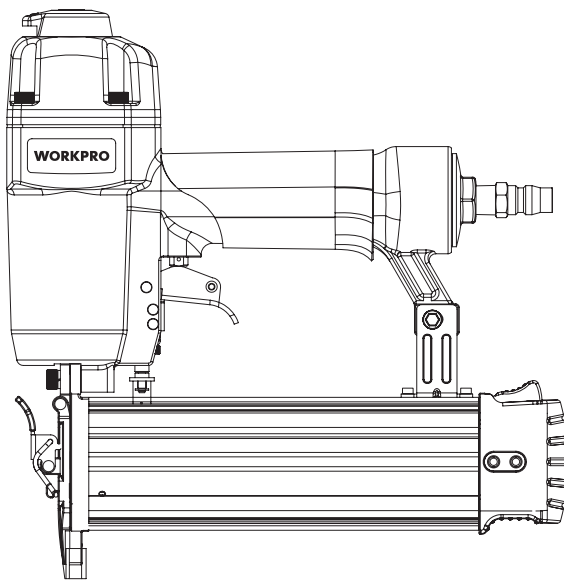


W181001A

WORKPRO

OPERATOR'S MANUAL 18 GAUGE BRAD NAILER



Thank you for buying a WORKPRO product. Your brad nailer has been engineered and manufactured to WORKPRO's high standard for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.



WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

SAVE THIS MANUAL FOR FUTURE REFERENCE

Distributed by :
Hangzhou Great Star Industrial Co., Ltd.
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Hangzhou 310019, China
www.greatstartools.com

TOOL SPECIFICATIONS

Nail capacity	100 pieces
Nail length	3/8 - 2 in (3/8, 5/8, 3/4, 1, 1-3/16, 1-1/4, 1-1/2, 1-9/16, 1-3/4, 2 in)
Fastener size	18 Gauge
Operating pressure	75 - 100 PSI (0.50 - 0.70MPa)
Max pressure	115 PSI (0.8MPa)

IMPORTANT SAFETY INSTRUCTIONS

WARNING!

Read and understand all instructions before using this tool. Failure to follow all instructions may result in electric shock, fire and/or personal injury. Keep this manual for the safety warnings and precautions, operating, inspection and maintenance instructions. When using this tool, basic precautions should always be followed to reduce the risk of personal injury and/or damage to the equipment. Note that when this manual refers to a part number, it refers to the parts list included.

WORK AREA

- **Keep your work area clean and well lit.** Cluttered and dark areas invite accidents.
- **Operate in a safe work environment.** Do not use in damp or wet locations. Do not expose to rain. Do not use in the presence of flammable gases or liquids.
- **Keep children, bystanders and visitors away from the work area.** Distraction can cause you to lose control. Do not let them handle tools, hoses or extension cords. No one should be in the work area if they are not wearing suitable protective equipment.
- **Store unused equipment.** When not in use, tools must be stored in a dry location to prevent rust. Always lock up tools and keep them out of reach of children

PERSONAL SAFETY

- **Dress properly, wear protective equipment.** Use eye, face, head, breathing and ear protection. Always wear ANSI approved impact safety goggles, which must provide both frontal and side protection. Protect your hands with suitable gloves. Wear a full face shield if your work creates metal filings or wood chips. Wear an ANSI approved dust mask or respirator when working around metal, wood and chemical dusts and mists. Wear ANSI approved earplugs. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear steel toed boots to prevent injury from falling objects.

- **Do not over reach; keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
- **Do not wear loose clothing or jewellery as they can be caught in moving parts.** Tie back long hair. These can be caught in moving parts, resulting in damage to the tool and/or serious injury.
- **Stay alert, watch what you are doing and use your common sense.** Do not operate any machine or tool when you are tired, under the influence of drugs, alcohol or medications.
- **Use clamps or other practical ways to secure and support the work piece to a stable platform.** Holding the work piece by hand or against your body is unstable and may lead to loss of control.

