# OPERATOR'S MANUAL AND PARTS LIST SHORT BODY FRAMING NAILERS

## MODELS

## GRTFR83, GRTFR83L, GRTFC83 & GRTFW83







**GRTFC83** 

## www.grip-rite.com

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### **MORTANT 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.

### **GRTFR83(L) SPECIFICATIONS**

MODEL	GRTFR83(L) FRAMING NAILERS
FASTENER RANGE	2" - 3 1/4" (50 mm - 83 mm)
	.113"148" dia. (3 - 3.8 mm) Round Head
FASTENER TYPE	21° Round Head Plastic Collation
MAX MAGAZINE CAPACITY	75 Nails
MAX AIR PRESSURE	120 psi (8.3 bar)
MIN AIR PRESSURE	70 psi (4.8 bar)
TOOL WEIGHT	6.9 lbs. (3.1 kg)
TOOL LENGTH	21.7" (55.1 cm) [GRTFR83L - 22.1" (56.1 cm)]
TOOL HEIGHT	12.4" (31.5 cm)
TOOL WIDTH	4.5" (11.4 cm)
TRIGGER TYPE	SELECTABLE - SEQUENTIAL OR BUMP FIRE
AIR INLET	MALE SWIVEL QUICK CONNECT COUPLER
LUBRICATION	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 positionLpA, 1s = 93 dBA
A-weighted single-event sound power levelLwA, 1s = 102 dBA
A-weighted single-event surface sound
pressure levelLpA, 1s = 89 dBA

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

Weighted root mean square acceleration -----= 3.6 m/s<sup>2</sup>

### For best results, use Grip-Rite® collated fasteners.

### **GRTFR83(L) FASTENER SELECTION CHART**

	Size	Box	Shank	Bright	Galvanized	HD Galvanized
6D	2"x .113	5M	Smooth	GR03	GR05G	GR05HG
6D	2"x .113	5M	Ring	GR04	GR04G	GR04HG
8D	2-3/8"x .113	5M	Smooth	GR07	GR09G	GR09HG
8D	2-3/8"x .113	5M	Ring	GR08R	GR08G	GR06RHG
10D	2-3/8"x .148	4M	Smooth	GR8D148	GR8D148HG	N/A
10D	3" x .120	4M	Smooth	GR301	GR301G	GR301HG
10D	3" x .120	4M	Ring	N/A	GR408G	GR408HG
10D	3" x .131	4M	Smooth	GR014	N/A	N/A
12D	3-1/4" x .120	4M	Smooth	GR444	GR444G	GR444HG
16D	3-1/4" x .131	4M	Smooth	GR024	GR034G	GR034HG
12D	3-1/4" x .148	4m	Smooth	GR314148	N/A	N/A

### **GRTFC83 SPECIFICATIONS**

MODEL	GRTFC83 FRAMING NAILERS
FASTENER RANGE	2" - 3 1/4" (50 mm - 83 mm)
	.113"131" dia. (3 - 3.3 mm)
FASTENER TYPE	30°-34° Clipped & Offset Round Head Paper Collation
MAX MAGAZINE CAPACITY	80 Nails
MAX AIR PRESSURE	120 psi (8.3 bar)
MIN AIR PRESSURE	70 psi (4.8 bar)
TOOL WEIGHT	7.3 lbs. (3.3 kg)
TOOL LENGTH	21.7" (55.1 cm)
TOOL HEIGHT	13.5" (34.3 cm)
TOOL WIDTH	4.5" (11.4 cm)
TRIGGER TYPE	SELECTABLE - SEQUENTIAL OR BUMP FIRE
AIR INLET	MALE SWIVEL QUICK CONNECT COUPLER
LUBRICATION	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 positionLpA, 1s = 93 dBA
A-weighted single-event sound power levelLwA, 1s = 102 dBA
A-weighted single-event surface sound
pressure levelLpA, 1s = 89 dBA

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Weighted root mean square acceleration -----= 3.6 m/s<sup>2</sup>

### For best results, use Grip-Rite® collated fasteners.

GRTFC83 FASTENER SELECTION CHART						
	Size	Box	Shank	Bright	Galvanized	HD Galvanized
6D	2"x .113	2.5M	Smooth	GRSP6D	GRSP6DG	GRSP6DHG
6D	2"x .113	2.5M	Ring	GRSP6DR	GRSP6DRG	GRSP6DRHG
8D	2-3/8"x .113	2.5M	Smooth	GRSP8D	GRSP8DG	GRSP8DHG
8D	2-3/8"x .113	2.5M	Ring	GRSP8DR	GRSP8DRG	GRSP8DRHG
10D	3"x .120	2M	Smooth	GRSP10D	GRSP10DG	GRSP10DHG
10D	3" x .120	2M	Ring	GRSP10DR	GRSP10DRG	GRSP10DRHG
10D	3" x .131	2M	Smooth	GRSP10DZ	GRSP10DZG	N/A
12D	3-1/4" x .120	2M	Smooth	GRSP12D	N/A	N/A
12D	3-1/4" x .120	2M	Ring	N/A	GRSP12DRG	GRSP12DRHG
12D	3-1/4" x .131	2M	Smooth	GRSP12DZ	GRSP12DZG	GRSP12DZHG
16D	3-1/2" x .131	2m	Smooth	GRSP16DZ	GRSP16DZG	GRSP16DZHG

