

A35199, A35599

Pneumatic tool

Operation Instructions



**Original document
(not a translation)**

**U.S. Patent No.
11034472**

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Safety Guidelines

DANGER—Misuse of this tool may result in injury to personnel.

- Only use the equipment for its intended purpose, as described in this manual
- Please read this entire manual before unpacking, setting up or operating this device.



Pay attention to all danger and caution statements. Failure to do so could result in serious injury to the operator or other personnel, or damage to the equipment.

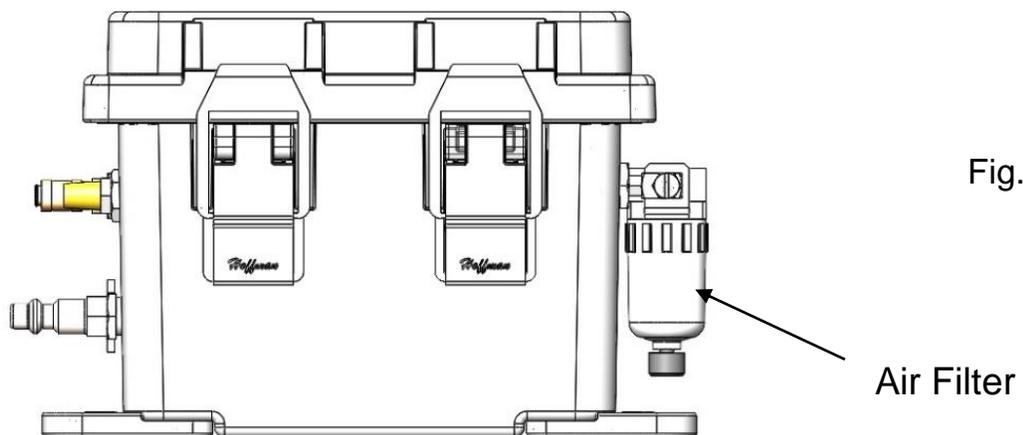
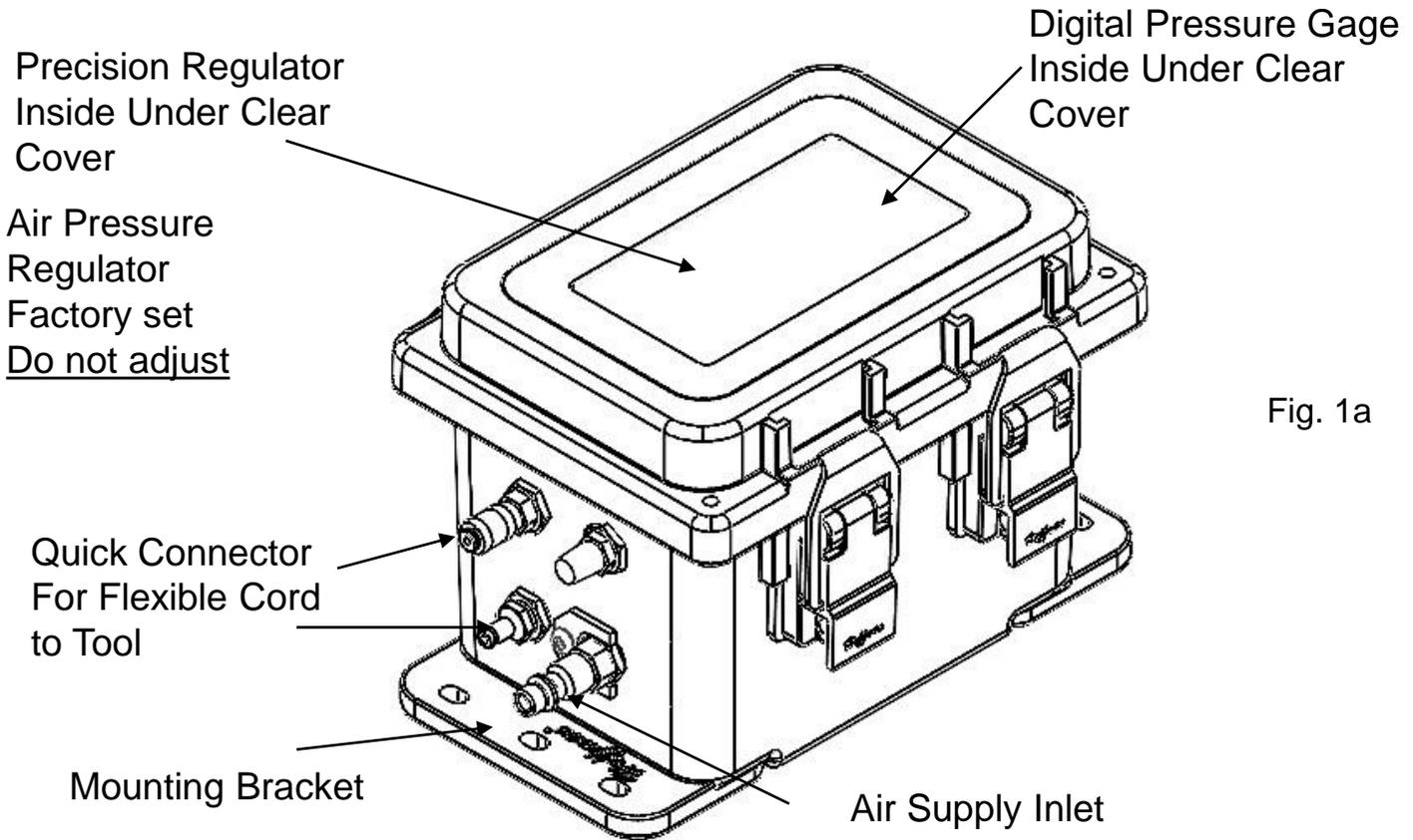
CAUTION

