



COIL ROOFING NAILER 120 PSI

ITEM # 44431



OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL. KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATION, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL, OR THE MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO SERIAL NUMBER

FOR QUESTIONS, PLEASE CALL CUSTOMER SERVICE: 909.628.0880

SAFETY WARNINGS

WARNING

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in injury and/or property damage. Save all warnings and instructions for future reference.

The warning and safety instructions in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when operating or cleaning tools and equipment. Always contact your dealer, distributor, service agent or manufacturer about problems or conditions you do not understand before operating the product.

WORK AREA SAFETY

- Keep the work area clean and well lit. Clutter or dark areas invite accidents.
- Use only clean, dry, regulated air. Condensation from an air compressor can rust and damage the internal workings of the tool.
- Keep children and bystanders away from the work area while operating the tool. Distractions can cause accidents.
- Regulate air pressure. Use air pressure compatible with ratings on the nameplate of the tool. (Not to exceed 120 psi, 8.3 bar).
- Do not remove, tamper with, or otherwise cause the tool, trigger, or contact trip to become inoperable. Do not tape or tie trigger or contact trip in the ON position. Do not remove spring from contact trip.
- Do not expose power tools to water or moisture. Water entering a power tool will increase the risk of electric shock.
- Do not use bottled gases to power this tool. Bottled compressed gases such as oxygen, carbon dioxide, nitrogen, hydrogen, propane, acetylene or air are not for use with pneumatic tools. Never use combustible gases or any other reactive gas as a power source for this tool. Danger of explosion and/or serious personal injury may result.
- Do not alter or modify the tool in any way.
- Inspect tool before use. Do not operate a tool if any portion of the tool, trigger, or contact trip is inoperable, disconnected, altered, or not working properly.

PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use personal protective equipment. Always wear ear and eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the tool in unexpected situations.

SAVE THESE WARNINGS.

PRODUCT INFORMATION

TECHNICAL DATA

- Weight (without fasteners): 6lbs
- Air inlet size: 1/4"
- Activation mode: Contact actuation
- Vibration in the handle: 0.71m/s^2 , $k=2$
- Max. allowable pressure: 8.3 bar
- Recommended allowable pressure range: 5 to 7.5 bar
- A weighted sound pressure level: 95.5dB(A), $k=3\text{dB(A)}$
- Sound power level: 108.5dB(A), $k=3\text{dB(A)}$
- Max Lpc: 126.4dB
- Recommended lubricant: White mineral oil 16#

FASTENER

Fastener size: Dia.2.5-3.05mm; Nail length: 19,22,32,38,45mm; Magazine capacity: 120pcs.

ACCESSORIES

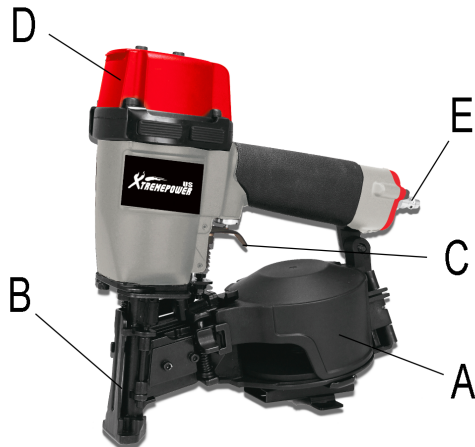
- Hexagon Key
- Goggles
- Lubricant
- Operating instructions

DESCRIPTION / FEATURES

- Use 15 degree 19mm(3/4") to 45mm(1-3/4") wire collated roofing nails.
- Steel contact safety with dual carbide inserts for less wear.
- Soft grip for comfort and control.
- Delivers the power to consistently drive nails in the toughest applications.
- Big loading capacity magazine will fasten a full bundle of shingles without reloading.

