 Equip the holder with the gluing blank and glue it into the carbon flap. The plug must point downwards.
- 4 Provide the housing with the adhesive backing and stick this over the holder or on the inside of the flap.
- 5 Unclip the parking sensor from the holder again.



Fig. 59



- 6 Drill through the six inner drill marks on the side of the front apron with a 4 mm drill.
- 7 Attach the flap on the front apron and drill a 2mm screw hole into the carbon flap through the 4mm holes that have already been drilled.
- 8 Apply body adhesive to the fins of the flap and the lower contact surface to the front apron.
- 9 Also apply a little body adhesive to the contact surface of the glued-in housing.
- 10 Mount the flap using screws 3.9x13mm and black plastic washers 12x6.2x2.



Fig. 60



**13 Installation front apron**

- 1 Grind the two locking lugs on the original parking sensor side so that they are flush.

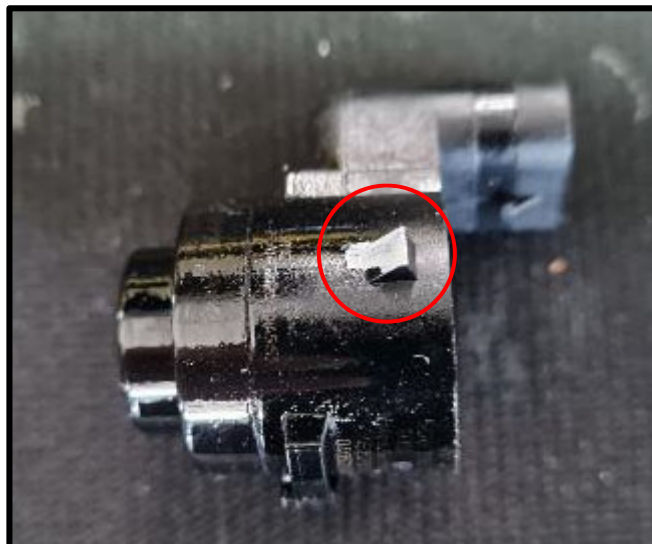


Fig. 61

- 2 Insert the original parking sensor into the TECHART main carrier and screw it to the TECHART sheet metal bracket parking sensor 092.100.181.206 and the 2.9x9.5 screws.
- 3 Using the TECHART carbon insert top 092.121.181.180, align the parking sensor left and right to the holes.



Fig. 62



- 4 Remove the paint mist on the adhesive surface of the inner parking sensors / main carrier and clean the surfaces.
- 5 Clip the two inner parking sensors into the supplied TECHART holder 058.100.150.101-01 and glue them into the main carrier using the adhesive backing (black arrow).
- 6 For vehicles without night vision assistant, screw both TECHART covers 092.100.181.600 into the main carrier using the 4.2x9.5 mm screws (red arrows).

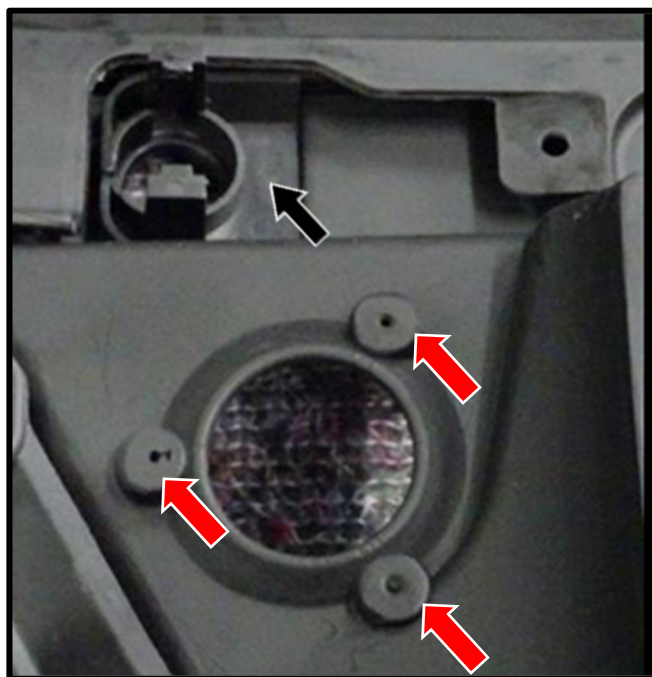


Fig. 63



**14 Installation night vision camera****For vehicles with night vision assistant**

- 1 Screw the TECHART holder 092.100.181.406-01 onto the upper dome with a 5x16 pointed screw.
- 2 Screw the TECHART holder 092.100.181.407 onto the lower domes as well.
- 3 Slide one M5 sheet metal nut on each holder and screw the night vision camera onto it with the M5x16 A2 screws.
- 4 When mounting, align the lens of the camera centrally to the recess in the main carrier.

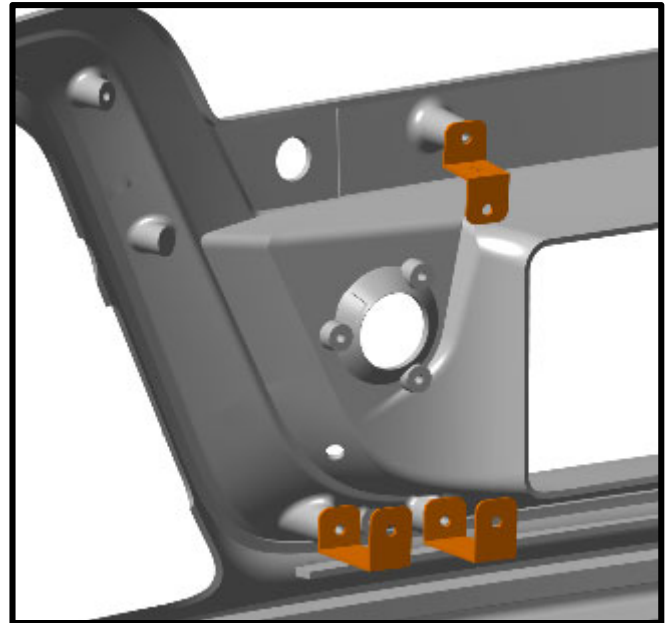


Fig. 64



**15 Installation front apron**

- 1 Sand the back of the carbon insert top 092.121.181.180 and clean it.
- 2 Also sand and clean the main carrier in the adhesive area.
- 3 Glue the insert to the main carrier with body adhesive. Make sure that the parking sensors are located in the cutout of the insert on the left and right. After aligning, fix the insert with adhesive tape.
- 4 Prime the air duct 092.100.181.210/ 211 left and right on the adhesive flange with BETAPRIME 5404.
- 5 Also sand the front apron a little in this area and clean it well.
- 6 Apply body adhesive to the flange and insert the air duct into the front apron. Align this in the front apron and fix it with adhesive tape.
- 7 Place the two original speed nuts on each side of the holes in the air duct in the direction of the wheel arch.



Fig. 65

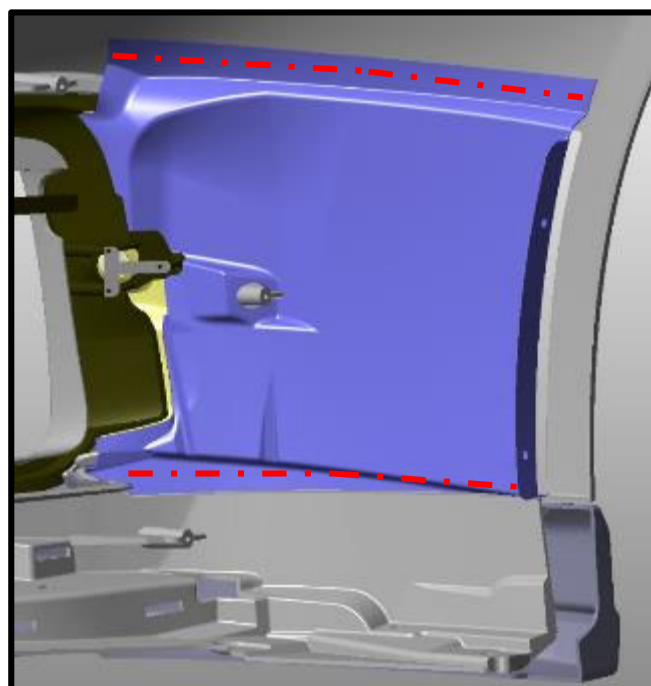


Fig. 66



- 8 Screw the turn signals into the TECHART front apron using the original screws.

- 9 Sand the back of the turn signal covers 092.100.181.220/ 221, clean and then prime with BETAPRIME 5404.

- 10 Apply a thin layer of body adhesive on the back of the panels and place it in the notch of the turn signal light from the front. Make sure that excess glue is removed directly with cleaner.

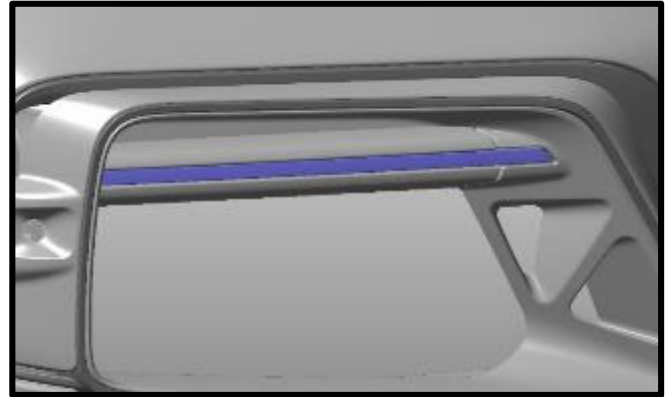


Fig. 67

- 11 Screw the active louvers into the front apron using the original screws.
- 12 Lay all wiring harnesses back in their original position and reconnect all electrical plug connections.
- 13 Reconnect the spray hose on vehicles with night vision camera.
- 14 On vehicles with Porsche Remote ParkAssist, the side parking sensors must be clipped back in. To do this, first snap the connector back into place and then clip the sensor into the holder.
- 15 Clip the cover of the towing device into the front apron.





Fig. 68

- 16 Insert the original holder of the front camera in the TECHART main carrier.
- 17 Process the inner original holder as described in the adjacent picture.



Fig. 69



- 18 Then reinsert the camera in connection with the modified inner holder into the component and fix it with a little glue.

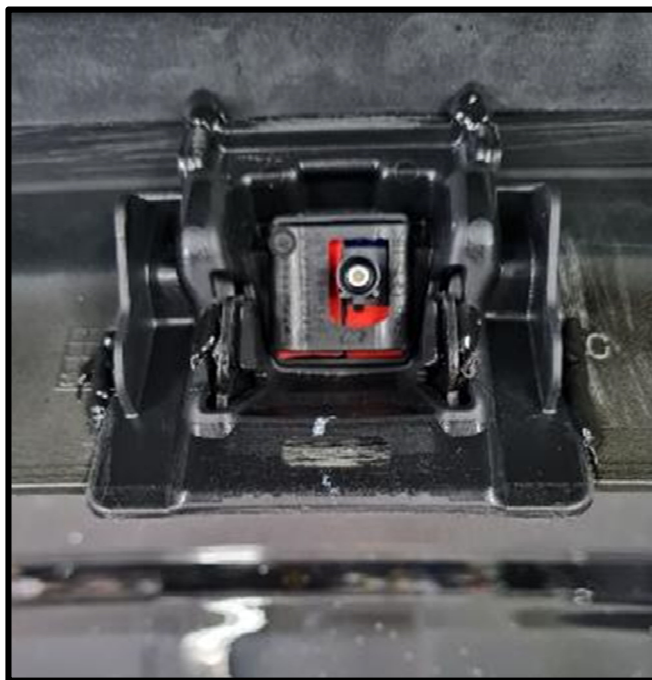


Fig. 70

- 19 On vehicles with keyless-entry, the antenna must be fixed on the outside right above the original turn signal using double-sided adhesive tape.

