

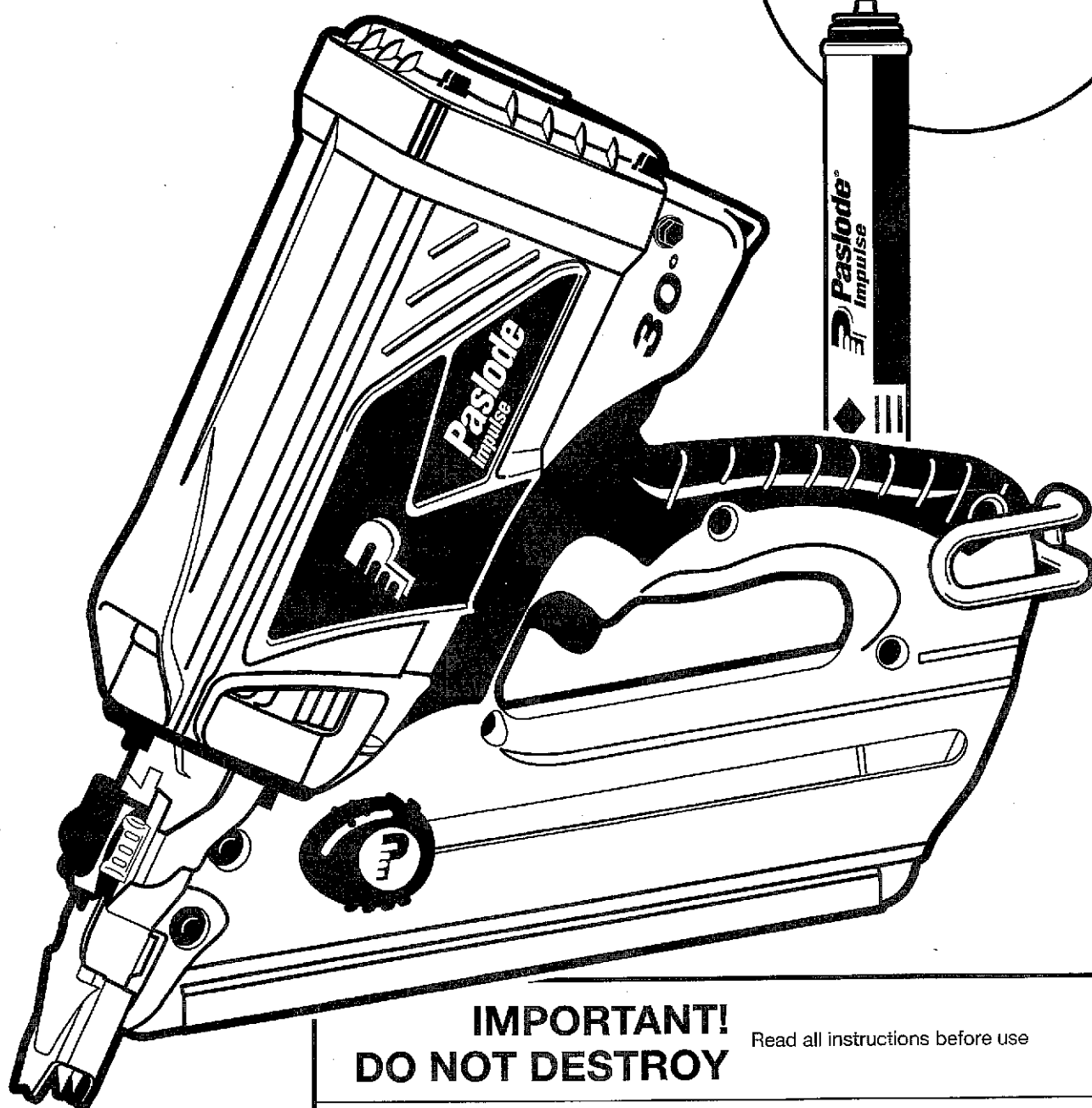
OPERATING MANUAL— *Impulse Framing Nailer*

Paslode®
Impulse

FrameMaster-Li™

Product Code B20543

**For use
with Paslode®
fuel cell with
internal metering
valve only**



IMPORTANT!
DO NOT DESTROY

Read all instructions before use

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The Paslode battery charger meets all safety requirements for power tools. Failure to use genuine Paslode battery charger may result in fire or exploding hazard.



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Vernon Hills, Illinois 60061
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Paslode Power Nailers are made in the U.S.A.

Paslode is a member of:



Introduction

Paslode® Impulse® FrameMaster-Li™ Operating Manual

Congratulations and thank you for choosing this Paslode Impulse FrameMaster-Li Framing Nailer.

This manual is designed to help you get the maximum performance from your new Impulse Framing Nailer. Before operating your FrameMaster-Li tool:

- 1. PLEASE READ THE MANUAL FROM COVER TO COVER BEFORE USING THE TOOL.**
- 2. PLEASE FOLLOW ALL INSTRUCTIONS IN THE MANUAL.**

Your Impulse Framing Nailer is completely self-contained. When made ready for use it carries its own fuel supply, battery and fasteners.

