



Pneumatic Coil Nailer

User Manual

[Revision 3.0 March 2018]

READ THIS MANUAL CAREFULLY BEFORE USE AND KEEP FOR FUTURE REFERENCE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

TABLE OF CONTENTS

IMPORTANT SAFETY INSTRUCTIONS.....	1
FASTENER SPECIFICATIONS.....	4
TECHNICAL SPECIFICATIONS	5
IN THE BOX.....	5
OPERATING INSTRUCTIONS.....	6
Foreword	6
Power Source.....	6
Preparing the Tool.....	7
USING THE TOOL	8
Firing Fasteners	8
Clearing a Jammed Fastener	9
MAINTENANCE	10
Clean and Inspect the Tool Daily	10
Service and Repairs	10
TROUBLESHOOTING	11
EXPLODED PARTS DRAWING	13
PARTS LIST.....	14

IMPORTANT SAFETY INSTRUCTIONS

ENSURE THAT NO PART OF ANY HUMAN, ANIMAL OR CLOTHING IS PLACED IN/NEAR THE AREA WHERE NAILS ARE FIRED OUT OF THE GUN, REGARDLESS OF WHETHER YOU THINK THE GUN IS EMPTY OR LOADED WITH NAILS.

PLEASE MAKE CERTAIN THAT THE PERSON WHO IS TO USE THIS EQUIPMENT CAREFULLY READS AND UNDERSTANDS THESE INSTRUCTIONS BEFORE STARTING OPERATIONS.

WARNING: When using pneumatic tools, basic safety precautions should always be followed to reduce the risk of personal injury, including the following:

READ AND FOLLOW ALL INSTRUCTIONS.

There are certain applications for which this tool was designed. We strongly recommend that this tool **SHOULD NOT** be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application, please contact your local seller.

1. KEEP WORKING AREA CLEAN.

Cluttered areas invite injuries.

2. DON'T ALLOW CHILDREN IN THE WORKING AREA.

Do not let them handle the tool.

3. USE SAFETY GLASSES.

To prevent eye injuries, the tool operator and all persons in/near the working area must wear safety glasses with permanently attached, rigid, plastic side shields. These safety glasses must conform to ANSI Z87.1 requirements (approved glasses have "Z87" printed or stamped on them.)

4. USE EAR PROTECTION.

The working area may be exposed to high noise levels that can lead to hearing damage.

5. DRESS SAFELY.

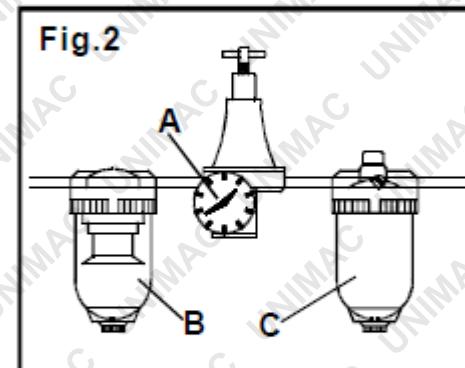
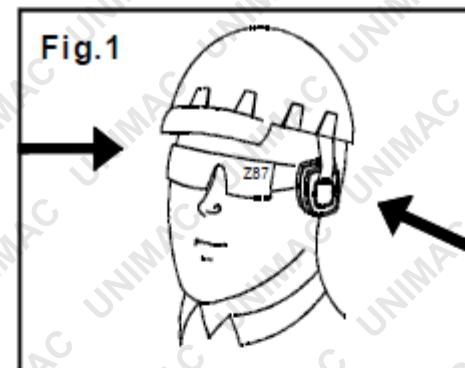
Protective gloves and non-skid footwear or safety shoes are recommended when working with and operating this tool. Don't wear loose clothing or jewellery. They can get caught in moving parts. Also, wear a protective hair covering to prevent long hair from getting caught in the tool.

6. USE ONLY CLEAN, DRY AND REGULATED compressed air at 70 to 120 PSI (5 to 8.3 BAR).

7. NEVER USE OXYGEN, CARBON DIOXIDE, combustible gases or any other bottled gas as a power source for this tool.

8. DO NOT CONNECT THE TOOL to pressure levels that potentially exceed 180 PSI (12.3 BAR).

9. USE ONLY AN AIR HOSE THAT IS RATED for 150% of the maximum system pressure. Please try to use a hose of ID 3/8" connecting nailer with compressor.



10. DO NOT OPERATE THE TOOL NEAR ANY COMBUSTIBLE, or any other easily-explosive material; don't operate the tool under conditions that easily produce corrosions, rusting and environments with heavy dust in the atmosphere.

