INDUSTRIAL PNEUMATIC STAPLERS

INSTRUCTION MANUAL

18ga NARROW CROWN STAPLERS

MODEL # **EFS-4800 /** FS-125-18 / FS-1916-18

PO BOX 971
LINCOLNTON, NC 28093
FAX 877 816-8428

WARNING



- **READ AND UNDERSTAND THIS MANUAL BEFORE OPERATING THE TOOL!**
- **IMPROPER USE OF THIS TOOL WILL RESULT IN DEATH OR SERIOUS INJURY!**
- **KEEP THIS MANUAL WITH THE TOOL FOR FUTURE REFERENCE.**

TECHNICAL DATA

Applications.....	Subflooring, Sheathing, Crating, Furniture Frames, Wall Sheathing
Features.....	Heavy Duty Stapler, Top Loading Magazine
Dimensions (H×L×W).....	FS-1916-18 : 247 x 65 x 242 mm FS-125-18 : 218 x 57 x 190 mm
Weight.....	FS-1916-18 : 1570 g FS-125-18 : 1270 g
Air Inlet.....	□NPT 1/4" ..... □PT 1/4"
Maximum Permissible Operating Pressure.....	120 PSI (8 BAR)
Recommended Operating Pressure.....	70 – 100 PSI (5 – 7 BAR)

PO BOX 971
LINCOLNTON, NC 28093
FAX 877 816-8428

NOISE CHARACTERISTIC VALUES IN ACCORDANCE WITH ENxx1:

A-weighted single-event sound pressure level at operator's position: $L_{PA,\ ls}$ = 94dBA

A-weighted single sound pressure level:$L_{pA,ls,lm}$ = 89dBA

Caution! AT THE WORKPLACE, ALWAYS WEAR HEARING PROTECTION EQUIPMENT

VIBRATION CHARACTERISTIC VALUES IN ACCORDANCE WITH ISO 8662, PART II :
Weighted root mean square acceleration = 3.2m/s2

SAFETY INSTRUCTIONS

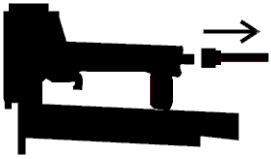
WARNING

- **READ ALL INSTRUCTIONS.** Do not attempt to operate the tool until you read and understand all safety precautions and manual instructions.

- Never use oxygen or combustible gas as a power source for the tool. **EXPLOSION MAY OCCUR.**
- Use dry, filtered, lubricated and regulated compressed air only.

- Never use gasoline or other flammable liquids to clean the tool. Vapors in the tool will ignite by a spark and cause the tool to explode.

- Do not exceed maximum permissible operating pressure 120 PSI (8 BAR).



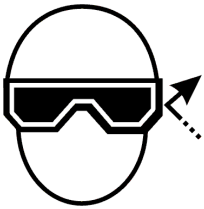
- Disconnect the tool from air supply when: loading and unloading, clearing jams, performing service or maintenance and non-operation.

ALWAYS ASSUME THE TOOL IS LOADED!

SAFETY INSTRUCTIONS

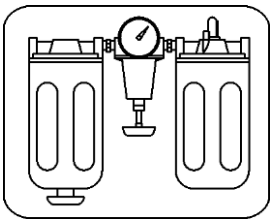
WARNING

- Do not use the tool when changing one driving location to another, involves the use of stairs, ladders or scaffolding.
- Do not carry the tool with your finger on the trigger.
- Do not carry the tool by the hose or pull the hose to move the tool. Carry the tool only the handle.



- Wear eye protection with side shields that conform to ANSI Z87.1 specifications.
- Wear eye protection where tools are being operated. **FREE FLIGHT FASTENERS OR DEBRIS WILL CAUSE PERMANENT EYE INJURY.**
- Wear hearing protection and hard hats.

- Never point the tool at yourself or at any other person at all times.
- Never operate the tool while working above others. **DEATH OR SERIOUS INJURY MAY OCCUR.**
- No horseplay! Work safe!



- Use air compressors that meet ANSI B19.3 safety standards.
- Use pressure regulator, filter and oiler.
- Use air supply hose rated for 150 PSIG minimum.
- Do not use a check valve or any other fitting that allows air to remain in the tool.

TOOL MAINTENANCE

● VISUAL INSPECTION

1. Smooth safety and trigger movement.
2. All screws are tightened.
3. Never use damaged or incomplete tool.

● CLEANING

The periodical cleaning of the tool is recommended to ensure proper functioning.

