

# Pediatric Laminated Socket Attachment Block Instructions

## WHAT'S IN THE KIT

- |  |                         |
|--|-------------------------|
| 1 Pediatric Laminated Socket Attachment Block (PPF-700250) | 1 metal laminating cap  |
| 4 M5 x 10 Temporary Attachment Capscrews                   | 4 plastic caps          |
| 4 M5 x 12 Flat Head Capscrews                              | 2 Carbon Tape, 1" x 12" |

## ADDITIONAL MATERIALS REQUIRED

Sealing resin or polyester resin, petroleum jelly, putty, or paste wax, standard lab supplies.

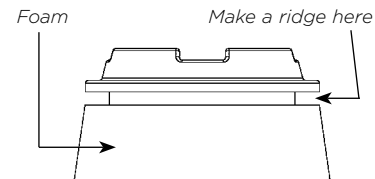
**Notice:** WillowWood pediatric components have been tested and approved for use only with other WillowWood pediatric components. The use of WillowWood pediatric components with any manufacturer's adult-sized components will void the warranty. The use of WillowWood pediatric components with another manufacturer's pediatric components is done so at the sole judgment of the attending prosthetist.

## INSTALLATION

1. Attach the Pediatric Laminated Socket Attachment Block to the socket with sealing resin or polyester resin. Make sure that the two 3/4" (2 cm) channels on the block are in a true Anterior-Posterior/Medial-Lateral orientation.

**Note 1:** Any attachment screws used with the Pediatric Laminated Socket Attachment Block will screw freely into the threaded insets for about 3/8" (9.5 mm).

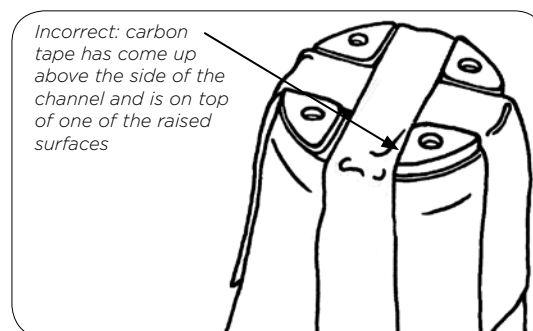
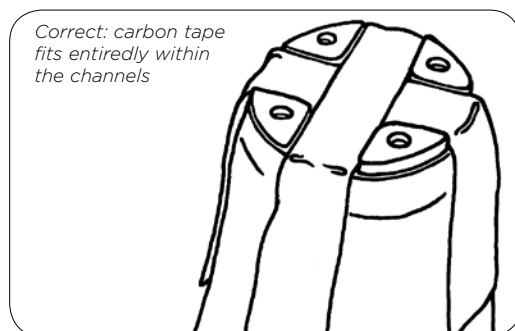
**Note 2:** When applying foam or a similar material between the Pediatric Laminated Socket Attachment Block and the Socket, be sure to form a ridge between the block and the foam as shown. The ridge will fill with laminate and provide a reinforcement to prevent the Pediatric Laminated Socket Attachment Block from pushing up into the foam.



2. Place the strips of carbon tape (included with the Pediatric Laminated Socket Attachment Block) into each of the channels.

**Note:** Do not allow the carbon tape to come up above the sides of the channels and onto the four raised surfaces on the Attachment Block. If carbon tape is pinched between the raised surfaces on the Attachment Block and the metal laminating cap, two problems could develop: (1) gaps between the two surfaces may allow laminating resin to enter the threaded holes in the Attachment Block, and/or (2) the attachment surface may not be level. As an extra precaution against resin sticking to the threads, apply petroleum jelly, putty, or paste wax to the threads of the 5mm temporary attachment capscrews before installing.

**Warning:** Failure to use carbon tape (or similar) to reinforce the attachment could result in an attachment of inadequate strength and could lead to failure of the prosthesis.

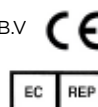


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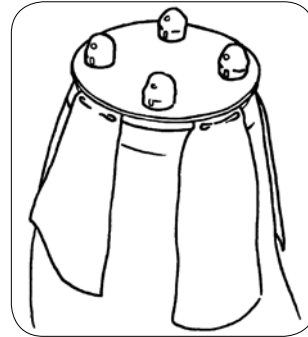


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3. Attach the metal lamination cap to the Pediatric Laminated Socket Attachment Block with the 5 mm temporary cap screws. (The cap will hold the carbon tape in place and provide an area to tie off the lamination.)
4. Place the plastic caps and/or putty onto the heads of the screws to prevent the resin from penetrating.
5. Fan out and pull tight the ends of the carbon tape onto the socket. Secure the carbon tape with spray adhesive.

**Warning: If the carbon tape is not pulled tautly and secured, the attachment block may come loose from the socket and/or the structural integrity of the attachment block may be affected.**

6. Cut a piece of tubular nylon stockinette twice as long as the socket.
7. Pull the stockinette onto the socket and tie it off just proximal to the metal lamination cap.
8. Pull the distal end of the stockinette down over the socket, so that there is a double layer of stockinette over the carbon tape and socket.
9. Proceed with the finish lamination. To ensure proper saturation of the carbon tape, use a full vacuum and work the resin into the 3/4" (2 cm) channel areas.
10. After the lamination has completely cured, break the excess resin off of the lamination cap and remove the four screws from the cap.
11. Remove the lamination cap.
12. Attach a 4-hole socket adapter to the socket using 5 mm flat head screws. Hand-tighten the screws to make sure that they turn freely over their entire usable length. Tighten the screws to 5 ft-lbs (7 Nm).



*Carbon tape fanned out on socket.*

## WARRANTY

The warranty for the Pediatric Laminated Socket Attachment Block is one year from date of invoice. The use of WillowWood pediatric components with any manufacturer's adult-sized components will void the warranty. Use of a Pediatric Laminated Socket Attachment Block for amputees whose adjusted body weight is greater than 132 lbs (60 kg) or who engage in extremely high and abusive activities is against WillowWood's recommendations and will void the one year warranty. Adjusted body weight is defined as the weight of the amputee plus any loads normally or routinely carried by the amputee. "Extremely high and abusive activities" are defined as activities such as skydiving, karate, and judo; activities that could result in injury to an individual's natural limbs; and activities that expose the prosthesis to corrosives such as salt water.

## WARRANTY DISCLAIMER

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