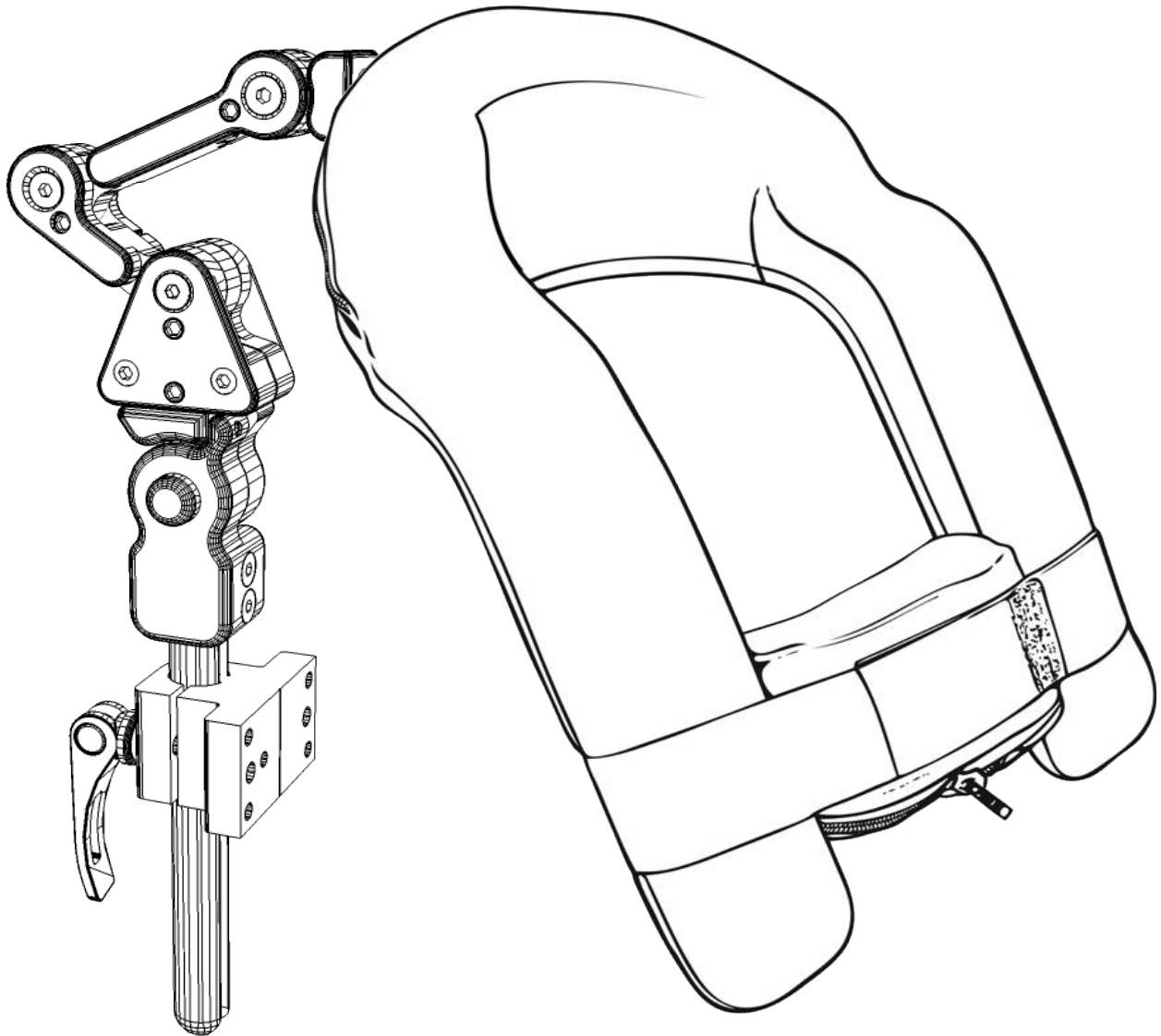


I2I Head and Neck Positioning System

Owners Manual



Caution: read manual before using the i2i. Incorrect use of the i2i could result in serious bodily harm.



