

## TRAVEL ADJUSTMENTS

We have installed a travel adjustment feature in your hydraulic manipulator. This feature is part of all new units and is an up-grade for old units sent in for refill.

This adjustment can easily be done in your lab. The only tool necessary is the furnished Allen wrench. We recommend making a maintenance adjustment every six months.

### PROCEDURE

1. Turn #1 travel dial clockwise to the end of travel (do not over tighten).
2. Hold the #1 travel dial with one hand and with your other hand unscrew (counter clockwise) and remove color coded knob (these will be red, green or yellow depending on your model) without rotating the #1 travel knob.
3. Holding the # 1 travel knob dial lightly, insert the Allen wrench we have provided in the opening left by the removed color coded knob.
4. Hold the Allen wrench between your thumb and forefinger. Rotate the wrench clockwise. You will feel it engage the adjustment screw. Continue to rotate the Allen wrench using the force applied by using your thumb and forefinger. You will feel a positive stop. At this point, you have reached the travel limit of the stage.
5. Remove the Allen wrench. Hold the travel dial. Reinstall the color coded knob finger tight. The full travel has now been restored.
6. Repeat this procedure on all axis.

Thank you for your time. If you have any questions concerning this procedure, please contact Ernie Friend at (541) 479-8697 or 1-877-313-6418 toll free.

