POWER FEED INSTALLATION Model M-4750 Cross Feed Millport K



REFERENCE DRAWINGS ENCLOSED

NA-5444	Bevel Gear Installation
NB-6107	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 AND POWER FEED INSTALLATION

- 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, #7 drill
 - c) 1/4-20 tap
 - d) 9/32" transfer punch
 - e) flat file
 - f) 3/4" socket wrench
 - g) set of inch hex wrenches
 - h) grease
 - i) clean shop rag
- Step 2: Remove the nut, handcrank, dial and key from the lead screw.
- Step 3: Place the bearing race onto the lead screw.
- Step 4: Slide the adaptor onto the bearing race and flush to the bearing retainer.
- Step 5: Using the adaptor as a template, spot three mounting holes.
- Step 6: Drill and tap 1/4-20 three places into the bearing retainer.
- Step 7: Secure the adaptor to the bearing retainer.
- Step 8: Screw the shaft extension onto the lead screw.
- Step 9: Using the hole provided as a pilot, drill 1/8" diameter hole through and pin in place using the 1/8" x 5/8" long roll pin. File smooth.
- Step 10: Modify the existing Woodruff key per detail A on drawing #NB-6107.

BEVEL GEAR INSTALLATION

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

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, put on the dial locking nut and insert the key. Slide the handcrank in place. Secure using washer and locking nut provided.

LIMIT SWITCH INSTALLATION

Install the limit switch as shown on the installation drawing NB-1538.

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.

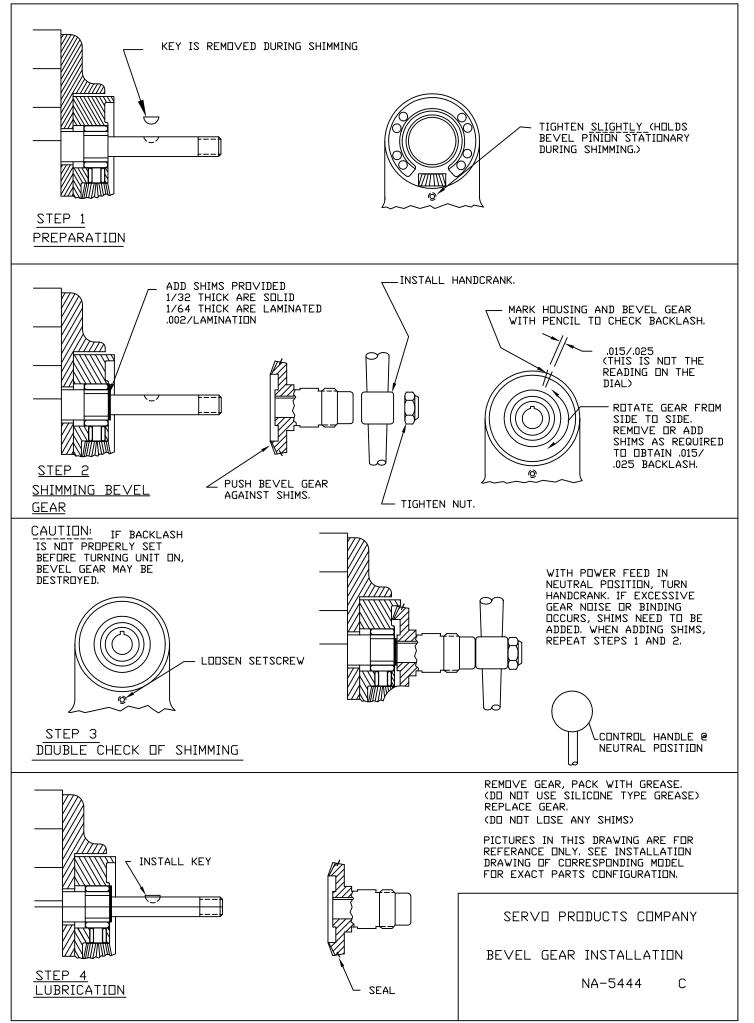
Clearances between the surfaces of the hand crank and the nonmoving parts of the equipment on which the hand crank is installed must be at least one-fourth inch (1/4") to prevent injury. Modification of existing hand crank or replacement may be required.

Do not operate without proper clearance!

Prevent contact during fast traverses.

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