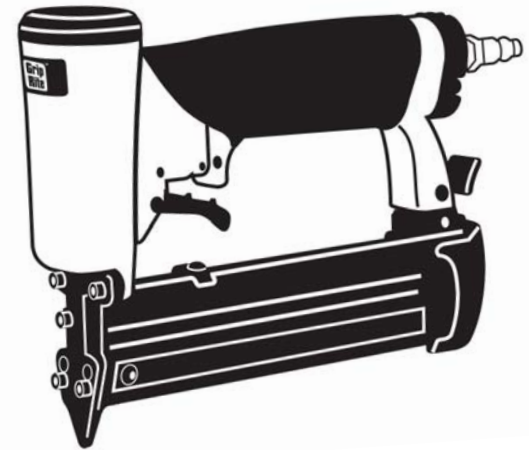


# OPERATOR'S MANUAL AND PARTS LIST MODEL GRTPIN23 PIN NAILER



Distributed By

**PRIME**SOURCE<sup>®</sup>  
BUILDING PRODUCTS, INC.

*An Itochu Company*

[www.grip-rite.com](http://www.grip-rite.com)

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**IMPORTANT SAFETY INFORMATION**

You must read this entire manual and familiarize yourself with all safety, operating, and service instructions before loading, handling, or using your tool. When used correctly, pneumatic fastening tools provide a lightweight, powerful, and safe means of fastening. Used improperly, these tools can cause serious injury to you and those around you.

**SPECIFICATIONS**

<b>MODEL</b>	<b>G RTPIN23</b>
<b>FASTENER RANGE</b>	1/2" - 1-3/16" (12 mm - 30 mm)
<b>FASTENER TYPE</b>	23 Ga. Headless Pin
<b>FASTENER ANGLE</b>	Straight
<b>MAGAZINE CAPACITY</b>	140 Pins
<b>MAX AIR PRESSURE</b>	100 psi (6.9 bar)
<b>MIN AIR PRESSURE</b>	70 psi (4.9 bar)
<b>TOOL WEIGHT</b>	2.15 lbs. (.98 kg)
<b>TOOL LENGTH</b>	8.75" (222.3 mm)
<b>TOOL HEIGHT</b>	6.69" (170 mm)
<b>TOOL WIDTH</b>	1.81" (56 mm)
<b>TRIGGER TYPE</b>	Non-restrictive
<b>AIR CONNECTION</b>	Male Quick Connect Coupler
<b>LUBRICATION</b>	10W Air Tool Oil (Provided)

**NOISE CHARACTERISTIC VALUES IN ACCORDANCE WITH ISO 3774, ISO 11201:**

A-weighted single-event sound pressure level at operator's position -----	<b>LpA, 1s = 86 dBA</b>
A-weighted single-event sound power level -----	<b>LwA, 1s = 93 dBA</b>
A-weighted single-event surface sound pressure level -----	<b>LpA, 1s = 80 dBA</b>

**VIBRATION CHARACTERISTIC VALUES IN ACCORDANCE WITH ISO 8862-1**

Weighted root mean square acceleration ----- = 1.2 m/s<sup>2</sup>

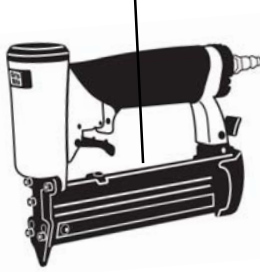
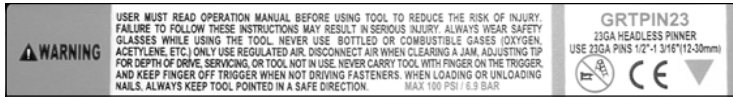
*For best results, use only Grip-Rite™ collated fasteners.*

<b>FASTENER SELECTION CHART</b>		
<b>SIZE</b>	<b>QTY</b>	<b>SKU</b>
1/2 x 23 Ga. (12 mm)	3M	GR12PIN
5/8 x 23 Ga. (16 mm)	3M	GR58PIN
3/4 x 23 Ga. (19 mm)	3M	GR34PIN
1" x 23 Ga. (25 mm)	3M	GR1PIN
1-3/16" x 23 Ga. (30 mm)	3M	GR1316PIN
ASSORTED x 23 Ga.	3M	GRMIXPIN

# SAFETY

## SAFETY LABELS

This pneumatic fastening tool includes a warning label to help remind you of important safety information when operating the tool. The safety label must be legible at all times, and must be replaced if it becomes worn or damaged.



