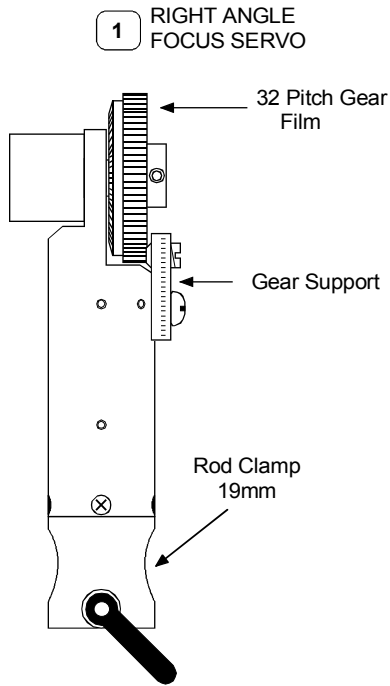


RIGHT ANGLE FOCUS

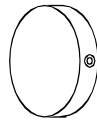
Jan 03

If you are missing any of the following items, please contact Stanton Video immediately (602) 493-9505

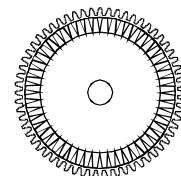
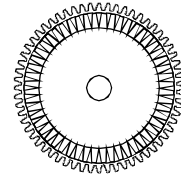
1. Right Angle Focus Servo
2. Servo End Cap
3. Lens Gears (32 pitch, 48 pitch, .6 module)
4. Focus Clamp Hardware
5. Focus Clamp
6. Rod Adapters (15mm, 5/8 in)
7. Video Lens Adapter (spring loaded)



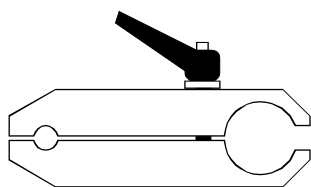
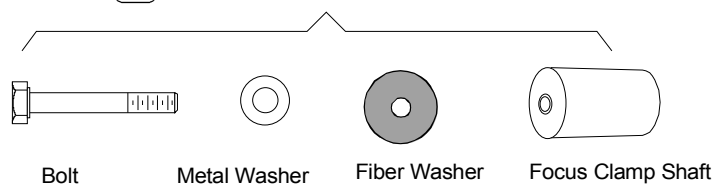
2 SERVO END CAP



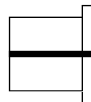
3 LENS GEARS



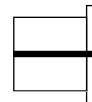
4 FOCUS CLAMP HARDWARE



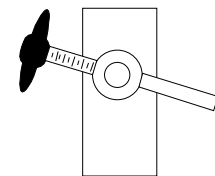
15mm



5/8 in.



