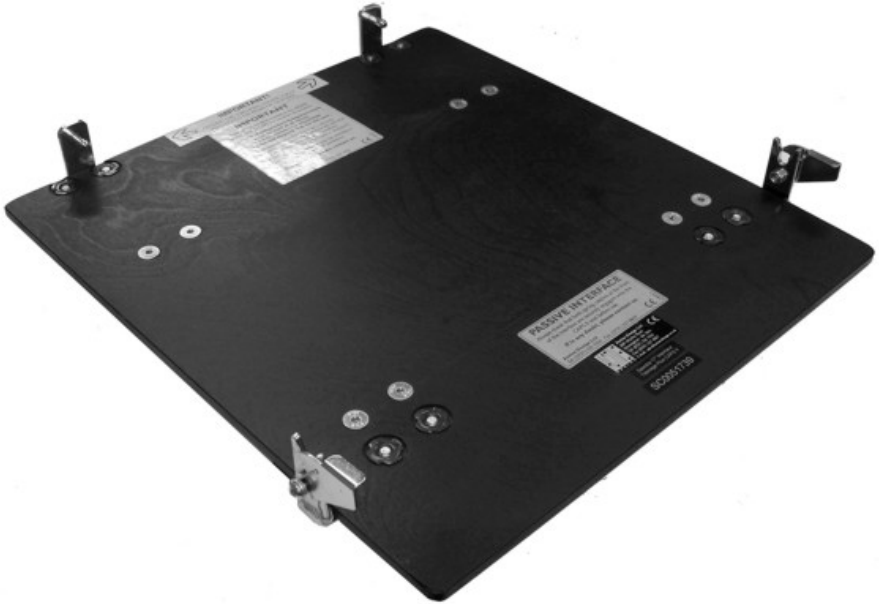


Fitting and Operating Instructions



Passive Locking Interface for use with
MiniCAPS or CAPS II Seating Systems



GETTING STARTED

When fitting a Passive Locking Interface, please methodically follow the following seven stages:

Stage	Task	Page
1	Read 'Section 1 - Important' thoroughly	3
2	Read 'Section 2 - Initial Fitting Instructions'	3
3	Identify the type of interface you will be fitting from 'Section 3 - Generic Interface Types'	4
4	Check 'Section 4 - Supplementary Instructions for Specific Bases' and identify any additional instructions that apply to the interface you will be fitting	7
5	Read 'Section 5 - Final Fitting'	12
6	Fit the interface board	-
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USAGE

This interface is designed for use only with the wheelbase and seating system specified in the attached delivery note and on the labelling on the interface board. It is not transferable to a different wheelchair type or seating system size.

SECTION 1 - IMPORTANT

- Wheelchair manufacturers' recommendations on usage should be checked prior to fitting, especially with regard to limitations or exclusions to use and weight limits (total combined weight should be considered).
- Please note that since wheelchair manufacturers may change the design or specification of their chairs at any time, it is important to be sure that the interface is securely fitted in accordance with the above instructions. If there is any query about the security of the fitting please contact Active Design for assistance.
- This interface must only be fitted by a competent person.
- This interface must be set for use with the wheelchair it is to be issued with.
- Seat and Back canvasses should be left fitted unless instructed otherwise.
- Stability must always be checked in accordance with MHRA guidelines, before using the MiniCAPS or CAPS II seating systems.
- Please refer to the MDD guidelines, No. MDD92/07, and the document "Using Active Design Seating Systems in Vehicles" published by Active Design, before using the seat in transport.
- Do not fit this interface other than in the configuration supplied.
- ***Ensure that the location of the interface or its fixings do not create a finger trap***

SECTION 2 – INITIAL FITTING INSTRUCTIONS

- If the interface has been supplied separately to a CAPS II seating system, you may need to fit two special Dome head M8 bolts into the clamps on the seat side tubes close to the front of the CAPS II if blanking bolts are currently fitted. If this is necessary, remove the blanking bolts and fit the dome bolts with the dome head pointing outwards and the nyloc nut on the inside. This may apply to older CAPS II seats, and does not apply to the MiniCAPS.
- Decide upon the mounting position of the interface onto the wheelchair seat tubes, this should be as far back as possible to allow maximum stability whilst ensuring castor/footrest clearance.

SECTION 3 – GENERIC INTERFACE TYPES

Clamp Type Interface

Uses an angle bracket attached to the interface board and a clamp located on the wheelchair frame to rigidly fit the interface to the wheelbase.

Used on: Rigid framed manual and tilting wheelbases.

