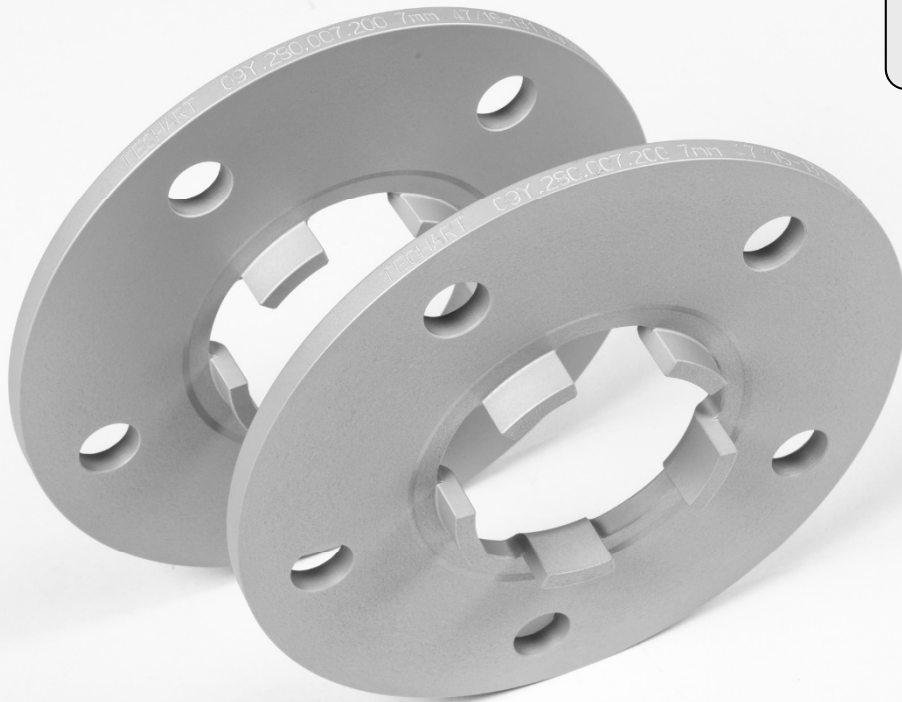


ASSEMBLY INSTRUCTIONS

TECHART Spacers

for all Porsche Types

Spacer sets
Performance-kits
Bolt circle adapters



Version 09 – 02/2024

Contents

I Important safety information3

II Preparation4

III Installation12


















 1 Prepare vehicle12









 2 Mount spacers 3-15 mm.....13

 3 Mount spacers 15-57 mm or bolt circle adapter 25-55mm16

I Important safety information

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

	<div data-bbox="657 562 962 620" data-label="Section-Header">  WARNING </div> <p>Vehicle lifts with an insufficient lifting capacity can collapse under the weight of the vehicle and crush any persons standing underneath.</p> <p>Compare the weight of the vehicle with the lifting capacity of your vehicle lift. The weight of the vehicle must not exceed the lifting capacity of your vehicle lift. The weight of the vehicle can be found in the vehicle operating manual.</p>	
	<div data-bbox="657 860 962 918" data-label="Section-Header">  WARNING </div> <p>Risk of injury from electric current.</p> <p>Switch off the ignition and disconnect the battery when working on the vehicle electrical/electronics systems.</p>	
   	<div data-bbox="657 1106 962 1164" data-label="Section-Header">  WARNING </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="596 1630 1098 1769">    </div>	  

 	<div data-bbox="657 376 962 434" data-label="Section-Header">CAUTION</div> <p>Risk of injury from hands and arms being crushed, cut or lacerated when working with sharp-edged and bulky objects.</p> <p>Wear protective clothing and protective gloves. Keep limbs out of narrow and inaccessible areas of the vehicle and/or avoid dangerous situations by using special tools and suitable aids.</p>	 
	<div data-bbox="657 716 962 775" data-label="Section-Header">CAUTION</div> <p>Risk of injury to back, muscles, joints, tendons and ligaments from lifting and carrying heavy and/or bulky objects.</p> <p>Lift and transport heavy and/or bulky objects with the help of other people and/or with suitable aids.</p>	
	<div data-bbox="306 1003 592 1061" data-label="Section-Header">NOTICE</div> <p>Before starting the assembly procedure, carefully read the assembly instructions in full and pay attention to the safety information and sequence of the individual operation steps.</p>	
	<div data-bbox="306 1187 592 1245" data-label="Section-Header">NOTICE</div> <p>All body parts must be prepared and painted in accordance with the attached painting guide.</p>	

