POWER FEED INSTALLATION Model M-6550 Cross Feed



Victor 16VSK or VK

REFERENCE DRAWINGS ENCLOSED

NA-5444	Bevel Gear Installation
NB-1538	Limit Switch Installation
NB-6877	Power Feed Installation
ND-6293	Type 150 Servo Drive
ND-6292	Type 140 Servo Drive
0800-80001	Servo Power Feed Operation

PREPARATION

- Step 1: Remove the nut, handcrank, dial, dial hub, and key from the lead screw.
- Step 2: Place the adaptor plate #6859 onto the existing bearing housing.
- Step 3: Transfer three mounting holes from the adaptor plate to the bearing housing. Drill and tap 1/4-20 by 1/2" deep threads.
- Step 4: Secure the adaptor plate to the bearing housing using the 1/4-20 x 1/2" long socket head cap screws. Torque all three screws to 120 in-lb.

DRIVE UNIT INSTALLATION

- Step 1: Screw the shaft extension onto the lead screw and tighten.
- Step 2: Using the cross hole on the shaft extension as a pilot, drill 1/8 diameter through and pin in place using the 1/8 x 5/8 long roll pin. Both ends of the roll pin must be flush or below the shaft surface. File if necessary. Sand smoothly to remove burr.
- Step 3: Slide the spacer #6235 and the bearing race #0682 onto the lead screw.
- Step 4: Secure the power feed to the adaptor using the $1/4-20 \times 1-1/8$ " 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, put on the dial locking nut, add spacer, insert the key, slide the existing handcrank and washer in place. Secure with the lock nut provided.

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LIMIT SWITCH INSTALLATION

Step 1: See limit switch installation drawing NB-1538 enclosed.

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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