POWER FEED INSTALLATION Model M-3550 Cross Feed Clausing M-400EVS, 450EVS & 500EVS



REFERENCE DRAWINGS ENCLOSED

NA-5444	Bevel Gear Installation
NB-1538	Limit Switch Installation
NB-59373	Power Feed Installation
ND-6292	Type 140 Servo Power Feed
ND-6293	Type 150 Servo Power Feed
0800-80001	Servo Power Feed Operation

PREPARATION

- Step 1: Clean the power feed mounting area completely
- Step 2: Move saddle to front of mill.
- Step 3: Remove the nut, handle and dial from the mill.

MOUNTING INSTALLATION:

- Step 1: Slide 0470 bearing race into 59370 adaptor
- Step 2: Slide bearing race and adaptor on to lead screw and position adaptor such that the power feed can be mounted vertically.

 NOTE: THE BEARING RACE WILL ALLOW CORRECT CENTERING OF ADAPTOR.
- Step 3: Using a transfer punch spot 3 places in bearing housing. Remove adaptor and bearing race
- Step 4: Drill and tap (#7 drill) 1/4-20 3 places min. 5/8" deep.
- Step 5: Install adaptor using 01072 1/4-20 X 1-1/4 S.H.C.S. 3 places
- Step 6: Slide 04743 spacers (2) onto lead screw, slide 0470 bearing race onto lead screw.
- Step 7: Screw 59371-shaft extension to lead screw. Using pilot hole drill 1/8 dia. thru and secure using 00594-roll pin. File smooth and clean.
- Step 8: Slide power feed onto bearing race and secure using 00586 1/4-20 X 1.00 S.H.C.S. 2 places.

NOTE:

If bearing race is not flush with the needle bearing within \pm .005", then either shim behind the bearing race or machine spacer to locate bearing race.

Step 9: Modify 3 mm key approx .50"

BEVEL GEAR INSTALLATION:

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

DIAL AND HANDWHEEL INSTALLATION:

- Step 1: Shim dial using 01251 and 01252 shim washers approximately .005" from face of power feed.
- Step 2: Install 07177 key washer, 59327 3mm key, existing washer and tighten with 01115 1/2-20 locknut.

LIMIT SWITCH INSTALLATION:

Install limit switch as shown on 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 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.

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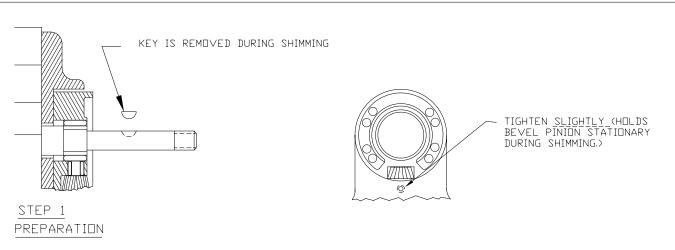
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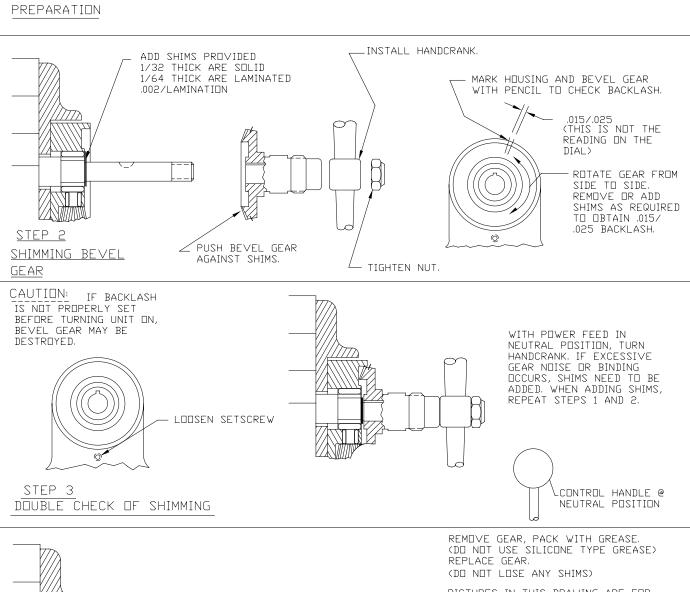
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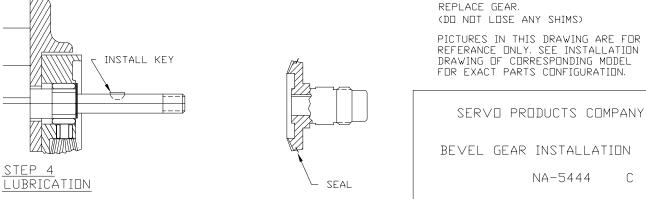
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