

Manual / Assembly instruction

Assistant brake



NOTE! The maximum user weight of the wheelchair will be reduced to 100 kg for models with 150 kg user weight.



QR link to video

For S3 series the pushbar is used instead of push handles.

With this brake, the assistant will get a good control over the wheelchair when traveling uphill and downhill and in situations where you need the chair to stand still, the assistant can lock the brake and use them as a park brake.

NOTE! The user must not be left alone unattended in a slope with the park brake activated.

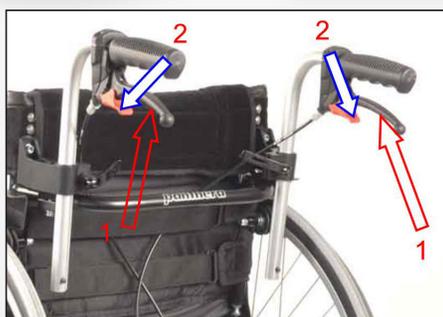
If you wish to combine the assistance brakes with armrest for wheelchairs in the S3-series, you'll need Armrest S3 26".

This is to avoid conflict between the tyres and the sideguard of the armrest:

Armrest S3/U3 26" pair cpl (incl. attachments)	art.no. 4401300	pair.
Armrest S3/U3 26" left	art.no. 4401301	1pcs
Armrest S3/U3 26" right	art.no. 4401302	1pcs



To brake the wheelchair during motion you clutch the brake handles easily, equally on both sides to keep the chair in a straight course. Release the handles to disengage the brakes. **The S3 series uses the pushbar instead of the push handles. The function of the brake handle is however the same.**



To activate the park brake when standing still, you clutch the handles hard and keep them activated while you poke the red levers with your finger to make them snap into one of the slots.



To release the park brake you clutch the handles until the red levers spring out and release the brakes and the wheelchair is possible to roll.

Assembly

The assistant brake-kit contains 2 rearwheels with drum brakes and 2 brake handles with wires and attachments for mounting the rearwheels on the old standard rear axle and attachments for mounting the brake handles on height adjustable push handles / pushbar.

If the chair is not equipped with the **old std rear axle** and height adjustable push handles / pushbar the order needs to be completed with those.

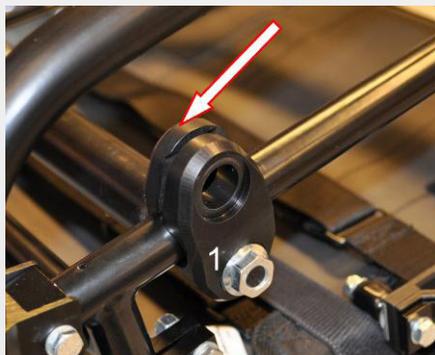


Fig. 1
Mount the **old std rear axle**, (if not already done) and switch the inner wheel bracket, on both sides, with brackets included (art.no. 3300010). Tighten the nut (1) slightly.

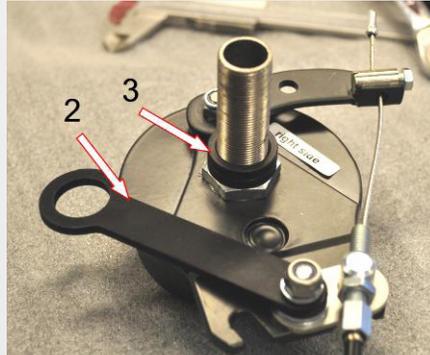


Fig. 2
The brake lining should be mounted in the wheel bracket on the rear axle. Apply the shim, 8 mm (12 mm for S3 series) (3). The stop arm (2) should be placed around the nut (1, fig 1).

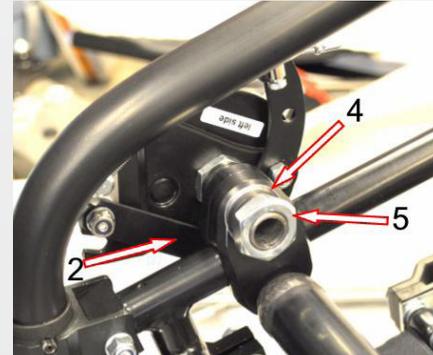


Fig. 3
Mount the threaded tube in the wheel bracket. Apply the stop arm (2) around the nut (1, Fig. 1). Mount shim 8 mm (12 mm for S3 series) (4) and tighten the nut (5) slightly.

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Fig. 4

NOTE! On Bambino you need to shorten the pin for the anti-tip lock to app.32 mm to make space for the stop arm (2).

You may use a punch to knock the pin side ways a little bit to be able to use an angle grinder to shorten the pin. Must not be shorter than 31.8 mm to secure the function of the locking of the anti.tip.



Fig. 5

Adjust the rear axle to get the right balance of the chair.



Fig. 6

Tighten the nuts firmly with spanners 23 and 24 mm.



