



ASSEMBLY INSTRUCTIONS

TECHART Shift Paddle
for PDK steering wheel with sliding switches

Part-no. 000.430.400.009-01





ASSEMBLY INSTRUCTIONS

TECHART Shift Paddles

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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.

	<p style="text-align: center;"> WARNING</p> <p>Risk of injury from electric current.</p> <p>Switch off the ignition and disconnect the battery when working on the vehicle electrical/electronics systems.</p>	
   	<p style="text-align: center;"> WARNING</p> <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> <p style="text-align: center;">  </p>	  



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	<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>	

	NOTICE
	<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>

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



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TECHART Shift Paddles

II Preparation

Number of people required



At least two people are required to install this product.

Help and support

If you have any technical queries, please contact us immediately:

support@techart.de

Check that the parts kit is complete

Quantity	Part Number	Description
1	000.430.400.009-01	TECHART Shift Paddles
Consisting of:		
1		Shift paddle right
1		Shift paddle left
1		Panel right
1		Panel left
2		Screw M3x4
8	0009004X067644	O-Ring 4x0.6
4	00090146800420	O-Ring 4x2
1	000919113.140	Needle
1	000205000100	Grease
1	00090103,0/1,6	Shrink hose length 25mm

1 Prepare vehicle



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

2 Detach steering wheel from the vehicle

According to the guidelines of the Porsche workshop manual.



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- ⚠ Do not dismantle the steering wheel cover according the Porsche repair guide!!! Dismantle the steering wheel cover without undue force (hammer scale), nondestructive. Please observe the TECHART assembly instructions.**

III Installation

1. Dismantle steering wheel

- i Caution, that the cables and plugs won't damage the steering wheel cover.**

- 1 Unhook the airbag security bracket downwards and unclip the cover of the steering wheel (1).

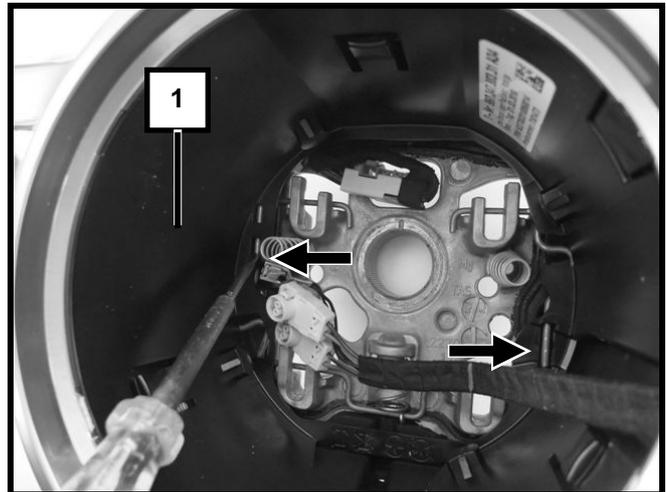


Fig. 01

Dismantle both sliding switches as follows (2 - 5).

- 2 Press sliding switch.
3 Unclip the rear panel (2) from the sliding switch through the then visible notch by using a screw driver.

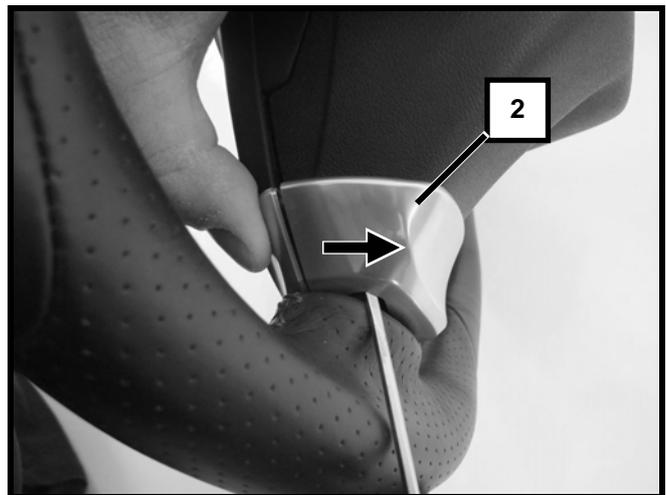


Fig. 02



ASSEMBLY INSTRUCTIONS

TECHART Shift Paddles

- 4 Lever the rear panel (2) from the sliding switch with a plastic wedge from the top towards the back.



