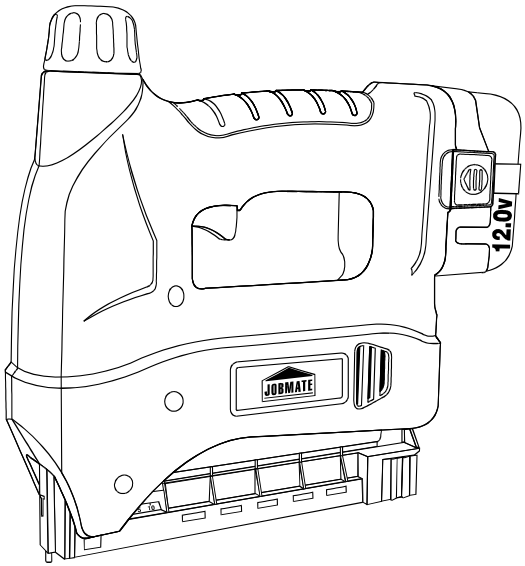
Owner's Manual

JOBMATE

12 V Nailer/Stapler

54-2934-8



CAUTION:
Before using this nailer/stapler or any of its accessories, read this manual and follow all Safety Rules and Operating Instructions.

- **General Safety Rules**
- **Specific Safety Rules and Symbols**
- **Functional Description**
- **Assembly**
- **Operation**
- **Maintenance**
- **Accessories**

Imported by Trileaf Distribution Trifeuil Toronto, Canada M4S 2B8
Rev 0 10/26/05

TABLE OF CONTENTS

WARRANTY

1-year Warranty

This JobMate product carries a **one (1) year** warranty against defects in workmanship and materials. Trileaf Distribution agrees to replace the defective product free of charge with the same model or one of equal value or specification, within the stated warranty period, when returned by the original purchaser with **proof of purchase**. This product is not guaranteed against wear or breakage due to misuse and/or abuse.

This product is not guaranteed if used for industrial or commercial purposes.

TOLL FREE HELPLINE: 1-866-JOBMATE

⚠ **WARNING: Some dust created by sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:**

- **Lead from lead-based paints**
- **Crystalline silica from bricks, cement and 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 dust masks or respirators specifically designed to filter out microscopic particles.

PRODUCT SPECIFICATIONS

NAILER/STAPLER

Motor rating …….	12 V DC
Switch ……	Single shot trigger
Staple repeat speed	40 shots per minute
Staple size ……	Width: $^{3}/_{8}$" Length: ¼, $^{5}/_{16}$, $^{3}/_{8}$, ½, $^{17}/_{32}$ & $^{9}/_{16}$"
Brad size ……...	Gauge: 18 Length: ¾, 1, 1¼"
Magazine capacity ……..	100 Nails or staples

BATTERY & CHARGER

Battery Voltage ……	12 V
Charger ……..	3–5 Hour, Class 2
Charger Input ……...	120 V AC, 60 Hz
Charger Output ……	15 V DC, 500 mA
Replacement Battery ……..	54-2778-0

⚠ WARNING: To avoid electrical hazards, fire hazards or damage to the nailer/stapler battery charger, use proper circuit protection.

This battery charger is wired at the factory for 110–120 V operation. It must be connected to a 110–120 V 15 A time delayed fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.

POWER TOOL SAFETY

GENERAL SAFETY RULES

⚠ WARNING: Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

WORK AREA

Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.

Do not operate power tools in potentially explosive environments, such as in the presence of flammable liquids, gas or dust. Power tools create sparks which may ignite the dust or fumes.

Keep bystanders, children and visitors away while operating the tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized plug only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not alter the plug in any way. Double insulation eliminates the need for the three-prong grounded power cord and grounded power supply system.

Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. **There is increased risk of electric shock if your body is grounded.**

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

Do not abuse the cord. Never use the cord to carry the tool or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

When operating a power tool outdoors, use an outdoor extension cord marked "W-A" or "W". These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

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

Dress properly. Do not wear loose clothing or jewellery.

Contain long hair. Keep your hair, clothing and gloves away from moving parts. Loose clothing, jewellery or long hair can be caught in moving parts.

Avoid accidental starting. Be sure switch is OFF before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch ON invites accidents.