II Preparation

Help and support

If you have any technical queries, please contact us immediately:
support@techart.de

Check that TECHART part kit is complete**Spacer sets 3-15 mm**

All spacer kits contain 5 gram aluminum-grease (part-no. 997.900.999.999)

Quantity	Part number	Part designation
	092.280.003.009	Spacer set 3 mm sports car
2	092.280.003.100	Spacer 3 mm incl. 2 flat head screw M6x16 per disk
	093.280.003.009	Spacer set 3 mm sports car
2	093.280.003.200	Spacer 3 mm incl. 2 flat head screw M6x16 per disk
	071.280.005.009	Spacer set 5 mm sports car
2	096.280.005.200	Spacer 5 mm incl. 2 hexagon socket head screws M12x25
2	091.210.100.039	Wheel bolt 39 mm black
	081.280.005.009	Spacer set 5 mm sports car
2	081.280.005.100	Spacer 5 mm
10	WHT004676A	Wheel bolt 34 mm black
	091.280.005.009	Spacer set 5 mm sports car
2	096.280.005.200	Spacer 5 mm incl. 2 flat head screw M6x16 per disk
10	WHT004676A	Wheel bolt black
	092.280.005.009	Spacer set 5 mm sports car
2	092.280.005.100	Spacer 5 mm
10	WHT004676A	Wheel bolt black
	096.280.005.009	Spacer set 5 mm sports car
2	096.280.005.200	Spacer 5 mm incl. 2 flat head screw M6x16 per disk
10	997.361.980.07	Wheel bolt 34 mm
	071.280.007.009	Spacer set 7 mm sports car & SUV
2	096.280.007.200	Spacer 7 mm incl. 2 hexagon socket head screws M12x25
10	091.210.100.042	Wheel bolt 42 mm black
	091.280.007.009	Spacer set 7 mm sports car
2	096.280.007.200	Spacer 7 mm incl. 2 flat head screw M6x25 per disk
10	091.210.100.036	Wheel bolt 36 mm
	096.280.007.009	Spacer set 7 mm sports car
2	096.280.007.200	Spacer 7 mm incl. 2 flat head screw M6x25 per disk
10	997.361.980.07	Wheel bolt 34 mm

	09J.280.007.009	Spacer set 7 mm sports car
2	096.280.007.200	Spacer 7 mm incl. 2 hexagon socket head screws M12x25
10	091.210.100.042	Wheel bolt 42 mm black
	000.280.010.009	Spacer set 10 mm sports car
2	087.280.010.200	Spacer 10 mm incl. 2 Flat head screw M6x25 per disk
10	087.210.100.042	Wheel bolt 42 mm
	091.280.010.009	Spacer set 10 mm sports car
2	087.280.010.200	Spacer 10 mm incl. 2 Flat head screw M6x25 per disk
10	091.210.100.039	Wheel bolt 39 mm
	092.280.012.009	Spacer set 12 mm sports car
2	092.280.020.100	Spacer 12 mm
10	091.210.100.042	Wheel bolt 42 mm
	09J.280.015.009	Spacer set 15 mm sports car
2	071.280.015.100	Spacer 15 mm
10	058.210.100.048	Wheel bolt 48 mm black

Quantity	Part number	Part designation
	055.280.003.009	Spacer set 3 mm SUV
2	093.280.003.200	Spacer 3 mm plugged
2	055.280.012.025	Hexagon socket screw, flat head M12x25
	058.280.005.009	Spacer set 5 mm SUV
2	096.280.005.200	Spacer 5 mm
10	087.210.100.042	Wheel bolt 42 mm
2	055.280.012.025	Hexagon socket screw, flat head M12x25
	058.280.105.009	Spacer set 5 mm SUV black
2	096.280.005.200	Spacer 5 mm
10	091.210.100.042	Wheel bolt 42 mm black
2	055.280.012.025	Hexagon socket screw, flat head M12x25
	058.280.007.009	Spacer set 7 mm SUV
2	096.280.007.200	Spacer 7 mm
10	087.210.100.042	Wheel bolt 42 mm
2	055.280.012.025	Hexagon socket screw, flat head M12x25
	058.280.107.009	Spacer set 7 mm SUV black
2	096.280.007.200	Spacer 7 mm
10	091.210.100.042	Wheel bolt 42 mm black
2	055.280.012.025	Hexagon socket screw, flat head M12x25
	071.280.007.009	Spacer set 7 mm sports car & SUV
2	096.280.007.200	Spacer 7 mm incl. 2 hexagon socket head screws M12x25
10	091.210.100.042	Wheel bolt 42 mm black
	09Y.280.107.009	Spacer set 7 mm SUV
2	09Y.280.007.200	Spacer 7 mm
10	091.210.100.042	Wheel bolt 42 mm black
	09Y.280.207.009	Spacer set 7 mm SUV
2	09Y.280.007.200	Spacer 7 mm
10	091.210.100.042	Wheel bolt 42 mm black
	055.280.010.009	Spacer set 10 mm SUV
2	087.280.010.200	Spacer 10 mm
2	055.280.012.025	Hexagon socket screw, flat head M12x25
10	055.210.100.048	Wheel bolt 48 mm

