

# Fitting and Operating Instructions



*Chailey*  
**Standing**  
*Support*



The  
**Chailey Approach**  
to Postural Management

## **IMPORTANT!**

Please read the instructions in full before using the Chailey Standing Support.

The Chailey Standing Support must be set up and adjusted by a competent therapist or rehabilitation engineer before use.

Ensure the main trunk support assembly is located in position and the location pins are both fully engaged

Ensure the brakes are fully engaged before use.

The Chailey Standing Support may be heavy. Take care when lifting a heavy load.

If you are unsure of any part of these instructions or have queries on the use of the Chailey Standing Support, do not hesitate to contact us.

# INTRODUCTION

The standing support should be viewed as an integral part of the child's postural management programme. Research evidence indicates that children with Cerebral Palsy who do not achieve standing or walking independently, are more at risk of developing hip problems (Scrutton & Baird 1997).

*Children who have reached the appropriate chronological age to stand and are unable to do so will need to experience standing with the correct biomechanical support in the upright position.*

The Chailey Standing Support will help your child to:

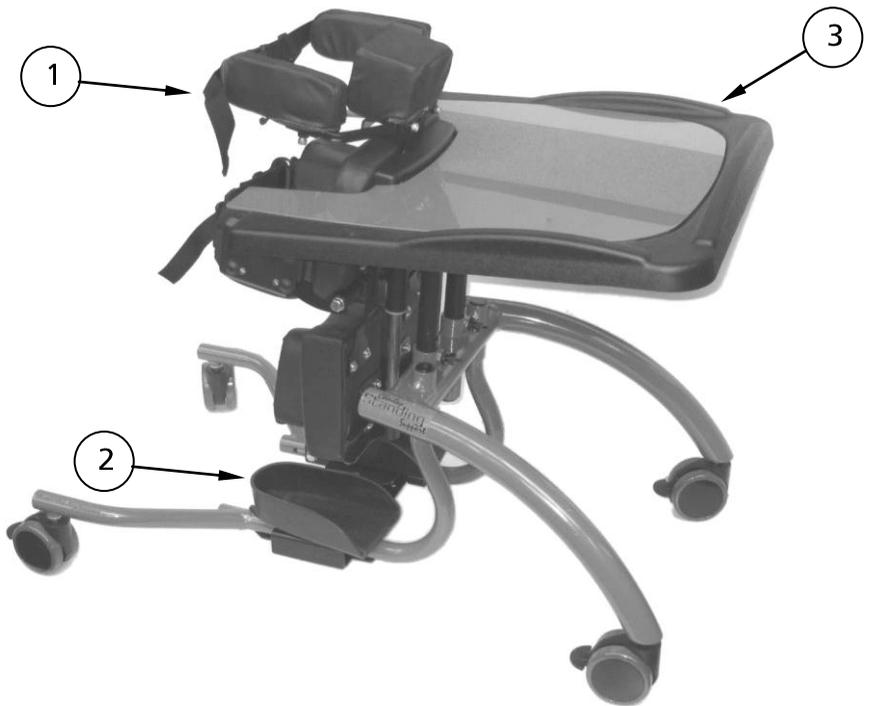
- Be more able in the standing position
- Have a good starting position for movement
- Gain better use of head and hands to play and use switches
- Have greater independence
- Have change of position, allowing gravity to help with digestion and breathing
- Offers an opportunity for loadbearing and be at a similar height as peers.

# IDENTIFYING THE COMPONENTS

The Chailey Standing Support consists of three main components:

1. Body Support
2. Main Frame with Footrest Assembly attached
3. Tray (with bowl and lid)

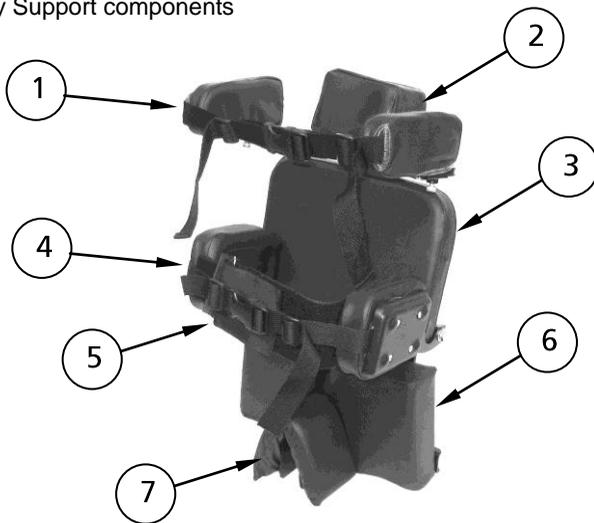
Figure 1 – Main components



The Body Support consists of the following components:

1. Thoracic Lateral Supports and Safety Strap
2. Anterior Chest Support
3. Trunk Cushion
4. Pelvic Lateral Supports
5. Pelvic Strap and Safety Strap
6. Thigh Supports
7. Pommel

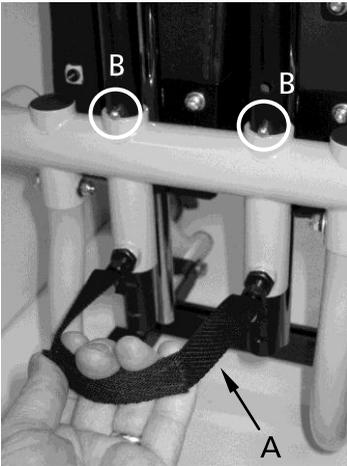
Figure 2 - Body Support components



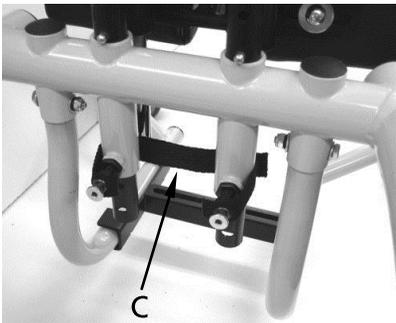
In some cases, in particular where a user has good upper trunk ability, the Anterior Chest Support and Thoracic Laterals Support may not be fitted.

# SETTING UP THE CHAILEY STANDING SUPPORT

## Positioning the Body Support in the Main Frame



Separate the two halves of the black strap and bring towards the front. Refasten the Velcro to form a loop (A). This can then be used to operate the location pins on the Main Frame. Partially insert the Body Support into the Main Frame. While still holding the Body Support, pull the loop handle and move the support into position until it is located against the stops (B).



Engage the location pins by releasing the loop. Re-position the strap behind the Main Frame tubes (C).

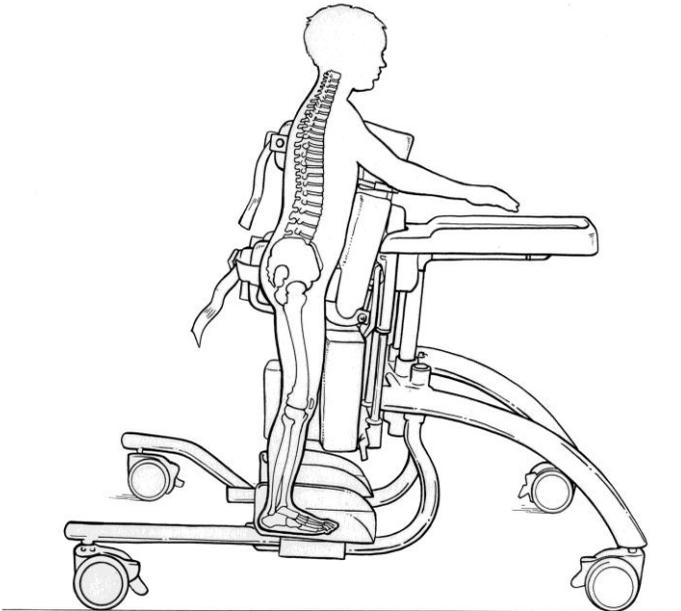
### **IMPORTANT!**

**Check the Body Support location pins are fully engaged before use. Always re-position the black strap behind the frame. This ensures the release mechanism is more difficult to operate.**

## Optimum Location of Components

Figure 3 shows the location of the components of the Chailey Standing Support and how they should normally be positioned in relation to the user.

Figure 3 – Optimum Location of Components



The footplates are adjustable to facilitate a standing base as wide as or slightly wider than the pelvis.

A soft Anterior Chest Support allows trunk movement, protraction of the shoulder girdle and free movement of the arms. The Thoracic Lateral Supports should be positioned approximately 4-5cm below the level of the axillae. Where the child has good trunk ability, they may be lowered or

removed entirely to encourage more upper trunk movement. A safety strap is used to allow movement within a defined range.