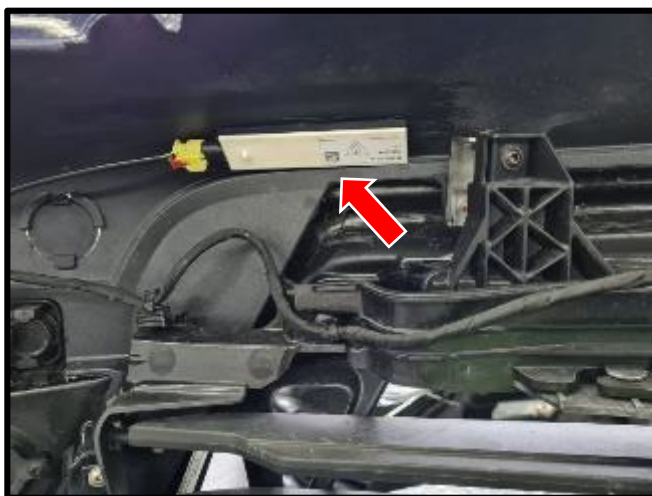


Fig. 70a



- 20 Mark the drill hole with the Techart angle bracket, drill with a diameter of 6.5 mm and protect against corrosion.
- 21 Then mount as shown in the picture on the right.

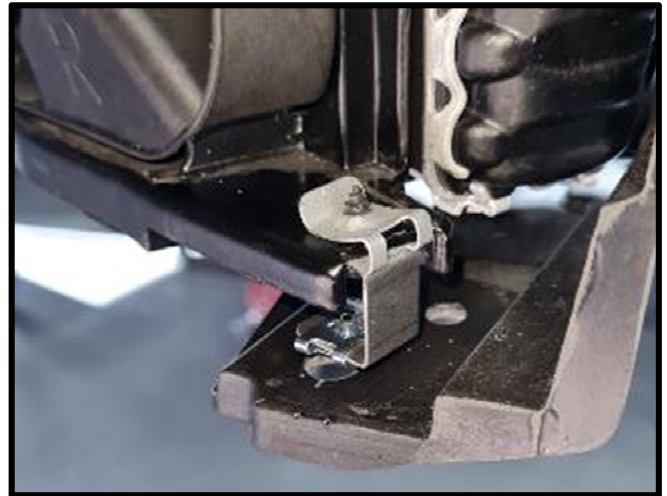


Fig. 70b

- 22 Push the front apron onto the vehicle, align it and screw it on top.
- 23 Reconnect the air connections of the active front spoiler. Screw the original middle retaining strip back on to the underbody.
- 24 Reconnect electrical plug connections.
- 25 Reconnect the water hose for the night vision assistant.
- 26 Snap the turn signals into the original bracket and align it with the fender. Tighten the fastening screws of the holder and drill a 4.5 mm hole from the bottom in the direction of the turn signal lamp. Caution, do not drill into the turn signal lamp!



Fig. 71

- 27 Take the turn signal out of the holder. Screw on the front apron with the supplied M4x12 screw and washer and self-locking M4 nut.
- 28 Refit the connector on the turn signal and snap the turn signal into the holder.



- 29 Sand the right and left canards on the inside and clean them.
- 30 Affix this with body adhesive to the front spoiler and fix it with adhesive tape.



Fig. 72

- 31 Reinstall both headlights.
- 32 To do this, insert the headlights, reassemble with the original screws and restore all electronic plug connections.
- 33 The height and thus the gap to the fender can be adjusted with the upper adjusting screw on the headlight.



**16 Modification of TECHART exhaust system for GTstreet R**

Installation instructions for TECHART exhaust system GTstreet R available separately.

**092.310.700.099.**



**17 Modify the rear spoiler drive**

- 1 As can be seen in the bottom picture, the cable tie on the electric motor must now be dismantled.
- 2 Unscrew the heat sink from the motor housing.
- 3 Pull off the rubber cap and remove the motor plug.

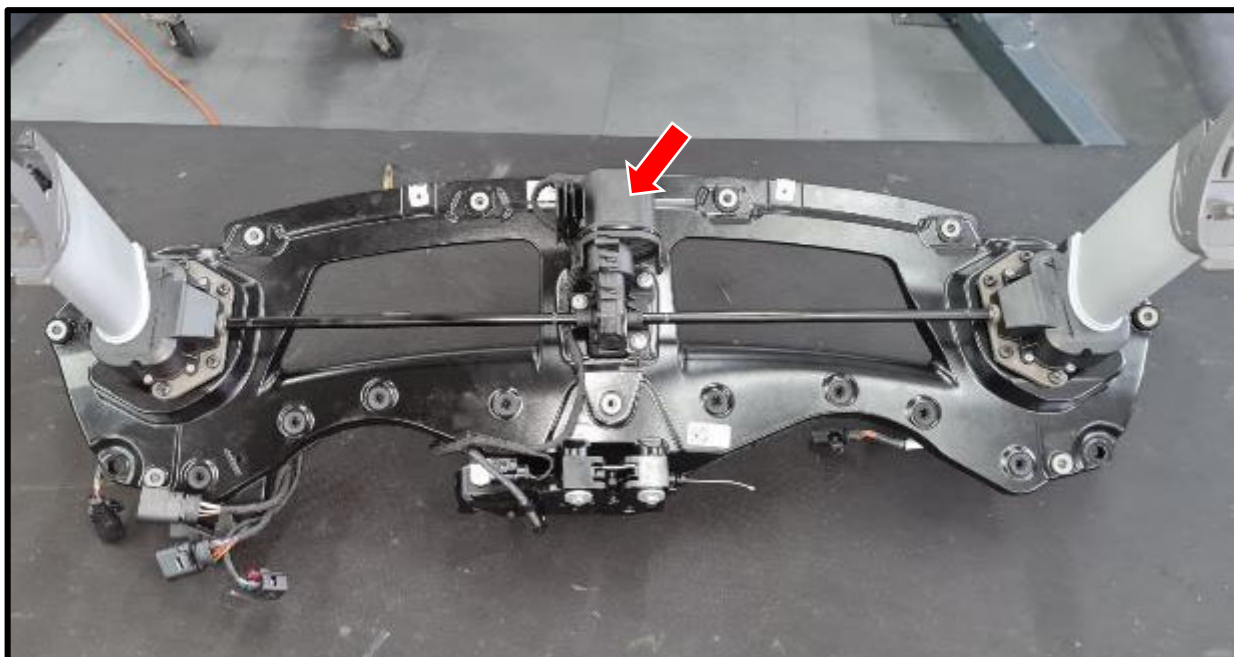


Fig. 73

- 4 Disconnect the left and right plug connections from the underside.
- 5 Loosen the metal clips at the end of the cable harness.



Fig. 74



- 6 Remove the screw on the Hall sensor of the right support and pull it off towards the bottom.

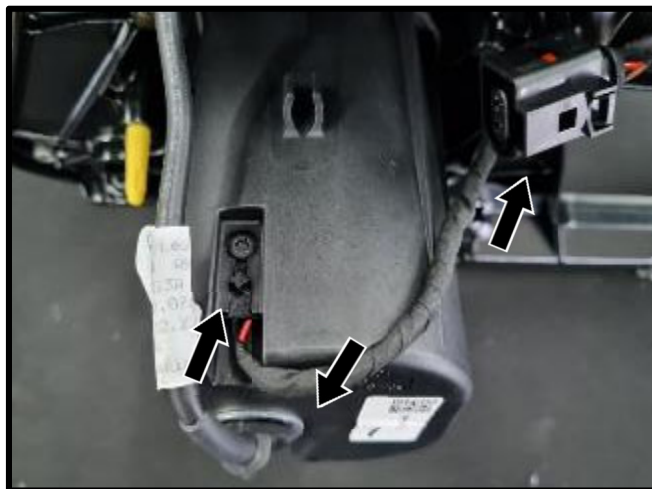


Fig. 75

- 7 Remove the spoiler supports and the engine from the carrier plate by loosening all screws.
- 8 Separate the left and right drive units by pulling off the shaft.



Fig. 76



### 17.1 Spoiler support left

**i** Optionally, the spoiler mount on the threaded side of the bolts can be heated using a hot air blower. As a result, the interlinking of the screw locking device can be opened, so the bolts can be more easily dismantled as described below. **Caution, risk of burns!**

- 1 Unscrew the bolts of the spoiler mount, if necessary, knock them out from the rear with a punch. Caution, do not damage the bolts (red arrow).
- 2 Peel off the mount.
- 3 Remove the rubber cap (black arrow).
- 4 Unscrew the two screws under the mount (red markings).
- 5 Pull the original aluminum insert of the mechanics out of the aluminum support.
- 6 Loosen the plastic cover by unscrewing the four screws and pulling it off towards the top.
- 7 Remove the lower part as well.



Fig. 77



Fig. 78



- 8 Pull the servomotor (black arrow) upwards out of the support, if necessary, use a hook tool. Be careful not to damage the motor cable.



Fig. 79

- 9 Lever out the marked plastic caps to remove the screws underneath.
- 10 Remove the aluminum support from the mechanism, this is no longer required.

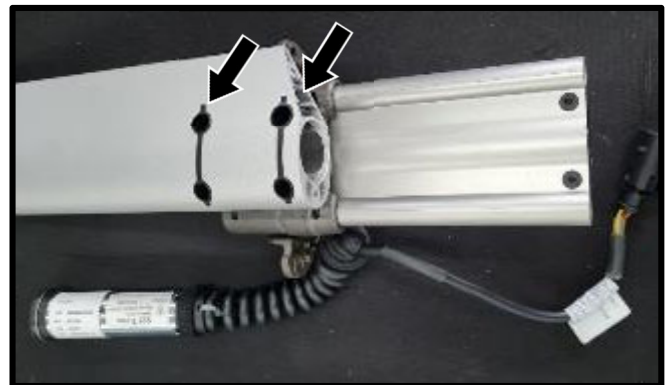


Fig. 80

- 11 Screw the TECHART carbon support onto the mechanism (do not use a locking device yet).
- 12 Remove the seal from the covers.
- 13 Put the upper and lower plastic covers over the support and tighten them with the original screws.
- 14 Check the air gap between the carbon support and the housing for uniformity.



Fig. 81



- 15 If the gap at the front radius is smaller than the lateral one, the support must be readjusted by drilling the through holes to 5.5 mm and screwed tight.
- 16 If a circumferentially uniform gap can be set, proceed as described below.
- 17 If the gap is parallel, the seal must be reinserted in the plastic covers.

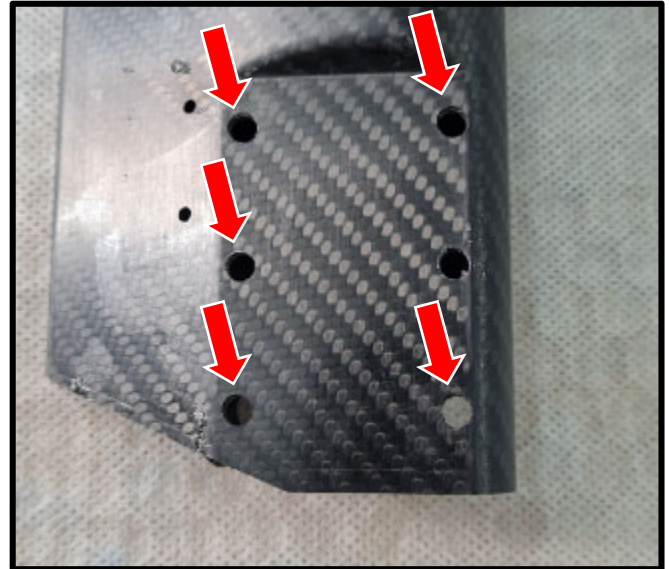


Fig. 82a

- 18 Screw the TECHART carbon rear spoiler support to the original mechanics. Secure the screws with locking agent.
- 19 Remove the four screws on the servomotor.
- 20 Remove the original metal support ring from the rubber and replace it with the metal support ring included in the rear spoiler support pack.
- 21 Then reinstall the screws.



Fig. 82b

- 22 Guide the servomotor cable through the carbon rear spoiler support and mount the servomotor into it. Pay attention to the correct position of the servomotor.
- 23 Slide the upper plastic cover back over the carbon support.



