



# PLASTIC CAP STAPLER

**Model 99637**

## SET UP AND OPERATING INSTRUCTIONS



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**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

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**For technical questions or replacement parts, please call 1-800-444-3353.**

Revised Manual 10f

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## SAVE THIS MANUAL

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Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

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### Safety Alert Symbol and Signal Words

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In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

#### **DANGER**

**DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.

#### **WARNING**

**WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.

#### **CAUTION**

**CAUTION**, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

#### **NOTICE**

**NOTICE** is used to address practices not related to personal injury.

#### **CAUTION**

**CAUTION**, without the safety alert symbol, is used to address practices not related to personal injury.

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## IMPORTANT SAFETY INSTRUCTIONS

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### INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

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**WARNING** – When using tools, basic precautions should always be followed, including the following:

#### General


- a. To reduce the risks of electric shock, fire, and injury to persons, read all the instructions before using the Stapler.

#### Work area



- a. Keep the work area clean and well **lighted**. Cluttered benches and dark areas increase the risks of electric shock, fire, and injury to persons.
- b. Do not operate the Stapler in **explosive atmospheres, such as in the presence of flammable liquids, gases, or dust**. The Stapler is able to create sparks resulting in the ignition of the dust or fumes.
- c. Keep bystanders, children, and visitors away while operating the

**Stapler.** Distractions are able to result in the loss of control of the tool.

### Personal safety

- a. **Stay alert. Watch what you are doing and use common sense when operating the tool. Do not use the tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating the tool increases the risk of injury to persons.
- b. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair increases the risk of injury to persons as a result of being caught in moving parts.
- c. **Avoid unintentional starting. Be sure the Trigger (39) is off before connecting to the air supply.** Do not carry the Stapler with your finger on the switch or connect the tool to the air supply with the switch on.
- d. **Remove adjusting keys and wrenches before turning the Stapler on.** A wrench or a key that is left attached to a rotating part of the tool increases the risk of personal injury.
- e. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the Stapler in unexpected situations.
- f.  **Use safety equipment.** A dust mask, non-skid safety shoes and a hard hat must be used for the applicable

conditions. Wear heavy-duty work gloves during use.

- g.  **Always wear eye protection.** Wear ANSI-approved safety goggles.
- h.  **Always wear hearing protection when using the Stapler.** Prolonged exposure to high intensity noise is able to cause hearing loss.
- i. **Risk of Electric Shock. This tool is not provided with an insulated gripping surface.** Contact with a "live" wire will also make exposed metal parts of the tool "live" and shock the operator.
- j. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- k. **Explore the workpiece to avoid contact with hidden wiring.** Thoroughly investigate the workpiece for possible hidden wiring before performing work. Contact with live wiring will shock the operator.

### Tool use and care


- a. **Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against the body is unstable and is able to lead to loss of control.
- b. **Do not force the Stapler.** Use the correct tool for the application. The correct tool will do the job better and safer at the rate for which the tool is designed.

- c. **Do not use the Stapler if the Trigger (39) does not turn the tool on or off.** Any tool that cannot be controlled with the Trigger is dangerous and must be repaired.
- d. **Disconnect the Stapler from the air source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool unintentionally. Turn off and detach the air supply, safely discharge any residual air pressure, and release the throttle and/or turn the switch to its off position before leaving the work area.
- e. **Store the Stapler when it is idle out of reach of children and other untrained persons.** A tool is dangerous in the hands of untrained users.
- f. **Maintain the tool with care.** Keep a cutting tool sharp and clean. A properly maintained tool, with sharp cutting edges reduces the risk of binding and is easier to control.
- g. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that affects the Stapler'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.
- h. **Use only accessories that are identified by the manufacturer for the specific tool model.** Use of an accessory not intended for use with the specific tool model, increases the risk of injury to persons.

## Service

- a. **Tool service must be performed only by qualified repair personnel.**
- b. **When servicing a tool, use only identical replacement parts. Use only authorized parts.**
- c. **Use only the lubricants supplied with the Stapler or specified by the manufacturer.**

## Air source





- a.  **Never connect to an air source that is capable of exceeding 110 psi.** Over pressurizing the 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 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.
- b. **Never use oxygen, carbon dioxide, combustible gases or any bottled gas as an air source for the tool.** Such gases are capable of explosion and serious injury to persons.