The Trunk Cushion is angled forwards at 10° from the vertical at the level of the hips (in line with the centreline of the pelvic lateral pads. It is indicated by the change in angle on the trunk cushion that can be seen as a horizontal line across the width of the cushion). This supports the trunk forward over the base and the shape encourages some hip flexion.

The Pelvic Lateral Supports should be positioned in line with, or just above, the greater trochanters to stabilise the pelvis and maintain symmetry. The Pelvic Strap stabilizes the pelvis in a neutral or slight anterior tilt.

The Thigh Supports can be adjusted to vary the amount of abduction. The knees should be located on the Thigh Support, and be at least 4cm above the bottom edge of the cushion.

## **Checking the Initial Setup**

The Chailey Standing Support will be delivered already set up to the measurements recorded on the prescription form. The lateral supports will be symmetrical and centrally aligned and may need to be moved to accommodate asymmetry, or if you want to allow more active movement in the trunk.

Once all the adjustments have been made, re-check all components for the correct position and tighten all the bolts with the tools supplied with the Chailey Standing Support.

If the measurements were not provided with your order, you will need to take these now and set the support up accordingly. It is recommended you

record these on a Chailey Standing Support Prescription Form for reference later if you need them (our booklet 'Standing as Part of a Postural Management Programme' may also be useful).

# ADJUSTING THE CHAILEY STANDING SUPPORT

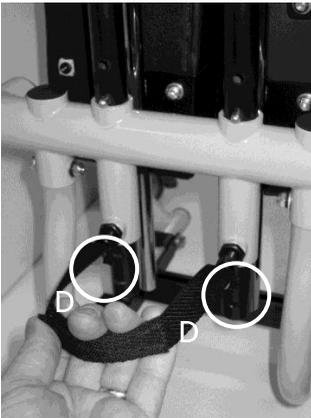
## IMPORTANT

It is strongly recommended that primary adjustment is carried out *without* the user in the support.

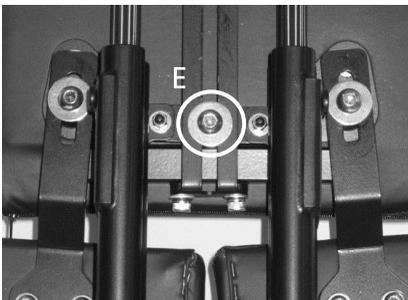
### Adjust the Height of the Body Support (Measure Heel to Hip)

There are two types of adjustment of the Body Support:

- Primary adjustment
- Secondary adjustment



To change the primary adjustment, release the location pins on the Main Frame (D) and move the Body Support to the most appropriate position. Engage the location pins. If necessary, move the stop to ensure the Body Support is always inserted at the correct height.



To adjust the secondary adjustment, loosen the bolt (E) at the centre of the Body Support that runs in the adjustment slot. Lift or lower the Body Support to the correct height. Tighten the bolt fully.

## **TIP**

When carrying out initial adjustments without the user in the support, set the secondary adjustment slightly too high. It can then be adjusted down slightly when they are in the support (it is easier to adjust down than up when the user is in the support).

## **TIP**

Always try to adjust the Body Support starting with the secondary adjustment on its lowest setting, positioning the primary adjustment on its maximum setting for the hip height you are trying to achieve. This will make it easier to readjust in the future as the user grows as only the secondary adjustment will need to be changed.

## **Adjusting the height of the Anterior Chest Support and Thoracic Lateral Supports (Measure Heel to Axilla)**



These two components adjust together. Loosen the single bolt (K) securing the assembly and move the supports to the desired location. Tighten the bolt. Check the Hip to Axilla height to ensure it ties in with the Heel to Axilla measurement.

## Adjusting the width of the Thoracic Lateral Supports (Measure Chest Width)

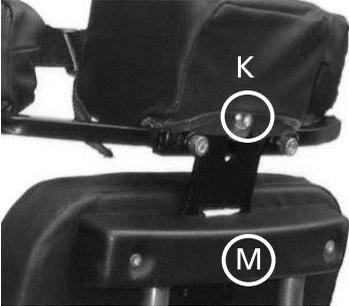


Loosen the bolt (L) securing the lateral support. Adjust to the desired location and tighten the bolt. Ensure they are symmetrical and centrally aligned.