Fig. 7

Loosen nut (7) and screw (6) to make the stop arm (2) come loose from the nut (8). Tighten nut (8) firmly with spanner 15 mm on both sides to fix the rear axle. Place the stop arm (2) back around the nut (8) and tighten screw (6) and nut (7).



Fig. 8

You may need to ream the axle hole with reamer 12,7 mm. Test with the rearwheel axle if it runs smoothly in the hole.



Fig. 9

Mount height adjustable push handles on the backrest (if not already done). Remove the black push handle grip.

Fig. 9-12 shows how to adapt the push handles for the brake handles. Ready-made push handles has art. no. 4250047.

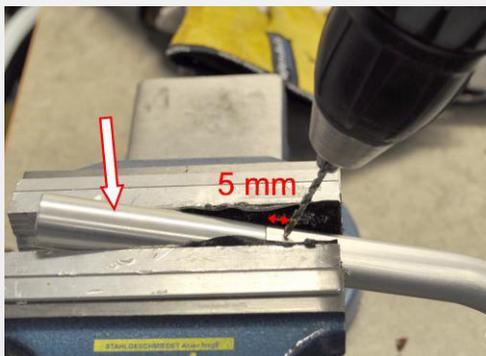


Fig. 10

Mount the included push handle extensions on the push handles. Put the push handle in a jaw vice and drill a 3 mm hole straight through, 5 mm from the edge.



Fig. 11

Enter the included pin in the 3 mm hole with a hammer.



Fig. 12

Use a sharp object to make a small hole on the back of the push handle grips. This to help air to escape when mounting the grips. Put a small amount of contact adhesive in each of the grips and mount them on the push handles.

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Fig. 13
Mount the push handles on the brackets at the back rest and pull the wires through the back rest upholstery.



Fig. 14
Mount the brake handles on the push handles.



Fig. 15
Adjust the brakes with the screws by the brake handles and by the brake linings.
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Fig. 16

Mounting of brake handles on push handle for the S3 series



Fig. 17
Remove the push bar from the wheelchair



Fig. 18
Loosen the screw on one side with allenkey 4 mm.



Fig. 19
Make sure not to loose the little locking plate when the pushbar is taken apart.

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Fig. 20
Pull off the foam from the pushbar.

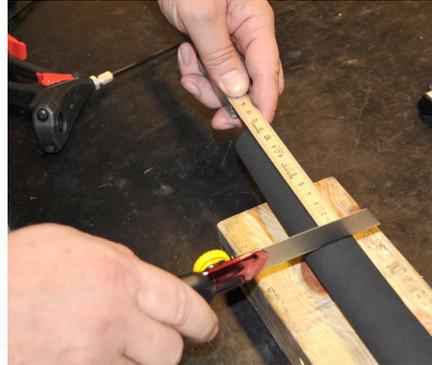


Fig. 21
Cut approx. 12cm on both sides of the foam.



Fig. 22
Remount the two foam parts on the push-handle.



Fig. 20
Mount the plastic sockets that comes with brake kit, on both sides of the push handle.



Fig. 21
Mount the brake handles and tighten the screws.

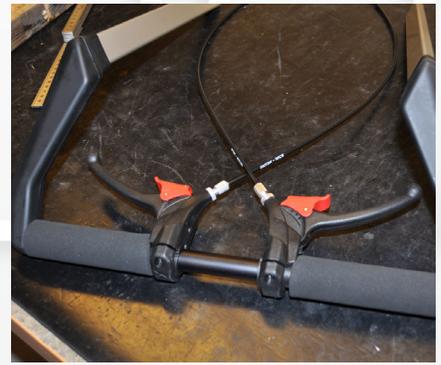


Fig. 22
Both brake handles mounted on the push-bar.



Fig. 23
If the brake handle is short, 33 cm or below, you might need to mount the handles as shown in the image to make room.

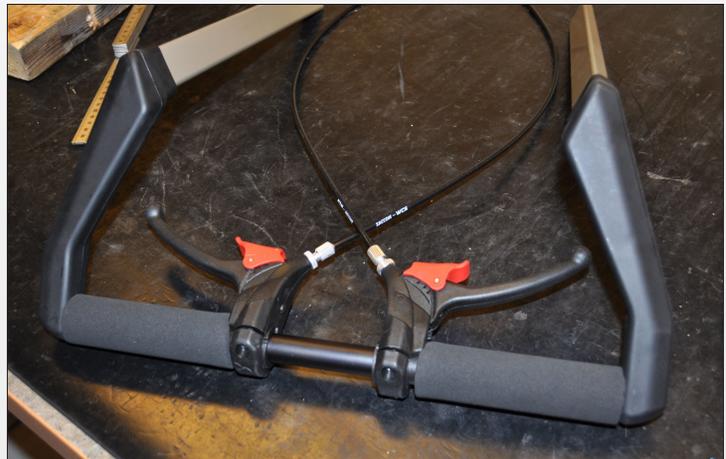


Fig. 24