**SAVE THESE  
INSTRUCTIONS.**

# SYMBOLS AND SPECIFIC SAFETY INSTRUCTIONS

## Symbol Definitions

Symbol	Property or statement
<b>n<sub>o</sub></b>	No-load speed
<b>.../min</b>	Revolutions or reciprocation per minute
<b>PSI</b>	Pounds per square inch of pressure
<b>ft-lb</b>	Foot-pounds of torque
<b>BPM</b>	Blows per minute
<b>CFM</b>	Cubic Feet per Minute flow
<b>SCFM</b>	Cubic Feet per Minute flow at standard conditions
<b>NPT</b>	National pipe thread, tapered
<b>NPS</b>	National pipe thread, straight
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved eye protection.
	WARNING marking concerning Risk of Hearing Loss. Wear hearing protection.
	WARNING marking concerning Risk of Respiratory Injury. Wear NIOSH-approved dust mask/respirator.
	WARNING marking concerning Risk of Explosion.

## Specific Safety Instructions

1. The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which
2. **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
  - Lead from lead-based paints
  - Crystalline silica from bricks and cement or other masonry products
  - Arsenic and chromium from chemically treated lumber
 Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. (California Health & Safety Code § 25249.5, *et seq.*)  
**WARNING:** The brass components of this product contain lead, a chemical known to the State of California to cause birth defects (or other reproductive harm). (California Health & Safety code § 25249.5, *et seq.*)
3. Only use with accessories rated to handle the forces exerted by this Stapler during operation. Other accessories not designed for the forces generated may break and forcefully launch pieces.
4. Attach all accessories properly to the Stapler before connecting the air supply. A loose accessory may detach or break during operation.

cannot be built into this product, but must be supplied by the operator.

5. Obey the manual for the air compressor used to power this Stapler.
6. Install an in-line shutoff valve to allow immediate control over the air supply in an emergency, even if a hose is ruptured.
7. Use this Stapler with both hands only. Using tools with only one hand can result in loss of control.
4. Use tools with the lowest vibration when there is a choice between different processes.
5. Include vibration-free periods each day of work.
6. Grip tool as lightly as possible (while still keeping safe control of it). Let the Stapler do the work.
7. To reduce vibration, maintain the Stapler as explained in this manual. If abnormal vibration occurs, stop immediately.

### **Vibration Precautions**

This Stapler vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.



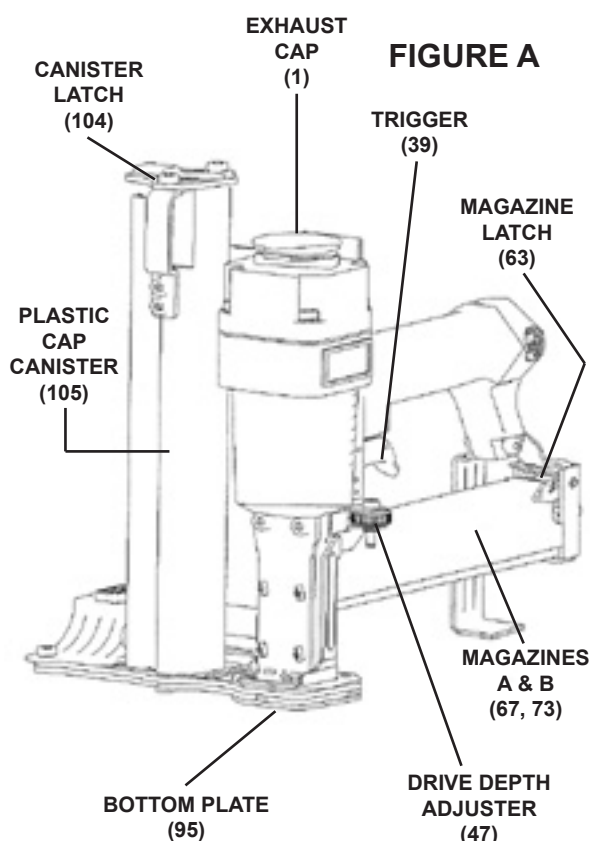
**SAVE THESE  
INSTRUCTIONS.**



## PRODUCT SPECIFICATIONS

Air Pressure Range	70-90 PSI
Air Hose Requirement	3/8" I.D.
Air Inlet	1/4" -18 NPT
Air Consumption	6.0 CFM
Fastener Type	Staples with Plastic Caps
Staple Length	3/8" to 1-1/4"
Staple Crown Size	3/8" Crown
Staple Gauge	18 Gauge
Plastic Cap Diameter	1" O.D.
Plastic Cap Capacity	100 Plastic Caps
Magazine Capacity	Strip of 100 Staples
Firing Method	Intermittent Single Fire
Safety Trigger	Single Sequential Safety Trip Mechanism
Adjustable Drive Depth	Rotational Knob at Left Side of Stapler