	058.280.010.009	Spacer set 10 mm SUV black
2	087.280.010.200	Spacer 10 mm
2	055.280.012.025	Hexagon socket screw, flat head M12x25
10	058.210.100.048	Wheel bolt 48 mm
	B95.280.010.009	Spacer set 10 mm SUV
2	B95.280.010.200	Spacer 10 mm
10	091.210.100.039	Wheel bolt 39 mm black
	09Y.280.012.009	Spacer set 12 mm SUV
2	092.280.012.100	Spacer 12 mm
10	058.210.100.048	Wheel bolt 48 mm black
	B95.280.015.009	Spacer set 15 mm SUV
2	B95.280.015.200	Spacer 15 mm
10	091.210.100.042	Wheel bolt 42 mm black

Spacer Sets 15-57 mm

All spacer kits consist of 2 spacers and 10 wheel nuts and 5 gram aluminum grease

Wheel nuts in steel for vehicles wheel nuts**Wheel nuts in aluminum black for vehicles with wheel bolts**

Vehicles with wheel nuts	Vehicles with wheels bolts	
Part number	Part number	Part description
093.280.015.009	086.280.015.009	Spacer set 15 mm
068.280.018.009	086.280.018.009	Spacer set 18 mm
064.280.021.009	086.280.021.009	Spacer set 21 mm
093.280.023.009	086.280.023.009	Spacer set 23 mm
093.280.026.009	086.280.026.009	Spacer set 26 mm
011.280.031.009	055.280.031.009	Spacer set 31 mm
011.280.035.009	096.280.035.009	Spacer set 35 mm
	055.280.038.009	Spacer set 38 mm
011.280.043.009	048.280.043.009	Spacer set 43 mm
	096.280.057.009	Spacer set 57 mm