### **GRTFW83 SPECIFICATIONS**

MODEL	GRTFW83 FRAMING NAILERS
FASTENER RANGE	2" - 3 1/4" (50 mm - 83 mm)
	.113"131" dia. (3 - 3.3 mm)
FASTENER TYPE	28° Wire Weld Framing
MAX MAGAZINE CAPACITY	95 Nails
MAX AIR PRESSURE	120 psi (8.3 bar)
MIN AIR PRESSURE	70 psi (4.8 bar)
TOOL WEIGHT	7.5 lbs. (3.4 kg)
TOOL LENGTH	17.0" (43.2 cm)
TOOL HEIGHT	13.25" (33.7 cm)
TOOL WIDTH	4.5" (11.4 cm)
TRIGGER TYPE	SELECTABLE - SEQUENTIAL OR BUMP FIRE
AIR INLET	MALE SWIVEL QUICK CONNECT COUPLER
LUBRICATION	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 positionLpA, 1s = 93 dBA
A-weighted single-event sound power levelLwA, 1s = 102 dBA
A-weighted single-event surface sound
pressure levelLpA, 1s = 89 dBA

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

Weighted root mean square acceleration -----= 3.6 m/s<sup>2</sup>

#### For best results, use Grip-Rite® collated fasteners.

### **GRTFW83 FASTENER SELECTION CHART**

	Size	Box	Shank	Bright	Galvanized	HD Galvanized
6D	2"x .113	2.5M	Smooth	GRS6D	GRS6DG	GRS6DHG
6D	2"x .113	2.5M	Ring	GRS6DR	GRS6DRG	GRS6DRHG
8D	2-3/8"x .113	2.5M	Smooth	GRS8D	GRS8DG	GRS8DHG
8D	2-3/8"x .113	2.5M	Ring	GRS8DR	GRS8DRG	GRS8DRHG
10D	3"x .120	2M	Smooth	GRS10D	GRS10DG	GRS10DHG
10D	3" x .120	2M	Ring	N/A	GRS10DRG	GRS10DRHG
10D	3" x .131	2M	Smooth	GRS10DZ	N/A	N/A
12D	3-1/4" x .120	2M	Smooth	GRS12D	GRS12DG	GRS12DHG
12D	3-1/4" x .120	2M	Ring	N/A	GRS12DRG	GRS12DRHG
12D	3-1/4" x .120	2M	Screw	N/A	GRS12DSG	GRS12DSHG
16D	3-1/4" x .131	2M	Smooth	GRS12DZ	GRS12DZG	N/A
16D	3-1/2" x .131	2M	Smooth	GRS16DZ	GRS16DZG	GRS16DZHG

### SAFETY LABELS

These pneumatic fastening tools include 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.				
WEAR SAFETY GLASSES - Tool opera and bystanders must wear safety glasse with side shield that meet ANSI Z87.1 requirements.				
RISK OF PERSONAL INJURY - Failure to follow all safety and operating instructions or misuse of the tool, can result in serious injury to tool operator and bystanders.				

### 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.



#### 120 psi DO NOT EXCEED MAXIMUM RECOMMENDED OPERATING 8.3 bar AIR PRESSURE OF 120 PSI /8.6 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.



## 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



#### 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 modifed or malfunctioning trigger or workpiece contact can result in a fastener being driven unintentionally.

#### **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 fy 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 OR WORKPIECE CONTACT DEPRESSED.

Depressing the trigger or workpiece contact during loading can result in an unintentional fastener drive if both devices are accidentally actuated at the same time.

## 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 defect away from the workpiece. Flying fasteners can cause serious injuries.

### SAFETY INSTRUCTIONS



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

Fasteners can defect and turn as they are being driven into the workpiece, and penetrate fngers, 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 frst 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.

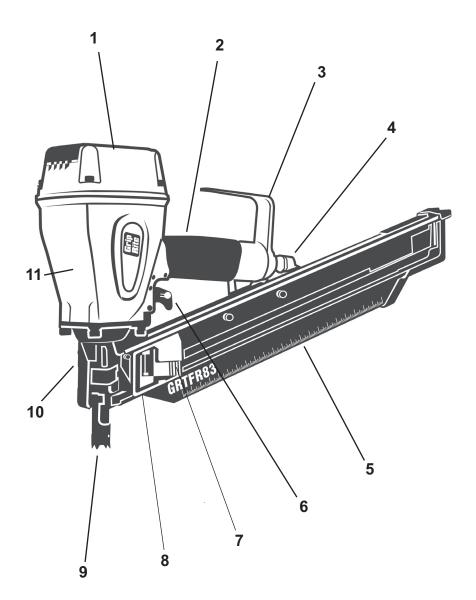


#### DO NOT MODIFY TOOL

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

### DESCRIPTION

## GRTFR83(L) TOOL PARTS



### **GRTFR83(L) PART DESCRIPTIONS**

- 1. Heavy Duty Cap Seals tool housing.
- 2. Cushioned Grip Cushioned handgrip reduces fatigue and provides comfortable operation.
- **3.** Rotating Rafter Hook Durable aluminum hook holds tool securely. Keeps nailer in reach for greater productivity.
- Swivel Air Coupling Quick-disconnect male coupling allows quick connection to air hose and helps improve tool maneuverability.
- Dual Loading Magazine Allows fast, easy top or rear loading of nails. Open track design permits quick check of nail size and quantity.
- 6. Selectable Trigger Permits fingertip selection of single-fire or bump fire operation.
- 7. Pusher Release Lever Releases pusher to load or unload nails.
- 8. **Spring-loaded Pusher -** Provides positive fastener feeding in all tool positions. Dry-fire lockout prevents blank firing.
- **9.** Work Contact Tip Agressive claw design permits stable positioning for toe nailing in all applications.
- **10. Adjustable Depth of Drive** Tool-free depth of drive adjustment allows nail drive adjustments to be made at tool for consistent depth control.
- **11. Magnesium Tool Housing** Light weight, durable magnesium tool housing lowers tool weight, reduces operator fatigue.