## PRODUCT FEATURES



## TOOL SET UP/ASSEMBLY



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

**Note:** For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

### Unpacking

When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown throughout the manual as soon as possible.

- This air tool may be shipped with a protective cap covering the Air Plug (57). Remove this cap before set up.

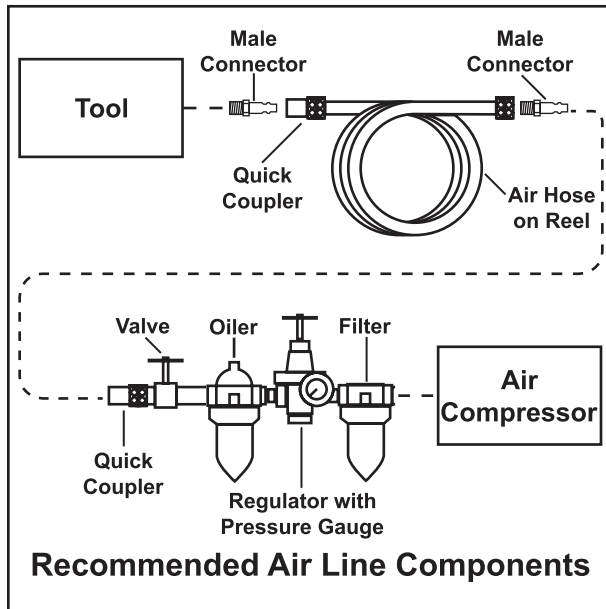
### Air Supply

#### ⚠ WARNING

#### TO PREVENT EXPLOSION:



Use only clean, dry, regulated, compressed air to power this tool. Do not use oxygen, carbon dioxide, combustible gases, or any other bottled gas as a power source for this tool.



1. Incorporate a filter, regulator, oiler and shut off valve for best service, as shown in the diagram above. **An in-line shutoff valve is an important safety device because it can immediately shut-off air flow in case of tool or hose failure.**

**Note:** If an automatic oiler system is not used, add a few drops of Pneumatic Tool Oil to the airline connection before operation. Add a few more drops after each hour of continual use.

2. Attach an air hose to the compressor's air outlet. Connect the air hose to the air inlet of the tool. Other components, such as a connector and quick coupler, will make operation more efficient, but are not required.

**⚠ WARNING! TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**

**Do not install a female quick coupler on the tool.** Such a coupler contains an air valve that will allow the air tool to retain pressure and

operate accidentally after the air supply is disconnected.

**Note:** Air flow, and therefore tool performance, can be hindered by under-sized air supply components.

3. The air hose must be long enough to reach the work area with enough extra length to allow free movement while working.
4. Make sure the tool's throttle or switch is in the off position; refer to Operation section for description of controls.
5. Close the in-line safety valve between the compressor and the tool.
6. Turn on the air compressor according to the manufacturer's directions and allow it to build up pressure until it cycles off.
7. Adjust the air compressor's output regulator so that the air output is enough to properly power the tool, but the output will not exceed the tool's maximum air pressure at any time. Adjust the pressure gradually, while checking the air output gauge to set the right pressure range.
8. Inspect the air connections for leaks. Repair any leaks found.
9. If the tool will not be used at this time, detach it from the air supply, safely discharge any residual air pressure, and release the throttle and/or turn the switch to its off position to prevent accidental operation.

**Note:** Residual air pressure should not be present after the tool is disconnected from the air supply. However, it is a good safety measure to attempt to



discharge the tool in a safe fashion after disconnecting to ensure that the tool is disconnected and unpowered.

## **OPERATING INSTRUCTIONS**



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Inspect Stapler before use, looking for damaged, loose, and missing parts. If any problems are found, do not use tool until repaired.