- Protective eyewear should be worn when connecting and disconnecting the tool to compressed air sources and during operation.
- Wear appropriate gloves for handling steel while operating this tool, applying stainless steel clamps and removing scrap clamp tail.
- Clamp tensioning can be immediately stopped by releasing the tool trigger system.
- When applying clamps, care should be taken to ensure fingers and loose clothing are not in the way of the clamp being applied.
- Never attempt to clamp objects which have a potential to burst, shatter or otherwise cause bodily harm.
- Disconnect air supply prior to maintenance and disassembly of tool components.
- Liquids or lubricants should never be put into the air lines.
- Risk of pinch point:
Located at **tool head and interface** during tension cycle



It is the task of the employer to warn his or her staff of risks, to train them on prevention of accidents, and to provide necessary safety equipment and devices for the operator's safety. Before starting to work with the device, the operator should check the features of the device and learn all details of the device's operation. The device should only be operated by staff members who have read and understand the contents of this manual.

Overview: Air Regulator



Overview: Bench Top Mounting Hole Pattern

(for Air Regulator Box basket)

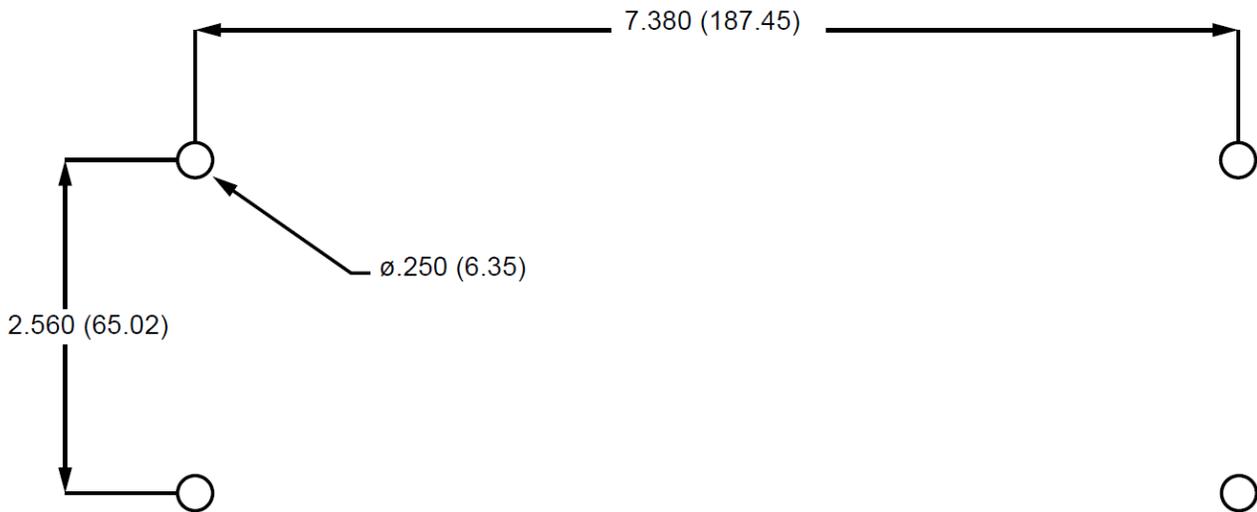


Fig. 2

Air Regulator Box Mounting

In a permanent installation, air regulator box should be bolted to a flat surface to allow flexible cord to be stretched without dragging air regulator box. Keep filter vertical to maximize the water and contaminant capability.