**No-Mar Pad** - Removeable pad prevents marring of work. Conveniently stores on tool when not needed

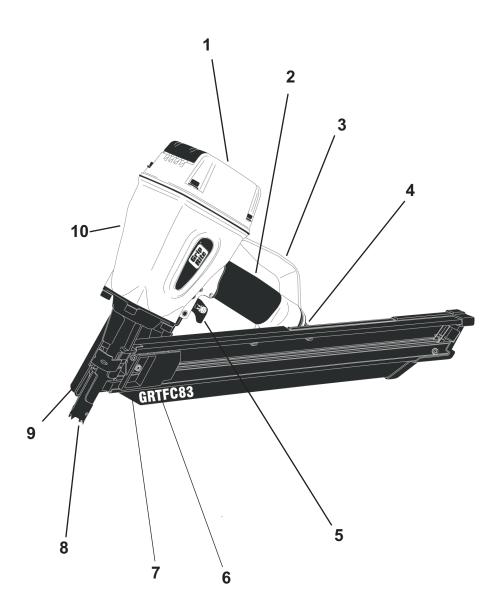
**Metric Hex Wrenches** - Included with tool to allow tightening of metric screws. Keep tools in tool case for periodic tightening of screws.

**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

### DESCRIPTION

### **GRTFC83 TOOL PARTS**



### **GRTFC83 PART DESCRIPTIONS**

- 1. Heavy Duty Cap Seals tool housing.
- 2. Cushioned Grip Cushioned handgrip reduces fatigue and provides comfortable operation.
- **3.** Rotating Rafter Hook Durable aluminum hook holds tool securely. Keeps nailer in reach for greater productivity.
- Swivel Air Coupling Quick-disconnect male coupling allows quick connection to air hose and helps improve tool maneuverability.
- 5. Selectable Trigger Permits fingertip selection of single fire or bump fire operation.
- 6. Pusher Release Lever Releases pusher to load or unload nails.
- 7. **Spring-loaded Pusher -** Provides positive fastener feeding in all tool positions. Dry-fire lockout prevents blank firing.
- 8. Work Contact Tip Agressive claw design permits stable positioning for toe nailing in all applications.
- **9.** Adjustable Depth of Drive Tool-free depth of drive adjustment allows nail drive adjustments to be made at tool for consistent depth control.
- **10. Magnesium Tool Housing** Light weight, durable magnesium tool housing lowers tool weight, reduces operator fatigue.

**No-Mar Pad** - Removeable pad prevents marring of work. Conveniently stores on tool when not needed

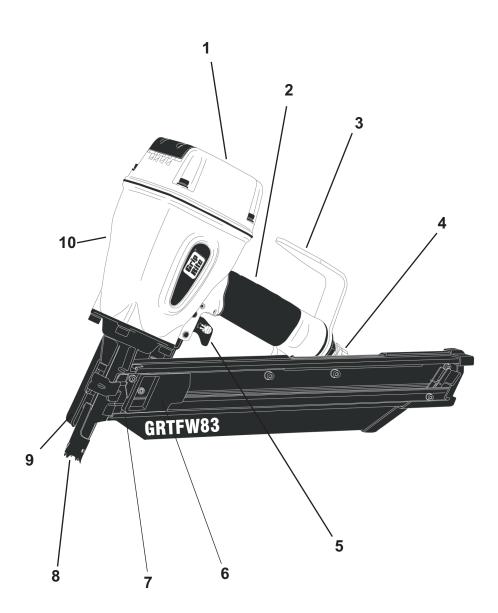
**Metric Hex Wrenches** - Included with tool to allow tightening of metric screws. Keep tools in tool case for periodic tightening of screws.

**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

### DESCRIPTION

### **GRTFW83 TOOL PARTS**



### **GRTFW83 PART DESCRIPTIONS**

- 1. Heavy Duty Cap Seals tool housing.
- 2. Cushioned Grip Cushioned handgrip reduces fatigue and provides comfortable operation.
- **3.** Rotating Rafter Hook Durable aluminum hook holds tool securely. Keeps nailer in reach for greater productivity.
- Swivel Air Coupling Quick-disconnect male coupling allows quick connection to air hose and helps improve tool maneuverability.
- 5. Selectable Trigger Permits fingertip selection of single fire or bump fire operation.
- 6. Pusher Release Lever Releases pusher to load or unload nails.
- 7. **Spring-loaded Pusher -** Provides positive fastener feeding in all tool positions. Dry-fire lockout prevents blank firing.
- 8. Work Contact Tip Agressive claw design permits stable positioning for toe nailing in all applications.
- **9.** Adjustable Depth of Drive Tool-free depth of drive adjustment allows nail drive adjustments to be made at tool for consistent depth control.
- **10. Magnesium Tool Housing** Light weight, durable magnesium tool housing lowers tool weight, reduces operator fatigue.

**No-Mar Pad** - Removeable pad prevents marring of work. Conveniently stores on tool when not needed

**Metric Hex Wrenches** - Included with tool to allow tightening of metric screws. Keep tools in tool case for 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 NAILS

## ▲ DANGER

A fastener can be driven unintentionally if the trigger and safety bracket are activated at the same time. Always disconnect tool from air supply before loading fasteners, making adjustments, or performing any service on tool. Keep finger off trigger until ready to drive a fastener.

- 1. Hold tool handgrip securely **TOP LOADING**
- 2a. Insert nail strip into TOP of magazine, with nail points angled forward and down. Slide nail strip forward.

