

# MADDEN MANUFACTURING, INC.

Elkhart, IN

Tel: 574-295-4292 -- Email: info@maddenmfg.com

## INSTALLING STROKE ADJUSTMENT KNOB ASSEMBLY J N SERIES PUMP

1. Turn off the pump and close the piping valves.
2. Remove the Top Nameplate - Cover Assembly (JN049) by removing 4 screws (JR050) and 4 flat washers (TF069).
3. The Stroke Adjustment Cam Shaft (JN055) needs to be pushed up tight through the nameplate.
4. Install the Spring (JN053) onto the shaft and then install the Adjustment Knob (JR052). Release the knob approximately 1/8" for clearance and tighten the set screw that is opposite the pointer in the Adjustment Knob onto the flat section of the Cam Shaft.
5. Replace Nameplate Gasket (JN051) if needed.
6. Set the Output Adjustment Knob to 100 on the dial.
7. Re-install the Nameplate Assembly onto the pump leaving the 4 bolts (with washers) snug but not tight.
8. Turn on the pump. Push the Nameplate Assembly gently towards the wetted end as far as it will go - this will be limited by the action of the Roller Bearing.
9. Tighten down the 4 nameplate screws.

10. To check the output of the pump:
  - a. Turn the Adjustment Knob to zero and check pump output. If there is output, you must slightly move the Nameplate Assembly towards the head approx. 1/16" at a time.
  - b. To make additional adjustments, turn the Knob back to 100 on the dial and slightly tap on the back side (motor side) of the Nameplate Assembly to move forward.
  - c. If Adjustment Knob will not turn to zero, slightly tap on the front side (pump head side) of the Nameplate Assembly approx. 1/16" at a time until the Knob will set to zero.

Note: All Adjustment Knob changes are only while pump is operating.

11. Install Thumb Screw (JR056) and Extension Pin (JR057) and tighten until snug.