Overview: Tool Body

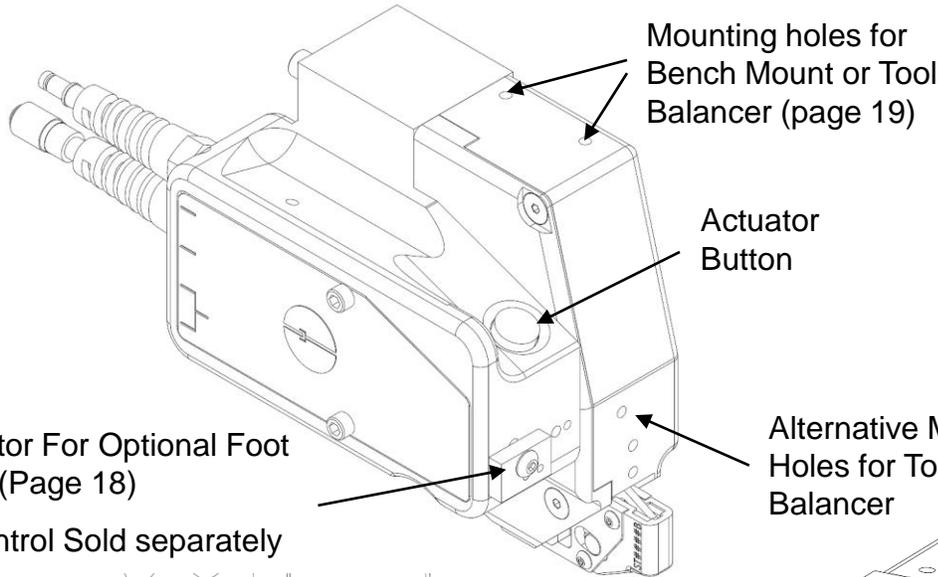


Fig. 3a

Foot control Sold separately

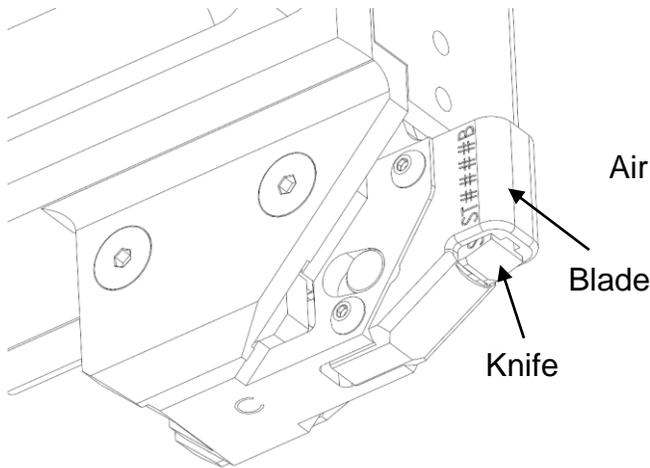
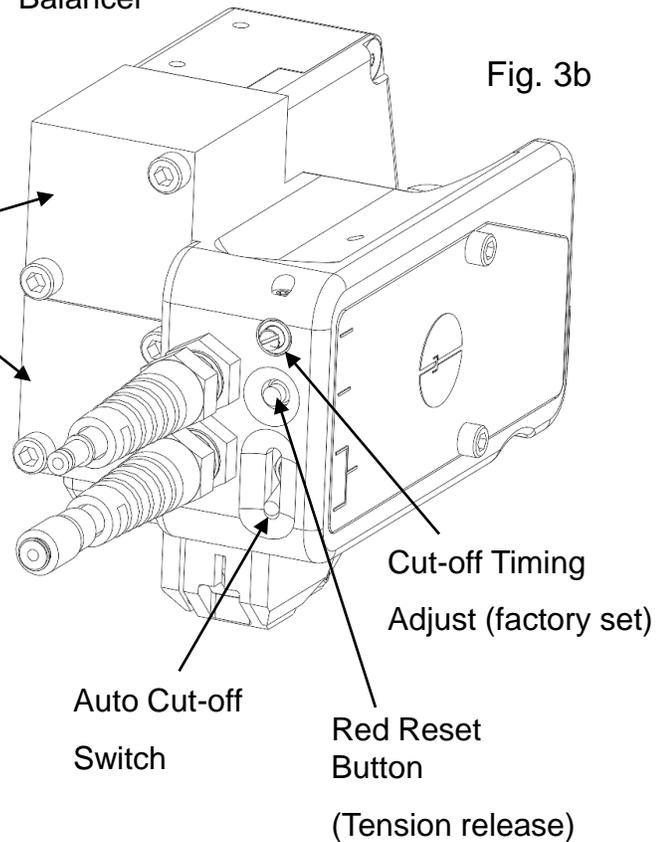


