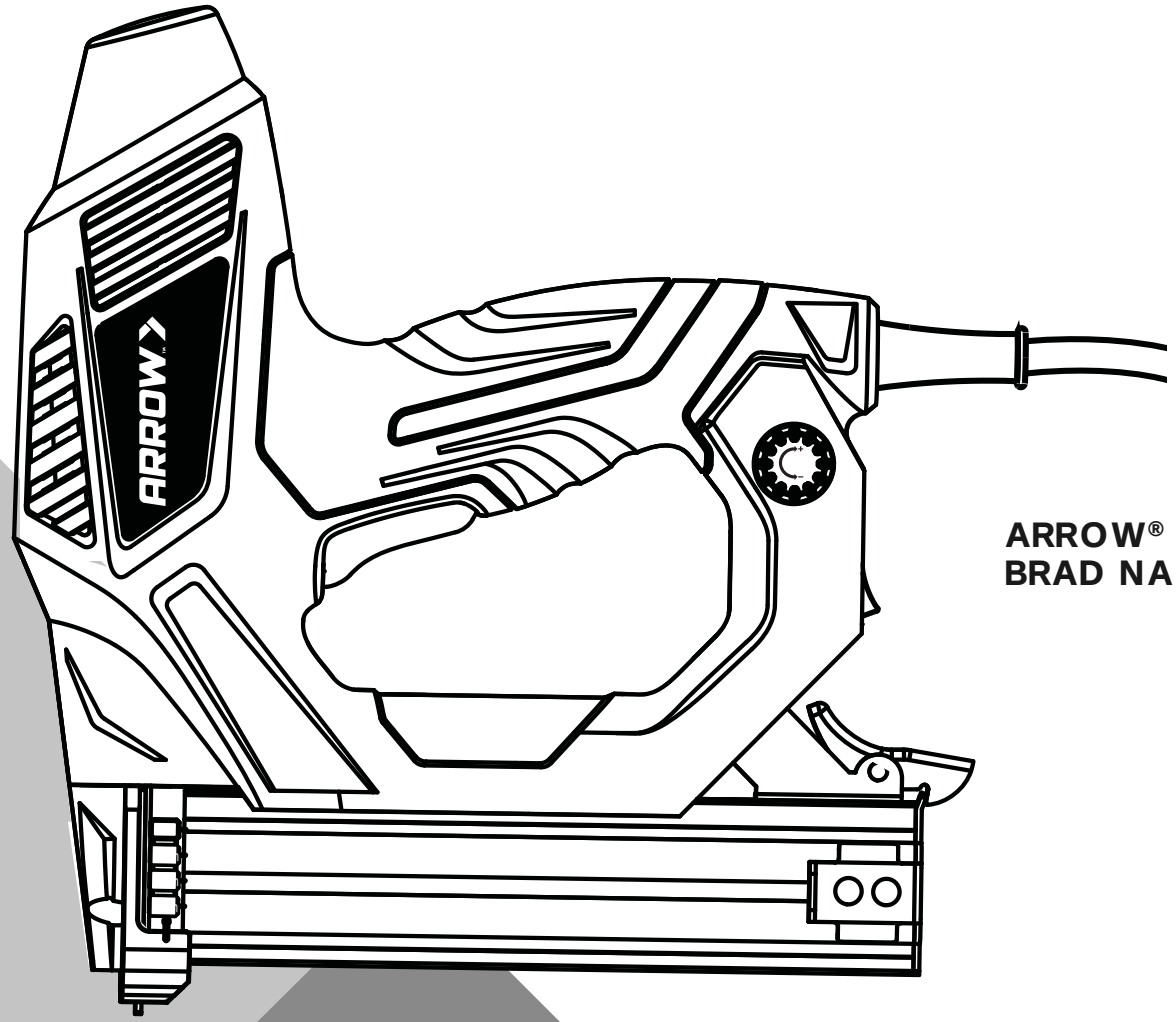
ARROW™

HOW IT ALL COMES TOGETHER

ET200BN™



ARROW® ET200BN™ ELECTRIC BRAD NAIL GUN

ET200BN™ ELECTRIC BRAD NAIL GUN

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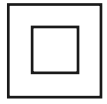


Class II Tool

Always wear safety glasses when operating the tool.

