

17B Handle and Weights

Contents

17BHDL-1 1.1 SL 17B Handle Removal

17BHDL-1 1.2 Handle Replacement

17BHDL-3 1.3 SL 17B Weight Removal

17BHDL-4 1.4 Weight Replacement

1.1 SL 17B Handle Removal

Tools required:

- Flat Blade Screwdriver
- Torque Screwdriver and Flat Blade Attachment
- DOWSIL™ 732 or an Equivalent RTV Sealant

The handle is a convenient location to mount cameras, lights, and other instruments. If the handle is to be drilled to accept any of these items, it must be removed to prevent accidental damage to the helmet shell.



Weights only need to be removed if fiberglass damage of the helmet shell is suspected or mounting holes are to be drilled and tapped into the weights for camera or light mounting.

1. The handle is removed by first unscrewing the top three port retainer screws.

2. Remove the rear handle mount screw and washer.



To remove the handle, you must also remove the internal screw.

3. Pry up at the front of the handle to break it loose from the RTV sealant.

1.2 Handle Replacement

1. Clean off all the old RTV (silicone sealant) remaining on the handle and the helmet shell and screw hole. If using acetone, be aware that acetone can cosmetically damage the finish of the fiberglass, so use small amounts carefully. You may also scrape off old RTV sealant using wooden wedges.

2. Place a liberal amount of DOWSIL™ 732 or an Equivalent RTV Sealant on the rear mount surface of the handle and in the mount screw hole in the helmet shell.

3. Position the handle and run in the front screws only until snug.

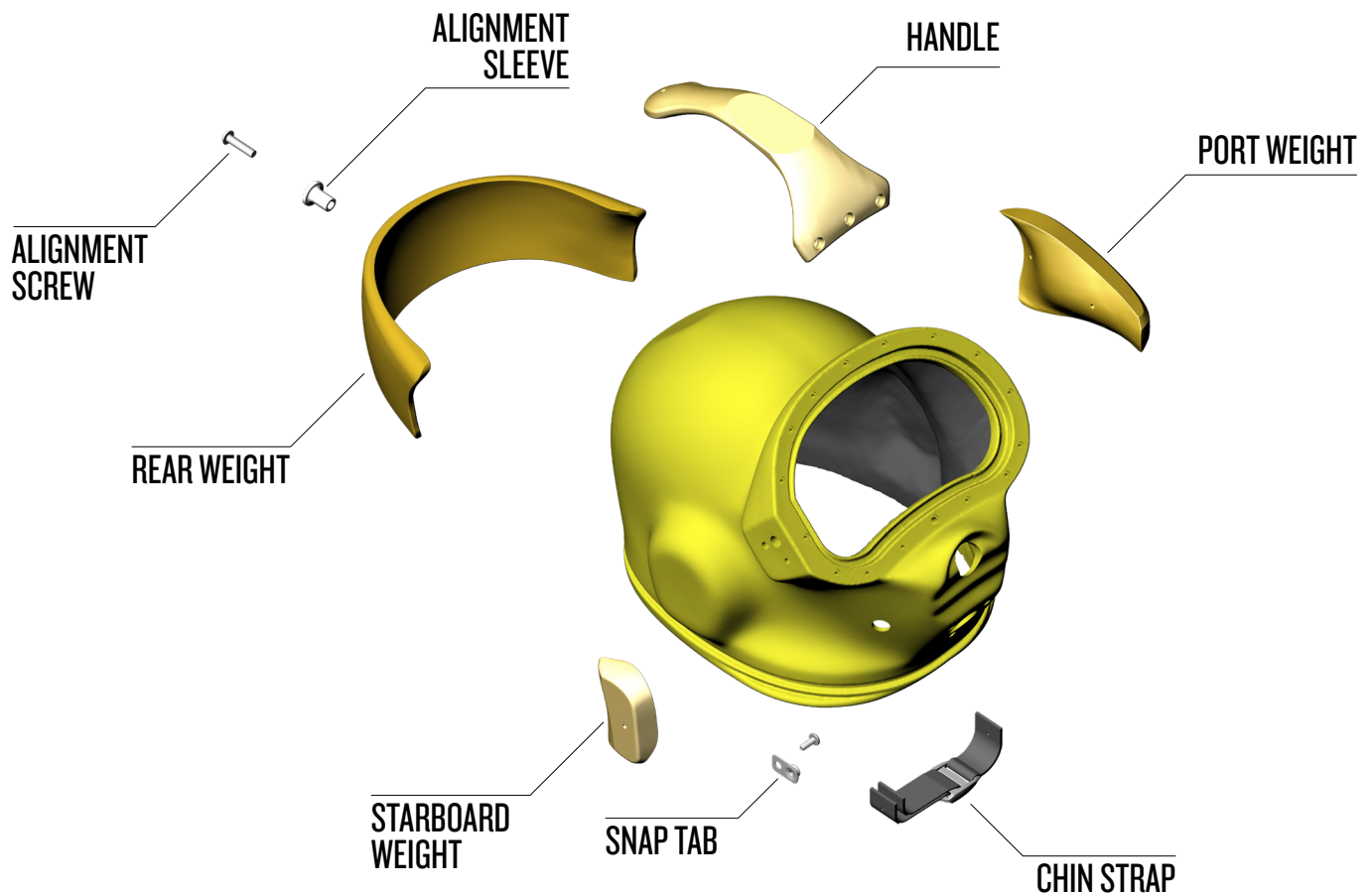
4. Hold the handle in place and thread the rear