Unlike other fastening tools, the Impulse FrameMaster-Li is powered by an internal combustion linear motor, similar to that of an automobile. When triggered, the FrameMaster-Li ignites a fuel and air mixture to produce energy that drives a piston, which in turn drives the fastener.

Always use safe work practices when using your FrameMaster-Li. Misuse could result in tool damage or personal injury. If you allow others to use your Impulse Framing Nailer, please ensure that they also read and comply with the instructions in this manual before operating the tool.

Please contact your local Paslode representative if you have any questions about your Paslode Impulse Framing Nailer or wish to obtain additional copies of this manual. The space below is provided to record your representative's details.

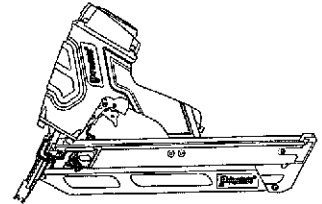
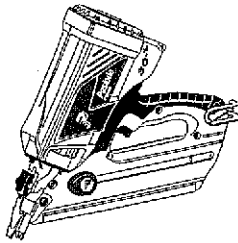
My Paslode representative is:

Name _____

Address _____

City _____ State _____ Postcode _____

Telephone Number _____



Warranty

For Paslode, Duo-Fast, Maestri, STOCK-ade Tools and Equipment

Please register your new Paslode, Duo-Fast or Maestri, STOCK-ade tool within 14 days of purchase at either

Australia - www.paslode.com.au

OR

New Zealand - www.paslode.co.nz

Warranty and Limitations

Paslode warrants that this product will be free from defects in workmanship and materials for a period of **12 months** from the date of acquisition by the original consumer. If a defect in material or workmanship becomes evident during that period **Paslode** will, at its option, either repair replace or refund the product. In the event of such a defect, the product should be returned to us (with proof of purchase and the original packaging) at the address below together with written details of the defect or returned directly to an authorised **Paslode** warranty service provider. Any handling or transportation expenses (and other expenses incurred in claiming under this warranty) are not covered by this warranty and will not be borne by **Paslode**.

In addition, a five-year manufacturer's warranty will apply to all moulded nylon components on Impulse tools only:

- Motor Housing, Cap and Grille
- Handle Halves and Actuator
- Trigger
- Magazine Parts

This warranty does not apply to part(s) replacement required as a result of normal wear. This warranty will be void as to any tool and/or equipment which has been subjected to misuse, abuse, accidental or intentional damage. The warranty may also be void if tools are used with fasteners, fuel, batteries or battery charges not meeting Paslode Australia's or Paslode New Zealand's specifications, size or quality, or if any product is improperly maintained, is repaired with other than genuine replacement parts, is damaged in transit or handling or in Paslode's opinion, has been altered or repaired in a way that affects or detracts from the performance and safety of the tool and/or equipment. This warranty only applies to Paslode products that are supplied by Paslode Australia or Paslode New Zealand.

In addition to other rights and remedies that may be available under law, our goods come with guarantees that cannot be excluded under Australian Consumer Law (for consumers in Australia) and the Consumer Guarantees Act (for consumers in NZ). If you are a consumer in Australia, you are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. If you are a consumer in New Zealand, we will comply with our obligations to you under the Consumer Guarantees Act.

For locations and contact information of authorised Paslode warranty service providers, visit our website www.paslode.com.au or www.paslode.co.nz

Subject to any mandatory terms:

(a) Paslode makes no warranty, express or implied, relating to merchantability, fitness or otherwise, except as stated above; (b) Paslode's liability as stated above is in lieu of all other warranties arising out of, or in connection with, the use and performance of the tool and/or equipment; (c) Paslode shall in no event be liable for any direct, indirect, or consequential damages, including, but, not limited to, damages which may arise from loss of anticipated profits or production, spoilage of materials, increased cost of operation or otherwise; (d) Paslode is not liable for personal injury whether direct or indirect howsoever suffered arising from or in connection with any misuse of the product; and (e) Paslode is not liable for any negligence in the manufacture, supply or any instructions related to the tool and/or equipment.

Paslode reserves the right to change specifications, equipment or designs at any time without notice and without incurring obligation.

If you do not have internet access to register your tool and/or equipment, please contact either Paslode Australia or Paslode New Zealand at the following address.

Paslode Australia
PO Box 914
Ingleburn, 1890

Paslode New Zealand
PO Box 100 303 NSMC
Auckland, New Zealand

01/13

The Paslode Impulse FrameMaster-Li

Description

Your new Paslode Impulse FrameMaster-Li Framing Nailer offers the latest in cordless power nailing technology and is the result of more than 75 years of experience in developing power nailing systems. Engineered with the demands of the trade professional in mind, the Paslode FrameMaster-Li is designed to provide years of reliable service. To help you get the most from your new FrameMaster-Li this operation guide provides important information on safety and tool operation as well as service and troubleshooting tips.