LOCATION OF PARTS

- A. Magazine
- B. Safety yoke
- C. Trigger
- D. Exhaust Vent
- E. Air Quick Coupler



INSTRUCTIONS

This standard requires that:

- Only those fasteners which are specified in the operating instructions (see TECHNICAL DATA) shall be used in fastener driving tools. The fastener driving tool and the fasteners specified in the operating instructions are to be considered as one unit safety system.
- Quick action couplings shall be used for connection to the compressed air system and the non-sealable nipple must be fitted at the tool in such a way that no compressed air remains in the tool after disconnection.
- Oxygen or combustible gases shall not be used as an energy source for compressed air operated fastener driving tools;
- Fastener driving tools shall only be connected to an air-supply where the maximum allowable pressure of the tool cannot be exceeded by more than 10%;in the case of higher pressure, a pressure reducing valve which includes a downstream safety valve shall be built into the compressed air supply.
- only spare parts specified by the manufacturer or his authorized representative shall be used in the repair of fastener driving tools;
- repairs shall be carried out only by the manufacturers authorized agents or by other experts, having due regard to the information given in the operating instructions.
- stands for mounting the fastener driving tools to a support, for example to a work table, shall be designed and constructed by the stand manufacturer in such a way that the fastener driving tools can be safely fixed for the intended use, thus for example avoiding damage, distortion, displacement.

Special fields of application for the fastener driving tool may require the observance of additional provisions and regulations.

- Only the main energy and lubricants listed in the operating instructions may be used;
- Fastener driving tools marked with an inverted equilateral triangle standing on one point may only be used with an effective safety yoke;
- For the maintenance of fastener driving tools, only spare parts specified by the manufacturer or his authorized representative shall be used;
- Repairs shall be carried out only by agents authorized by the manufacturer or by other specialists, having due regard to the information given in the operating instructions;

NOTE: Specialists are those who as a result by professional training or experience, have sufficient expertise in the field of fastener driving tools and sufficient familiarity with relevant governmental industrial protection provisions, accident prevention regulations, directives and generally recognized technical regulations to be able to assess the safe working condition of fastener driving tools.

NOISE EMISSION

The characteristic noise values for the fastener driving tool have been determined in accordance with EN12549: 1999 and EN ISO4871"Acoustics-Noise test code for fastener driving tools-Engineering method"(see Technical Data).

These values are tool-related characteristic values and do not represent the noise development at the point of use. Noise development at the point of use will for example depend on the working environment, the work piece, the work piece support and the number of driving operations, etc.

Depending in the conditions at the workplace and the form of the workplace, individual noise attenuation measures may need to be carried out, such as placing work pieces on sound-damping supports, preventing work piece vibration oy means of clamping or covering, adjusting to the minimum air pressure required for the operation involved, etc.

It is necessary to wear hearing protection equipment.

INFORMATION ON MECHANICAL IMPACT (VIBRATION)

The characteristic vibration values for the fastener driving tool have been determined in accordance with ISO 8662-11:1999 and EN 12096 - Measurement of vibration in hand-held power tools - Part 11 :Fastener driving tools(see Technical Data).This value is a tool-related characteristic value and does not represent the influence to the hand-arm-system when using the tool. An influence to the hand-ami-system when using the tool will for example depend on the gripping force, the contact pressure force, the working direction, the adjustment of energy supply, the workplace, the work piece support.

SAFETY OF THE FASTENER DRIVING TOOL

- Check prior to each operation that the safety and triggering mechanism is functioning properly and that all nuts and bolts are right.
- Do not carry out any alterations to the fastener driving tool without the manufactures authorization.
- Do not disassemble or make inoperative any parts of the fastener driving tool such as the safety yoke.

- Do not perform any "emergency repairs" without proper tools and equipment.
- The fastener driving tool should be serviced properly and at regular intervals in accordance with the Manufacturer's instructions.
- Avoid weakening or damaging the too, for example by:punching or engraving;modification not authorized by the manufacturer; guiding against templates made of hard material such as steel; use the equipment as a hammer; applying excessive force of any kind.

SAFETY AT WORK

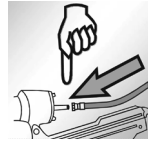
Never point any operational fastener driving tool at yourself or at any other person or animals. Hold the fastener driving tool during the work operation in such a way that no injuries can be caused to the head or to the body in the event of possible recoil consequent upon a disruption in the energy supply or hard areas within the workplace.

Never actuate the fastener driving tool into free space. This will avoid any hazard caused by free flying fasteners and excessive strain of the tool. The tool shall be disconnected from the compressed air system for the purpose of transportation,



OPERATION

especially where ladders are used or where an unusual physical posture is adopted whilst moving(see Fig 3). Carry the fastener driving tool at the workplace using only the handle, and never with the trigger actuated. Take conditions at the workplace into account. Fasteners can penetrate thin work pieces or slip off corners and edges of workplaces, and thus put people at risk. For personal safety, use protective equipment such as hearing and eye protection.



IMPORTANT: DO NOT direct the adjustable vent hole to the operator or other person or animals during the use.

