

Please read thoroughly before assembling a prosthesis using the Carbon Copy II.

Warranty

The warranty for the Carbon Copy II is one year (allowing three weeks from the date of purchase for installation). Use of the Carbon Copy II for amputees whose modified body weight is more than 250 lbs (113 kg) or who engage in extremely high and abusive activity is against Ohio Willow Wood Company's recommendations and will void the one year warranty. Modified body weight is defined as the weight of the amputee plus any loads 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 feet; and activities that expose the prosthesis to corrosives such as salt water.

Modifying the Foot

Do not alter the top of the foot sufficiently to change the angle between the bolt hole and the top of the foot. This may cause bolt fracture due to the resulting bending moments that may be generated due to uneven mating surfaces.

The urethane foam shell may be lightly sanded with little resulting loss of strength. Do not expose the internal components of the foot, as this could reduce the structural integrity of the foot.

Exposure to Water

The Carbon Copy II is essentially water resistant, provided no open cracks have developed and no area of the foot has been sanded. Seal the bolt hole before exposing the foot to water. Complete submersion in water is not recommended.

Foot Bolts

Ohio Willow Wood recommends using the bolt included with the foot [M10-1.5 x 50mm bolt (Part No. 700-B114) for men's, and the M10-1.5 x 43mm bolt (Part No. 700-B116) for ladies']. A 3/8"-16 x 2.75" bolt (Part No. 700-B120) is also available for use with English thread components and for exoskeletal applications. When assembled, the end of the foot bolt must be within 2mm of the top of the foot pyramid. (Please note that if the foot bolt extends more than 2mm above the foot pyramid, the bolt will interfere with the function of OWW Foundation components.) The use of fasteners other than those provided for this product is done so at the sole judgement of the attending prosthetist. The use of the provided fastener is not recommended for any product other than OWW feet.

To significantly reduce the possibility of bolt failure, the structures connected by the bolt must both be rigid. (Non-rigid structures demonstrate slight deformation upon loading, resulting in bending of the foot bolt that inevitably leads to failure.) The Carbon Copy II has been thoroughly tested to ensure that no keel deformation will occur; the prosthetist is then responsible for selecting a component to attach to the



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keel that is at least as rigid as the keel itself. The foot bolt is a high quality capscrew that has been manufactured especially for this purpose, but Ohio Willow Wood Company cannot guarantee its suitability for use with components from other manufacturers.

Recommended Installation Procedures

Foot Pyramid: Use the Titanium Foot Pyramid Adapter (Part No. 2LTC-1208) for best results. If using another manufacturer's foot pyramid, a special interface plate (Part No. 3F-6CC-002) may be required to accommodate the keyways on the bottom of the foot pyramid. If this special interface plate is used, it may also be necessary to use a longer foot bolt (e.g. Part No. 700-B112, M10-1.5 x 63mm, or Part No. 700-B120, 3/8"-16 x 2.75").

Torque: Tighten the Foot Bolt to 30 ft-lbs (41 Nm).

Attachment Plate: If, after disassembly at a future date, the fiberglass attachment plate on the top surface of the foot becomes detached from the Kevlar keel, do not be alarmed. The plate is attached merely to aid in manufacturing and need not be bonded to gain full structural benefits. It need not be again permanently bonded unless desired. It must, however, be reinstalled upon installation of the foot.

Patient Advisory Warning

The attached Patient Advisory Warning enables you, the prosthetist, to effectively notify your patients of the limitations of the components in their prosthesis, and of the need to monitor their weight and activity levels. Please review the Patient Advisory Warning with the patient upon delivery of a prosthesis with a Carbon Copy II. The patient and the prosthetist should then sign the Patient Advisory Warning to acknowledge that it has been reviewed and understood by both parties. Give one signed copy to the patient and place one copy in the patient's file.

If a patient's weight or activity level increases after receiving a prosthesis with a Carbon Copy II, the patient should immediately contact the prosthetist to determine whether replacement components are necessary. If a patient continues to use a prosthesis with a Carbon Copy II after experiencing an increase in weight and/or activity level, the foot could fail with the possibility of serious injury to the patient.

To ensure that the correct components are selected for each patient, the prosthetist should weigh the patient on scales in the prosthetist's office. Do not rely on the patient's estimate of his/her own weight. Instruct the patient to monitor his/her weight weekly to ensure that it remains in a range appropriate for the prosthetic components being used.