To avoid injury and misuse, please read the instruction manual before operation.

Obey all safety messages that follow this symbol to avoid possible injury or death.

To avoid loss of hearing, always wear ear protection when operating the tool.

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 mains-operated (corded) 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 atmosphere, 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

a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Modifying plug and failure to use proper outlet increases risk of electrical shock.
b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
c) **Do not expose power tools to rain or wet conditions.** Getting a power tool wet will increase the risk of electric shock.
d) **Keep cord intact. Do not abuse cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces 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 and ear protection.** Protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection used for appropriate conditions will reduce the risk of personal injuries.
c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to the power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
f) **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.
g) **If devices are provided for the collection of dust, ensure these are connected and properly used.** Use of these devices can reduce dust-related hazards.

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) **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
d) **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.
e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
g) **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 by the manufacturer could result in a hazardous situation.

5. MAINTENANCE

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

SPECIFIC WARNINGS & SAFETY RULES

TOOL SAFETY WARNINGS

- **Always assume that the tool contains fasteners.** Careless handling of the tacker can result in unexpected firing of fasteners and personal injury.
- **Do not point the tool towards yourself or anyone nearby.** Unexpected triggering will discharge the fastener causing an injury.
- **Do not actuate the tool unless the tool is placed firmly against the work-piece.** If the tool is not in contact with the workpiece, the fastener may be deflected away from your target.
- **Disconnect the tool from the power source if the fastener jams in the tool.** While removing a jammed fastener, the tacker may be accidentally activated if it is plugged in.
- **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.
- **Do not use this nailer 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 fire hazards.

ADDITIONAL SAFETY RULES

1. Hold tool by insulated gripping surfaces when performing an operation where the nailing tool may contact hidden wiring or its own cord. Contact with a “live” wire will also make exposed metal parts of the tool “live” and shock the operator.

2. Know your power tool. Read operator’s manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this tool. Following this rule will reduce the risk of electric shock, fire, or serious injury.

3. Always wear safety glasses with side shields. Everyday glasses have only impact resistant lenses. They are NOT safety glasses. Following this rule will reduce the risk of eye injury.

4. Protect your lungs. Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.

5. Protect your hearing. Wear hearing protection during extended periods of operation. Following this rule will reduce the risk of serious personal injury.

6. Do not attempt to alter the tool. Any unauthorized alteration and/or use of unauthorized replacement parts is misuse, which could result in a hazardous condition causing possible serious personal injury. Unauthorized parts and/or tool modification automatically voids warranty.

7. Use only original Arrow® replacement parts.

8. The tool should always be supplied via a residual current device with a rated residual current of 20 mA or less.

SAFETY INSTRUCTIONS FOR BRAD NAILERS

- **Secure the workpiece** (a workpiece clamped with clamping devices or in a vice is held more securely than by hand)
- **Never push in the nailer contact tip manually** (there is danger of injury when at the same time the trigger is activated unintentionally)
- Avoid damage that can be caused by screws, nails and other elements in your workpiece; remove them before you start working
- Always check that the supply voltage is the same as the voltage indicated on the nameplate of the tacker
- In case of electrical or mechanical malfunction, immediately switch off the tool
- Arrow can assure flawless functioning of the tool only when original accessories are used
- This tool should not be used by people under the age of 16 years
- At 20 shots/min, the ET200BN™ brad nailer should be allowed to cool down after 30 minutes as it is only rated for short-time duty.