- 24 Attach the drive unit to the carbon support as shown.
- 25 The four plastic lugs (black arrow) must be inserted into the counterparts of the servomotor.
- 26 Slide the upper plastic cover with the mounted seal onto the carbon support.
- 27 Screw the drive unit to the carbon support using the supplied screws with the rear spoiler supports.
- 28 Picture marking on the left:  
M5x55mm  
Picture marking on the right:  
M5x75mm
- 29 Fit the screws with locking compound and tighten to 4 Nm. After three minutes, tighten again with 4 Nm.
- 30 Push the lower plastic cover back onto the support, feed the cable through beforehand and secure it with the original sheet metal clamp.
- 31 Screw both plastic covers back on with the original screws.

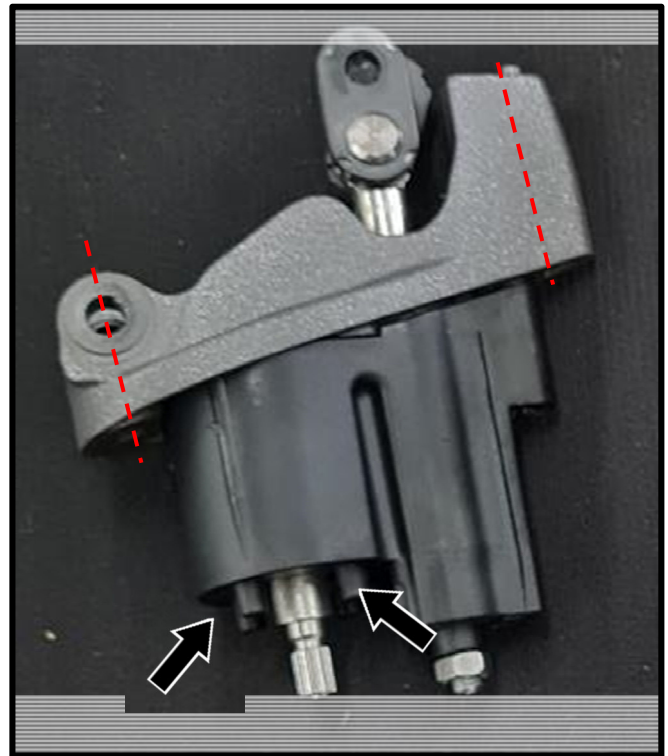


Fig. 83



## 17.2 Spoiler support right

**i** Optionally, the spoiler mount on the threaded side of the bolts can be heated using a hot air blower. As a result, the interlinking of the screw locking device can be opened, so the bolts can be more easily dismantled as described below. **Caution, risk of burns!**

- 1 Unscrew the bolts of the spoiler mount, if necessary, knock them out from the rear with a punch. Caution, do not damage the bolts (red arrow).
- 2 Peel off the mount.
- 3 Remove the rubber cap.
- 4 Unscrew the two screws under the mount (red markings).



Fig. 84

- 5 Loosen the plastic cover by unscrewing the four screws and pulling it off towards the top.
- 6 Remove the lower part as well.



Fig. 85



- 7 Dismantle the sensor with the cable from the support (red arrow).
- 8 Remove the magnet from the side on the underside of the aluminum support, this will be used again (small circle).
- 9 Lever the plastic covers out of the support (black arrow).
- 10 Loosen all four screws (large circle) and remove the original aluminum support. This is no longer required.



Fig. 86

- 11 Screw the TECHART carbon support onto the mechanism (do not use a locking device yet).
- 12 Remove the seal from the covers.
- 13 Put the upper and lower plastic covers over the support and tighten them with the original screws.
- 14 Check the air gap between the carbon support and the housing for uniformity.



Fig. 87



- 15 If the gap at the front radius is smaller than the lateral one, the support must be readjusted by drilling the through holes to 5.5 mm and screwed tight.
- 16 If a circumferentially uniform gap can be set, proceed as described below.
- 17 If the gap is parallel, the seal must be reinserted in the plastic covers

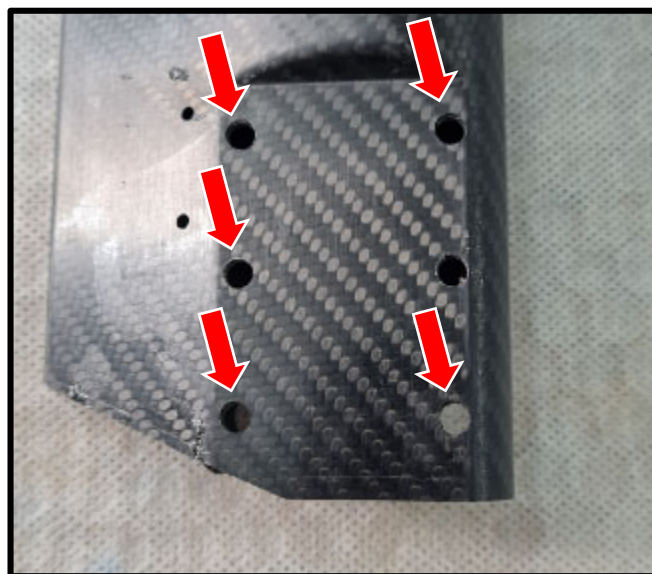


Fig. 88

- 18 Screw the TECHART carbon rear spoiler support to the original mechanics. Secure the screws with locking agent.
- 19 Guide the sensor through the support and place it in the pocket.
- 20 Insert the supplied adapter 092121885111 into the carbon support.
- 21 Provide the magnet with a small point of body adhesive and insert it into the carbon support flush with the outer surface.
- 22 Slide the top plastic cover with the seal over the support.
- 23 Place the original aluminum mount on the support. Screw the mount to the carbon support using the screws included in the rear spoiler support pack.
- 24 Mount the screws with locking fluid and tighten to 4 Nm. After three minutes, tighten again with 4 Nm.
- 25 Push the cable through the lower plastic cover and fix it with the metal clip.



Fig. 89



- 26 Bring both drive units to the top position by turning the inner gears, this is best done with the shaft.
- 27 Slide the left and right drive units back onto the shaft.
- 28 Screw the complete unit onto the carrier plate.
- 29 The following measurements must be taken:
- 30 It must be checked and, if necessary, readjusted to ensure that both supports are exactly the same length when the spoiler support is fully extended.
- 31 If this is not the case, the unit must be removed from the carrier plate and the shaft corrected a little by turning the gear.
- 32 Repeat this process until a measurement difference of  $<0.5\text{mm}$  is reached.
- 33 Fasten the screws of the support housing on the carrier plate with screw locking.



Fig. 90

- 34 Mount the electrical plug connections on the underside of the carrier plate.
- 35 Fasten the Hall sensor with the original screw.
- 36 Clip in the plug connection of the servomotor in the middle, put the rubber sleeve over the motor and fix it with a new cable tie.
- 37 Screw the heat sink onto the electric motor.



**18 Completion of the rear end**

- 1 Make two recesses in the middle of the intercooler as shown in the picture so that the Z-support can be mounted.
- 2 Set the upper recess, measured from the center by 25 mm to the rear.
- 3 Set the lower recess measured from the center by 35 mm to the rear.

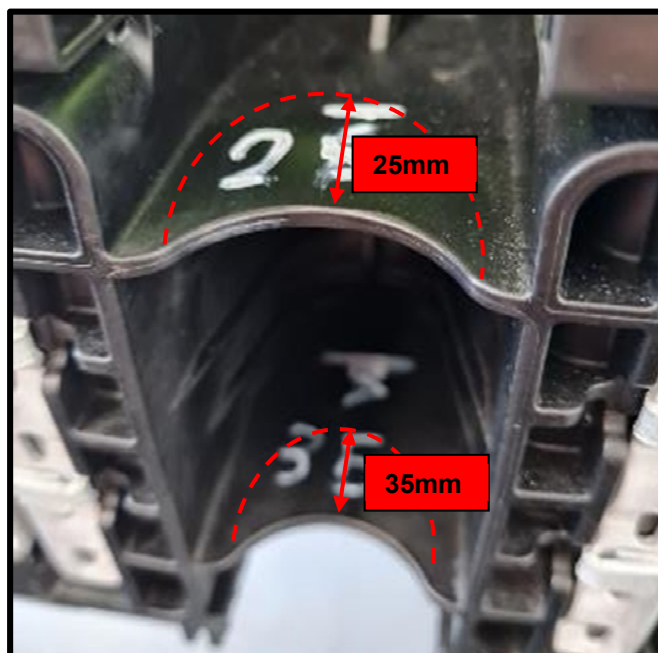


Fig. 91

- 4 Mount the rear bumper beam on the car again, observe the following tightening torques for the screws.
- 5 Tightening torque: 23 Nm.
- 6 Loosen the nut (red arrow) on the inside of the bumper beam in the middle and place the Z-support 092.100.885.500 flush on the bumper beam.

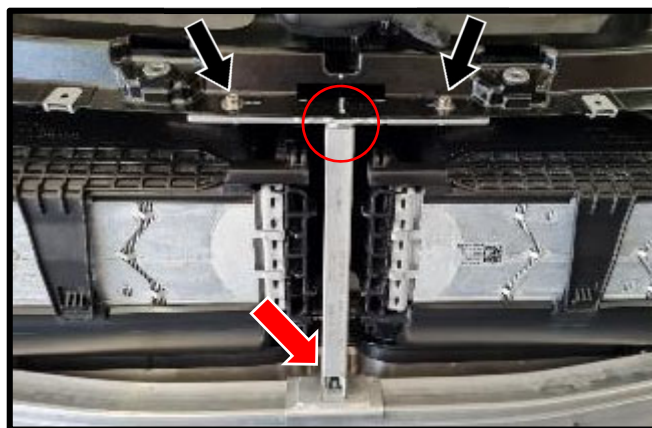


Fig. 92

- 7 Provide the nut (red arrow) with screw locking compound and tighten it.
- 8 Put on and mount the original rear spoiler support plate.
- 9 Align the Z-support to the front edge of the carrier plate and mark the drill holes.
- 10 Drill 6 mm through holes.



- 11 Using the supplied body washers, set the gap between the carrier plate and the Z-support with a slight pre-tension (+1 washer) (red circle), mount and install on the outside through the drilled hole with the 5x16 mm screws, 5x15 mm stainless steel washers.
- 12 Get the original heat protection out of shape with a relief cut (see arrow) and bend it a little flatter.
- 13 Place the supplied template on the outside of the heat shield, as shown in the picture, and mark it.
- 14 Cut out the contour with tin snips.



Fig. 93

- 15 Apply the heat protection tape around the cutting edges to close the cut edges and cover any sharp edges.
- 16 Also shorten the original rubber edge protection to the length of the marked edge and put it on.



Fig. 94

- 17 Bend the original heat protection of the air filter box 3 cm inwards on the left and right (lower part) of the vehicle. The illustration shows the right side.

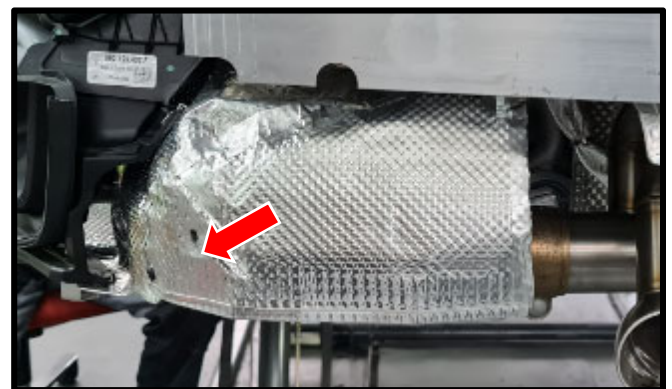


Fig. 95



- 18 Screw the M6 x 20 mm threaded sleeve onto the left and right studs of the impact beam (red arrow) and secure with screw locking agent.
- 19 Thread the cut heat shield with the upper flap and the rubber edge protection between the spacer sleeve and the original heat shield (horizontal line). The lateral distance between the marked stud and the heat protection should be 70 mm.
- 20 Make sure that the heat protection is a natural extension of the original heat protection (air filter box).
- 21 Mark the drill hole under the sleeve and drill an 8 mm through hole.