Performance Kits

All Performance Kits 5 gram aluminum grease

Part number	Part description	Spacer size	Mounting parts
092.280.221.009	Performance-Kit	2x 5 and 12 mm	10x Wheel screw 34mm 10x Wheel screw 42mm
09Y.280.307.009	Performance-Kit 21" Series	4 x 7 mm	20x Wheel screw 42mm black
096.280.100.009	Performance-Kit I	2x 15 and 2x 18 mm	16x Wheel nut 4x Wheellock nut
086.280.100.009	Performance-Kit II	2x 15 and 2x 21mm	16x Wheel nut 4x Wheellock nut
096.280.200.009	Performance-Kit III	2x 15 and 2x 23 mm	16x Wheel nut 4x Wheellock nut
096.280.300.009	Performance-Kit IV	2x 15 and 2x 23 mm	16x Wheel nut 4x Wheellock nut
096.280.400.009	Performance-Kit V	4x 5 mm	16x Wheel bolt 4x Wheellock bolt
096.280.500.009	Performance-Kit VI	4x 7 mm	16x Wheel bolt 4x Wheellock bolt
096.280.600.009	Performance-Kit VII	4x 15 mm	16x Wheel nut 4x Wheellock nut
096.280.700.009	Performance-Kit VIII	2x 15 and 2x 26 mm	16x Wheel nut 4x Wheellock nut
087.280.019.009	Performance-Kit Widebody 19"	2x 18 and 2x 35 mm	16x Wheel nut 4x Wheellock nut
087.280.020.009	Performance-Kit Widebody 20"	2x 26 and 2x 43 mm	16x Wheel nut 4x Wheellock nut
048.280.100.009	Performance-Kit Magnum Formula	2x 43 and 2x 48 mm	16x Wheel nut 4x Wheellock nut
058.280.120.009	Performance-Kit Magnum Formula + Formula II 23"	2x 18 and 2x 38 mm	16x Wheel nut 4x Wheellock nut
058.280.130.009	Performance-Kit Magnum Formula II 22"	2x 26 and 35 mm	16x Wheel nut
048.280.110.009	Performance-Kit Magnum Formula II + III 22"	2x 43 and 2x 31 mm	16x Wheel nut 4x Wheellock nut
048.280.130.009	Performance-Kit Magnum Formula II 22"	2x 31 and 2x 38 mm	16x Wheel nut 4x Wheellock nut
048.280.140.009	Performance-Kit Magnum Formula III	2x 43 and 48 mm	16x Wheel nut
058.280.110.009	Performance-Kit Magnum Formula II 22"	2x 31 and 2x 35 mm	16x Wheel nut 4x Wheellock nut
058.280.100.009	Performance-Kit Magnum Formula 20" -22" and Formula III 21", 22"	2x 31 and 2x 48 mm	16x Wheel nut 4x Wheellock nut
055.280.100.009	Performance-Kit Magnum Formula 23"	2x 31 and 2x 35 mm	16x Wheel nut 4x Wheellock nut
058.280.080.009	Performance-Kit Magnum original 21"	2x 23 and 2x 43 mm	16x Wheel nut 4x Wheellock nut
058.280.090.009	Performance-Kit Magnum orig. 19" + 20"	2x 43 and 2x 57 mm	16x Wheel nut 4x Wheellock nut
070.280.022.009	Performance-Kit GrandGT Formula	2x 26 and 2x 43 mm	16x Wheel nut 4x Wheellock nut
070.280.020.009	Performance-Kit GrandGT Formula 20"	2x 15 and 2x 38 mm	16x Wheel nut 4x Wheellock nut
070.280.021.009	Performance-Kit GrandGT Formula + original rims	2x 26 and 2x 38 mm	16x Wheel nut 4x Wheellock nut
070.280.321.009	Performance-Kit GrandGT Formula III	2x 26 and 48 mm	16x Wheel nut 4x Wheellock nut

070.280.422.009	Performance-Kit GrandGT Formula IV 22"	2x 21 and 2x 31 mm	16x Wheel nut 4x Wheellock nut
071.280.020.009	Performance-Kit GrandGT 19", 20" & 21"	2x 31 and 2x 48 mm	16x Wheel nut 4x Wheellock nut 1x Lock adapter
071.280.021.009	Performance-Kit Panamera G2 19", 20" & 21"	4x 7 mm	20x Wheel screw 42mm
071.280.121.009	Performance-Kit GrandGT Formula 21"	2x 23 and 2x 48 mm	16x Wheel nut 4x Wheellock nut 1x Lock adapter
071.280.422.009	Performance-Kit GrandGT Formula IV/V 22"	2x 23 and 2x 43 mm	16x Wheel nut 4x Wheellock nut 1x Lock adapter
071.280.621.009	Performance-Kit GrandGT Formula VI 21"	2x 15 and 2x 35 mm	8x Wheel screw 48mm 8x Wheel nut Je 1x Wheel safety set
071.280.622.009	Performance-Kit GrandGT Formula VI 22"	2x 15 and 2x 35 mm	8x Wheel screw 48mm 8x Wheel nut Je 1x Wheel safety set
071.280.722.009	Performance-Kit GrandGT Daytona II	2x 3 and 2x 35 mm	8x Wheel screw 36mm 8x Wheel nut Je 1x Wheel safety set
058.280.140.009	Performance-Kit Magnum Formula IV 22"	2x 21 and 2x 38 mm	16x Wheel nut
B95.280.100.009	Performance-Kit Macan 18" and 19"	2x 10 and 2x 15 mm	10x wheel screws 39mm 10x wheel screws 42mm
B95.280.200.009	Performance-Kit Macan Widebody Formula IV 21"	4x 15 mm	20x Wheel screw 42mm
09Y.280.005.009	Performance-Kit 23"	4x 5 mm	20x Wheel screw 39mm
09Y.280.007.009	Performance-Kit 21"	4x 7 mm	20x Wheel screw 42mm
09Y.280.022.009	Performance-Kit 22" Coupé	2x 12 und 2x 21 mm	10x Wheel screw 48mm 10x Wheel nut
09Y.280.518.009	Performance-Kit 23"	2x 5 und 2x 18 mm	10x Wheel screw 39mm 10x Wheel nut
09Y.280.612.009	Performance-Kit Formula VI 21" Coupé	2x 15 und 2x 26 mm	10x Wheel screw 48mm 10x Wheel nut
09Y.280.621.009	Performance-Kit Formula VI 21"	4x 15 mm	20x Wheel screw 48mm

