



1-3/4" COIL ROOFING NAILER

Operator's Manual

SAVE THIS MANUAL

You will need this manual for safety instructions, operating procedures and warranty.

Put it and the original sales receipt in a safe dry place for future reference.

For questions about this product, Please call 1-866-915-8626

IMPORTANT SAFETY INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS.

WARNING! When using tools, basic precautions should always be followed, including the following.



WORK AREA

- Keep the work area clean and well lit. Cluttered benches and dark areas increase the risk of electric shock, fire, and injury to persons.
- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Be careful not to nail on top of another nail, as this can create sparks, resulting in the ignition of dust or fumes.
- Keep bystanders, children, and visitors away while operating the tool. Distractions may result in personal injury and/or the injury of others.



PERSONAL SAFETY

- Always wear eye protection. Operator and others in the work area should always wear ANSI-approved safety goggles with side shields. Eye protection is used to guard against flying fasteners and debris, which may cause severe eye injury.
- Always wear hearing protection when using the tool. Extended exposure to high intensity noise may cause hearing loss.
- Use safety equipment. A dust mask, non-skid safety shoes and a hard hat must be used for the applicable conditions.
- Do not wear loose fitting clothing or jewelry. Use a helmet for long hair. These items can get caught in moving parts, causing serious personal injury.
- Stay alert, watch what you are doing and use common sense when operating the tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating the tool increase the risk of injury to persons.
- Avoid unintentional firing. Keep fingers away from trigger when not driving fasteners, especially when connecting the tool to the air supply. Be sure the hammer cap is off before connecting to the air supply. Do not carry the tool with your finger on the hammer cap or connect the tool to the air supply with the trigger on.
- Keep proper footing and balance at all times. Do not overreach. Do not use on a ladder or unstable support. Proper footing and balance enable better control of the tool in unexpected situation.
- Make sure the hose is free of obstructions or snags. Entangled or snarled hoses can cause loss of balance or footing and may become damaged, resulting in possible injury.
- Do not attach the hose or tool to your body. Attach the hose to the structure to reduce the risk of loss of balance if the hose shifts.
- Always assume that the tool contains fasteners. Do not point the tool toward yourself or anyone whether it contains fasteners or not.
- Wash hands after handling. This product or its power cord may contain chemicals known to cause cancer and birth defects or other reproductive harm.

WARNING! Do not fire a nail on top of another nail. This may cause the nail to be deflected and hit someone, or cause the tool to react which may result in a risk of injury to persons.



IMPORTANT SAFETY INSTRUCTIONS



WARNING! Remove finger from the trigger when not driving fasteners. Never carry the tool with finger on trigger, the tool may fire a fastener.



TOOL USE AND CARE

- Know this tool. Read manual carefully, learn its application and limitations, as well as the specific potential hazards related to this tool.
- Use only fasteners listed in the Accessories section of this manual. Fasteners not identified for use with this tool by the tool manufacturer may result in a risk of injury to persons or tool damage when used in this tool.



WARNING! Disconnect the tool from the air source before making adjustments, doing tool maintenance, clearing jams, leaving work area, or unloading the tool. Such precautionary measures reduce the risk of injury to persons.

- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools. There is a risk of bursting if the tool is damaged.
- Store the tools in a secure place, when not in use and out of reach of children and other untrained persons. A tool is dangerous in the hands of untrained users.
- Do not use the tool if the hammer cap does not turn the tool on or off. Any tool that cannot be controlled with the hammer cap is dangerous and must be repaired.
- Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
- Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding a tool by hand or against the body is unstable and may lead to loss of control.
- Keep the tool and its handle dry, clean and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean your tool.
- Do not use the tool as a hammer.
- Never use this tool in a manner that could cause a fastener to be directed toward anything other than the workpiece.
- Never use gasoline or other flammable liquids to clean the tool. Never use the tool in the presence of flammable liquids or gases. Vapors could ignite by a spark and cause an explosion which will result in death or serious personal injury.
- Do not remove, tamper with, or otherwise cause the trigger lock or trigger to become inoperable. Do not operate any tool which has been modified in a like fashion. Death or serious personal injury could result.
- Do not touch the trigger unless driving fasteners. Never attach air line to tool or carry tool while touching the trigger. The tool could eject a fastener which will result in death or serious personal injury. Also actuate the trigger lock to the safe position when not in use.
- Always fit tool with a fitting or hose coupling on or near the tool in such a manner that all compressed air in the tool is discharged at the time the fitting or hose coupling is disconnected. Do not use a heck valve or any other fitting which allows air to remain in the tool. Death or serious personal injury could occur.
- Never place hands or any other body parts in the fastener discharge area of the tool. The tool might eject a fastener and could result in death or serious personal injury.
- Never carry the tool by the air hose or pull the hose to move the tool away from a compressor. Keep hoses away from heat, oil and sharp edges. Replace any hose that is damaged, weak or worn. Personal injury or tool damage could occur.

IMPORTANT SAFETY INSTRUCTIONS



- Always assume the tool contains fasteners. Respect the tool as a working implement; no horseplay. Always keep others at a safe distance from the work area in case of accidental discharge of fasteners. Do not point the tool toward yourself or anyone whether it contains fasteners or not. Accidental triggering of the tool could result in death or serious personal injury.
- Do not drop or throw the tool. Dropping or throwing the tool can result in damage that will make the tool unusable or unsafe. If the tool has been dropped or thrown, examine the tool closely for bent, cracked or broken parts and air leaks. Stop and repair before using, or serious injury could occur.
- Avoid using the tool when the magazine is empty. Accelerated wear on the tool may occur.
- Clean and check all air supply hoses and fittings before connecting the tool to an air supply. Replace any damaged or worn hoses or fittings. Tool performance or durability may be reduced.
- Do not use the tool if it leaks air or does not function properly.
- Do not operate the tool if it does not contain a legible warning label.

TOOL SERVICE

- Use only accessories that are identified by the manufacturer for the specific tool model.
- When servicing a tool, use only identical replacement parts. Use only authorized parts.
- Use only the lubricants supplied with the tool or specified by the manufacturer.
- Tool service must be performed only by qualified repair personnel.

OPERATION

- Do not drive fasteners near edge of material. The workpiece may split causing the fastener to ricochet, injuring you or others around you.
- Do not carry the tool from place to place holding the trigger. Accidental discharge could result. Choice of triggering method is important. Check manual for triggering options.
- During normal use the tool will recoil immediately after driving a fastener. This is a normal function of the tool. Do not attempt to prevent the recoil by holding the tool against the work. Restriction to the recoil can result in a second fastener being driven from the tool. Grip the handle firmly and let the tool do the work. Failure to heed this warning can result in serious personal injury.
- Do not drive fasteners on top of other fasteners or with the tool at an overly steep angle as this may cause deflection of fasteners which could cause injury.
- Do not actuate the tool unless you intend to drive a fastener into the workpiece.
- Always handle the tool with care:
 - a. Respect the tool as a working implement.
 - b. Never engage in horseplay.
 - c. Never pull the trigger unless nose is directed toward the work.
 - d. Keep others a safe distance from the tool while tool is in operation as accidental actuation may occur, possibly causing injury.

AIR SUPPLY AND CONNECTIONS

- The air supply connection must not hold pressure when air supply is disconnected. If an incorrect fitting is used, the tool can remain charged with air after disconnecting and thus will be able to drive a fastener even after the air line is disconnected, possibly causing injury.
- Do not use any type of reactive gases, including, but not limited to, oxygen carbon dioxide and combustible gases, as a power source. Use filtered, lubricated, regulated compressed air only. Use of a reactive gas instead of compressed air may cause the tool to explode which will cause death or serious personal injury.