SPECIFIC SAFETY PRECAUTIONS

- **Do not point the tool at yourself, or others.** Keep hands, and any other body parts away from the nosepiece, this will help prevent injury.
- **Do not drive a fastener on top of a previously nailed fastener, or the fastener can ricochet causing personal injury.**
- **Do not drive any fasteners close to the edge of the work piece.** The work piece could split allowing a fastener to fly free or ricochet, causing personal injury.
- **Make sure the correct fasteners are being used, as specified.**

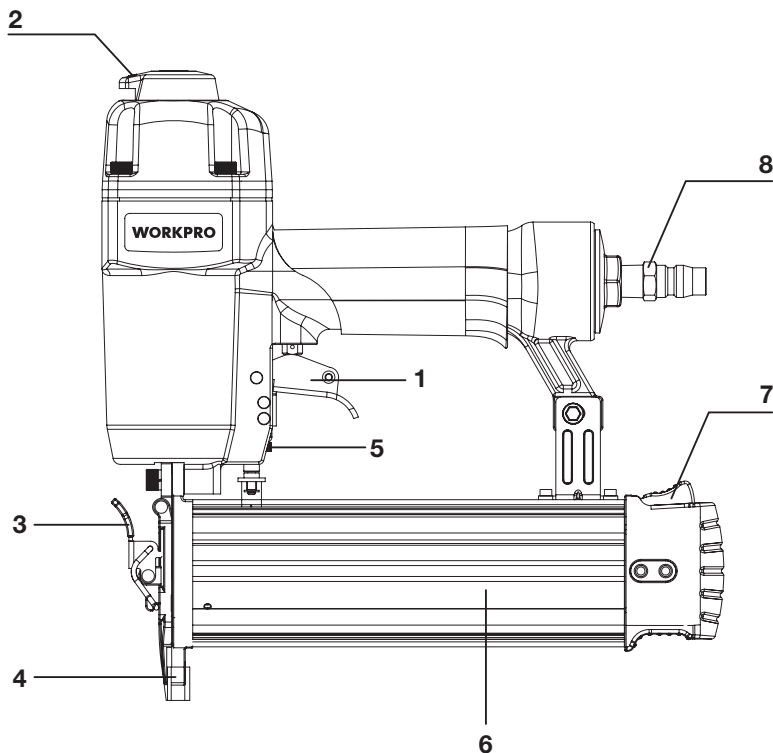
TOOL USE AND CARE

- **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. The tool will perform better and more safely at the task for which it was intended. Do not modify this tool or use for a purpose for which it was not designed.

IMPORTANT SAFETY INSTRUCTIONS

- **Maintain tools with care. Keep tools clean and in good condition for a better and safer performance.** Follow instructions for lubricating, reloading and changing accessories. Inspect tool fittings, alignment and hoses periodically and, if damaged, have them repaired by an authorized technician or replaced. The handle must be kept clean, dry and free from oil and grease at all times. A properly maintained tool reduces the risk of binding and is easier to control.
- **Avoid unintentional starts.** Be sure that the trigger is in neutral or OFF position when not in use and before connecting it to any air source. Do not carry the tool with fingers near or on the trigger.
- **Only use the lubricants supplied with the tool or specified by the manufacturer.** Other lubricants may not be suitable and may damage the tool.
- **When not in use for an extended period, apply a thin coat of lubricant to the steel parts to avoid rust.**
- **Maintain the label and name plate on the tool.** These carry important information. If unreadable or missing, contact Princess Auto for a replacement.

KNOW YOUR PRODUCT



- | | |
|-----------------------|---------------------------|
| 1. Trigger | 5. Depth adjustment wheel |
| 2. Rear exhaust | 6. Magazine |
| 3. Jam clearing latch | 7. Magazine release latch |
| 4. Contact trip | 8. Air inlet |

GENERAL OPERATION

- Disconnect air supply. Disconnect tools from air pressure source when not in use before cleaning, servicing or changing a piece or accessory. After disconnecting, discharge any residual air pressure.
- Do not use tools if the trigger switch does not function properly. Any tool that cannot be controlled with the ON/OFF switch is dangerous and must be repaired.
- Use proper size and type of air pressure line and fittings. The recommended air line for a tool with a 1/4 in. inlet is 3/8 in. I.D.
- Always verify prior to using a tool that the air source has been adjusted to the rated air pressure or within the rated air-pressure range. Over pressurizing a tool may cause bursting, abnormal operation, breakage of the tool or serious injury to persons. Use only clean, dry, regulated compressed air at the rated range as marked on the tool.
- Never use pure oxygen, carbon dioxide, combustible gases or any bottled gas as an air source for a tool. Such gases are capable of causing an explosion and serious injury to persons. Do not use an air source besides an air compressor to power this tool.