The Paslode Impulse FrameMaster-Li is an internal combustion design. To keep your FrameMaster-Li operating at its best you will need to ensure regular maintenance and cleaning. To help with this, your FrameMaster-Li comes with a separate cleaning and maintenance booklet which provides instruction of the procedures to properly clean and maintain your FrameMaster-Li nailer. For more information please contact your local Paslode accredited service agent or a Paslode sales representative at www.paslode.com.au | www.paslode.co.nz

NOTE: Altitude Restriction

Paslode Impulse tools are powered by an internal combustion engine and are effected by altitude. The tool may lose power or not cycle consistently at elevations of 2,400 metres or greater.

Specifications

Dimensions: Weight (with battery) 3.3 kg
Height 386 mm
Length 310 mm

Cycle Rate: Intermittent Operation – 2 to 3 nails per second

NOTE: Exceeding the recommended cycle rates may cause the tool to overheat, reduce performance or damage the tool.

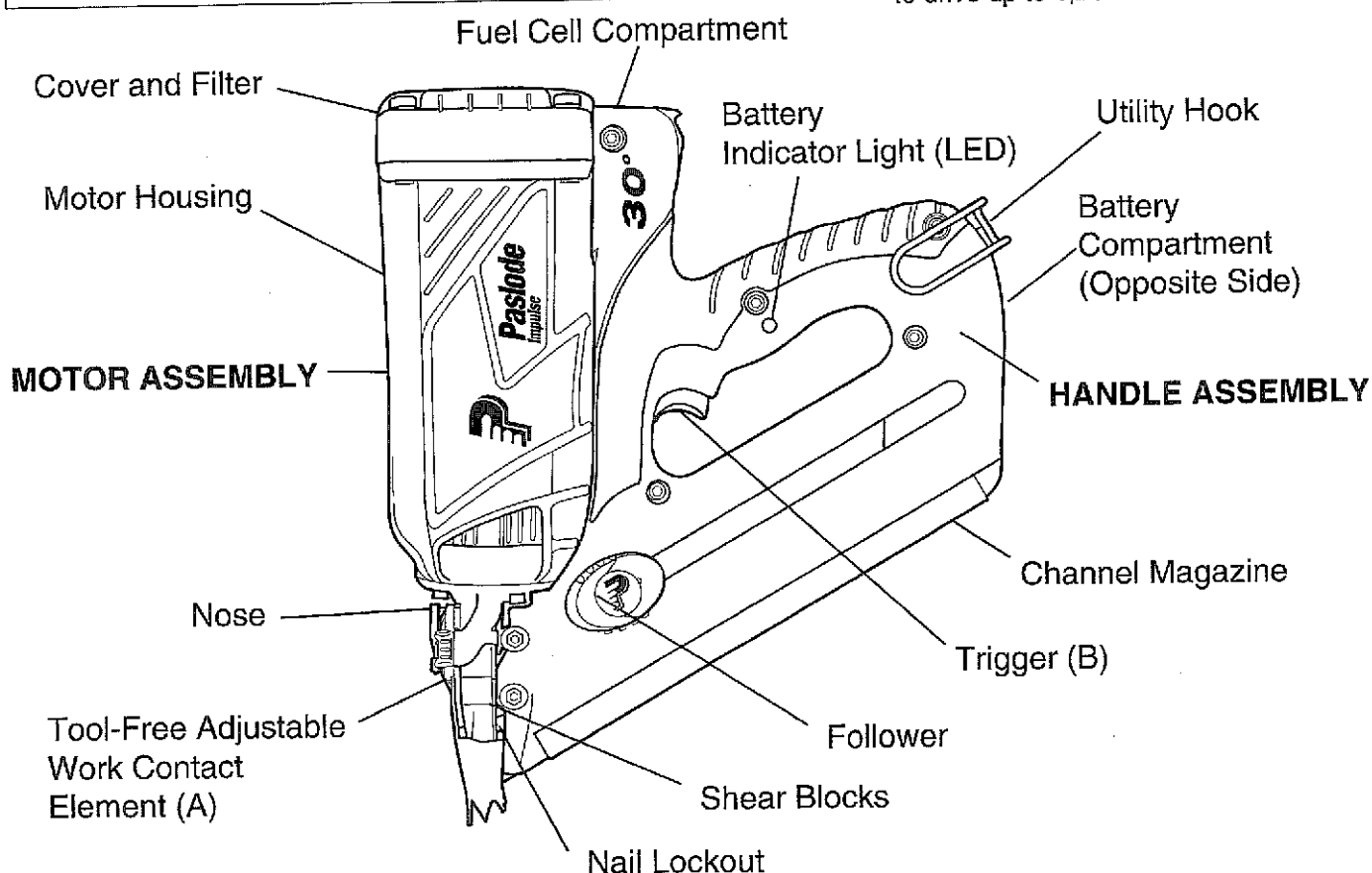
The Paslode Impulse Framing Nailer is designed to drive several thousand nails in a typical work day.

Fasteners: 30° paper tape collation
Minimum 50 mm x 2.87 mm diameter shank
Maximum 90 mm x 3.3 mm diameter shank

Magazine Capacity: 1 nail strip + 5 fasteners.

