POWER FEED INSTALLATION Model M-5650 Cross Feed Johnford MV54



REFERENCE DRAWINGS ENCLOSED

NA-5444	Bevel Gear Installation
NB-6825	Power Feed Installation
NB-1538	Limit Switch Installation
ND-6293	Type 150 Servo Power Feed
ND-6292	Type 140 Servo Power Feed
0800-80001	Servo Power Feed Operation

PREPARATION

- **Step 1**: Gather together the following items that you will need to complete this installation.
 - a) 3/8" electric hand drill
 - b) 1/8" drill
 - c) flat file
 - d) 3/4" socket wrench
 - e) set of inch hex wrenches
 - f) grease
 - g) clean shop rag
- Step 2: Remove the nut, handcrank, dial assembly and key from the lead screw.

POWER FEED INSTALLATION

- Step 1: Screw the shaft extension onto the lead screw and tighten.
- Step 2: Using the hole provided as a pilot, drill through the shaft extension using a 1/8" diameter drill. Pin in place using the 1/8" x 5/8" long roll pin. File smooth.
- Step 3: Slide the spacer bearing race and adaptor onto the lead screw. Secure using 1/4-20 x 1/2" long cap screws.
- Step 4: Secure power feed to adaptor using 1/4-20 x 1" long socket head cap screws.

BEVEL GEAR INSTALLATION

Step 1: Follow the drawing NA-5444 for installation of the bevel gear. Adjust for proper gear backlash.

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DIAL AND HANDWHEEL INSTALLATION

- Step 1: After getting the proper gear backlash, the dial should be adjusted to obtain .005" spacing from the face of the power feed. This is important in order to keep chips from entering the gear train. Three plastic (.030" thick) and five brass (.005" thick) washers are provided for this. Shim as required.
- Step 2: In the following sequence, install the Woodruff key and dial nut. Slide the handcrank in place and tighten with 1/2-20 lock nut #01115.

LIMIT SWITCH INSTALLATION

Install the limit switch as shown on the installation drawings.

OPERATION

See separate Servo Power Feed Operation sheet. Plug the unit into a source of 120 volt, 50 or 60 cycle power.

WARNINGS

Check hand crank clearances before operation.

Clearances between the surfaces of the hand crank and the non-moving parts of the equipment on which the hand crank is installed must be at least one-fourth inch (1/4") to prevent injury. Modification of existing hand crank or replacement may be required.

Do not operate without proper clearance!

Prevent contact during fast traverses.

SERVO PRODUCTS COMPANY

433 North Fair Oaks Avenue, Pasadena, CA 91103 USA Phone: 800.521.7359 or 626.796.2460 Fax: 626.796.3845 Web: www.servoproductsco.com Call for the location of our regional Service Centers.

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