11. DISCONNECT THE TOOL FROM THE AIR SUPPLY HOSE before doing any tool maintenance, clearing a jammed fastener, leaving the work area, moving the tool to another location, or handing the tool to another person.

12. DISCONNECT ONLY THE QUICK CONNECTOR with the body tail portion of the air inlet, no compressed air can be guaranteed when disconnecting. If operating the tool is not correct, it can remain charged with air after being disconnected and still be able to fire a fastener, causing personal injury.

13. REPLACE PARTS AND ACCESSORIES.

Use only the same replacement parts while servicing. Approved accessories and replacements parts are available.

14. BEFORE USING THE TOOL, check carefully if there are any parts that are damaged to obtain ideal results. Do not use the tool if the tool has any air leaks, uncompleted, damaged parts or if it needs to be repaired.

15. NEVER USE THE TOOL if the safety, trigger or spring is inoperable, missing or damaged. Do not alter or remove the safety, trigger or springs. Make daily inspections of the free movements of the trigger and safety mechanism.

16. USE ONLY PARTS AND FASTENERS that are recommended by the seller.

17. CONNECT THE TOOL TO AN AIR SUPPLY before loading fasteners to prevent a fastener from being fired during the connection. The tool-driving mechanism may cycle when the tool is connected to the air supply. When not in use, remove all of the fasteners from the nail housing.

18. ALWAYS ASSUME THAT THE TOOL CONTAINS FASTENERS.

Keep the tool pointed away from yourself and others at all times. Do not fool around with/around the tool. Respect the tool as a working implement.

19. DO NOT LOAD FASTENERS with the trigger or safety depressed to prevent any unintentional firing of a fastener.

20. REMOVE YOUR FINGER FROM THE TRIGGER when not driving fasteners. Never carry the tool with finger on the trigger; tool will fire a fastener if the safety is bumped while the trigger is depressed.

21. DON'T OVERREACH. Keep proper footing and balance at all times when using or handling the tool.

22. FIRE FASTENERS INTO WORK SURFACES ONLY: NEVER into materials that are too hard to penetrate.

23. GRIP THE TOOL FIRMLY TO MAINTAIN CONTROL while allowing the tool to recoil away from the work surface as a fastener is being driven. If the safety bracket is allowed to contact the work surface again before the trigger is released, an unwanted fastener will be fired.

Fig.4

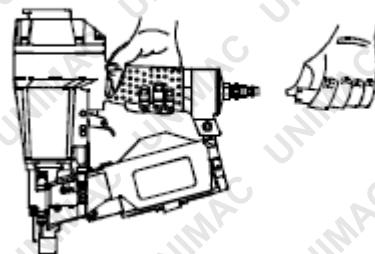


Fig.5

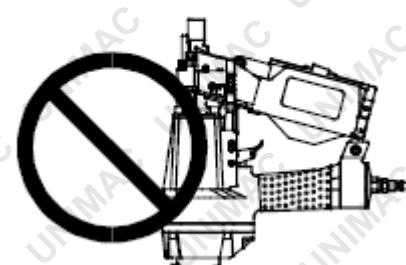


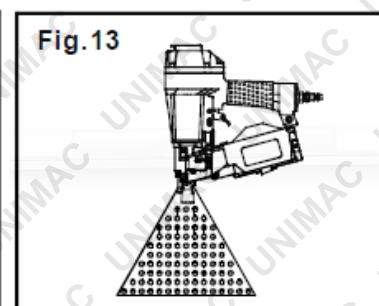
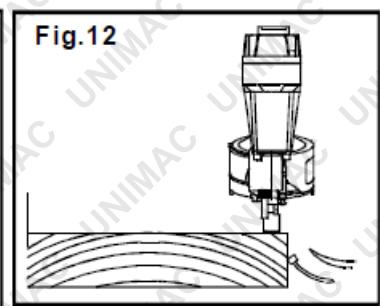
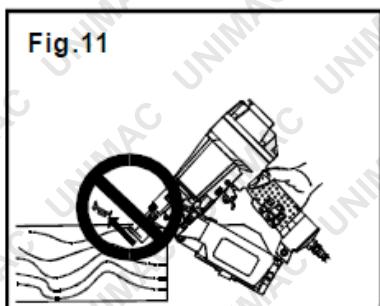
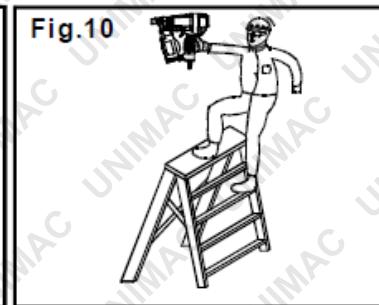
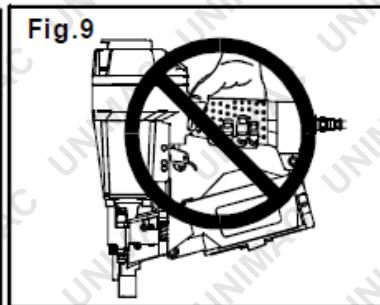
Fig.6