⚠ WARNING!

Turn off the air compressor, disconnect the air pressure hose and discharge any residual pressure inside the tool before changing accessories or making any adjustments to the tool. Failure to do so could result in severe injury, tool or property damage.

OPERATION

AIR SUPPLY LINE (SEE FIGURE 3)

⚠ DANGER!

Do not use oxygen, carbon dioxide, high-pressure compressed gas or bottled gases as the power source for this tool. The tool will explode and serious personal injury could result.

- The air tool operates on compressed air at pressures from 75-100 PSI
- Never connect the tool to air pressure which could potentially exceed 200 PSI. Use only clean, dry, regulated air within rate range as marked on tool.

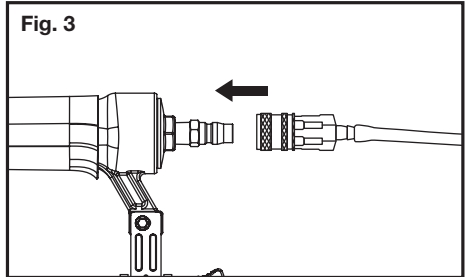
⚠ WARNING!

Keep hands and body away from discharge area of tool when connecting air supply. Always disconnect tool from air supply when servicing or adjusting tool and when tool is not in use.

To connect tool to air supply:

- Firmly hold tool by its handle with one hand. Be sure to point tool away from you and others in the area.
- With other hand, insert female coupling of air hose over male coupling of tool until hose coupling is firmly seated.

Fig. 3



OPERATION

LOADING (SEE FIGURES 4 & 5)

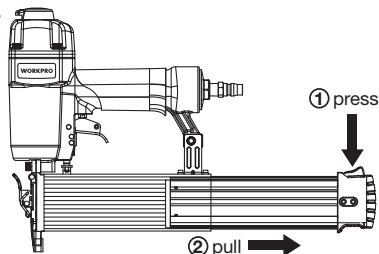
⚠ WARNING!

Disconnect tool from air supply. Do not load tool until you are ready to use it. Do not pull trigger or depress contact trip while loading tool. Make sure that the tool noseplate is securely closed before loading fasteners. Always load with nose of tool pointing away from you and others. Always wear safety goggles that comply with United States ANSI Z87.1.

Open the Magazine:

- ① Press the magazine cover release latch.
- ② Slide magazine cover open. (See Figure 4)

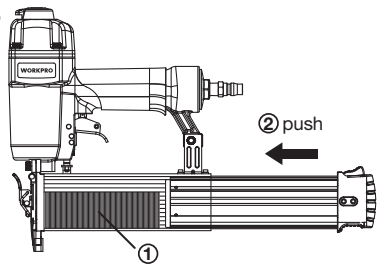
Fig. 4



Load Nails:

- ① Place nail strip so that the chisel points rest on the bottom of the magazine (See Figure 5).
- ② Close the magazine.

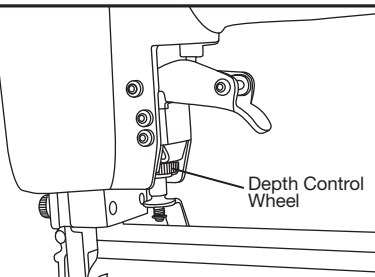
Fig. 5



TOOL-FREE DEPTH ADJUSTMENT(SEE FIGURE 6)

- The contact trip maybe adjusted up or down to vary the depth of the fastener in the workpiece. To adjust, rotate depth control wheel to raise or lower contact trip to desired setting.

Fig. 6



CLEARING A JAMMED FASTENER (SEE FIGURES 7 & 8)

⚠ WARNING!

Disconnect tool from air supply before attempting to clear jammed fastener. Depress the magazine cover release latch and slide the magazine cover open. Remove any remaining fasteners from the magazine.

i NOTE:

Fasteners are under spring pressure and may dislodge from the magazine.