DEFINITION OF SYMBOLS USED ON TOOL & FUNCTIONAL DESCRIPTION

FUNCTIONAL DESCRIPTION

V ..... Volts
A ..... Amperes
Hz ..... Hertz
~ ..... Alternating Current

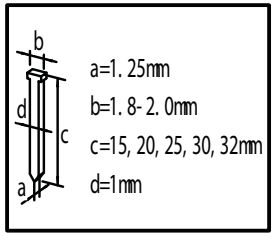
Class II Tool

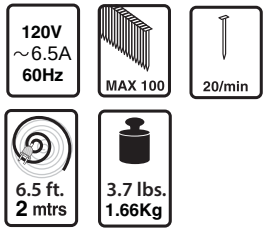
Always wear safety glasses when operating the tool.

Obey all safety messages that follow this symbol to avoid possible injury or death.

To avoid loss of hearing, always wear ear protection when operating the tool.

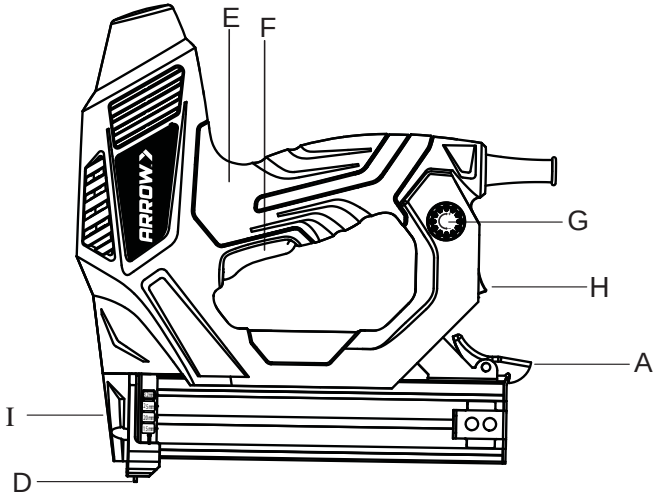
TECHNICAL SPECS

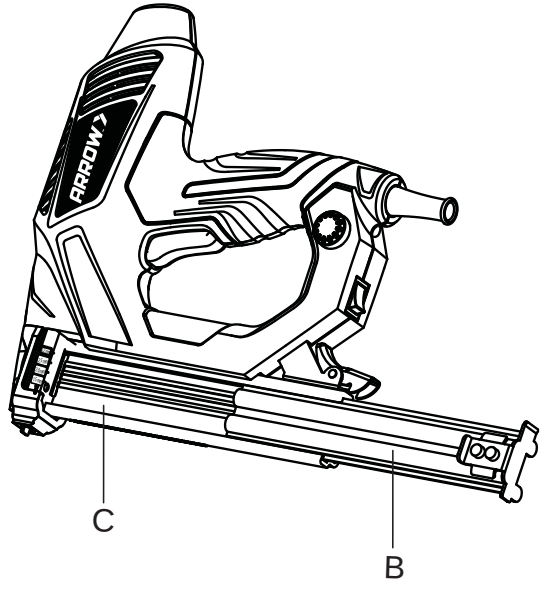




TOOL ELEMENTS

A. Lever for opening magazine
B. Slider
C. Magazine
D. Nailer head
E. Soft grip handle
F. Trigger
G. Depth control adjustment knob
H. On/off switch
I. Contact tip





