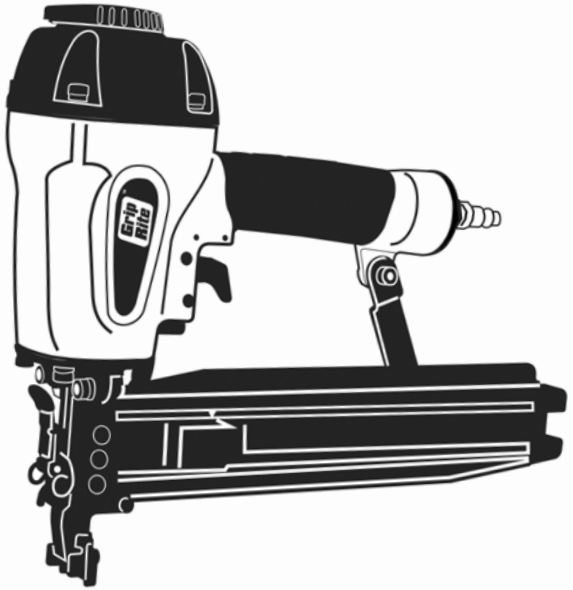
OPERATOR'S MANUAL

AND PARTS LIST
MODEL GRTSM200 STAPLER

Grip Rite TOOLS™

Tough as nails



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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

MODEL	**GRTSM200**
FASTENER RANGE	1” - 2 ” (25 mm - 51 mm)
FASTENER TYPE	16 Ga. Staples
CROWN SIZE	7/16” Medium Crown
MAGAZINE CAPACITY	150 STAPLES
MAX AIR PRESSURE	120 psi (8 bar)
MIN AIR PRESSURE	70 psi (4.8 bar)
TOOL WEIGHT	4.81 lbs. (1.8 kg)
TOOL LENGTH	15.2” (31.7 cm)
TOOL HEIGHT	11.25” (28 cm)
TOOL WIDTH	3.6” (8.4 cm)
STANDARD TRIGGER	Dual Action (Bump/Trigger Fire)
ACCESSORY TRIGGER	Sequential
AIR INLET	1/4 NPT
AIR CONNECTION	Male 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 position ---------- **LpA, 1s = 92 dBA**

A-weighted single-event sound power level ---------- **LwA, 1s = 101 dBA**

A-weighted single-event surface sound pressure level ---------- **LpA, 1s = 88 dBA**

VIBRATION CHARACTERISTIC VALUES IN ACCORDANCE WITH ISO 8862-1

Weighted root mean square acceleration ---------- **= 2.8 m/s^2**

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

FASTENER SELECTION CHART

LEG LENGTH	BOX QTY.	CROWN SIZE	WIRE GA.	BRIGHT SKU	STAINLESS STEEL SKU
1” (25 mm)	10M	7/16	16	GRN13	N/A
1-1/4 (32 mm)	10M	7/16	16	GRN15	N/A
1-1/2” (38 mm)	10M	7/16	16	GRN17	GRN17SS
1-3/4” (38 mm)	10M	7/16	16	GRN19	GRN19SS
2” (51 mm)	10M	7/16	16	GRN21	GRN21SS

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
	**READ THE MANUAL** - 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 operator and bystanders must wear safety glasses 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

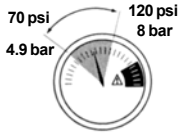
Always wear safety glasses with side shields that meet ANSI Z87.1 requirements when operating the tool. Make sure all others in work area wear safety glasses.

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.



DO NOT EXCEED MAXIMUM RECOMMENDED OPERATING AIR PRESSURE OF 120 PSI /8 Bar.

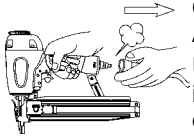
Exceeding the maximum recommended air pressure can cause the tool housing to burst, or cause premature failure of components.

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

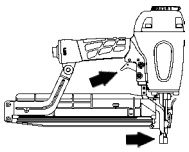
Always use air hose rated to handle 180 psi or the maximum potential pressure of the air supply.