IMPORTANT SAFETY INSTRUCTIONS



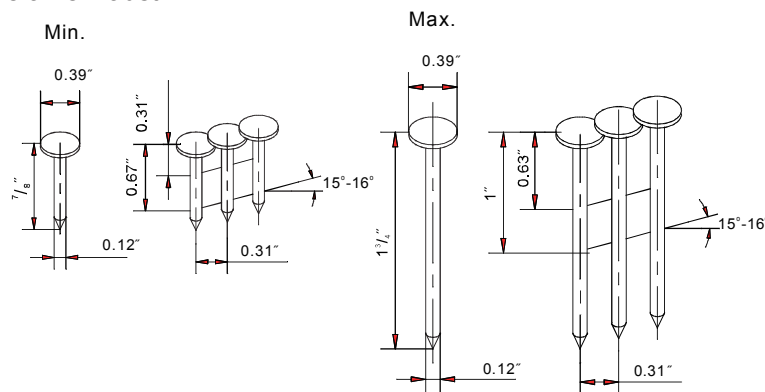
- Use only a pressure-regulated compressed air source to limit the air pressure supplied to the tool. The regulated pressure must not exceed 110 PSI. If the regulator fails, the pressure delivered to the tool must not exceed 120 PSI. The tool could explode which will cause death or serious personal injury.
- Always disconnect air resource:
 - a) Before making adjustments.
 - b) When servicing the tool.
 - c) When clearing a jam.
 - d) When tool is not in use.
 - e) When moving to a different work area, as accidental actuation may occur, causing injury.
- Never connect tool to an air source that may exceed 120 PSI. Over pressurizing the tool may result in bursting, abnormal operation, breakage of the tool or serious injury to persons. Use only clean, dry, regulated compressed air at the rated pressure or within the rated pressure range as marked on the tool. Always verify prior to using the tool that the air source has been adjusted to the rated air pressure or within the rated air-pressure range.

SPECIFICATIONS

- Operating pressure: 70-110 PSI
- Max. pressure: 120 PSI
- Magazine capacity: 120 nails
- Nail length: 3/4" to 1-3/4" (19mm-45mm)
- Nail gauge: 11
- Air inlet: 1/4" (6 mm)NPT
- Padded hand grip
- 360° adjustable air exhaust

ACCESSORIES

- 3 Hex Keys
- Oil Bottle



FUNCTIONAL DESCRIPTION

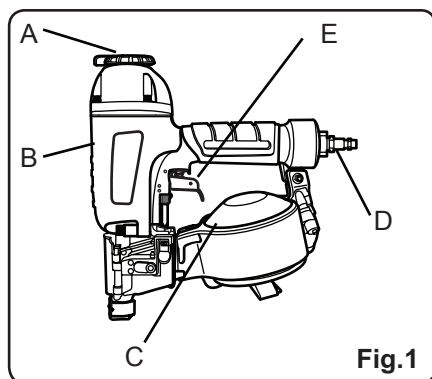


Fig.1

Figure 1 names the major components of the TOOL SHOP 1-3/4" Coil Roofing Nailer

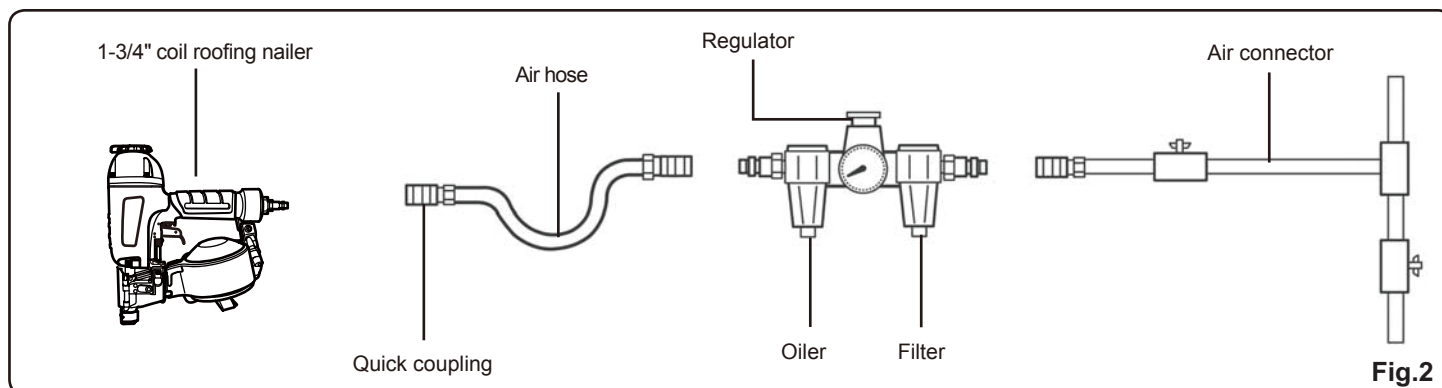
- A. Adjustable air exhaust
- B. Body
- C. Magazine
- D. Air plug
- E. Trigger