Fig.7

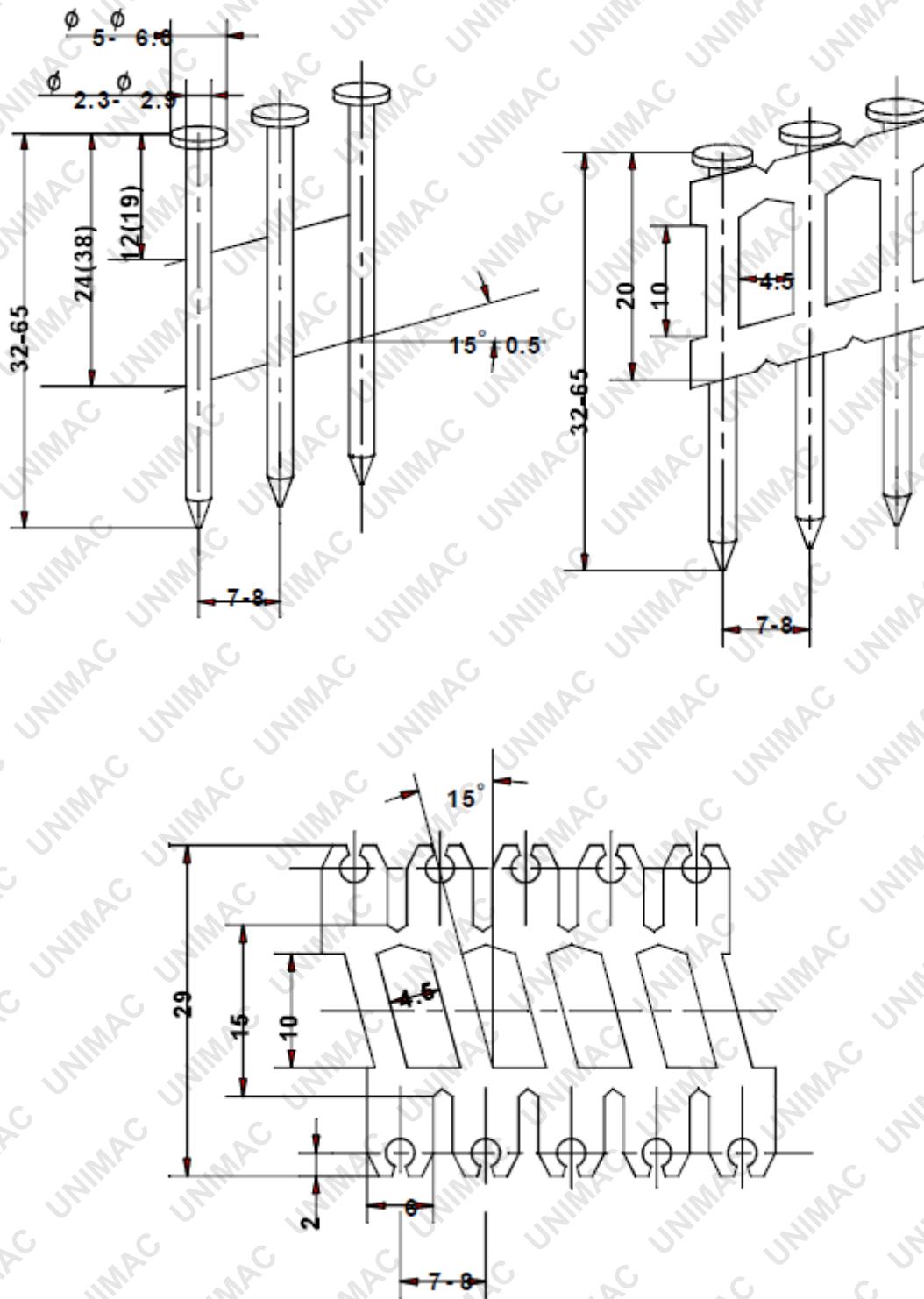


24. **DO NOT DRIVE FASTENERS** on top of other fasteners, or with the tool at too steep an angle: the fasteners can ricochet, causing personal injury.
25. **DO NOT DRIVE FASTENERS CLOSE TO THE EDGE OF THE WORK PIECE.** The work piece is likely to split, allowing the fastener to fly free or ricochet, causing personal injury.
26. **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate any tool when you are tired.
27. **KEEP HANDS AND BODY PARTS AWAY** from the area shown in Figure 13 to avoid injuries.
28. **THIS TOOL IS EQUIPPED WITH AN ADJUSTER** that can adjust the driving depth. When adjusting the driving depth, first disconnect the tool from the air supply and rotate the knob of the adjuster by hand until it is satisfactory.
29. **WHEN NOT IN USE**, tool should be cleaned and put back into the packaging box. For safety reasons, keep out of reach of children.