6 ROD ADAPTORS



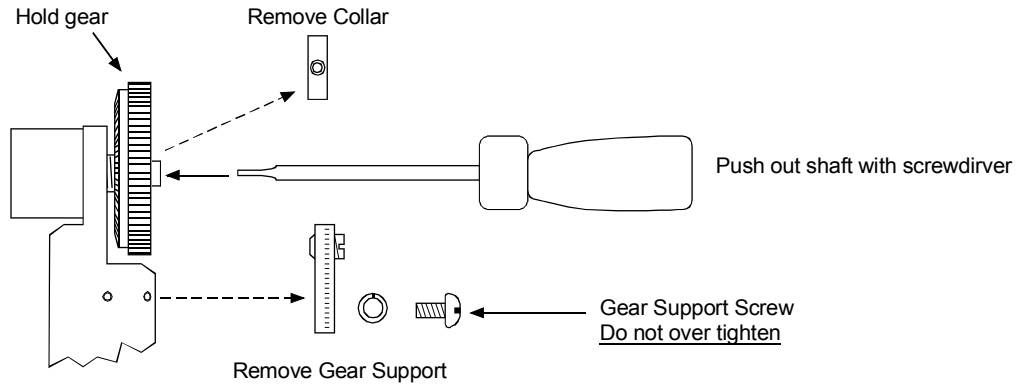
7 VIDEO LENS ADAPTOR

GEAR INSTALLATION

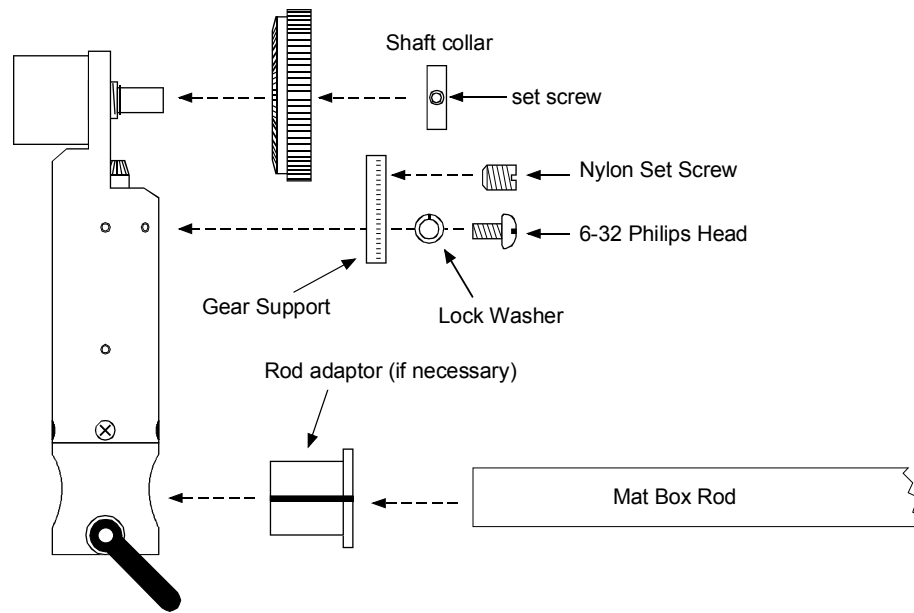
The gears of the focus servo must be changed to match the focus ring of the lens. A 32 pitch gear comes pre-installed to match a Zeiss type lens so a gear change may not be necessary:

1. Remove the Gear Support
2. Loosen the set screw in the shaft collar and remove the collar.
3. Remove the gear by holding the gear with your hand and pushing the pot shaft out with a screwdriver. This will prevent possible damage to the pot by pulling on the gear.

WARNING Never pull the gear off the pot shaft as this will almost certainly damage the pot. Always push the shaft out with a screw driver or some other tool.



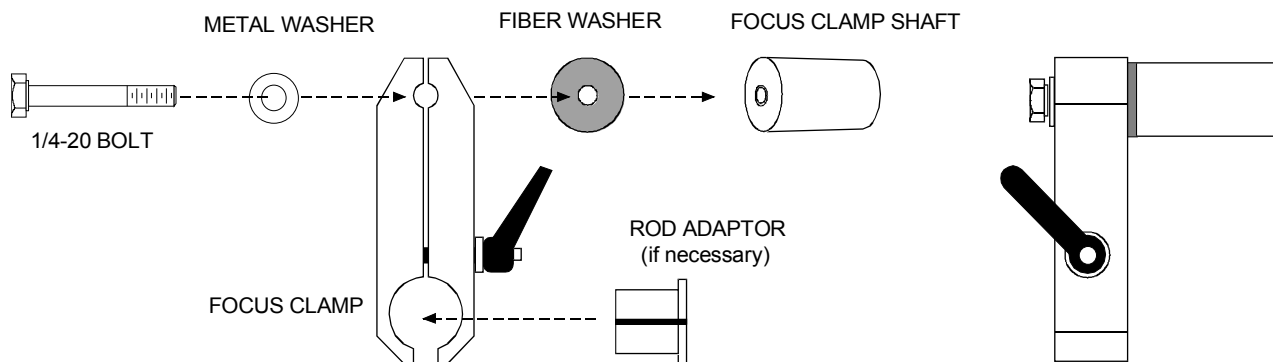
3. Push on the correct gear then replace the Shaft Collar and Gear Support. Do not **over tighten** the Gear support screw as it is easily stripped.
4. While pressing down on the collar tighten the set screw.
5. Re-install the gear support and adjust the Nylon Set Screw so that it lightly touches the gear face.
6. If the Focus Servo is long enough it can be used alone without the Focus Clamp.