Fig. 03

- 5 Lever the rear panel (2) from the sliding switch with a plastic wedge from the bottom towards the back and detach.

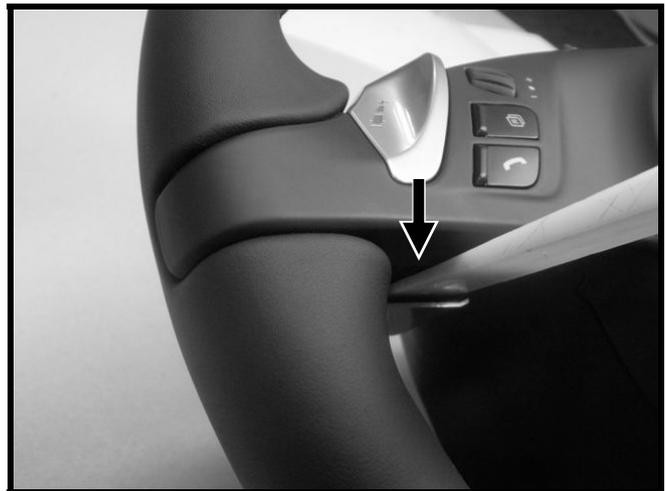


Fig. 04

- 6 Unscrew both screws which are located below the rear panel (3) and remove the panel.

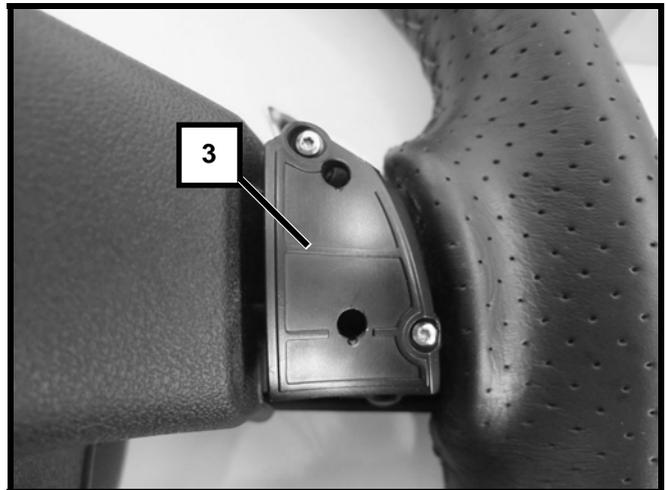


Fig. 05

- 7 Press the steering wheel cover (1) at the lower spoke from the front side towards the front and remove it from the steering wheel.

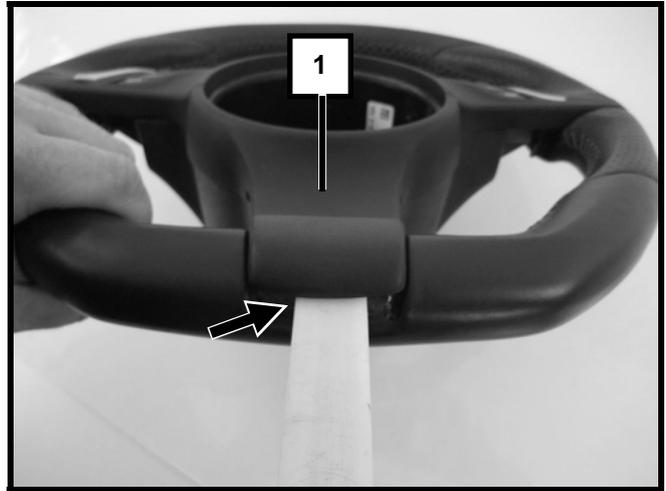


Fig. 06

- 8 Press the steering wheel cover (1) on both openings of the sliding switch towards the front by turning evenly and in several steps; then remove it.



Fig. 07

- 9 Remove the catch (see arrow).

