Owner's Manual & Safety Instructions

Save This Manual 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. 24d

Bauer™

20181F-B

4V CORDLESS STAPLER



Visit our website at: http://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com

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When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

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

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WARNING SYMBOLS AND DEFINITIONS	
⚠	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	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

General Power Tool Safety Warnings

⚠WARNING

Read all safety warnings and all instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your battery-operated (cordless) power tool.

1. **Work Area Safety**
   a. **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
   b. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
   c. **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*
2. **Electrical Safety**

Do not expose power tools to rain or wet conditions. *Water entering a power tool will increase the risk of electric shock.*

3. **Personal safety**

   a. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*

   b. **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

   c. **Prevent unintentional starting. Ensure the Trigger is in the off-position before connecting to power source, picking up or carrying the tool.** *Carrying power tools with your finger on the Trigger or energizing power tools that have the Trigger on invites accidents.*

   d. **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*

   e. **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewelry or long hair can be caught in moving parts.*

   f. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

   g. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.

   h. This product is not a toy. Keep it out of reach of children.

   i. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.

   j. The warnings, precautions, and instructions discussed in this instruction 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 cannot be built into this product, but must be supplied by the operator.

   k.  **Always wear hearing protection when using the tool.** *Prolonged exposure to high intensity noise is able to cause hearing loss.*

   l.  **Always wear eye protection.** *Wear ANSI-approved safety goggles with side shields.*

   m. **Always assume that the tool contains fasteners.** *Do not point the tool toward yourself or anyone whether it contains fasteners or not.*

   n. **WARNING – Do not drive fastener on top of another fastener.** *This is able to cause the fastener to be deflected and hit someone, or cause the tool to react and result in a risk of injury to persons.*

   o. **WARNING – Remove finger from the Trigger when not driving fasteners.** *Never carry the tool with finger on Trigger, the tool is able to discharge a fastener.*

   p. **Only use safety equipment that has been approved by an appropriate standards agency.** *Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.*

4. **Power tool use and care**

   a. **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*

   b. **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*

   c. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*

   d. **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*

   e. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

f. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

g. **Use only those fasteners listed in the Specifications chart of this manual.** *Fasteners not identified for use with this tool by the tool manufacturer are able to result in a risk of injury to persons or tool damage when used in this tool.*

5. **Stapler Safety Warnings**

a. **Always assume the tool contains fasteners.** *Careless handling of the tacker can result in unexpected driving of fasteners and personal injury.*

b. **Do not point the tool toward yourself or anyone nearby.** *Unexpected triggering will discharge the fastener causing an injury.*

c. **Do not actuate the tool unless the tool is placed firmly against the workpiece.** *If the tool Is not in contact with the workpiece, the fastener may be deflected away from your target.*

d. **Disconnect the tool from the power source when the fastener jams in the tool.** *While removing a jammed fastener, the nailer may be accidentally activated if it is energized.*

e. **Use caution while removing a jammed fastener.** *The mechanism may be under compression and the fastener may be forcefully discharged while attempting to free a jammed condition.*

f. **Do not use this tacker for fastening electrical cables.** *It is not designed for electric cable installation and may damage the insulation of electric cables thereby causing electric shock or actuate hazards.*

g. Operators and others in work area MUST wear ANSI-approved safety goggles with side shields during use. The employer is responsible to enforce the use of eye protection by the operator and others in the work area.

h. Keep fingers away from Trigger when not driving fasteners to avoid accidental discharge.

i. Choice of triggering method is important. Check manual for triggering options.

j. Respect the tool as a working implement.

k. No horseplay. This tool is not a toy and can be deadly if misused.

l. Do not load the tool with fasteners when any one of the operating controls, such as the Trigger or Workpiece Contact, is activated.

m. Do not remove, tamper with, or otherwise cause the tool operating controls to become inoperable.

n. Do not operate the tool if any portion of the tool operating controls is inoperable, disconnected, altered, or not working properly.

o. Do not make any modifications to this tool.

p. Refer to the tool maintenance instructions for detailed information on the proper maintenance of the tool.