ARROW™ ASSEMBLY & OPERATION

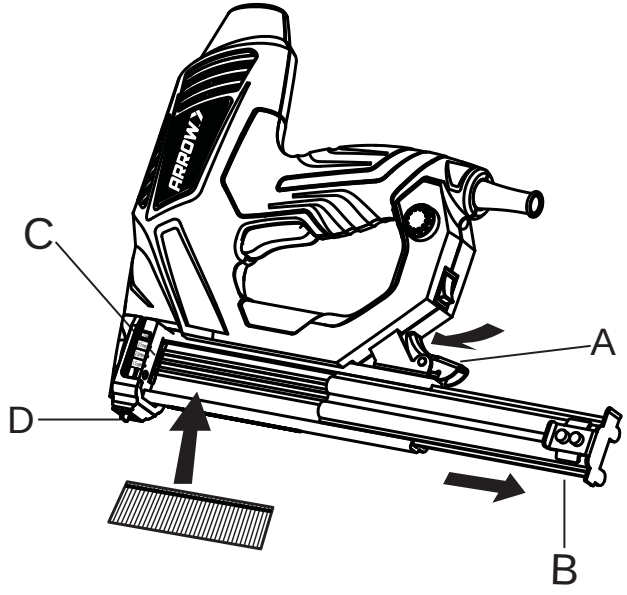
HOW IT ALL COMES TOGETHER

ASSEMBLY

1. **MAKE SURE YOU HAVE READ ALL SAFETY INSTRUCTIONS.**
2. This tool comes completely assembled. There is no assembly required.

LOADING NAILS

- Disconnect the tool from the power source when loading brad nails
- Tilt the tool or lay the tool flat, so the nails will not drop out while loading
- Press lever (A) while pulling slider (B) backwards
- Place the nail strip into magazine (C) (maximum capacity 100 nails)



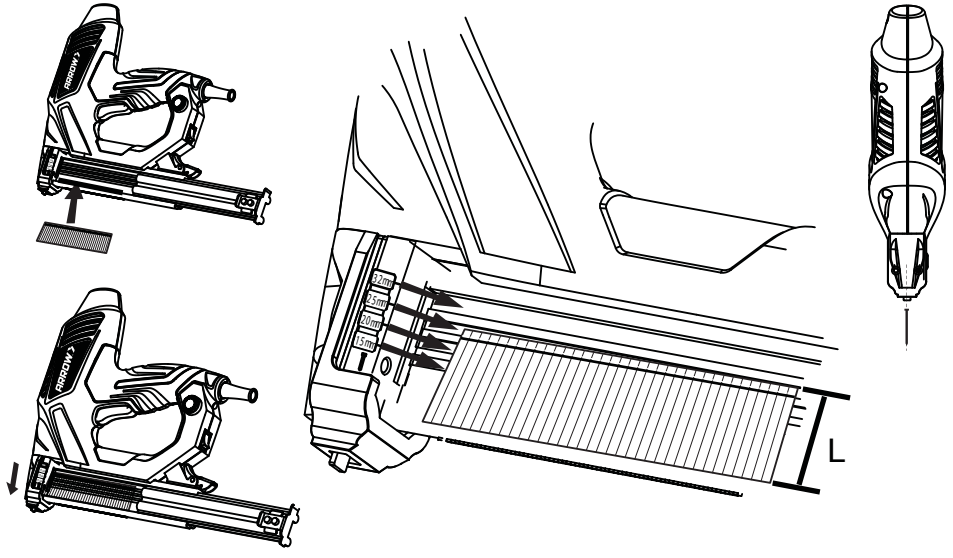
OPERATION

TO OPERATE THE TOOL

First position the contact tip on the work surface without pulling the trigger. Depress the contact tip until the nose touches the work surface and then pull the trigger to drive a nail.

⚠ ATTENTION!

- Make sure that the nail strip is loaded with the tapered end aligning with the bottom line of the magazine (C), so the brad nail heads rest into the groove which corresponds with the symbol of nail length on nailer head (D)
- Push slider (B) towards nailer head (D) until it snaplocks