Bolt circle adapter 25-55 mm

All bolt circle adapters consist of two bolt circle adapter disks, 10 wheel nuts and 5 gram aluminium grease

Part number	Part description	Spacer size	Mounting parts
B95.280.025.009	Bolt circle adapter 25mm BC 112/5-130/5	2x 25 mm	10x Wheel nut
B95.280.030.009	Bolt circle adapter 30mm BC 112/5-130/5	2x 30 mm	10x Wheel nut
B95.280.035.009	Bolt circle adapter 35mm BC 112/5-130/5	2x 35 mm	10x Wheel nut
B95.280.040.009	Bolt circle adapter 40mm BC 112/5-130/5	2x 40 mm	10x Wheel nut
B95.280.045.009	Bolt circle adapter 45mm BC 112/5-130/5	2x 45 mm	10x Wheel nut
B95.280.050.009	Bolt circle adapter 50mm BC 112/5-130/5	2x 50 mm	10x Wheel nut
B95.280.055.009	Bolt circle adapter 55mm BC 112/5-130/5	2x 55 mm	10x Wheel nut

Please use the table to check whether all of the required parts are present.

Once parts have been removed from their original packaging, ensure that they are properly handled and stored.

III Installation

1 Prepare vehicle

- 1 Raise vehicle at the factory-fitted lift support points.
- 2 Mark the installation position of the wheels.
- 3 Remove the wheels.
- 4 Clean the wheel hub and the contact surface of the spacers as well as the contact surface and the hub center of the rim from dirt and corrosion.



Please care that the thread inside the wheel hub is clean and free of corrosion!

2 Mount spacers 3-15 mm

- 1 Apply a thin layer of the supplied grease onto the cleaned hub. (Fig. 01)
- 2 Set the spacer evenly onto the hub without wedging.
- 3 Tighten the spacer to the hub with the supplied fixing screws.

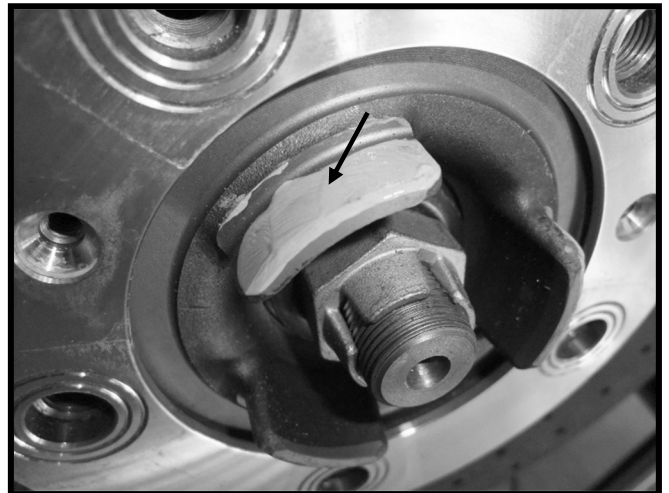


Fig. 01

i At the Macan the fixation of the spacers will be performed only with wheel bolts!

i Use the supplied fixing screws with the spacers 3-10 mm!

Sports car: (Fig. 02)

Hexagon socket with flat head screw
M6

Tightening torque M6 10 Nm

SUV: (Fig. 03)

Hexagon socket with flat head screw
M12

Tightening torque M12 14 Nm

Macan: (no picture.)

No extra fixation.