### **Tool Set Up**



#### **WARNING TO PREVENT SERIOUS INJURY**

##### **FROM ACCIDENTAL OPERATION:**

Turn off the Stapler, detach the air supply, safely discharge any residual air pressure in the tool, and release the Trigger (39) to its off position before performing any inspection, maintenance, or cleaning procedures.

##### **TO PREVENT SERIOUS INJURY:**

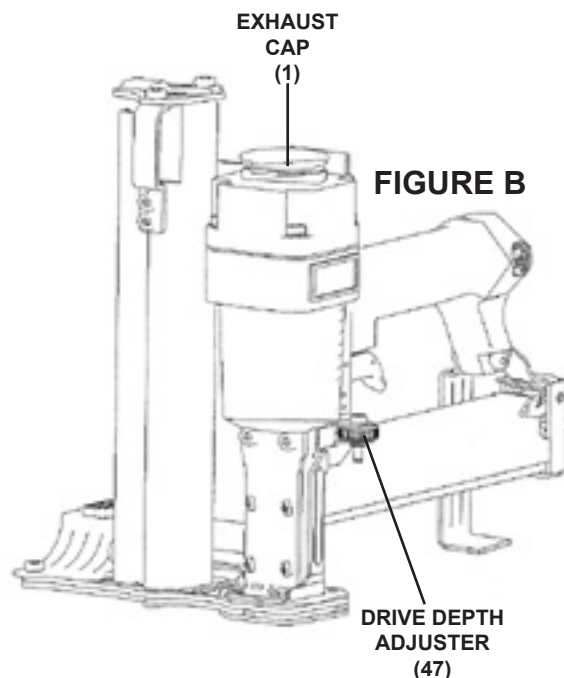
Do not adjust or tamper with any control or component in a way not specifically explained within this manual. Improper adjustment can result in tool failure or other serious hazards.

1. Each time the Stapler is fired, compressed air is exhausted through the Exhaust Cap (1). The Exhaust Cap

can be turned a full 360°. Prior to using the Stapler, always adjust the Exhaust Cap so that the compressed air is exhausted away from your face. (See Figure B.)

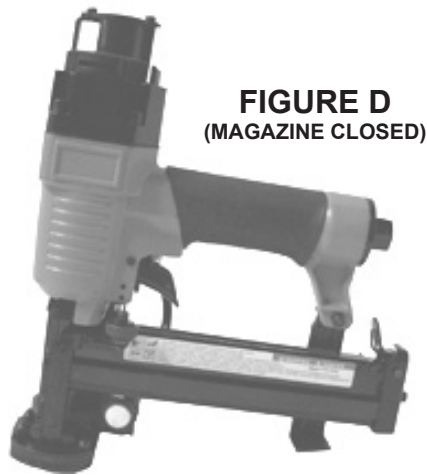
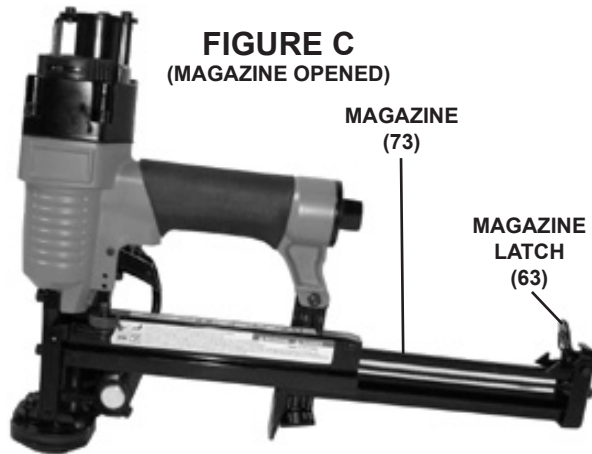
2. Always test for proper fastener penetration by driving staples into a scrap piece of wood. If the fasteners do not achieve the desired penetration, turn the Drive Depth Adjuster (47) to a higher setting until the desired penetration is achieved.

(See Figure B.)

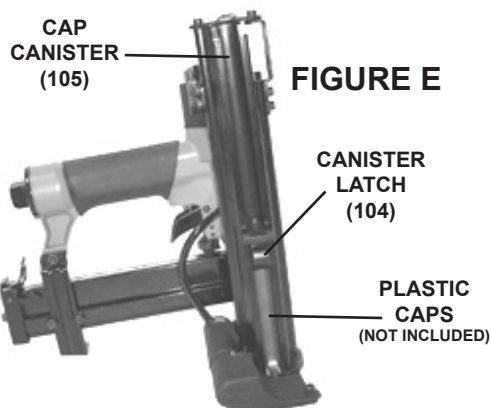


3. The Stapler is designed to accept staples from 3/8" to 1-1/4" in length. To load the tool with staples, depress the Magazine Latch (63). Pull back on the Magazine (73). Insert a strip of staples (up to 100 staples) in the Magazine. Then push the Magazine forward until the Magazine Latch catches.