- Grasp nose cover on both sides and pull outward until pin disengages from latch, then pull upward so that fastener guide plates wings away from Magazine.
- If necessary, use long nose pliers to remove the jammed fastener.
- Close fastener guide plate, hook pin into latch and snap noseplate closed.

OPERATION

Fig. 7

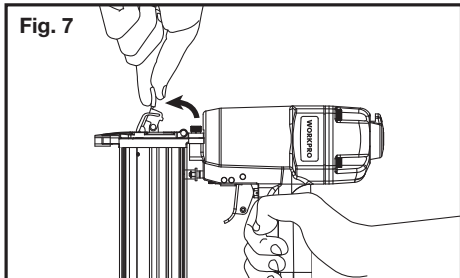
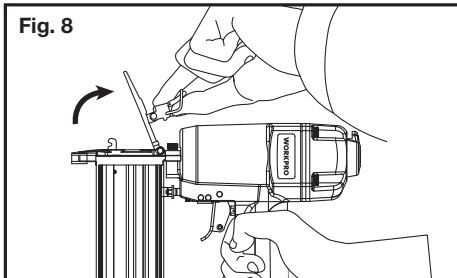


Fig. 8



MAINTENANCE

WARNING!

Disconnect the nailer from air supply before reloading, servicing or performing maintenance. Replace or repair damaged parts.

- Check for damaged parts. Before using any tool, any part that appears to be damaged should be carefully checked to determine that it will operate properly and perform its intended functions. Check for alignment and binding of moving parts, for broken parts or mounting fixtures, or for any other condition that may affect proper operation. Any part that is damaged should be repaired or replaced by a qualified technician.
- When servicing, use only identical replacement parts. Only use accessories intended for use with this tool. Replace damaged parts immediately. Non-authorized parts may be dangerous.
- Keep the tool clean. Wipe the tool with a clean cloth and periodically blow out all areas with compressed air. If compressed air is not available, use a brush to remove dust from all areas. Do not use harsh chemicals or solvents to clean the tool. Be sure to switch power OFF and disconnect the air source during maintenance and inspection.

- Regularly inspect all mountings and screws to ensure tightness. Should any screws become loose, tighten immediately.
- All air tools are packed in grease to prevent corrosion of internal parts during shipping and storage. We recommend you clean this out to have optimum performance from your new airtool. Add a generous amount of air tool oil in the air inlet, and then run the tool under no load until exhaust is clear to remove packing grease. For future maintenance, add only one or two drops of oil daily.

NOTE:

Never use a penetrating oil to lubricate the tool. Penetrating oil may act as a solvent that will break down the grease and cause the tool to seize up.

DISPOSING OF THE TOOL

If your tool has become damaged beyond repair, do not throw it out. Bring it to the appropriate recycling facility.

TROUBLE SHOOTING

The following form lists the common operating system with problem and solutions. Please read the form carefully and follow it.