TRIGGERING DEVICES

Fastener driving tools are operated by actuating the trigger using finger pressure. In addition, fastener driving tool is fitted with a safety yoke which enables the driving operation to be carried out only after the muzzle of the tool is pressed against a work piece, These tool are marked with an inverted triangle behind the serial number and are not permitted for use without an effective safety yoke.

ACTUATING SYSTEMS

Depending on their purpose, fastener driving tool is fitted with single sequential actuating system and contact actuation system. You could switch to one nail figure to choose single sequential actuation, and switch to two nail figure to choose contact actuator. Fastener driving tools with a safety yoke.

- Single sequential actuation: An actuating system in which the trigger and the safety yoke have to be activated so the only one single driving operation is actuated via the trigger after the muzzle of the tool has been applied to the driving location, Thereafter further driving operations can only be performed after the trigger has been returned to the non driving position whilst the safety yoke remains depressed.

- Contact actuation (restricted version):An actuating system in which the trigger and the safety yoke have to be actuated for each driving operation, with the order of actuation not being specified .For repeated driving operations, it is sufficient if either the trigger remains activated and the safety yoke is activated thereafter, or vice versa.

Fastener driving tools equipped with contact actuation must be marked with the symbol" Do not use on scaffoldings, ladders' (see Fig.4) and shall not be used for specific application for example:

- when changing one driving location to another involves the use of scaffoldings, stairs, ladders, or ladder alike constructions, e.g. roof laths;
- closing boxes or crates;
- fitting transportation safety systems e.g. on vehicles and wagons.



Colors:

Red on white ground

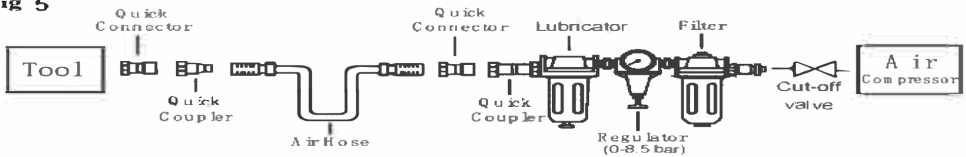
fastener driving tools and ladder black

COMPRESSED AIR SYSTEM

NOTE: When compressed air is generated by compressors, the natural moisture in the air condenses and collects as condensed water in pressure vessels and pipelines. This condensate must be removed by water separators. These water separators must be checked on a daily basis and if necessary drained, since corrosion can otherwise develop in the compressed air system and in the fastener driving tool, which serves to accelerate wear.

The compressor plant shall be adequately dimensioned in terms of pressure output and performance (volumetric flow) for the consumption which is to be expected. Line sections which are too small in relation to the length of the line (pipes and hoses), as well as overloading the compressor, will result in pressure drops. Permanently laid compressed air pipelines should have an internal diameter of at least 19 mm and a corresponding large diameter where relatively long pipelines or multiple users are involved. Compressed air pipelines should be laid so as to form a gradient (highest point in the direction to the compressor). Easily accessible water separators should be installed at the lowest points. Junctions for users should be joined to the pipelines from above. Connecting points for fastener driving tools should be fitted with a compressed air servicing unit (filter/water separator/oiler) directly at the junction point. Oilers must be checked on a daily basis and if necessary topped up with the recommended grade of oil (see TECHNICAL DATA). Where hose lengths of over 10 m are used, the oil supply for the fastener driving tool cannot be guaranteed. We therefore recommend that 2 to 5 drops (depending on the loading of the fastener driving tool) of the recommended oil (see TECHNICAL DATA) should be added via the air inlet of the tool, or an oiler attached directly to the fastener driving tool. (See fig 5)

Fig 5



PREPARING A TOOL FOR FIRST TIME OPERATION

Please Read and observe these Operating Instruction before using the tool. Basic safety measures should always be strictly followed to protect against damage to the equipment and personal injury to the user or other people working in the vicinity of operation.

CONNECTION TO THE COMPRESSED AIR SYSTEM

Ensure that the pressure supplied by the compressed air system does not exceed the maximum allowable pressure of the fastener driving tool. Set the air pressure initially to the lower value of the recommended allowable pressure (see TECHNICAL DATA).

Empty the magazine to prevent a fastener from being ejected at the next stage of work in the event that internal parts of the fastener driving tool are not in the starting position following maintenance and repair work or transportation.

