POWER FEED INSTALLATION Model M-2300/2308 Table Feed Do All, Exacto, Maxmill, Select and others



REFERENCE DRAWINGS ENCLOSED

NA-5444 Bevel Gear Installa	ation
NB-3200 Power Feed Install	ation
ND-6293 Type 150 Servo Dr.	ive
ND-6292 Type 140 Servo Dr.	ive
0800-80001 Servo Power Feed	Operation

PREPARATION

- Step 1: Move the table to the extreme left.
- Step 2: Remove the nut, handle and dial assembly from the right-hand end of the table.
- Step 3: Remove the four cap screws holding the bearing housing in place.
- Step 4: Using a soft hammer, tap the bearing housing off. Clean the end surface of the table.

POWER FEED INSTALLATION

- Step 1: With the table in the extreme left-hand position, install the adaptor with the four cap screws.
- □ NOTE On some machines the drive pin holes do not line up with the adapter. Remove and discard the pins in such cases. The four cap screws are all that is necessary.
- Step 2: Slide the bearing spacer, then the bearing race onto the lead screw. Slide the power feed onto the bearing race and push flush to the end of the adaptor.
- □ NOTE Depending on the lead screw, the bearing race spacer might require to be shortened approximately 5/32" in order to get proper shimming of the bevel gear.
- Step 3: Secure the feed with two 1/4-20 x 1" socket head cap screws.

BEVEL GEAR INSTALLATION

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

DIAL AND HANDCRANK INSTALLATION

- Step 1: After getting the proper 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. Four washers are provided for this, two solid and two laminated. Shim as required.
- *Step 2:* In the following sequence, replace the dial and dial locking nut, slide the handle in place and tighten with the locking nut.

LIMIT SWITCH INSTALLATION

- Step 1: Remove the standard table stop pieces and install the table stop pieces furnished. Put the standard stops back in a position to prevent feed stops from being set beyond extreme table travel.
- Step 2: Remove the two cap screws holding the T-shaped table stop and replace with the limit switch bracket #01852. Secure with original screws.
- Step 3: The T-stop is retained to act as a positive stop where required for manual operation.
- □ NOTE For proper operation, the electrical limit switch should be engaged .4 inch before the mechanical stop to allow for coasting of the table. The T-stops are often not symmetrical and may need to be ground to obtain proper operation.
- Step 4: Put the cable clamp on the cable and secure to the right-hand chip scraper screw.

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.

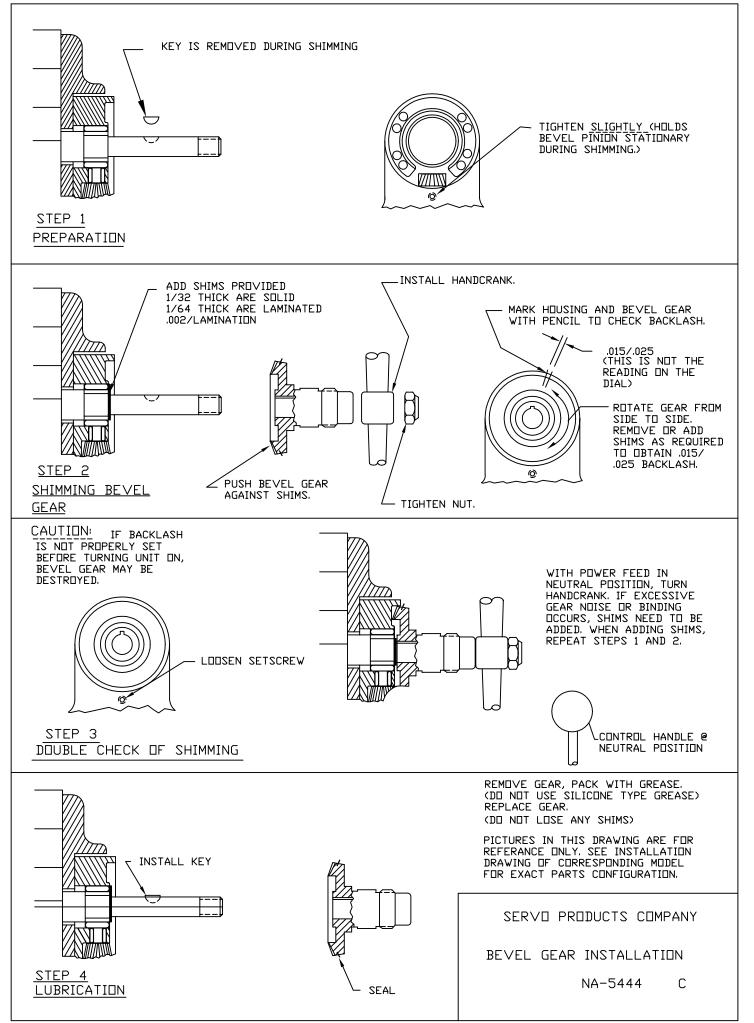
Clearances between the surfaces of the hand crank and the nonmoving parts of the equipment on which the hand crank is installed must be at least one-fourth inch (1/4") to prevent injury. Modification of existing hand crank or replacement may be required.