FOCUS CLAMP

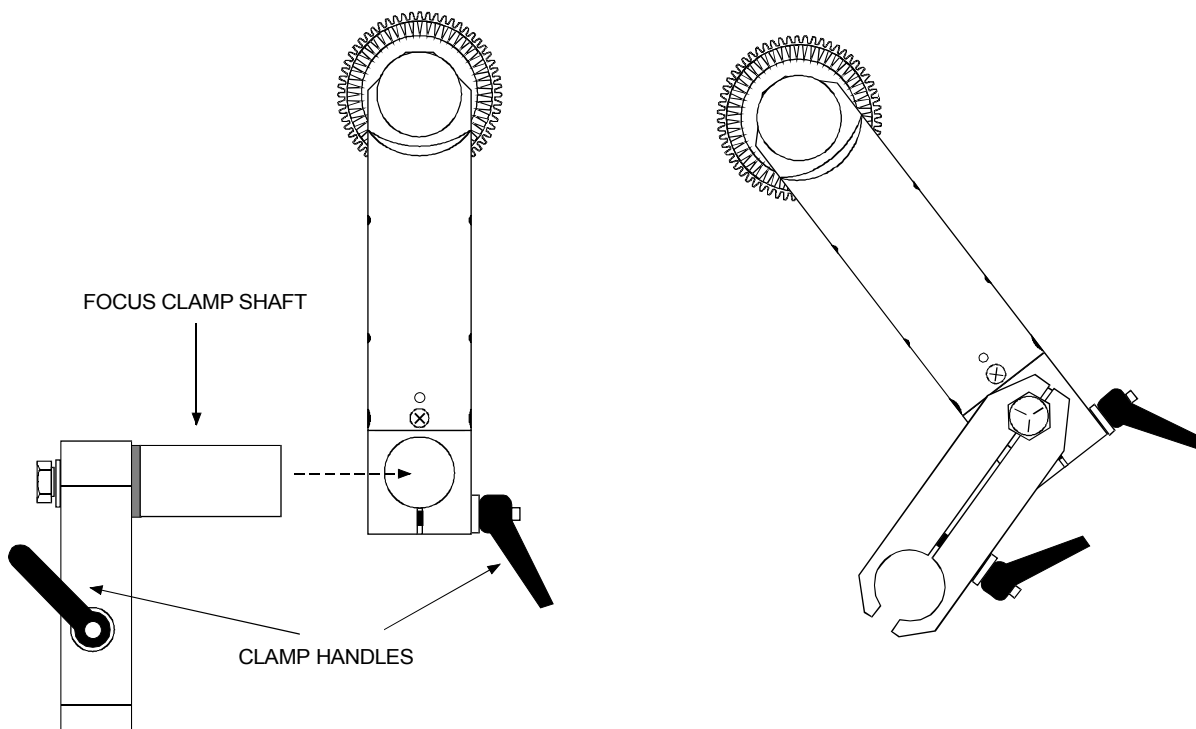
Usually the Focus Servo is not long enough to work properly when attached directly to the map box rod. It is therefore necessary to use the servo in combination with the Focus Clamp. If the camera is already assembled the Focus Clamp can be attached without having to slide it down the full length of the rod.

1. Attach the Focus Clamp Shaft to the Focus Clamp by inserting the 1/4-20 bolt through the washers and clamp as shown below. The bolt must be screwed tightly into the clamp shaft causing the fiber washer to securely lock the focus clamp and shaft together.
2. It may be necessary to use a rod adaptor in the focus clamp if the rods are less than 19mm.

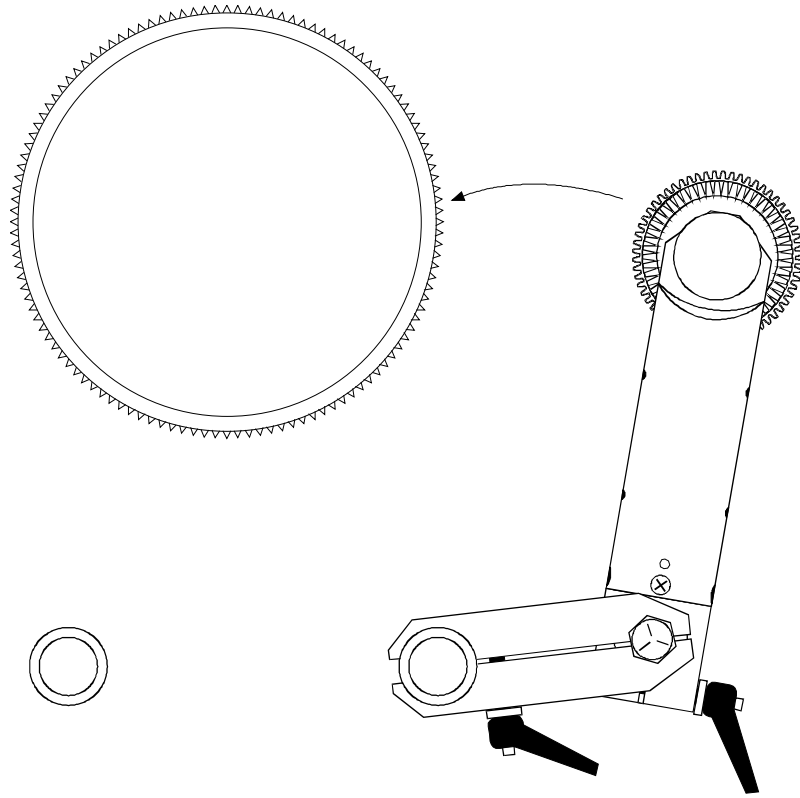


NOTE: It may be necessary to tighten the bolt after the clamp is attached to the map box rod.