q. Drive fasteners into an appropriate work surface only. Do not attempt to discharge fasteners into surfaces too hard to penetrate. Do not drive fasteners on top of other fasteners, or at too steep of an angle. Fasteners can ricochet causing personal injury.

r. Do not drive fasteners too close to the edge of a workpiece. They may split the workpiece and fly free, causing personal injury.

s. Keep clear of the workpiece near the area being fastened. Fasteners may bend sideways during driving, causing them to exit the workpiece at an unexpected point, causing personal injury.

t. Transport tool safely. Always turn off the tool when moving the tool. Carry the tool by the handle and avoid contact with the Trigger.

u. Hold tool away from head and body. During operation the tool may kick back causing injury.

v. Do not drive fasteners into a workpiece that has people, utility lines, or other objects behind or inside it.

w. Keep balance while using this tool. Keep area below clear if working in an elevated location.

x. Do not engrave or stamp anything into the housing to avoid weakening it.

6. **Service**

a. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

b. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

7. **Battery tool use and care**

Contains Li-Ion battery. Battery must be recycled or disposed of properly. Do not open, crush, heat above 140° F or incinerate.

8. **Vibration Safety**

This tool 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:

a. 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 symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.

b. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.

c. Wear suitable gloves to reduce the vibration effects on the user.

d. Use tools with the lowest vibration when there is a choice.

e. Include vibration-free periods each day of work.

f. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.

g. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

⚠ SAVE THESE INSTRUCTIONS.

Grounding

⚠WARNING

TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING: Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the charger. Do not use the charger if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

Extension Cords

Note: Extension cords must not be used with this item's Charger.

Symbology

	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields.
	Warning marking concerning Risk of Puncture Injury. Wear heavy-duty work gloves.
	Read the manual before set-up and/or use.

	WARNING marking concerning Risk of Fire. Do not cover Charger ventilation ducts. Charge on actuateproof surface only.
	WARNING marking concerning Risk of Electric Shock. Properly connect Charger's power cord to appropriate outlet.
	WARNING marking concerning Risk of Explosion. Do not puncture, short, or open battery packs and do not charge damaged battery packs.

Specifications

Charger Input Rating	120VAC / 60Hz / 1000mA
Battery Rating	4V / 1500mAh
Battery Type	Li-Ion
Actuation System	Single Sequential
Staple Length	1/4″ / 5/16″ / 3/8″ / 1/2″
Staple Type	3/8″ Crown

Setup - Before Use:

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.

Functions



Workpiece Contact - The Workpiece Contact helps prevent the tool from driving unless it is pressed against an object.

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.

Tool Set Up

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL DISCHARGE:
Make sure that the Trigger is in the off-position and remove its Battery Pack before performing any procedure in this section.

Charging

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

NOTE: Before using Stapler for the first time, fully charge the Battery.

1. Plug Adaptor into Charge Port on back of Stapler.
2. Plug Adaptor into a grounded 120VAC outlet.
3. The Charge Indicator on the tool will turn Red during charging. When charging is done, it will turn Green. Unplug the Adaptor.

NOTICE: Do not leave the Battery in a discharged state. Charge the Battery every 3 months if the Stapler is not in use. This will keep the Battery from wearing down and add to its life. Do not charge the Stapler at temperatures below 40° F.

Workpiece and 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 distraction and injury.
2. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
3. There must not be objects, such as utility lines, nearby that will present a hazard while working.

Single-Sequential Actuation Mechanism Definition

The single-sequential actuation mechanism is designed to allow accurate placement of fasteners. The tool should only actuate if the Workpiece Contact is pressed against the workpiece prior to pulling the Trigger. It should only actuate again if the trigger is released and squeezed again. The Tool should not actuate if the Workpiece Contact is not pressed against an object.

Single-Sequential Actuation Mechanism Testing Procedure

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL DISCHARGE:
Empty the tool before this procedure. Point the tool at a piece of scrap wood when testing.

1. Turn off the tool.
2. Empty the magazine of fasteners.
3. Check that the Trigger and the Workpiece Contact move freely, without sticking.
4. Turn on tool.
5. Test the tool by pressing the Workpiece Contact against the workpiece without pulling the Trigger. **The tool must not cycle (actuate).** If it cycles (actuates), stop immediately and have it repaired by a qualified service technician.