Do not operate without proper clearance!

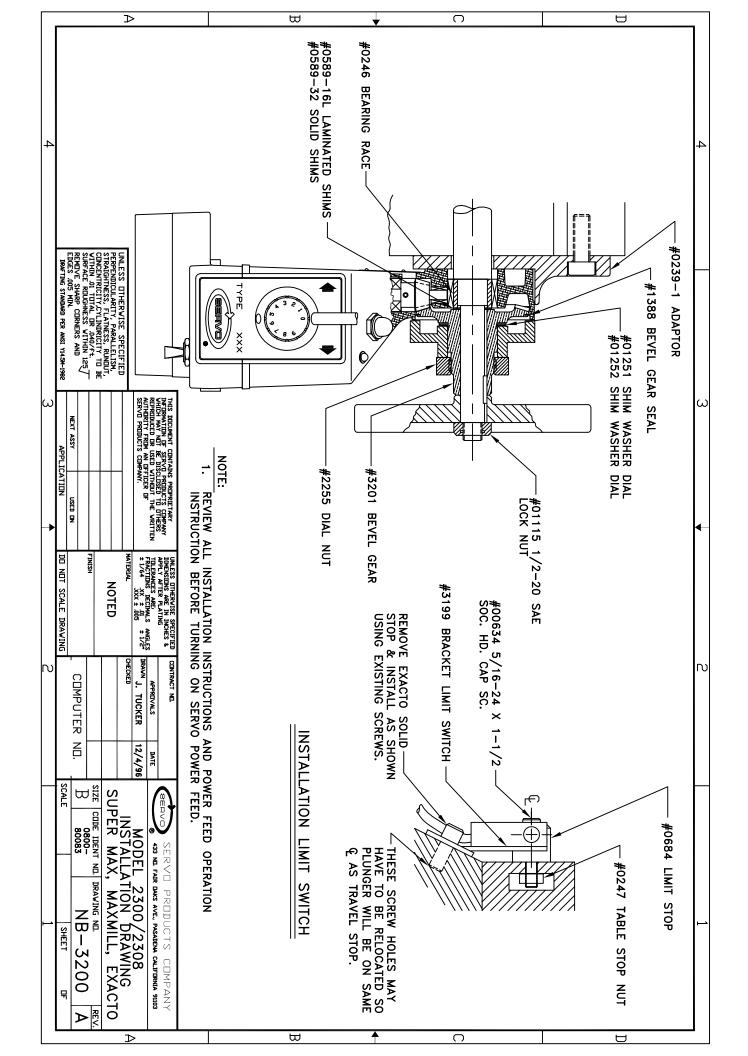
Prevent contact during fast traverses.