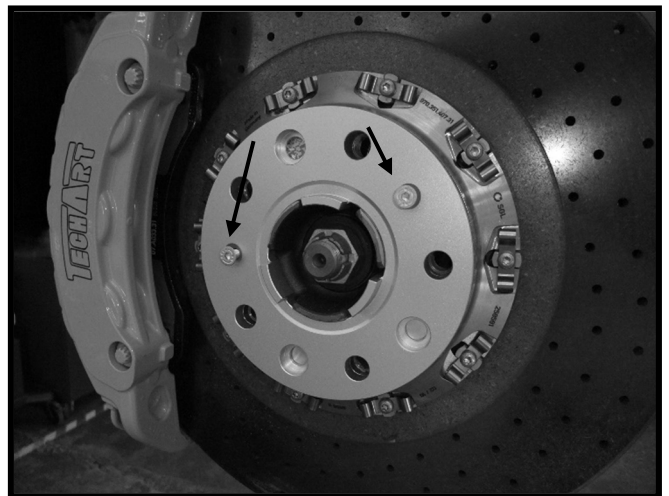


Fig. 02

- 4 Also apply a thin layer of the supplied grease onto the hub center of the spacer.
- 5 Set the rim now on the wheel hub and/or on the spacer. Please note the installation position of the wheel. (note the marking).

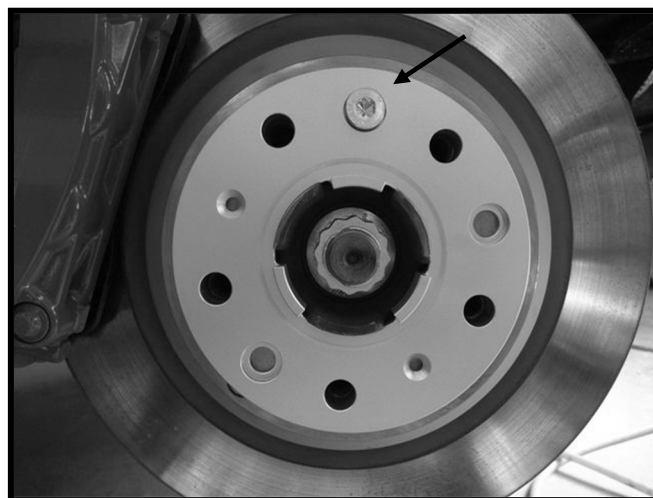


Fig. 03

- i** If necessary, rebalance used wheels, as the installation of spacers can lead to an increase in existing imbalances!

Use the right wheel bolts depending on the vehicle and size of the spacers.

- i** Do not use an impact wrench when tightening the screws!

**Sports car and SUV 3 mm spacer:**

- (1) Orig. Wheel bolt sports car shank length 29mm
- (2) Orig. Wheel bolt SUV from MY11 shank length 34mm (movable calotte)
- (3) Orig. Wheel bolt SUV until MY10 shank length 36mm

Sports car 5 and 7mm spacer:

- (2) Wheel bolt GT shank length 34mm (movable calotte)

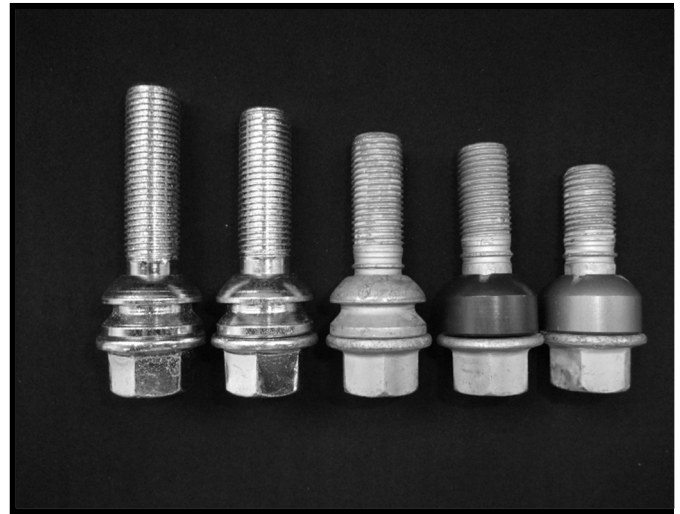


Fig. 04

Sports car 10 mm spacer:

- (3) Techart wheel bolt shank length 42 mm (movable calotte)

SUV 5 and 7 mm spacer:

- (4) Techart wheel bolt shank length 42 mm (movable calotte)

SUV 10 mm spacer:

- (5) Techart wheel bolt shank length 48 mm (movable calotte)

Macan 10mm spacer:

- (-) TECHART wheel bolt shank length 39 mm (movable calotte)

Macan 15mm spacer:

- (4) TECHART wheel bolt shank length 42 mm (movable calotte)

- 6 Tighten wheel bolt crosswise, first with 50 Nm and then with

tightening torque sports car 130 Nm

tightening torque sports car from MY11 160 Nm

tightening torque SUV 160 Nm

tightening torque Panamera 180 Nm

- 7 Check wheel clearance and wheel cover!