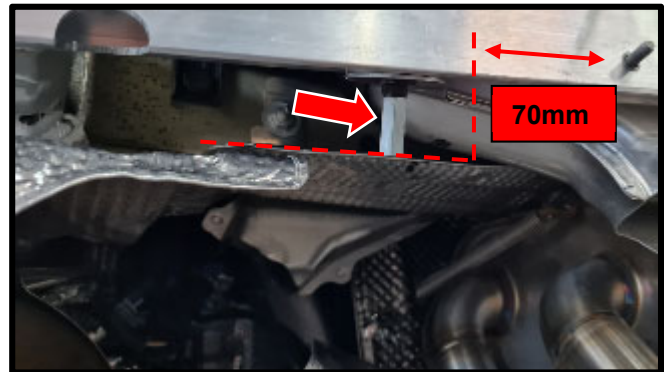


Fig. 96



Fig. 97a



- 22 Using two 6x20 mm washers, clamp the heat protection on both sides and screw the M6x16 mm screw to the threaded sleeve. Secure the screw with locking agent.
- 23 Also secure the outsides with two sheet metal nuts and screws for the original heat protection.

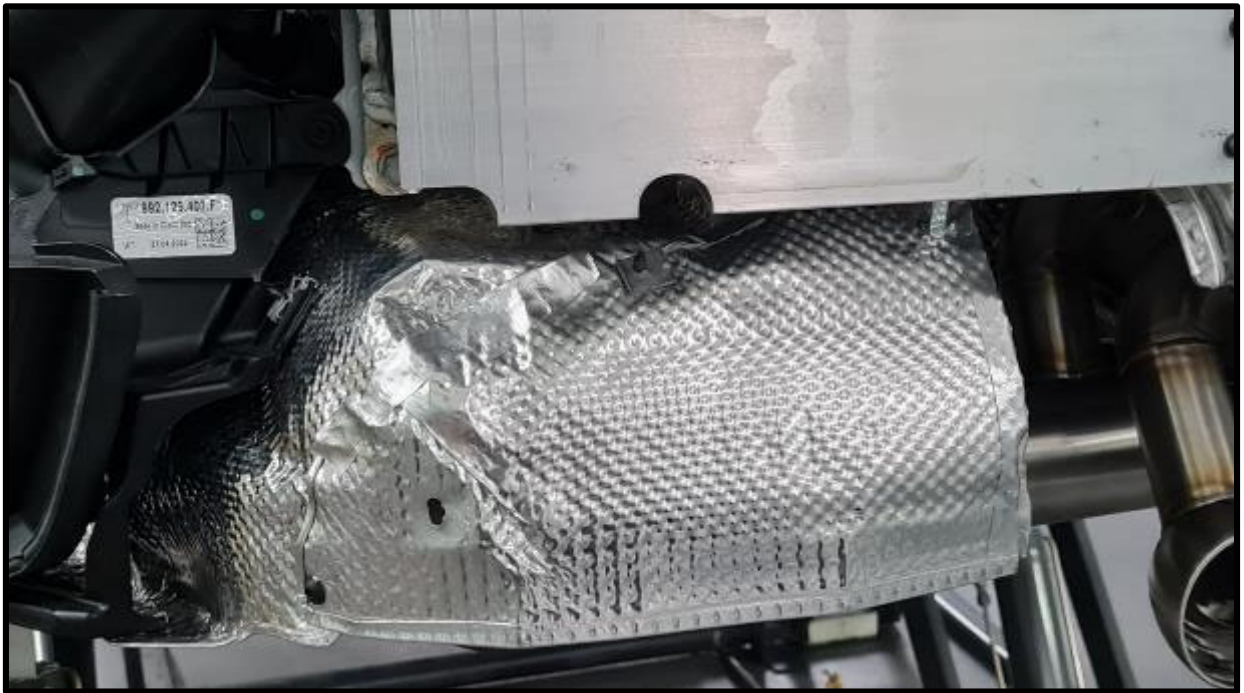


Fig. 97b



- 24 As can be seen in the adjacent picture, dismantle the original holder on the right and left of the body (black arrow).
- 25 Seal the holes with the 6.5x20x3 mm rubber washers and M6x10 mm screws. Provide this connection with screw locking, the screws do not have to be tightened (seals the body, red arrow).



Fig. 98

- 26 Mount the TECHART rear spoiler supports 092.100.885.310/311-01 on the left and right using the M8x35 mm screws supplied in the accessory pack.
- 27 Before tightening, turn the left holder clockwise so that the top front edge hits.
- 28 Hit the holder on the right-hand side counterclockwise and tighten it.



Fig. 99

- 29 Tightening torque 23 Nm.
- 30 Remove the front (red arrow) original screws from the carrier plate and replace them with one of the M10 x 20 washers supplied. These washers must later be placed under the sheet metal holder.



**19 Installation rear apron**

- 1 As can be seen in the picture below, the following parts must be connected to one another.
- 2 Connect the TECHART rear apron 092.121.585.100 (light gray) to the TECHART main beam (violet) 092.121.585.150.
- 3 Guide the M5x12 mm screws with 5x15 mm washers through the holes of the two parts and lock them with M5 self-locking nuts and 5x15 mm washers. If there is not enough space for the washers in some places, the smaller 5.3 mm washers can be used.
- 4 Connect the TECHART carbon diffuser 092.121.585.125 (orange) to the main beam as described above.
- 5 Sand the inside of the TECHART carbon insert 092.121.585.170 (dark gray) and clean it.
- 6 Apply body adhesive all around the inside of the insert and glue it to the main beam.

**i** Before gluing the TECHART carbon insert 092.121.585.170, slide it onto the main support to ensure that the component is correctly seated.

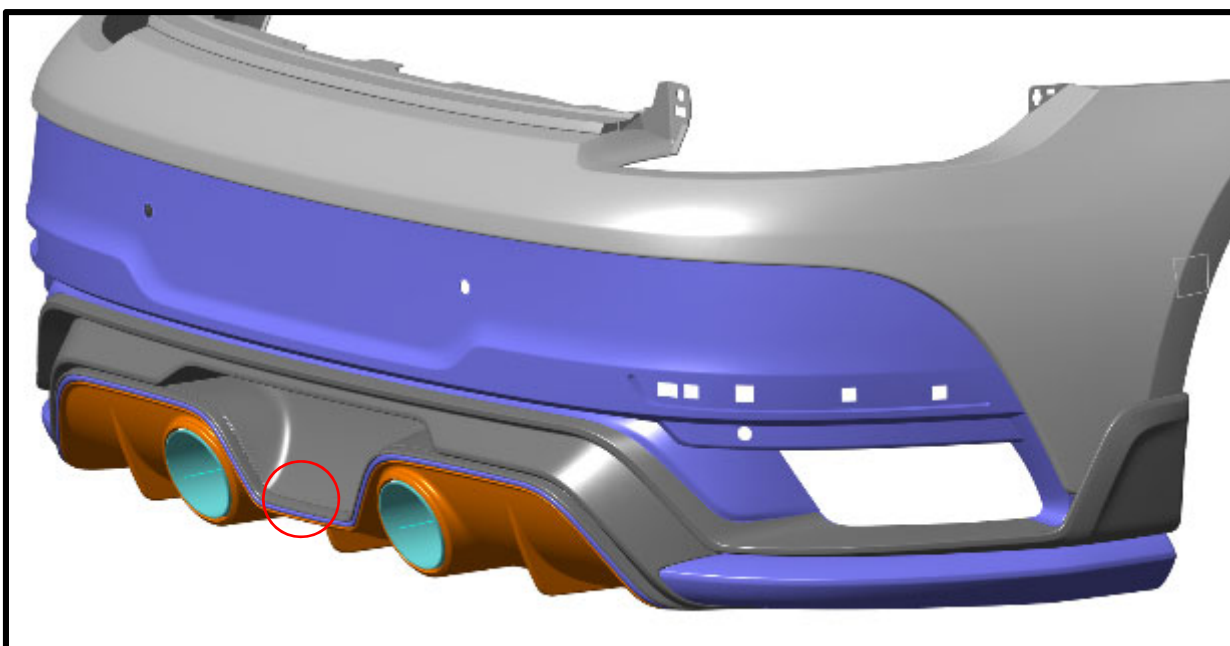


Fig. 100



- 7 Connect through the hole in the middle of the diffuser (red circle) with a BIGHEAD M5x14 mm, as well as with a nut and washer. To do this, mill the hole towards the front of the flange end so that a slot is created.
- 8 Modify the BIGHEAD as shown in the adjacent picture so that it can be inserted into the position.
- 9 Optionally, a screw with a hexagonal head can also be used here; this only needs to be secured against twisting.
- 10 Insert the tail pipes in the diffuser, align them and fix them with clips.
- 11 Mark drill holes for the diffuser.
- 12 Mark the top connection from the tail pipe to the main carrier as an open slot to the front on the flange.
- 13 Drill and mill all markings.



Fig. 101



Fig. 102



- 14 Place the supplied heat protection mat in the diffuser. **ATTENTION** do not remove the adhesive film yet.
- 15 Using the diffuser geometry, mark and cut out the required pieces. The diffuser must be completely lined with the heat protection.



Fig. 103

- 16 Place the heat protection panels on the tail pipes on the inserted, cut but not yet glued-in mat and mark them on the mat as well.
- 17 Now cut out the markings completely.
- 18 Then glue in the heat protection mat.
- 19 Use the remnants of the heat protection mat to line the areas above (carbon inserts) of the heat protection panels for the tail pipes.
- 20 Mount the tail pipes on the diffuser using the supplied 5x16 mm screws and 5x15 mm stainless steel washers.
- 21 Secure the upper fastening with a 5x16 mm screw and a 5x15 mm washer.
- 22 Glue the original reflectors into the rear apron. To do this, apply body adhesive to the back of the reflectors and insert them, fix the contour with adhesive tape.
- 23 Glue the review camera into the recess made using a little body adhesive. If necessary, the inner housing can be glued in and the camera clipped in from the outside.
- 24 Clip the license plate light into the recesses.



- 25 As can be seen in the figure, the parking sensors are glued into the apron with the supplied brackets and the adhesive pad. If the surface is too uneven, a little body adhesive can also be applied to the corners (red arrow). Attach an additional adhesive pad, if necessary.
- 26 Lay the cable harnesses with the original clips and new cable ties (black arrow).

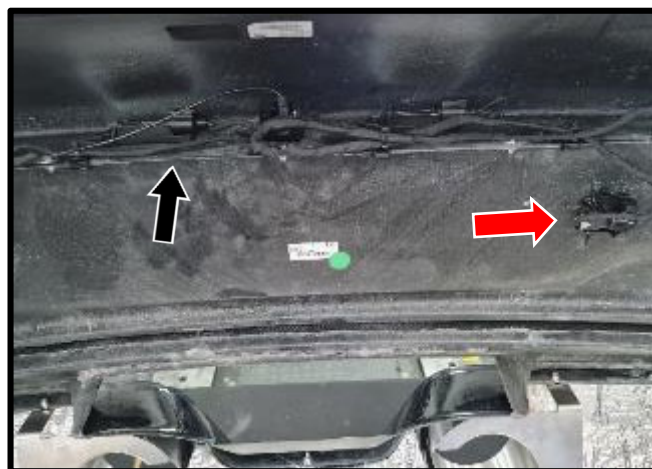


Fig. 104

**i** For vehicles with the original Remote ParkAssist, the cable harness for the later installation of the side sensors in the rear apron must be laid through the cutout. The installation will follow later.

- 27 Remove the letters from the original rear logo.
- 28 Sand the original rear logo from the inside and clean it, and also clean the rear apron thoroughly in the adhesive area.
- 29 Apply body adhesive to the lettering and place it flush on the rear apron.



Fig. 105

- 30 Also sand down the TECHART rear lettering, clean it and stick it over the original logo with body adhesive.
- 31 Mount the rear apron on the vehicle, therefore tighten at the top with the two screws 4.8x16 mm self-locking, as well as on the side at the transitions to the body.
- 32 Mount the four supplied brackets between the underside of the rear apron and the air filter console from the underside of the vehicle
- 33 The TECHART bracket 070.100.552.220 is mounted directly behind the wheel arch.
- 34 The TECHART holder 092.100.181.406 is mounted at the rear on the free sheet metal nut of the air filter console.