1. Having decided on the mounting position, note the position of the clamps. Open the tube clamps provided, using two screwdrivers and position on the seat tubes. Close the clamp around the tube with the bolt holes underneath the seat tubes. Ensure the position of the clamp does not create a finger trap when the wheelbase is tilted.
2. Position the interface onto the seat tubes, with angle brackets on the inside and insert the bolts through the tube clamps from the outside, fitting two washers between the clamp and interface bracket. It may be necessary to adjust the position of the angle brackets on the interface to ensure a good fit between the seat tubes of the wheelchair. Check the interface is squarely aligned.

Angle Bracket Direct Fit Interface

Uses an angle bracket attached to the interface board that is bolted directly to the wheelbase frame.

Used on: Most powered wheelchairs

1. Check the width setting of the angle brackets to ensure they will fit just to the outside of the wheelchair seat frame. Adjust them if necessary
2. Position the interface onto the seat frame, with angle brackets on the outside of the seat frame. Check the interface is squarely aligned.

Hook Type Interface

Hook brackets attached to the bottom of the interface board allow the interface board to be removed when the wheelchair is folded.

Used on: Most folding manual wheelchairs.

1. To attach the interface, remove the wheelchair armrests and partially fold the wheelchair (from side to side only). Position the interface over the wheelchair seat tubes and open the wheelchair frame. This will engage the hook brackets on the to the wheelchair seat rails.
2. The hook brackets should locate securely on the seat rails when the wheelchair cross braces are locked in the unfolded position. They should **not** prevent the wheelchair locking mechanisms engaging nor should there be any amount of play. The wheelchair armrests may also require adjustment to ensure adequate seat width for the interface.
3. Adjust the position of the brackets until a satisfactory fit is achieved (this will require removal of the interface). Align brackets centrally.
4. It may be necessary to fit the four extra tube clamps to the seat rails to prevent the interface sliding forwards or backwards (the seat canvas should be re-fitted after fitting clamps). Please contact us and we will supply these free of charge.

Buggy Type Direct Fit Interface

A small angle bracket is bolted directly to the buggy or school base framework. The interface is rigidly fitted to the triangular plates of the base.

Used on: Kimba Spring, Kimba Neo, Snappi 2.

1. Remove the silver bars if they are in place between the triangular mounting plates on the base.
2. Position the interface onto the base and align the holes on the angle brackets underneath the interface board with the holes on the triangle plates attached to the base.
3. Bolt the interface to the triangular plate in all four positions. Use Nyloc nuts or Loctite Nutlock 243 or similar on these bolts. Tighten all the bolts.

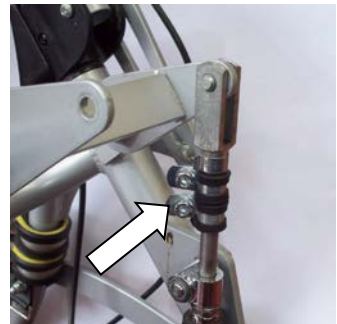
SECTION 4 – SUPPLEMENTARY INSTRUCTIONS FOR SPECIFIC BASES

Chunc Adapt/One

1. This interface board is suitable for a Chunc Fixed Seating Option. It may need to be configured in this form if it is supplied as another option. Refer to the Chunc documentation as appropriate.
2. The interface bolts directly into the plastic bushes positioned on the tube that run between the two sides of the Chunc frame. For some smaller CAPS II seating systems, the rear bushes may need to be rotated so the nut insert is on the front side of the Chunc cross bar.
3. Use a permanent threadlock (Loctite Threadlock 243 or similar) on the bolts supplied with the CAPS II.

Kimba Spring/Kimba Neo

1. On some Kimba Spring models, the tilt restriction assembly may need to be moved in line with our instructions to allow the interface to fit. You will also require a kit of fixings – please contact us for further information.
2. Fit two 'P' clips where shown in the picture, right. This limits the forward tilt of the base. A 'Kimba Interface Fixings Kit' should be supplied with the interface board.
3. Use the M8 bolts and washers supplied in the 'Kimba Interface Fixings Kit' to attach the interface board to the Kimba Base.



JCM/R82 Hi-Lo Base

1. Please also refer to the user handbook for the base for correct operation of the Hi-Lo base.
2. The Hi-Lo Base will already be fitted with the interface board when it is supplied. Additional instructions are available for fitting Push Handles and Adjusting Gas-Strut position. Please contact us if you require these instructions.

Spectra Plus/XTR Firm Seat

Some sizes of interface board (All MiniCAPS except D3; Nursery and Nursery Plus CAPS II) use the Flat Bracket Type – Top Fixing (see Page 5 for further details). For all other sizes of interface board (D3 MiniCAPS, Child size CAPS II upwards) follow the instructions below. This type of interface board fits directly to the wheelchair seat frame. It is only compatible with the Standard (Spectra Plus) Seat Option as specified in the Invacare Prescription Form.

