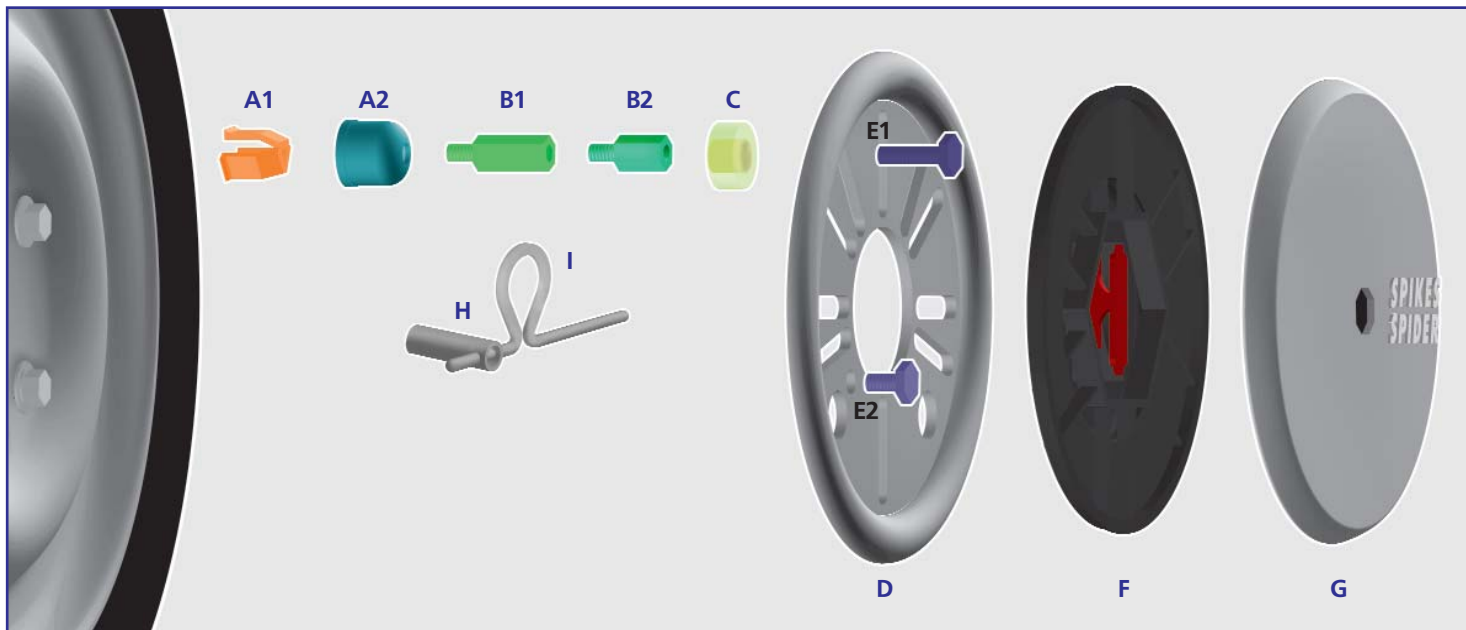


# Content / Part description



A1	3-armed clip	x 10	A1	3-armige Halteklammer	x 10	A1	Graffe di tenuta	x 10	A1	Pinza de sujeción	x 10
A2	Cap	x 10	A2	Kappe	x 10	A2	Cappa	x 10	A2	Tapón	x 10
B1	Extension screw long	x 10	B1	Distanzschraube lang	x 10	B1	Vite distanziale lungo	x 10	B1	Tornillo de distancia	x 10
B2	Extension screw short	x 10	B2	Distanzschraube kurz	x 10	B2	Vite distanziale corto	x 10	B2	Tornillo de distancia	x 10
C	Distance washer (nylon)	x 10	C	Distanzring (Kunststoff)	x 10	C	Anello distanziatore	x 10	C	Arandela distanciadora	x 10
D	Metal disc (Adapter)	x 2	D	Metallscheibe (Adapter)	x 2	D	Disco metallico (Adattatore)	x 2	D	Disco de metal (Adaptator)	x 2
E1	Screw long (20mm)	x 10	E1	Schraube lang (20mm)	x 10	E1	Vite lunga (20mm)	x 10	E1	Tornillo long (20mm)	x 10
E2	Screw short (10mm)	x 10	E2	Schraube kurz (10mm)	x 10	E2	Vite corta (10mm)	x 10	E2	Tornillo short (10mm)	x 10
F	Locking disc	x 2	F	Verriegelungsscheibe	x 2	F	Piastra di bloccaggio	x 2	F	Disco de bloqueo	x 2
G	Hub cover	x 2	G	Zierscheibe	x 2	G	Piastra decorativa	x 2	G	Tapacubos	x 2
H	Box wrench	x 1	H	Rohr Schlüssel	x 1	H	Chiave a tubo	x 1	H	Llave tubular	x 1
I	Torque handle (25 Nm)	x 1	I	Drehmomentstab (25 Nm)	x 1	I	Adattatore torcente (25 Nm)	x 1	I	Barra de torsión (25 Nm)	x 1