SAVE THESE INSTRUCTIONS FOR REFERENCE

POWER TOOL SAFETY

PERSONAL SAFETY – cont'd

Remove adjusting keys or wrenches before turning the tool ON. A wrench or key that is left attached to a rotating part of the tool may result in personal injury.

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

Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.

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

Do not use the tool if the power switch does not turn it ON or OFF. Any tool that cannot be controlled with the switch is dangerous and must be repaired.

Disconnect the plug from the power source before making any adjustments, changing accessories or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

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.

Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.

SERVICE

Tool service must be performed only by qualified personnel. Service or maintenance performed by unqualified personnel could result in risk of injury.

When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of electric shock or injury.

SPECIFIC SAFETY RULES

⚠ **WARNING: Know your nailer/stapler. Read the Owner's Manual carefully. Learn the tool's 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.

SAVE THESE INSTRUCTIONS FOR REFERENCE

SPECIFIC SAFETY RULES

Always wear safety goggles or face mask. Use dust mask along with safety goggles if operation is dusty.

Always use hearing protection, particularly during extended periods of operation.

Do not wear gloves, neckties or loose clothing.

Do not nail or staple any workpiece that is too small to be securely held.

Always use a safe method to secure the workpiece, and use both hands to guide the tool. Never place hands near or below the surface being nailed or stapled.

Always keep hands on the tool and not near the nail or staple mechanism. Avoid awkward hand positions where your hand could move into the path of the nail or staple.

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

Always make sure the work surface is free from nails and other foreign objects. Hitting a nail can cause the nail or staple to bend and the tool to jump.

Never lay workpiece on hard surfaces like concrete, stone, etc. Protruding cutting bit may cause tool to jump.

Always remove the battery pack from the tool before adding or removing nails or staples from the magazine.

Always remove the battery pack from the tool before servicing or removing a jammed nail or staple from the magazine.

When installing the battery pack, make sure your finger is NOT touching the trigger switch. Make sure your hands and workpiece are clear of the mechanism.

BATTERY & CHARGER SAFETY

Do not store or carry battery in a manner in which metal objects could contact the exposed metal end. Do not place battery in aprons, pockets, drawers, etc. with loose nails, screws, keys etc. The battery could short circuit causing a fire, personal injury or damage to the battery.

Never attempt to open the battery for any reason. If the housing of the battery breaks or cracks, immediately discontinue use and do not recharge.

Do not charge the battery if it is wet or shows any evidence of corrosion.

A small leakage from the battery may occur under extreme usage, charging or temperature conditions. This does not indicate a failure. **If however, the outer seal is broken and this leakage gets on your skin, follow these steps:**

SAVE THESE INSTRUCTIONS FOR REFERENCE

1. Wash immediately with soap and water.
2. Neutralize with a mild acid such as lemon juice or vinegar.
3. If liquid gets into your eyes, flush immediately with clean water for a minimum of 10 minutes and seek medical attention.
   NOTE: The battery liquid is a 20–35% solution of potassium hydroxide.

Do not incinerate the battery. It can explode in a fire.

Do not use an extension cord unless absolutely necessary. Plug the charger cord directly into an electrical outlet.

Use the charger only in a standard 110–120 V 60 Hz electrical outlet.

Charge the battery only with the charger supplied with the nailer/stapler.

Do not use the charger in wet or damp conditions. It is intended for indoor use only. Do not use the charger near sinks or tubs. Do not immerse the charger in water.

Do not allow the cord to hang over the edge of a table or counter or touch hot surfaces. The charger should be placed away from sinks and hot surfaces.

Do not use charger to charge any batteries other than the nailer/stapler batteries. Other batteries may explode.

Do not operate charger if cord or plug is damaged. Replace damaged cord and plug immediately.

Do not operate charger if it has received a sharp blow, been dropped or otherwise damaged in any way. Have a qualified technician examine the charger and repair it if necessary. Do not disassemble the charger.

For best results, only charge the battery when the temperature range of the battery or work area is between 10–40°C (50–105°F).

Unplug the charger when not in use and before cleaning or maintenance.

Do not abuse the cord. To reduce the risk of damage to the electric cord or plug, never carry the charger by the cord or yank the cord to pull the plug. Always grasp the plug and pull to disconnect. Always keep the cord away from heat, oil and sharp edges.

EXTENSION CORD SAFETY

⚠ WARNING: Keep the extension cord clear of the working area. Position the cord so it will not get caught on the workpiece, tools or any other obstructions while you are working with the power tool.