## SAFETY SYMBOLS

These safety symbols provide a visual reminder of basic safety rules, and the personal injury hazard that may arise if all safety and operating instructions are not followed. Make sure you understand the meaning of each of these symbols, and protect yourself and others by obeying all safety and operating instructions.

SYMBOL	DESCRIPTION
	<b>READ THE MANUAL</b> - The manual contains important safety and operating instructions that must be followed. All tool users must read the manual before using the tool.
	<b>WEAR SAFETY GLASSES</b> - Tool operator and bystanders must wear safety glasses with side shield that meet ANSI Z87.1 requirements.
	<b>RISK OF PERSONAL INJURY</b> - Failure to follow all safety and operating instructions, or misuse of the tool, can result in serious injury to tool operator and bystanders.

# SAFETY

## SAFETY INSTRUCTIONS



### WEAR SAFETY GLASSES

Always wear safety glasses with side shields that meet ANSI Z87.1 requirements when operating the tool. Make sure all others in work area wear safety glasses.



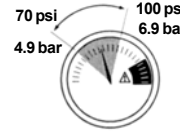
### WEAR HEARING PROTECTION

Wear hearing protection to protect your hearing from noise. Prolonged exposure to loud noise can result in hearing loss.



### NEVER OPERATE THE TOOL WITH OXYGEN OR OTHER BOTTLED GASES

Oxygen and other reactive or high-pressure bottled gases can cause the tool to explode. Use clean, dry regulated compressed air from a properly operating air compressor.



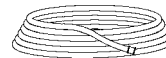
### DO NOT EXCEED MAXIMUM RECOMMENDED OPERATING AIR PRESSURE OF 100 PSI / 6.9 Bar.

Exceeding the maximum recommended air pressure can cause the tool housing to burst, or cause premature failure of components.



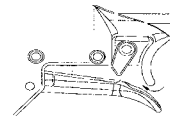
### NEVER CONNECT THE TOOL TO AN AIR SUPPLY THAT HAS THE POTENTIAL TO EXCEED 180 PSI/12.4 Bar.

Using a regulated air supply with a line or tank pressure greater than 180 psi can cause the tool to burst if the air line regulator fails suddenly.



### USE AN AIR HOSE RATED FOR 180 PSI/12.4 Bar OR GREATER

Always use air hose rated to handle 180 psi or the maximum potential pressure of the air supply.



### ALWAYS KEEP THE TRIGGER SAFETY LEVER IN THE FORWARD "SAFE" POSITION UNTIL TOOL IS IN DRIVING POSITION AND YOU ARE READY TO DRIVE A FASTENER.

When driving is completed, or before reloading, move the trigger safety lever forward to "SAFE" position.

### DO NOT ATTEMPT TO OPERATE THE TOOL IF THE TOOL'S OPERATING CONTROLS HAVE BEEN MODIFIED OR ARE NOT WORKING PROPERLY.

Attempting to use a tool with modified or malfunctioning trigger or safety lever can result in a fastener being driven unintentionally.

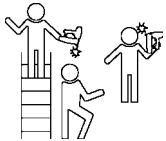
## SAFETY INSTRUCTIONS

**USE CORRECT FASTENERS**

Only use the correct fastener for the tool. Using fasteners with incorrect specifications can jam the tool or cause serious injuries.

**USE THE CORRECT FASTENERS FOR THE APPLICATION.**

Using the wrong fasteners can cause the workpiece to split and allow the fastener to fly free.

**KEEP TOOL POINTED IN A SAFE DIRECTION WHEN LOADING FASTENERS.**

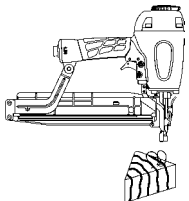
Never point the tool at yourself or anyone else when loading fasteners.

**DO NOT LOAD TOOL WITH TRIGGER DEPRESSED.**

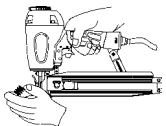
Depressing the trigger during loading can result in an unintentional fastener drive.

**KEEP FINGER OFF TRIGGER UNTIL TOOL IS IN POSITION TO DRIVE A FASTENER.**

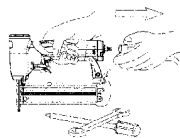
An unexpected bump or sudden contact with your body or that of a bystander can result in serious injuries.