Battery : 7.4 volts DC - Provides enough energy to drive up to 6,000 fasteners on a full charge (approximately).

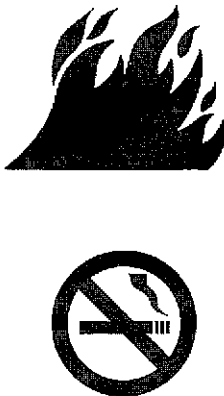
Fuel Cell: Paslode **TWIST & LOCK** fuel cell
Liquid hydrocarbon - Provides enough fuel to drive up to 1,200 fasteners.

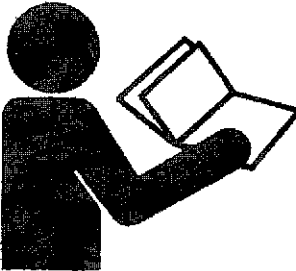


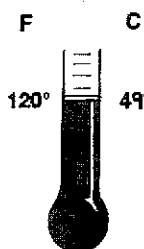
Safety Instructions

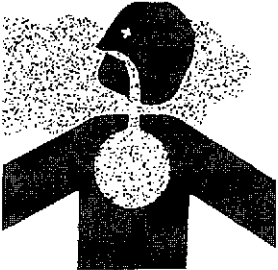
The following safety instructions provide the information necessary for the safe operation of the Paslode Impulse Framing Nailer. **DO NOT ATTEMPT TO OPERATE THIS TOOL UNTIL YOU HAVE READ AND UNDERSTAND ALL SAFETY INSTRUCTIONS.**

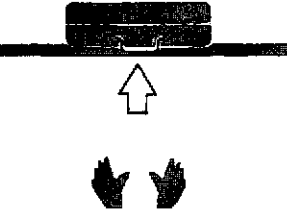
In addition to these instructions, tool operation training may be provided. Contact your local Paslode representative for more information.

	<p>! WARNING</p> <p>The Paslode Impulse Framing Nailer is an internal combustion device. It produces hot exhaust gases that may ignite flammable materials. Never use the tool in a combustible environment or in the presence of combustible materials, such as flammable chemicals, adhesives, gasoline, or solvents.</p>
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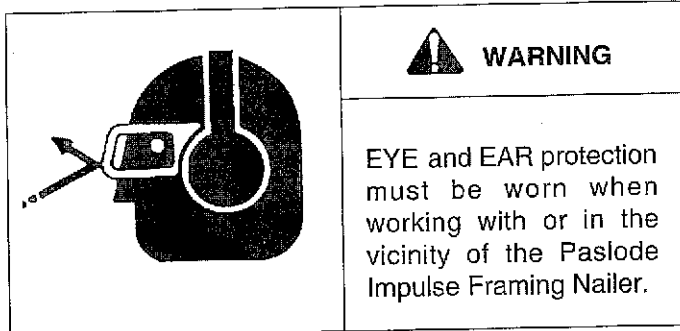
	<p>! WARNING</p> <p>Never attempt to operate this tool until you have read and understood all safety precautions and manual instructions.</p> <p>Failure to follow all safety precautions and instructions may result in a permanent loss of vision, serious personal or even fatal injury, property damage and/or tool damage.</p>
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	<p>! WARNING</p> <p>Never expose or store the tool, fuel or battery at temperatures in excess of 49°C (120° F). Fuel and/or the battery may burst, releasing flammable gas.</p>
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	<p>! WARNING</p> <p>This tool must be operated only in a well-ventilated environment, because the tool exhausts carbonmonoxide similar to a Petrol chainsaw or lawnmower. Exposure to carbon monoxide from use in enclosed areas, may cause dizziness, nausea, unconsciousness, or death.</p>
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	<p>! WARNING</p> <p>ALWAYS keep the Impulse Framing Nailer, fuel cartridge, battery cell and battery charger out of the reach of children.</p>
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Safety Instructions



WARNING

EYE and EAR protection must be worn when working with or in the vicinity of the Paslode Impulse Framing Nailer.

1. Eye protection must meet the requirements of AS/NZS 1337:1992 and should have side shields for increased protection. The tool user is responsible for enforcing the use of eye protection equipment by the tool operator and all personnel in the work area.

2. NEVER ASSUME THE TOOL IS EMPTY.

Never point the tool at yourself or anyone else.

3. NEVER ENGAGE IN "HORSEPLAY" WITH THE TOOL.

Careless and improper use may result in a serious accident.

4. NEVER CARRY THE TOOL WITH YOUR FINGER ON, OR SQUEEZING, THE TRIGGER.

This practice may result in the accidental discharge of a fastener.

5. NEVER OPERATE A MALFUNCTIONING TOOL.

Refer to pages 14 – 17 of this manual to correct the problem. If the problem cannot be corrected, stop using the tool and contact Paslode.

6. DO NOT LOAD FASTENERS WITH THE TRIGGER AND/OR WORK CONTACT ELEMENT DEPRESSED. A fastener may be accidentally discharged.