(See Figures C and D, next page.)

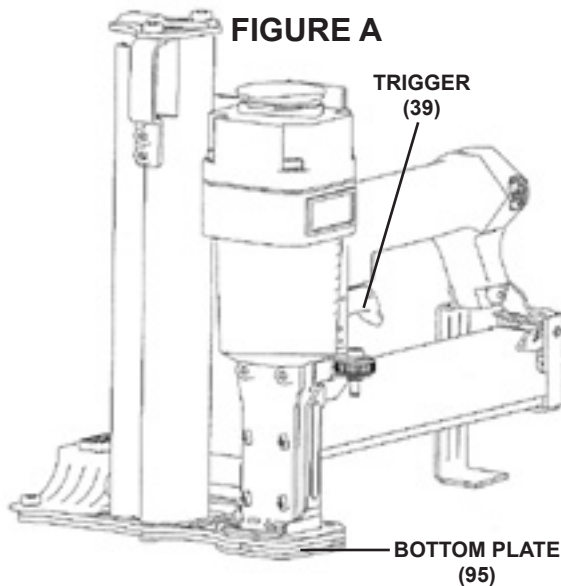


4. To load plastic caps into the Cap Canister (105), insert the plastic caps into the Cap Canister. Turn the Canister Latch (104) to apply pressure on the caps. Then remove the cap holder line from the plastic caps. (See Figure E.)



5. To test the single sequential safety trip mechanism of the Stapler:
  - **WARNING:** Even though the Stapler should be empty during this procedure, ALWAYS point the Stapler at a piece of scrap wood when testing.
  - Make sure the Stapler is disconnected from its air supply.
  - Completely empty the Stapler of staples and plastic caps.
  - The Stapler should not fire if the Bottom Plate (95) is not depressed against the scrap wood.
  - Make sure the Trigger (39) moves freely, without sticking.
  - Connect the air supply to the Stapler. Set the compressor's regulator at the recommended 70 to 90 operating pressure (PSI). Do not exceed the maximum 90 PSI.
  - Test the Stapler by depressing the Bottom Plate (95) against the scrap wood without pulling the Trigger (39). **The tool must not cycle (fire).** If it cycles (fires), stop immediately and have it repaired by a qualified service technician.
  - Hold the Stapler away or off the scrap wood. The Bottom Plate (95) should return to its original position. Squeeze the Trigger (39). **The tool should not cycle (fire).** If the tool cycles (fires), stop immediately and have it repaired by a qualified service technician.
  - Depress the Bottom Plate (95) against the scrap wood and squeeze the Trigger (39). **The tool must cycle (fire) only once.** Release the Trigger and squeeze it again. **The tool must cycle (fire)**

**only once.** With the Trigger held, carefully lift the Stapler and press it against the scrap wood again. **The tool must not cycle (fire).** If it fails to perform in the manner explained in bold, have it repaired by a qualified service technician. (See Figure F.)



### Work Area Set Up

1. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent injury and distraction.
2. Route the air hose along a safe route to reach the work area without creating a tripping hazard or exposing the air hose to possible damage. The air hose must be long enough to reach the work area with enough extra length to allow free movement while working.

3. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
4. There must not be hazardous objects (such as utility lines or foreign objects) nearby that will present a hazard while working.

### General Operating Instructions

#### **⚠WARNING**

ALWAYS wear ANSI-approved safety impact goggles and heavy duty work gloves when operating the Stapler.

1. If an automatic oiler is not used, add a few drops of Pneumatic Tool Oil to the airline connection before use. Add a few drops more after each hour of continual use.
2. Check to make sure the single sequential safety trip mechanism of the Stapler is working properly as previously discussed in this manual.
3. Load the Stapler with staples and plastic caps as previously discussed in this manual.
4. Connect the air supply to the Stapler, and set the compressor's regulator between 70 and 90 PSI.
5. Rotate the Exhaust Cap (1) so that the exhaust air blast will be directed away from the operator.
6. Test for proper fastener penetration. If necessary, adjust per paragraph 2 of tool Set-up Section on page 9.
7. To fire, place the Bottom Plate (95) of the Stapler on the workpiece. The Stapler should not cycle (fire) if the Bottom Plate is not depressed. Once

depressed, gently and briefly squeeze the Trigger (39) once. One staple and plastic cap will be fired.