**AVOID DRIVING FASTENERS INTO KNOTS, ON TOP OF OTHER FASTENERS, AT WORKPIECE EDGES, OR INTO BRITTLE MATERIALS.**

Driving fasteners into extremely hard materials, or driving into workpiece edges, can cause fasteners to deflect away from the workpiece. Flying fasteners can cause serious injuries.

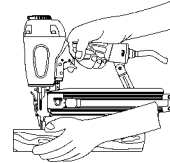
**DO NOT MODIFY TOOL**

Modifications can cause a tool to be unsafe and can cause the tool to operate improperly.

**ONLY USE A RELIEVING-TYPE AIR COUPLING IN THE TOOL AIR INLET OPENING.**

Use of a non-relieving air coupling on the tool can trap air inside the tool housing, and allow the tool to drive a fastener even after the air hose has been disconnected.

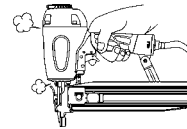
## SAFETY INSTRUCTIONS

**KEEP HANDS AND BODY PARTS AWAY FROM AREA BEING FASTENED.**

Fasteners can deflect and turn as they are being driven into the workpiece, and penetrate fingers, hands, and other body parts that may be in the fastening area.

**DO NOT OVERREACH OR WORK WHILE ON UNSTABLE FOOTING**

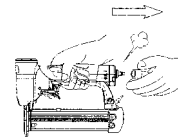
If you lose your balance while fastening, you could drive a fastener into yourself or a bystander.

**DO NOT USE TOOL IF TOOL MALFUNCTIONS OR BEGINS LEAKING AIR.**

Operating a malfunctioning tool can result in an unexpected fastener discharge and injury to yourself or others.

**DISCONNECT THE TOOL FROM THE AIR SUPPLY TO RELOAD, CLEAR JAMS, OR PERFORM MAINTENANCE.**

Never attempt to reload a tool, clear a jam, or perform maintenance without first disconnecting the air supply.

**NEVER LEAVE A LOADED, PRESSURIZED TOOL UNATTENDED**

A loaded, pressurized tool could be picked up or handled by someone who is unfamiliar with the tool or that has not read the tool manual.

**KEEP TOOLS OUT OF THE REACH OF CHILDREN**

Place the tool back in the tool box after use, and store the tool out of reach.

## DESCRIPTION

### TOOL PARTS



## DESCRIPTION

### PART DESCRIPTIONS

1. **Tool Housing** - Compact tool housing reduces tool weight.
2. **Cushioned Grip** - Cushioned handgrip reduces fatigue and provides comfortable operation.
3. **Air Coupling** - Quick-disconnect male coupling allows quick connection to air hose.
4. **Rear Exhaust** - Protects work surface by directing tool exhaust away from work.
5. **Magazine Release** - Opens fastener magazine for quick reloading of fasteners.
6. **Trigger Safety Lever** - Easy, fingertip operation allows operator to select position without releasing grip. Prevents tool from being actuated until operator is ready to drive fasteners.
7. **Non-Restrictive Trigger** - Trigger-fire design allows operator to have unobstructed view of work piece at tool nose. Gives operator precise control over fastener placement.
8. **Slide-Open, Side-Load Magazine** - Allows rapid loading of fastener strips and holds fasteners securely. Spring-loaded pusher retracts when magazine is opened, and provides positive fastener feeding in all tool positions.
9. **Fastener Reload Indicator** - Direct view of fastener track Indicates when it is time to reload. Helps prevents marring of work caused by blank firing.
10. **Removeable Nose Door** - Allows fast, easy clearing of fastener jams.
11. **Safety Warning Label** - Provides important safety reminders that must be followed whenever handling, operating, or servicing the tool.

**Metric Hex Wrenches** - Included with tool to allow tightening of metric screws. Keep tools in tool case for nose door removal and periodic tightening of screws.

**Air Tool Oil** - Lightweight oil formulated for use in air tools provides proper lubrication to o-rings and internal parts.