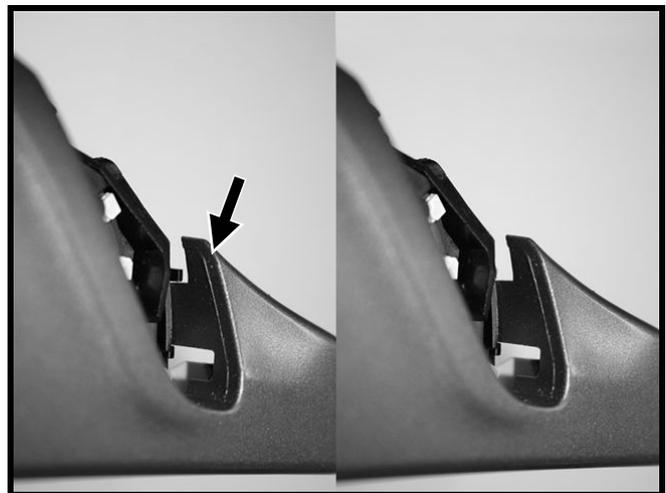


Fig. 08

2 Dismount sliding switch

- 1 Unplug both plugs A & B from the right gearshift housing (5).
- 2 Unscrew the right gearshift housing (5).

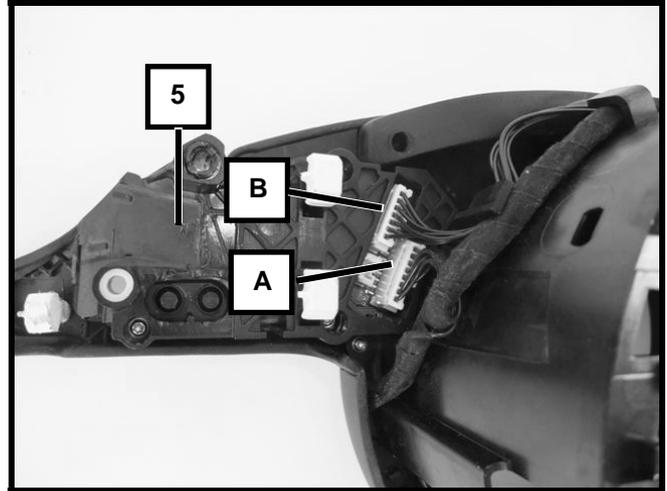


Fig. 09

- 3 Unplug the plug C from the left gearshift housing (6).
- 4 Unscrew the left gearshift housing (6).

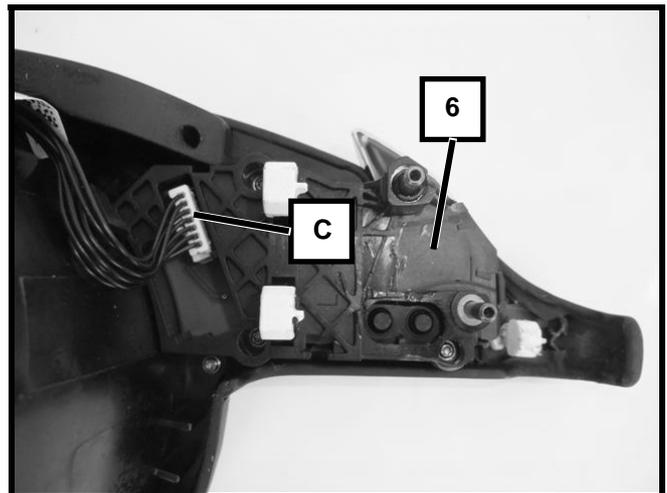


Fig. 10

- 5 Remove the screws between the drum (4) and the steering wheel cover (1) and then remove the drum (4).

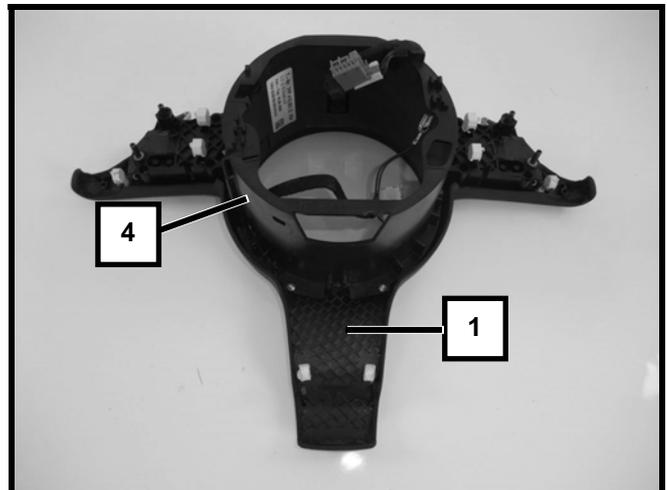


Fig. 11

- 6 Remove both front shifters (7) from the gearshift housing (5+6) towards the front.