Make sure any extension cord used with this tool is in good condition. When using an extension cord, be sure to use one of heavy enough gauge to carry the current the tool will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The table on the next page shows the correct size to use according to cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number the heavier the cord.

EXTENSION CORD SAFETY

Be sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it. Protect your extension cord from sharp objects, excessive heat and damp or wet areas.

Use a separate electrical circuit for your power tools. This circuit must not be less than 14 gauge wire and should be protected with either a 15 A time delayed fuse or circuit breaker. Before connecting the power tool to the power source, make sure the switch is in the OFF position and the power source is the same as indicated on the nameplate. Running at lower voltage will damage the motor.

MINIMUM GAUGE (AWG) EXTENSION CORDS (120 V use only)					
Ampere Rating		Total length in feet			
More Than	Not More Than	25'	50'	100'	150'
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Applicable	

SYMBOLS

⚠ WARNING: Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

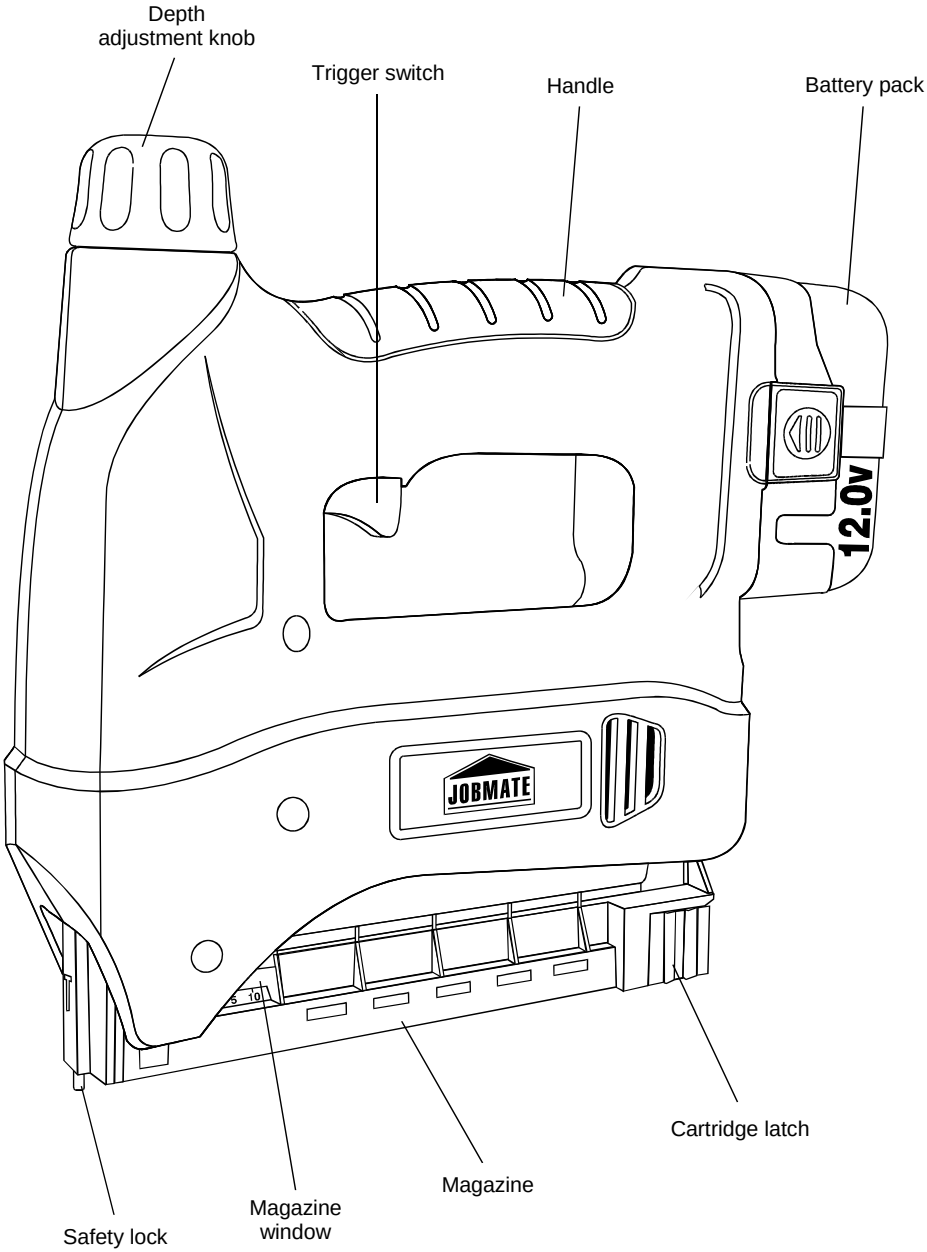
V	volts
A	amperes
Hz	hertz
W	watt
kW	kilowatts
μF	microfarads
L	litres
Kg	kilograms
H	hours
N/cm^2	newtons per square centimeter
Pa	pascals
Min	minutes
S	seconds
~	alternating current
3~	three-phase alternating current