Connect the fastener driving tool to the compressed air supply using suitable pressure hose equipped with quick-action connectors.

Check for proper functioning by applying the muzzle of the fastener driving tool to a piece of wood or wooden material and actuating the trigger once or twice.

FILLING THE MAGAZINE

Only those fasteners specified under TECHNICAL DATA (see 1.1) may be used

When filling the magazine, hold the tool so that the muzzle is not pointing towards the operator or any other person or animals.

HANDLING THE TOOL

Pay attention to 2-Special Reference of these operating instructions.

Having checked that the fastener driving tool is functioning correctly, apply the tool to a work piece and actuate the trigger.

Check whether the fastener has been driven into the work piece in accordance with the requirements - if the fastener is protruding, increase the air pressure in increments of 0.5 bar, checking the result after each new adjustment;

- if the fastener is driven into an excessive depth reduce the air pressure in increments of 0.5 bar until the result is satisfactory. You should endeavor in any event to work with the lowest possible air pressure. This will give you three significant advantages;

1. energy will be saved,
2. less noise will be produced,
3. a reduction in fastener driving tool wear will be achieved.

Avoid triggering the fastener driving tool if the magazine is empty. Any defective or improperly functioning fastener driving tool must immediately be disconnected from the compressed air supply and passed to a specialist for inspection. In the event of longer breaks in work or at the end of the working shift, disconnect the tool from the compressed air supply and it is recommended to empty the magazine. The compressed air connectors of the fastener driving tool and the hoses should be protected against contamination. The ingress of coarse dust chips, sand etc, will result in leaks and damage to the fastener driving tool and the couplings.

MAINTENANCE

Disconnect the tool from the compressor before adjusting, clearing jams, servicing & maintenance, relocating and during non operation. Regular lubrication, if your tool without using the in-liner automatic oilier, place 2 or 6 drops of pneumatic tool oil into the air inlet before each work day or after 2 hours of continuous use depending in the characteristic of workpiece or type of fasteners.

Air-operated tools must be inspected periodically, and worn or broken parts must be replaced to keep the tool operating safely and efficiently. Check and change all worn or damaged O-ring, Seals, etc. Tight all the screws and caps in case personal injury. This should be done by an expert.

Make regular inspection for free movement of trigger, Spring and safety mechanism to assure safe system is complete and functional: no loose and missing parts, no building or stocking parts.

Keep magazine and nose of tool clean and free of any dirt lint or abrasive particles.

When temperatures are below freezing, tools should be kept warm by any convenient, safe method.

TROUBLESHOOTING (See table 1)