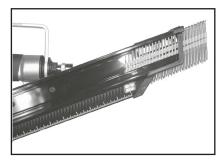
#### REAR LOADING (GRTFR83 & GRTFR83L ONLY)

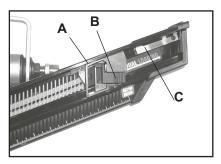
- 2b. Insert nail strip into REAR of magazine, with nail points angled forward and down. Slide nail strip forward past stopper (C).
- Pull pusher (A) back to rear of magazine, behind last nail strip.
- 4. Slide pusher forward to engage last nail strip, and release.
- 5. Tool is now loaded and ready for normal operation.

#### UNLOADING NAILS

- Pull pusher back, fully depress pusher lever (B), then slide pusher all the way forward to front of magazine.
- 2. Release pusher lever (B).
- Slide nail strips back to rear of magazine, and remove the nails from magazine.

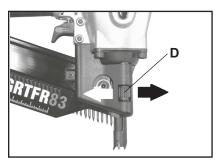


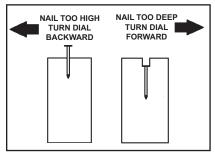




### ADJUSTING NAIL DRIVE

- 1. Disconnect tool from air supply using quick-connect coupling.
- Turn adjustment dial (D) backward toward magazine to increase nail drive, or forward toward front of tool to decrease nail drive, as shown by nail symbols on tool.
- Connect tool to air supply, and drive nails to check for correct depth of drive.
- Make depth of drive adjustments as needed to maintain consistent nail driving.





### SELECTING TRIGGER OPERATION

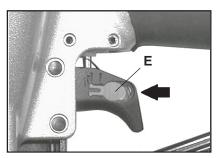
 Disconnect tool from air supply using quick-connect coupling.

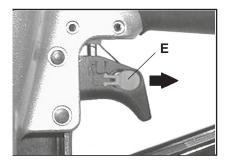
#### **BUMP FIRE OPERATION**

2a. Slide the selector button (E) on the trigger to the forward position.

#### SEQUENTIAL FIRE OPERATION

- 2b. Slide the selector button (E) on the trigger to the rear position.
- 3. Connect air tool to air supply at quick-connect coupling.





### **TOOL OPERATION**

#### SEQUENTIAL (SINGLE FIRE ) OPERATION

To operate this tool in SEQUENTIAL fire mode, move the selector button on the trigger to the rear position.

- Hold the tool securely using the handgrip. Keep finger off trigger until tool is in position and you are ready to drive a fastener. NOTE: Depressing trigger before depressing safety bracket will prevent tool from actuating.
- 2. Position the nose of the tool on the workpiece, placing the nose at the desired fastener driving position.
- 3. Press the tool down firmly against the work surface, fully depressing the workpiece contact (safety bracket).
- 4. Squeeze the trigger once to drive a fastener.
- 5. Allow the tool to rebound off the work surface, and release the trigger to reset the workpiece contact. Tool will not drive another fastener until trigger is released, and cannot be bump-fired with sequential operation mode selected.
- 6. Check fastener for flush drive, and if needed, turn nail depth adjustment dial to obtain desired fastener drive.
- 7. If tool adjustments do not provide the desired results, make air pressure adjustments at the compressor: Increase air pressure to drive deeper or to drive into harder materials. Reduce air pressure to reduce drive or to drive into softer materials. For longest tool and part life, always use the lowest air pressure necessary to drive fasteners to desired depth.
- 8. Position the tool for driving the next fastener, and repeat the above procedure. Always keep hands and other body parts away from areas being fastened.

#### **BUMP FIRE (CONTACT TRIP) OPERATION**

#### To operate this tool in BUMP FIRE mode (contact trip), move the selector button on the trigger to the forward position.

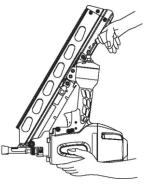
- 1. Position the nose of the tool over the work surface, near the area where the first fastener is to be driven.
- 2. Squeeze and hold the trigger in the depressed position.
- 3. Bump the workpiece contact (safety) against the work surface at each point where a fastener is to be driven.
- 4. Using a bouncing motion, continue moving the tool into position for each fastener drive.
- 5. When fastening is completed, release the trigger.

### 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 2-3 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

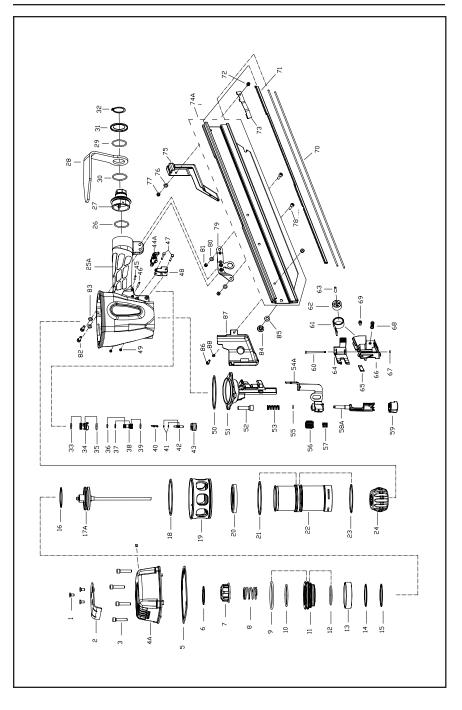
Disconnect tool from the air supply and remove all fasteners. Brush tool off using a parts cleaning brush or clean rag. Check area around trigger and workpiece contact, and clean as necessary.

