

Pacifica® LP Instructions for Use

Product Number: FS4

Assembly

The Pacifica® LP foot module is pre-assembled consisting of a graphite component (keel), sole plate, Spectra™ sock, and foot shell. Rubber *stiffening bumpers* for increasing heel stiffness are provided. After dynamic alignment, torque pyramid adjustment screws to the manufacturer's specifications. Secure pyramid adjustment screws with a thread locking adhesive (i.e., Loctite 242).

Bench Alignment

Prior to donning the prosthesis:

- Plantarflex/Dorsiflexion foot to match the shoe heel height.
- Adduct/Abduct socket to provide appropriate frontal plane angle.
- Flex/Extend socket to provide appropriate sagittal plane angle.
- Move the socket linearly to ensure the weight line falls along the anterior edge of the pylon (see illustration).



Dynamic Alignment

During *loading response*, the heel lever stores energy and releases it during *midstance*. This action provides momentum for the keel to store energy and release it during *terminal stance*. To optimize the heel to toe rollover motion, adjust the following variables:

- Anterior/posterior foot placement
- Dorsiflexion/plantarflexion
- Heel stiffness

Troubleshooting

Heel too soft

Symptoms

- Foot flat occurs too rapidly
- Toe feels excessively stiff
- Knee hyperextension

Solutions

- Shift socket anteriorly in relation to the foot
- Attach rubber *stiffening bumpers*

Heel too hard

Symptoms

- Rapid knee flexion, instability
- Heel to toe progression to rapid
- Lack of energy return sensation

Solutions

- Shift socket posteriorly in relation to the foot
- Verify appropriate foot module category

Foot module too stiff

Symptoms

- Flat spot in rollover motion at slow cadences

Solutions

- Consider a lower category foot module

Foot module too soft

Symptoms

- Clicking noise at *initial contact*
- Excessive toe deflection with high impact activity

Solutions

- Consider a higher category foot module

- Stiffening Bumpers** Rubber *stiffening bumpers* are included to adjust the heel stiffness during *loading response*. The bumpers may be temporarily attached between the heel lever and the keel using the pre-applied adhesive in the location indicated on the bumper package to increase heel stiffness one category. If the heel stiffness is too stiff, move the bumper posteriorly; still too soft, move it anteriorly. For permanent placement, clean off the pre-applied adhesive with Acetone, and adhere bumpers using Super Glue (cyanoacrylate).
- Spectra™ Sock** A Spectra™ sock is provided to protect the foot shell and minimize noise. Spectra™ socks must be replaced at intervals appropriate to the user's activity level. Failure to inspect and replace the Spectra™ socks may prematurely wear the foot module, and will void the warranty.
- Foot Shell** When removing or installing the foot shell, use the Foot Shell Removal Tool (ACC-00-10200-00) to prevent damage to the foot module.
- Pacifica LP® System** Minimum clearance: 47mm-60mm
 Maximum user weight: 166 kg (365 lbs)
 Available sizes: 22cm-31cm
 Heel height: 10mm
 Warranty: Graphite components/pyramid connector (36 months)
 Foot shell (6 months)
- Maintenance** The foot module requires periodic maintenance.
- Inspect the foot module every six months. If the user is more active, more frequent inspection may necessary. Service as necessary. Replace Spectra™ sock and/or foot shell if worn to prevent damage to the graphite components.
 - The foot module may be cleaned and/or disinfected with soap and warm water. If the foot is exposed to water, remove the foot shell to clean and disinfect its interior.
- Warnings** Failure to adhere to the guidelines of the *Instructions for Use* will void the warranty.
- Never use the foot module without a *foot shell*. Failure to comply may cause premature wear, loss of function, and/or product failure.
 - Always use the foot module with a sock and shoe. Failure to comply may cause premature wear, loss of function, and/or product failure.
 - Never allow aggregates such as sand to remain in the *foot shell*. Upon exposure to aggregates, immediately disassemble foot module and rinse with water. The abrasive properties of aggregates will quickly wear the graphite components of the foot module.
 - Freedom Innovations foot modules are manufactured to fit industry standard pyramids and receivers. It is the prosthetist's responsibility to select and/or fabricate properly fitting attachment components.
 - Never attempt to loosen the bolt affixing the pyramid connector.
 - Discontinue use and consult your prosthetist if any part of the prosthesis starts to make noise.
 - Inform your prosthetist if you lose or gain a significant amount of weight.
 - Freedom Innovations foot products are manufactured and tested for a particular weight and activity impact level. Use by another user for whom it was not originally manufactured may cause injury and shall void any written or implied warranty.



Jaargetijdenweg 4
 7532 SX Enschede
 The Netherlands
 tel +31 (0)53-20 30 300
 fax +31 (0)53-20 30 305
 info@freedom-innovations.eu



Advena Ltd. Pure Offices, Plato
 Close, Warwick, CV34 6WE UK