- 35 In the assembled state, drill a drill hole with a diameter of 5mm through the diffuser and the rear apron in the lower center of the rear apron.
- 36 Insert a 4.8x10 rivet through the hole. The inner / upper side is additionally reinforced with a 5x15 mm stainless steel washer.

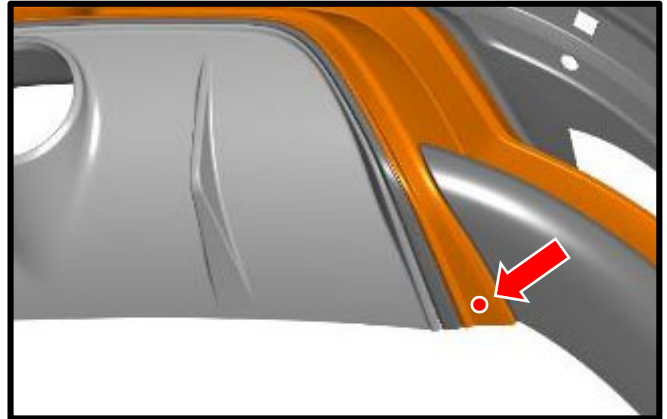


Fig. 106

- 37 For all brackets, holes must be made in the rear apron after attachment. Drilling diameter 6mm.
- 38 After drilling the holes, the holders are fitted with the original speed nuts and screwed together with the supplied 4.6x16 mm screws.
- 39 Slightly press the double U-clamps (supplied in the heat protection accessory kit) with pliers.
- 40 Use the clips to attach the heat shield to the tailpipe (red arrow).
- 41 Reconnect the wiring harnesses.



Fig. 107



- 42 Then reconnect the taillights to the vehicle.
- 43 Connect the cable harnesses.
- 44 The original screw is provided with a washer with a diameter of 13 mm and guided through the lamp, rear apron into the carrier plate (black arrow).
- 45 Before tightening the screw, pull the rear skirt up as far as possible (red arrow).
- 46 Mount the light strip on the vehicle and fasten it with the original screws and plastic holders.
- 47 Reconnect the cable harnesses.

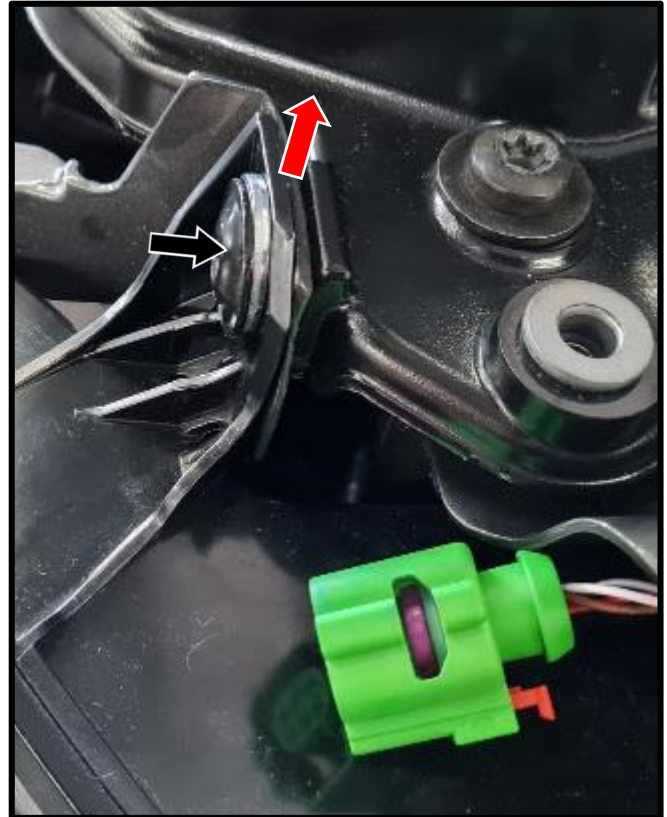


Fig. 108



**20 Installation rear spoiler**

- 1 Grind and clean the carbon air duct of the rear spoiler on the inside.
- 2 Also sand and clean the adhesive surfaces on the TECHART base body 092.121.885.100.
- 3 Apply body adhesive to the carbon part and slide the panels onto the base body. Fix the parts with tape.



Fig. 109

- 4 Sand down the plastic tab on the underside of the centered brake light so that it is flush.
- 5 Push the lamp into the base body and fasten it from the inside with the original nuts.
- 6 Connect the wiring harness to the lamp.



Fig. 110

- 7 Place the bottom carbon profiles 092121885205 upside down on a soft surface.
- 8 Place the base body on the carbon profiles so that the three threaded bolts on each side protrude through the hole pattern of the base frame. Tighten the rearmost (rearward direction of travel) threaded bolt with an M5 nut with a wave washer.



- 9 Push the air hose with a diameter of 57x700 mm including a 40-60mm clamp onto the cuff of the carbon air inlet on the left and right. Tighten the clamp on the cuff.



Fig. 111

- 10 Insert the sheet metal support 092.100.885.300/301 into the base body and place it on the two threaded pins. Tighten the sheet metal supports with an M5 nut with a wave washer per bolt.



Fig. 112

- 11 The part ending with .300 is the right support.

- 12 Guide the air hoses behind the sheet metal supports and press them into the rear contour so that the passage for the carbon rear spoiler supports is kept free.
- 13 After laying the air hoses, attach a clamp to the ends and fasten them to the connection piece in the base frame.

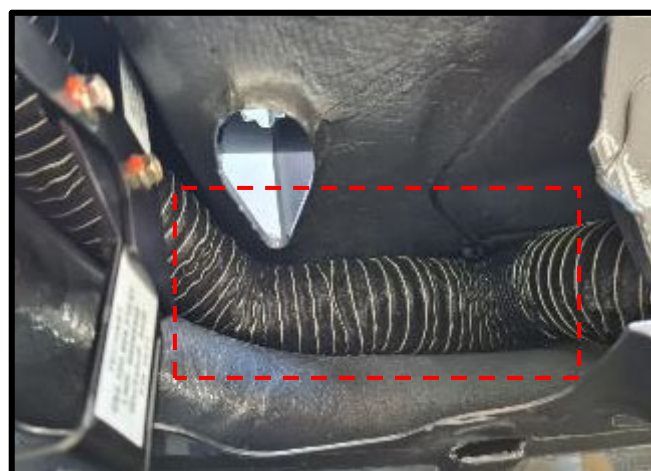


Fig. 113

- 14 Place the rear spoiler structure on the vehicle and push it forward so that the plastic holders are threaded into the base frame above the light strip.



- 15 From the inside, insert the M6x12mm / self-locking screws into the thread of the supports.
- 16 First both screws on the inside (red arrow), don't tighten them, yet.
- 17 Position the screw behind the holder (green arrow).

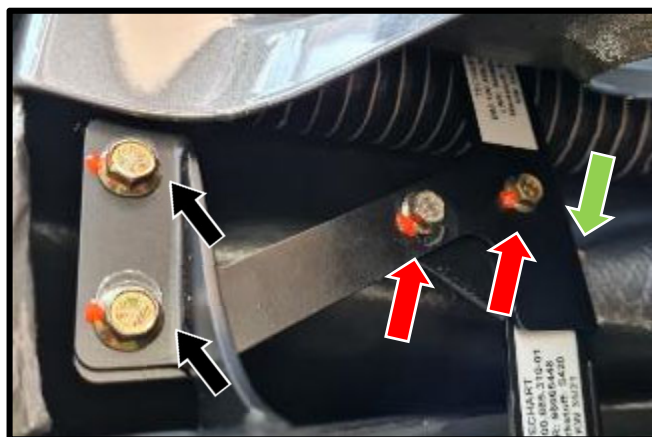


Fig. 114

- 18 Insert the bracket 092.100.885.320/321 and secure it with the two M6x12mm / self-locking screws.
- 19 It must be ensured that the front screw connections are provided with the above-mentioned M10x20 washer with a thickness of 2 mm.
- 20 Place the supplied M8x35mm and the original M6 screw from the original base frame on the carrier plate.
- 21 Tighten the M8 screw to 23 Nm.
- 22 Loosen all ten screws M6x12mm and align the base frame on the body using the oval-holes in the sheet metal holders.
- 23 Tighten all screws.
- 24 If the main body sits on the car as required so that the gap size of the adjacent body fits, the following text can be skipped.
- 25 Connect the wiring harnesses of the carrier plate to the vehicle.



**If the oval-holes or the adjustment play of the metal brackets are not sufficient to adjust the gap to the adjacent body, the rear spoiler, the light strip and the taillights must be dismantled.**

**Mount the light strip with the plastic holders again, as well as place the spoiler on the TECHART holder and tighten it.**

**As can be seen in the following figure, the height of the carrier plate can be adjusted using the two marked screws (red arrows) on the right and left. Tightening torque 30 Nm.**

**If the carrier plate is readjusted, the assembly begins again as described above.**





Fig. 115

- 26 Remove the two pre-assembled M6 screws from the carrier plate.
- 27 Slide the edge protection provided in the rear spoiler accessory pack onto the upper edge of the carbon air duct center 092.121.885.140 and trim it flush on both sides.
- 28 Place the carbon air duct in the middle of the base frame from above and align it so that the cables of the servomotor / centered brake light are fed through the recess next to the center flap.
- 29 On the right, route the brake light cable through the recess in the carbon part.
- 30 Tighten all three standard screws.



Once the settings have been made on the base frame, assembly of the rear spoiler can be continued as follows.



- 31 Glue the guide in the profiles on the left and right into the carbon profiles bottom.
- 32 To do this, apply a little body adhesive to the recessed adhesive surfaces, insert the guides and tap them to the rear.

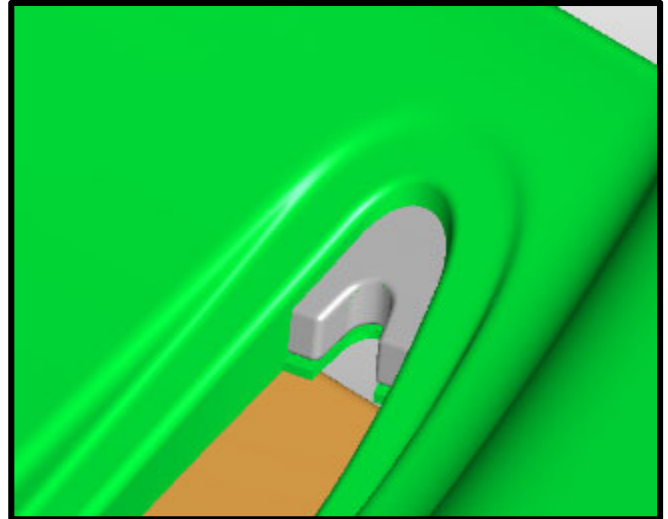


Fig. 116

- 33 Attach the original rubber caps (black arrow) to the aluminum mounts.
- 34 Put the dismantled spoiler mounts back on the supports and mount them with the original dowel pins (red arrow).
- 35 Provide the internal thread of the spoiler mount of the bolts with a small point of screw locking agent.

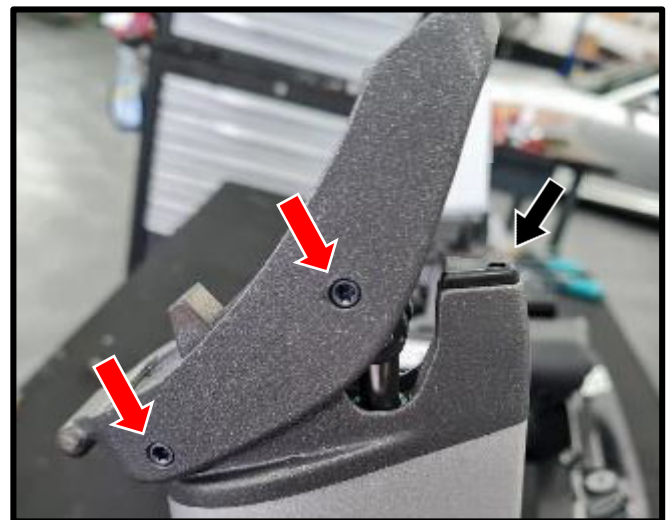


Fig. 117

- 36 Push the TECHART carbon profiles top 092.121.885.200 onto the aluminum mounts and mount it with the supplied M6x12 TX screws. Apply thread locking compound to the screws.