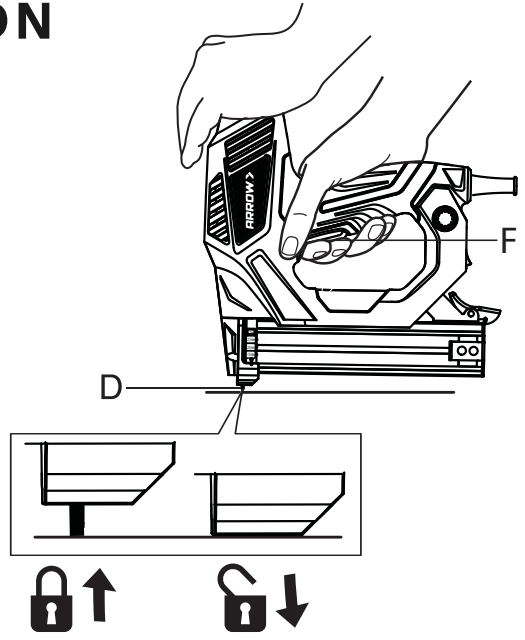


ARROW™
HOW IT ALL COMES TOGETHER

ASSEMBLY & OPERATION

OPERATING YOUR TOOL

To fire your tool, firmly press tacker head (D) against the workpiece depressing the contact safety on the front of the tool a few millimeters. Once the contact safety is depressed, briefly push the trigger (F) to fire your brad nail and then release again. Trigger (F) is locked as long as you do not press tacker head (D) against the workpiece, thus preventing accidental operation. You must pick up the front of the tool and reactivate the contact safety for each shot.



⚠ REMOVE ALL NAILS FROM MAGAZINE AFTER EACH USE

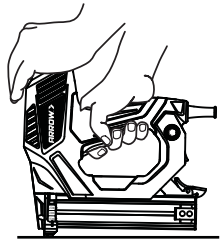
- Firmly press nailer head (D) against the workpiece until the contact tip is depressed.
- Briefly press trigger (F) and then release again
- Trigger (F) is locked as long as you do not press nailer head (D) against the workpiece, thus preventing accidental operation

HOW TO DETERMINE PROPER BRAD NAIL SIZE

In choosing the proper nail length for a job, there are two basic things to consider:
1. Thickness of material to be nailed.
2. Hardness of the wood. As a general rule, in hardwood, approximately 5/8" to 1" penetration into the wood is sufficient... and for softwood – up to approximately 1-1/4" should be sufficient. However, if the brad nail used "stands away" from the work – this means that too long a leg length has been used. In that case, we recommend the next shorter leg length for desired results.

NAIL INSTRUCTIONS FOR BRAD NAILERS

- Roughly, the hardness of wood is divided into 3 levels:
  - High
  - Medium
  - Low
- Nails of different length are applicable for different wood hardness
- The tool has a recoil when firing, so two hands operation is suggested, to have a better control of the operation

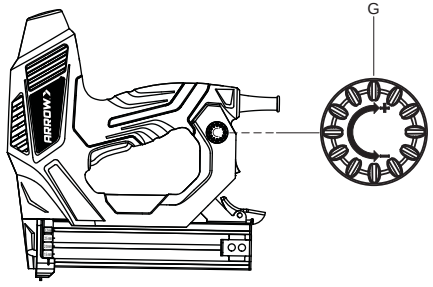
NO.	WOOD	WOOD HARDNESS	LENGTH OF NAIL	HAND OPERATION
1	BEECH WOOD	HIGH	5/8", 3/4", 1"	 TWO HANDS OPERATION (SEE PICTURE). ONE HAND OPERATION IS NOT SUGGESTED.
2	OAK		5/8", 3/4", 1"	
3	MEDIUM DENSITY FIBERBOARD	MEDIUM	5/8", 3/4", 1"	
4	SOLID WOOD		5/8", 3/4", 1", 1-1/4"	
5	PINE	LOW	5/8", 3/4", 1", 1-1/4"	
6	PLYWOOD		5/8", 3/4", 1", 1-1/4"	
7	CEDAR		5/8", 3/4", 1", 1-1/4"	