### **Trigger Check**

Check trigger operation daily to confirm proper sequential operation:

- 1. Move the selector button on the trigger to the rear position.
- 2. Press the workpiece contact against a safe work surface without depressing the trigger. **THE TOOL MUST NOT CYCLE.**
- 3. Hold the tool above a safe work surface and pull the trigger with out depressing the workpiece contact. **THE TOOL MUST NOT CYCLE.**
- 4. Pull and hold the trigger, and then press the workpiece contact against a safe work surface. **THE TOOL MUST NOT CYCLE.**
- With finger off trigger, press the workpiece contact against a safe work surface. Keep tool pressed against work surface, and pull trigger. THE TOOL MUST CYCLE ONCE.
- 6. The trigger must return to the normal position each time finger pressure is released.

## **GRTFR83 PARTS SCHEMATIC**



DESCRIPTION

#### 45 GRTN2530 Spring Pin 1 **GRTN7080** Hex.Soc.Hd.Bolt 46 **GRTN2550** Spring Pin 2 **GRTN6660** Defector 47 **GRTN790** Pin Triager 3 **GRTN7060** Hex.Soc.Hd.Bolt 48 **GRTN6960** Guide, Safety Lever 4A GRTN6670 Cap Assembly 49 **GRTN2210** Grommet 5 **GRTN6680** Gasket 50 **GRTN7000** O-Ring 6 GRTN220 Washer 51 **GRTN6790** Nose 7 Spring **GRTN6710** 52 GRTN2010 Hex.Soc.Hd.Bolt **Piston Stopper** 8 **GRTN6690** 53 **GRTN6810** Spring,Safety 9 **O-Ring GRTN2420** 54A GRTN6800 Upper Safety Lever Assy. 10 GRTN2160 **O-Ring** 55 GRTN2660 E-ring Piston, Head Valve 11 GRTN6700 Adjusting Nut 56 GRTN6840 12 GRTN7010 **O-Ring** 57 GRTN6850 Adjusting Spring Piston, Head Valve 13 GRTN6620 58A GRTN6820 Lower Safety Lever 14 GRTN6610 Seal, Piston Head Assembly Valve 59 GRTN1530 **Rubber Pad** 15 GRTN6630 Retaining Ring 60 **GRTN6600 Door Hinge Pin** 16 GRTN2200 O-Ring **Spiral Spring** 61 **GRTN6640** 17A GRTN6730 **Driver Assembly** 62 **GRTN6890** Roller 18 GRTN2460 O-Ring 63 **GRTN7070** Pin 19 GRTN250 Cylinder Hold Down 64 **GRTN6900** Pusher 20 GRTN240 Seal 65 **GRTN6940** Safety Lock-Out 21 **GRTN2430 O-Ring GRTN6910** 66 Carriage 22 GRTN6720 Cvlinder 67 **GRTN2210** Grommet 23 GRTN2190 **O-Ring** 68 **GRTN6650** Spring 24 GRTN6740 Bumper Hex.Soc.Hd.Bolt 69 **GRTN7040** 25A GRTN6750 **Body Assembly** 70 Nail Guide Liner **GRTN6870** 26 GRTN4430 **O-Rina** 71 **GRTN6880** Nail Guide Liner 27 GRTN6760 End Cap 72 GRTN7050 Hex.Soc.Hd.Bolt Belt hook 28 GRTN6770 73 GRTN6930 Stopper 29 GRTN6990 **O-Ring** 74A GRTN6860 Magazine Assembly 30 GRTN6970 Washer, Belt Hook 75 GRTN6950 Magazine Cover 31 GRTN4180 Cover. Belt Hook Flat Washer 76 GRTN7020 32 GRTN4190 C-Rina 77 **GRTN2710** Cap Locknut 33 GRTN2220 **O-Ring** 78 **GRTN6070** Hex.Soc.Hd.Bolt 34 GRTN800 Valve 79 **GRTN6920** Bracket 35 GRTN2240 O-Rina 80 **GRTN6050** Flat Washer 36 GRTN2100 O-Rina 81 **GRTN3340** Locknut 37 GRTN6250 O-Ring 82 **GRTN4020** Hex.Soc.Hd.Bolt 38 GRTN805 Valve Plunger 83 **GRTN6050** Flat Washer 39 GRTN2170 **O-Ring** 84 **GRTN7090** Hex.Soc.Hd.Bolt 40 GRTN830 Spring 85 **GRTN7030** Flat Washer 41 GRTN2230 O-Ring 86 **GRTN7040** Hex.Soc.Hd.Bolt 42 GRTN810 Plunger 87 **GRTN6830** Safety Cap 43 GRTN820 Plunger Cap 88 **GRTN7130** Flat Washer 44A GRTN6780 Trigger Assembly