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Table of Contents

▪ Introduction.....	pg.1
▪ Safety Warnings/ Care and Maintenance.....	pg.2
▪ Chin Prompt	
•Proper Use.....	pg.3
•Fitting.....	pg.3
▪ I2I Headrest	
•Indications for use.....	pg.4
•Recommendation & Fitting.....	pg.4
▪ Mounting Hardware	
•Installing the Seat Back Mount.....	pg.4
•Mounting and Adjusting Headrest.....	pg.5

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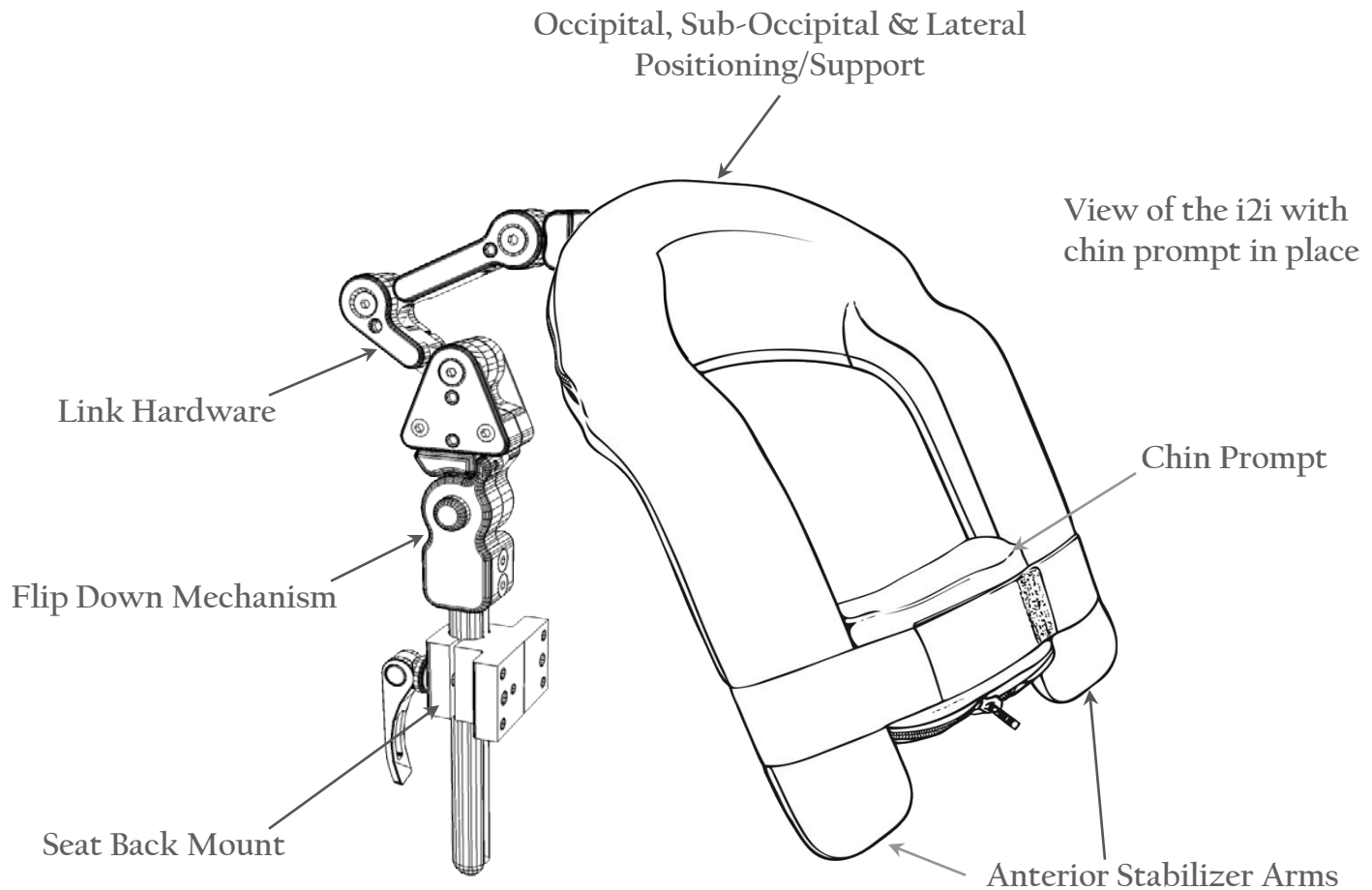
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I2I - Introduction