**21 Installation tailgate panel**

**i** Optionally, the tailgate can be masked all around the fan and painted black so that the vehicle color cannot be seen under the grille of the carbon cover.



Fig. 118

- 1 Screw the original engine cover lower part onto the body and align it.
- 2 Grind and clean the drilled outer surfaces of the holder.
- 3 Fit all brackets with sheet metal nuts M6 and pre-assemble them from the inside with M6x12 mm stainless steel screws as shown above.
- 4 Flat holders (red arrow)
- 5 High holders (black arrow)
- 6 The middle holder is mounted in the center.
- 7 Sand the carbon tailgate panel all the way around the air outlets and clean it.
- 8 Also, in the area of the holder, grind the carbon part well and clean it.



Fig. 119



- 9 Glue the grille blanks 092.100.785.400/401 into the air outlets of the carbon part on the back using 2K-adhesive.
- 10 Apply 2K-adhesive to the top of the holder.
- 11 Put on the cover and align it with the surrounding body edges.
- 12 Fix the carbon tailgate panel with adhesive tape.
- 13 After the glue has dried, dismantle the entire panel and additionally attach the holder on the back with 2K-adhesive. The holders must be coated with glue over the entire surface.
- 14 Reinstall the tailgate panel after the adhesive has dried, apply screw locking agent and tighten the screws.



**22 TECHART roof spoiler**

- i** Before assembly, place the roof spoiler on the windshield, mark the side of the seat with adhesive tape.

Clean the adhesive area well and only prime the adhesive area with the VARIOPRIME supplied.

The exact gluing area is shown in the figure below.

- 1 1 Grind the roof spoiler within the red marked area as shown in the picture below.



Fig. 120

- 2 Apply body adhesive evenly to the adhesive surface of the TECHART roof spoiler 092.121.600.100.
- 3 Place the roof spoiler flush with the roof edge. Convey the side gap to the body.
- 4 Fix the roof spoiler with adhesive tape.



Fig. 121

- i** Allow to dry for at least 12 hours.

- i** On vehicles with a rear window wiper, the original wiper blade must be shortened by 100mm at the top.



- 5 Remove the end piece of the windshield wiper.
- 6 Shorten the rubber and the two metal bars by 100 mm.
- 7 Transfer the original metal contour to the sawn piece and finish it with a mill.  
Protect the machined areas against rust with VARIOPRIME.
- 8 Replace the original plastic cap and mount the shortened wiper blade on the vehicle.



**23 TECHART Carbon air intake**

**i** For vehicles with unpainted black structured air intakes, these must be pretreated as described below.

- 1 Place the TECHART carbon air intake on the series component and fix it with adhesive tape.
- 2 Mask the inner component edge (red marking) with adhesive tape.
- 3 Unclip the original air outlet and sand with 320 grit sandpaper outside the masked area and clean with cleaner.
- 4 Prime the sanded area with BETAPRIME 5404.
- 5 After the primer has dried, clip the air intake back in.



Fig. 122

- 6 Apply body adhesive to the adhesive surfaces (red markings) of the TECHART carbon air intake 092.121.480.100/101.
- 7 Glue the TECHART carbon air intakes onto the original air inlets in the side panel.
- 8 Fix the air intakes with adhesive tape.



Fig. 123

**i** Remove any adhesive that emerges immediately with a cleaner.  
The drying time must be at least 12 hours.



**24 Preparations for assembly of the side skirts and carbon extensions**

**i** Before the side skirts and extensions are glued, all parts must be aligned on each side and pre-fixed with adhesive tape in order to determine and set the component transitions.

- 1 Stick the PU part of the side skirt to the car with adhesive tape.
- 2 Attach the front and rear extensions to the car as well.

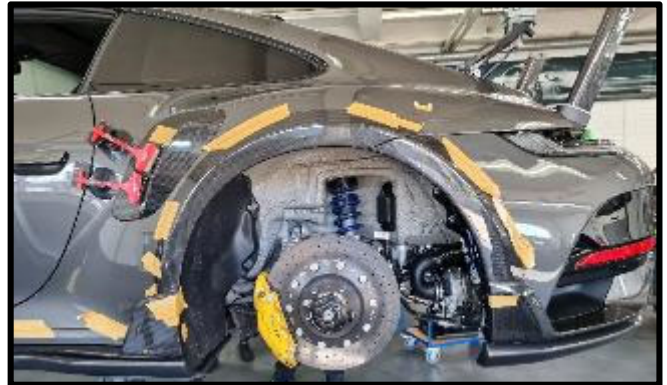


Fig. 124

- 3 The transitions of the extensions to the side skirts and the rear carbon fin may have to be readjusted a little. If these match, the side skirts and the front extension can be removed and finally installed as described below.
- 4 A component gap of  $<2.5$  mm must be achieved.



Fig. 125

**i** For light vehicle paintwork, TECHART recommends painting the background of the component transitions with a black paint.



**25 Installation side skirts and extensions**

**i** Sand the back of the adhesive surfaces of the PU side skirts and the carbon inlay with 180 grit sandpaper and clean with cleaner.

- 1 Apply body adhesive evenly to the inner adhesive surfaces of the TECHART side skirts 092.100.357.100/101.
- 2 Glue the TECHART side skirts to the vehicle. Align the side sill flush with the body at the front and fix it flush with the widening at the back of the car (red arrow).

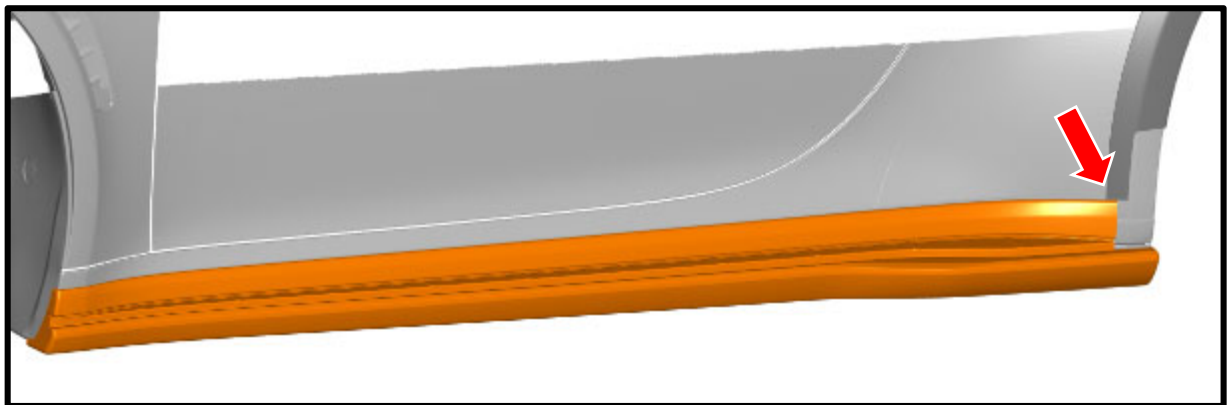


Fig. 126

**i** Allow to dry for at least 12 hours.

- 3 Place the TECHART side skirt flush with the underbody of the original side skirt and drill through all the holes with a 6mm drill. ATTENTION: only drill through the plastic. If necessary, use a drill stop to avoid damaging the air conditioning lines / serve lines behind.
- 4 Provide each hole with a plastic expanding rivet and press the pin in flush.



- 5 TECHART recommends making a fillet on the edge of the component on the upper edge of the side skirt. For this purpose, the adhesive can be modeled all around using PU adhesive and a suitable tool. Then wipe off excess glue with a cleaner.

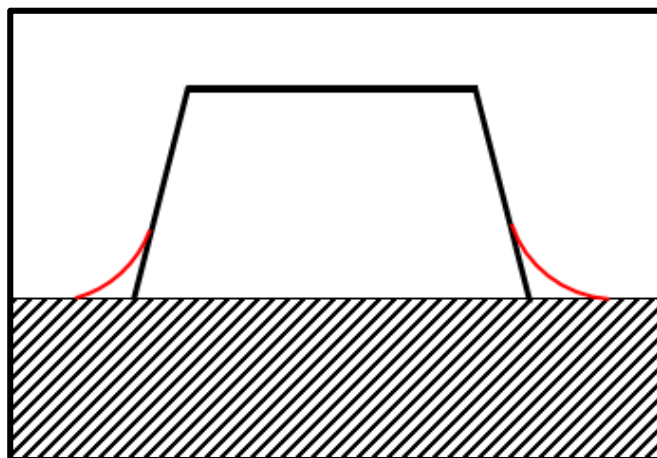


Fig. 127



**For vehicles with Porsche Remote ParkAssist, the rear carbon fiber extension for the rear apron must be fitted with the holder for the side parking assistant before installing. This step is described in the following chapter.**



**26 Preparing the extension for vehicles with Porsche Remote ParkAssist**

- 1 Clip the parking sensor into the TECHART holder 058.100.150.101-01 and attach the original rubber seal.
- 2 Apply the provided adhesive pad to the outside of the holder.
- 3 Insert the holder including the sensor into the extensions so that the connector of the sensor is horizontal to the road.

If necessary, fix the adhesive area with a few points of adhesive and remove the sensor from the holder.



**After the widening has been glued, the sensor is clipped back into the holder from the inside.**



**27 Installation of extensions**

- 1 Sand the rear extensions of the side wall and the rear apron and clean them.
- 2 Apply body adhesive all the way around the widening, do not apply adhesive to the sides of the extension located at the bottom of the vehicle, so that any condensation that forms can run off downwards.
- 3 Place the extensions on the body and fix with adhesive tape.
- 4 Sand the back of the TECHART carbon side skirt insert 092.121.357.110/111 and clean it.
- 5 Apply body adhesive evenly to the adhesive surfaces of the carbon insert.
- 6 Place the TECHART side skirts insert on the TECHART side skirts and fix with adhesive tape.

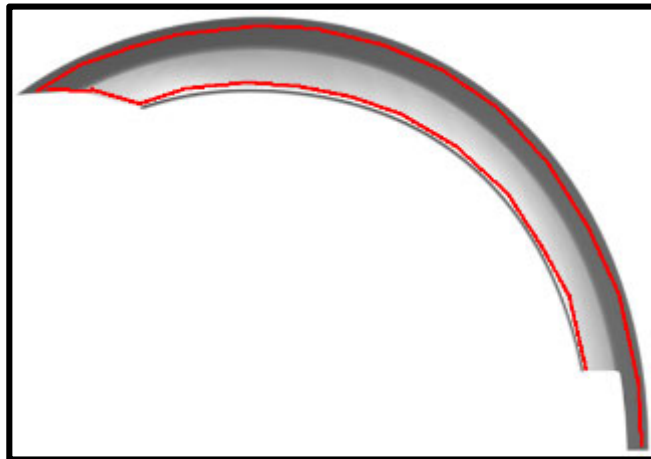


Fig. 128

- i** After the extension has been glued, the sensor is clipped back into the holder from the inside.
- i** Immediately remove any body adhesive that emerges with a cleaner.  
The drying time must be at least 12 hours.



- 7 Only sand and clean the extension of the fenders on the back in the adhesive area.
- 8 Apply body adhesive all around the adhesive area. As with the rear extensions, keep a drain for condensation water at the bottom.
- 9 Place the extension on the fender and align it flush with the side skirt at the bottom (red arrow).



Fig. 129



**28 Installing the wheel arch liners**

1 1 Insert the rear wheel arches and secure with the original bolts and nuts.

2 Remove the holder shown on the left and right of the radiator console (red arrow).



Fig. 130

3 Push a 4.8 mm sheet metal nut supplied between the two metal lugs in the direction of the arrow and mark the screw hole.