ITEM P/N

- Α **GRDAK2300 Driver Assembly Kit** в
  - **GRRBK2300** Rebuild Kit

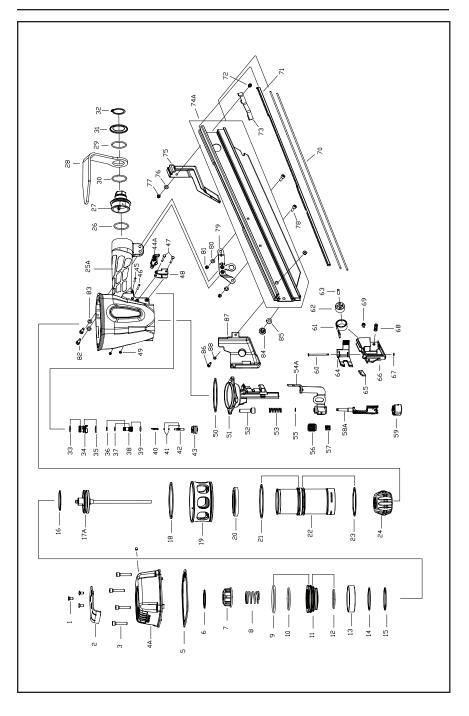
С

ITEM P/N

DESCRIPTION

- GRTF83MAN Operator's Manual
- D GRTRK100 Trigger Valve Assembly

### **GRTFR83L PARTS SCHEMATIC**



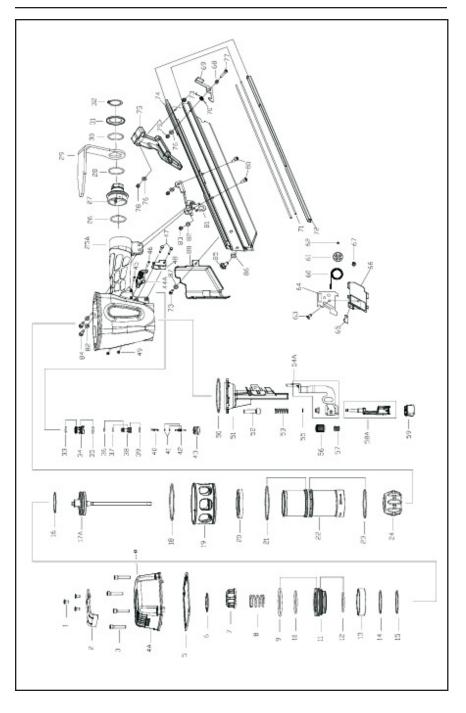
#### ITEM P/N DESCRIPTION

#### ITEM P/N DESCRIPTION

1	GRTN7080	Hex.Soc.Hd.Bolt	45	GRTN2530	Spring Pin
2	GRTN6660	Defector	46	GRTN2550	Spring Pin
3	GRTN7060	Hex.Soc.Hd.Bolt	40	GRTN790	Pin Trigger
	GRTN6670	Cap Assembly	48	GRTN6960	Guide, Safety Lever
5	GRTN6680	Gasket	40	GRTN2210	Grommet
6	GRTN220	Washer	49 50	GRTN7000	O-Ring
7	GRTN6710		50	GRTN6790	Nose
8	GRTN6690	Spring Piston Stopper	52	GRTN2010	Hex.Soc.Hd.Bolt
9	GRTN2420	O-Ring	52	GRTN6810	Spring,Safety
9 10	GRTN2420	O-Ring		GRTN7200	Upper Safety Lever Assy.
11	GRTN2100 GRTN6700	Piston,Head Valve	54A	GRTN2660	E-ring
12	GRTN7010	O-Ring	56	GRTN6840	E-ring Adjusting Nut
12	GRTN6620	Piston, Head Valve	50	GRTN6850	Adjusting Spring
14	GRTN6610	Seal, Piston Head		GRTN6820	Lower Safety Lever
14	GKTN0010	Valve	JOA	GRINOOZU	Assembly
15	GRTN6630	Retaining Ring	59	GRTN1530	Rubber Pad
16	GRTN2200	O-Ring	60	GRTN6600	Door Hinge Pin
	GRTN6730	Driver Assembly	61	GRTN6640	Spiral Spring
18	GRTN2460	O-Ring	62	GRTN6890	Roller
19	GRTN250	Cylinder Hold Down	63	GRTN7070	Pin
20	GRTN240	Seal	64	GRTN6900	Pusher
21	GRTN2430	O-Ring	65	GRTN7210	Safety Lock-Out
22	GRTN6720	Cvlinder	66	GRTN7210	Carriage
23	GRTN2190	O-Ring	67	GRTN2210	Grommet
24	GRTN6740	Bumper	68	GRTN6650	Spring
	GRTN6750	Body Assembly	69	GRTN7040	Hex.Soc.Hd.Bolt
26	GRTN4430	O-Ring	70	GRTN7230	Nail Guide Liner
27	GRTN6760	End Cap	71	GRTN7240	Nail Guide Liner
28	GRTN6770	Belt hook	72	GRTN7050	Hex.Soc.Hd.Bolt
29	GRTN6990	O-Ring	73	GRTN6930	Stopper
30	GRTN6970	Washer, Belt Hook		GRTN7250	Magazine Assembly
31	GRTN4180	Cover, Belt hook	75	GRTN6950	Magazine Cover
32	GRTN4190	C-Ring	76	GRTN7020	Flat Washer
33	GRTN2220	O-Ring	77	GRTN2710	Cap Locknut
34	GRTN800	Valve	78	GRTN6070	Hex.Soc.Hd.Bolt
35	GRTN2240	O-Ring	79	GRTN6920	Bracket
36	GRTN2100	O-Ring	80	GRTN6050	Flat Washer
37	GRTN6250	O-Ring	81	GRTN3340	Locknut
38	GRTN805	Valve Plunger	82	GRTN4020	Hex.Soc.Hd.Bolt
39	GRTN2170	O-Ring	83	GRTN6050	Flat Washer
40	GRTN830	Spring	84	GRTN7090	Hex.Soc.Hd.Bolt
41	GRTN2230	O-Ring	85	GRTN7030	Flat Washer
42	GRTN810	Plunger	86	GRTN7040	Hex.Soc.Hd.Bolt
43	GRTN820	Plunger Cap	87	GRTN6830	Safety Cap
	GRTN6780	Trigger Assembly	88	GRTN7130	Flat Washer

- A GRDAK2300 B GRRBK2300
- Driver Assembly Kit Rebuild Kit
- GRRBK2300 Rebuild GRTF83MAN Operat
- C GRTF83MAN D GRTRK100
- Operator's Manual
- RTRK100 Trigger Valve Assembly