3N~	three-phase alternating current with neutral
⎓	direct current
n_o	no load speed
⎓~	alternating or direct current
⧈	class II construction
	splash proof construction
	watertight construction
⏚	protective earthing at earthing terminal, Class I tools
.../min	revolutions or reciprocations per minute
Ø	diameter
0	off position
➡	arrow
⚠	warning symbol

c UL us LISTED

This symbol designates that this tool is listed with both Canadian and U.S. requirements by Underwriters Laboratories.

KNOW YOUR NAILER/STAPLER



ACCESSORIES & CARTON CONTENTS

AVAILABLE ACCESSORIES

⚠ WARNING: Use only nails and staples recommended for this nailer/stapler. Follow instructions that accompany the nails and staples. Use of improper nails or staples may cause injury to the operator or damage to the tool.

Do not use any nails or staples unless you have read and understand the instructions on the package and those contained within this Owner's Manual.

- 18 Gauge nails
  ¾, 1 & 1¼" long
- $^{3}/_{8}$" wide staples
  ¼, $^{5}/_{16}$, ½, $^{17}/_{32}$ & $^{9}/_{16}$" long

CARTON CONTENTS

⚠ WARNING: If any part is missing or damaged, do not charge the battery or insert the battery into the nailer/stapler until the missing or damaged part is replaced.

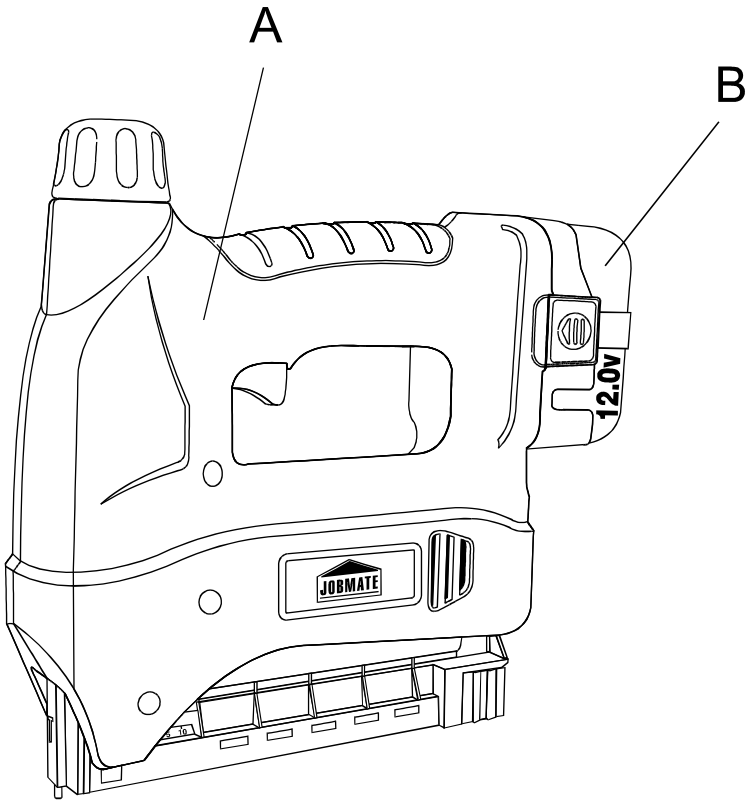
Carefully unpack the nailer/stapler. Compare against the "NAILER/STAPLER COMPONENTS" chart at right.
NOTE: See product diagram on Page 12.

