



Enabling Your Ideas

Technical Document

Filter-Regulator-Lubricator Installation

Product Identification: Filter-Regulator-Lubricator (PN 32457)

Purpose: The purpose of this document is to detail the installation and use of the Filter-Regulator-Lubricator with the power drawbar and automatic tool changer (ATC).

Qty.	Filter-Regulator-Lubricator (PN 32457)	PN
1	Filter-Regulator-Lubricator (FRL)	32455
2	NPT Reducer	32456

NOTE: If any of these items are missing, contact Tormach Customer Service at (608) 849-8381 for a replacement.

The FRL is recommended for proper conditioning of supply air for both the power drawbar and the ATC.

IMPORTANT! Ensure all parts of FRL are clean and free of dust prior to installation.

Installation

1. Remove three plastic inserts from FRL and discard.
2. Wind thread seal tape (also known as PTFE tape or plumber’s tape) two times around threads on dial; secure to front of FRL as shown in **Figure 1**.
3. Drill two holes into the back of the splash guard (or wherever is convenient for mills without a splash guard).
4. Using your own equipment, secure FRL mounting bracket to the mill (see **Figure 1**).
5. Connect two Quick Connect Bushings (PN 32212) to two NPT Reducers (included).
6. Wind thread seal tape two times around the fittings on two NPT Reducers; secure into the valve housings on either side of the FRL.
7. Connect air lines to two Quick Connect Bushings attached to valve housings on either side of the FRL (see **Figure 1**).



Figure 1

8. Open the FRL fill port with a hex key (see **Figure 2**).
9. Using a small funnel, fill the lubricator bowl with standard air tool oil. Only use oil that is specifically designed for air tools.

NOTE: Before first use, air must be flushed from the FRL system.

NOTE: Proper function is confirmed visually through the Sight Window on the top of the FRL (see **Figure 3**). A droplet of lubricant will form on the bottom of the stem located inside of the Sight Window.

Purge Air from System

1. Open lubrication Adjustment Knob 1/2 turn (toward the +) as shown in **Figure 3**.
2. Flush all air bubbles from the system.
3. When air bubbles no longer appear in the Sight Window and a droplet of lubricant forms on the bottom of the stem, close Adjustment Knob 1/4 turn (so that it is open approximately 1/4 turn from closed position).

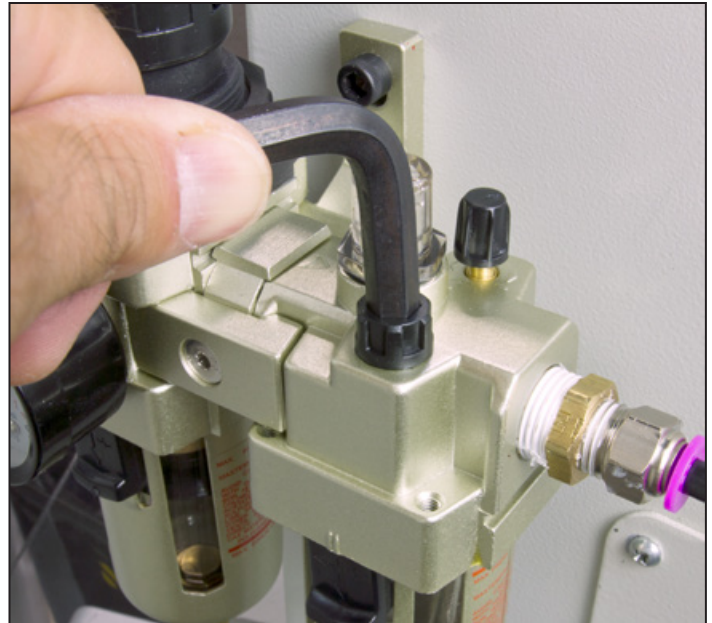


Figure 2

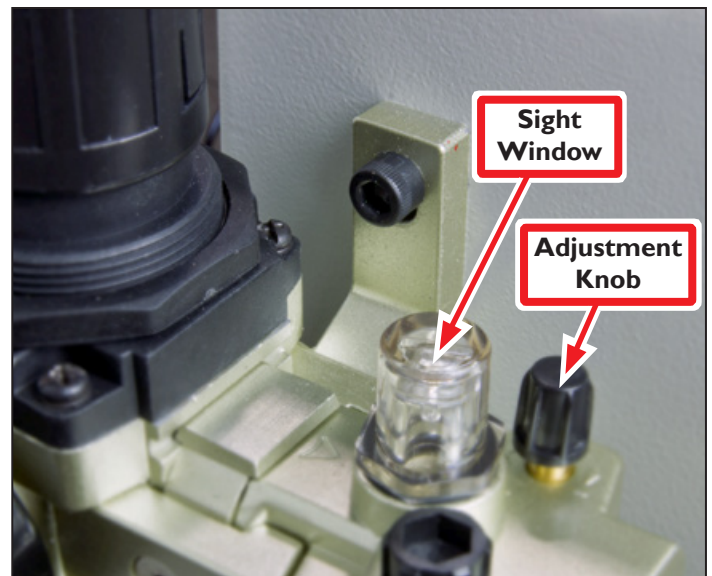


Figure 3