4 Remove the nut again and drill a 5.5 mm through hole only through the metal support.

5 **ATTENTION** do not drill into the electric fan behind the carrier.

6 Deburr the hole and seal it against corrosion with VARIOPRIME.

7 Then slide the speed nut back on.



Fig. 131



- 8 The rear wheel arch liner of the front axle on the right must be processed in such a way that the marked dome is completely detached and thus the wheel arch liner has more wheel clearance later.



Fig. 132

- 9 Extend the hole for the two fastening nuts to the body by approx. 11mm in the direction of the arrow in the direction of the cutout (see arrows) on the rear wheel arch liners of the front axle.

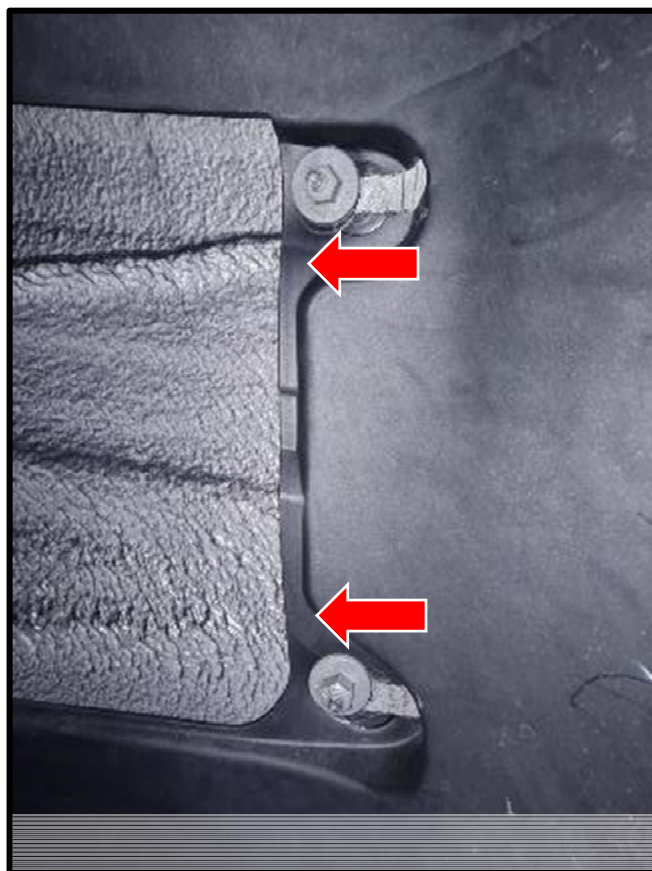


Fig. 133



**i** **Attention:** The following processing occurs on the left and right wheel arch, but is processed with different contours. In this case, the machining operations cannot be mirrored.

- 10 Cut the rear wheel arch liner on the front axle as described below.
- 11 Hold the wheel arch liners in the wheel arch, push them to the outside of the vehicle to close the gap created by the widened fender.
- 12 Here, the wheel arch liner in the area of the transition from the side skirt to the fender cannot adapt to the new contour, so the wheel arch liner must be trimmed slightly in this area.
- 13 **ATTENTION:** The picture shows a schematic representation of the section, this must be correctly determined on the vehicle.



Fig. 134



- 14 After trimming, tighten all the screws on the wheel arch and push the wheel arch outwards as far as possible so that the gap on the fender to the air outlet is closed. Then tighten the screws.
- 15 The picture on the right shows the trimmed wheel housing with a closed gap.
- 16 The wheel arch is now not trimmed below, as shown, but uncut above the grille.
- 17 Now, as the line indicates, the contour of the grid must be cut out with a cutout that has been reduced in size by approx. 1 cm.
- 18 After trimming, the wheel arch liner is pushed behind the air outlet.



Fig. 135

- 19 Rivet the grilles of the fenders with the plastic expanding rivets in the previously drilled holes. To do this, insert the rivet and press the pin in flush.
- 20 Tighten all screws and nuts on the wheel arch liners.



- 21 In the wheel arch at the rear right of the front axle, instead of the detached dome, the black plastic disc with a diameter of 50 mm is replaced with a sheet metal screw 4.8x25 mm screwed into the wheel arch.



Fig. 136

- 22 The front wheel arches of the front axle must now be trimmed according to the same scheme as described above.
- 23 To do this, insert the wheel arches, mark and cut out the interfering area at the top of the air outlet of the fender.
- 24 Fit all screws on the front wheel arches.
- 25 Instead of the 5.5 mm hole made on the radiator frame, the wheel housing liner is mounted with the supplied 4.8x25 mm screw and a 5x20 mm washer.
- 26 When assembling, push the wheel arch as far as possible in the direction of travel and tighten with all screws.



**29 Installation of the lock cover**

- 1 As shown in the picture below, the two pegs, the clips and the indentations on the left and right are cut out.



Fig. 137



**Make sure that the domes remain on the outside of the indentations, they still have a function.**

- 2 Mount the original lock carrier cover on the vehicle and line the upper surface with adhesive tape. Place the TECHART lock panels left and right 092.100.185.300/301 on the masked surfaces.



Fig. 138



- 3 Close the hood downwards and align the panels through the two air ducts of the hood.
- 4 Mark the inner geometry of the two panels with a pen all around.
- 5 Open the hood and remove the panels again.



Fig. 139

- 6 Enlarge the marked cutout by 15 mm all around and cut out the cutout from the original cover. **ATTENTION**, be careful here too that the side clip on the back of the original cover is not cut off.
- 7 Reinstall the original cover, insert the TECHART parts, align using the hood and then mask the external dimensions of the TECHART lock covers with adhesive tape.
- 8 The inner area can then be sanded, cleaned and primed with BETAPRIME 5404.
- 9 Also sand and clean the back of the TECHART panels.
- 10 Place the supplied cut-to-size grids and fold the tabs over the component edge of the lock panels.
- 11 Grind and clean the panels around the shaft on the outside on which the grille rests.
- 12 Put the grille back on and fix it with body adhesive. If necessary, fix the grille with pliers.
- 13 With a few points of 2-component adhesive, the grille can be quickly fixed and assembly can be continued.



Fig. 140



- 14 Clean the adhesive areas of the original panel and the TECHART panel again.
- 15 Apply body adhesive all around the back of the panel and place it on the original panel using the masking.
- 16 Close the hood and align the panels exactly as required through the shafts.
- 17 Then fix the panels in place with adhesive tape and make sure that they are well-set on all sides.



Fig. 141

**i** Then the hole of the original cover for the TECHART stop buffers is drilled. For this purpose, two ways are described how the hole can best be drilled.

- 18 Determination of the drilling position by measuring the center of the screw on the plastic cover.
- 19 Determination of the drilling position by using spotting paint that is applied to the screw head and then pressing on the cover from above.
- 20 Provide the determined drilling point with a through-hole of 10 mm.



- 21 Remove the front screws on the fender.
- 22 Instead of the screw, provide the M6x50 mm threaded pin with M6 nut with a wave washer, screw in and completely screw on the supplied stop buffer.
- 23 Then set the height of the stop buffer by closing the hood (until it clicks into place) and correcting the height of the threaded pin.
- 24 After you have adjusted the height, tighten the nut and insert all the plastic covers on the trunk lining.
- 25 Provide the stop buffer with screw locking and place it on the set threaded rod as far as it will go.



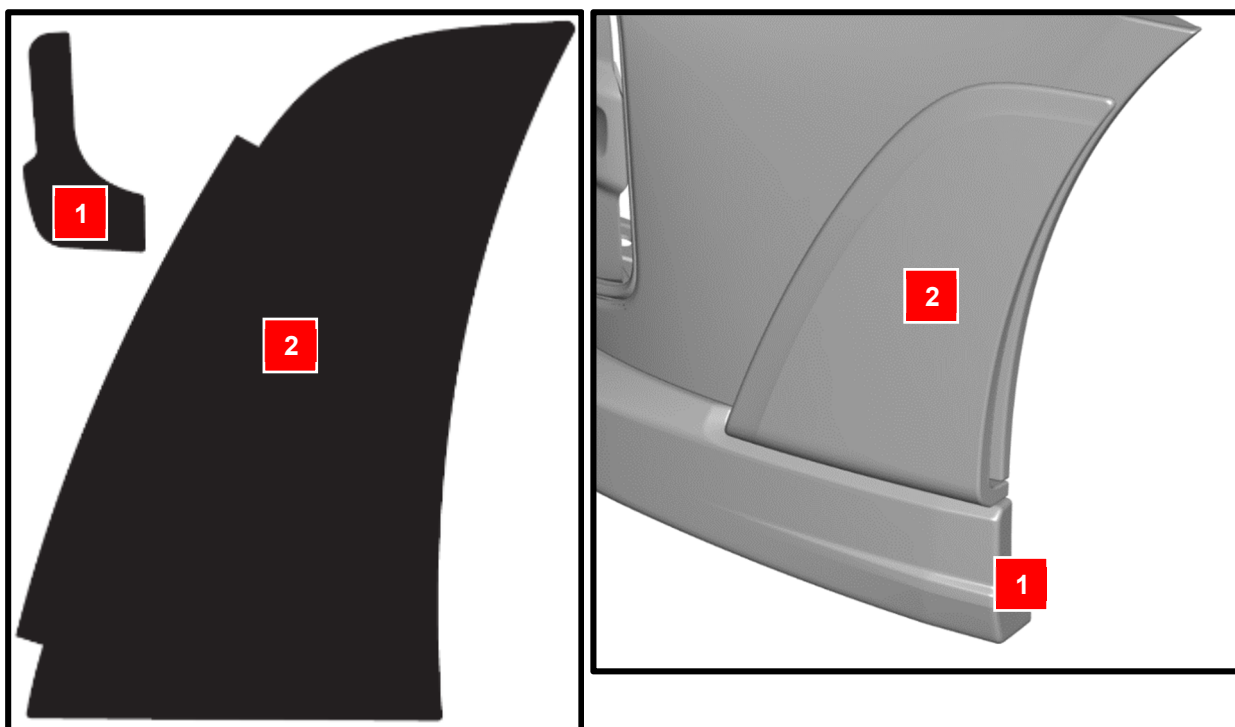
Fig. 142

**i** Make sure that the height of the stop buffer is not set with the buffer itself, but by turning the threaded pin in and out of the body.



**30 Installation of stone protection foil**

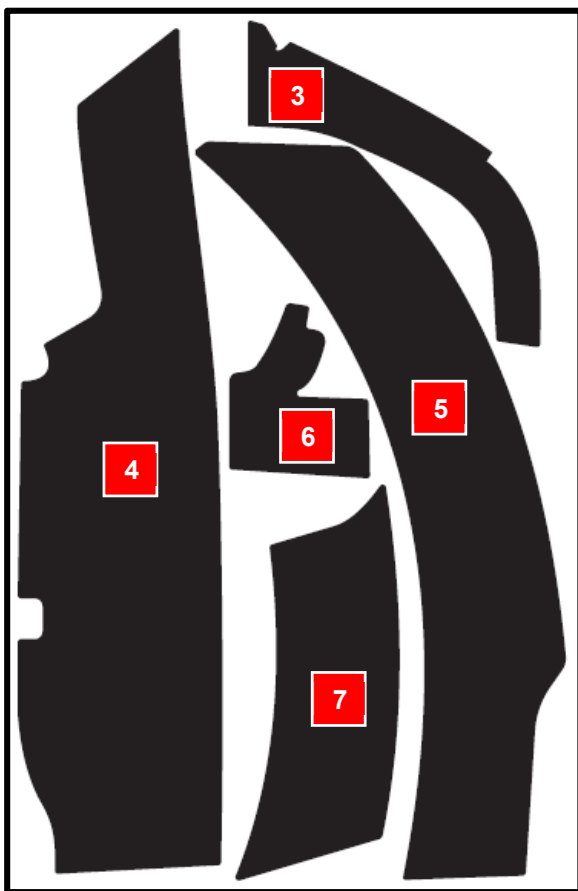
- i** If the GTstreet R kit contains the TECHART foil set, apply it as described below.  
The scope supplied by TECHART contains a set of foils that protect the most important or critical surfaces from falling rocks or wear.  
An extended foiling is not part of this set.