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.

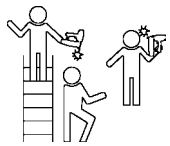
Attempting to use a tool with modified or malfunctioning trigger or workpiece contact can result in a fastener being driven unintentionally.

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 fly free.



KEEP TOOL POINTED IN A SAFE DIRECTION WHEN LOADING FASTENERS.

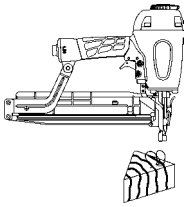
Never point the tool at yourself or anyone else when loading fasteners.

DO NOT LOAD TOOL WITH TRIGGER 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.

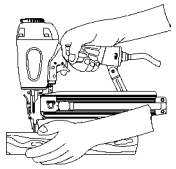
An unexpected bump or sudden contact with your body or that of a bystander can result in serious injuries.



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 deflect away from the workpiece. Flying fasteners can cause serious injuries.

SAFETY INSTRUCTIONS

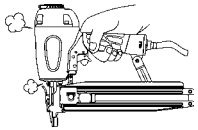


KEEP HANDS AND BODY PARTS AWAY FROM AREA BEING FASTENED.

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.

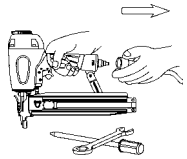
DO NOT OVERREACH OR WORK WHILE ON UNSTABLE FOOTING

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 RE-LOAD, CLEAR JAMS, OR PERFORM MAINTENANCE.

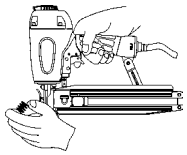
Never attempt to reload a tool, clear a jam, or perform maintenance without first disconnecting the air supply.

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

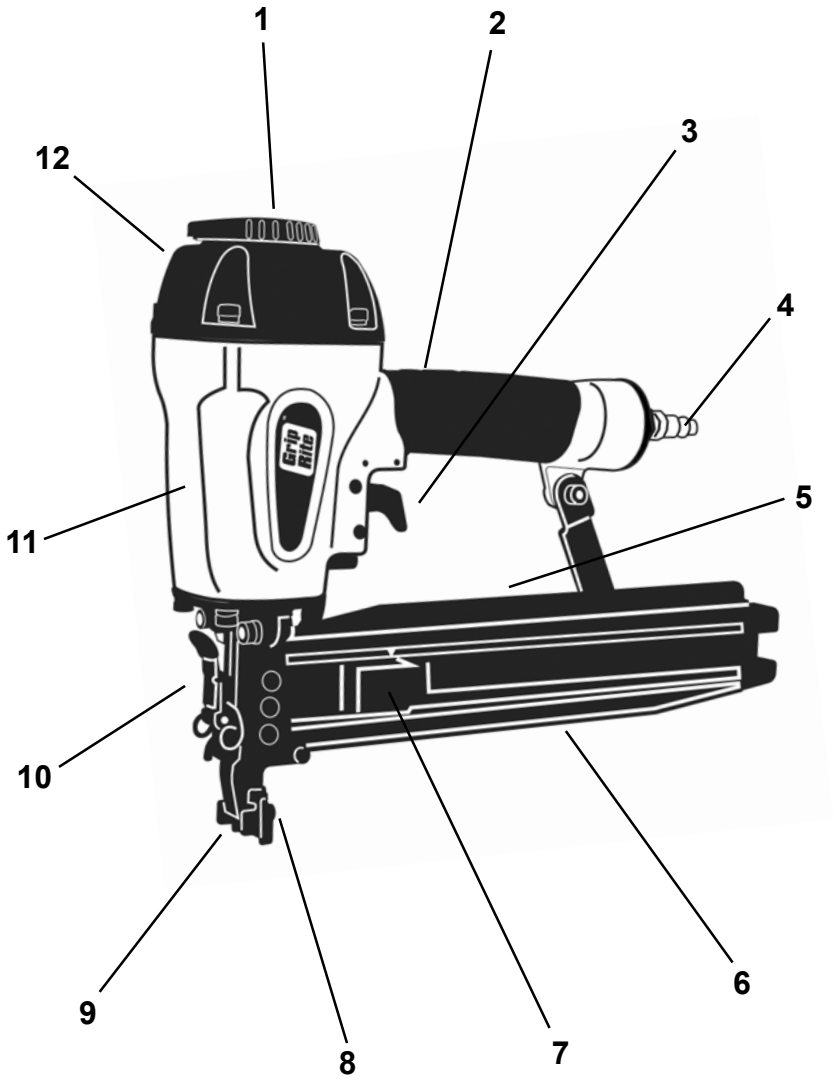
Place the tool back in the tool box after use, and store the tool out of reach.