7. NEVER OPERATE THE TOOL WITH THE WORK CONTACT ELEMENT REMOVED OR DISABLED.

This device reduces the possibility of accidental fastener discharge.

NEVER operate the tool if the Work Contact Element is not working properly.

8. ALWAYS POINT THE TOOL AWAY FROM YOURSELF AND OTHERS WHEN CLEARING JAMS OR REMOVING FASTENER. ALWAYS REMOVE THE FUEL CARTRIDGE AND BATTERY BEFORE CHECKING THE TOOL.

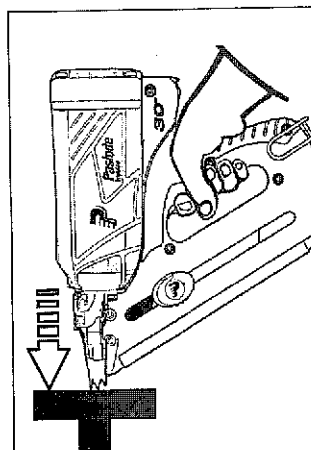
Pull the follower slightly back and push the release lever. Tip the tool nose up slightly and fasteners should slide out of the rear of the magazine. If fasteners are jammed, refer to the appropriate servicing section of this manual.

9. DO NOT OPERATE THE IMPULSE FRAMING NAILER IF PARTS ARE LOOSE, DAMAGED OR MISSING.

10. TAKE CARE NOT TO DRIVE FASTENERS INTO KNOTS OR ON TOP OF OTHER FASTENERS.

A fastener may ricochet and cause serious injury.

11. OPERATE THE TOOL ONLY ON THE WORKPIECE.



WARNING



The Impulse Framing Nailer must be operated only when it is in contact with the work surface. When fastening thin materials such as plywood, be sure to position the tool so that the fastener is driven into the underlying piece.

12. NEVER DRIVE FASTENERS INTO AREAS WITH CONCEALED HAZARDS.

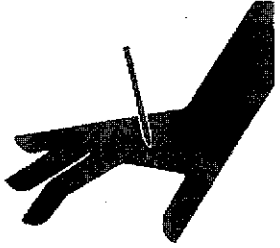

Always check the area behind the work surface for electrical wiring, gas pipes, water pipes, sewer drains or other potential hazards.

Safety Instructions

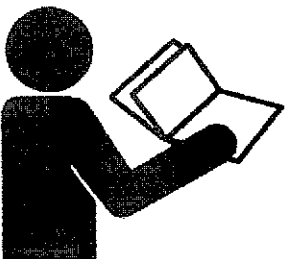

13. ALWAYS MAINTAIN SECURE AND UNOBSTRUCTED FOOTING WHEN ON LADDERS, PLATFORMS OR OTHER HIGH LOCATIONS.

	<p> WARNING</p> <p>Never over-reach, since tool recoil may cause a loss of balance. Always be aware of edges and drop-offs when nailing on rooftops and other high locations. Keep them in full view.</p>
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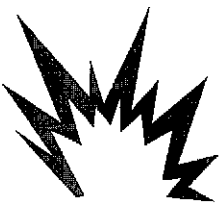

18. KEEP YOUR HANDS CLEAR OF THE WORK AREA SURFACE.

	<p> WARNING</p> <p>A fastener may exit at an angle unexpectedly and cause injury.</p>
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14. ALLOW ONLY QUALIFIED PERSONNEL TO OPERATE THE IMPULSE FRAMING NAILER.

	<p> WARNING</p> <p>Only persons who have read and fully understand all tool operation, safety and maintenance instructions should be allowed to operate the tool.</p>
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15. PROPERLY STORE FUEL CELL.

	<p> WARNING</p> <p>Always store tool, fuel cartridge and battery where they will not be exposed to an open flame, sparks or temperatures above 49°C (120°F).</p>
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16. ALWAYS STORE THE TOOL WITH THE FUEL CARTRIDGE AND BATTERY REMOVED.

Store the fuel cartridge in the case with the Impulse Framing Nailer.

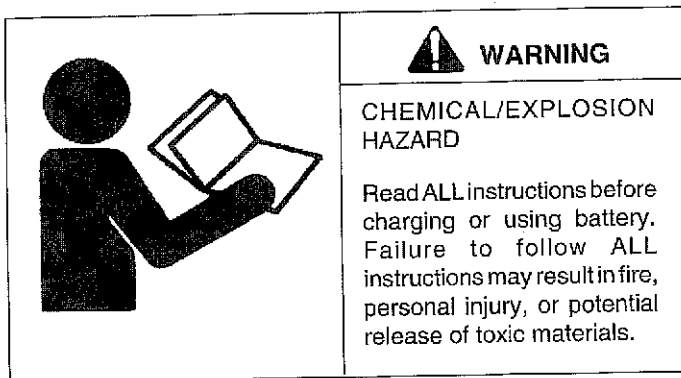
17. KEEP THE TOOL CLEAN AND WELL MAINTAINED.

A clean tool is less likely to jam or malfunction.