Bow: 092.140.185.100 (left)

Fig. 143





Bow: 092.140.357.100 (left)

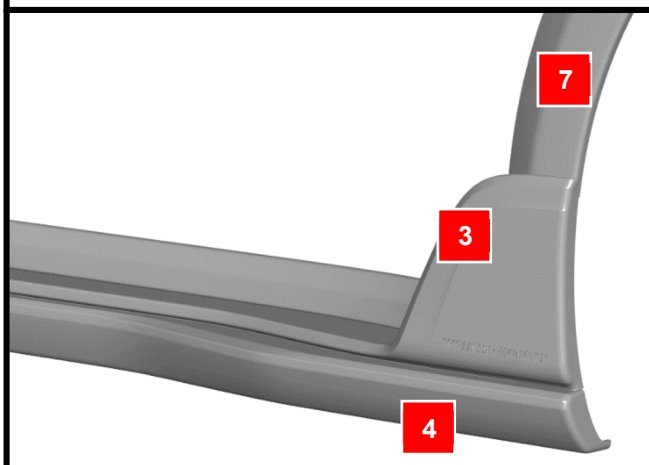
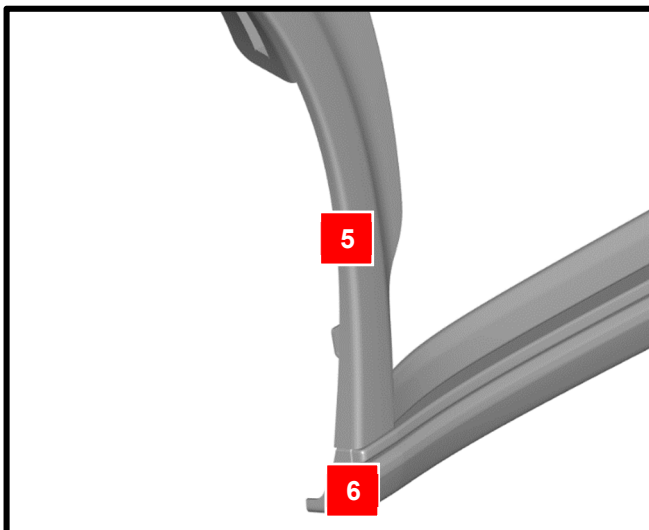


Fig. 144



Bow: 092.140.480.100 (left)

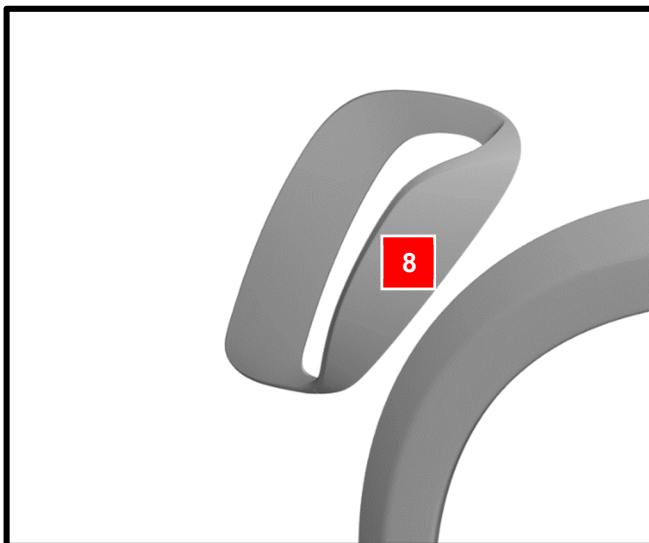
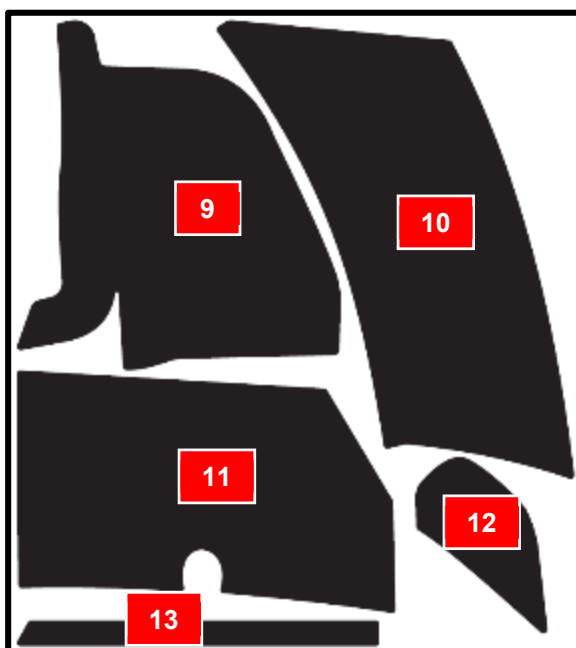


Fig. 145





Bow: 092.140.585.100 (left)

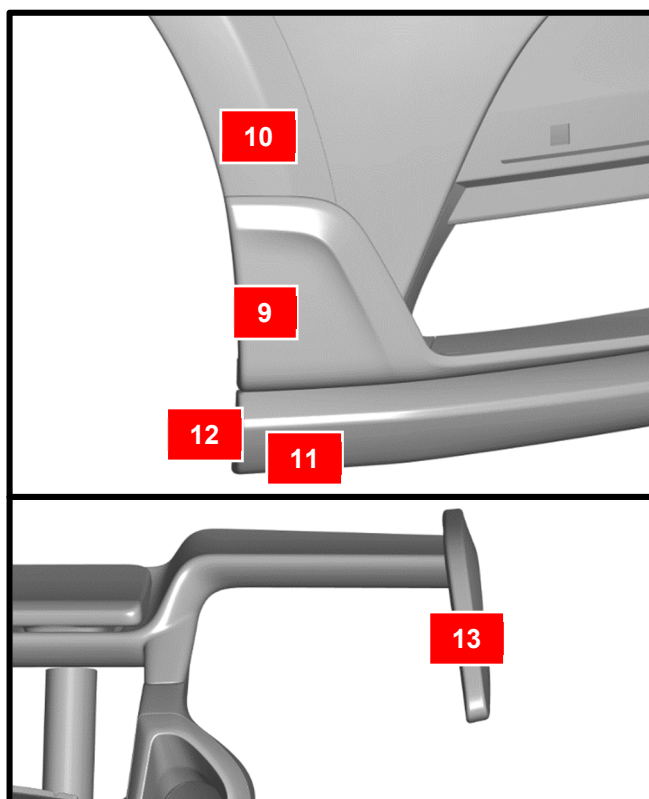


Fig. 146



**31 Installation of TECHART GTstreet R decor set**

If the GTstreet R kit contains the TECHART decor set, apply it as described below. TECHART recommends having the decor set applied by qualified personnel.

The following illustration shows the position and description of the decor set.

If you have further questions, please contact TECHART support.



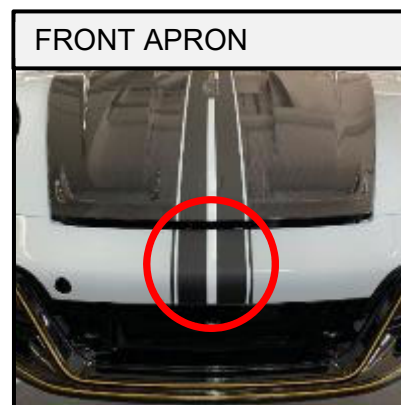
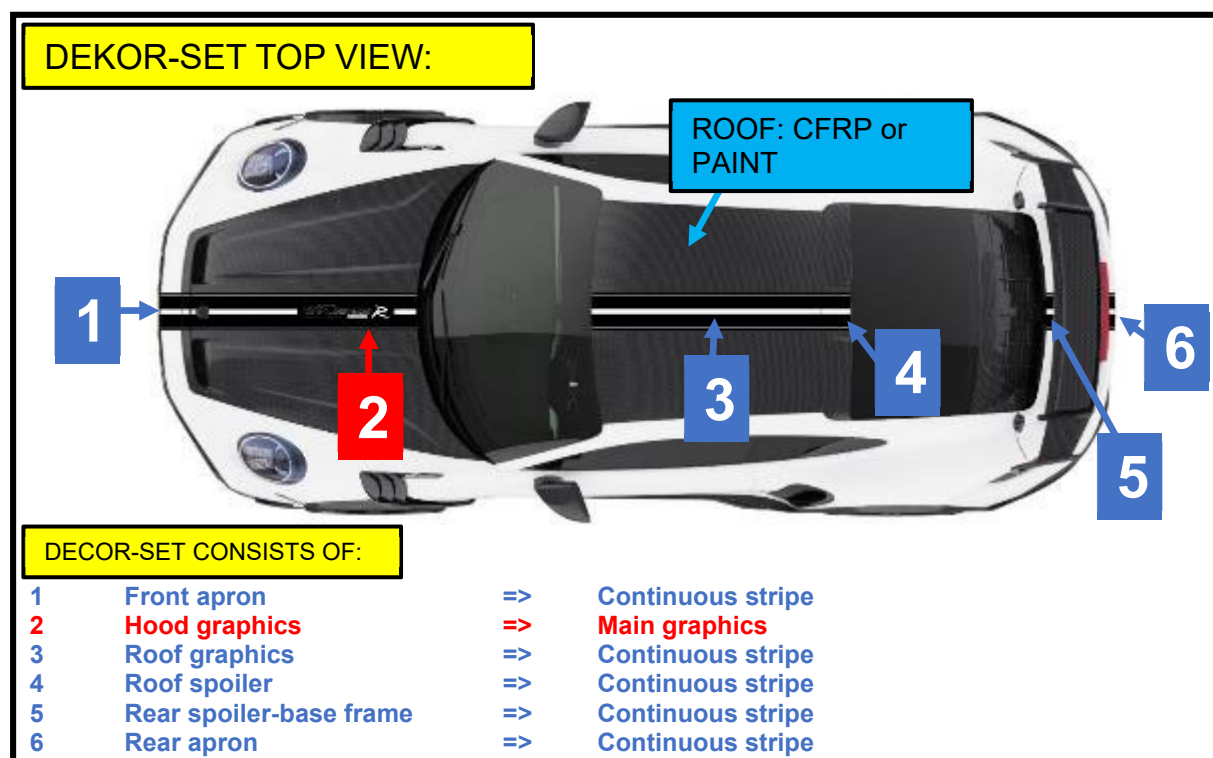


Fig. 147



**32 Completing the vehicle**

- 1 Make sure that the A/C and the air condition system are filled.
- 2 Rectify the entire fault memory. (PIWIS 3)
- 3 Relearn the rear spoiler the front spoiler and rectify the fault memory again. (PIWIS 3)
- 4 If not already done, the cooling system must be refilled and vented with the PIWIS tester.
- 5 Perform an air conditioning compressor intake with the PIWIS tester.
- 6 Mount the wheels, observe the torques according to the manufacturer's instructions. On wheels with 5-hole fastening, the wheel bolts are tightened to 160 Nm. In the case of wheels with central locking, these are tightened to 600 Nm, loosened by 90 °, and then tightened again to 600 Nm ATTENTION, the wheels must be freely suspended.
- 7 If a new undercarriage is installed, a new measurement must be carried out according to the manufacturer's instructions.
- 8 After the new measurement, the steering angle sensor must be calibrated according to the manufacturer's specifications and the power steering stops must be relearned. (PIWIS 3)
- 9 If the vehicle is equipped with ACC, night vision assistant or front camera, these must be recalibrated. (PIWIS 3)
- 10 The headlight range control must be learned again in order to be able to readjust the headlights. (PIWIS 3)
- 11 Carry out a test drive with the vehicle and then check the vehicle for leaks and check the fault memory. If there are errors, rectify them.



TECHART

TECHART AUTOMOBILDESIGN GMBH

RÖNTGENSTRASSE 47  
71229 LEONBERG / GERMANY  
TEL +49 7152 / 9339- 0  
FAX +49 7152 / 9339-33  
[info@techart.de](mailto:info@techart.de)  
[www.techart.de](http://www.techart.de)

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