mount screw with its washer. Torque the screw. See "Torque Specs" module.

5. Torque the front mount screws. See "Torque Specs" module.

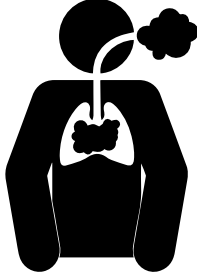


Use a torque screwdriver to tighten the front handle. See "Torque Specs" module.



Weights and associated hardware on the SuperLite® 17B

6. Wipe off any excess RTV from the helmet shell.

⚠ WARNING	
	<p>Use silicone sealant in a well ventilated area. Do not breathe the fumes from uncured silicone sealant. These fumes are dangerous and can cause unconsciousness. They can also cause long term damage to body tissue. Read and follow all precautions listed on the silicone sealant tube and Material Safety Data Sheet.</p>



Use a wooden wedge to help pry the weight off the helmet.

1.3 SL 17B Weight Removal

Tools required:

- Torque Screwdriver And Flat Blade Attachment
- Flat Blade Screwdriver
- Wooden Wedges
- DOWSIL™ 732 or an Equivalent RTV Sealant

The weights are held on by fasteners as well as the RTV sealant. Do not use sealants other than RTV silicone sealant. Before removing the weights, take NOTE of the position of the snap tabs and earphone retainer clips. If the snap tabs are not installed correctly, it will be difficult to reinstall your head cushion.

1. Unscrew the snap tab screws and earphone retainer screws. The chin strap will also be removed at this time.

2. Use the wooden wedges inserted under the edges of the weights to gently pry the weights off of the helmet shell.

3. On the side weights, prying is best done starting along the bottom edge.

4. On the rear weight, start removal at the corners.

5. Be patient and take your time because the RTV is an excellent adhesive and makes removal of the weights difficult. If you are hasty you may damage the helmet shell.



The rear weight provides the anchor point for the earphone retainers.

1.4 Weight Replacement

1. Clean off old RTV as necessary using a block of wood or the wooden wedges.
2. If the original weights are reinstalled they will fit the shape of the helmet and hole position. Replacement weights may need to be adjusted and aligned. Extra RTV can be used to help bed the weights evenly to the shell.
3. Check the fit of the replacement weights. If the holes in the shell do not line up with the holes in the weights the holes may be enlarged with a round file. Do not make the holes too big. Extend them only as necessary to fit the screws. **If the holes are over enlarged there will be insufficient material to keep the snap tabs in place.**
4. Surround the holes with RTV (silicone sealant) to seal all penetrating screws. Use plenty of RTV, as it must seal the weights to prevent water entry.



RTV (silicone sealant) is used to seal the weights to the helmet shell.

5. Install the screws and washers and tighten using a torque wrench with screwdriver adapter to the required torque values. See “Torque Specs” module. Make sure all snap tabs, the chin strap, and the earphone retainer clips are in their original positions.
6. Wipe off all excess RTV that has oozed out from under the weights.
7. Allow 24 hours for the sealant to cure before using the helmet.