6. Hold the tool away, or off of the workpiece. The Workpiece Contact should return to its original position. Squeeze the Trigger.
   The tool must not cycle (actuate).
   If it cycles (actuates), stop immediately and take the tool to a qualified service technician.
7. Press the Workpiece Contact against the workpiece and squeeze the Trigger.
   The tool must cycle (actuate) only once.
   Release the Trigger, slide the Stapler to a fresh piece of wood, and squeeze it again.
   The tool must cycle (actuate) again only once.
   With the Trigger held, carefully lift the tool and press it against the workpiece again.
   The tool must not cycle (actuate).
   If it fails to act in the manner explained in bold, have it repaired by a qualified service technician.

Loading the Tool

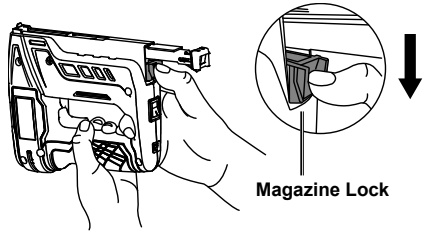
⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL DISCHARGE, BEFORE LOADING:

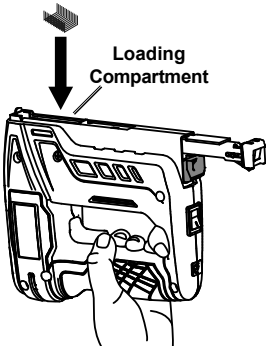


- **Wear ANSI-approved safety goggles with side shields.**
  Other people in the work area must also wear ANSI-approved impact safety goggles with side shields.
- **Turn Power Switch off.**
- **Attempt to discharge the Tool into a piece of scrap wood to**

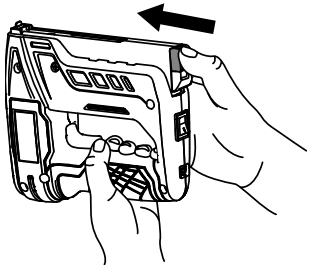
1. Turn Stapler upside down. Pull Magazine Lock down and pull the Pusher out as far as it will go.



2. Insert staples into Magazine with pointed ends facing up.



3. Slide Pusher in until Magazine Lock snaps securely in place.



General Operating Instructions

1. Turn the power switch on.
2. Before each use, test the tool as directed in the prior section.



WARNING! TO PREVENT SERIOUS INJURY: Keep second hand away from tool discharge area, especially if holding workpiece. Tool applies extreme force to fastener, and fasteners may deflect or discharge in an unexpected direction.

WARNING! TO PREVENT SERIOUS INJURY: Do not hold tool near body while driving. Tool recoil can cause injury.



WARNING! TO PREVENT SERIOUS INJURY, INCLUDING PERMANENT HEARING LOSS: Always wear hearing protection when using the tool.

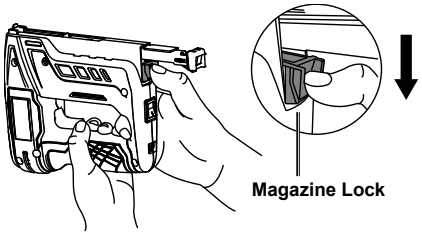
3. Position tool at desired fastener location and depress the Workpiece Contact fully against the workpiece. Squeeze the Trigger to discharge a fastener.

Note: Depress the Workpiece Contact before each squeeze of the Trigger.

