

Sleeve Replacement Instructions for all J-Plugs

Preparation:

- Use a wire wheel or wire brush to clean the grooves on the casting and remove all dirt/grime to ensure a proper fit and prevent any small leaks.
- Lubricate the inside of the sleeve with liquid dish soap like Palmolive – a spray bottle mixed with water and a small amount of dish soap will work as well.

Tools Needed:

- C001 Band-It Tool, tire spoon, screwdriver, metal snips, dish soap. A ¼” socket set for the worm gear bands used on the J-812. A tack hammer or ball-ping hammer can be used to tap down the metal ends left over after installing and cutting the bands.

Installation of the Sleeve: (all J-Plugs)

- Sleeves can be installed by coming in at a 45 degree angle and rocking the sleeve back and forth in a clockwise/counter-clockwise fashion - the outer edge of the sleeve will eventually work its way over the lip of the casting allowing for installation. A tire spoon can also be used to assist the sleeve in getting over the lip of the casting.
- With the plug on its side, a tire spoon can be used to assist and pull the end of the sleeve in place.
- Also try using the inflation valve to pump air into the plug to make minor adjustments to the sleeve.

The J-48 sleeve installation:

- Turn the J-48 upside down with the U-Joint pressed firmly against the ground and press hard down on the sleeve until it fits completely over the bottom flange of the plug. It will basically snap into place when installed correctly between the top and bottom flanges.

The J-812, J-1218, & J-1824 sleeve installation:

- These plugs remain right side up and sleeves are installed over the top casting and twisted and pushed down into place until properly fitted between the upper and lower lips of the flanges.

Banding:

Always install the outermost bands first (the bands closest to the ends). After completing the outermost bands, roll over the plug 180 degrees and install the two inner bands so you have two buckles (worm gear screws on the J-812) showing on one side and two on the other side of the plug – In other words, you DO NOT want all four buckles (or worm gear screws) to be facing outwards on the same side of the plug. (**Notice the beading of the rubber between the bands to gauge tightness**)



Banding The J-812:

- These plugs use hose clamps with a worm gear and can be tightened with a ¼” socket set. Just simply tighten the screw on the gear until very snug being sure not to over-tighten which will cause the band to break.

The J-48, J-1218, & J-1824 (Band it Tool Application)

- Position the band over the sleeve and over the appropriate groove on the casting and pull hand tight and position the tag end of the band in the upright position.
- Take the Band It Tool and slide it over the tag end so it butts up against the buckle.
- Free-spin the handle on the Band It Tool so it picks up the slack on the band and then begin turning the handle for a total of roughly 16-18 times until very snug – if it feels very snug after 16 turns, stop there because further tightening could result in the breaking of the band. (This will very slightly and you may need to go around 18 times to make it completely snug).
- With the Band It Tool locked into place up against the buckle, begin installing the set screws. Slowly tighten the set screws to prevent stripping and make them as tight as possible.
- At this point you will begin to unwind the handle on the Band It Tool handle very slowly (counter-clockwise), releasing the pressure on the handle by a fraction of a turn at a time, while at the same time continue to tighten the set screws as you are unwinding to prevent any slipping of the band. (You may even want to make a mark on the band with a Sharpie to monitor how far the band may be slipping – **NOTE:** for best results and to be safe, it shouldn't slip more than a ¼”).
- Once the set screws have been tightened down all the way (set screw should be flush with the buckle) and there is no more pressure on the Band It Tool handle, the tool can then be turned over forward at which point the band will be ready to cut – after cutting the band with the Band It Tool, take a pair of metal snips and cut off the excess to the point where there is just enough of it to cover the buckle and set screw (be sure to round the corners as you are cutting with the snips to alleviate any sharp corners). Then tamp down with a ball-ping hammer or equivalent.

Special Instructions for the J-1824:

- For this sleeve there are (2) short bands and (2) long bands. The 2 long bands get applied to the inside groove on the casting (these bands are furthest away from the ends of the plug).
- The longer inside bands get tightened 2x – take the handle on the Band It Tool and tighten it all the way until it stops. Then apply the set screws to the buckles to the point where they are tight but not all the way - just enough to hold the band in place. Then unwind the handle and re-slide the Band It Tool along the band and snug it up against the buckle and tighten for the second turn until very snug. Complete by tightening the set screws all of the way down.