FASTENER SPECIFICATIONS

Only use recommended the fasteners.



TECHNICAL SPECIFICATIONS

MATERIAL	Steel/Plastic
NAIL ANGLE	15 degrees
WORKING PRESSURE	70-120PSI
AIR INLET SIZE	1/4" NPT
TYPE	Wire and plastic collated
CAPACITY	250-300pcs
NAIL LENGTH	32-65mm
NAIL DIAMETER	2.3-2.9mm
HEAD DIAMETER	5-7mm
PRODUCT DIMENSION (L X W X H)	320 x 125 x 320mm
PRODUCT WEIGHT	3.5kg
NOTE	Fasteners are standard and can be purchased at hardware stores

IN THE BOX

1 X	CB700 Coil Nailer
1 X	Carry Case
1 X	Safety Goggles
1 X	Oil Lubrication in bottle
1 X	Allen Key

OPERATING INSTRUCTIONS

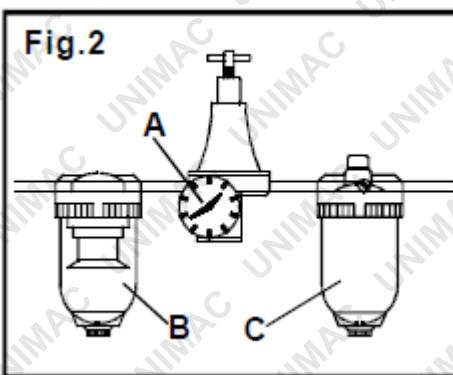
FOREWORD

The Pneumatic Air Coil Nailer is a heavy duty, coil-fed, pneumatic nailer using compressed air as a power source. It is designed to install 1 – 1/4" to 2 – 1/2" or 0.091" – 0.114" diameter nails of various lengths. It is widely used for the connections of frame and of both frame and felt. The tool has a magnesium alloy body and the cylinder cap is made of a light material that provides, high specific strength and rigidity.

POWER SOURCE

This tool is designed to operate on clean, dry, compressed air at regulated pressures between 70 and 120 PSI (4.9 and 8.3 bar).

The preferred system would include a filter (C) Fig.2, a pressure regulator (A) Fig. 2, and automatic oiler (B) Fig.2 located as close to the tool as possible (within 15 feet is ideal).



All compressed air contains moisture and other contaminants that are detrimental to internal components of the tool. An airline filter will remove most of these contaminants and significantly prolong the life of the tool. If an in-line oiler is not available, place five or six drops of tool oil into the tool's air inlet at the beginning of each workday.

Only disconnect the quick connector with the body tail portion of the air inlet. No compressed air can be guaranteed when disconnecting. If operation is incorrect, the tool can remain charged with air after being disconnected and still be able to fire a fastener, causing personal injury.

CAUTION: All line components (hoses, connectors, filters, regulators, etc.) must meet 150% of the maximum system pressure. Please try to use a hose of ID 3/8" connecting the nailer with the compressor when disconnecting.

Do not connect this tool to a system with maximum potential. Only disconnect the quick connector being connected with the connector of the body tail portion air inlet, no compressed air can be guaranteed when moving to another location or handing the tool to another person.

Disconnect the tool from the air supply before performing maintenance, clearing a jammed fastener, leaving the work area, moving the tool to another location or handing the tool to another person.