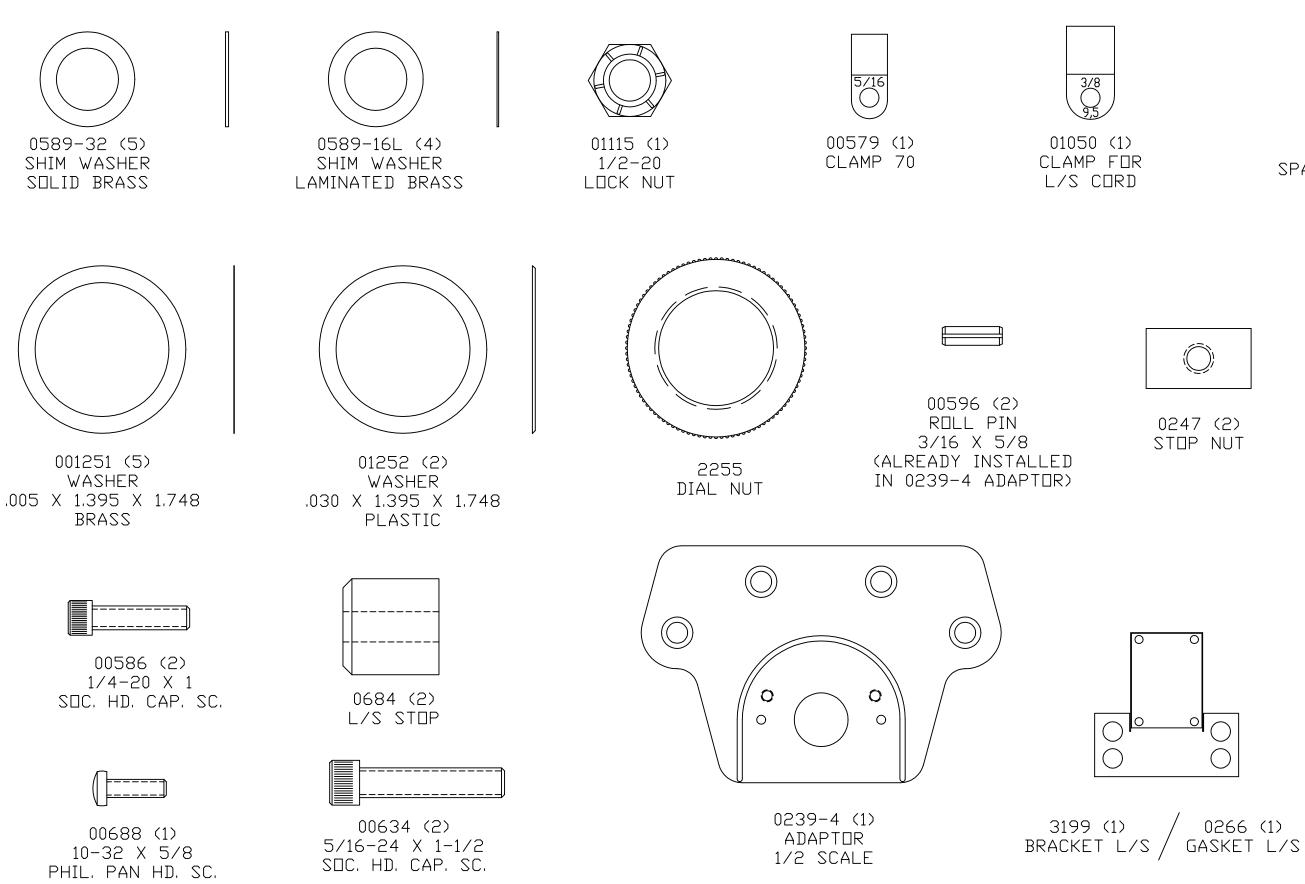
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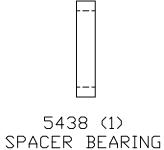


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PARTS LIST I.D. SHEET K-2300







3546 (1) BEARING RACE