8. Do not press the Bottom Plate (95) against the workpiece with excessive force. Allow the tool to do the work. Always allow the tool to recoil off the work surface.
9. If the Stapler requires more force to accomplish the task, verify that the tool receives sufficient, unobstructed airflow ( 6 CFM) and increase the pressure (70 to 90 PSI) output of the regulator up to the maximum air pressure rating of this tool.  
**CAUTION! TO PREVENT TOOL AND ACCESSORY FAILURE, RESULTING IN INJURY:**  
**Do not exceed the tool's maximum air pressure rating (90 PSI).**  
If the Stapler still does not have sufficient force at maximum pressure and sufficient airflow, then a larger Stapler may be required.
10. To prevent accidents, turn off the Stapler, detach the air supply, safely discharge any residual air pressure in the tool, and release the Trigger (39) to its off position after use. Clean external surfaces of the Stapler with clean, dry cloth, and apply a thin coat of tool oil. Then store the tool indoors out of children's reach.

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## MAINTENANCE INSTRUCTIONS

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**Procedures not specifically explained in this manual must be performed only by a qualified technician.**

## **! WARNING**

### **TO PREVENT SERIOUS INJURY**

#### **FROM ACCIDENTAL OPERATION:**

**Turn off the Stapler, detach the air supply, safely discharge any residual air pressure in the tool, and turn the Trigger (39) to its off position before performing any inspection, maintenance, or cleaning procedures.**

#### **TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:**

**Do not use damaged equipment. If abnormal noise, vibration, or leaking air occurs, have the problem corrected before further use.**



#### **TO PREVENT EXPLOSION:**

**Lubricate the Stapler only with specified lubricants. Lubricate the air inlet using only pneumatic tool oil. Lubricate the internal mechanism using only white lithium grease. Other lubricants may damage the mechanism and may be highly flammable, causing an explosion.**

**Note:** These procedures are in addition to the regular checks and maintenance explained as part of the regular operation of the air-operated tool.

#### **1. Daily:**

- Every day, perform maintenance on the air supply according to the component manufacturers' instructions. The lubricator's oil level needs to be maintained and the moisture

filter must be regularly drained. Performing routine maintenance on the air supply will allow the tool to operate more safely and will also reduce wear on the tool.

**2. After each use:**

- Clean the exterior of the Stapler using a clean cloth. Do not use solvents. Do not immerse the tool in liquid.

**3. Quarterly:**

- Have the internal mechanism cleaned, inspected, and lubricated by a qualified technician. If the vanes need replacement, all vanes should be replaced as a set.

**4. To clear jams:**

- Disconnect the Stapler from its air supply.
- Empty the Magazine (73) and Cap Canister (105) completely.
- Attempt to fire the Stapler into a piece of scrap wood to ensure that it is disconnected and incapable of firing any staples/plastic caps.
- If the staple/plastic cap is jammed in the discharge area, remove the Connecting Plate (76) and use pliers to remove the jammed staple/plastic cap. Then re-attach the Connecting Plate.
- If the staple is jammed inside the Magazine (73), depress the Magazine Latch (63). Pull back on the Magazine. Use pliers to remove the jammed staple. Then push the Magazine forward until the Magazine Latch catches.
- If the plastic cap is jammed inside the Cap Canister (105), turn and raise the Canister Latch (104). Use


pliers to remove the jammed plastic cap. Then turn and lower the Canister Latch to re-apply pressure on the plastic caps.

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**PLEASE READ THE  
FOLLOWING CAREFULLY**

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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.