- I2I Headrest – Head & Neck Positioning System
- Chin Prompt – Padded Chin Support
- TWB480 Hardware – Dual Link System with Quick Release System
- FDM380 – Incorporated with the TWB480, It allows the entire system to flip back.
- SBM400 – Seat Back Mount

Safety Warnings

I2i Head and Neck Positioning system

The i2i head positioning system should only be prescribed and fitted by qualified health care professionals. Users of the i2i must be supervised at all times. Ensure that the placement of the i2i does not interfere with or restrict the airway.

DURING TRANSPORT, ensure that the client is properly aligned and that seat belts and harness are fastened. Be sure that the headrest is also aligned so that the user does not move into a position that creates force against any part of the body. The i2i is not intended to be used as a restraint or stabilizer during transport.

Shunts: If a client is shunted, consult their physician if you feel there may be any compression or interference with the shunt before using the i2i.

CHIN PROMPT: The chin prompt is to be used only with direct supervision. It is intended to be used only as a therapeutic tool; or for additional assistance for feeding, communication, therapy and limited periods of time to increase the users ability to attend to an activity. It is never to be left in place as a full-time positioning device. The chin prompt should only be prescribed and fitted by qualified health care professionals.

USERS of the chin prompt should be supervised at all times.

DO NOT use the chin prompt during transport.

REMOVE the chin prompt before removing the i2i.

FAILURE TO COMPLY WITH THESE WARNINGS COULD RESULT IN SERIOUS BODILY HARM

Care And Maintenance

- Periodically check the hardware for loose screws or worn parts. Replace or repair the parts as needed.
- Periodically check the headrest for any foam breakdown and/or metal coming through the foam as this could be potentially dangerous for the client.
- To wash the headrest cover: Remove the cover from the headrest, machine wash in cold water on delicate cycle and drip dry.
- To wash sheepskin covers: Remove the cover from the headrest, machine wash in cold water on delicate cycle(or dry clean), and dry. **DO NOT USE BLEACH, DO NOT IRON, MAX TEMP. 80 DEGREES CELSIUS.**

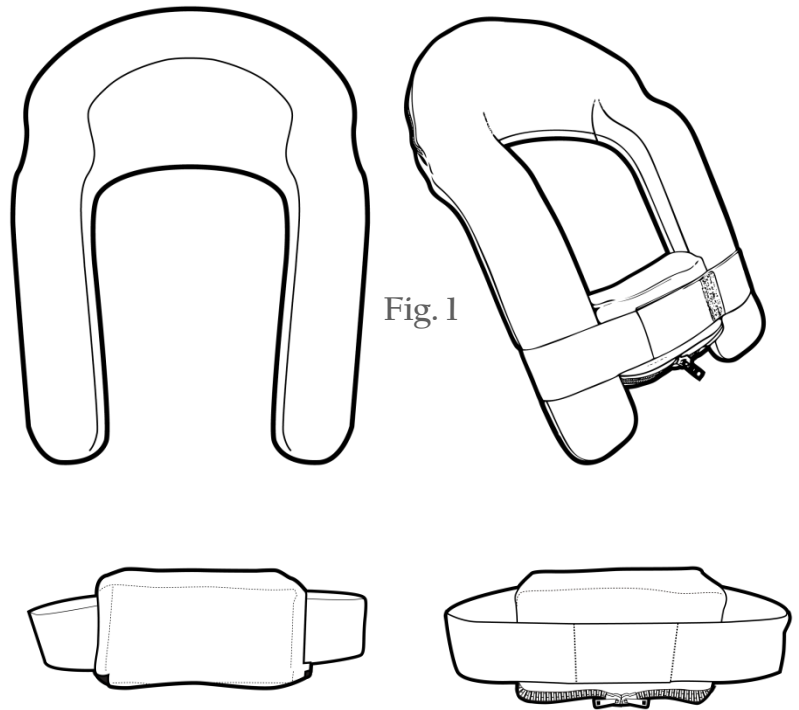
Hardware Positioning:

The standard i2i configuration uses TWB480 Flip Down Hardware, consisting of a vertical round stem with anti-rotation notch and flip down mechanism, a triangle clamp and positioning links with mounting ball. The triangle should be positioned to be even with the top of the seat back so that when the headrest is flipped down, the hardware also clears the top of the back as to not be a potential safety hazard for the client.

Chin Prompt

Proper Use:

The placement of the chin prompt would also be determined on an individual basis. In general, if the client requires maximum assistance to hold their head up, you would place the prompt in direct contact with the chin while the head is in a neutral position. To use the prompt therapeutically, you would intermittently lower the prompt to allow for active neck extension within a limited range. As the client gets stronger you would gradually lower placement of the prompt or intermittently remove the prompt.



Fitting:

If the client requires less assistance/support from the prompt, initially place the prompt just below the chin, using it as a boundary to limit the amount of neck flexion that the client might otherwise lapse into. (Decreased excursion usually results increased ease). The curved part of the chin prompt faces the neck. Place the chin prompt in between the anterior stabilizing arms at desired height (fig. 1). Then, wrap the right side strap around the arm and attach it to the velcro on the chin prompt. Next, wrap the left side strap around the arm and attach it to the velcro on the chin prompt.

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I2I Headrest

Indications for use:

Potential user fall into 2 general groups:

- Those too weak to hold their heads up for any extended amount of time.
- Those with a great deal of extensor tone but poor head control (often resulting in their heads getting caught under or to the side of their current headrest and requiring constant repositioning by the caregiver)

The goal for users in group 1 is to provide ample support in all directions, especially anteriorly. The goal for users in group 2 is to provide a system that would offer enough lateral and posterior support that when they begin to extend their necks, they would be invited back into a midline position and not have to worry about getting caught or tangled up with head positioning equipment or have a surface behind the occiput that may provide the perfect spot to push off into neck hyperextension.

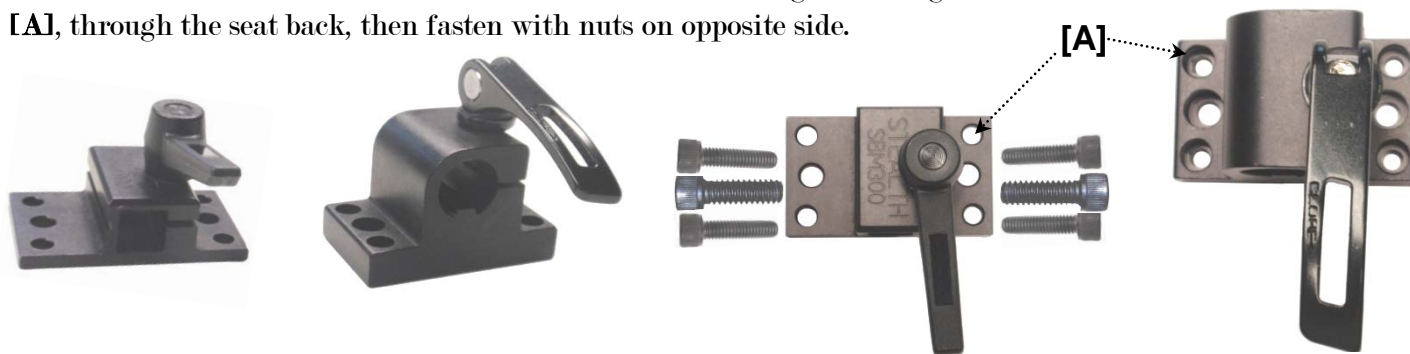
Recommendation & Fitting:

The headrest is the finishing point of any seating system - **NOT A STARTING POINT**. If a client does not hold his/her head erect, it does not necessarily mean they have poor head control. It could be the result of an improperly fitted seating system. Always begin with a thorough mat evaluation where all orthopedic and medical concerns are addressed. Only after you have determined that their seating system is a proper fit, and your client continues to require assistance, would we recommend the use of the I2I head & neck positioning system.

The I2I is not intended to function like a custom molded seat for the head. It is designed to allow freedom of movement of the neck, but set some boundaries to limit neck extension, lateral flexion and forward flexion (when using chin prompt). The fitting will vary slightly on an individual basis. But in general, we recommend that the framework of the I2I follow the contour of the neck, shoulders, and chest. There should be approximately $\frac{1}{4}$ " to $\frac{1}{2}$ " of clearance between the headrest and your client's body. Do not position in a way that will apply any force on the body in any area. Remember, some clients will never hold their heads in midline due to contractures or other orthopedic concerns. Adjust the headrest to their specifications, needs and comfort. Not just to look good. The anterior stabilizer arms can be bent or molded to improve individual fit.

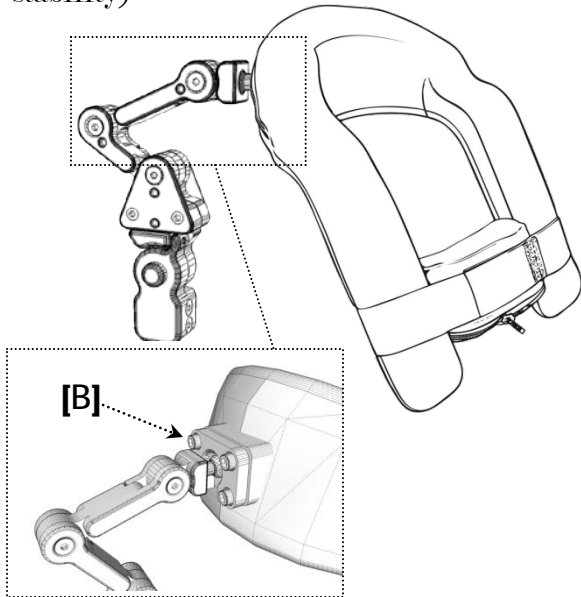
Installing the Seat Back Mount

Each seat back mount will come with two $\frac{1}{4}$ - 20 x $\frac{3}{4}$ " Socket Head Screws and four 10 - 32 x $\frac{3}{4}$ " Socket Head Screws for mounting to the seat back. To attach to the seat back: Drill the necessary holes in the seat back. Insert the $\frac{1}{4}$ - 20 and/or the 10 - 32 Socket Head Screws through the designated holes in the seat back mount [A], through the seat back, then fasten with nuts on opposite side.