**Safety Goggles** - Provide required eye protection

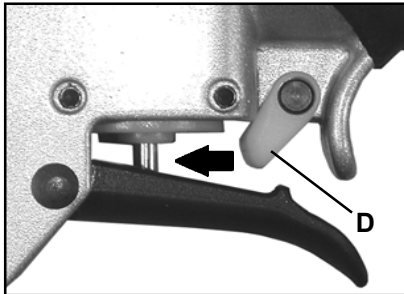
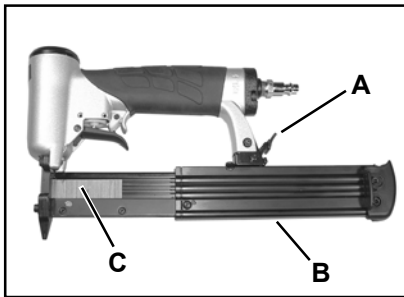
## LOADING FASTENERS

### LOADING INSTRUCTIONS

#### DANGER

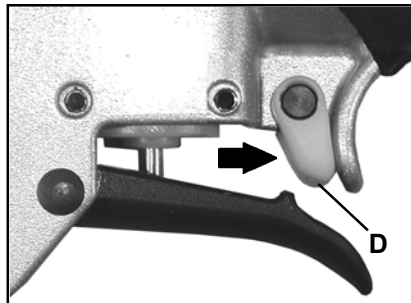
A fastener can be driven unintentionally if the trigger is depressed while the safety lever is in the operating position. Always disconnect tool from air supply before loading fasteners, making adjustments, or performing any service on tool. Always keep safety lever in "safe" position and finger off trigger until ready to drive a fastener.

1. Disconnect tool from air supply using quick-connect coupling.
2. Depress magazine latch (A), and pull magazine cover (B) back until cover is fully open.
3. Insert fastener strips (C), placing points down. Fastener points must be placed into track at bottom of magazine for proper feeding and driving.
4. Slide magazine cover closed. Magazine must click into latched position.
5. Move trigger safety lever (D) forward to "safe" position to prevent trigger from actuating tool when depressed.
6. Tool is now loaded and ready to be connected to an air supply for operation.

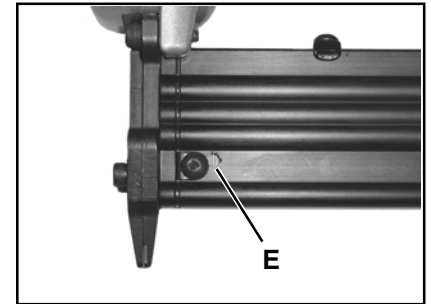
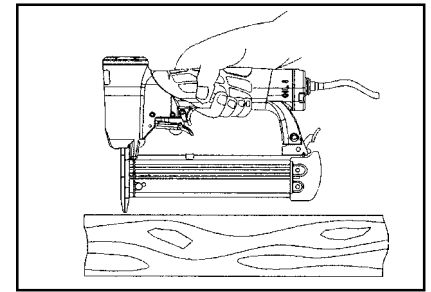


### TOOL OPERATION

1. Connect tool to air supply using quick-connect coupling.
2. Position tool over work surface, and move trigger safety lever (D) backward to permit trigger to actuate tool when depressed.

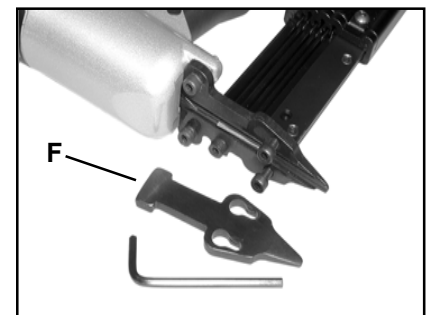
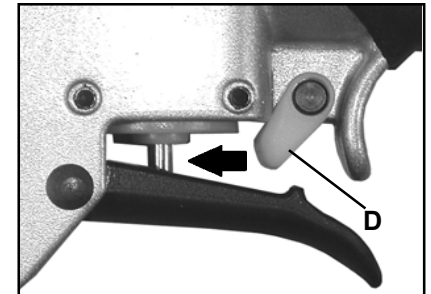


3. Place nose of tool against workpiece, positioning nose for desired fastener driving position.
4. Depress trigger to drive a fastener, and release trigger. Lift tool from workpiece.
5. Repeat steps 3 & 4 for each fastener to be driven. Adjust air pressure as needed to provide consistent fastener drive. Check reload indicator window (E) periodically to make sure tool doesn't run out of fasteners.
6. Move trigger safety lever (D) forward to "safe" position after desired fasteners have been driven, or before reloading.
7. Disconnect tool from air supply when done fastening.

