

## **IT1000 Industrial Air Tool**

### **Operating instructions:**

**Always wear safety glasses when using this tool.**

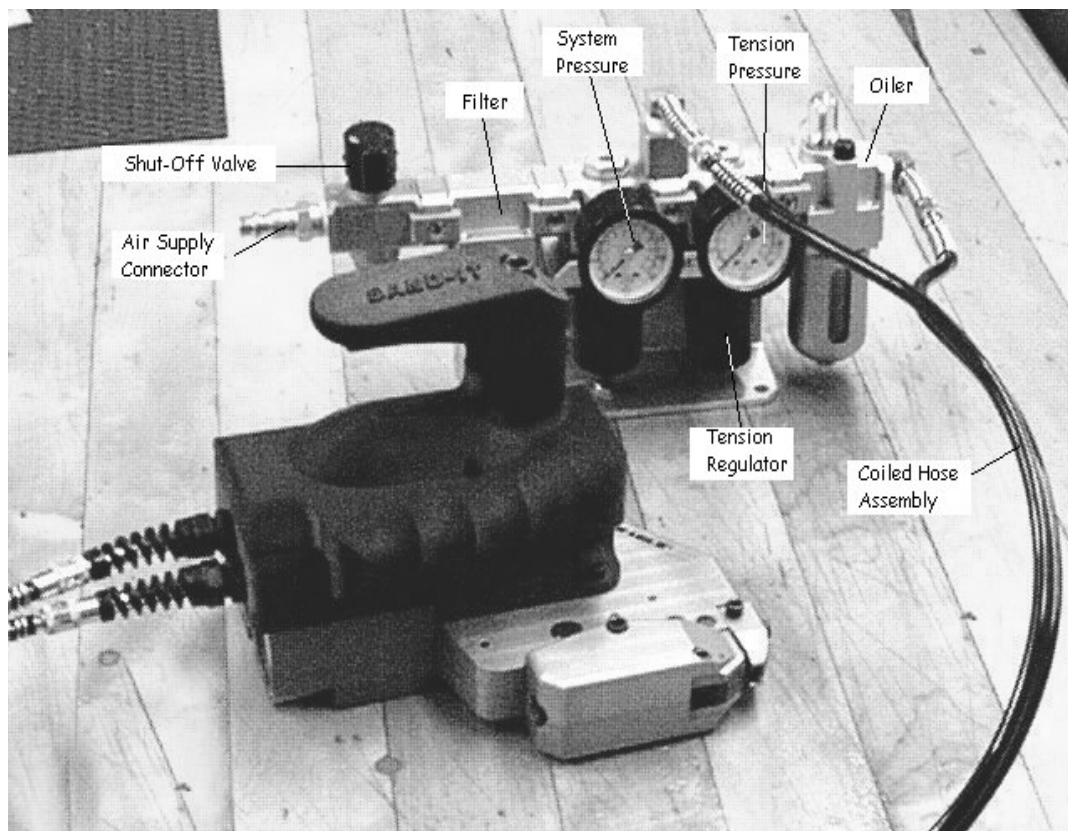
### **Adjust tension as follows:**

- Tie-Lok version: For type 201 SS. 1/4" wide (.015" thick) Universal clamps set tension at **70 PSI (4.8 Bar) nominal, 80 PSI (5.5 Bar) max.**
- Tie-Lok version: For type 304 and 316 SS. 1/4" wide (.015" thick) Tie-Lok Ties set tension at **60 PSI (4.1 Bar) nominal, 70 PSI (4.8 Bar) max.**
- JR. version: For type 201 SS. 1/4" wide (.020" thick) pre-formed junior clamps set tension at **90 PSI (6.2 Bar) nominal, 100 PSI (6.9 Bar) max.**

Note:

- Do not spray any internal parts of tool with degreaser or cleaner fluids.

### **Preparing the tool for production.**



Connect tool to A560 controller module, using included coiled hose assembly.

Once controller module is connected to air supply (supply air hose not included), turn shut-off valve counter-clockwise to pressurize tool (SUPP. Position). Make sure left-hand gauge reads around 100 PSI (6.9 Bar). Tool will not operate properly if supply pressure falls under 90 PSI (6.2 Bar). Right hand regulator controls tension applied to clamp tail. Be sure to adjust according to clamp type used (see above pressure recommendations).



Tension speed can be adjusted using 5/32" hex key. Turn clockwise to slow tool's tension speed down. Tool is factory set at highest speed.