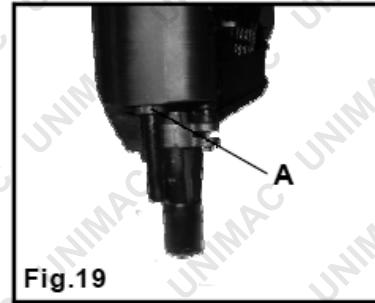
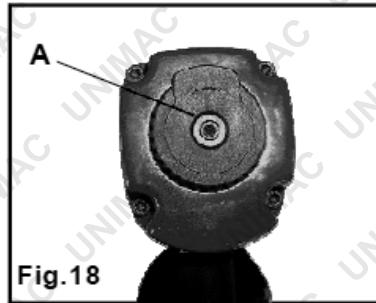
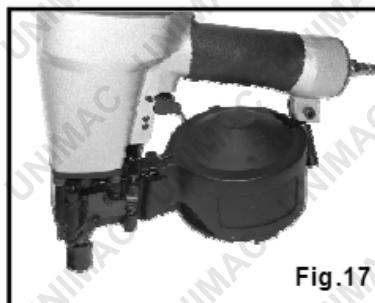
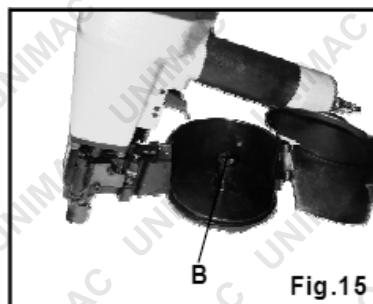
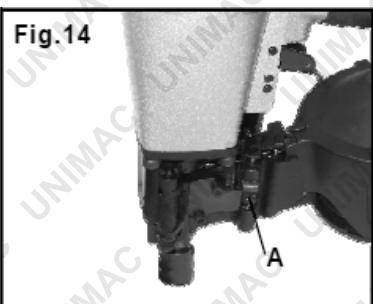
PREPARING THE TOOL

1. After reading and understanding this entire manual, connect the tool to the air supply.

CAUTION:

- Keep the tool pointed away from yourself and others at all times.
- Always connect the tool to an air supply before loading fasteners.
- Do not load fasteners with the trigger or safety depressed.
- Always wear Z87 approved safety glasses and hearing protection when preparing or operating the tool.
- Never use a tool that leaks air or needs repair.

2. Depress the Handle (See A, Fig. 14) and open the Latch. Rotate the Upper Nail Housing to the side of the Body.
3. The Adjuster Plate can be moved up and down when twisting the Adjuster Nut (see B, Fig.15). Depending on the length of the nails, the Adjuster Plate should be adjusted correctly to the position indicated inside the Lower Nail Housing.
4. Place a coil of nails over the Lower Nail Housing. Uncoil enough nails to reach the Feed Hook and place the second nail between the teeth on the Feed Hook (see Fig. 16).
5. Close the Upper Nail Housing and depress the Latch (see Fig. 17).
6. Adjust the directional EXHAUST deflector (see Fig. 18), so that the exhaust air blast will be directed away from the operator. Grasp the deflector and rotate it to the desired position for the current application.



USING THE TOOL

Complete all steps of [Preparing the Tool](#) before using the tool.

CAUTION: Remove your finger from the trigger when not firing any fasteners. Never carry the tool with your finger on the trigger; the tool will fire a fastener if the safety is pressed.

Keep the tool pointed at a safe direction at all times.

Never attempt to drive a fastener into material that is too hard or at too steep an angle, or near the edge of the work piece. The fastener can ricochet, causing personal injury.

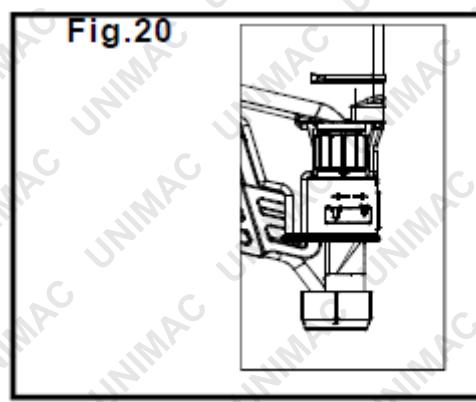
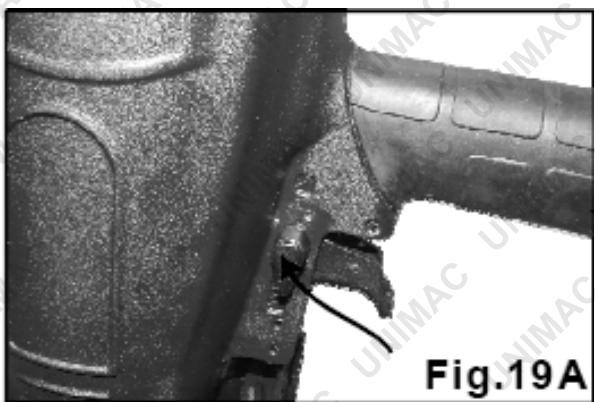
Disconnect the tool from the air supply before performing maintenance, clearing a jammed fastener, leaving the work area, moving the tool to another location, or handing the tool to another person.

Clean and inspect the tool daily. Carefully check for proper operation of trigger and safety mechanism. Do not use the tool unless both the trigger and the safety mechanism are functional, or if the tool is leaking air or if it needs any other repair.