OPERATING PROCEDURES

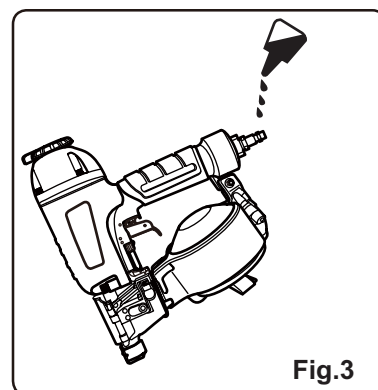
SETUP

AIR SOURCE

- The TOOL SHOP 1-3/4" coil roofing nailer is designed to operate on clean, dry, compressed air, regulated at 70-110 PSI. The preferred system would include a filter, a pressure regulator, and an automatic oiler located as close to the tool as possible. Within 15 feet (5 m) is ideal. Do not use bottled air or gases. Please see below:



- All compressed air contains moisture and other contaminants that can harm the internal components of the tool. An air line filter will remove most of these and significantly extend the life of the tool. Ensure the in-line oiler has sufficient oil. If an in-line oiler is not available, place 2 drops of oil into the tool's air inlet at the beginning of each workday. More than this will be expelled from the tool's exhaust during firing.
- Air fitting: The air nailer should be equipped with a 1/4" NPT male "quick connector". To prevent accidental cycling even though disconnected, the tool must always be connected to the air supply in such a way that all air pressure in it is released when the coupling is disconnected.



CAUTION:

- All air line components (including hoses, pipe, connectors, filters, & regulators, etc.) must be rated for a minimum working pressure of 150 PSI or 150% of the maximum system pressure, whichever is greater.
- 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 it to another person.



PREPARING THE TOOL

1. After reading and understanding this entire manual, connect tool to the air supply.
2. Turn on the air compressor and adjust the regulator to the proper pressure for the fastener size you are using.

CAUTION:

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



OPERATING PROCEDURES

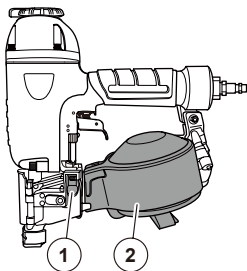


LOADING NAILS



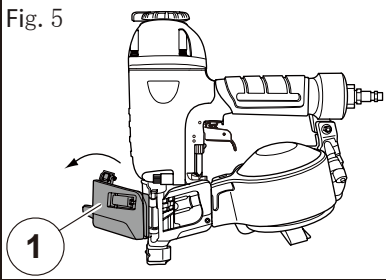
CAUTION: Do not load with contact safety mechanism or trigger depressed.

Fig. 4



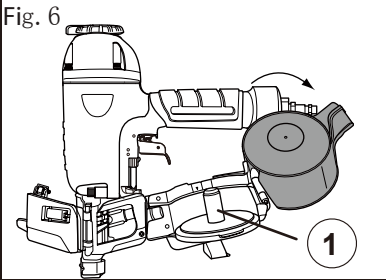
1. Push down on the latch ① (Fig.4), swing the latch ① (Fig.5), then open the movable cover ② (Fig.4).