DO NOT MODIFY TOOL

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

TOOL PARTS



PART DESCRIPTIONS

1. **360° Adjustable Air Deflector** - Tool-free adjustment blows exhaust air away from operator. 12 locking positions for secure settings.
2. **Cushioned Grip** - Cushioned handgrip reduces fatigue and provides comfortable operation.
3. **Dual Action Trigger (Standard)** - Actuates tool when workpiece contact is depressed against work surface. Permits contact-trip (bump fire) or trigger-fire operation.

   Sequential Trigger (Accessory) - Actuates tool only when correct trigger operating sequence is followed. Does not allow bump firing.
4. **Air Coupling** - Quick-disconnect male coupling allows quick connection to air hose. Dust cap keeps dirt out when tool is not in use.
5. **Safety Warning Label** - Provides important safety reminders that must be followed whenever handling, operating, or servicing the tool.
6. **Top Load Staple Magazine** - Hold fasteners securely, and allows quick check of staple size and quantity.
7. **Spring-loaded Pusher -** Provides positive fastener feeding in all tool positions. Latches in loading position for rapid, one-handed loading. Triangle indicators show when it's time to reload.
8. **Adjustable Depth of Drive** - Easy, one-tool depth of drive adjustment allows adjustments to be made at tool nose for consistent depth control.
9. **Workpiece Contact** - Spring-loaded contact mechanism prevents tool from driving a fastener unless tool is pressed down and held against a work surface.
10. **E-Z Clear Latch** - Clear jammed fasteners from nose without tools.
11. **Tool Housing** - Magnesium tool housing reduces tool weight.
12. **Cap** - Seals tool housing.

    Metric Hex Wrenches - Included with tool to allow tightening of metric screws and depth of drive adjustments. 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

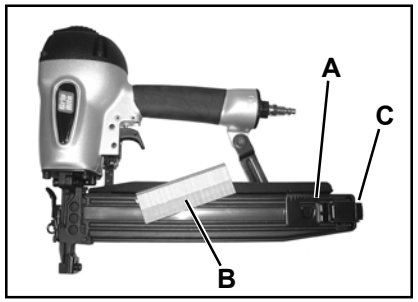
LOADING FASTENERS

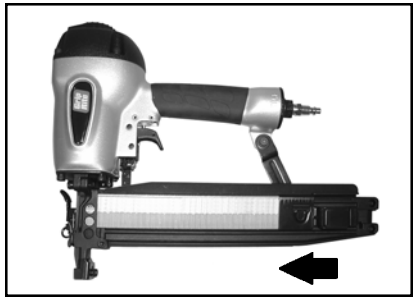
LOADING INSTRUCTIONS

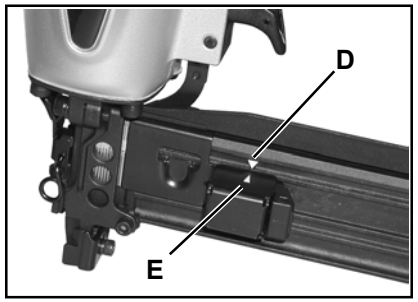
⚠ DANGER

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. Pull pusher (A) back to latched position at rear of magazine.
2. Load staple strips (B) over magazine track. Slide strips down so that staple crowns ride on top rail, then slide forward toward tool nose.
3. Pull pusher (A) back and press release lever (C) to release latch. Slide pusher forward against staple strips and release. DO NOT allow pusher to snap forward against staples.
4. Tool is now loaded and ready to be connected to an air supply for operation.
5. Reload when indicator triangles on magazine (D) and pusher (E) are aligned.