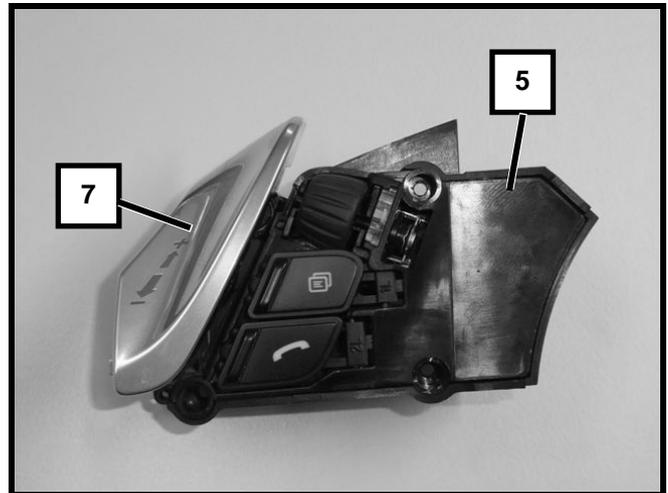


Fig. 12

i Caution, the ball linings have to stay within the gearshift housing.

- 7 Fasten the right gearshift housing (5) onto the steering wheel cover again.

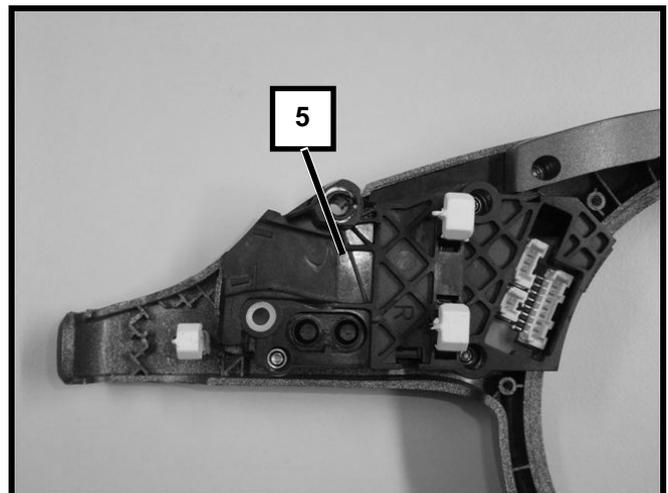


Fig. 13

- 8 Fasten the left gearshift housing (6) onto the steering wheel cover again.

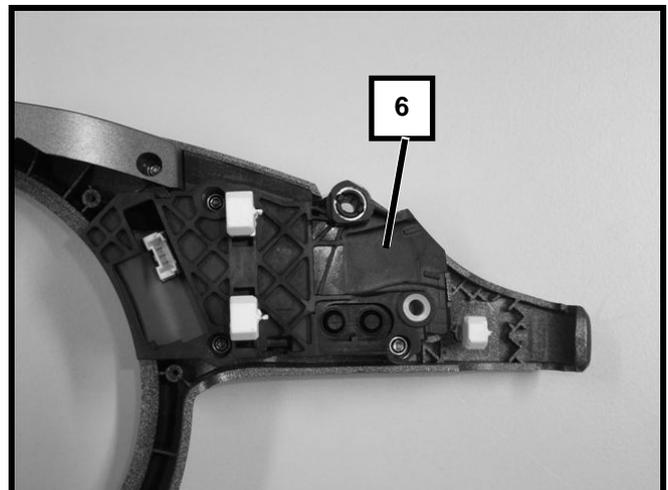


Fig. 14

3 Adapt wiring

- 1 Rework both plugs from the right gearshift housing (5).