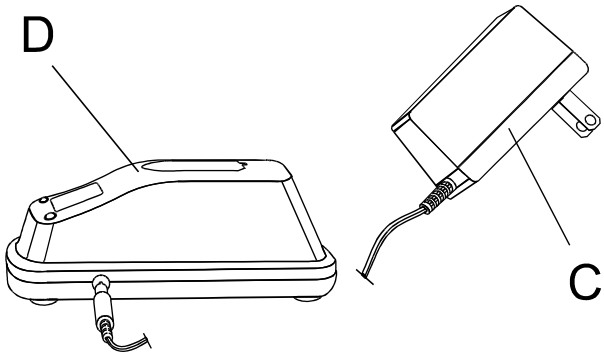
⚠ WARNING: To avoid fire or toxic reaction, never use gasoline, naphtha, acetone, lacquer thinner or similar highly volatile solvents to clean the tool.

CARTON CONTENTS – cont'd

NAILER/STAPLER COMPONENTS		
KEY	**DESCRIPTION**	**QTY**
A	Nailer/stapler	1
B	Battery pack	1
C	Battery charger	1
D	Charging stand	1
	Owner's manual	1

CARTON CONTENTS





ASSEMBLY & OPERATION

CHARGING THE BATTERY PACK

1. Place the charging stand near a 110–120 V 60 Hz electrical outlet.

2. Insert small charger plug (1) into charger stand (2) and plug the battery charger (3) into the 110–120 V 60 Hz wall receptacle (see Fig. 1).
   NOTE: The green indicator light (4) will turn ON.

3. Turn the battery pack (5) upside down and insert it into the matching slots on the charger stand.
   NOTES:
   a) Make sure the battery pack fits completely into the slots on the charger.
   b) The red indicator light (6) will come ON when the battery pack is properly inserted into the charger stand.
   c) If red indicator light does not come ON, check to make sure battery pack is inserted fully into the charger and the electrical outlet is working properly.

NOTES:

a) A new battery pack or one that is completely run down should be charged for 5 hours. After normal use, a battery pack should be fully charged in about 3 hours.
b) It is normal for the battery charger to hum and be warm to the touch during operation.
c) If the battery pack does not charge properly, check to make sure the electrical outlet is “live”.
d) The battery pack should only be charged in an area where the temperature is between 10–40°C (50–105°F).

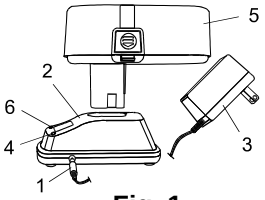


Fig. 1

INSTALLING THE BATTERY PACK IN THE NAILER/STAPLER

1. Remove the discharged battery pack (1) from the tool by pressing the battery release buttons (2) on each side of the battery pack and pulling the battery pack out of the rear of the tool handle (3) (Fig. 2).

2. Insert the fully charged battery pack into the matching slots in the tool handle where the discharged battery pack has been removed.
   NOTE: The battery release buttons will “click” into place when the battery pack is fully installed.

⚠ **WARNING: Do not immerse battery pack in water. Sudden cooling could cause a hot battery to explode or leak.**

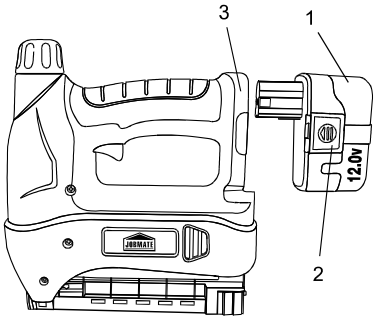


Fig. 2

ASSEMBLY & OPERATION

⚠ WARNING: Always remove the battery pack from the tool before adjusting or servicing the tool and while adding or changing nails or staples in the magazine. This will prevent accidental starting of the tool which could result in serious injury.

⚠ WARNING

Have you read "POWER TOOL SAFETY", "SPECIFIC SAFETY RULES", BATTERY & CHARGER SAFETY and "SYMBOLS" on pages 4, 5, 6, 7, 8 & 9 of this Manual? If not, please do so now before you operate this nailer/stapler. Your safety depends on it!

Every time you use the nailer/stapler you should verify the following:

1. **Safety glasses are being worn.**
2. **Proper nails or staples are installed in the tool.**
3. **Workpiece is properly secured.**
4. **There are no "live" wires in the area where nail or staples are being driven.**

Failure to adhere to these safety rules can greatly increase the chances of injury.