Fig. 5



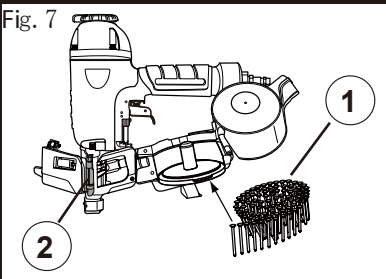
2. Open the magazine cover. (Fig.6)

Fig. 6



3. Check the adjuster plate ① (Fig.6) inside the magazine. Then rotate the adjuster nut to adjust the platform to match the nail length:
 - a. the lowest position: 1-1/2" to 1-3/4" long nails
 - b. the middle position: 1-1/4" long nails
 - c. the upper position: 3/4" to 1" long nails

Fig. 7



4. Insert a coil of nails ① (Fig.7), putting the first nail into the firing chamber ② (Fig.7) of the nailer. Close the magazine cover and then close the movable cover.

OPERATING THE TOOL



CAUTION:

- Keep tool pointed in a safe direction at all times.
- Never attempt to drive fasteners into materials too hard to penetrate, at too steep an angle, or too near the edge of the workpiece. The fastener can ricochet causing personal injury.
- Disconnect tool from air supply before doing any disassembly, 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 needs any other repair.

OPERATING PROCEDURES

Complete all the steps in PREPARING THE TOOL before using.

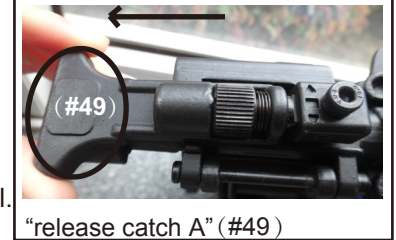
Please Note: This tool is fired in only one way:

BUMP FIRE: The tool should only fire if the Safety Nosepiece is pressed against the workpiece and the trigger is pulled. It should fire again if the trigger is released and pulled OR if the safety is lifted and pressed against the workpiece again. The tool should not fire if the Safety Nosepiece is not pressed against an object.

1. Connect the air supply to the tool and set within the Operating Air Pressure indicated on the Specification chart.
2. Pull trigger with nailer off workpiece.
3. Depress the contact mechanism firmly until it is completely depressed to drive a nail.
4. With depressing the workpiece, release the trigger and pull it again, the nailer fires again.
5. With pulling trigger, lift the tool and press it against the workpiece again, nailer fires again.



Fig.8

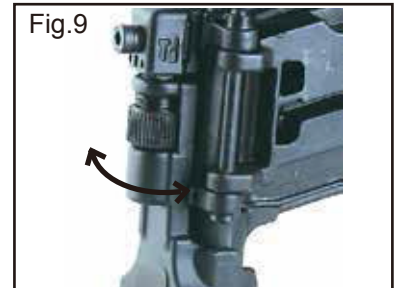


ADJUSTING FASTENER DEPTH

The depth to which a fastener is driven is controlled by the depth adjustment (Fig.8/9). The depth drive is adjusted to the maximum setting by the factory.

1. Fire a fastener into a scrap workpiece to check depth.
2. If a change is desired, pull the "release catch A" (Fig.8), then rotate the adjustment knob clockwise (upward) to increase the depth, counterclockwise (downward) to decrease it (Fig.9).
3. To prevent rotating while operating, make sure the tip on the "release catch A" match the gap of the screw (Fig.8).
4. Fire another fastener in a scrap work piece and check the depth.
5. REPEAT AS NECESSARY UNTIL DESIRED DEPTH IS ACHIEVED. The amount of air pressure required will vary depending on the size of the setting.

Fig.9



CLEARING A JAMMED NAIL

1. Unlock the magazine latch and open the magazine cover.
2. Use pliers or any appropriate tool to remove the jammed nails.
3. Close the movable cover and verify that the magazine latch is moved to its original position.
4. Reload the nails into the tool magazine.
5. Reconnect the air supply line to the tool's air inlet.
6. Test fire 3 to 5 nails into a piece of scrap wood in order to ensure a proper operation.