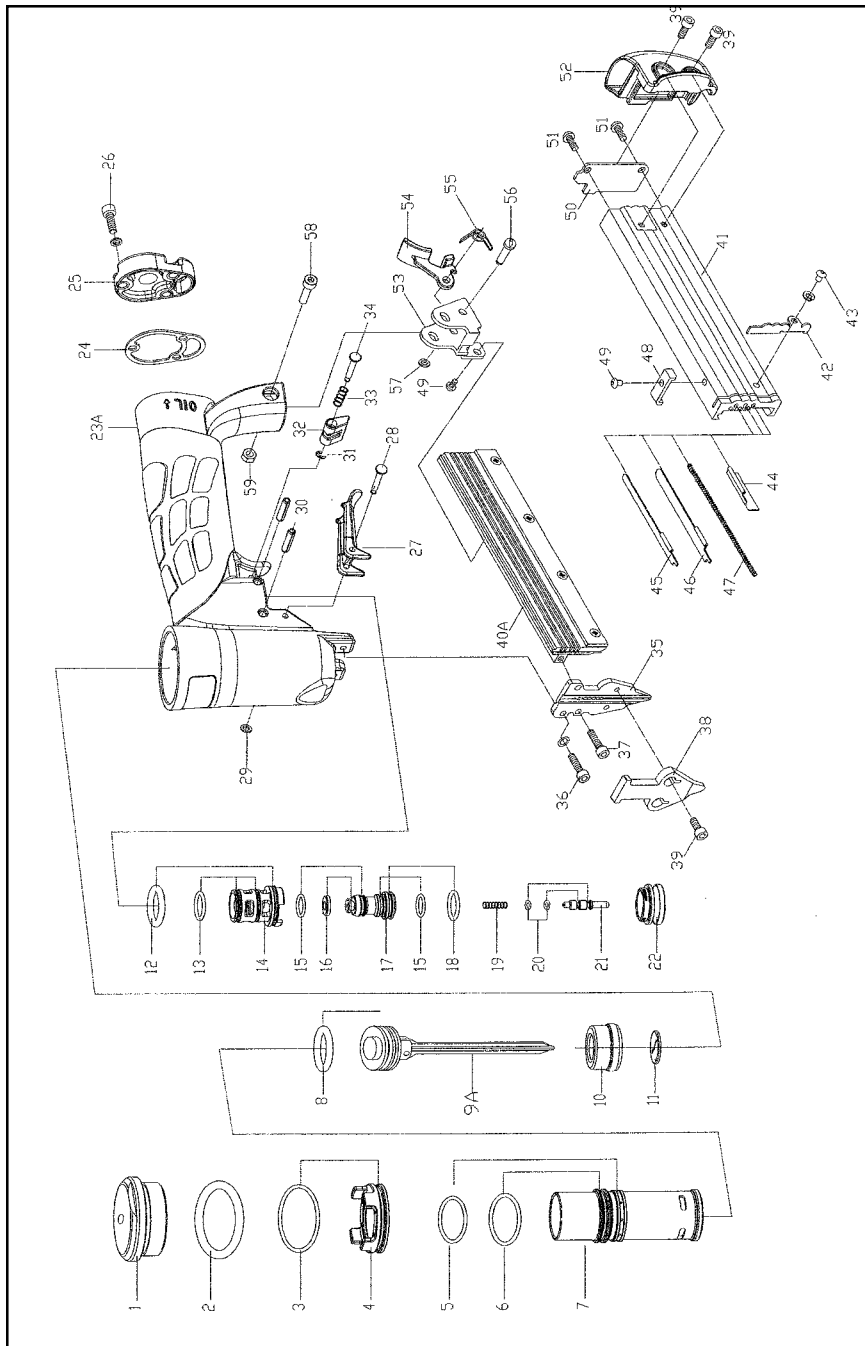


### CLEARING JAMS

1. Disconnect tool from air supply using quick-connect coupling.
2. Move trigger safety lever (D) forward to "safe" position to prevent trigger from actuating tool when depressed.
3. Depress magazine latch, and pull magazine cover back until cover is fully open.
4. Remove fastener strips.
5. Loosen nose door plate (F) mounting screws, and slide nose plate down and off nose.
6. Remove jammed fastener.
7. Replace nose plate, and secure with screws.
8. Reload fasteners, and close magazine cover.
9. Tool is now loaded and ready to be connected to air supply.