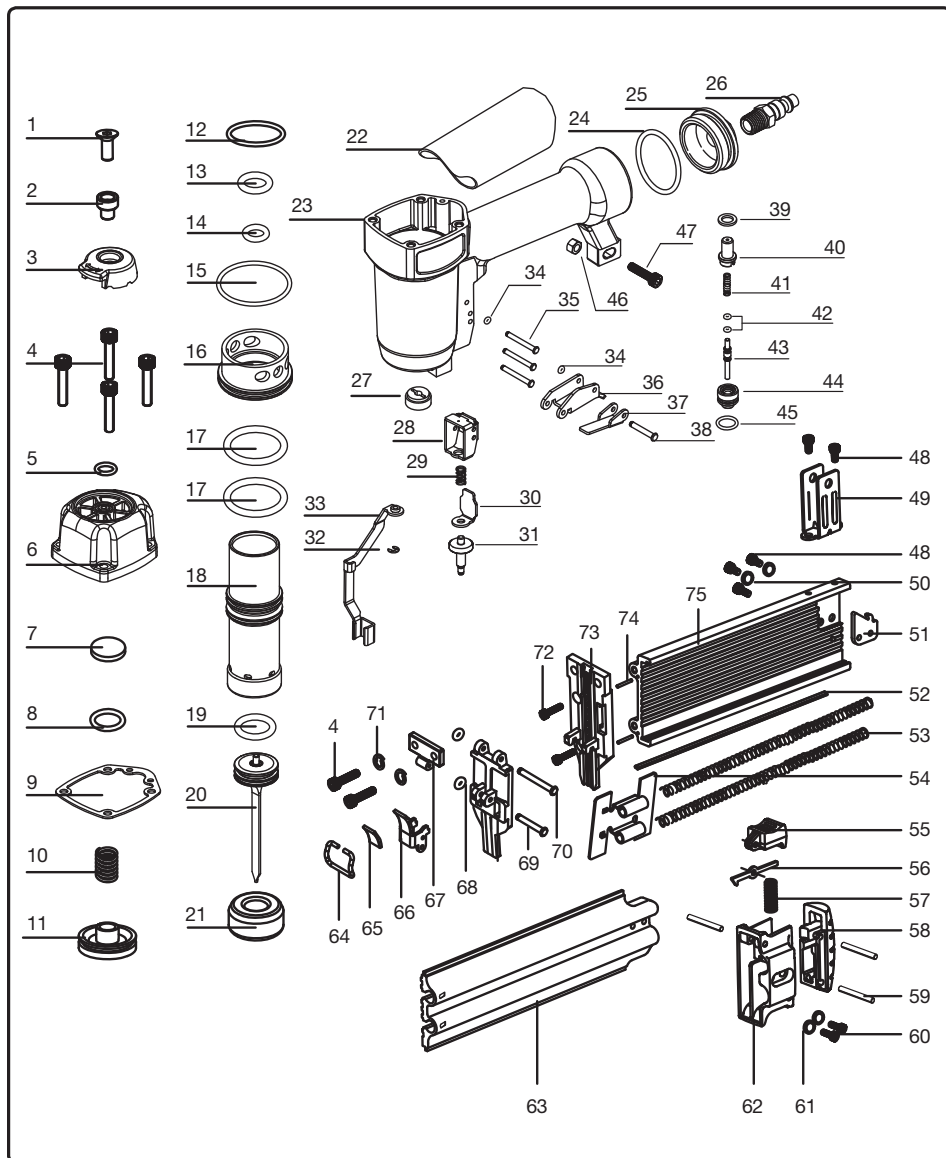
WARNING!

If any of the following symptoms appears during your operating, stop using the tool immediately, or serious personal injury could result. Only a qualified persons or an authorized service center can perform repairs or replacement of tool.

SYMPTOM	PROBLEM	SOLUTIONS
Air leak near top of the tool or in trigger area	1. O-ring in trigger valve is damaged. 2. Trigger valve head is damaged. 3. Trigger valve stem, seal or O-ring is damaged.	1. Check and replace O-ring. 2. Check and replace trigger valve head. 3. Check and replace trigger valve stem, seal or O-ring
Air leak near bottom of tool.	1. Loose screws. 2. Worn or damaged O-rings or bumper.	1. Tighten screws. 2. Check and replace O-rings or bumper.
Air leak between body and cylinder cap.	1. Loose screws. 2. Worn or damaged O-rings or seals.	1. Tighten screws. 2. Check and replace O-rings or seals.
Blade driving fastener too deep.	1. Worn bumper. 2. Air pressure is too high.	1. Replace bumper. 2. Adjust air pressure.
Tool does not operate well; cannot drive fastener or operates sluggishly.	1. Inadequate air supply. 2. Inadequate lubrication. 3. Worn or damaged O-rings or seals. 4. Exhaust port in cylinder head is blocked.	1. Verify adequate air supply. 2. Place 2 to 4 drops of oil into air inlet. 3. Check and replace O-rings or seals. 4. Replace damaged internal parts.
Tool misfires.	1. Worn bumper or damaged spring. 2. Dirt in front plate. 3. Dirt or damage prevents fasteners from moving freely in magazine. 4. Worn or dry O-ring on piston or lack of lubrication. 5. Cylinder cover seal is leaking.	1. Replace bumper or pusher spring. 2. Clean drive channel on front plate. 3. Magazine needs to be cleaned. 4. O-ring needs to be replaced and lubricated. 5. Replace sealing washer.
Tool Jams	1. Incorrect or damaged fasteners. 2. Damaged or worn driver guide. 3. Magazine or nose screw is loose. 4. Magazine is dirty.	1. Change and use correct fastener. 2. Check and replace the driver. 3. Tighten the magazine. 4. Clean the magazine.