CAUTION: Disconnect tool from the air supply before removing or installing the contact tip.



MAINTENANCE

REGULAR MAINTENANCE

- Clean and inspect the tool daily. Make sure the tool is disconnected from the air supply.
- Blow the tool clean with compressed air and inspect for wear or damage. Use non-flammable cleaning solutions to wipe the exterior of the tool only if necessary. DO NOT SOAK tool with cleaning solutions. Such solutions can damage internal parts.
- Inspect the trigger and the safety mechanism to assure the system is complete and functional. Check for loose or missing parts, and any parts that may be sticking.
- Keep all the screws tight. Loose screws may cause personal injury.
- Place two or three drops of pneumatic oil (included) into the air inlet of the tool daily.

TROUBLESHOOTING



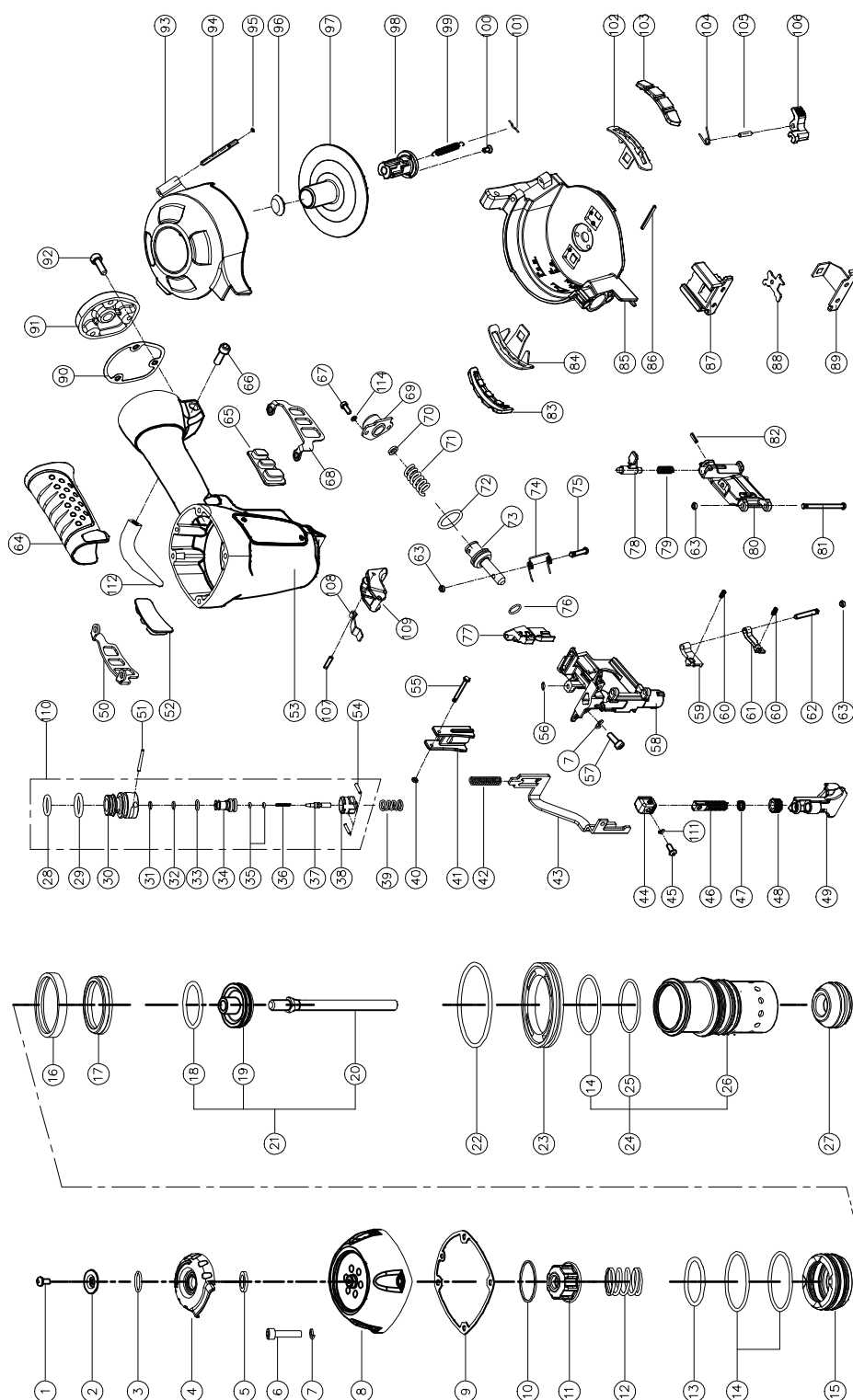
PROBLEM	CAUSE	SOLUTION
Air leak at trigger area	O-ring in trigger valve damaged or cracked	Check and replace O-ring
	Trigger valve head damaged	Check and replace trigger valve head
	Trigger valve stem, seal, or O-ring damaged	Check and replace trigger valve stem
Air leak between body and front plate	Piston O-ring or bumper damaged	Check and replace O-ring or bumper
Air leak between body and cylinder cap	Screw loose	Tighten screws