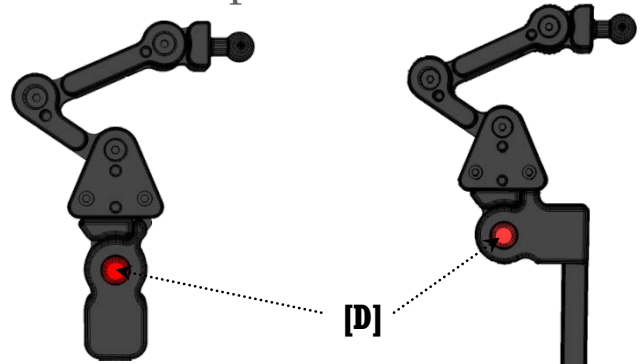


Mounting Headrest to Hardware

Place the 17mm Ball into the designated socket in the rear of headrest. Place the split ring around the ball & insert the four socket head screws [B] through the ring and into the threaded holes in the rear of headrest. Tighten screws with a 5/32 hex key. (All link hardware includes several set screws for increased stability)



Flip Down Hardware

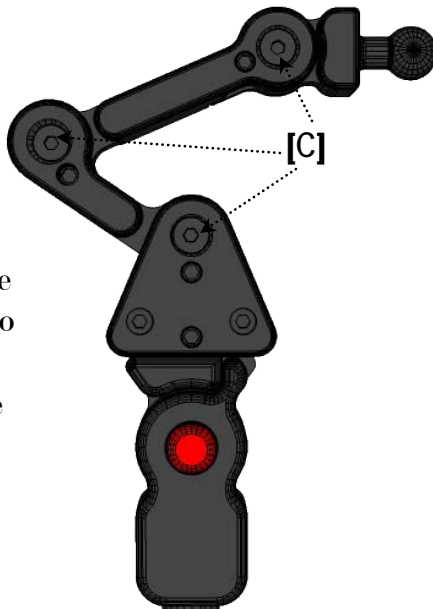


To use the flip down function:

Link Hardware/Offset Link Hardware: Press the red release button [D], the hardware will flip down. The hardware will automatically lock into place when returning to the upright position.

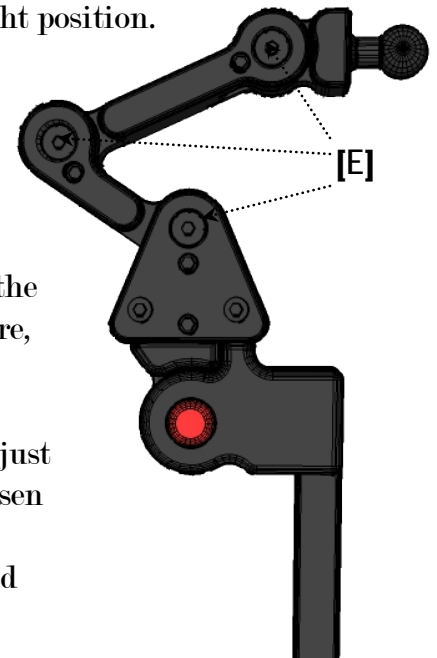
Link Hardware

There are three points of angle adjustment on the link hardware. To adjust angles [C], lightly loosen the flat head screws, set desired angles and retighten screws.

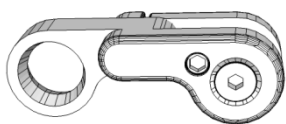


Offset Link Hardware

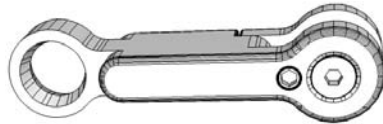
The Offset Link Hardware offers the same adjustability as the standard link hardware, but uses 15mm square tubing and adds a posterior offset. To adjust angles [E], lightly loosen the flat head screws triangle, set the desired angle and retighten screws.



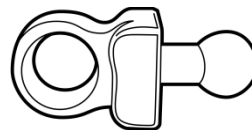
2" Offset Link



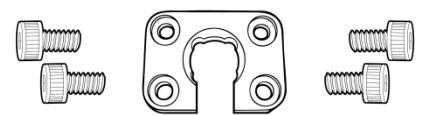
3" In Line Link



17mm Ball



SU – Split Ring



10-24x1/2 Socket Head Screws

*Flip Down Hardware is required for the i2i.

CE

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