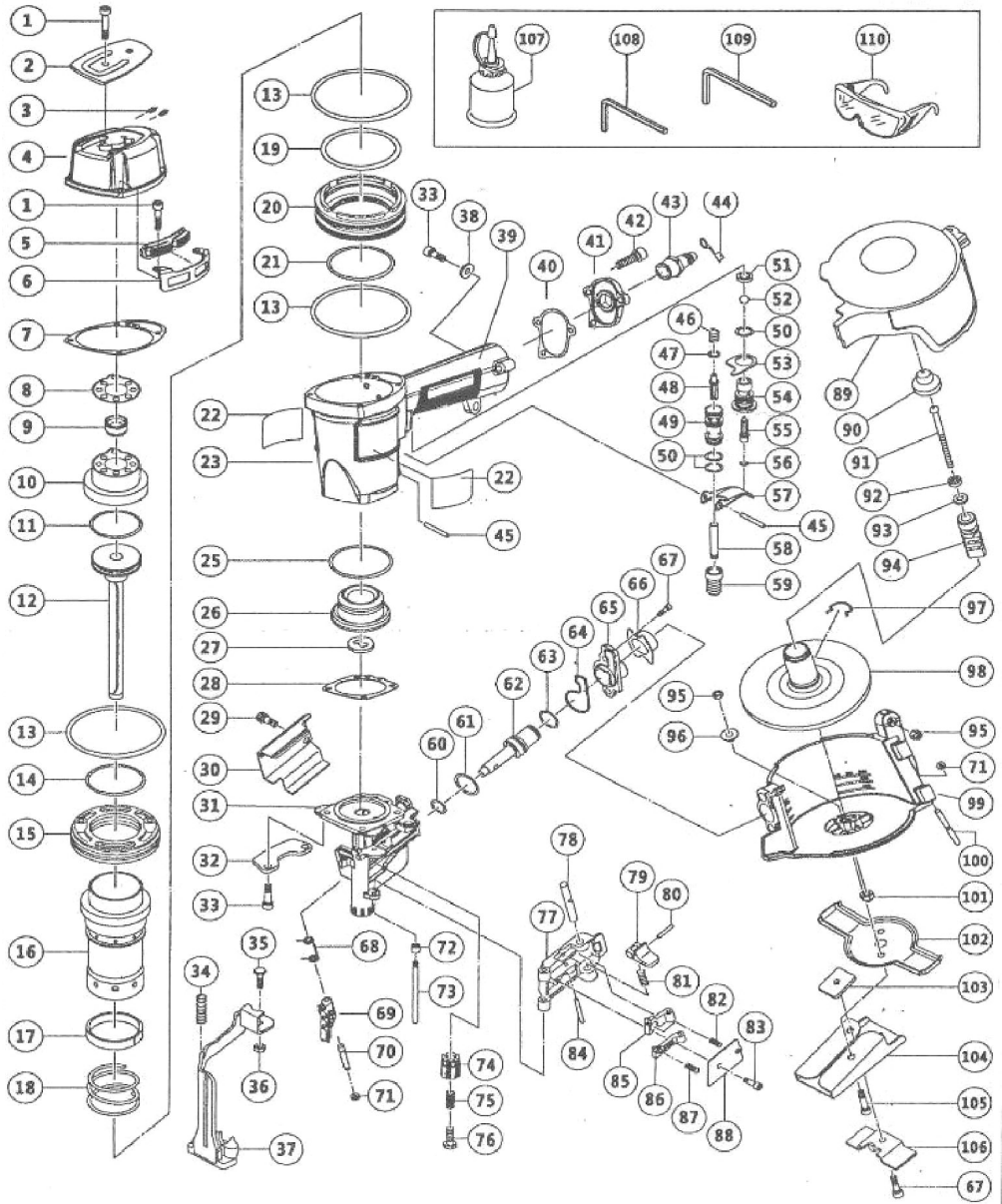
The following form lists the common operating system with problem and solutions. Please read the form carefully and follow it. If any of the following symptoms appears during your operating, stop using the tool immediately, or serious personal injury could result. Only a qualified persons or an authorized service center can perform repairs or replacement of tool.

Disconnect tool from air supply before attempting repair or adjustment. When replacing O-rings or Cylinder, lubricate with air tool oil before assembly.

MAINTENANCE

SYMPTOM	PROBLEM	SOLUTIONS
Air leak near top of tool or in trigger area	<ol style="list-style-type: none"> 1. O-ring in trigger valve is damaged. 2. Trigger valve head are damage. 3. Trigger valve stem, seal or O-ring are damaged. 	<ol style="list-style-type: none"> 1. Check and replace O-ring. 2. Check and replace. 3. Check and replace trigger valve stem, seal or O-ring
Air leak near bottom of tool.	<ol style="list-style-type: none"> 1. Loose screws. 2. Worn or damaged O-rings or bumper. 	<ol style="list-style-type: none"> 1. Tighten screws. 2. Check and replace O-rings or bumper.
Air leak between body and cylinder cap.	<ol style="list-style-type: none"> 1. Loose screws. 2. Worn or damaged O-rings or seals. 	<ol style="list-style-type: none"> 1. Tighten screws. 2. Check and replace O-rings or bumper.
Blade driving fastener too deep.	<ol style="list-style-type: none"> 1. Worn bumper. 2. Air pressure is too high. 	<ol style="list-style-type: none"> 1. Replace bumper. 2. Adjust the air pressure.
Tool does not operate well: can not drive fastener or operate sluggishly.	<ol style="list-style-type: none"> 1. Inadequate air supply. 2. Inadequate lubrication. 3. Worn or damaged O-rings or seals. 4. Exhaust port in cylinder head is blocked. 	<ol style="list-style-type: none"> 1. Verify adequate air supply. Place 2 or 6 drops of oil into air inlet. 2. Check and replace O-rings or seal. 3. Replace damaged internal parts.
Tool skips fasteners.	<ol style="list-style-type: none"> 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 covers seal leaking. 	<ol style="list-style-type: none"> 1. Repalce 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 lubricate. 5. Replace Sealing washer.
Tool jams.	<ol style="list-style-type: none"> 1. Incorrect or damaged fasteners. 2. Damaged or worn driver guide. 3. Magazine or nose screw loose. 4. Magazine is dirty. 	<ol style="list-style-type: none"> 1. Change and use correct fastener. 2. Check and replace the driver. 3. Tighten the magazine. 4. Clean the magazine.