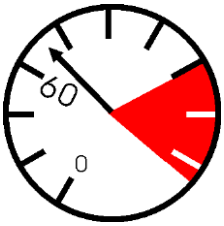
1. Disconnect the tool from air supply.
2. Remove all fasteners
3. Clear the magazine and nose sections with a blowgun to remove any accumulated debris.
4. Check for free movement of the trigger, follower and work contact element. Remove any obstructions carefully.
5. Oil tool daily with proper air tool oil.
6. Empty the air tanks on your compressor daily to prevent moisture buildup in the air lines.

● LUBRICATION

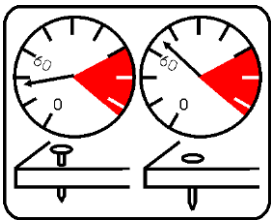
The tool should be lubricated daily.

1. Add a few drops of non-detergent oil in the tool air inlet before each use.
2. Never use detergent oils, which can damage o-rings causing the tool to malfunction.
3. Wipe off excessive oil from the exhaust.
   Excessive oil will damage o-rings of tool.

1. Protect your eyes and ears. Wear Z87.1 safety glasses with side shields. Wear hearing protection. Employers and users are responsible for ensuring the user or anyone near the tool wears this safety protection.
2. Check and replace any damaged or worn components on the tool. The safety warning labels on the tool must also be replaced if they are illegible.
3. Add a few drops of lubricant into the air inlet.
4. Install a quick connect fitting to the tool.
5. Connect the tool to an air compressor using a 3/8” I.D. hose. Make sure the tool is not loaded and the hose has a rated working pressure exceeding **200 PSI (13.8 BAR)**.

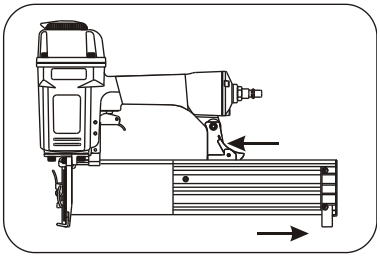


6. Regulate the air pressure to obtain **70 PSI (5 BAR)** at the tool. Check the operation of the safety yoke mechanism.
7. Insert fasteners into your tool following the instructions of loading the tool.
8. Reconnect the air hose to the tool.

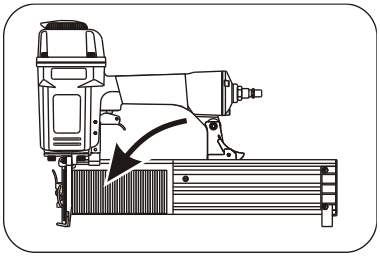


9. Test for proper fastener penetration by driving fasteners into a piece of wood. If the fasteners do not achieve the desired penetration, regulate the air pressure to a higher setting until the desired penetration is achieved. Do not exceed 120 PSI (8 BAR) at the tool.

TOOL LOADING – SIDE LOAD DESIGN

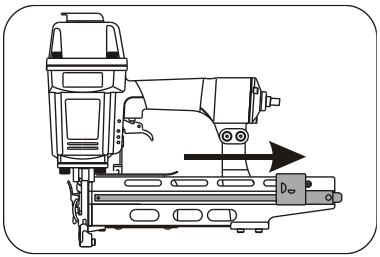


1. Disconnect air supply.
2. Unlatch and slide rearward the magazine

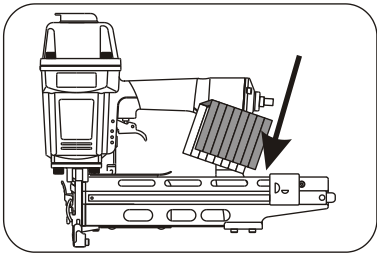


3. Insert fasteners and slide magazine forward to engage.
4. Connect air supply to the tool.

TOOL LOADING – TOP LOAD DESIGN

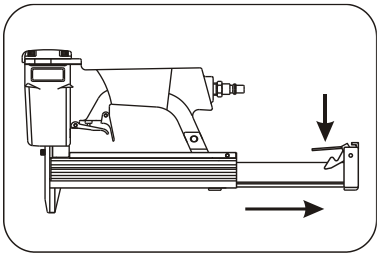


1. Disconnect air supply.
2. Pull back on nail pusher in magazine unit until it locks in the rear position.

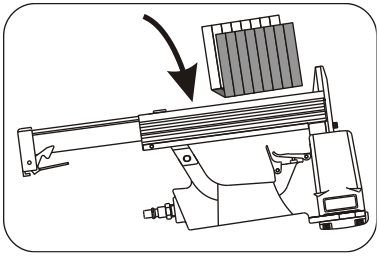


3. Insert strips of fasteners into the magazine.
4. Release the nail pusher gently allowing it to move forward to engage the fasteners in the magazine.
5. Connect air supply to the tool.

