



Partial Hand SOLUTIONS, LLC



Technical Instructions Titan Finger - Partial

PACKAGE CONTENTS

- (1) Titan Partial Assembly
- (1) Grip Tip (installed)
- (1) Rubber Padding
- (1) Loctite 242
- (1) 2mm Allen Wrench

RECOMMENDED TOOLS AND SUPPLIES

- #2 Phillips screwdriver



Titan Finger Assembly

1. Titan Partial Assembly
2. Tabs
3. Grip Tip

Not Shown:
2mm Allen Wrench
Rubber Padding
Loctite 242

Mounting Instructions

Titan Partial fingers are fabricated directly into the socket; no additional mounting hardware is necessary.

Note: College Park Industries and Partial Hand Solutions do not provide fabrication services. As fabrication of sockets for thumbs, partial fingers, and fingers are not routine for most facilities, the use of a fabricator, such as SPS National Labs in Cromwell, CT, is recommended.

The typical fabrication process has the following steps:

- a. A silicone cast is made and provided to the fabricator along with the fabrication form. Cast should be taken to cover full hand and 2 inches proximal to the wrist.
- b. The mold is modified by the fabrication center and the plaster model is 3D scanned.
- c. The 3D scan is used to create a 3D printed socket.
- d. The 3D printed socket is then returned to the clinician for patient fitting.
- e. If the socket fits appropriately, the finger mount should be contoured and bonded in place using FabTech adhesive. Only the contoured tabs should be bonded and care taken to not cover the Phillips screw at the base.
- f. Once proper fit and alignment of fingers is achieved the sockets should be sent back along with the fingers to the fabrication center for completion of fabrication.
- g. If desired, rubber padding is cut to size and glued on the socket to create a surface with more grip.

Adjustments

- Loctite the 2mm Allen screw on side of finger. Do not overtighten. Loctite should be applied to threads of screw.
- Loctite Phillips mounting screw.
- Due to normal wear and tear, the pin may become loose and cause play in the joint. The finger should be removed by removing the Phillips mounting screw and returned to manufacturer for service. Do not disassemble.

Additional Considerations/Tech Tips

- If using a silicone socket, apply a small amount of water or Cal Stat lubricant to limb to dampen skin. Push limb into prosthesis.
- To remove prosthesis, hold prosthesis with other hand and pull your limb out of prosthesis or consult with your prosthetist or therapist on proper technique.

Positioning the Finger



Apply pressure to the back of the fingertip, which causes the fingertip to ratchet into flexion. Once the desired position is determined, pressure can be removed from the fingertip and the tip would be locked in to position.



To return the fingertip back to the extended position, dislocate the tip section from the base by pulling on the tip section. This motion releases a pin in the tip section from the base allowing the finger to move freely. Once the desired position is determined, the pull on the fingertip can be released and the finger will engage in the new locked position.

Cautions/Warnings

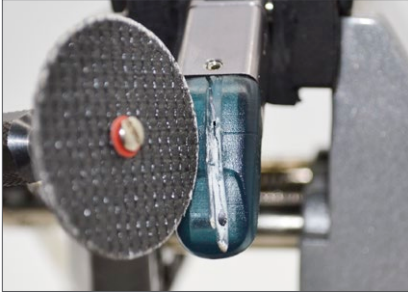
- Do not expose this product to corrosive or caustic materials, salt water or pH and temperature extremes.
- New users should start with a wearing schedule and ease in to a full day of use.
- Loctite screws as indicated in these instructions.
- Do not disassemble finger except as specified in these instructions.

Inspection/Maintenance

- Users should clean the inside of the prosthesis and silicone liner with anti-bacterial wipes daily.
- Visual/Audible signs of wear, cracks, damage, etc.
- Ensure that the joint moves freely without obstruction.
- Replace grip tip as needed

Repairs/Replacements

Replacing the Fingertip - Due to wear and tear, a fingertip may become damaged and need to be replaced. Fingertips are available as replacement parts.



Secure finger and using a dremel tool cut a channel down the length of the tip. Take caution to not cut in to titanium.



Wedge a flat-edge screw driver into the slot created and pry tip off finger tip.



Apply a small amount of super glue on either side of the inner surface of the tip



Press fingertip onto finger and hold in place until glue sets. Use rubber padding to prevent slipping.

Warranty: 1 year



TECHNICAL ASSISTANCE/ EMERGENCY SERVICE 24-7-365

College Park's regular office hours are Monday thru Friday, 8:30 am - 5:30 pm (EST). After hours, an emergency Technical Service number is available by calling College Park's main line.



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