Using 1/4" hex key, adjust support arm to operator's hand. Be sure not to adjust too far outward, beyond interlocking legs.

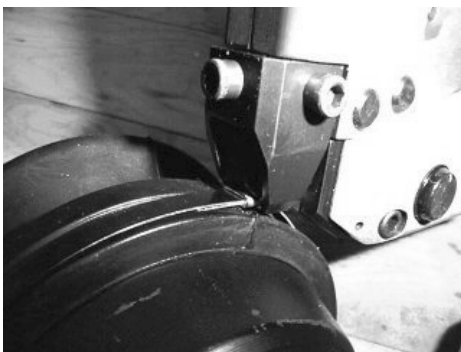
### Installing clamps.



Insert clamp tail into tool as shown. When installing Tie-Lok ties or Universal clamps, be sure to locate buckle between clip jaws as shown. Clamp tail length extending into tool must be at least 2.5" (6.4 cm) long.



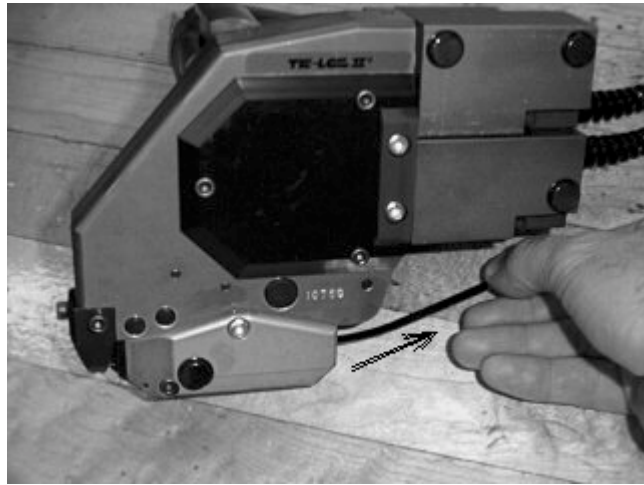
To install clamp, push and hold down actuator button. Tool tensions, forms lock, and cuts excess clamp tail automatically.



While tensioning clamp, hold tool slightly tipped forward. This ensures proper buckle placement.



**Example of clamp being installed wrong, buckle is under clip jaws. This results in loose clamp and no locking dimple formed.**

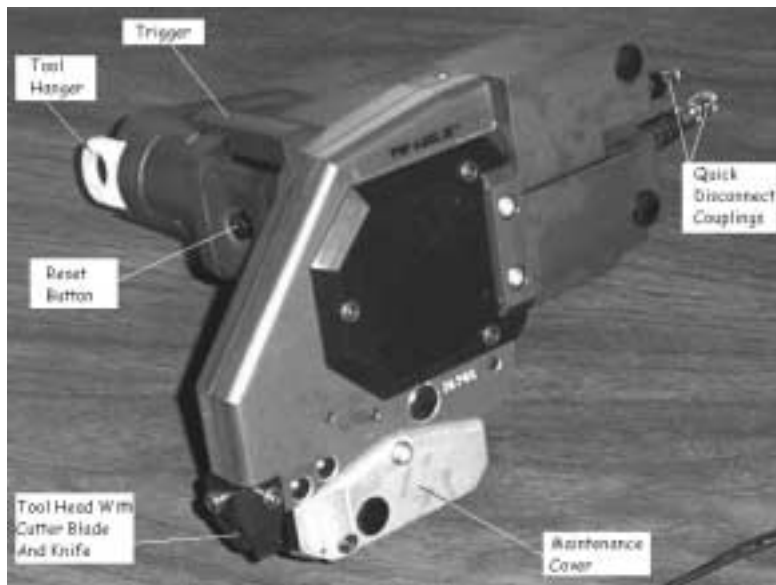


After clamp is completed, be sure to remove excess band material from tool. Tool is now ready for next clamp.

## Maintenance and Trouble-shooting

- *To prevent clamp tail fold-up and extend tool life: Do not remove factory applied lubrication from inside components of tool, or use degreaser. Use nominal recommended tension setting or less if possible (listed on page one). Higher pressure may not necessarily result in a tighter clamp, but increases incidence of jamming.*
- *Do not over-tighten mounting screws to prevent stripping screw threads.*
- *Only remove mounting screws and components described in this manual.*

For extended maintenance and repair consult factory.