### **GRTFC83 PARTS SCHEMATIC**



#### ITEM P/N DESCRIPTION

#### ITEM P/N DESCRIPTION

4	CDTNZ000	Hay See Hel Dalf	45	ODTNOCOO	Carrie e Dire
1	GRTN7080	Hex.Soc.Hd.Bolt		GRTN2530	Spring Pin
2	GRTN6660	Defector	46	GRTN2550	Spring Pin
3	GRTN7060	Hex.Soc.Hd.Bolt	47	GRTN790	Pin Trigger
	GRTN6670	Cap Assembly	48	GRTN6960	Guide, Safety Lever
5	GRTN6680	Gasket, Cap	49	GRTN2210	Grommet
6	GRTN220	Washer	50	GRTN7000	O-Ring
7	GRTN6690	Piston Stopper	51	GRTN7500	Nose
8	GRTN6710	Spring	52	GRTN2010	Hex.Soc.Hd.Bolt
9	GRTN2420	O-Ring	53	GRTN7510	Spring,Safety
10	GRTN2160	O-Ring		GRTN7520	Upper Safety Lever Assy.
11	GRTN6700	Piston, Head Valve	55	GRTN2660	E-ring
12	GRTN7010	O-Ring	56	GRTN6840	Adjusting Nut
13	GRTN6620	Piston, Head Value	57	GRTN6850	Adjusting Spring
14	GRTN6610	Seal, Piston Head	58A	GRTN6820	Lower Safety Lever
		Valve			Assembly
15	GRTN6630	Retaining Ring	59	GRTN1530	Rubber Pad
16	GRTN2200	O-Ring	60	GRTN6640	Spiral Spring
	GRTN7490	Driver Assembly	61	GRTN6890	Roller
	GRTN2460	O-Ring	62	GRTN7070	Pin Bearing
19	GRTN250	Cylinder Hold Down	63	GRTN7530	Hex.Soc.Hd.Bolt
20	GRTN240	Seal	64	GRTN7540	Pusher
21	GRTN2430	O-Ring	65	GRTN7550	Stopper
22	GRTN6720	Cylinder	66	GRTN7560	Carriage
23	GRTN2190	O-Ring	67	GRTN7040	Hex.Soc.Hd.Bolt
24	GRTN6740	Bumper	68	GRTN7590	Spacer
	GRTN6750	Body Assembly	69	GRTN7580	Magazine lock
26	GRTN4430	O-Ring	70	GRTN7570	Torsion Spring
27	GRTN6760	End Cap	71	GRTN7600	Nail Guide Liner
28	GRTN6970	Washer, Belt hook	72	GRTN7610	Wear Rail
29	GRTN6770	Belt Hook	73	GRTN2690	Hex.Soc.Hd.Bolt
30	GRTN6990	O-Ring	74	GRTN7620	Magazine
31	GRTN4180	Cover, Belt hook	75	GRTN7630	Magazine Cover
32	GRTN4190	C-Ring	76	GRTN7020	Flat Washer
33	GRTN2220	O-Ring	77	GRTN4420	Hex.Soc.Hd.Bolt
34	GRTN800	Valve	78	GRTN2710	Cap Locknut
35	GRTN2240	O-Ring	79	GRTN2060	Locknut
36	GRTN2100	O-Ring	80	GRTN6070	Hex.Soc.Hd.Bolt
37	GRTN6250	O-Ring	81	GRTN7640	Bracket
38	GRTN805	Valve Plunger	82	GRTN6050	Flat Washer
39	GRTN2170	O-Ring	83	GRTN3340	Locknut
40	GRTN830	Spring	84	GRTN4020	Hex.Soc.Hd.Bolt
41	GRTN2230	O-Ring	85	GRTN7090	Spec Hex.Bolt
42	GRTN810	Plunger	86	GRTN7030	Washer
43	GRTN820	Plunger Cap	87	GRTN7130	Flat Washer
44A	GRTN6780	Trigger Assembly	88	GRTN7650	Safety cover