3. Insert the clamp shaft into the focus servo and tighten the clamp handles.



4. The focus servo can now be rotated to engage the gears on the focus ring of the Lens. Once this is done make sure the clamp handles and the bolt are good and tight.

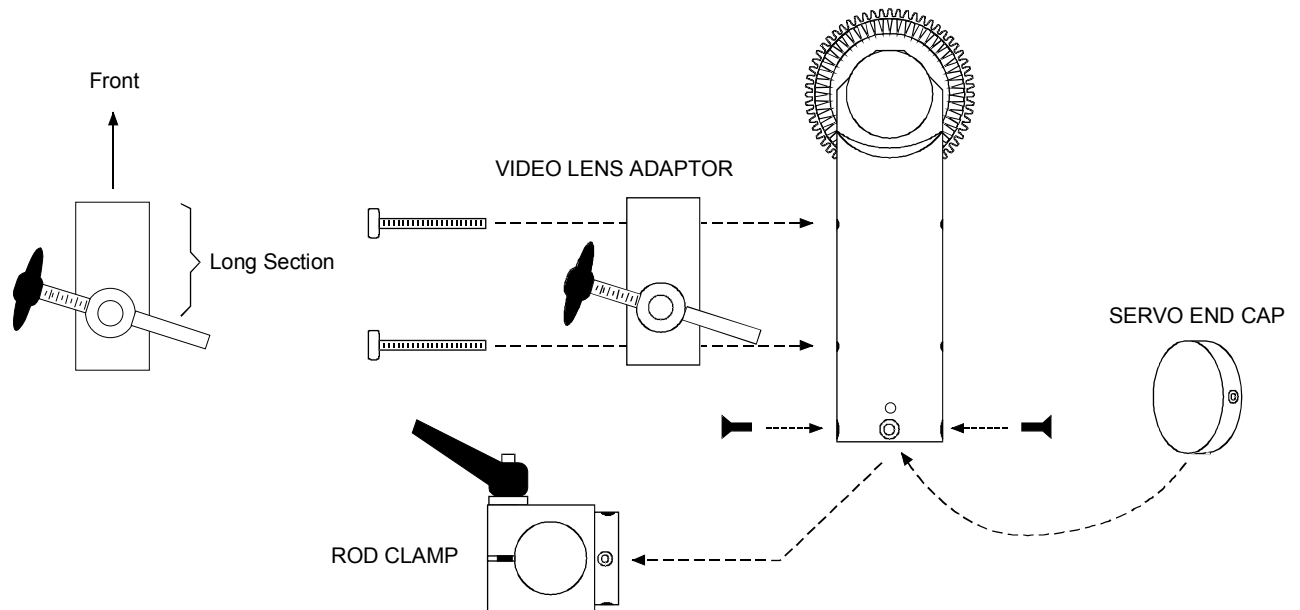


WARNING: Be careful about over-rotating the lens and striking the lens stops as this can result in tearing teeth out of the plastic gear. Make sure you have adjusted the Focus Travel so you do not hit the lens stops.