1. To attach the wheelchair, remove the wheelchair armrests and seat canvas.
2. Remove the bolts from the vertical legs of the angle brackets attached to the CAPS II interface board.
3. Remove the grub screw towards the front of the Spectra Plus seat rail that secures the wheelchair footrests. Remove the footrests if they are in place and the grub screw.
4. Align the angle brackets attached to the CAPS II interface board with the bush welded to the seat rail at the front of the wheelchair seat rail, and the hole towards the rear.
5. Use the bolts provided to secure the interface board to the wheelchair seat rails. Use Loctite on these bolts.
6. Thoroughly check the operation of the wheelchair base, in particular any seat adjustment mechanisms such as a seat riser to ensure they do not come into contact with any part of the interface board.

Spectra XTR/Invacare System with Modulite Seat

In order to position the interface in the optimum position, spacer blocks can be used with some combinations to allow the powerchair push handles to be moved out. If required, the seat can then be positioned further to the rear on the powerchair when required.

Fitting Instructions without Push Handle Spacer Blocks:

1. Slide the provided square nuts into the aluminium tracks in the side of the Modulite Base.
2. Place the Interface on the top of the base
3. Ensure bolts have Loctite applied to the threads
4. Using the fixings provided, bolt through the angle brackets into the square nuts
5. Ensure all bolts are tightened properly.

Fitting Instructions with Push Handle Spacer Blocks:

1. Remove the bolts securing the push handles on one side of the Modulite seat frame. Position the spacer block provided between the push handle and the Modulite frame and attach using the bolts supplied. Ensure bolts have Loctite applied to the threads.
2. The Modulite push handle will need to be adjusted so it is offset by one hole.
3. Repeat with the opposite side.
4. Slide the provided square nuts into the aluminium tracks in the side of the Modulite Base.
5. Place the Interface on the top of the base
6. Ensure bolts have Loctite applied to the threads
7. Using the fixings provided, bolt through the angle brackets into the square nuts
8. Ensure all bolts are tightened properly.

Discovery

We would recommend that a Transverse Bar Frame is fitted to the Discovery if the chrome seat frame between the seat rails is removed. These are available from Otto Bock. The part numbers are:

Part Number	Description
HR32042800-000	Transverse Bar Frame Width 36cm
HR32042900-000	Transverse Bar Frame Width 40cm
HR32043100-000	Transverse Bar Frame Width 45cm
HR32043150-000	Transverse Bar Frame Width 50cm

See <http://etk-op.ottobock-shop.de> for further details if required.

Decide upon the mounting position of the interface onto the wheelchair seat tubes, this should be as far back as possible to allow maximum stability whilst ensuring castor/footrest clearance. Note the position of the clamps.

Rea Azalea

1. This interface fits directly to the Rea Azalea seat frame. If necessary, remove the wheelchair seat cushion or seat canvas.
2. Remove the four Hex Head bolts from the bottom face of the interface board.
3. Position the interface onto the seat tubes, lining up the t-nuts with the hole on the wheelchair seat frame.
4. Insert the four bolts from the underside of the interface board into the t-nuts

Activate Tom Cross/Streetwise

The Tom Cross Interface board has been changed from a Clamp Type Interface for MiniCAPS seats (some larger seats may be the clamp type). Two metal plates are bolted to the bottom of the board. These need to hook over the Tom Cross frame. To fit the interface, remove one of the plates, hook one end of the board onto the frame. Locate the other end into the frame and re-fit the metal plate. Use Nutlock 243 or similar on all fixings. If a clamp type interface is supplied, please note that the clamps should be positioned on the Tom Cross interface frame between the two tubes that run from side to side.

SECTION 5 – FINAL FITTING

Ensure all mounting bolts are tightened, including the bolts fixing any brackets to the base of the interface.

Position the seating system onto the interface by aligning the pegs at the back of the interface with the holes on the black rear seat board mounting located on the back of the seat board.

Check the operation of the front catches on a CAPS II seating system, or the single plunger located underneath the interface board on a MiniCAPS. They must passively lock the seat onto the interface once it is in position. If they do not, adjustment of the locking mechanism will be necessary. Please contact us if required.

SECTION 6 – REVIEW AND MAINTENANCE

We recommend that the red seat restraining strap is fastened around the back of the remaining seat frame as a secondary safety device, and that the armrests are also used.

The interface should be checked every 6 months (maximum period 12 months) for security of fixings, nuts and bolts and the correct operation of the spring loaded catches.

If you are unsure about any part of these instructions, please contact us.



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