



Tamarack[®]

HABILITATION TECHNOLOGIES, INC.

Tamarack[®] Slot-Stop Plantar Flexion Motion Limiter Kit

Medial and Lateral, Adjustable Stops (1 Set)
Part #741-ML-SS



www.tamarackhti.com

MADE IN MINNESOTA ★ U.S.A. ★

RECOMMENDED TOOLS

Goniometer



Coping Saw or similar



Heat Gun / Blow Dryer

Small pilot drill bit (1/8" or similar)



3/8" Drill Bit (9.5mm)



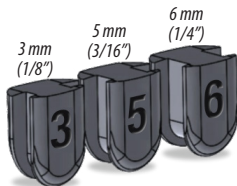
Pliers



LM Hex Driver (2.5mm)



IMPORTANT: Ensure you have selected the correct size (slot width) to match the AFO plastic thickness.



Tamarack Slot-Stop Plantar Flexion Motion Limiters

are intended to be installed posterior to the ankle joint on both sides of the AFO (IMAGE A).

It is optional to install only one in the Achilles area, commonly done in small or pediatric AFO sizes (IMAGE B).

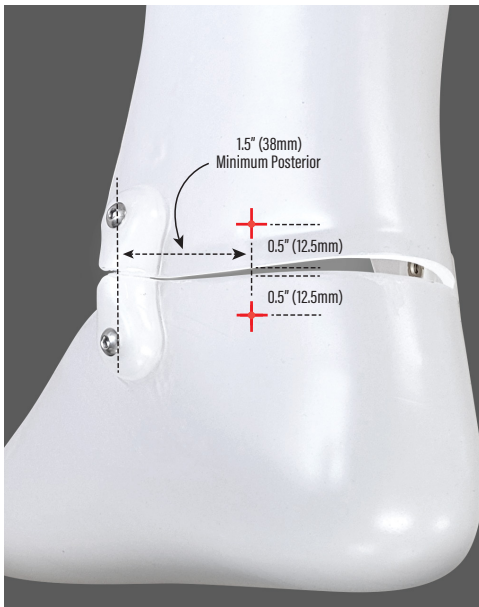
Prior to installation, ensure that the AFO has already been assembled with the ankle joint components. This prevents any misalignment of the upper and lower stop pieces.

Ensure that the AFO trim lines are to the maximum expected plantar flexion range of motion. Once installed, the adjustable feature can reduce the allowed plantar flexion as desired.



STEP 1

To create the required slots, begin by locating and marking the center of the holes at a distance of 0.5" (12.5mm) from the trim line edge.



STEP 2

Depending on trim lines and desired plantar flexion angle limit, mark your reference lines so the slot-stop pieces will be aligned.



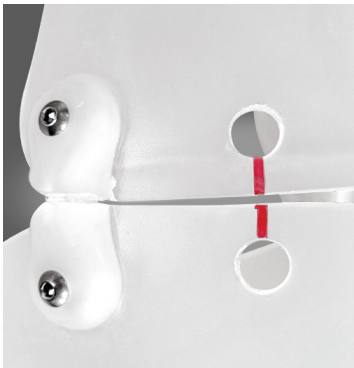
STEP 3

Drill each of
the pilot holes
to approx.
1/8" size
(3mm)



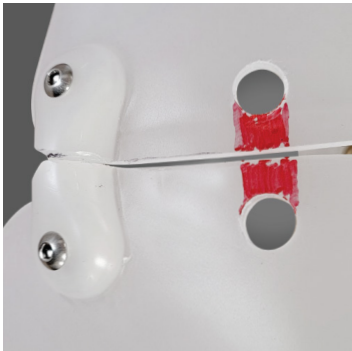
STEP 4

Drill the
final holes
to 3/8" size
(9.5 mm)



STEP 5

Draw tangential lines from the edge of the hole to the edge of the shell.



STEP 6

Partially disassemble the AFO, as shown.

Use a coping saw, cast saw, or similar saw to cut along the inside of the lines sketched, such that a slot is created.

Gently debur the slot.



STEP 7

Remove the hot glue horseshoe from one of the slot-in pieces and use this to “dry-fit” each of the finished slots.

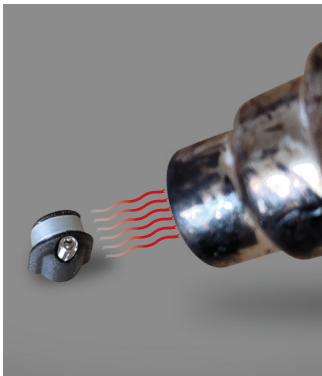
A slight LOOSE fit is acceptable and anticipated, as the hot melt can accommodate large gaps.



STEP 8

With the adhesive horseshoe pressed back into the slot-in piece, apply the heat gun to the hot melt adhesive bead until it starts to melt and appears translucent.

You may want to hold it with a pliers while heating.



STEP 9

Push the hot piece into the appropriate slot until it sits flush against the shell.

Let it cool in the correct place and alignment. Repeat Step 7 for each of the remaining parts.

You may reheat and re-align each piece as many times as necessary to achieve proper alignment.



STEP 10

Reassemble the AFO with the ankle joint components.



STEP 11

Use a Tamarack T-740-4LM (2.5 mm) hex driver to adjust the set screws and achieve the desired stop angle.

The adjustment screws are pre-coated with a medium strength thread locker. Additional thread locker is not required.



The included **ShearBan[®]** **Cosmetic Patches** may be placed over the inner flange walls of the stop pieces to prevent unwanted rubbing.



ShearBan
BY TAMARACK[®]

Recommended double stop positioning for reduced interference with shoes, and improved stability and alignment.



Optional single posterior position, typical for smaller AFOs.

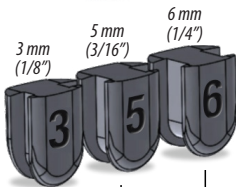


When the upper or lower stop pieces show significant wear, you can apply heat, remove, and replace them.



IMPORTANT:

Ensure you have selected the correct size (slot width) to match the AFO plastic thickness.



Part #741-ML-SS-3

Part #741-ML-SS-5

Part #741-ML-SS-6



Questions or Comments?

(866) 795-0057 toll-free

(763) 795-0057 local

info@tamarackhti.com

www.tamarackhti.com

How to Purchase:

Contact Becker Orthopedic

(800) 521-2192 toll-free

(248) 588-7480

For a list of distributors worldwide:

www.beckerorthopedic.com



Tamarack[®]

HABILITATION TECHNOLOGIES, INC.

⚠️ WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

©2024 Tamarack is a registered trademark of Tamarack Habilitation Technologies, Inc.

Made in the USA

ISO 13485-2016 QMS

6/2024