Plug A = 8 cables

Plug B = 4 cables w/o multifunction

Optional:

Plug B = 7 cables with multifunction

Optional:

Plug B = 11 cables with Sport Turbo

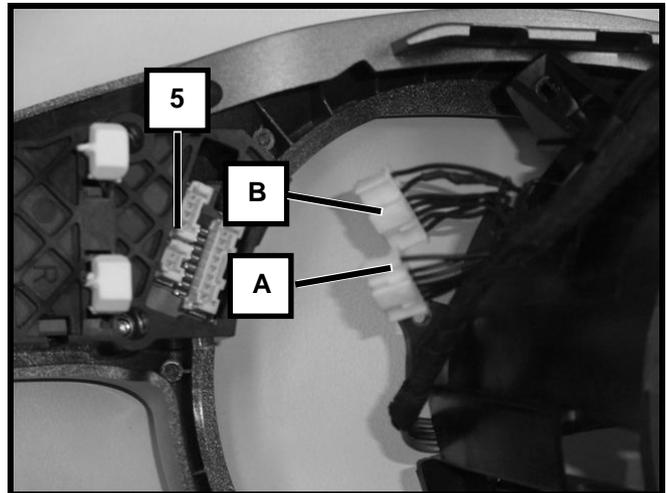


Fig. 15

- 2 Mark pin 6 from the plug A and unplug it as follows:
Carefully lift the detent with the needle, pull cable from the plug and lay the cable aside.

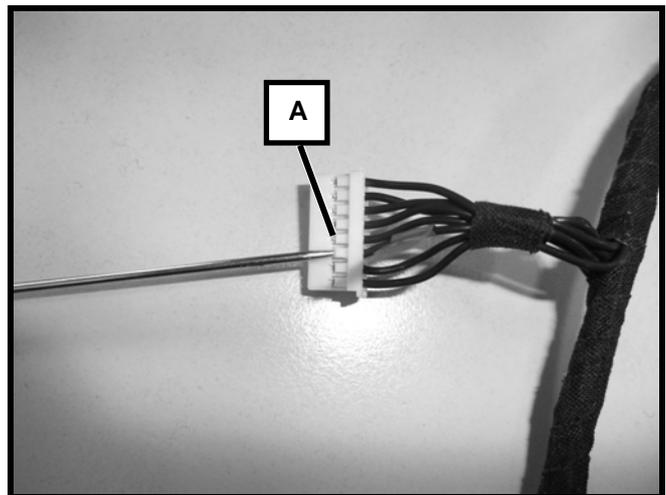


Fig. 16

- 3 Unplug pin 7 from plug A. Insert the cable into the opening of pin 6 until it snaps.

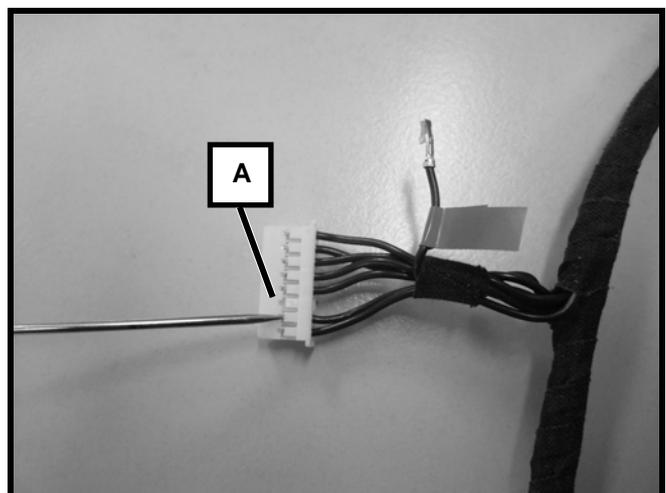


Fig. 17

- 4 **Without multifunction: 4 cables**
Unplug pin 3 from plug B.

no fig.:

- 5 **With multifunction: 7 cables**
Unplug pin 6 from plug B.

