POWER FEED INSTALLATION Model M-0200 Table Feed



Bridgeport Mill & Others

REFERENCE DRAWINGS ENCLOSED

NA-5444	Bevel Gear Installation
NB-0296	Power Feed Installation
ND-6293	Type 150 Servo Power Feed
ND-6292	Type 140 Servo Power Feed
0800-80001	Servo Power Feed Operation
0800-80426	Parts List I.D. Sheet K-0200

PREPARATION

- Step 1: Gather together the following items that you will need to complete this installation.
 - a) soft hammer
 - b) 3/4" socket wrench
 - c) set of inch hex wrenches
 - d) grease
 - e) clean shop rag
- Step 2: Move the table to the extreme left.
- Step 3: Remove the nut, handle, and dial assembly from the right-hand end of the table.
- Step 4: Remove the four cap screws holding the bearing housing in place.
- Step 5: 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 adaptor. Remove and discard the pins in such cases. The four cap screws are all that is necessary.
- Step 2: Slide the bearing race onto the lead screw.
- Step 3: Slide the power feed onto the bearing race and push flush to the end of the adaptor. Secure with two 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.

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, replace the key (if removed), dial, and dial locking nut. Slide the handle in place and tighten with 1/2-20 locknut #01115.

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. Place the limit switch spacers into the T-stop and install limit switch using 3/8-16 x 1-1/4" long socket head cap 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 0.4 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 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

Web: www.servoproductsco.com

CALIFORNIA BRANCH

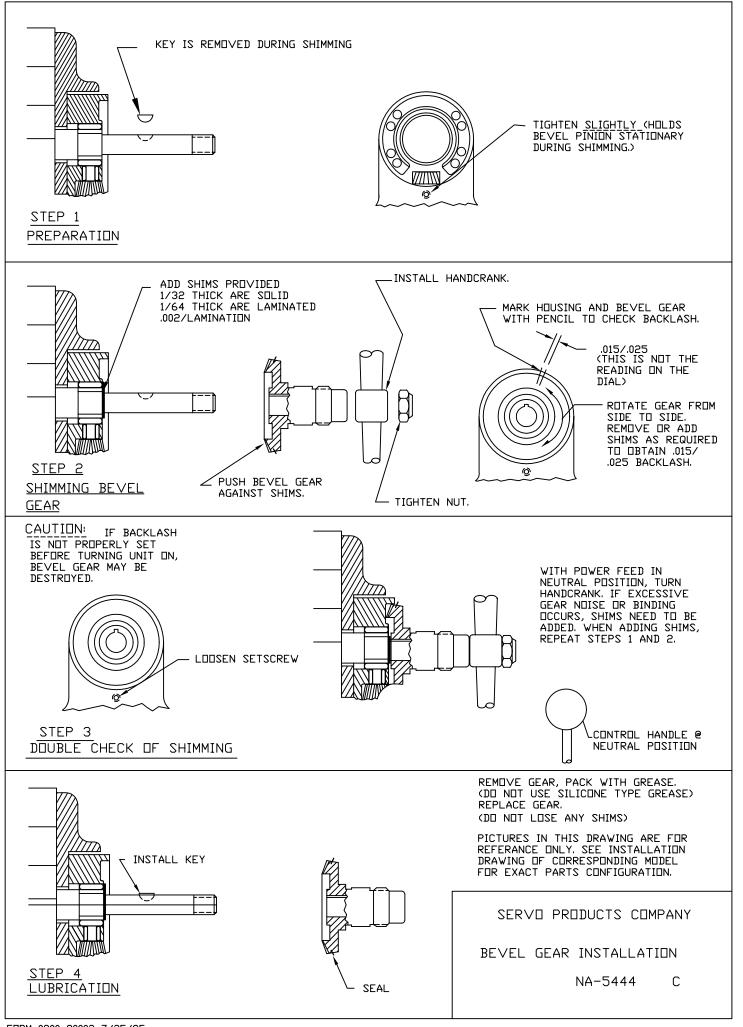
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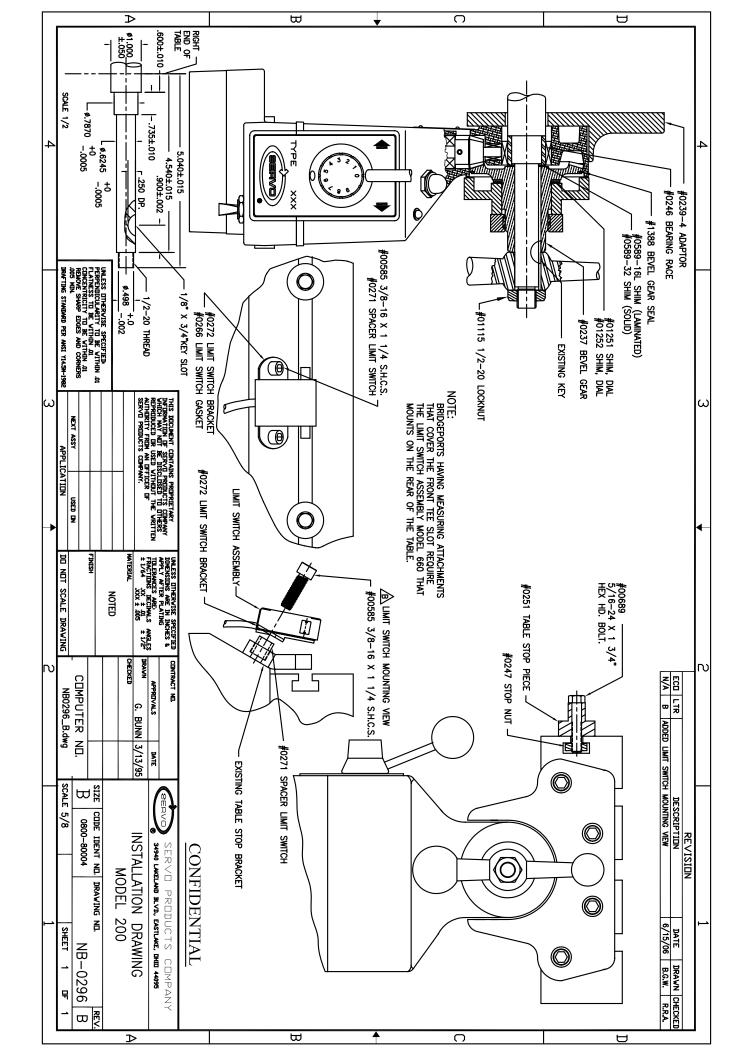
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M-0200 TABLE FEED PARTS IDENTIFICATION LIST



00579 Clamp Qty = 1

Clamp Qty = 1 01050

00688 Phil Pan Hd Screw

Qty = 1

















0266 v Limit Switch Gasket Qty = 1

Limit Switch Bracket

Qty = 1

06928 Phil Pan Hd Screw

Qty = 4



0271 00585
Limit Switch Spacer Soc Hd Cap Screw
Qty = 2 Qty = 2



Hex Hd Bolt Qty = 2 00689

0247 Stop Nut Qty = 2

Limit Stop Qty = 2 0251

01115 Lock Nut Qty = 1

59254 Dial Nut Qty = 1

Brass Shim Qty = 5

Plastic Shim Qty = 2 01252

01251

































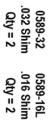






Bevel Gear Qty = 1









Bearing Race Qty = 1 0246



Soc Hd Cap Screw

Qty = 2 00586



Roll Pin Qty = 2 00595



Roll Pin Qty = 2 00596