Fig. 3c



Important: Before disassembling tool, be sure to shut-off air supply on the Air Regulator Module.

Air Requirement

The A35199 and A35599 are pneumatic tools that need a clean and dry air supply. The BAND-IT Air Regulator Module includes a filter to meet these requirements. For proper tool performance, the air requirements at the inlet to the BAND-IT Air Regulator Module must be:

Item	Min	Max
Inlet Supply Pressure (PSI)	100	140
Inlet Supply Air Flow (SCFM)	1.5	
Particle Size In Air Supply (microns)		5
Air Moisture Content		20% RH

Table. 1

Air Filter Environment:

Standard Filters/Regulators incorporate polycarbonate bowls and/or observation windows. DO NOT use in an environment that will expose the above mentioned components to synthetic fluids, organic solvents, chemicals, cutting lubricants, thread lock solutions or similar materials.

Initial Tool Set-up

1. Connect tool and air regulator using coil hose.
2. All tools are factory set for nominal clamping conditions.
3. If required, adjust pressure by opening cover, loosen the 5/16 hex nut slightly under the adjustment knob.
4. Touch ON/OFF button on the digital gage to turn on readout. Readout will auto shutoff after 20 minutes
5. Adjust the regulator while reading the digital pressure gage to achieve the correct psi, Turn Clockwise to increase pressure, counterclockwise to reduce air pressure.

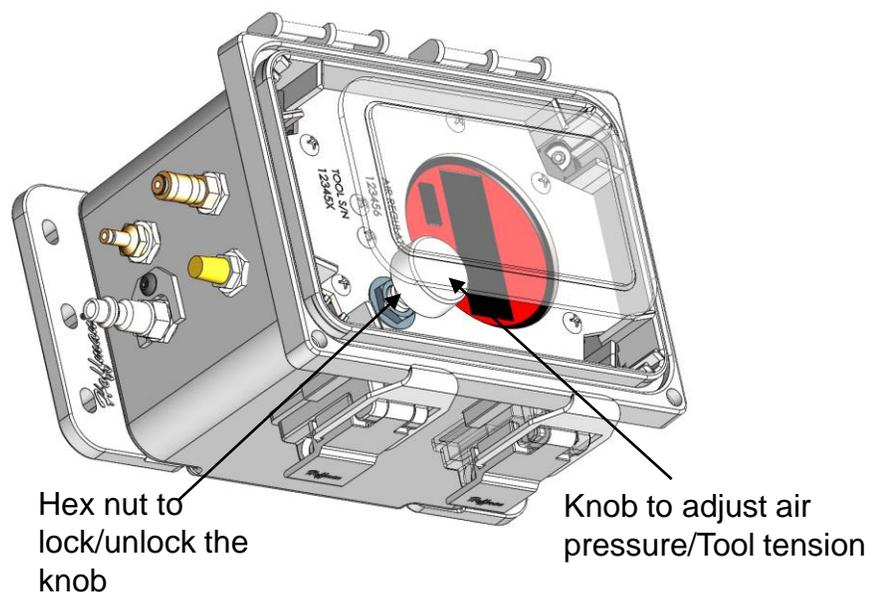
(The following set-up is for reference only)

- Micro 1/8 inch band, 23 psi, 80 pound pull.
 - Standard 1/4 inch band, 44 psi, 150 pound pull.
6. The digital gauge on the top of the controller box MUST indicate the proper pressure for the type of tool and band used.
 7. Lock the adjustment shaft by tightening the 5/16 nut under the adjustment knob.

CAUTION:

1. **DO NOT ADJUST THE REGULATOR IN THE REGULATOR BOX TO MORE THAN 100 PSI, IT WILL DAMAGE THE TOOL.**
2. **Do not over tighten the 5/16 hex locking collar for the regulator shaft, damage may occur.**
3. **Under tensioned clamps result in loose assemblies. Excessive tension may damage clamp or object cause injuries or property damage.**

Fig. 4



Operation Instruction

1. Insert band tail through the tool nose opening, making sure that clamp circle is directed away from the tool body as shown.