	Damaged seal	Check and replace seal
Tool driving fasteners too deeply	Worn bumper	Replace bumper
	Air pressure too high	Adjust air pressure at regulator
Tool runs slowly or has power loss	Insufficient lubrication	Add oil as instructed
	Insufficient air supply	Check air supply
	Broken spring in cylinder cap	Replace spring
	Exhaust port in cylinder head is blocked	Replace damaged internal parts
Tool skips fasteners	Worn bumper or damaged spring	Replace bumper or pusher spring
	Dirt in front plate	Clean drive channel in front plate
	Inadequate airflow to tool	Check hose and compressor fittings
	Worn or dry O-ring on piston	Replace or lubricate O-ring
	Damaged O-ring on trigger valve	Replace O-ring
	Cylinder cap is leaking	Replace seal
Fasteners jam in tool or in magazine	Joint guide is worn	Replace joint guide
	Fasteners in tool are the wrong size or damaged	Use only recommended fasteners
	Magazine screws or front plate clamp are loose	Tighten all
	Blade in piston assembly is damaged	Replace piston assembly
Tool will not drive fasteners down tight	Worn blade in piston assembly	Replace piston assembly
	Lack of power	Adjust regulator to adequate pressure
	Slow cycling and loss of power	Check cylinder cap spring for broken coils, reduced length, or if exhaust port is blocked