FIRING FASTENERS

When the safety bracket is pressed against the workpiece, push the trigger repeatedly and the nails can be shot continuously.

1. Place the nose of the gun on the work surface, then lightly push the tool toward the work surface until the safe bracket is depressed and hold in this position.
2. Press the trigger to fire the fastener.
3. Release the trigger and lift the nose from the work surface, then move on to the next fastener position.
4. Driving depth will be increased or decreased by rotating the depth of the drive knob or adjuster (Fig. 19A). Test fire a fastener and check the depth. If the nail is driven in too deeply, rotate the adjuster clockwise to make the safety bracket push downwards. Whereas, rotate the adjuster counter clockwise to make the safety bracket push upwards. Repeat this step to achieve the desired results (See Fig. 20).



CLEARING A JAMMED FASTENER

1. **CAUTION:** Disconnect the tool from the air supply.
2. Open the latch, rotate the lower housing and remove the nails of the lower housing.
3. Use a slender, soft steel rod to drive the drive blade to its uppermost position. Use the needle nose pliers to remove the jammed fastener (Fig. 21).

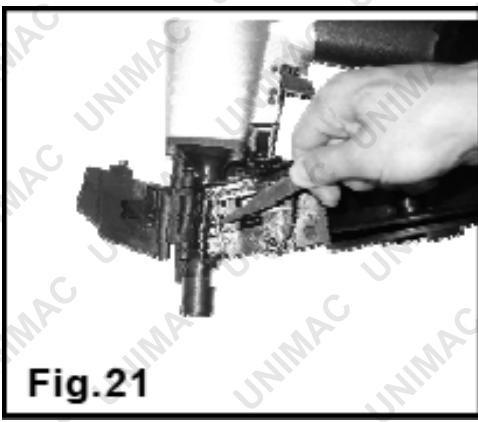


Fig.21

4. Follow the instructions in [Preparing the Tool](#) to reload fasteners.

MAINTENANCE

CLEAN AND INSPECT THE TOOL DAILY

CAUTION: Disconnect the tool from the air supply before cleaning and inspecting it. Correct all problems before operating.

- Check the filter of the compressor weekly and switch of the manual valve to drain water and other contaminants out.
- Do not soak the tool in cleaning solutions. Such solutions can damage internal parts. The exposed portion of the small piston rod and the feed hook must be kept clean.
- Inspect the trigger and safety mechanism to ensure that the system is complete and functional: no loose or missing parts, no binding or sticking parts should be found.
- Keep all screws tight. Loose screws can cause personal injury or can damage the tool.
- Check if there are any worn and damaged parts. If there are any, please replace them immediately.
- If the tool is used without an in-line oiler, place 5 or 6 drops of air tool oil into the air inlet of the tool at the beginning of each workday.

SERVICE AND REPAIRS

All quality tools will eventually require servicing of replacement parts due to wear-and-tear from normal use. Some user serviceable components are described in the [Troubleshooting](#) section. All repairs made by local agencies are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by anyone other than these agencies.