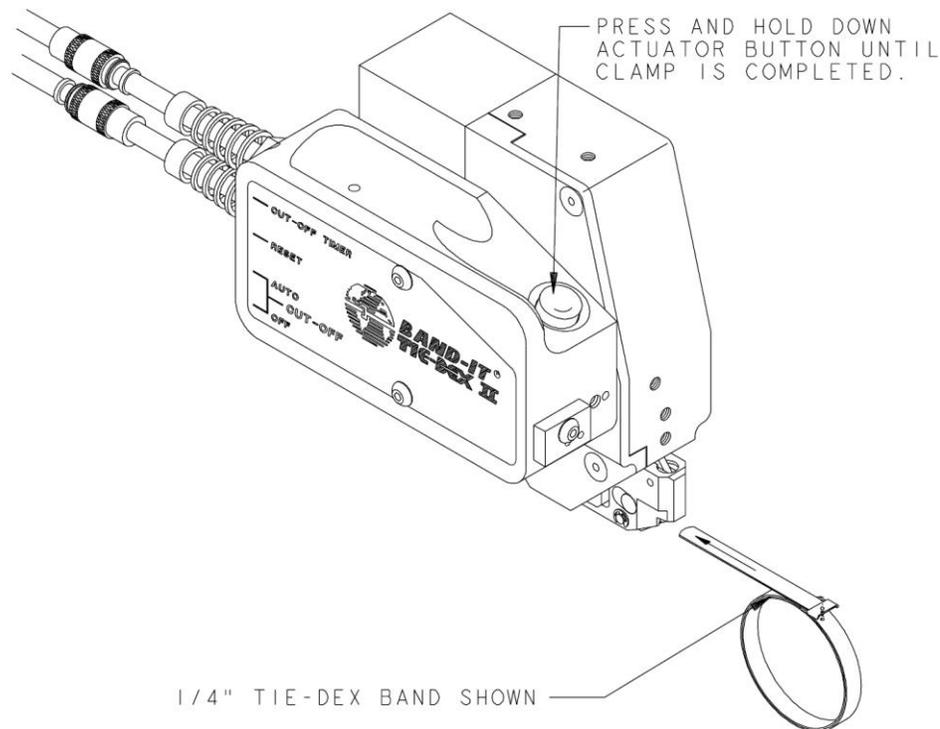


Fig. 5

2. To tension the band, press and hold down actuator button. Always install bands perpendicular to the axis of the object to be clamped. Do not force tool sideways or in any other direction when band tail is under tension or during cut-off. Doing so, may damage clamp and/or tool.
3. The Pneumatic tool will automatically cut the band once the desired tension has been reached. If no cut-off occurs, check to make sure the automatic cut-off switch has been turned "on" (the silver switch on the back side of the handle should point toward the red reset button). If the switch is pointing in the wrong direction, flip it to the "auto" position and the tool will cut off the band. If cut-off stalls, turn switch off and immediately on again while holding down actuator button. This may have to be done only once with the first band, after tool has been pressurized.
4. Immediately after cut-off, release actuator button and remove the excess band.

A35199 Standard Pneumatic Tool

1. Be sure to read tool instructions (Page 4 to 9) and safety guides (page 3) before using tool.
2. Tool is factory calibrated to 150 ±5 lbs tension. (REF. ~ 44 psi on air pressure gage). For accurate tension setting, calibration device must be used (part number: E1000). For calibration procedure see Page 16 & 17. Calibration with device will ensure proper tension setting.
3. A35199 pneumatic tool used only on 0.240" wide BAND-IT Tie-Dex Standard Bands. Note: 0.250" wide bands can not be inserted into tool.
4. Condition of locking lip should be visually inspected on completed clamps. If lip appears partially torn, damaged or not present at all, check tool tension and condition of blade and knife. Make necessary adjustments and repairs. Be sure to remove and replace faulty clamps.

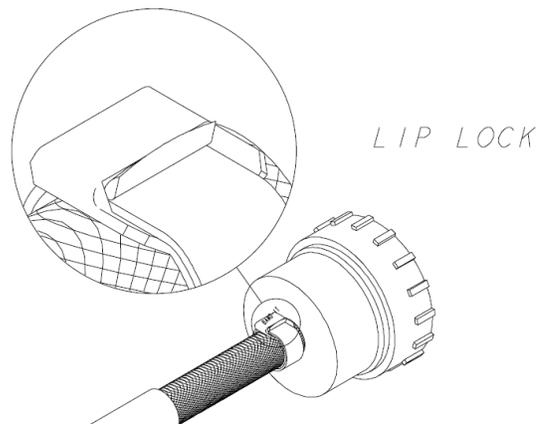


Fig. 6

Warning:

For A35199 tool, adjusting tension above 160 lbf may damage tool or tie (or both).