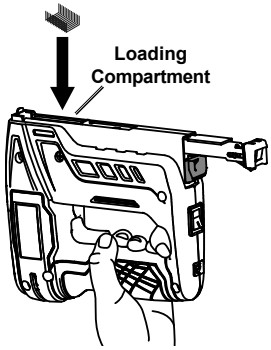
4. **After use, to prevent accidents:**
   a. **Release the Trigger.**
   b. **Turn the Power Switch off.**
   c. **Attempt to discharge the tool into a piece of scrap wood to ensure that it is disconnected and is incapable of driving any fasteners.**
   d. **Release the Trigger again.**
   e. **Clean external surfaces with clean, dry cloth.**
   f. **Store indoors out of children's reach.**

Clearing a Jam

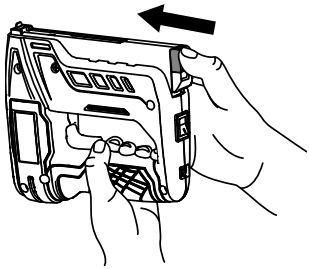
1. Turn Power Switch off.
2. If a fastener is jammed in the discharge area, remove it with pliers.
3. If a fastener is jammed in the Magazine, turn Stapler upside down. Pull Magazine Lock down and pull the Pusher out as far as it will go.



4. Pull out the jammed fastener and the remainder of the fastener strip that is still in the magazine. Dispose of the remaining fastener strip; it may be bent or damaged in some other way.
5. After removing and discarding jammed staple, Insert staples into Magazine with pointed ends facing up.



6. Slide Pusher in until Magazine Lock snaps securely in place.



Maintenance and Servicing

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

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL DISCHARGE, BEFORE ANY MAINTENANCE OR REPAIRS ARE DONE (including clearing jams):

- **Wear ANSI-approved safety goggles with side shields.** Other people in the work area must also wear ANSI-approved impact safety goggles with side shields.
- **Release the Trigger.**
- **Attempt to discharge the tool into a piece of scrap wood to ensure that it is disconnected and is incapable of driving any fasteners.**
- **Empty the Magazine and leave it open during service.**

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE,** inspect the general condition of the tool. Check for:
   - proper Workpiece Contact operation
   - free Workpiece Contact and Trigger movement
   - loose hardware,
   - misalignment or binding of moving parts,
   - cracked or broken parts, and
   - any other condition that may affect its safe operation.
2. **AFTER EACH USE,** perform the following procedures:
   - empty the Magazine
   - attempt to discharge the tool into a piece of scrap wood to ensure that it is incapable of driving any fasteners
   - clean the Pusher and Magazine to remove any accumulated dirt and debris.
   - clean external surfaces with clean, dry cloth
   - store indoors out of children's reach.
3. Store tool and charger in dry, indoor area out of reach of children and away from metal objects (i.e., paperclips, coins) to prevent shorting.

Battery Removal

NOTE: Contains Li-Ion battery. Battery must be recycled or disposed of properly.

1. Remove six screws from side of Stapler, then remove housing.



2. Disconnect Battery wires.
3. Remove Battery.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool cycles without driving fastener.	1. Jammed fastener.	1. Clear jammed fastener according to Clearing Jams instructions.
	2. Tool empty.	2. Reload with correct fasteners.
	3. Incorrect fasteners used.	3. Empty, then reload with correct fasteners.
	4. Magazine and Pusher dirty.	4. Clean Magazine and Pusher.
Frequent jamming.	Incorrect staple type.	Confirm staple crown and length. Correct as needed.
Tool will not start.	1. Battery not properly charged.	1. Make sure Charger is connected and operating properly. Give enough time for Battery to recharge properly.
	2. Battery worn-out.	2. Have qualified technician service tool.
	3. Internal damage or wear. (Carbon brushes or Trigger, for example.)	3. Have qualified technician service tool.
Tool operates slowly.	1. Forcing tool to work too fast.	1. Allow tool to work at its own rate.
	2. Battery wearing out.	2. Have qualified technician service tool.
Performance decreases over time.	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have qualified technician service tool.
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have qualified technician service tool.
Overheating.	1. Forcing tool to work too fast.	1. Allow tool to work at its own rate.
	2. Blocked motor housing vents.	2. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air.

Follow all safety precautions whenever diagnosing or servicing the tool.
Disconnect Battery Pack and Charger power supply before service.

Record Product's Serial Number Here: _____

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

Note: Replacement parts may be available for this item.
Visit **harborfreight.com/parts** for a list of in stock parts. Reference UPC792363572415.

Limited 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.

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