- 6 **Sport Turbo: 11 cables**
Unplug pin 6 from plug B

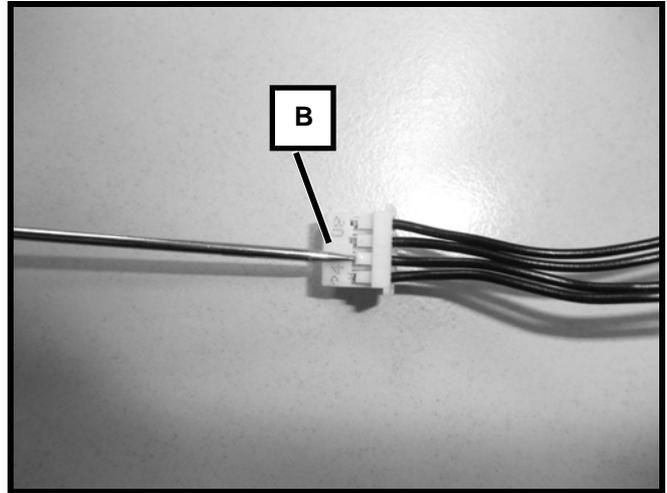


Fig. 18

- 7 Connect the marked cable from plug A pin 6 with the cable from plug B pin 3 (pin 6). For that hold both cable heads parallel to each other (8). Pull the shrink hose (7) over both cable heads and shrink it with a hot air gun.

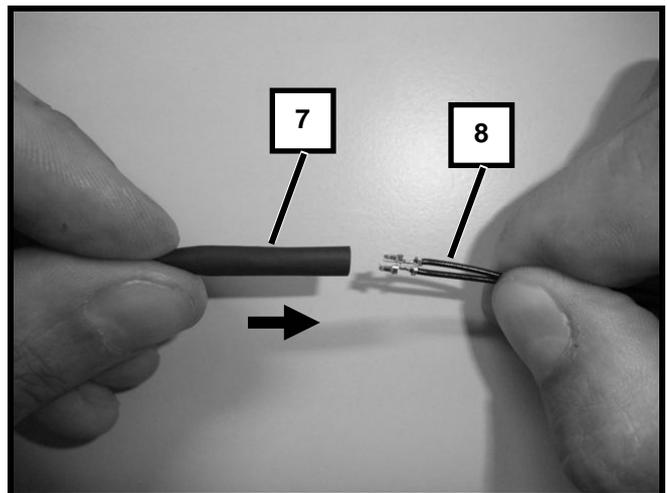


Fig. 19

- 8 Screw the drum (4) onto the steering wheel cover (1).
- 9 Clip the wiring harness into right gearshift housing (5).
- 10 Clip the wiring harness into left gearshift housing (6).

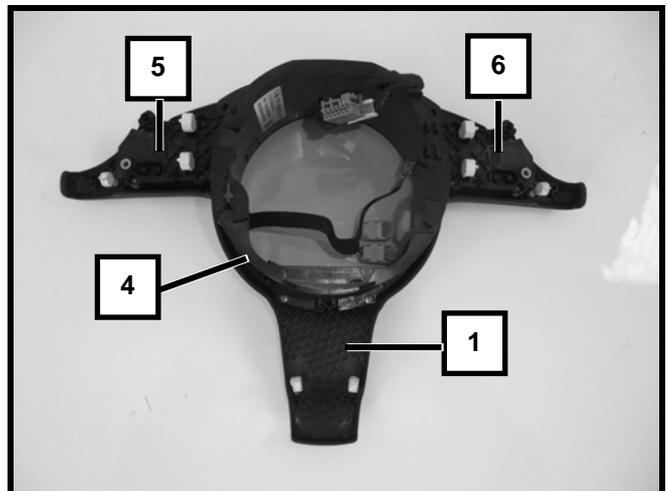


Fig. 20

4 Mount TECHART Shift Paddles

- 1 Remove the ball lining from the gearshift housing (5) + (6) towards the front and insert at the rear (turn around).



Caution: Make sure that no ball will fall out of the ball lining.

- 2 Loop 2 o-rings 4 x 2 mm onto the upper guiding pin.