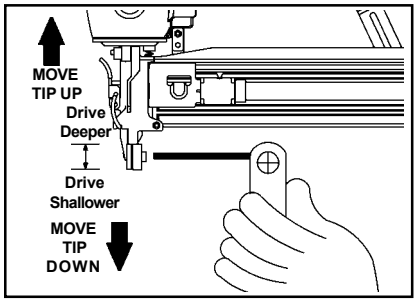


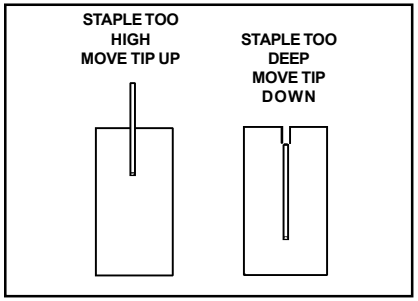




ADJUSTING STAPLE DRIVE

1. Disconnect tool from air supply using quick-connect coupling.
2. Loosen adjustment screw, and move tip of lower safety element up to increase fastener drive, or move down to de-crease drive. Tighten screw securely.
3. Connect tool to air supply, and drive staples to check for correct depth of drive.
4. Make depth of drive adjust-ments as needed to maintain consistent staple driving.





CLEARING STAPLE JAMS

1. Disconnect tool from air supply using quick-connect coupling.
2. Pull pusher back to latched position at rear of magazine.
3. Open E-Z Clear latch and open door.
4. Remove jammed fastener.
5. Close door and secure with latch.
6. Release pusher and slide forward against staple strips.
7. Connect air supply and check tool for normal operation.

TOOL OPERATION

CONTACT TRIP (BUMP FIRE) DRIVING METHOD (Standard)

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.

SEQUENTIAL OPERATION (Optional)

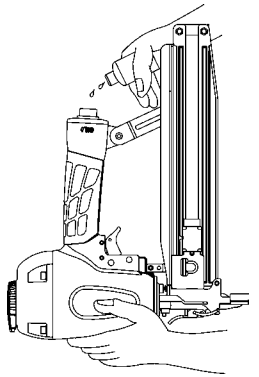
To operate this tool in sequential mode (single-shot), remove the dual action trigger provided on the tool, and install the sequential trigger provided with the tool. Follow the trigger installation instructions provided.

1. 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 trigger installed.
6. Check fastener for correct depth of drive, and if needed, adjust lower element tip 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.