**SPIKES SPIDER**



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ISTRUZIONI DI MONTAGGIO • INSTRUCCIONES DE MONTAJE • MONTAGE INSTRUCTIES

# ***SPIKES SPIDER ADAPTER***



**SWISS MADE** 

MONTAGEANLEITUNG • MOUNTING INSTRUCTIONS • INSTRUCCIONES DE MONTAJE

# THE MOUNTING INSTRUCTIONS MUST BE FOLLOWED CAREFULLY

## 1. Preparation

The adapter should be installed to the drive wheels at the beginning of the winter season. If the vehicle has 4-wheel drive, please follow the instructions of your car manufacturer's operation manual.

Remove all hub covers or other decorative covers. Wheel locks or other antitheft devices must be replaced with regular wheel lug bolts. I.e.: Exchange antitheft screws with regular screws from the wheels not needed for the adapter mounting.

**Caution:** In case of domed lug nuts, the 3-armed clip **A1** must reach at least 6mm on the flat surface of the domed lug nut (Pic. 1).

## 2. Determine spacing components

Slide one 3-armed clip **A1** firmly on the wheel lug bolt/ nut and put the cap **A2** on the 3-armed clip (Pic. 2). Take now the mounting instruction and follow the details under **distance gauge** in the inner section.

## 3. Install spacing components

**CAUTION:** Depending on the determined distance (Pic. B), please follow one of the four following instructions.

Distance figure: **1** or **2**  
Continue directly with step 5.

Distance figure: **3** or **4**  
Screw the extension screw **B2** into the pre-assembled cap **A2** with clip **A1**. Mount remaining clips **A1** and caps **A2** one after

another on the wheel lugs/ bolts and screw in the extension screw **B2**. **CAUTION:** Every single extension screw must be tightened separately as described under TIGHTENING (Step 4)! Continue with step 5 afterwards.

Distance figure: **5** or **6**  
Screw the extension screw **B1** into the pre-assembled cap **A2** with clip **A1**. Mount remaining clips **A1** and caps **A2** one after another on the wheel lugs/ bolts and screw in the extension screw **B1**. **CAUTION:** Every single extension screw must be tightened separately as described under TIGHTENING (Step 4)! Continue with step 5 afterwards.

Distance figure: **7** or **8**  
Screw the extension screw **B1** into the pre-assembled cap **A2** with clip **A1**. Mount remaining clips **A1** and caps **A2** one after another on the wheel lugs/ bolts and screw in the extension screw **B1**. **CAUTION:** Every single extension screw must be tightened separately as described under TIGHTENING (Step 4)! Screw extension screws **B2** into the installed extension screws **B1** and tighten with the torque handle as before. Continue with step 5 afterwards.

## 4. Tightening

Slip the box wrench **H** onto the preassembled screw. Insert the short end of the torque handle **I** through both side holes of the box wrench (Pic. 3).

Tighten now each screw, turning with the torque handle clock-wise until the loop of the torque handle touches noticeably (Pic. 4)! Use the supplied tools for installation only!

## 5. Install adapter plate

Remove the locking disc **F** from the metal hub plate **D** by holding the metal disc with one hand, pull out the red grip of the locking disc with the other hand and turn the locking disc slightly to the left or to the right until the locking disk is released from the hub plate (Pic. 5). The metal hub plate **D** is to be mounted to the rim with the numbers pointing to the outside.

For 3- and 6-screw rims, use the slots marked 3.

For 4- and 8-screw rims, use the slots marked 4.

For 5- and 10-screw rims, use the slots marked 5.

**CAUTION:** Depending on the determined distance (Pic. B), please follow one of the four following instructions.

Distance figure: **1**  
Insert screws **E2** through the slots of the metal disc **D**. Screw cap **A2** with clip **A1** to the screw from the opposite side and tighten it only slightly to allow move ability within the slot. Adjust the preassembled metal disc with the clips onto the lug bolts/ nuts of your wheel (Pic. 6) and press the metal plate firmly on while tightening the screws as described under TIGHTENING (Step 4)!