Refer to website for warranty information:

<http://www.band-it-idex.com/warranty.html>

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A35599 Micro Pneumatic Tool

1. Be sure to read tool instructions (Page 4 to 9) and safety guides (page 3) before using tool.
2. Tool is factory calibrated to 80 ±5 lbs tension. (REF. ~ 23 psi on air pressure gage). For accurate tension setting, calibration device must be used (part number: E1000). For calibration procedure see Page 16 & 17. Calibration with device will ensure proper tension setting.
3. A35599 pneumatic tool used only on 0.120" wide BAND-IT Tie-Dex Micro Bands.
4. Condition of locking lip should be visually inspected on completed clamps. If lip appears partially torn, damaged or not present at all, check tool tension and condition of blade and knife. Make necessary adjustments and repairs. Be sure to remove and replace faulty clamps.

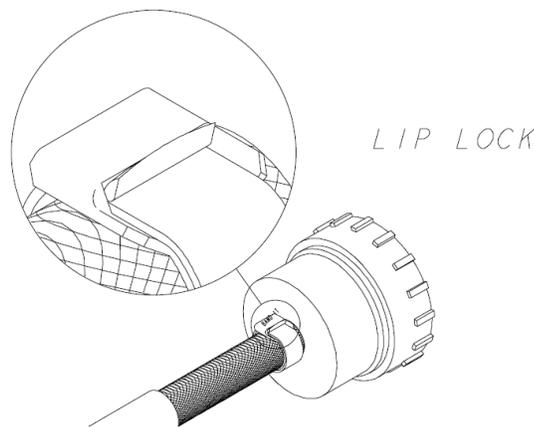


Fig. 7

Warning:

For A35599 tool, adjusting tension above 90 lbf may damage tool or tie (or both).

Refer to website for warranty information:

<http://www.band-it-idex.com/warranty.html>

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Maintenance

Release water accumulated in filter on air regulator box:

1. Disconnect air pressure.
2. Place a small cup under the filter.
3. Push in the valve at the base of the filter.

Clean/replace filter element:

1. Disconnect air supply
2. Rotate filter up and unscrew clear plastic housing.
3. Unscrew filter element and clean/replace gold colored element.
4. Replacement (if necessary) must be a 5 micron filtering element, available from BAND-IT (Part# A39987)

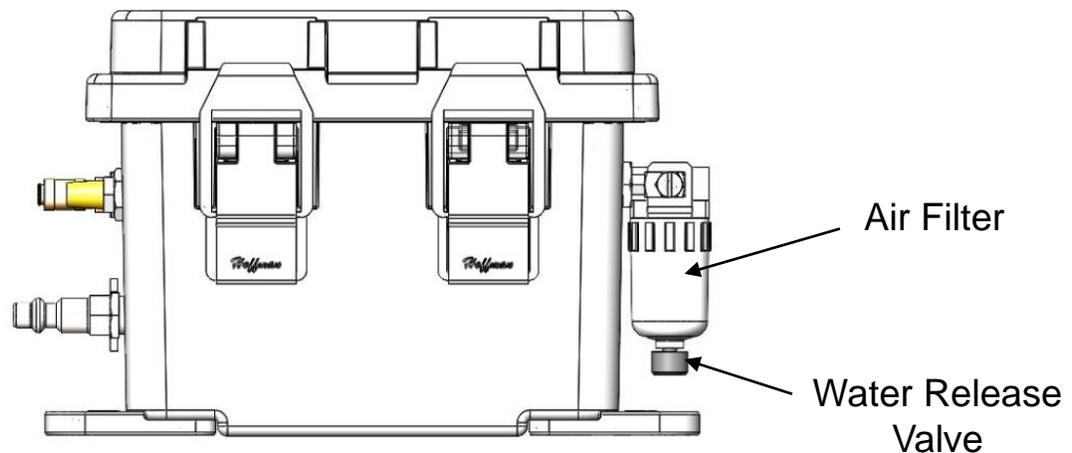


Fig. 8

Maintenance

Adjust Cut-off Timer:

1. Do not alter factory setting, unless necessary.
2. A small copper screw found on the back of the tool handle (above the reset button) adjusts the cut-off timing. (Fig. 8)
3. Using a small, standard screwdriver, turn the screw clockwise to increase the cut-off delay, and counter-clockwise to decrease the cut-off delay. Adjusting cut-off delay timing too short will result in premature cut-off, and a loose clamp. The moment cut-off is actuated, the pressure gauge shows the correct tension setting

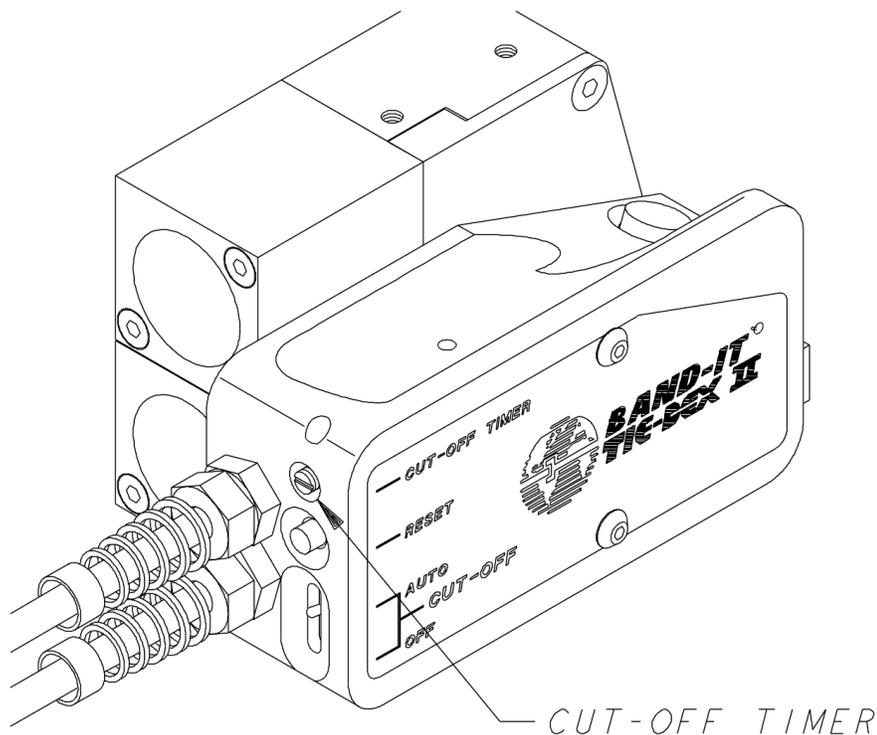


Fig. 9

Replacement Parts

Production tools will experience wear of specific parts. Preventive maintenance, including regular cleaning and lubrication, will reduce the replacement frequency of these parts.

To maximize life, use synthetic gel lubricant containing Teflon, apply sparingly.

Tool Model	Blade and Knife Kit Part#	Blade Part#	Knife Part#
A35199 Standard	601-330	603-001	603-402
A35599 Micro	601-329	603-201	603-202

Table. 2

For all other parts replacement, or repair issues, please contact your sales representative for more information

Refer to website for warranty information:
<http://www.band-it-idex.com/warranty.html>

Tool Calibration Operation Instructions:

1. Do not adjust tools outside their tension range.
2. Cut-off switch must be turned off prior to calibration.
3. Attach proper tool adapter (Table 3) to Calibration Device (E1000) using screws and hex key provided as shown below.
4. Insert Test Band into Calibration Device through the adapter slot while pull the Hold Down Lever on the Calibration Device forward, (Fig. 10a) until it stops.
5. Insert free end of test band into tool. Be sure to keep tool and calibration device aligned straight. Tool head must be inserted into adapter properly.