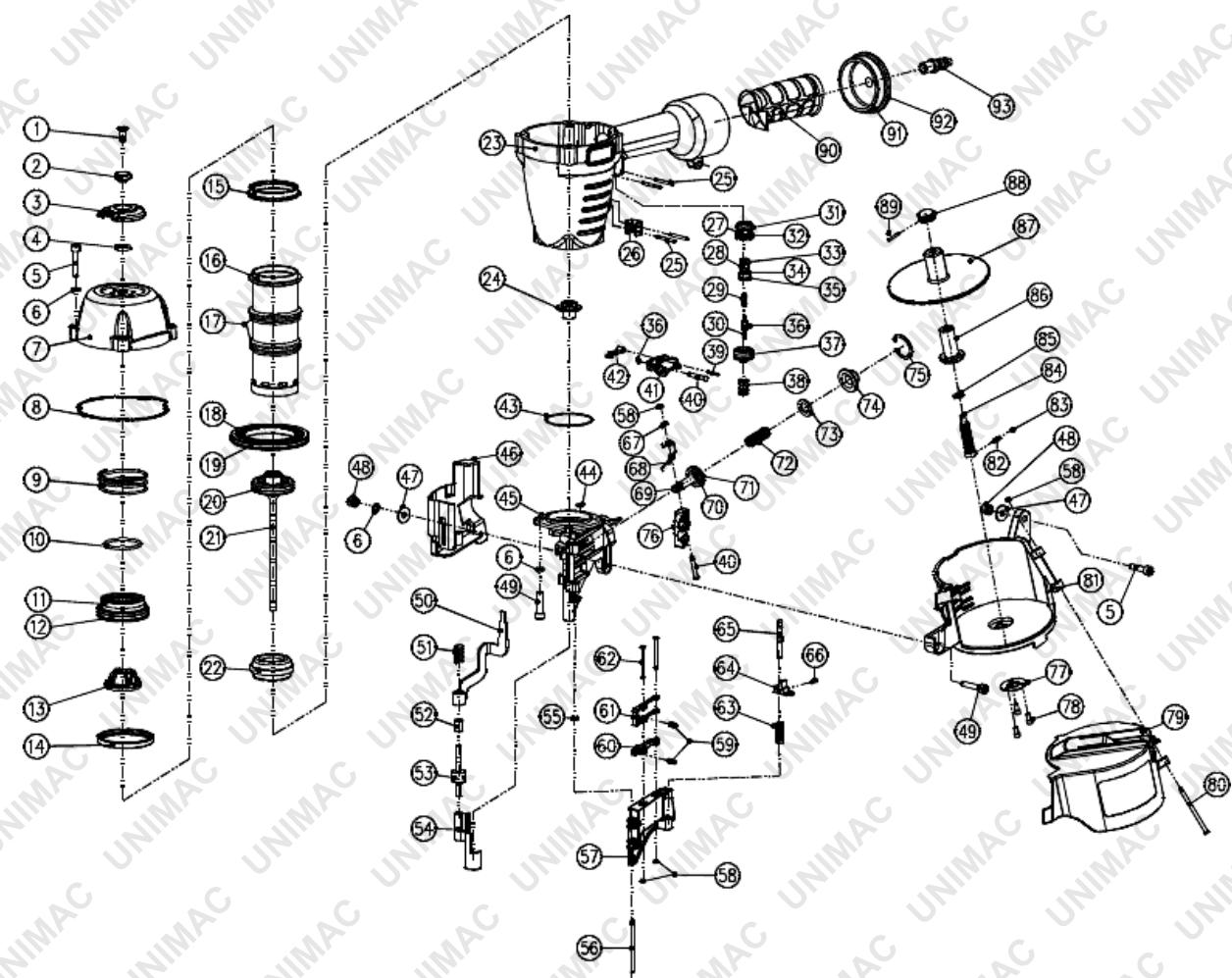
TROUBLESHOOTING

CAUTION: Disconnect the tool from the air supply first before performing any service procedure.

PROBLEM	CAUSE	SOLUTION
Air is leaking from the trigger area.	<ul style="list-style-type: none"> ▪ O-ring in trigger valve stem is worn and damaged. ▪ O-ring in trigger valve head is worn and damaged. ▪ Tool has foreign matter lodged in it. 	<ul style="list-style-type: none"> ▪ Check/Replace the O-ring/Lubricate. ▪ Clean/Lubricate the tool.
Air is leaking from the lower body portion and the nose.	<ul style="list-style-type: none"> ▪ Screw is loose at the connecting portion of the nose and body. ▪ O-ring is damaged between the body and nose. ▪ Bumper is damaged. ▪ Tool has foreign matter lodged in the contacting portion of the bumper and body. 	<ul style="list-style-type: none"> ▪ Tighten/Re-check the screw. ▪ Check/Replace the O-ring/Lubricate. ▪ Replace the bumper. ▪ Disassemble the tool and clean it.
Air is leaking from the body portion and the cylinder cap.	<ul style="list-style-type: none"> ▪ Screw is loose at the connecting portion of the cylinder and body. ▪ Gasket is damaged. 	<ul style="list-style-type: none"> ▪ Tighten the screw and recheck. ▪ Replace the gasket.
Failure to start the tool.	<ul style="list-style-type: none"> ▪ Tool is too dry, lacks lubrication. ▪ The spring in the cylinder cap is damaged. 	<ul style="list-style-type: none"> ▪ Use pneumatic tool oil ▪ Replace the spring in the cylinder cap.
Tool is firing fasteners in too deeply.	<ul style="list-style-type: none"> ▪ Safety bracket position is incorrect. ▪ Air pressure is too high. 	<ul style="list-style-type: none"> ▪ Rotate the knob of the adjuster to move the safety bracket down. ▪ Decrease air pressure.
Tool is skipping fasteners/feeding intermittently.	<ul style="list-style-type: none"> ▪ Tool has foreign matters lodged between the small piston and the small cylinder. ▪ O-ring on the small piston is worn and damaged. ▪ Tool is too dry and lacks lubrication. ▪ The spring in the small piston is damaged. ▪ Air pressure is too low. ▪ Connecting screw of the nose and the body is loose. ▪ Stopped hook can't stop the fasteners. ▪ Bent fasteners. ▪ Wrong size fasteners. ▪ Small piston bumper is worn and damaged. ▪ Feed hook is sticking. 	<ul style="list-style-type: none"> ▪ Disassemble/Clean/Lubricate. ▪ Check/Replace the O-ring/Lubricate ▪ Use pneumatic tool oil. ▪ Replace the small piston spring. ▪ Increase the air pressure, but don't exceed 120 PSI (8.3 bar). ▪ Tighten all screws. ▪ Replace the taper spring of the stopped hook. ▪ Use recommended fasteners. ▪ Replace the bumper and lubricate the small piston. ▪ Clean the feed hook and torsion spring. ▪ Adjust the adjuster plate at the nail housing tail portion according to the recommended nail length to make the directional arrow on the nail housing tail point to the correct direction. ▪ Stop using the tool.

