

## Helpful Hints

Below are some helpful tips and some answers to frequently asked questions about Crain products.

### How do I clean/maintain/replace parts in my Crain Prism Pole?

To remove/replace a section pull the section toward the grip assembly until it meets resistance at the internal stop. Give the section a firm pull and twist to remove. When replacing a section wipe the elastomer grip pads to remove dirt and make certain the section is clean. **Do Not** use solvent-based cleaners. Insert the section into the grip assembly and apply downward pressure with a twisting motion. Adjust the grip pin bolts to prevent slippage.

To replace plugs on the section bottom, depress the tabs holding the plug in place with a punch or screwdriver. Remove the plug and replace. Twist the plug to align the tabs with the mating holes making sure the tabs are securely seated.

To replace a grip assembly, remove the section as described above. Remove the fasteners on the grip base (2 - 3/32" Allen-Head Bolts or 4 - Phillips-Head Screws) and dispose of the old grip assembly. Position the new assembly on the top of the section making sure it is properly seated at the section top. Replace the fasteners and reinsert the section.

To replace front and back jaw parts, remove the section as described above. Remove the grip pin bolts (2 - 3/32" Allen-Head). Disassemble the grip setting aside the four grip springs. Push the back jaw grip pin out of the back jaw/handle assembly to detach the grip handle. Position the handle in the new back jaw and reinsert the grip pin. Reposition all components on the grip base and align the grip pin threaded holes with the holes in the front and back jaw. Insert the bolts into the front jaw, through grip base and into the threaded grip pin holes. Tighten bolts to secure components. Replace assembly as described above. Insert section and adjust the grip pin bolts to prevent slippage.

### How do I disassemble a Crain round rod (LR, CMR, Gopher Pole)?

You start at the bottom of the rod, and take out the screws that are holding the base cap on. Pull the base cap out. Be very careful - the sections you are pulling out is spring loaded and could pop out forcefully. **We recommend wearing safety glasses.** Let all of the inside sections slide out the bottom of the rod. When they are out, you will notice that there are drive pins holding the lock assembly in place on the next section. You need to punch these drive pins through and take out the lock. Be very careful again - it is spring loaded and could pop out forcefully. **Again, we recommend wearing safety glasses.** Let all of the other sections slide out the bottom. You continue doing this until you get to the section that you need to replace. Be sure to save all of the parts, because you will need them to re-assemble the rod.

To re-assemble the rod, you still work from the bottom of the rod. When you replace the section, you will need to put the lock assembly back in. If it is a new section you may need to drill holes for the drive pins to go through. Put the drive pins in the lock assembly, and then put the button and spring back in the lock assembly. You will need to hold the button and spring down to put it through the bottom of the rod. Pull it up until the button locks in place in the hole. You then go to the next section, and repeat the same step to reassemble the rod.

### How do I clean/maintain/replace parts in my Crain CR Leveling Rod?

To take the CR sections out, depress the lock button and pull the section completely out. When the section is out, you need to take a small tool like a punch and punch the tabs down that hold the lock assembly in place. When you get the tabs punched down, pull the lock assembly out. Be very careful - this is a spring-loaded lock assembly and it could pop out forcefully. **We suggest wearing safety glasses.**

To replace the lock assembly, place the button and spring in the lock assembly. After this is done, depress the lock button, and push it back into the top of the section. If replacing the base cap, all you need to do is to push the #4 base cap in at the bottom of the base section. You will have to make sure that the tabs that hold the lock assembly and base cap are in place and are seated. If you are replacing a section, all you have to do is pull out the old section and put the new one back in the top of the section. They come complete with the lock assembly installed.

While sections are out, clean them with a damp cloth, dry them off and then replace them back into the rod.