# GRTPIN23 PARTS SCHEMATIC



# GRTPIN23 PARTS LIST

ITEM	P/N	DESCRIPTION	ITEM	P/N	DESCRIPTION
1	GRTN4700	Cap	31	GRTN5030	E-Ring
2	GRTN5000	O-Ring	32	GRTN4520	Safety Lever
3	GRTN4970	O-Ring	33	GRTN4510	Safety Spring
4	GRTN4570	Cylinder Seal	34	GRTN4500	Safety Pin
5	GRTN4960	O-Ring	35	GRTN4740	Nose
6	GRTN5010	O-Ring	36	GRTN4870	Hex. Soc. Hd. Bolt
7	GRTN4580	Cylinder	37	GRTN1880	Hex. Soc. Hd. Bolt
8	GRTN4990	O-Ring	38	GRTN4730	Door
9A	GRTN4710	Driver Assembly	39	GRTN1850	Hex. Soc. Hd. Bolt
10	GRTN4590	Bumper	40A	GRTN4750	Lower Magazine Assy.
11	GRTN4720	Driver Guide	41	GRTN4770	Upper Magazine
12	GRTN5020	O-Ring	42	GRTN4860	Stopper
13	GRTN4950	O-Ring	43	GRTN4900	Hex.Soc.Hd.Bolt
14	GRTN4630	Valve	44	GRTN4760	Pusher
15	GRTN4930	O-Ring	45	GRTN4830	Pusher
16	GRTN4680	Seal	46	GRTN4840	Pusher
17	GRTN4640	Valve Plunger	47	GRTN4780	Spring
18	GRTN4940	O-Ring	48	GRTN4850	Stopper
19	GRTN4490	Spring	49	GRTN4890	Hex.Soc.Hd.Bolt
20	GRTN4920	O-Ring	50	GRTN4810	Upper Magazine Cover
21	GRTN4650	Plunger	51	GRTN4910	Hex.Soc.Hd.Bolt
22	GRTN4660	Plunger Cap	52	GRTN4820	Upper Magazine Cover
23A	GRTN4600	Body Assembly	53	GRTN4800	Latch
24	GRTN4610	Gasket	54	GRTN4530	Latch
25	GRTN4620	End Cap	55	GRTN4790	Latch Spring
26	GRTN4880	Hex. Soc. Hd. Bolt	56	GRTN4690	Pin
27	GRTN4670	Trigger	57	GRTN4980	O-Ring
28	GRTN4540	Pin Trigger	58	GRTN4420	Hex.Soc.Hd.Bolt
29	GRTN2210	Grommet	59	GRTN2060	Locknut
30	GRTN2540	Spring Pin			

- A GRDAK1400 Driver Assembly Kit
- B GRRBK1400 Rebuild Kit
- C CASEPIN23 Tool Case
- D MANPIN23 Operators Manual

## MAINTENANCE

### DANGER

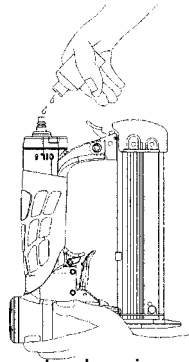
Always disconnect tool from air supply before performing any service on tool. Correcting a problem while the tool is pressurized may result in injury from fastener drive or tool operation.

## MAINTENANCE

Your tool will last longer and perform better if periodic maintenance is performed. Please use the information below to keep your tool operating in top condition.

### Lubrication

Disconnect tool from the air supply and remove all fasteners. Apply 3 - 5 drops of air tool oil (provided) in the air inlet two - three times a day. If the tool will be used outside in the winter, use a winter grade air tool oil to help keep frost from forming inside the tool. Do not use other types of lubricants on this tool, as other lubricants may contain chemicals harmful to o-rings and other tool components. Drain compressor tanks and hoses daily.



### Cleaning

Disconnect tool from the air supply. Brush tool off using a parts cleaning brush or clean rag. Check area around trigger and safety lever, and clean as necessary. Open magazine, remove all fasteners, and brush out grooves and fastener track. Remove nose plate, and blow out hard to reach areas in tool nose using low pressure compressed air.

## TOOL CHECKS

Keep your nailer in top working condition by checking it daily. See your Grip-Rite™ dealer for service if part or operating problems are found. Never use a malfunctioning tool - it could result in serious injury.