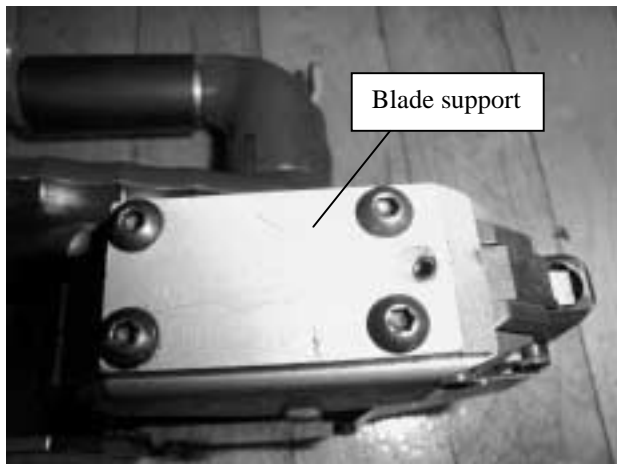
Component locations of tool.

**Important: Before disassembling tool, be sure to shut-off air supply on controller module.**

**If cut-off fails:**

Check system supply pressure, should be at least 90 PSI (6.2 Bar). Minimum required system pressure is different with clamp type and tension setting. If needed, press reset button to remove clamp from tool. *On Tie-Lok and Junior type tools, both cutter blade and knife have two cutting edges (reversible).* If first cutting edge on these parts is worn beyond usability, follow instructions below on how to remove them. Re-install with unused cutting edge orientated in place of worn one. Replace with new parts if both edges are worn.

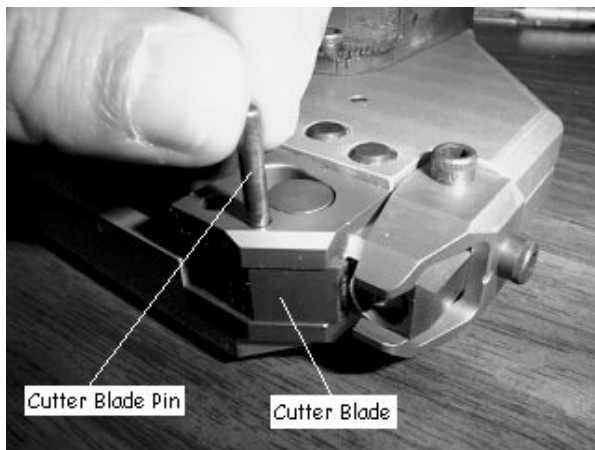
**To replace cutter blade:**



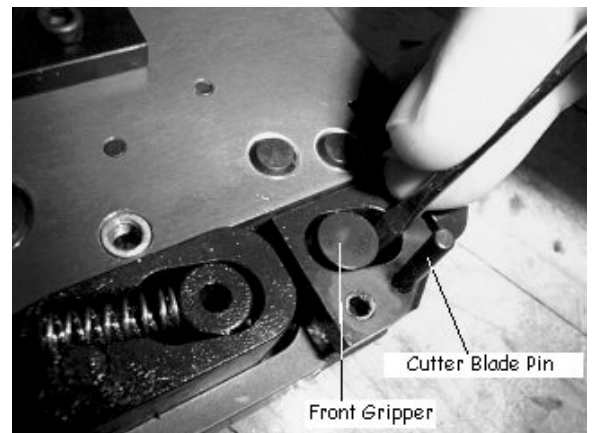
Remove set screw, 4 button head screws and blade support.



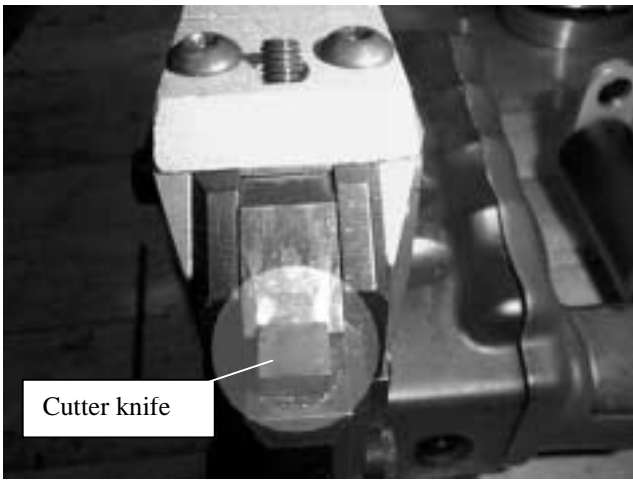
Remove two mounting screws (5/32" and 9/64" hex key) and maintenance cover.



Remove cutter blade pin and cutter blade. Pin can be pushed out from far side with a piece of wire.