LOADING THE TOOL WITH STAPLES

1. Remove the battery pack from the tool.
2. Squeeze the cartridge latch (1) (see Fig. 3).
3. While squeezing the cartridge latch, slide the cartridge (2) outward.

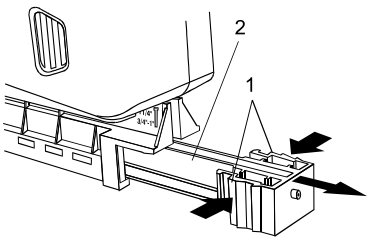


Fig. 3

4. Turn the nailer/stapler upside down.
5. Place a row of staples (3) in the magazine (4) with open end of staples facing upward (see Fig. 4).
   NOTE: Make sure staples are fully nested in the magazine.

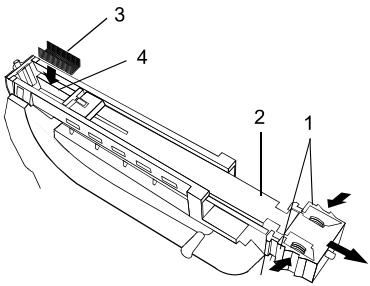


Fig. 4

6. Slide the cartridge back into position.
   NOTE: Make sure the cartridge latches are fully engaged to prevent the cartridge from coming loose during operation.
7. Reinstall battery pack into the tool.

ASSEMBLY & OPERATION

LOADING THE TOOL WITH NAILS

1. Remove the battery pack from the tool.

2. Squeeze the cartridge latch (1) (see Fig. 3 on previous page).

3. While squeezing the cartridge latch, slide the cartridge (2) outward until it is removed from the tool.

NOTE: There are two nail head slots for the nail strips (see Fig. 5 & 6). Use the upper slot for 1¼" nails. Use the lower slot for ¾ & 1"nails. Refer to the nail sizes stamped on the magazine.

FOR 1¼ " NAILS

4. Slide nail strip (3) into the center slot of the magazine channel (4) with the "T" heads (5) inserted in the **UPPER** nail head slot (6) (see Fig. 5).

5. Insert cartridge completely into the magazine.
   NOTE: Make sure the cartridge latches are fully engaged to prevent the cartridge from coming loose during use.

FOR ¾" & 1" NAILS

6. Slide nail strip (7) into the centre slot of the magazine channel (8) with the "T" heads (9) inserted in the **LOWER** nail head slot (10) (see Fig.6).

7. Insert cartridge completely into the magazine.
   NOTE: Make sure the cartridge latches are fully engaged to prevent the cartridge from coming loose during use.

8. Reinstall battery pack into the tool.

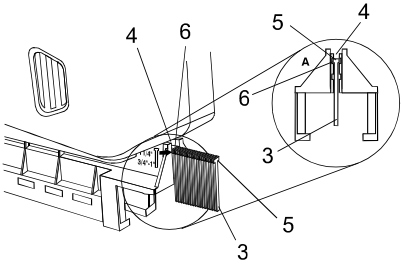


Fig. 5

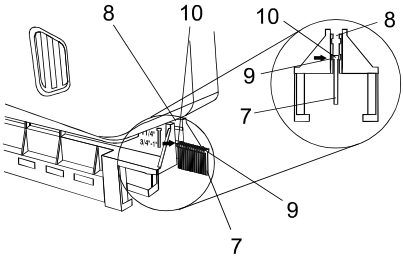


Fig. 6

SETTING NAIL OR STAPLE DEPTH

The nailing or stapling force will have to be adjusted depending upon the length of nail or staple and the hardness of the material. Greater force will be required for longer nails or staples and harder materials. Adjust the force as follows:

1. Rotate the depth adjustment knob (1) clockwise to increase the nailing or stapling force (see Fig. 7).

2. Rotate the depth adjustment knob counter clockwise to decrease the nailing or stapling force.

SETTING NAIL OR STAPLE DEPTH – cont'd

3. Test the force setting using a scrap piece of the same material to verify the force setting is correct.

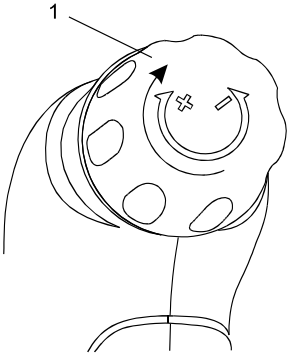


Fig. 7

NAILING OR STAPLING

1. Hold the handle firmly with the magazine flat against the workpiece (see Fig. 8).
   NOTE: It is very important that the magazine is firmly held at right angles (90°) against the workpiece before nailing or stapling.