PARTS LIST



ITEM NO.	DESCRIPTION	PCS	ITEM NO.	DESCRIPTION	PCS	ITEM NO.	DESCRIPTION	PCS
1	Screw 5*16	1	41	Catch Guide Plate	1	81	Pin	1
2	Washer	1	42	Spring	1	82	Pin 3*12	1
3	O-Ring 16*1.7	1	43	Release Catch C	1	83	Prevent fall frame(B)	1
4	Exhaust Cover	1	44	Catch Guide Plate	1	84	Prevent fall frame(B)	1
5	Washer	1	45	Screw 4*12	1	85	Magazine	1
6	Screw 6x30	4	46	Release Catch B	1	86	Pin 3*28	1
7	Washer #6	6	47	Spring	1	87	Sliding Block	1
8	Cylinder CAP	1	48	Screw	1	88	Washer	1
9	Gasket	1	49	Release Catch A	1	89	Stopper	1
10	Washer	1	50	Prevent fall frame(B)	1	90	Gasket	1
11	Piston Stopper	1	51	Pin 3*30	1	91	Tail cover	1
12	Spring	1	52	Prevent fall frame(B)	1	92	Screw 5*16	3
13	O-Ring 40*2.65	1	53	Body	1	93	Tail Cover	1
14	O-Ring 50*2.65	3	54	Pin 3*14	1	94	Pin	1
15	Head Valve Piston	1	55	Pin	1	95	O-Ring 3.15*1.8	1
16	Stopper	1	56	O-Ring 4.5*1.5	1	96	Stopper (A)	1
17	Seal,Air	1	57	Screw 6*25	2	97	Tray	1
18	O-Ring 37.5*3.55	1	58	Outlet Site	1	98	Screw	1
19	Piston Head	1	59	Stopper A	1	99	Spring	1
20	Driver Blade	1	60	Spring	2	100	Screw 4*8	3
21	Driver blade set	1	61	Stopper B	1	101	Stop(B)	1
22	O-Ring 71*2.65	1	62	Pin	1	102	Prevent fall frame(A)	1
23	Spacer	1	63	Ring Ø3.1*2.9 (80°)	3	103	Prevent fall frame(A)	1
24	Cylinder Set	1	64	Handle Grip	1	104	Spring	1
25	O-Ring	1	65	Prevent fall frame(A)	1	105	Pin 4*15.6	1
26	Cylinder	1	66	Screw 5*30	1	106	Click Lever	1
27	Bumper	1	67	Screw 4*8	2	107	Pin	1
28	O-Ring 16*1.8	1	68	Prevent fall frame(A)	1	108	Spring	1
29	O-Ring 19*2.3	1	69	Tail cover	1	109	Trigger	1
30	Trigger valve head	1	70	Stopper	1	110	Trigger Valve set	1
31	O-Ring 5.6*1.8	1	71	Spring	1	111	Washer #4	3
32	O-Ring 6.4*1.6	1	72	O-Ring 18.2*2	1	112	Belt Hook	1
33	O-Ring 8.2*1.75	1	73	Piston Head	1			
34	Trigger valve guide	1	74	Spring	1			
35	O-Ring 2.3*1.4	2	75	Pin	1			
36	Spring	1	76	O-Ring 8.7*2	1			
37	Trigger valve stem	1	77	Pusher	1			
38	Seal,Air	1	78	Gate Lock	1			
39	Spring	1	79	Spring	1			
40	Ring Ø5.5*2	1	80	Door	1			

SCHEMATIC DRAWING



WARNING Repairs should be made by an authorized repair center. Do not open or disassemble this power tool.

TOOL SHOP® 1-3/4" COIL ROOFING NAILER WARRANTY

1-YEAR LIMITED WARRANTY:

This TOOL SHOP® brand power tool carries a 1-Year Limited Warranty to the original purchaser. If, during normal use, this TOOL SHOP® tool fails due to a defect in material or workmanship within one (1) year from the date of purchase, simply bring this tool with your original sales receipt back to your nearest MENARDS® retail store. At its discretion, TOOL SHOP® agrees to have the tool replaced with the same or similar TOOL SHOP® product free of charge, within the stated warranty period, when returned by the original purchaser with original sales receipt. Notwithstanding the foregoing, this limited warranty does not cover any damage that has resulted from abuse or misuse of the merchandise. This warranty: (1) excludes expendable parts including but not limited to O rings, driver blades, blades, belts, bits, light bulbs, and/or batteries; (2) shall be void if this tool is used for commercial and/or rental purposes; and (3) does not cover any losses, injuries to persons/property or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state. Be careful, tools are dangerous if improperly used or maintained. Seller's employees are not qualified to advise you on the use of this merchandise. Any oral representation(s) made will not be binding on seller or its employees. The rights under this limited warranty are to the original purchaser of the merchandise and may not be transferred to any subsequent owner. This limited warranty is in lieu of all warranties, expressed or implied including warranties or merchantability and fitness for a particular purpose. Seller shall not be liable for any special, incidental, or consequential damages. The sole exclusive remedy against the seller will be for the replacement of any defects as provided herein, as long as the seller is willing or able to replace this product or is willing to refund the purchase price as provided above. For insurance purposes, seller is not allowed to demonstrate any of these power tools for you.

For questions / comments, technical assistance or repair parts –
Please call toll free at: 1-866-915-8626 (M-F 8am – 5pm EST)

SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.