PROBLEM	CAUSE	SOLUTION
Tool runs slowly or has power loss	<ul style="list-style-type: none"> ▪ Nail length is not correct with the loading space of the nail housing. ▪ Weld wires in the nail coil are broken. 	
Fasteners are jammed	<ul style="list-style-type: none"> ▪ Tool is too dry and lacks lubrication. ▪ The spring in the cylinder cap is damaged. ▪ Tool has foreign matter lodged between the piston assembly and the cylinder. ▪ The cylinder has not been assembled to home position. ▪ O-ring on the valve is dry after disassembly. ▪ Air pressure is too low. ▪ Driver is worn (sort) ▪ Inner diameter of the hose is too small 	<ul style="list-style-type: none"> ▪ Use pneumatic tool oil. ▪ Replace the spring in the cylinder cap. ▪ Disassemble/Clean/Lubricate. ▪ Reassemble after disassembling. ▪ Reassemble after lubricating. ▪ Increase the air pressure, but don't exceed 120 PSI (8.3 bar). ▪ Replace the piston assembly. ▪ Use a bigger inner diameter for the hose.
	<ul style="list-style-type: none"> ▪ Fasteners are of the wrong size. ▪ Weld wires in the nail coil are broken. 	<ul style="list-style-type: none"> ▪ Use recommended fasteners. ▪ Stop using the tool.

EXPLODED PARTS DRAWING



PARTS LIST

ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	Screw	48	Nut
2	Bushing	49	Screw
3	Exhaust Cover	50	Safety bracket A
4	Seal	51	Spring
5	Screw	52	Bushing
6	Spring Washer	53	Adjusting screw
7	Cylinder Cap	54	Safety bracket B
8	Gasket	55	Washer
9	Spring	56	Pin
10	O-ring 42.8 x 2.65	57	Latch
11	Valve	58	Washer
12	O-ring 58.7 x 3.5	59	Spring
13	Valve Seat	60	Stop nail pawl A
14	Collar	61	Stop nail pawl B
15	Cylinder Seal	62	Pin
16	Cylinder	63	Spring
17	O-ring 52.4 x 2.5	64	Hand wheel Assembly
18	Restrictive Plate	65	Rotating Shaft Pin
19	O-ring 80 x 3.1	66	Spring pin
20	O-ring 48.6 x 3.4	67	Washer
21	Piston Assembly	68	Torsion spring
22	Bumper	69	Piston
23	Body	70	O-ring 12.3 x 1.9
24	Guide holder	71	O-ring 24.3 x 2.8
25	Spring pin	72	Spring
26	Safe bracket guider	73	Bumper
27	Valve Guide	74	Cover
28	Trigger Valve Seat	75	Lock washer 28
29	Spring	76	Feed Hook
30	Trigger Valve Stem	77	Washer
31	O-ring 20.3 x 2.5	78	Screw

PNEUMATIC AIR COIL NAILER



ITEM	DESCRIPTION
32	O-ring 20.3 x 1.5
33	O-ring 9.5 x 1.9
34	O-ring 1 0.3 x1.9
35	O-ring 12.8 x 1.9
36	O-ring 5.5 x 1.5
37	Trigger Valve Guide
38	Spring
39	Spring Pin 2.5 x 17
40	Pin
41	Trigger
42	Trigger Spring
43	O-ring 46 x 1.3
44	O-ring 8.3 x 1.8
45	Nose
46	Cover
47	Washer

ITEM	DESCRIPTION
79	Upper Nail Housing
80	Pin
81	Lower Nail Housing
82	Spring
83	Steel ball
84	Adjuster stem
85	Washer
86	Adjuster Bushing
87	Adjuster Plate
88	Adjuster nut
89	Spring pin
90	Soft Grip Sleeve
91	End cap
92	O-ring 65.4 x 2.5
93	Air plug



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.



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