

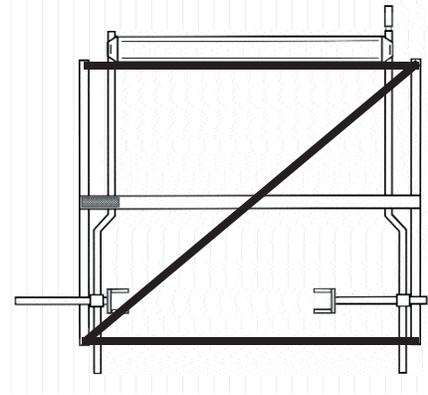
# Annual Inspection Checklist

## for Trion Workstation Models 3000, 3500, 4500, 4700 & Pro-M

This checklist is provided as a means of assuring that your Trion workstation will continue to operate at optimum efficiency and avoid potential mishaps or failures due to worn or misaligned components. If each of the following items can be answered with a "yes," you can be assured the lift is properly adjusted and functioning correctly.

### Installation Check and Visual Observations

- Is the lift bolted to the floor?
- Is the measured width between the base beams accurate for your model (within 3/8")? (refer to your owner's manual)
- Do the wheel forks rest flat on the floor (see A on reverse)?
- Are all bolts installed with lock washers and tight?
- Is each cable stop properly seated?
- Is at least one threading showing beyond the nut?
- Is any part of the lift bent or damaged?
- Are all the decals readable?
- Is the lift properly hooked up to the electrical system?



Move the wheel tray to the "A" position (nearest the center) and use it as a platform for this segment of the inspection. While standing on the wheel tray, raise the lift to its full height and note the following:

### Operational Observations

#### **Safety Locks and Cables**

- Do the safety latches "click" simultaneously during operation (see B on reverse)?
- Do the safety latches reach the last stop (lock)?

### Top Beam Observations

#### **At the Power Unit End**

- Check the oil level in the center of the sight guage.
- Are the cables in the outside grooves of each pulley?
- Is the end pulley snug on the shaft?
- Is the pump control rod installed on the lever arm with a spacer, washer and cotter pin?

#### **At the Center of the Top Beam**

- Use a cotton glove to feel for broken wires in the cables (see C on reverse).
- Are the cables running the length of the top beam resting on the cable shield supports?  
Put some slack in the cables by having someone hold the pump control down while you press down on the cables. Then check the following:

- Check the clevis on the end of the cylinder (see D on reverse).

#### **At the End Opposite the Power Unit**

- Is there one nut on the threaded end of the safety control rod, and adjusted correctly (see E on reverse)?

### Leg Observations

While still standing in the wheel tray at the top of the lift, check the following:

- Check that all bolts are tight.
- Check that the cone nuts have been installed correctly (see F on reverse).
- Are the cables in the pulley grooves with the inside cables going down the leg and the outside cables returning the length of the top beam?
- Does the safety lever move freely during lift operation, without catching on the end cover?

Notes/Observations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Inspected by: \_\_\_\_\_ (signature) Date: \_\_\_\_\_  
\_\_\_\_\_ (printed name)

If you have any questions about this inspection process, please call Trion's service professionals at 800-426-3634 (M-F, 8-5, Mountain time)

## Inspection Instructions & Detail Information

### A. Wheel Forks

If the wheel forks do not rest flat on the floor, tool bar alignment and/or wheel fork alignment may be needed. Alignment instructions are found on pages 13-14 (Steps 25-26) of the Installation/Owner's Manual for Model Pro-M. For other models needing alignment, call Trion's service professionals for step-by-step instructions.

### B. Cable Adjustment

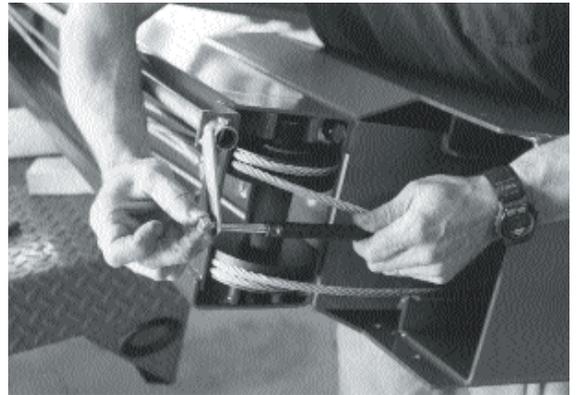
New cables often stretch slightly from their initial alignment causing the locks to engage out of sync. If this condition is observed, adjustment can be easily made to the control-side cables. Follow the adjustment instructions on page 15 (Step 30) of the Installation/Owner's Manual for Model Pro-M. For other models needing adjustment, call Trion's service professionals for step-by-step instructions.

### C. Cable Wear

Alert: Evidence of any broken wires is sufficient to dictate replacement of the cable. Refer to your owner's manual for additional information about cable wear.

### D. Clevis (only models 3000, 3500, 4500 & 4700)

If thread is showing on the rod (cylinder shaft) in the top beam, call Trion's toll-free service number for instructions. If no thread is showing, use a 3/4" socket and extension as a lever to hold the nut while trying to rotate the clevis on the cylinder shaft. If it spins on the threads, there is a problem that should be referred to Trion's service department. The clevis must be tight on the end of the cylinder (twisting the pulley assembly turns the cylinder rod).



### E. Safety Control Rod

While the lift is sitting on the safeties and with the safety lever on the control side resting on top of the rod, be sure that the nut on the safety control rod (non-control leg) is just touching the lever as shown on the photo at right.

### F. Cone Nuts

Check to be sure that the eight bolts that secure the legs to the base beams are installed from the outside, inward. The lock washer should be under the bolt head and the cone nut inside the leg with the tapered side in, as illustrated below.