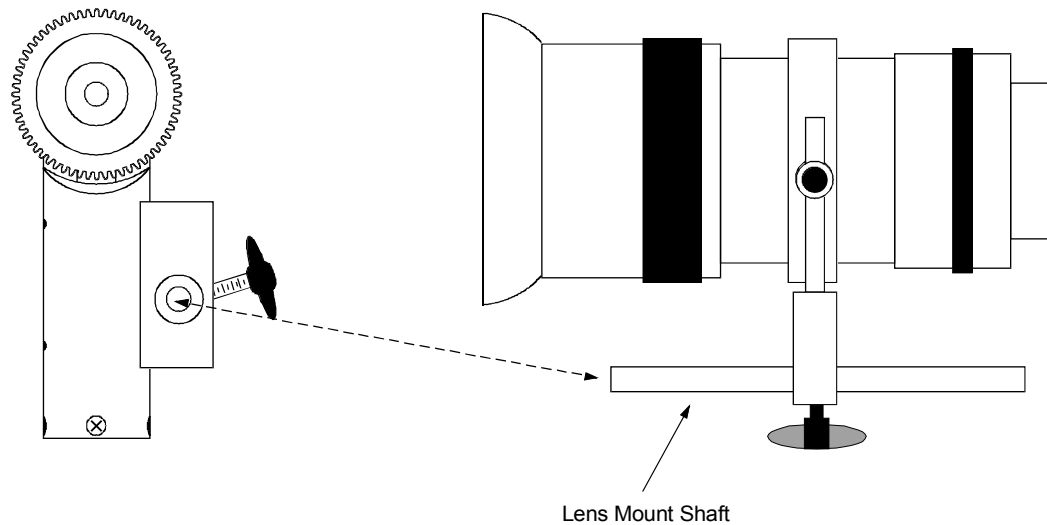
VIDEO FOCUS ADAPTER

This adapter when added to the Focus Servo allows you to mount the servo on standard video lenses. It is spring loaded and operates similar to the standard focus. The right angle focus gives you about 3 times the travel of the standard focus so you will have to be sure to adjust the focus travel.

1. Attach the Video Focus Adapter to the servo body using the 4-40 Philips head screws making sure the Long Section is facing forward as shown below.
2. The Rod Clamp can be replaced with the Servo End Cap. This procedure is not necessary but significantly reduce the servo profile.

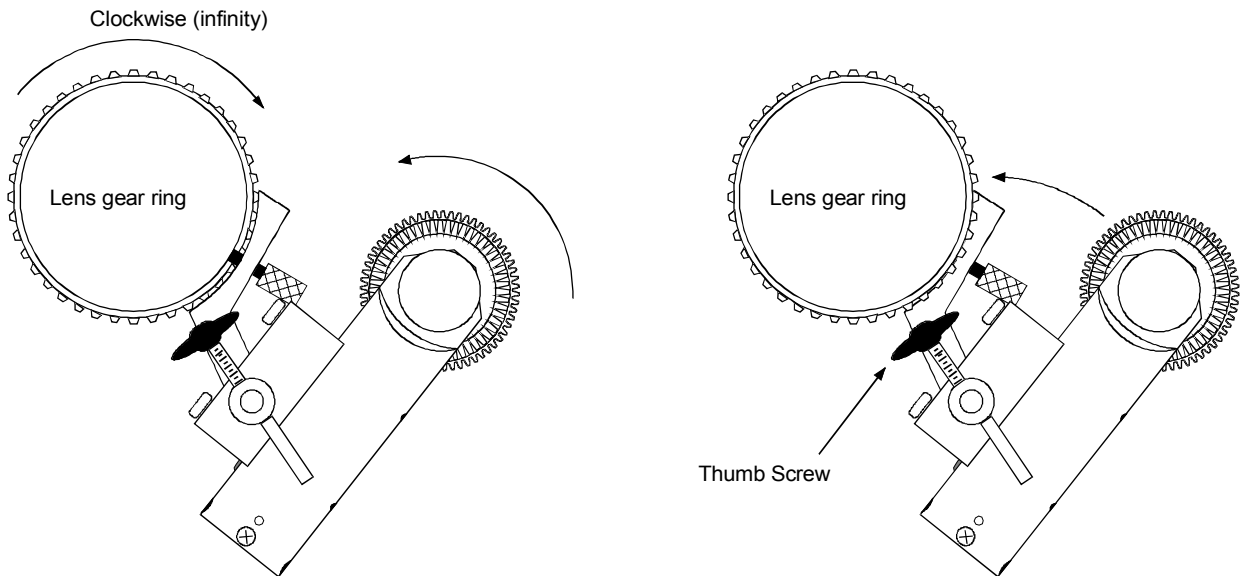


3. Slide the focus servo onto the Lens Mount Shaft.



FOCUS ADJUSTMENT

1. Because the Right Angle Focus has three times the travel as the standard focus it will be necessary to significantly reduce the focus travel. Before engaging the lens gear you should turn down the travel knob on your Zoom Handle at least half way.
2. Make sure the focus servo is not engaged with the lens then rotate the lens clockwise to infinity. Plug in the focus servo and rotate it counterclockwise.
3. Loosen the thumb screw and swing the servo to engage the lens.



4. As the Lens Gear and Focus Gear engage set the spring tension by pushing on the Tension Pin then locking the servo in place with the thumb screw.