ASSEMBLY & OPERATION

HOW IT ALL COMES TOGETHER

DEPTH CONTROL

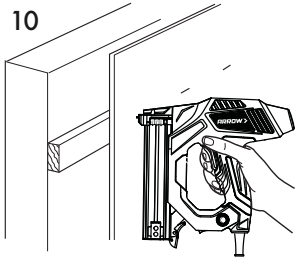
With knob (G) the required depth level can be adjusted
- Indicator (G) shows the selected depth level
- "-" for thin and light materials
- "+" for thick and tough materials such as hard woods and walls
- Before starting a job, find the optimal depth level by testing out on spare material



APPLICATION ADVICE

- Fastening panels (10)
- Do not use the tool for fastening ceiling paneling on profiled wood or grooves
- Fixing textiles (11)
- Avoid blank shots in order to reduce the wear of the impact strike

10



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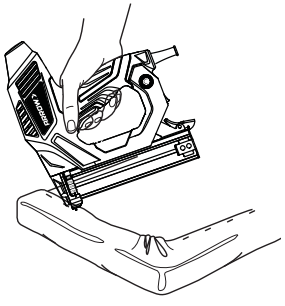
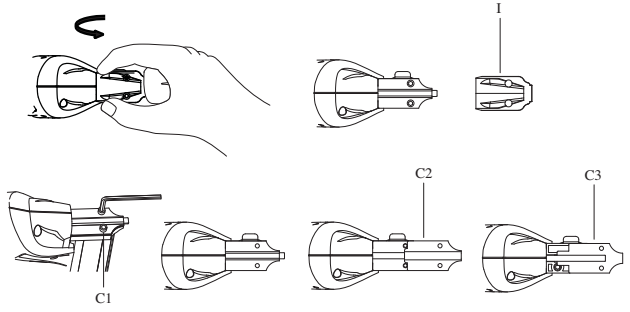


UNBLOCKING JAMMED FASTENERS

⚠ UNPLUG POWER CORD FROM POWER SOURCE BEFORE REMOVING NAILS.

In the unlikely event that nails become jammed, follow these instructions to remove them:
- Remove the nose tip (I)
- Remove the plate retaining bolts (C1)
- Remove the safety mechanism retaining plate (C2)
- Remove the firing pin retaining plate (C3)

⚠ NOTE THE LOCATION AS WELL AS THE ORDER IN WHICH PARTS ARE REMOVED FROM THE BRAD NAILER, THIS WILL MAKE IT EASIER TO REBUILD IT. FOLLOW ALL SAFETY WARNINGS WHEN TESTING THE TOOL AFTER REBUILDING IT TO HELP ENSURE IT WAS PROPERLY REASSEMBLED.



⚠ ATTENTION

Make sure that the nail strip is loaded with the tapered end aligning with the bottom line of the magazine (C), so the brad nail head rest right into the grooves which corresponds with the symbol of nail length on brad nailer head (D).

On very hard surfaces, firing recoil may interfere with nail penetration. Enhance driving power by firmly placing one hand on top of cap.

TOOLS MAINTENANCE & ACCESSORIES

TOOL MAINTENANCE

Your brad nail gun is virtually maintenance free. Keep tool clean and free of dust. Wipe clean with a dry cloth; do not use harsh chemicals to clean your brad nail gun.

ET200BN™ for 120V
Use 14 gauge extension cord

c UL us LISTED
E216890

ACCESSORIES

A WORD ABOUT ARROW® BRAD NAILS
Only Arrow knows the proper brad nail tolerances required for best performance of the ET200BN™ Electric Brad Nail Gun. Only genuine Arrow 18 Gauge brad nails are made to these exact tolerances to help ensure top fastening performance. Accept no substitutes. Always insist on genuine Arrow brad nails.

Genuine Arrow brad nails are available at retail outlets, hardware stores, lumberyards and wherever fine tools are sold.

EXTENSION CORDS
Replace or repair damaged cords.
For extension cord use 14 gauge wire.

BN1810™	5/8″	15mm
BN1812™	3/4″	20mm
BN1816™	1″	25mm
BN1820™	1-1/4″	32mm