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

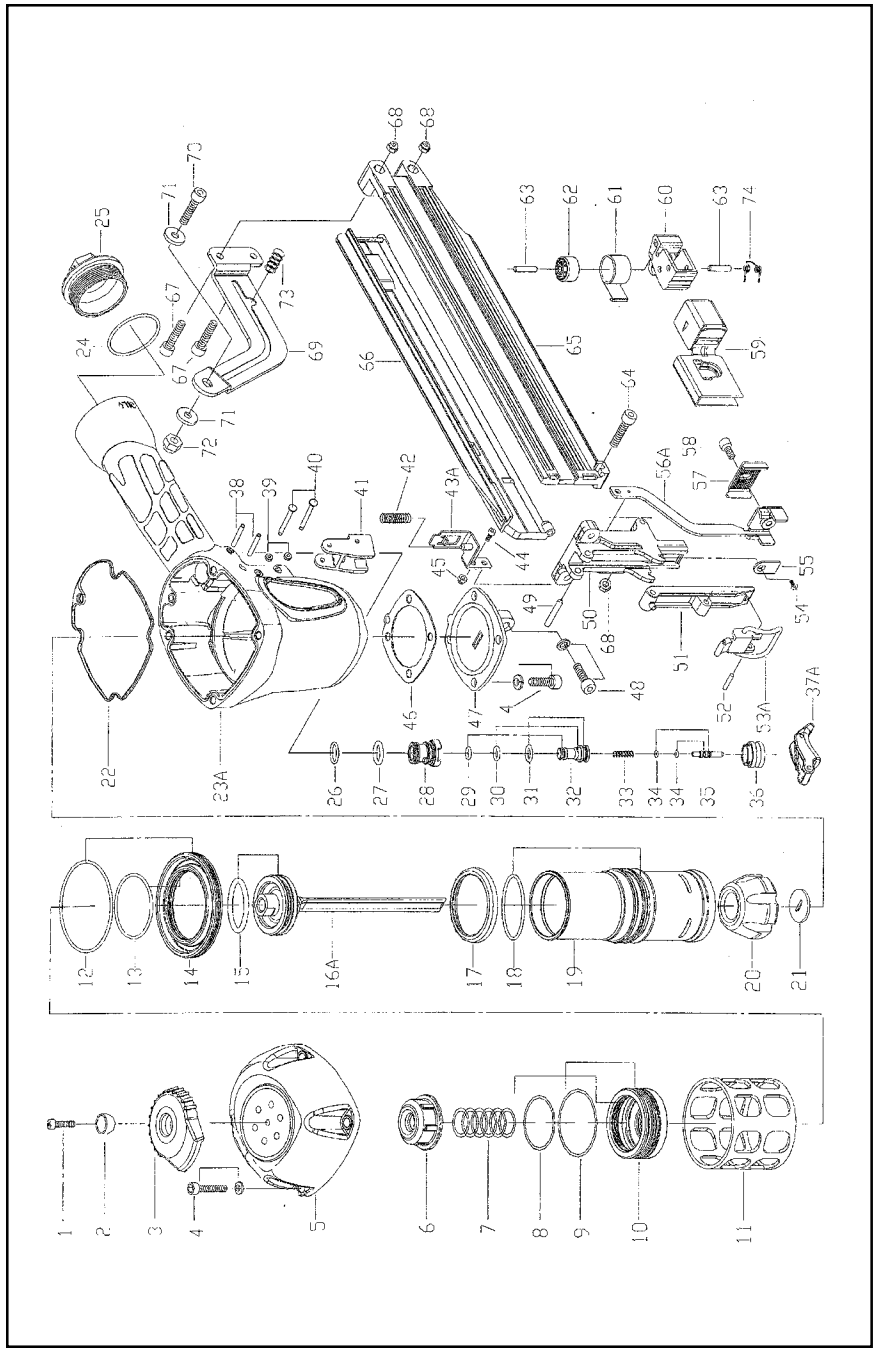
Disconnect tool from the air supply and remove all fasteners. Brush tool off using a parts cleaning brush or clean rag. Check area around trigger and workpiece contact, and clean as necessary. Pull pusher back to latched position, and brush out staple entry area of tool nose. Open E-Z Clear latch and brush out debris. Blow out confined areas around tool nose using low pressure compressed air.

Trigger Check (Sequential)

Check trigger operation daily to confirm proper sequential operation:

1. Press the workpiece contact against a safe work surface without depressing the trigger. **THE TOOL MUST NOT CYCLE.**
2. Hold the tool above a safe work surface and pull the trigger without depressing the workpiece contact. **THE TOOL MUST NOT CYCLE.**
3. Pull and hold the trigger, and then press the workpiece contact against a safe work surface. **THE TOOL MUST NOT CYCLE.**
4. 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***.
5. The trigger must return to the normal position each time finger pressure is released.