Battery And Charging System

Important Charging Notes:

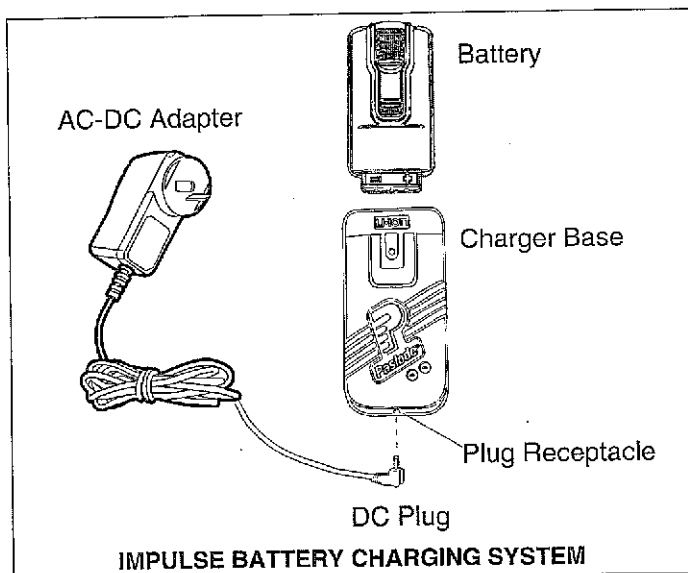
The Paslode Impulse framing nailer includes two rechargeable Lithium Ion (Li-ion) batteries with a unique charging system. The charging system is **exclusive to Paslode Li-ion batteries**. The first step in preparing a new tool for operation is to fully charge the battery. **New batteries are shipped partially discharged and must be charged prior to use.** Batteries will take 5 minutes to 1 hour to recharge (time will be dependant on the amount of battery discharge).



Battery disposal:

The Paslode batteries contain lithium and should be recycled or disposed of responsibly.

Contact your local recycling centre for information on where to correctly dispose of Li-ion batteries.



TECHNICAL DATA

Impulse Battery

7.4 VDC, 1250mAh, Lithium-ion

Impulse Charger Base 12VDC

Impulse Adapter (AC-DC) Input
Australia/New Zealand 240V, 50HZ

Output
12VDC, 1.8A

Charging Instructions:

1. Remove the wall transformer from the tool case and plug into a 240V AC outlet. Set the charger base on a stable surface and insert the wall transformer unit's plug into the plug receptacle on the base of the charger (see diagram). A green light indicates power is on and charging system is ready.
2. Remove the battery from tool or case and insert terminals down into charger. The red light will come on indicating that the battery is charging, the green light will go out.

NOTE

If battery is completely discharged the red light and the green light may flash back and forth for up to 20 minutes. This safety feature slowly recharges the battery until it is ready to accept the full charging current. If the red and green lights continue to flash after 20 minutes, the battery may be damaged.

3. After charging, the red light will go out and the green light will come on, indicating that the battery is fully charged. The charger will keep the battery at full charge until it is removed.
4. Unplug the wall transformer unit from the charger and remove the wall transformer unit from the 240V AC outlet.

Charging Times:

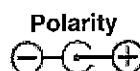
First charge (new battery)	1 hour
Discharged Battery	5 minutes to 1 hour

Do Not:

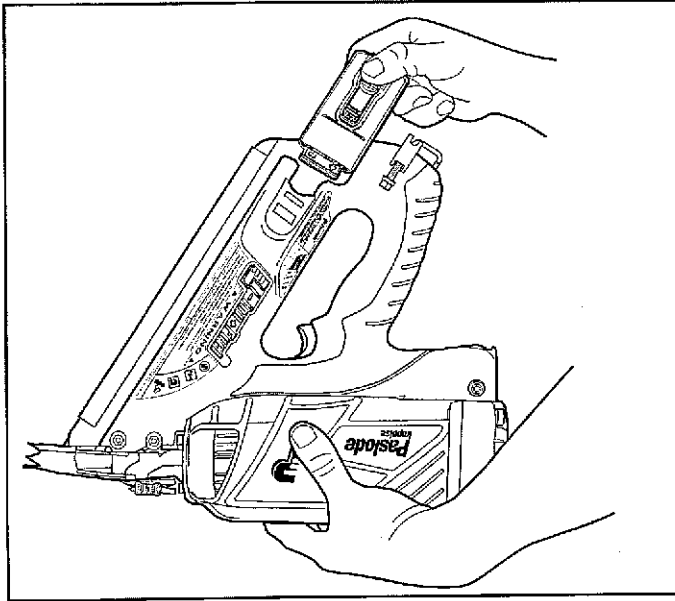
1. Charge battery outdoors or in temperatures below 5°C (40°F).
2. Allow metal objects to come into contact with battery terminals.
3. Puncture or attempt to open battery case or cells.
4. Store battery where it will be subjected to temperatures above 49°C (120°F).
5. Incinerate battery.
6. Use a defective battery charger, one that overheats and/or smokes when plugged in.
7. Immerse the battery in water.