### Daily Inspection

- Check for broken, damaged, or excessively worn parts, and repair or replace as needed.
- Check for air leaks at trigger, cap, and nose. Disconnect tool from air supply immediately if leaks are present, and see dealer for service.
- Make sure all screws are tightened securely.

## TOOL TROUBLESHOOTING

### DANGER

Always disconnect tool from air supply before performing any service on tool. Correcting a problem while the tool is pressurized may result in injury from fastener drive or tool operation.

Your pneumatic fastening tool has been designed for long life and trouble-free operation. However, if operating problems arise, please use the troubleshooting information below to determine how to remedy the problem.

### FASTENER DRIVING PROBLEMS

PROBLEM	CORRECTIVE ACTION
Fasteners do not drive completely.	Increase air pressure. Do not exceed 100 psi. Add 2 - 3 drops of air tool oil to inlet.
Fasteners do not drive completely after air pressure is increased.	Driver blade worn or broken. See dealer for replacement.
Tool leaks air.	Check for source of leak, and tighten fittings and screws as required. Discontinue using tool if air leaks after tightening. Contact your dealer for service.
Tool operates, but no fastener is driven.	Check fasteners for smooth feeding in magazine. Check magazine for obstructions or debris, and clean as required.
Fasteners drive too deeply.	Reduce air pressure. (Do not reduce air pressure below 70 psi.)
Fasteners do not drive completely when driving in quick succession.	Inadequate air flow. Use larger diameter hose. Use compressor with larger storage tank. Keep hose lines short. Check air hose for kinks or other restrictions.



**PNEUMATIC TOOL/COMPRESSOR WARRANTY**

Pneumatic nailers, staplers & compressors marketed under the **GRIP RITE™** brand are warranted to be free from defects in workmanship & materials (except rubber o-rings, bumpers, seals, driver blades, dipsticks, & air filters) for a period of one year from the date of original purchase.

This warranty will not apply when:

- The original receipt (or copy of the original receipt), showing the original purchase date, is not provided with tools/compressors sent in for warranty repair
- The tool/compressor has been misused, abused or improperly maintained
- Alterations have been made to the original tool/compressor
- Repairs have been attempted/made to the original tool/compressor by any entity other than a proprietary **GRIP-RITE®** service/warranty center or authorized service/warranty center
- Non-**GRIP-RITE TOOLS™ / GRIP-RITE COMPRESSORS™** parts have been used
- The tool has suffered any physical damage due to the use of non-**GRIP-RITE®** approved fasteners\*
- Repairs are required due to normal wear & tear
- The tool/compressor has been inadequately packaged leading to damage in-transit to the service/warranty center.

\*Approved fasteners include the following brands **GRIP-RITE FAS'NERS™, FAS'NERS UNLIMITED™**

IN NO EVENT SHALL **PRIMESOURCE®** BE LIABLE FOR ANY INDIRECT, ACCIDENTAL OR CONSEQUENTIAL DAMAGE FROM THE SALE OR USE OF THESE PRODUCTS. THIS DISCLAIMER APPLIES BOTH DURING & AFTER THE TERM OF WARRANTY.

THIS IS OUR WARRANTY & IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE (EXCEPT AS MAY BE OTHERWISE PROVIDED BY LAW).

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY, FROM STATE TO STATE.

**PNEUMATIC TOOL/COMPRESSOR SERVICE INFORMATION**

*Should any mechanical problems develop during the life of your equipment the following options are available for service and parts:*

- Call (800)676-7777 where you will be routed to the nearest **GRIP-RITE®** distribution center and directed to the nearest authorized service/warranty center.
- Logging on to our website at **www.grip-rite.com** where you will find a list of our authorized service centers.
- Contact the **GRIP-RITE®** Factory Warranty Center directly at Phone: (800)207-9259 or Fax: (800)207-9614

**STEPS TO TAKE WHEN SHIPPING TOOLS**

- Adequately package the product to avoid damage in-transit (in the case of pneumatic tools, the original blow mold plastic carrying case is considered adequate packaging).
- Provide the original/copy of receipt showing the original purchase date.
- Insure your shipment with the shipping company.

**PRIMESOURCE®** will not be responsible for any tool/compressor that is lost or damaged by the shipper on route to the **PRIMESOURCE®** service/warranty center.

**USE GENUINE GRIP-RITE®  
FASTENERS FOR BEST  
PERFORMANCE**



**PRIME SOURCE®**

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