2. When the magazine is held firmly against the workpiece, the safety lock (1) will disengage, enabling the nailer/stapler to activate.
   NOTE: The trigger switch will not activate the nailer/stapler if the safety lock is not disengaged.

3. Once the front of the nailer/stapler is in the desired position, squeeze the trigger switch (2) to drive the nail or staple.

4. Release both the trigger switch and safety lock before driving another nail or staple.
   NOTE: Both the trigger switch and safety lock must be released each time a nail or staple is driven before another nail or staple can be driven.

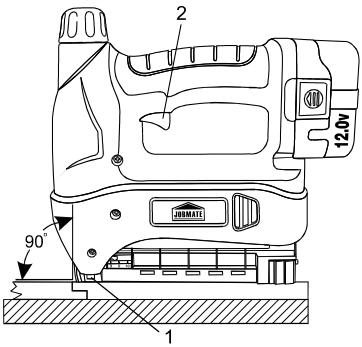


Fig. 8

MAGAZINE WINDOW

When using the tool, you can view the magazine window (1) in the front of the magagine to see if you are about to run out of nails or staples (see Fig. 9). When there are approximately 10 nails or staples remaining in the magazine, the end of the strip will be visible through the magazine window.

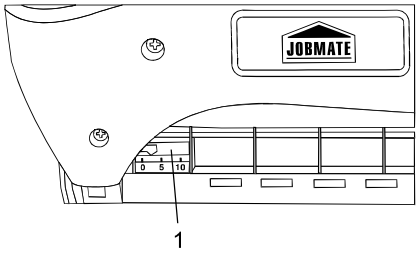


Fig. 9

OPERATION

REMOVING JAMMED NAIL OR STAPLE

⚠ WARNING: Always remove the battery pack from the tool before attempting to remove a jammed nail or staple. This will prevent accidental starting of the tool which could result in serious injury.

1. Remove battery pack from the tool.

2. Turn the tool upside down, squeeze the cartridge latch and slide the magazine outward.

3. Remove unused nails or staples from the magazine.

4. Remove jammed nail or staple from the mechanism with needle nose pliers.
   NOTE: Remove jammed nail or staple immediately. Never attempt to drive a second nail or staple once one has jammed. Such action may damage the mechanism.

MAINTENANCE

GENERAL

⚠ WARNING: When servicing, use only identical replacement parts. Use of any other part may create a hazard or cause product damage.

DO NOT use solvents when cleaning plastic parts. Plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use a clean cloth to remove dirt, dust, oil, grease etc.

⚠ WARNING: Do not at any time allow brake fluids, gasoline, petroleum-based products, penetrating oils, etc. to come into contact with plastic parts. They contain chemicals that can damage, weaken or destroy plastic.