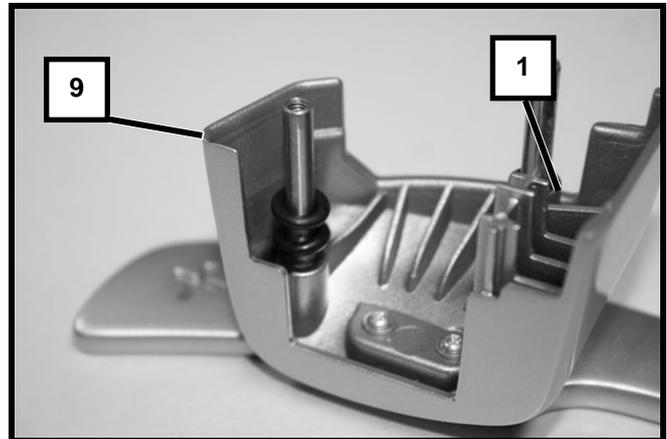


Abb. 21



- 3 Snap the cover of the steering wheel (1) in to the steering wheel.

- 4 Lubricate the guiding pins.

- 5 Slide the TECHART Shift Paddles (9) from the backside into the gearshift housing (5+6).

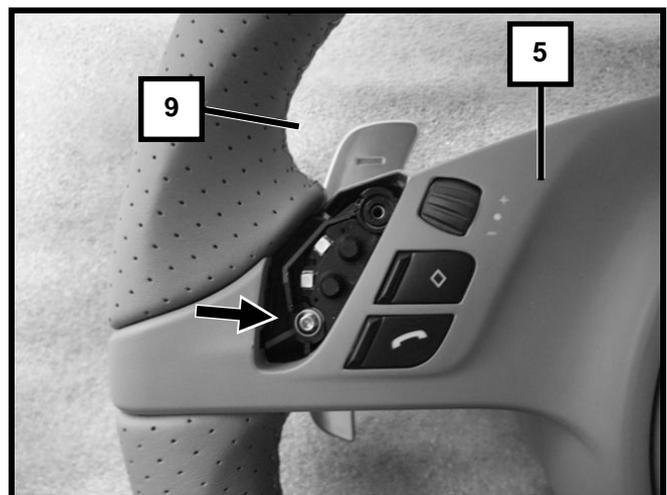


Fig. 22

- 6 Secure TECHART Shift Paddle (9) with 3 o-ring-impact-dampers and one screw M3x4 on each side.

- 7 Tune the shifting play. If necessary lay 2 to 4 o-rings 4 x 0.6 mm underneath.

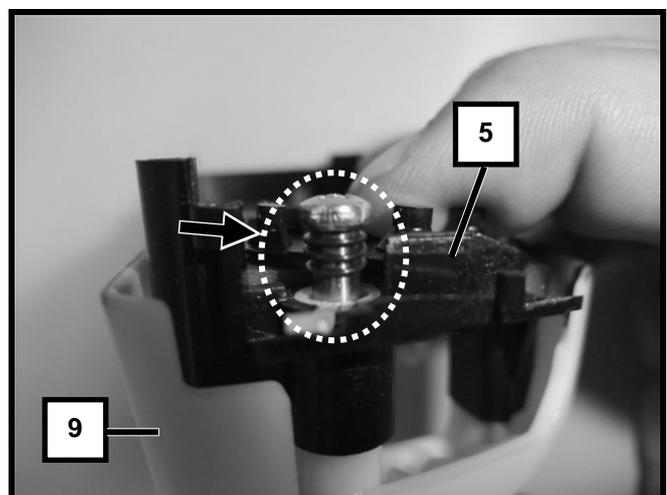


Fig. 23



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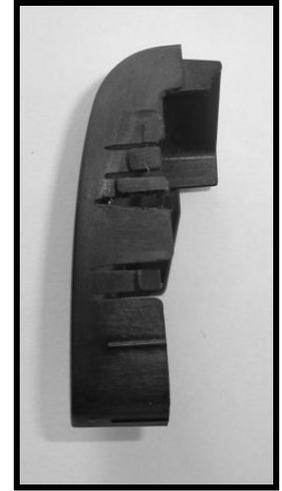
TECHART Shift Paddles