TROUBLESHOOTING		
Problem	Possible Causes	Possible Solutions
Decreased output.	<ol style="list-style-type: none"> <li>1. Not enough air pressure and/or air flow.</li> <li>2. Obstructed trigger.</li> <li>3. Incorrect lubrication or not enough lubrication.</li> <li>4. Blocked air inlet screen (if equipped).</li> <li>5. Air leaking from loose housing.</li> <li>6. Mechanism contaminated.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check for loose connections and make sure that air supply is providing enough air flow (6 CFM) at required pressure (70-110 PSI) to the tool's air inlet. <b>Do not exceed maximum air pressure.</b></li> <li>2. Clean around trigger to ensure free movement.</li> <li>3. Lubricate using air tool oil and grease according to directions.</li> <li>4. Clean air inlet screen of buildup.</li> <li>5. Make sure housing is properly assembled and tight.</li> <li>6. Have qualified technician clean and lubricate mechanism. Install in-line filter in air supply as stated in Initial Set Up: Air Supply.</li> <li>7. Replace all vanes.</li> </ol>
Housing heats during use.	<ol style="list-style-type: none"> <li>1. Incorrect lubrication or not enough lubrication.</li> <li>2. Worn parts.</li> </ol>	<ol style="list-style-type: none"> <li>1. Lubricate using air tool oil and grease according to directions.</li> <li>2. Have qualified technician inspect internal mechanism and replace parts as needed.</li> </ol>
Severe air leakage. (Slight air leakage is normal, especially on older tools.)	<ol style="list-style-type: none"> <li>1. Cross-threaded housing components.</li> <li>2. Loose housing.</li> <li>3. Damaged valve or housing.</li> <li>4. Dirty, worn or damaged valve.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check for incorrect alignment and uneven gaps. If cross-threaded, disassemble and replace damaged parts before use.</li> <li>2. Tighten housing assembly. If housing cannot tighten properly, internal parts may be misaligned.</li> <li>3. Replace damaged components.</li> <li>4. Clean or replace valve assembly.</li> </ol>
Frequent jamming.	<ol style="list-style-type: none"> <li>1. Incorrect fasteners.</li> <li>2. Damaged fasteners.</li> <li>3. Magazine is dirty.</li> <li>4. Driver is worn or damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use the correct fasteners.</li> <li>2. Replace with undamaged fasteners.</li> <li>3. Clean magazine.</li> <li>4. Have a qualified service technician replace driver.</li> </ol>
 <b>Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect air supply before service.</b>		