#### **Special Kit**

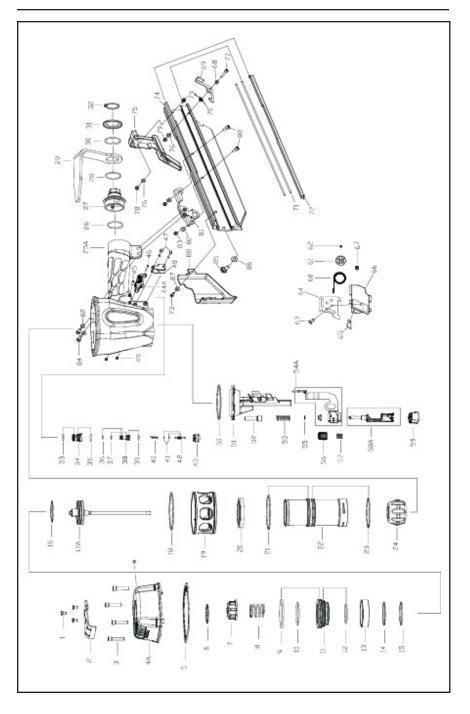
Α	GRDAK2800
В	GRRBK2800
С	GRTF83MAN

**Driver Assembly Kit** 

800 Rebuild Kit

C GRTF83MAN D GRTRK100 Operator's Manual Trigger Valve Assembly

### **GRTFW83 PARTS SCHEMATIC**



#### ITEM P/N DESCRIPTION

#### ITEM P/N DESCRIPTION

	ODTNZ000	Use Coo Usi Dali	45		
1	GRTN7080	Hex.Soc.Hd.Bolt	45	GRTN2530	Spring Pin
2	GRTN6660	Defector	46	GRTN2550	Spring Pin
3	GRTN7060	Hex.Soc.Hd.Bolt	47	GRTN790	Pin Trigger
	GRTN6670	Cap Assembly	48	GRTN6960	Guide, Safety Lever
5	GRTN6680	Gasket,	49	GRTN2210	Grommet
6	GRTN220	Top Bumper,	50	GRTN7000	O-Ring
		Washer	51	GRTN7670	Nose
7	GRTN6690	Piston Stopper	52	GRTN2010	Hex.Soc.Hd.Bolt
8	GRTN6710	Spring	53	GRTN7680	Spring,Safety
9	GRTN2420	O-Ring		GRTN7690	Upper Safety Lever Assy.
10	GRTN2160	O-Ring	55	GRTN2660	E-ring
11	GRTN6700	Piston,Head Valve	56	GRTN6840	Adjusting Nut
12	GRTN7010	O-Ring	57	GRTN6850	Adjusting Spring
13	GRTN6620	Piston, Head Valve	58A	GRTN7700	Lower Safety Lever
14	GRTN6610	Seal, Piston Head Valve			Assembly
15	GRTN6630	Retaining Ring	59	GRTN1530	Rubber Pad
16	GRTN2200	O-Ring	60	GRTN6640	Spiral Spring
17A	GRTN7660	Driver Assembly	61	GRTN6890	Roller
18	GRTN2460	O-Ring	62	GRTN7070	Pin
19	GRTN250	Cylinder Hold Down	63	GRTN7530	Hex.Soc.Hd.Bolt
20	GRTN240	Seal	64	GRTN7710	Pusher
21	GRTN2430	O-Ring	65	GRTN7550	Stopper
22	GRTN6720	Cylinder	66	GRTN7730	Carriage
23	GRTN2190	O-Ring	67	GRTN7040	Hex.Soc.Hd.Bolt
24	GRTN6740	Bumper	68	GRTN7590	Spacer
25A	GRTN6750	Body Assembly	69	GRTN7580	Magazine lock
26	GRTN4430	O-Ring	70	GRTN7570	Torsion spring
27	GRTN6760	End Cap	71	GRTN7740	Nail Guide Liner
28	GRTN6970	Washer, Belt Hook	72	GRTN7750	Wear Rail
29	GRTN6770	Belt Hook	73	GRTN2690	Hex.Soc.Hd.Bolt
30	GRTN6990	O-Ring	74	GRTN7760	Magazine
31	GRTN4180	Cover, Belt Hook	75	GRTN7770	Magazine Cover
32	GRTN4190	C-Ring	76	GRTN7020	Flat Washer
33	GRTN2220	O-Ring	77	GRTN4420	Hex.Soc.Hd.Bolt
34	GRTN800	Valve	78	GRTN2710	Cap Locknut
35	GRTN2240	O-Ring	79	GRTN2060	Locknut
36	GRTN2100	O-Ring	80	GRTN6070	Hex.Soc.Hd.Bolt
37	GRTN6250	O-Ring	81	GRTN7780	Bracket
38	GRTN805	Valve Plunger	82	GRTN6050	Flat Washer
39	GRTN2170	O-Ring	83	GRTN3340	Locknut
40	GRTN830	Spring	84	GRTN4020	Hex.Soc.Hd.Bolt
41	GRTN2230	O-Ring	85	GRTN7090	Spec Hex.Bolt
42	GRTN810	Plunger	86	GRTN7030	Washer
43	GRTN820	Plunger Cap	87	GRTN7130	Flat Washer
44A	GRTN6780	Trigger Assembly	88	GRTN7790	Safety cover
		33			

#### **Special Kit**

Α	GRDAK2900
В	GRRBK2900
С	GRTF83MAN

**Driver Assembly Kit** 

2900 Rebuild Kit MAN Operator's Manual

C GRTF83MAN D GRTRK100

Trigger Valve Assembly

### TOOL TROUBLESHOOTING

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.

## ▲ 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 discharge or tool operation.

FASTENER DRIVING PROBLEMS		
PROBLEM	CORRECTIVE ACTION	
Fasteners do not drive completely.	AT TOOL: Turn adjustment dial to increase nail drive depth. Add 2 - 3 drops of air tool oil to inlet.	
	AT COMPRESSOR: Increase air pressure. Do not exceed 120 psi/8.3 bar	
Fasteners do not drive completely after air pressure is increased.	Driver blade worn or broken. See dealer for replacement.	
Fasteners do not drive completely when driv- ing in quick succes- sion.	Inadequate air fow. Use larger diameter hose. Use compressor with larger storage tank. Keep hose lines short. Check air hose for kinks or other restrictions.	
Fasteners drive too deeply.	AT TOOL: Turn adjustment dial to decrease nail drive depth.	
	AT COMPRESSOR: Reduce air pressure. (Do not reduce below 70 psi/4.8 bar.)	

FASTENER DRIVING PROBLEMS		
Tool operates, but no fastener is driven.	Check magazine for jammed fastener. Clear jam and reload magazine. Check nail strip for smooth feeding in magazine.	
Tool won't operate - nail jammed in tool nose, preventing tool from operating.	Remove jammed fastener. Check magazine for incorrect, bent, or loose fasteners, and discard. Reload using Grip-Rite® nails.	
Tool leaks air.	Check for source of leak, and tighten fttings and screws as required. Discontinue using tool if air leaks at trigger area or from cap exhaust. Contact your dealer.	

### 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.

#### Workpiece Contact & Trigger

Check workpiece contact for proper operation before each use. Workpiece contact must move freely and return to extended position when lifted from workpiece. Trigger must operate freely.

#### **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.

### 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 3 years for tools and one year for compressors 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 **PRIMESOURCE®** 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-PRIMESOURCE® 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 CONSEQUENTAL 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 MERCHANTABILTY 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



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**GRTF83MAN**