TOOL LOADING – BOTTOM LOAD DESIGN

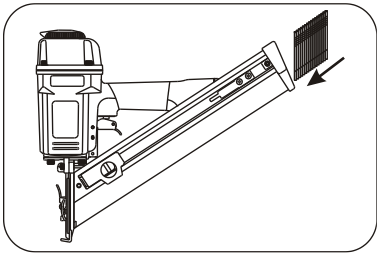


1. Disconnect air supply.
2. Unlatch and slide rearward the magazine

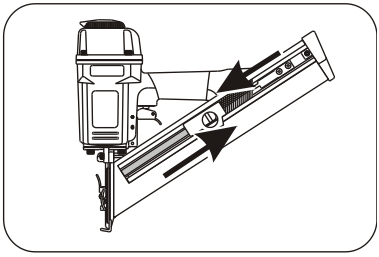


3. Insert fasteners and slide magazine forward to engage.
4. Connect air supply to the tool.

TOOL LOADING – REAR LOAD DESIGN



1. Disconnect air supply.
2. Insert a strip of fasteners into the magazine from the rear slot.



3. Pull the nail pusher backwards gently allowing the fasteners to slide forward. Release the nail pusher to engage the fasteners.
4. Connect air supply to the tool.

TROUBLESHOOTING

WARNING

Stop using the tool immediately if any of the following problems occurs. Serious personal injury could occur. Necessary repair or replacement must be carried out by a qualified and trained technician of an authorized service location.

PROBLEM	CAUSE	TROUBLESHOOTING
Weak drive.	Tool not lubricated.	Lubrication.
	Broken spring in cap assembly.	Replace spring.
	Exhaust port in cap is blocked.	Clean or replace damaged internal parts.
Tool jams.	Worn or damaged nose.	Replace nose.
	Damaged driver.	Replace driver.
	Incorrect size of fasteners.	Use recommended fasteners.
	Bent fasteners.	Replace with new fasteners.
	Magazine or nose screws are loose.	Tighten screws.
Tool does not fire.	Fasteners jammed in magazine or discharge area.	Inspect and clean magazine.
	Piston shaft is damaged.	Replace piston shaft.
	Air pressure too low.	Check/increase air pressure.

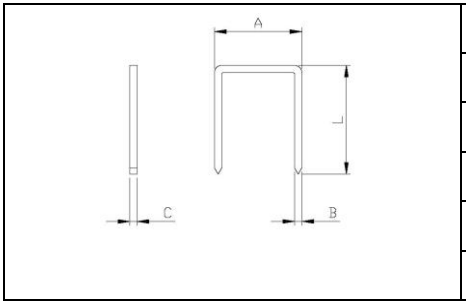
TROUBLESHOOTING

WARNING

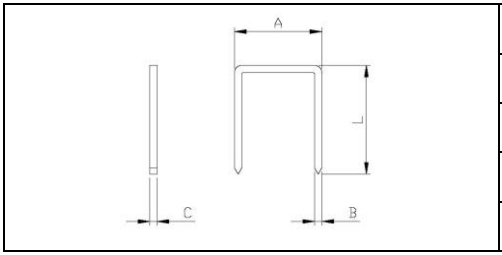
Stop using the tool immediately if any of the following problems occurs. Serious personal injury could occur. Necessary repair or replacement must be carried out by a qualified and trained technician of an authorized service location.

PROBLEM	CAUSE	TROUBLESHOOTING
Air leaking at trigger valve area.	Damaged O-rings in trigger valve housing.	Replace O-rings & check the operation of safety yoke mechanism.
Air leaking between housing and nose.	Loose screws in housing.	Tighten screws.
	Damaged O-rings.	Replace O-rings.
	Damaged bumper.	Replace bumper.
Air leaking between housing and cap assy.	Loose screws.	Tighten screws.
	Damaged seal.	Replace seal.
Tool skips driving fastener.	Worn bumper.	Replace bumper.
	Dirt in nose.	Clean nose.
	Dirt or damage prevents fasteners from moving freely in magazine.	Clean magazine and inspect/repair damage.
	Inadequate air inflow.	Check fitting, hose, compressor & air pressure.
	Worn O-ring on piston or lack of lubrication.	Replace O-rings. Lubrication.
	Damaged O-rings on trigger valve.	Replace O-rings.
	Air leaks.	Tighten screws and fittings.
	Air leakage due to worn cap seal.	Replace seal.

FASTENERS



	FS-125-18
L	15-32mm (5/8”~1 1/4”)
A	5.8mm (1/4”)
B	1.25mm (.050”)
C	1.0mm (.040”)



	FS-1916-18
L	22-40mm (7/8”~1 9/16”)
A	5.8mm (1/4”)
B	1.25mm (.050”)
C	1.0mm (.040”)

5-1-2017