When installing cutter blade pin, push front gripper back with a small screwdriver. Pin should go in without much resistance.



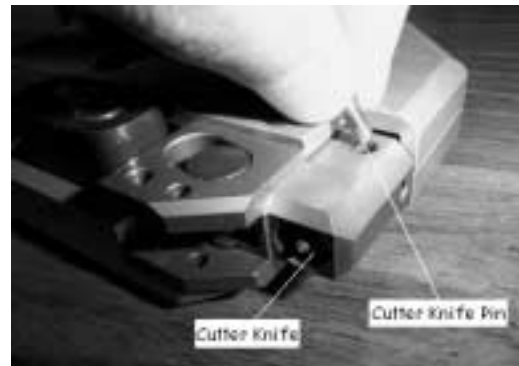
Replacement Cutter Blade Part Numbers		
Tie-Lok	Junior	Ultra-Lok
I10787	I11787	I14787

**Re-install remaining parts in reverse order.**

Re-install blade support and button head screws.  
 Cycle tool by pitching off bottom hose of tool so  
 cutter knife is in the down position.  
 Install and tighten set screw.

**To replace cutter knife:**

Remove cutter blade as described on page 4.



To remove cutter knife pin, push out with a piece of  
 wire. If pin does not line-up with access hole,  
 momentarily pressurize tool. Cutter knife must be in  
 its uppermost position.

Remove three mounting screws and dimple  
 clip.

**Note Special length mounting screws, on  
 Tie-Lok version. Replace with Band-It part  
 number I13687 only. On Junior and Ultra-  
 Lok tools, the part number is I17687. On  
 these tools, only two screws are used to keep  
 cutter knife in place.**

Replacement Cutter Knife Part Numbers		
Tie-Lok	Junior	Ultra-Lok
I10687	I13287	I14687



**Re-install all parts in reverse order.  
 When installing fasteners, the use of thread  
 locking compound is recommended.**

Once pin is removed, grasp cutter knife with a pair  
 of needle-nose pliers and pull out of tool head.

### Tool fails to tension clamp:

- Check tension setting on controller module (right hand gauge). If tension is set higher than recommended on page 1, lower it by turning tension regulator on controller module clockwise.
- If lowering tension on controller module has no effect on the clamp, check location of quick disconnect couplings on controller module, tool and coiled hose assembly as follows:
  - On controller module, male coupling is on the right hand side, female on the left.
  - On tool, male coupling is on top, female on bottom.

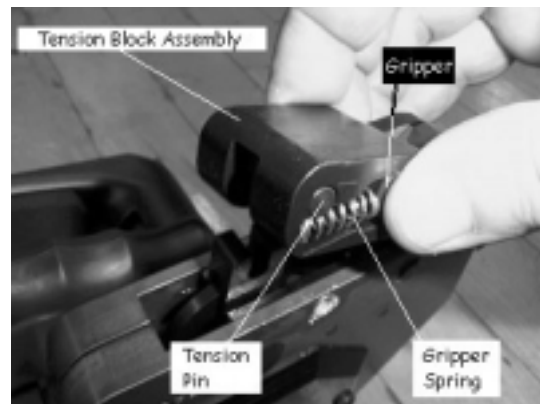


On coiled hose, when one hose end is plugged into the other, the hose marked with a rib should form a closed circuit, as shown. If couplings are reversed, they must be removed on one end, and installed on correct hose ends as shown.

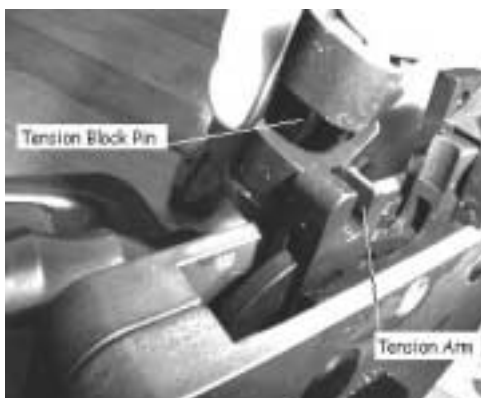
- If gripper slips consistently on clamp tail, replace gripper block assembly as shown:



Remove two mounting screws (5/32" and 9/64" hex key) and maintenance covers on both sides.



Remove tension block assembly, and replace with new one. Replacement Band-It part number I10190 assembly, includes gripper, tension block, springs and tension pin..



When installing tension block assembly, be sure to line-up flats on tension block pin with notch on tension arm, to correctly engage. Re-install maintenance covers.