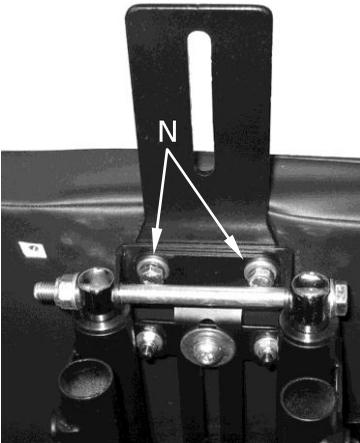
If the user has good trunk control it is possible to fully remove the thoracic laterals. Unfasten the safety strap and loosen the bolts (L) enough to fully remove the pads. Re-tighten the bolts against the lateral tube socket so they are still available if the laterals need to be reused.

## Removing the Anterior Chest Support Assembly

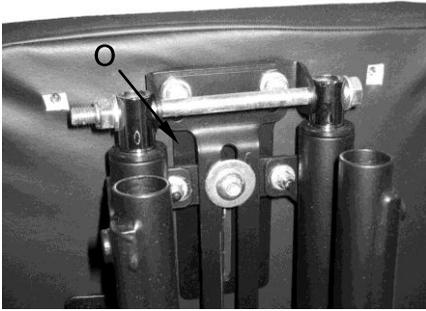
Remove the tray. Remove the bolt securing the chest support (K). Remove the chest support replacing the bolt into the chest support so it is available if it is needed again.



Locate the Body Support into the main frame in its lowest position (this helps to keep the sliding mechanism aligned when removing the plate). Remove the plastic moulding (M) covering the top of the slider assembly.



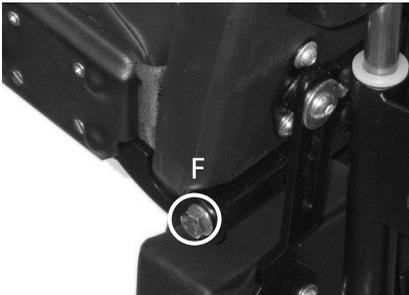
Carefully loosen and remove the two 10mm bolts (N) securing the Chest Support Vertical Adjustment plate.



Once they have been removed, rotate the plate through 180° (O) and insert back onto the Body Support (this ensures the correct spacing of the sliding mechanism is retained). Replace the bolts using new shakeproof washers and tighten. Reposition the plastic moulding.

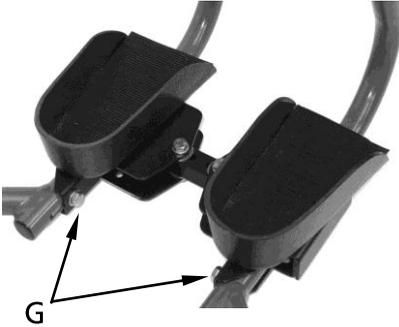
If these steps are carried out carefully, the sliding mechanism should still be operational. To check this, loosen the central adjustment bolt (E) and check the fine height adjustment by sliding the Body Support between the minimum and maximum positions.

## **Adjusting the Pelvic Lateral Supports (Measure Hip Width)**



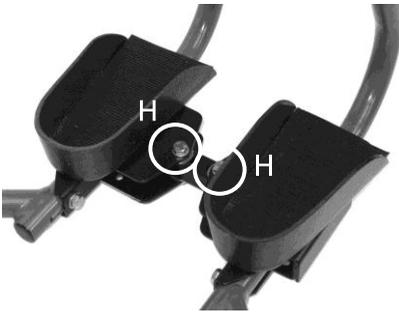
The width between the pelvic supports can be adjusted. Loosen the bolt (F) on the pelvic pad support arm and move the pad to the required position. Ensure the pads are symmetrical and centrally aligned.

## Adjusting the Footplate depth



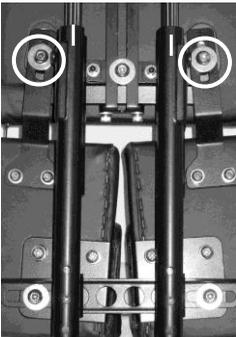
Loosen the bolts securing the footplates (G). Move the footplate assembly to the desired location. Tighten the bolts.

## Adjusting the Footplate width (Measure Heel Width)



Loosen the two central bolts securing the footplates (H). Move each footplate to the desired location. Tighten the bolts. Ensure the footplates are symmetrical and centrally aligned.