PARTS INFORMATION



PARTS INFORMATION

DESCRIPTION		QTY		DESCRIPTION		QTY
1	Hex. Socket HD. Bolt	2	54	Trigger Plunger		1
2	Exhaust Cover	1	55	O-ring(2.8x1.8)		1
3	Bolt M5x6	2	56	Trigger		1
4	Cylinder cap	1	57	Pushing Lever		1
5	Protector	2	58	Bumper Sheet		1
6	Body Guard	2	59	O-ring (8.75x1.8)		1
7	Gasket (F)	1	60	Feed Piston O-ring (14.2x1.9)		1
8	Gasket (G)	1	61	Feed Piston		1
9	Seal plug	1	62	O-ring (11.2x1.8)		1
10	Exhaust Valve	1	63	Gasket		1
11	O-ring (30.5x3.5)	1	64	Feed Piston Cover		1
12	Piston (H)	1	65	Magazine Bushing		1
13	O-ring (65x2)	3	66	Hex. Socket HD.Bolt M5x10		3
14	O-ring (41.5x2.4)	1	67	Feeder Spring		1
15	Cylinder O-ring (A)	1	68	Feeder		1
16	Cylinder	1	69	Feeder Shaft		1
17	Cylinder Ring	1	70	Feeder Shaft Ring		2
18	Cylinder Spring	1	71	Shaft Ring		1
19	O-ring (56x2.4)	1	72	Nail Guide Shaft		1
20	Cylinder O-ring (B)	1	73	Adjuster		1
21	O-ring (47x2.4)	1	74	Adjuster Spring		1
22	Label	2	75	Bolt		1
23	Body Ass'y	1	76	Nail Guide		1
24	O-ring (43.5x2.65)	1	77	Lock Shaft		1
25	Piston Bumper	1	78	Guide Lock		1
26	Sealing washer	1	79	Roll Pin D3x10		1
27	Housing gasket	1	80	Spring		1
28	Hex.Socket HD.Bolt	2	81	Main Stopper Spring		1
29	Guard	1	82	Hex. Socket HD.Bolt M4x10		2
30	Nose	1	83	Roll Pin D3x28		1
31	Nose Guard	2	84	Main Nail Stopper		1
32	Hex.Socket HD.Bolt M5x25	9	85	Nail Stopper		1
33	Spring	1	86	Sub Stopper Spring		1
34	Safety Bolt	1	87	Nail Guide Cover		1
35	Nut MS	1	88	Magazine Cover		1
36	Safety yoke	1	89	Holder Cap		1
37	Washer	1	90	Machine screw M4x50		1
38	Grip Rubber	1	91	Spring Washer D4		1
39	Gasket	1	92	Washer D4		1
40	Cap	1	93	Holder Shaft		1
41	Hex.Socket HD.Bolt M5x20	3	94	U-Nut M5		2
42	Air inlet plug	1	95	Sleeve		1
43	Air inlet plug case	1	96	Ratchet Spring		1
44	Roll pin 3x30	2	97	Nail Holder		1
45	Plunger Spring	1	98	Magazine		1
46	Plunger O-ring 3x1.8	1	99	Pin		1
47	Plunger	1	100	Nut M4		1
48	Valve Bushing	1	101	Magazine Guard		1
49	O-ring (11.8x1.5)	3	102	Plate Nut		1
50	Valve Packing	1	103	Guide Base		1
51	Urethane Ball (c) D7.14	1	104	Hex.Socket HD.Bolt M5x14		2
52	Valve Plate	1	105	Shingle Guide		1
53	Trigger Valve Bushing	1				

DISCLAIMER

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

The material in this manual is for informational purposes only. The product(s) it describes are subject to change without prior notice, due to the manufacturer's continuous development program. XtremePowerUS makes no representations or warranties with respect to this manual or with respect to the products described herein. XtremePowerUS shall not be liable for any damages, losses, costs or expenses, direct, indirect or incidental, consequential or special, arising out of, or related to the use of this material or the products described herein.

Questions, issues or missing parts?

Before returning to your retailer, our customer service team is here to help.



Call Us: 909.628.0880

Email Us: customer@xtremepowerusa.com

Hours of Operation: 9am - 3pm PST Monday - Friday

MADE IN CHINA