IMPORTANT! Repairs should be carried out by a qualified person

PARTS DIAGRAM



NOTE:

The parts listed and displayed herein this manual are for tool service only. It is not indicated that all of them can be supplied. Technical changes might be made without any prior notification.

PARTS LIST FOR 18GA.2" BRAD NAILER

NO.	Description	Number	Qty	NO.	Description	Number	Qty
1	Hex Bolt	M4×14	1	40	Trigger Valve	F50C-220-03	1
2	Bush	9040G-100-02	1	41	Compression Spring	F50C-220-02	1
3	Exhaust Cover	9040G-100-01	1	42	O-Ring	2.2×1.5	1
4	Hex Bolt	M5×22	6	43	Trigger Valve Stem	F50G-220-02	1
5	O-Ring	7.8×1.9	1	44	Trigger Valve Guide	F50C-220-01	1
6	Cylinder Cap	F50G-10-02	1	45	O-Ring	11.2×1.9	1
7	Shim	F32/9032-100-04	1	46	Hex Nut	M5	1
8	O-Ring	13.6×2.4	1	47	Hex Bolt	M5×20	1
9	Cylinder Cap Gasket	F50G-100-01	1	48	Hex Bolt	M4×6	5
10	Compression Spring	F32/9032-100-05	1	49	Click Fixer	F50S-310-03	1
11	Head Valve Piston	F50G-100-03	1	50	Wash	4	2
12	O-Ring	33×2.62	1	51	Lock Plate	F50S-310-02	1
13	O-Ring	27.3×3.55	1	52	Inlaid Strip	F30YA-310-03	1
14	O-Ring	13.87×3.53	1	53	Compression Spring	F50C-320-04	2
15	O-Ring	40.3×2.5	1	54	Nail Pusher	F50C-320-01	1
16	Support Collar	F50G-200-02	1	55	Latch Holder	F50S-310-04	2
17	O-Ring	33.3×2.5	2	56	Latch	F50S-310-05	1
18	Cylinder	F50G-200-03	1	57	Compression Spring	PT18G-200-05	1
19	O-Ring	24.3×3	1	58	Washer	F50S-320-03	1
20	Driver	F50G-210-00A	1	59	Spring Pin	3×20	3
21	Bumper	F50G-200-04	1	60	Hex Bolt	M4×12	2
22	Rubber Grip	9040G-200-03	1	61	Washer	4	2
23	Body	F50G-200-01	1	62	Magazine End Stopper	F50S-320-02	1
24	O-Ring	34×3.5	1	63	Mobile Magazine	F50S-320-01	1
25	End Cap	F50C-200-02	1	64	Torsion Spring	F50S-320-04	1
26	Air Plug		1	65	Washer	F50C-330-02	1
27	Nozzle	F50C-200-06	1	66	Quick Release Latch	F50C-330-03	1
28	Safety Guide	F50G-230-01	1	67	Spacer	F50C-330-01	1
29	Compression Spring	F50G-230-04	1	68	Driver Guide Cover	F50G-330-05	1
30	Top Safety	F50G-230-02	1	69	Step Pin	3×18	1
31	Adjuster	F50G-230-03	1	70	Step Pin	3×14.8	1
32	Washer	3	1	71	Wash	5	2
33	Safety	F50G-340-01	1	72	Hex Bolt	M4×14	2
34	O-Ring	1.2×1.9	5	73	Driver Guide	F50G-310-01	1
35	Step Pin	3×26	3	74	Spring Pin	F50C-310-04	2
36	Trigger Body	F32/9032-230-01	1	75	Fixed Magazine	F50S-310-01	1
37	Trigger Plate	CN55-220-09	1				
38	Step Pin	3×16.7	1				
39	Seal	12.5×8×1.5	1				