Charging System Accessories:

Battery Charger Kit - Part No. B20543B
Wall Mount Transformer - Part No. B20543C
Battery Charger Base - Part No. 902661
Automotive Adapter - Part No. B20543E



Battery and Charging System



Inserting Battery

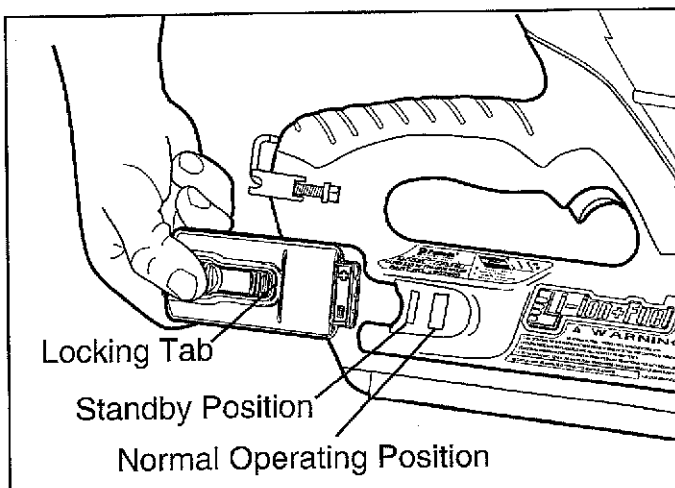
1. Load the battery, contacts first, into the Impulse Framing Nailer.
2. Push battery fully forward into its locked position. You may need to depress the lock tab.
3. To remove battery, push down on locking tab and slide battery out.

NOTE: If battery is left inserted in the tool in the 'ON' position for an extended period, the battery will discharge completely and will require recharging. Complete discharge may lead to battery damage.

Battery Standby

The battery can be placed in the standby position if the tool is not going to be used for a period of time.

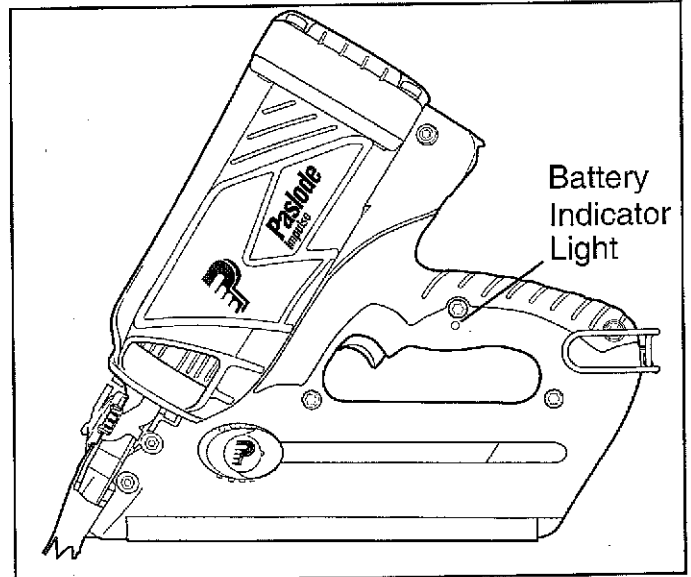
Place the battery into the standby ('OFF') position by pushing down on the locking tab and sliding the battery back, until the locking tab clicks into the standby position.



Battery Indicator Light

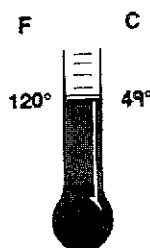
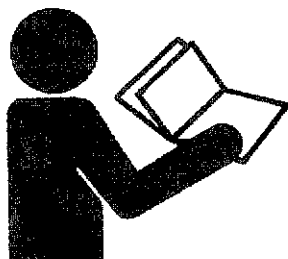
The illustration below indicates the position of the battery indicator light on the tool handle.

When a fully-charged battery is inserted into the tool, the indicator light will blink green. If the light blinks red, continue to recharge the battery.



TWIST LOCK™ Fuel Cartridge

Fuel Cartridge



WARNING

EXPLOSION/FIRE HAZARD

Read ALL safety instructions before using or handling the fuel cell. Failure to follow ALL instructions may result in explosion or fire.

Keep the fuel cartridge away from heat, sparks and open flame. Do not smoke when handling or operating tool or fuel cartridge.

Exposure to temperatures above 49°C (120°F) may cause the fuel cartridge to burst, releasing flammable gas.



WARNING

Sunlight can raise the inside temperature of an unventilated motor vehicle or storage container to above 60°C (140°F).

Never puncture or attempt to open the fuel; it is nonrefillable.

Never incinerate, reclaim or recycle the fuel.

Never smoke while installing or operating the fuel cartridge or tool.

Never inhale the spray.

Keep out of the reach of children.

Store fuel cartridges in well-ventilated areas only.

Liquid gas is stored under pressure. Over time the liquid propellant may diminish, reducing pressure. Check the 'Best Use Before' date on the base of the fuel cartridge to ensure that it has not expired.

Avoid exposing the empty or expired fuel cartridge to extreme temperatures. The propellant gas will expand and may cause the container to burst, releasing flammable gases.