- 8 Perform a test drive.

3 Mount spacers 15-57 mm or bolt circle adapter 25-55mm

- 1 Apply a thin layer of the supplied grease onto the cleaned hub. (Fig. 05)
- 2 Set the spacer evenly onto the hub without wedging.
- 3 Tighten the spacer to the hub with the supplied fixing screws.



Do not use an impact wrench when tightening the screws!

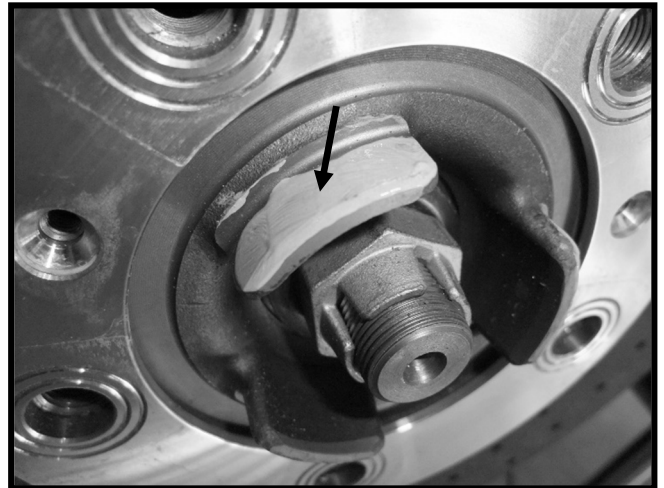


Fig. 05



Use the original wheel bolts from the vehicle with the spacers 15-57 mm!

Sports car:

Orig. wheel bolt M14 with movable calotte

- (1) Shank length 29 mm
- (2) Shank length 34 mm

SUV:

Orig. wheel bolt M14 with movable calotte

- (3) Shank length 36 mm Cayenne until MY10
 - (2) Shank length 34 mm Cayenne from MY11
- (Fig. 06)

For Macan:

Original wheel bolt M14 with movable calotte

- (1) Shank length 29 mm

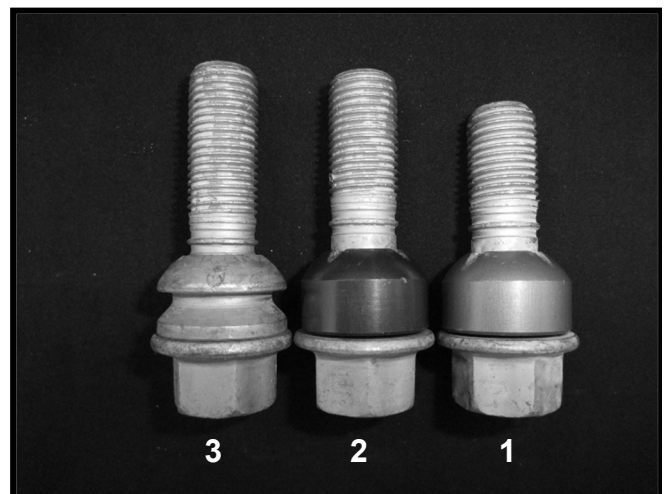


Fig. 06

- 4 Tighten wheel bolt crosswise, first with 50 Nm and then with

tightening torque sports car 130 Nm

tightening torque sports car from MY11 160 Nm

tightening torque SUV 160 Nm

tightening torque Panamera 180 Nm

- 5 Also apply a thin layer of the supplied grease onto the hub center of the spacer.

- 6 Set the rim now on the wheel hub and/or on the spacer. Please note the installation position of the wheel. (note the marking)



If necessary, rebalance used wheels, as the installation of spacers can lead to an increase in existing imbalances!

- 7 Fasten the rims with the supplied wheel nuts.

- 8 Tighten wheel nuts crosswise, first with 50 Nm and then with

tightening torque sports car 130 Nm

tightening torque sports car from MY11 160 Nm

tightening torque SUV 160 Nm

tightening torque Panamera 180 Nm

- 9 Check wheel clearance and wheel cover!

- 10 Perform a test drive.

TECHART

TECHART AUTOMOBILDESIGN GMBH

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

Subject to change at any time without prior notice.
Copyright 2024 by **TECHART** AutomobilDesign GmbH