

Laminated Socket Attachment Block Instructions

WHAT'S IN THE BOX

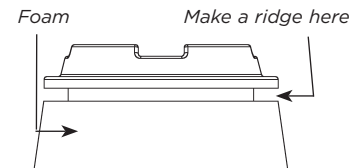
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| 1 Laminated Socket Attachment Block | 4 M6x16 socket head cap screws, Dacromet |
| 1 metal laminating cap | 4 gray plastic caps |
| 4 M6x16 flat head cap screws, Dacromet | 2 Carbon Tape, 2" x 12" |

ADDITIONAL MATERIALS REQUIRED

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

1. Attach the 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: When applying foam or a similar material between the 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 Laminated Socket Attachment Block from pushing up into the foam.

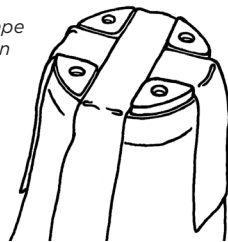


2. Fold the strips of carbon tape (included with the Laminated Socket Attachment Block) lengthwise into thirds so that it will fit completely within the 3/4" (2 cm) channels.
3. Place one strip of carbon tape into each of the channels.

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, gaps between the two surfaces may allow laminating resin to enter the threaded holes in the Attachment Block, and/or 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 6 mm 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.

Correct: carbon tape fits entirely within the channels

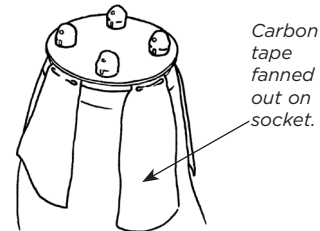


Incorrect: carbon tape has come up above the side of the channel and is on top of one of the raised surfaces



4. Attach the metal lamination cap to the Laminated Socket Attachment Block with the 6 mm socket head cap screws. (The cap will hold the carbon tape in place and provide an area to tie off the lamination.)
5. Place the gray plastic caps and/or putty onto the heads of the screws to prevent the resin from penetrating.
6. Fan out and pull tight the ends of the carbon tape onto the socket. Secure the carbon tape with spray adhesive.

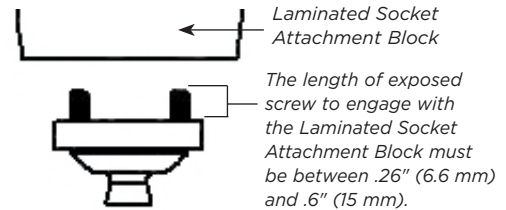
Warning: If the carbon tape is not pulled tautly and secured, the attachment block may come loose from the socket and/or the structural integrity of the attachment block may be affected.



7. Cut a piece of tubular nylon stockinette twice as long as the socket.
8. Pull the stockinette onto the socket and tie it off just proximal to the metal lamination cap.
9. 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.
10. 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.
11. After the lamination has completely cured, break the excess resin off of the lamination cap, remove the four screws from the cap, then remove the lamination cap.

Note: Before assembling the prosthesis, sand off the knob of resin left by the hole in the center of the laminating plate.

12. Attach the desired WillowWood 4-hole socket adapter to the socket using the 6 mm flat head cap screws. Check to make sure that the length of the exposed screw to engage with the Laminated Socket Attachment Block is between .26" (6.6 mm) and .6" (15 mm). Hand-tighten the screws to make sure that they turn freely over their entire usable length. Apply Loctite 242 Removable Threadlocker (or equivalent) to the screws and tighten to 9 ft-lbs (12 Nm).



Note: Several adapters that are made by other manufacturers have a 1-1/2" (4 cm) diameter raised ring on the surface that interfaces with the Laminated Socket Attachment Block. The European 4-Hole Adapter Spacer Plate (Part No. 700-300) is available to accommodate these types of adapters.

WARRANTY

The warranty for the Laminated Socket Attachment Block is one year from date of invoice, provided that the Attachment Block is selected according to the following criteria:

Note: The weights listed below are adjusted body weights. Adjusted body weight is defined as the weight of the amputee plus any loads normally or routinely carried by the amputee.

	Level 1	Level 2	Level 3	Level 4
Laminated Socket Attachment Block (Product No. 700-200)	250 lbs 113 kg	250 lbs 113 kg	250 lbs 113 kg	250 lbs 113 kg
Laminated Socket Attachment Block without Rigid Foam (Product No. 700-250)	350 lbs 159 kg	350 lbs 159 kg	350 lbs 159 kg	300 lbs 136 kg

- Level 1: Has the ability or potential to use a prosthesis for transfers or ambulation on level surfaces at fixed cadence. Typical of the limited and unlimited household ambulator.
- Level 2: Has the ability to traverse low level environmental barriers such as curbs, stairs, or uneven surfaces. Typical of the community ambulator.
- Level 3: Has the ability or potential for ambulations with variable cadence. Typical of the community ambulator who has the ability to traverse most environmental barriers and may have vocational, therapeutic, or exercise activity that demands prosthetic utilization beyond simple locomotion.
- Level 4: Has the ability or potential for prosthetic ambulation that exceeds basic ambulation skills, exhibiting high impact, stress, or energy levels. Typical of the prosthetic demands of the child, active adult, or athlete.

Use of a Laminated Socket Attachment Block for amputees who do not meet the above criteria or who engage in extremely high and abusive activities is against WillowWood's recommendations and will void the two-year warranty. "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

WillowWood warrants that each product manufactured will, at the time of delivery, be of workmanlike quality and substantially free of defects. WILLOWWOOD MAKES NO OTHER WARRANTY, IMPLIED, OR EXPRESSED, AND MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty shall terminate immediately upon an action to combine our products with other materials or in any manner to change the nature of our products. The sole remedy is replacement of the products or credit for the products. WillowWood's liability shall not exceed the purchase price of the product. WillowWood shall not be liable for any indirect, incidental, or consequential damage.

WILLOWWOOD RETENTION OF RIGHTS

WillowWood retains all intellectual property rights reflected or incorporated in its physical products, regardless of the transfer of the physical products to another party or parties.

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