i Caution: Please note the model

Multifunctional switches from MY13



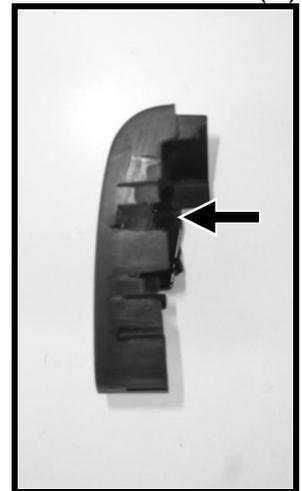
Detents remain



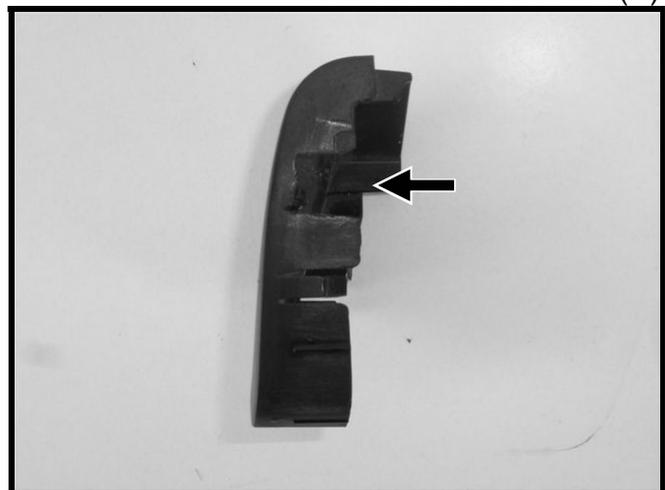
Multifunctional switches until MY12



Remove lower detents (X)



Standard



Remove both detents (X)

Fig. 24

- 8 Click the TECHART Shift Paddle panels right and left (10) into the steering wheel panel (1).

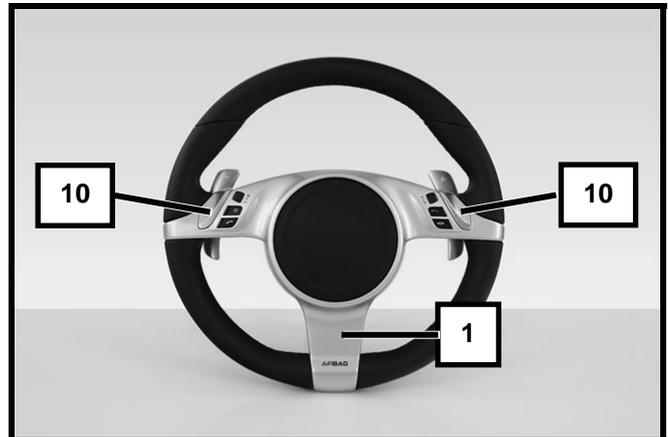


Fig. 25

- 9 Check if the airbag retaining clip fits well. It has to click into place.

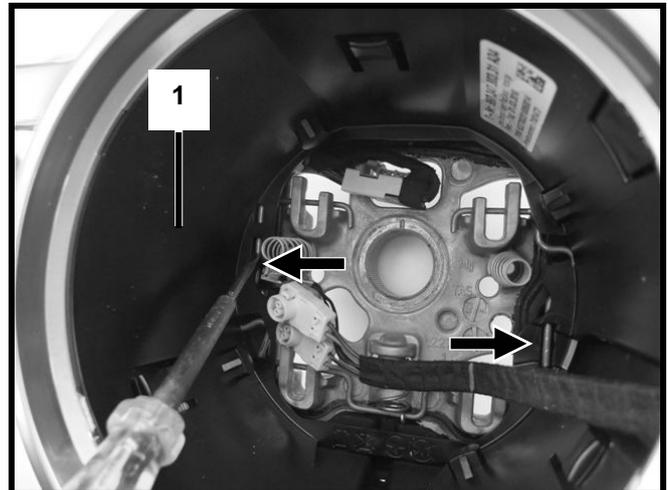


Fig. 26

- 10 Reintegrate the steering wheel according to the guidelines of the Porsche workshop manual.

2 Tightening torques

Location	Description	Type	Basic value
Steering Wheel		tightening torque	50 Nm



ASSEMBLY INSTRUCTIONS

TECHART Shift Paddles



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