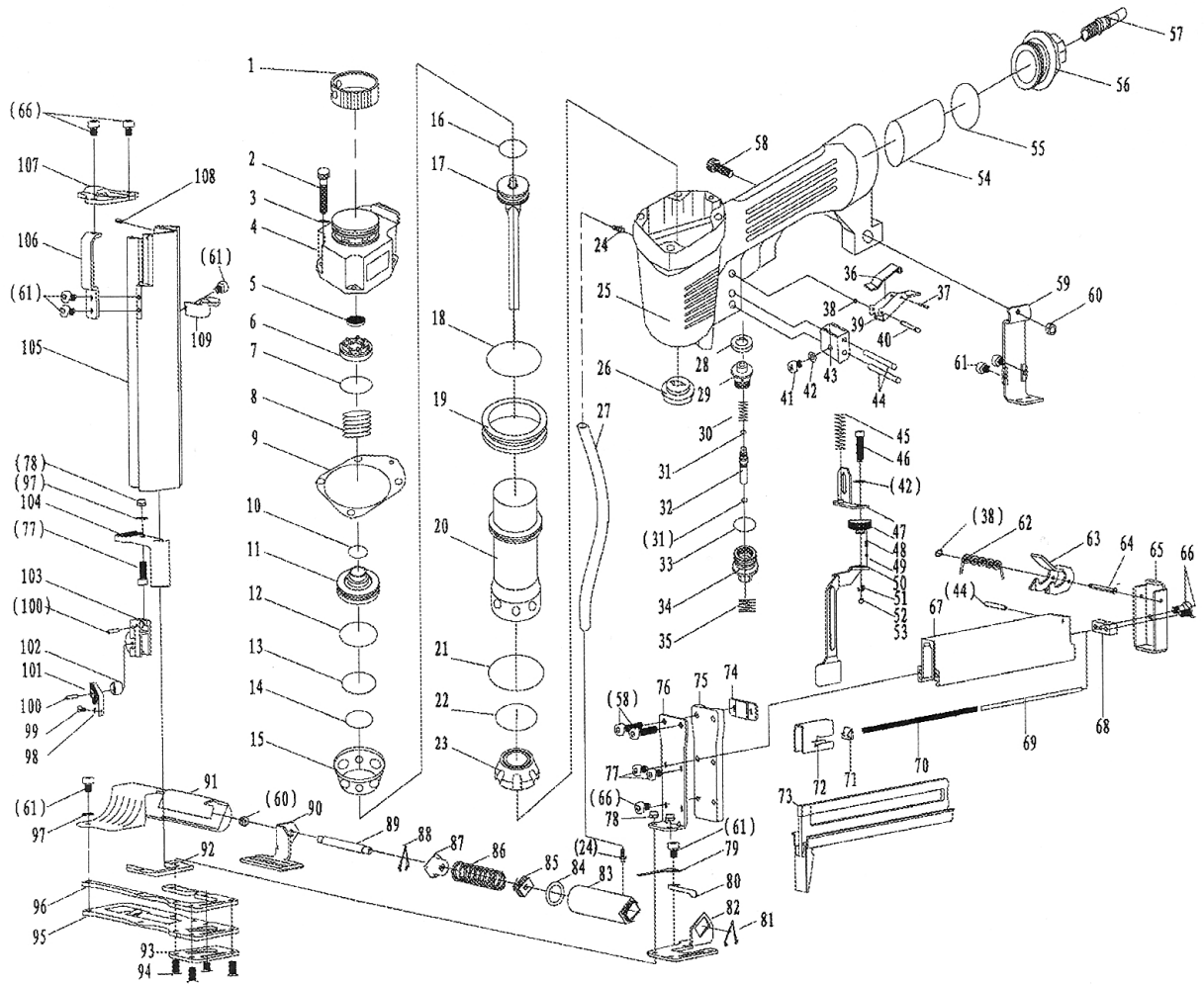
## PARTS LIST

Part #	Description	Part #	Description
1	Exhaust Cap	38	O-Ring
2	Hex Bolt	39	Trigger
3	Spring Washer	40	Pin
4	Cylinder Cap Unit	41	Hex Bolt
5	Seal	42	Spring Washer
6	Internal Lining	43	Guide (Work Contact Element)
7	O-Ring	44	Pin
8	Compression Spring	45	Spring
9	Gasket (Cylinder Cap)	46	Hex Bolt
10	O-Ring	47	Drive Depth Adjuster
11	Head Valve/Piston Valve	48	Nut
12	O-Ring	49	Spring
13	O-Ring	50	Ring
14	O-Ring	51	Safety
15	Collar	52	E-Ring
16	O-Ring	53	Stop Ring (Depth Control)
17	Piston Up Cover & Driver	54	Hand Grip
18	O-Ring	55	O-Ring
19	Lining Ring	56	End Cap
20	Cylinder	57	Air Plug
21	O-Ring	58	Hex Bolt
22	O-Ring	59	Tail Hanger
23	Bumper	60	Nut
24	Air Plug	61	Hex Bolt
25	Body	62	Spring
26	Nozzle	63	Magazine Latch
27	Air Hose	64	Pin
28	Seal	65	Tail Cover
29	Trigger Valve Head	66	Hex Bolt
30	Spring	67	Magazine (A)
31	O-Ring	68	Fixed Block
32	Trigger Plunger	69	Bar
33	O-Ring	70	Spring
34	Valve Body (Lower)	71	Pin
35	Spring	72	Pusher
36	Trigger Plate	73	Magazine (B)
37	Pin	74	Set Plate

## PARTS LIST - CONTINUED

Part #	Description	Part #	Description
75	Driver Guide	93	Plate
76	Connecting Plate	94	Hex Bolt
77	Hex Bolt	95	Bottom Plate
78	Nut	96	Plate
79	Spring Plate	97	Washer
80	Spring Plate	98	Washer
81	Retainer Ring	99	Hex Bolt
82	Fixing Seat	100	Pin
83	Cylinder Bushing	101	Pusher Spring
84	O-Ring	102	Idler Wheel
85	Piston	103	Spring Holder
86	Spring	104	Canister Latch
87	Stopper	105	Cap Canister
88	Retainer Ring	106	Bent Plate
89	Driver Blade	107	Upper Cover
90	Pusher	108	Pin
91	Cylinder Shelter	109	Connecting Block
92	Plate		

# ASSEMBLY DIAGRAM



## 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

**3491 Mission Oaks Blvd. • PO Box 6009 • Camarillo, CA 93011 • (800) 444-3353**

**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.