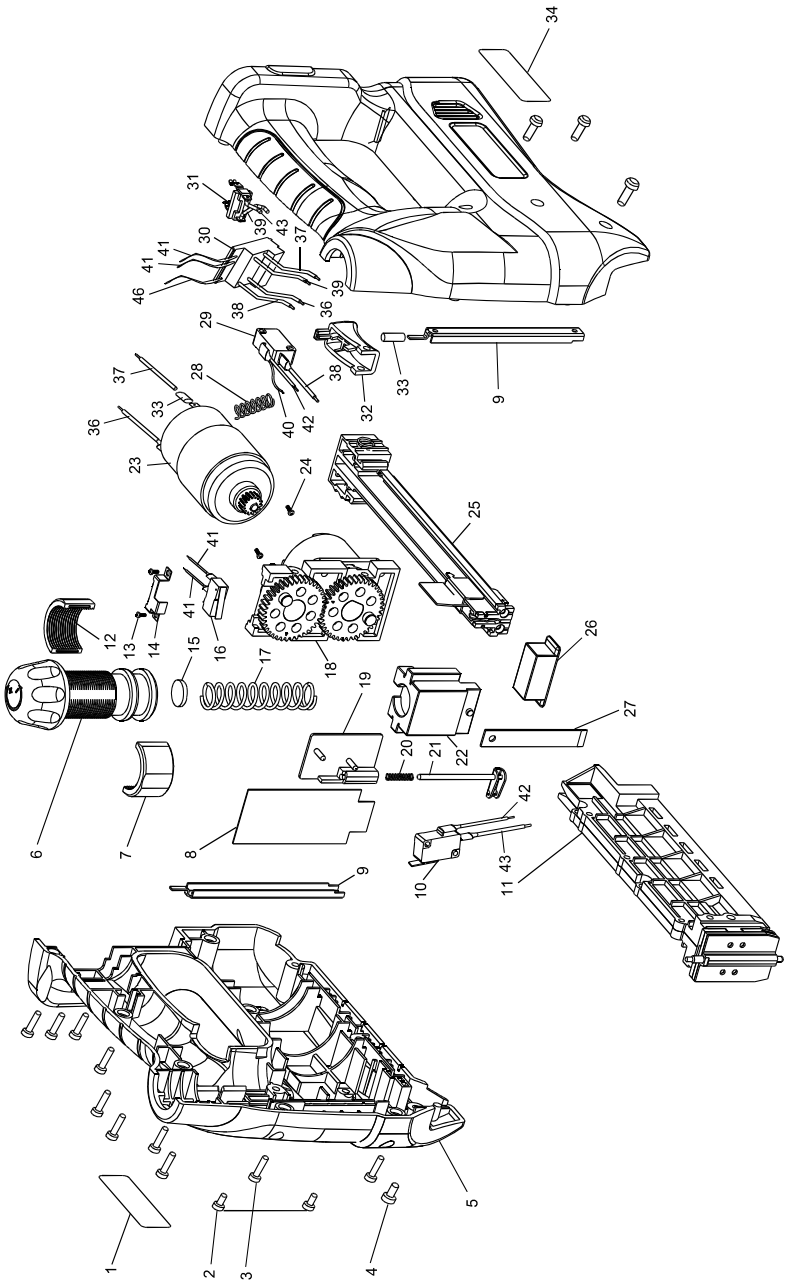
DO NOT abuse power tools. Abusive practices can damage the tool as well as the workpiece.

⚠ WARNING: DO NOT attempt to modify tools or create accessories. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury. It will also void the warranty.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high-grade lubricant for the life of the unit under normal conditions. Therefore, no further lubrication is required.

PARTS DIAGRAM – MODEL 54-2934-8



PARTS LIST – MODEL 54-2934-8

⚠ WARNING: When servicing, use only JobMate™ replacement parts. Use of any other parts may create a safety hazard or cause damage to the tool.

Any attempt to repair or replace electrical parts on this power tool may create a safety hazard unless repair is performed by a qualified technician.

Always order by PART NUMBER, not by key number.

Key #	Part #	Part Name	Quantity
1	355065	Rating Label	1
2	500810	Screw (M4x10mm)	4
3	500200	Screw (ST3.9x19)	10
4	500817	Screw (M5x12mm)	2
5	306061	Housing assembly	1
6	312887	Force adjustment knob	1
7	315856	Fixture (right)	1
8	224400	Metal plate	1
9	224405	Rail	2
10	163668	Safety switch assembly	1
11	146805	Magazine assembly	1
12	315868	Fixture (left)	1
13	500800	Screw (M3x6mm)	2
14	224406	Switch cover	1
15	221249	Spacer	1
16	163665	Gear sensing switch assembly	1
17	241551	Spring	1
18	142334	Gear box and output gear assembly	1
19	311617	Switch fixture	1
20	241550	Spring	1
21	216019	Safety rod linkage	1
22	203040	Hammer block	1
23	130024	Motor assembly with pinion	1
24	500802	Screw (M4x8mm)	2
25	146517	Cartridge assembly	1

PARTS LIST – MODEL 54-2934-8

Key #	Part #	Part Name	Quantity
26	321019	Damper	1
27	224399	Puncher	1
28	240816	Spring for switch trigger	1
29	163666	Trigger switch assembly	1
30	112834	PCB assembly	1
31	152000	Contact plate holder assembly	1
32	312888	Switch trigger	1
33	540001	Shrink tube	1
34	355064	Logo label	1
36	160856	Red lead	1
37	160857	Black lead	1
38	160866	Red lead	1
39	160865	Black lead	1
40	160864	Red lead	1
41	160862	Blue label	2
42	160867	Red lead	1
43	160868	Red lead	1