Distance figure: **2**  
Insert screws **E1** through the slots of the metal disc **D** and put a distance washer **C** from the opposite side (Pic. 7) on the screw. Screw then cap **A2** with clip **A1** to the screw from the opposite side and tighten it only slightly to allow move ability within the slot. Adjust the preassembled metal disc with the clips onto the lug bolts/ nuts of your wheel (Pic. 8) and press the metal plate firmly on while tightening the screws as described under TIGHTENING (Step 4)!

Distance figure: **3**, **5**, **7**  
Insert screws **E2** through the slots of the metal disc **D** and screw these into the pre-assembled distance screws at the wheel by hand one after another. (Pic. 9) Continue with TIGHTENING (Step 4).

Distance figure: **4**, **6**, **8**  
Insert screws **E1** through the slots of the metal disc **D** and put a distance washer **C** from the opposite side (Pic. 7) on the screws. Screw now the accordingly pre-assembled screws **E1** with the metal plate on the preassembled extension screws on the wheel and tighten on one after another. (Pic. 10) Continue with TIGHTENING (Step 4).

Finished!!! - The adapter is installed (Pic. 11).

## 6. Driving with Spikes-Spider

Remove hub cover, put Spikes-Spider on and lock it with the locking disc **F**.

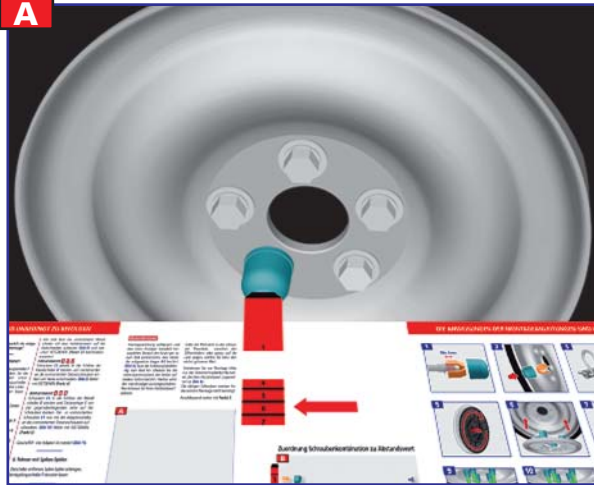
## 7. Driving without Spikes-Spider

Please notice that the hub cover **G** has to be mounted when driving without the mounted Spikes-Spider. Place the box wrench **H** in the middle of the hub cover **G** and place the cover onto the metal disc **D**. Turn the hub cover clockwise with the torque bar **I** under slight pressure until it is fitted correctly and tight (Pic. 12).

## Distance gauge

Open the mounting instructions and pull out the red gauge completely. Position the black tip of the gauge on the mounted cap **A2 (Pic. A)**. Push the unfolded instruction towards the tire until the red edges touch the tire on both sides. While doing, the red slide is being pushed back slowly. Now you may read the measured distance. If the arrow is very close to or even on the black line which separates the distance

fields, chose the higher distance indication. Please select only the needed spacing components combination that corresponds with the distance figure (Pic. B). The remaining screws are not needed. Continue with **step 3** afterwards.



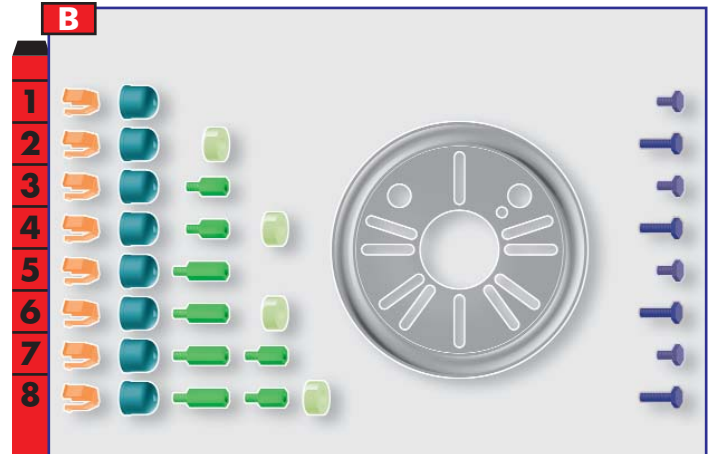
## Special case

If the red edges of the mounting instruction do not touch the tire because the rim extends beyond the outer sidewall of the tire, the adapter may be mounted as long