PARTS SCHEMATIC



PARTS LIST

ITEM	P/N	DESCRIPTION
1	GRTN3360	Hex.Soc.Hd.Bolt
2	GRTN3220	Deflector Bushing
3	GRTN3230	Deflector
4	GRTN1990	Hex.Soc.Hd.Bolt
5	GRTN3740	Cap
6	GRTN3750	Piston Stopper
7	GRTN710	Spring
8	GRTN3350	O-Ring
9	GRTN2300	O-Ring
10	GRTN570	Piston Head Valve
11	GRTN3240	Cylinder Hold Down
12	GRTN2310	O-Ring
13	GRTN2320	O-Ring
14	GRTN610	Cylinder Spacer
15	GRTN2360	O-Ring
16A	GRTN3760	Driver Assembly
17	GRTN600	Cylinder Seal
18	GRTN2200	O-Ring
19	GRTN3250	Cylinder
20	GRTN620	Bumper
21	GRTN3770	Driver Guide
22	GRTN550	Cap Gasket
23A	GRTN3780	Body Assembly
24	GRTN2290	O-Ring
25	GRTN3790	End Cap
26	GRTN2220	O-Ring
27	GRTN2240	O-Ring
28	GRTN630	Valve
29	GRTN2100	O-Ring
30	GRTN2130	O-Ring
31	GRTN2170	O-Ring
32	GRTN640	Valve Plunger
33	GRTN830	Spring
34	GRTN2230	O-Ring
35	GRTN810	Plunger
36	GRTN820	Plunger Cap
37A	GRTN650	Trigger Assy-Bump
38	GRTN2540	Spring Pin
39	GRTN2210	Grommet
40	GRTN790	Trigger Pin

ITEM	P/N	DESCRIPTION
41	GRTN3800	Contact Trip Guide
42	GRTN3260	Safety Spring
43A	GRTN3810	Upper Safety Lever Assy
44	GRTN1870	Hex.Soc.Hd.Bolt
45	GRTN2070	Locknut
46	GRTN3820	Gasket
47	GRTN3830	Bottom
48	GRTN3840	Hex.Soc.Hd.Bolt
49	GRTN3850	Spring Pin
50	GRTN3860	Nose
51	GRTN3870	Door
52	GRTN2560	Spring Pin
53A	GRTN3880	Latch Door Assembly
54	GRTN3890	Hex.Soc.Hd.Bolt
55	GRTN3900	Steel
56A	GRTN3910	Lower Safety Lever Assy.
57	GRTN3920	Safety Cover
58	GRTN3930	Hex.Soc.Hd.Bolt
59	GRTN3940	Pusher
60	GRTN3950	Latch
61	GRTN3960	Spiral Spring
62	GRTN3970	Roller
63	GRTN3980	Roller Pin
64	GRTN3990	Hex.Soc.Hd.Bolt
65	GRTN4000	Magazine
66	GRTN4010	Magazine Cap
67	GRTN4020	Hex.Soc.Hd.Bolt
68	GRTN3340	Locknut
69	GRTN4030	Bracket
70	GRTN4040	Hex.Soc.Hd.Bolt
71	GRTN4050	Flat Washer
72	GRTN2090	Locknut
73	GRTN4060	Spring
74	GRTN4070	Spring
	GRTN4080	Trigger Assembly-SEQ.

A	GRDAK1100	Driver Assembly Kit
B	GRRBK1100	Rebuild Kit
C	GRTSM200MAN	Operator's Manual
D	GRTSM200CASE	Tool Case

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: Adjust lower safety element tip up 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 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 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.
Fasteners drive too deeply.	AT TOOL: Adjust lower safety element tip down 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 nose for jammed fastener. Clear jam and reload magazine. Check staple strips for smooth feeding in magazine.
Tool won't operate - staple 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™ staples.
Tool leaks air.	Check for source of leak, and tighten fittings 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 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 **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 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 **PRIMESOURCE®** distribution center and directed to the nearest authorized service/warranty center.
- Logging on to our website at **www.primesourcebp.com** where you will find a list of our authorized service centers.
- Contact the **PRIMESOURCE®** 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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