## Adjusting the height of the Thigh Supports (Measure Hip to Knee)



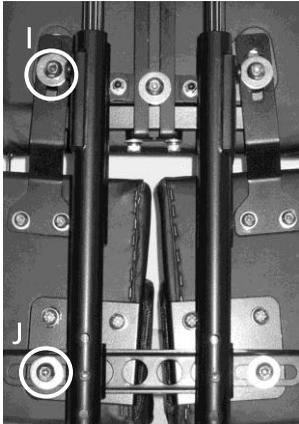
Loosen the top bolts of both the Thigh Supports (I). Adjust the height to the desired location. Retighten the bolts.

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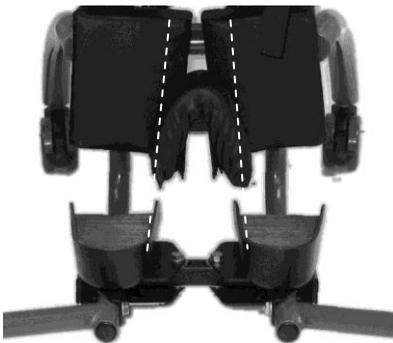
## TIP

If you are making a fairly large adjustment, you may find it easier to also loosen the two bottom bolts (J) to allow the Thigh Support to pivot while they are adjusted.

## Adjusting the angle of the Thigh Supports



Loosen the top (I) and bottom (J) bolts of the Thigh Support that you want to adjust (work with one side at a time to ensure both thigh supports remain at the same height). Adjust the support to provide that appropriate amount of ab/adduction. Tighten the bolts. Adjust the other Thigh Support if necessary in the same way.



Once the angle has been adjusted, the medial supporting surface of the thigh supports should be symmetrical and in line with the inner face of the footplates (illustrated by dotted line on picture). You may need to adjust or readjust the footplates to ensure this is the case.

## **Adjusting the Height of the Tray**

Loosen the nut on the location clamp. Release the two thumb screws and adjust the tray to the correct height. Tighten the thumb screws and position the location clamp on top of the tube (this clamp ensures the tray is always located in the same position). Tighten the nut.

# USING THE CHAILEY STANDING SUPPORT

## Placing a Child in the Chailey Standing Support

To place your child in the Chailey Standing Support, follow the following steps:

- Check the child is wearing appropriate footwear
- Make sure you have enough help to position the child, either with another person or helped with a hoist
- Put the brakes on and make sure all straps are undone and out of the way
- Place the feet in the footplates and stand the child up into the support
- Move the pelvis until it is level and upright
- Secure the Velcro pelvic strap and then the safety strap
- Secure the thoracic strap
- Straighten the child's trousers if they are bunched up (this can cause unnecessary pressure).
- Check and readjust pelvic position if necessary
- Check overall alignment, and readjust if necessary
- Check with the child that they are comfortable.

## Moving the Chailey Standing Support

### **IMPORTANT**

**We recommend that this base is not used for moving a child from one room to another or over uneven or sloping surfaces**

It is possible to move a child around a room whilst they are in the standing support. To do so, release each of the four brakes and carefully push the standing support to the required location. When in place, ensure all four brakes are engaged.

### **Maintenance**

Every six months, you should check the positions of all components for a good fit, ensure all bolts are tight and the cushions are not worn out. Straps should be checked for signs of wear.

As the child grows the support will need adjusting. The Chailey Standing Support is fully guaranteed for 12 months but should last between 2 and 4 years if correctly prescribed and maintained. It will need changing when the child has outgrown the full range of adjustment.

The following cushions have covers that can be removed for washing:

- Anterior Chest Support
- Thoracic Lateral Supports
- Trunk Cushion
- Thigh Support Medial Cushions

A 40° wash should be used, and they can be tumble dried. The foam inside has a special lining that allows the skin to breathe. This lining should not be removed. The other cushions can be wiped clean with a damp cloth.

## **SUMMARY**

Children need to feel secure (physically and emotionally) before they are able to be active, sleep or play happily. The Chailey Standing Support will help with this by providing a biomechanically correct position and boundaries within which movement can be experienced and learned in a positive way. The Chailey Standing Support is one part of a 24-hour postural management programme that may include seating, a lying support, active movement (such as horse riding) and hands-on treatment.

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