Fig. 11a

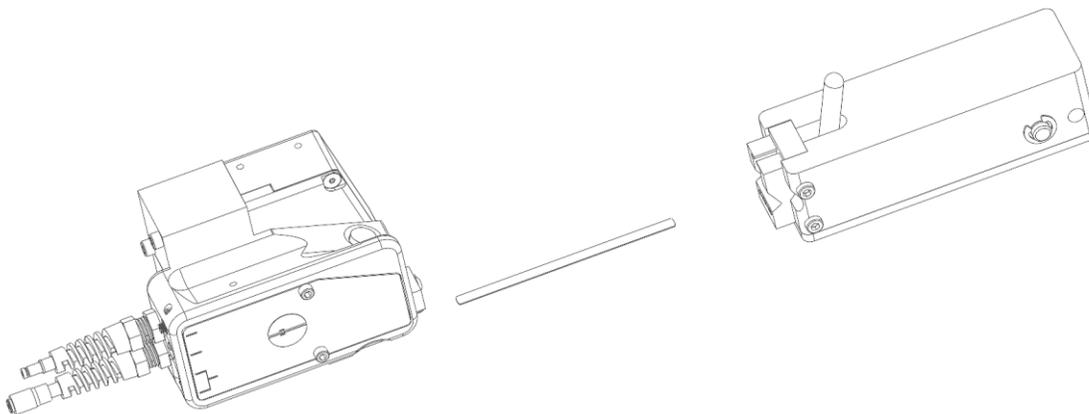


Fig. 11b

Tool Calibration Operation Instructions:

6. Press and hold Actuator Button down to apply tension to test band. Meter will display the tool tension in pounds. Adjust the tool tension by adjusting the air pressure via. the Air Regulator Adjust Knob. (See Page 8 for air pressure adjustment)
7. To release tool from calibration device, press red reset button on back of tool handle.
8. Use a new test band, for each tension test.

Tool #	Test Band P/N	Adapter P/N	Tool Tension (+/- 5 lbf)
A35199 Standard	A50599	E514	150
A35599 Micro	A50699	E531	80

Table 3

Please Contact Your Sales Representative for more information

Foot Control/ Bench Mount Kit (A37099, Optional)

1. Disconnect tool from air supply
2. Mount bracket to tool as shown
3. Remove air block from handle and store using second set of mounting holes.
4. Attach foot control connector using button head screw.
5. Mount bracket to top surface of tool using 2 socket head screws. Use smaller holes in bracket.
6. Mount other leg of bracket to bench using larger holes.
7. Adjust angle of tool to desired position and tighten bolt between

Fig. 12a

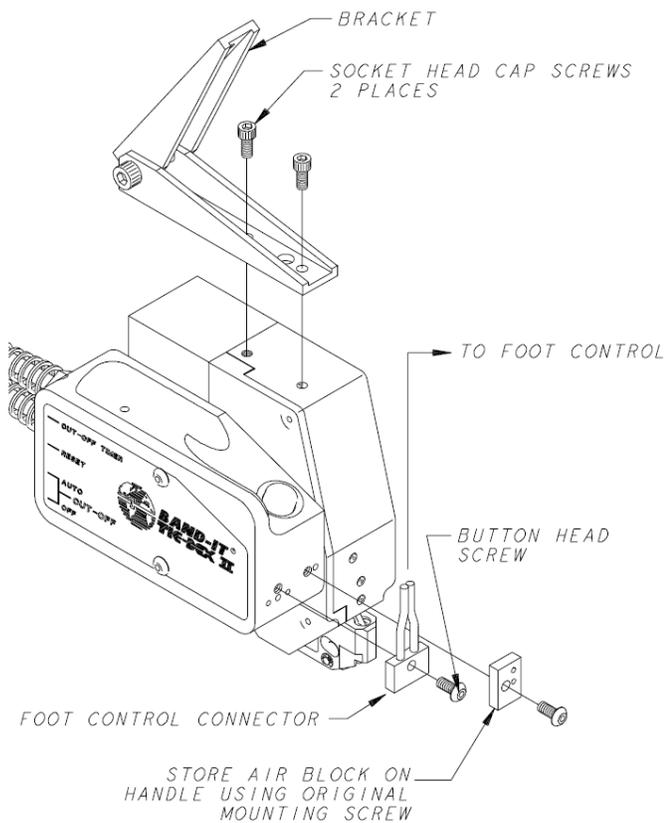


Fig. 12b



UNDER BENCH
BRACKET MUST BE REVERSED FOR THIS SET-UP.
IF CONTROLLER BOX IS MOUNTED TO EDGE OF WORK BENCH,
THIS CONFIGURATION WILL LEAVE TOP OF BENCH SPACE FREE.
PLACE WASTE CONTAINER UNDER TOOL TO COLLECT EXCESS
BAND.

Please Contact Your Sales Representative for more information

Tool Balancer Hook Installation

1. If the use of a tool balancer is desired, install tool balancer hook (included with the tool) set balancer to approximately 2.5 lbs balance weight
2. Balancer hook can be used with tool locator installed. Choose the most convenient accessory mounting hole located on tool body.
3. Be sure that lock nut is no more than .20" Away from tip of thread to prevent interference with internal components

