

130/131 EG Series Slides

4th Position Davenport

Installation, Operation and Maintenance Instructions

Congratulations on the purchase of your C. J. Winter 130/131 EG Series Slide for your Davenport Automatic. With proper care, this investment will provide years of reliable service with virtually zero maintenance. Although the 130/131 EG is similar in many respects to your old 4th position Tool Slides, there are several significant changes which affect both installation and operation. This manual will describe those changes, and how they affect your use of the slide. The principle difference between the 130 EG and the 131 EG is the Positive Stop included with the 131 EG. Otherwise, all installation and maintenance instructions will apply to both units, and differences will be explicitly stated.

Installation

Your 130/131 EG will be shipped with everything you need to replace your existing unit with an updated, C. J. Winter slide. It comes fully assembled, and ready for mounting on your Davenport.

To install your new 130/131 EG into your Davenport Automatic, follow these simple steps:

1. Remove all grease lines/fittings from the slide

Your 130/131 EG does not require any lubrication once installed. You no longer need to grease your slides, and therefore you will find no grease fittings on the 130/131 EG.

2. Disconnect all drive mechanisms from your old slide and remove the slide from the machine.

3. Loosen the Gib Adjusting Screw (component of part # 7).

*** **Caution** ***

DO NOT tighten gib when it is outside of an assembled 130/131 EG. Doing so will cause the gib to collapse, and may cause irreversible damage to the gib.

4. Pull the upper portion of the 130/131 EG, the slide (part # 3a), out from the back of the Base (part # 3b).

*** **Caution** ***

Each 130/131 EG consists of a MATCHED pair of precision machined components. The Slide (part # 3a) and Base (part # 3b) are a Matched Set and are engraved with a serial # during manufacture to identify them as such. They should not be mixed with other 130/131 EG components and must be kept in serial pairs to maintain the precision and longevity they were designed for.

5. Mount the Base onto your machine using the included hardware.

*****PLEASE NOTE*****

The 130/131 EG has been designed to mount onto the hand-scraped mounting surface of your Davenport. If your slide does not mount securely onto this surface, and shows any signs of rocking, check for burrs or chips or any abnormality on the Davenport's surface. This surface **MUST be **FLAT** to avoid distortion to the base which can cause binding of the slide. Check for flatness and scrape any high spots.**

6. Flood all dovetail and gib surfaces of the base and slide with **clean** way oil, making sure not to introduce any *chips* or *debris* onto these surfaces.
7. Insert the upper portion of the slide through the back of the Base.
8. RE-attach the drive mechanisms, and retraction springs.

OPERATION

There are a few features on the 130/131 EG Series Slide that make its operation slightly different than previous equipment you may have used.

1. Gib Adjustment

- The **130/131 EG** use **Expansion Gib** technology. To tighten the slide, turn the gib screw clockwise in small increments (1/16th turn) until all the play has been taken out of the slide.
- A properly adjusted slide should be tight, but should actuate by hand and return under the return spring load.
- Under normal use, the Gib should only require adjustment once every 4-6 weeks, and that adjustment should be small.

During initial break-in, adjustments may be needed more frequently.

2. Lubrication

- Other than the way oil used during installation, no other lubrication is needed. This is a result of the low-friction coating and polymer laminates applied to the slide surfaces.

MAINTENANCE

With proper care, your 130/131 EG will provide you with years of reliable, highly accurate, and trouble-free service. But keep these maintenance tips in mind when working with the 130/131 EG.

1. Chip Removal

- Clean the dovetail surfaces between jobs. Chips can and will get everywhere on your Davenport, and by cleaning the slide ways, you will prolong the life of your slide. Re-oil when re-assembling.

2. Gib Inspection

- Inspect the polymer laminate on the flat expansion gib periodically (every few months or between jobs). If this laminate is torn, peeling, or is worn so that the Gib is less than 0.381" thick on the 2 central pads, then the laminate is worn more than 1/3 of the way through, and the Gib should be replaced.
- Using a Gib with a severely worn laminate will result in tearing of the laminate and may cause non-repairable damage to the slide.

3. Low Friction Coating

- The very thin low-friction coating on the slide and base does wear slowly over time. It takes on a high polish, burnished look, which is normal, but the dull base material should not show through.
- When the coating wears enough to smooth out all the milling marks on a large part of the running surface, you should consider having the coating restored by C. J. Winter.
- This is a low cost, efficient way of extending the life of your 130/131 EG and getting back that "new slide" accuracy and performance.
- Our restoring process will strip the worn coating back to bare metal, which is still wear free and in new condition. We will then re-plate the components, and return the slide in virtually new condition at a fraction of the cost of re-scraping a conventional tapered-gib slide.
- Under similar usage, this process will be needed at intervals roughly 5 to 10 times longer than conventional slides last between re-scraping, and can be done many times without degrading the slide accuracy.

**For more information on the installation, operation, or maintenance of your 130/131 EG, please visit us at
<http://www.cjwinter.com>
or call us toll free at 1-800-288-7655.**