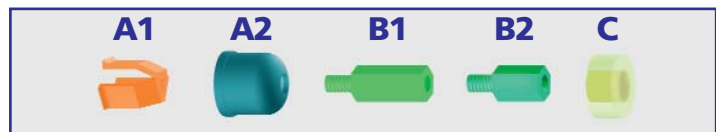
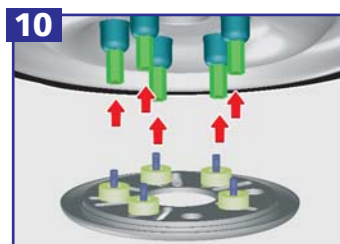
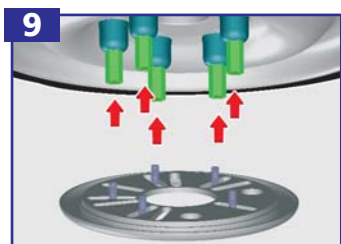
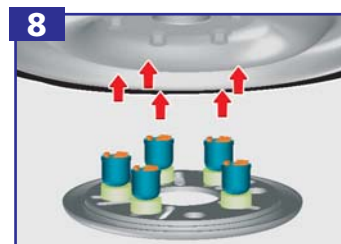
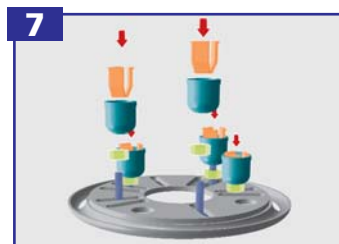
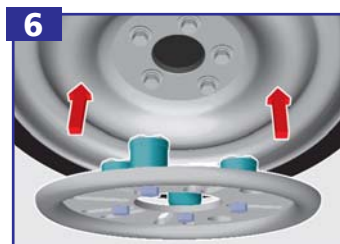
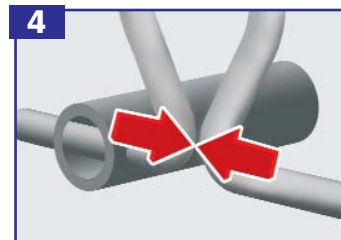
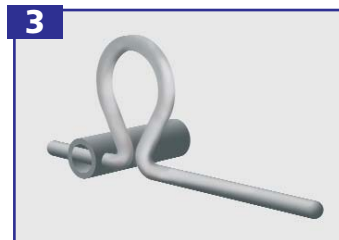
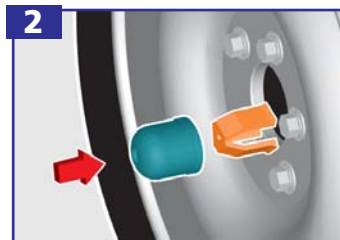
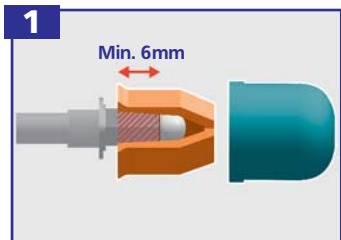
as the distance between red edge of the mounting instruction and the tire is not more than 10mm. If this is guaranteed, proceed with **step 3**.

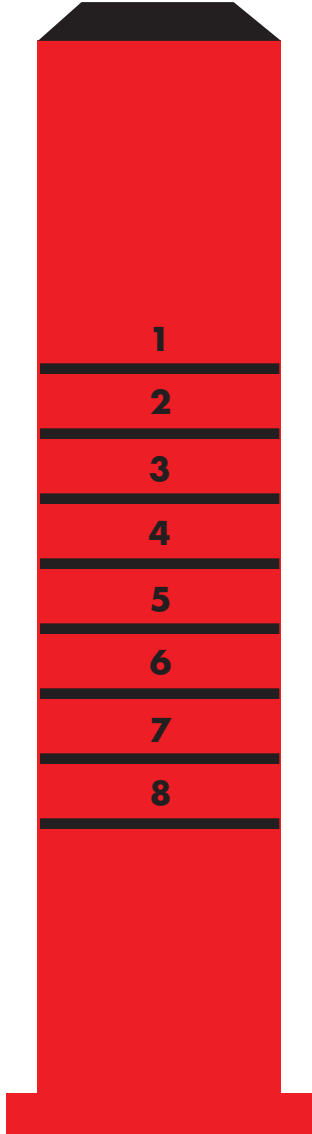


## Possible combination of spacing components and distance values



# THE MOUNTING INSTRUCTIONS MUST BE FOLLOWED CAREFULLY





1

2

3

4

5

6

7

8