

Installation instructions

Stopskate® brake set EBS 480 A, EBS 480 B and EBS 480 C and STRONG versions.

The Stopskate® EBS 480 braking set is easy to install. Those of you who do not dare to assemble, can seek professional help from the Stopskate® in-line skates and braking systems, where they will be pleased to install or advise you. They will also give you information on the compatibility of the EBS 480 with your skates.

Assembly procedure:

1. Using a 4 mm Allen key, loose and remove the screws that secure the two inner (middle) wheels to the right and left skates in the skate frame.
2. Remove the wheels.
3. From the outside of the right skate, insert the right brake caliper bolts into the holes for the wheel fixing bolts on the skate frame as far as they will go. Spacer rings on both bolts at the yoke should be at the same time as the edge of the inner wall of the wheel frame (pic. 4), even after using all shims. below. If this is not the case, align these spacers by unscrewing them, but no more than two turns, or use the longer spacers included in the package for thicker frame frames (5-7 mm). Unscrew the shorter ones and screw the longer ones.
The exceptions are Rollerblade and Powerslide. For these types, leave the shorter threaded inserts on the caliper bolts and leave them fully screwed on the base plate of the brake caliper. Then slide shaped plastic or aluminum washers onto these.
4. If there is a notch on the skate frame for the cylindrical head of the wheel-fixing bolt, fill it with the leveling washer (pic. 6).
5. In case of extension of the skates frame by longitudinal indentation in the upper part above the screws, leveling washer mounted on the caliper bolts and thus align the abutment surface for the brake caliper is to be used (pic. 7).
6. In the case of thick frame walls (5-7 mm) with recessed wheel bolt heads, fill these spaces with fitting pads, such as K2, Powerslide, Rollerblade and others. In some frame models, it is necessary to select the optimum washers that a flat contact surface for the brake caliper base is always provided.
7. After removing any irregularities in the frame with the washers, slide the cylinder out of the frame and slide the two middle wheels of the skate back into the frame. Then re-insert the bracket bolts with the spacers or form washers into the frame holes and push the entire bracket to the wall of the castor frame until it stops. From the other side of the frame, insert the Stopskate® fastening bolts into the holes according to the brake set model (type A, B, or C) you purchased. Screw in but do not fully tighten. Center the entire brake caliper so that the brake segment is exactly in the middle between the two braked wheels (pic. 8). Perform the above operations on the left skate. After centering the brake segment, tighten the wheel bolts firmly.

8. Set the brake segment to the home position. This happens when you switch the remote control ON and quickly press the STOP button four times within three seconds. The light indicator on the slider will start flashing. Then turn the switch to ON for one brake caliper. The brake segment touches the wheels and then returns to the home position. The caliper will give an acoustic signal. For wider frames (5-7 mm), be sure to insert the distance gauge (pic. 9) into the ON position before switching the switch ON.

10. In this adjusted original position, loose the brake segment carrier using a 2 mm Allen key - loosen the screws and slide them towards the wheels so that they lightly touch both wheels. In the case of a wider frame, the segment touches the distance dipstick inserted between the wheels and the segment is laterally supported on the wheels. In this position, tighten the screws that secure the segment carrier (pic. 8) firmly and, if using the dipstick, remove it (pic 9). Move the switch on this bracket to the OFF position again. Same segment setting must be applied on the second caliper.

11. Move the switches on the stirrups and the remote control to OFF and charge the batteries for both the stirrups and the hand controller for the first time.

12. After charging, the charging indicator lights green, turn on the switch on the controller. Then also switch on the right and left brake calipers. The brake segments are then automatically set to the standby position, signaled acoustically. Test the brake calipers once and twice to set the brake pads into working position. The brake calipers are always mounted on the outside of the skate frame (pic. 1).

13. You have completed the assembly and you can put the skates on and start your ride.

Replacement of brake segments

Do not hesitate to replace the brake segment if it wears out too much. The wear rate of the braking segment depends on many factors such as frequency and intensity of braking, downhill slopes, skater weight, wheel material, type of braking segment, etc.

A set of replacement segments is available in the Stopskate® brake kit package.

We recommend the use of highly durable Stopskate PERFORMANCE wheels that reduce the wear rate of the braking segment and are available from our e-shop or from EBS 480 and EBS 480 STRONG braking system dealers.

To replace the brake segment:

1. Remove the two screws that secure the brake caliper to the skate frame
2. Pull the caliper out. If necessary, manually adjust the position of the brake segment carrier to allow the segment to extend.
3. Push the worn brake segment out of the segment holder
4. Insert the new brake caliper into the segment holder in the direction of the arrow on the segment
5. Re-fit the brake caliper to the skate frame
6. After centering the brake segment, tighten the fastening screws

Note: for some types and brands of skates, it is not necessary to remove the brake caliper to replace the brake segment.

If necessary, you can manually move the segment and the segment holder manually to a different operating position with the OFF switch. To get the segment to its home position, always move the yoke switch to the ON position and immediately return it to the OFF position. When replacing the brake pad, do not lose the brake pad carrier bolts.

When replacing a segment, be careful not to damage the segment carrier or other part. Observe the distinction between the right and left braking segments! The L / R notification, along with the insertion direction arrow, can be found at the bottom of the segment. When pushing the worn out segment and injecting a new segment into the carrier, press the carrier with counter-pressure with the other hand to avoid breaking or damaging the carrier. Proceed with caution.

Requirements for mounting the brake set

Stopskate® brake set designed for mounting on in-line skates that have a classic four-wheel construction on one skate, aluminum or plastic frame and wheels with a diameter of 80 to 100 mm. Wheel centering distance 85 to 100 mm. Recommended skates profiles and shapes displayed in (pic. 10).

Skate frame is 2.5 to 7 mm thick. Stopskate® brake set designed for four- wheeled in-line skates, which have wheels fitted with screws with an outside diameter:

- *6 mm and a standard cylindrical head such as Fila, K2, Tempish and others - set type EBS 480 A
- *countersunk head screws with outside diameter screws 8 mm e.g. Rollerblade and others - set type EBS 480 B
- *screws with outside diameter 8 mm and standard cylinder head, e.g. brands Powerslide and others - set type EBS 480 C see (pic. 11).

If your skates meet the brake set compatibility requirements, it fits to other brands and models of skates other than those listed here.

Note: After selecting appropriate shaped or leveling pads for your skates, you will retain pads that are suitable for other types of skates. Some types of frames will require a different combination of spacers and alignment washers than described above.

In case of problems or uncertainties, please contact your supplier / retailer for assistance or contact us on info@stposkate.com. To order replacement and spare parts go to www.stposkate.com

Stopskate® s.r.o. is not liable for defects and damages caused by incorrect assembly, or inline skate assembly, which are not suitable for using the brake set!

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