The fuel contains specific additives to protect the inner workings of the framing nailer. **It is not necessary to oil the tool during normal operation.** When cleaning the tool, use only Paslode Impulse tool oil. Using oils not formulated for the Paslode Impulse Tool may cause loss of power and may damage the internal parts of the tool's motor.



CAUTION

1. Do not attempt to remove or reuse the fuel cartridge cap.
2. Do not attempt to install the fuel cartridge cap on other fuel cells. This may result in damage to the tool and personal injury.

NOTE

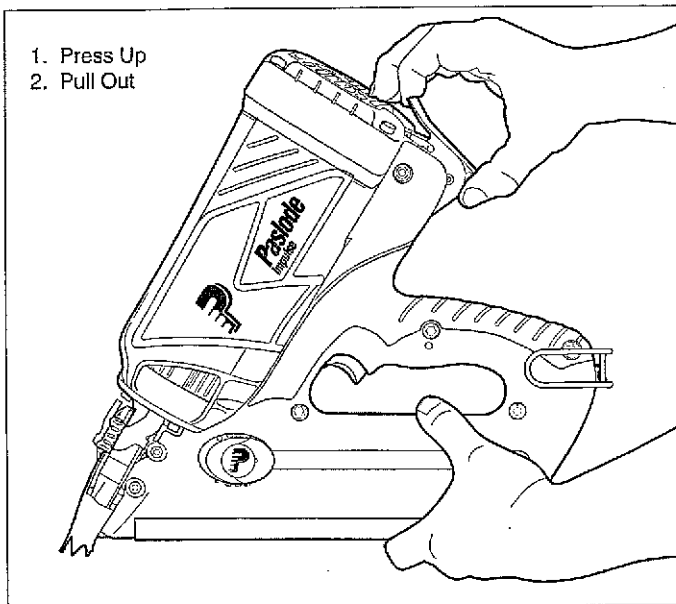
1. Never attempt to refill the fuel cartridge! Replace with fresh fuel cartridge. Dispose of used cartridge responsibly.
2. When replacing fuel cartridge also clean or replace air filter for optimum tool operation.

NOTE: Altitude Restriction

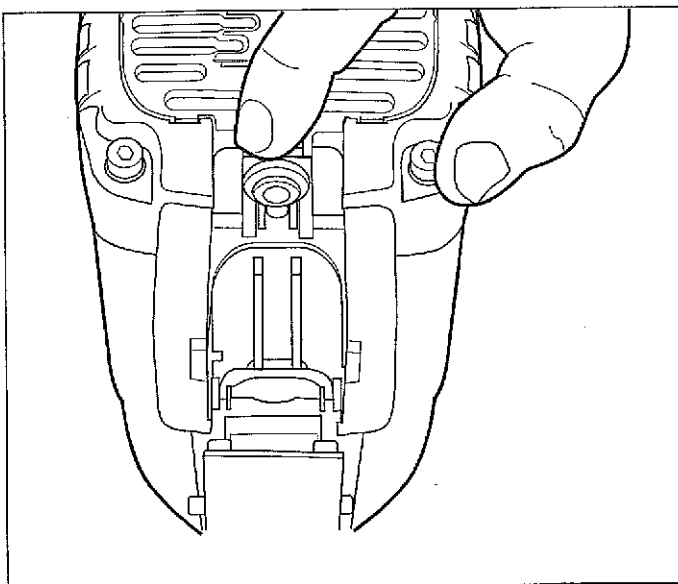
Paslode Impulse tools are powered by an internal combustion engine and are effected by altitude. The tool may lose power or not cycle consistently at elevations of 2,400 metres (6,000 feet) or greater.

Inserting Fuel Cartridge

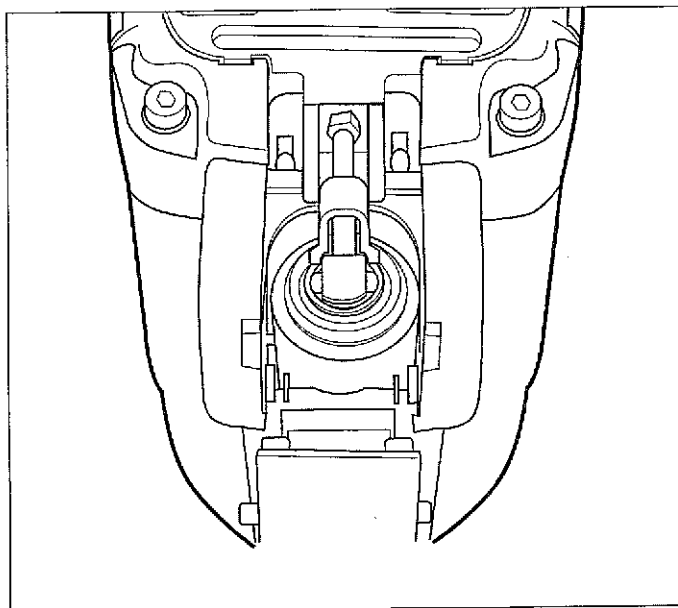
A. Press up at the bottom of the actuator cover and pivot outward to open. The cover will swing out of the way.



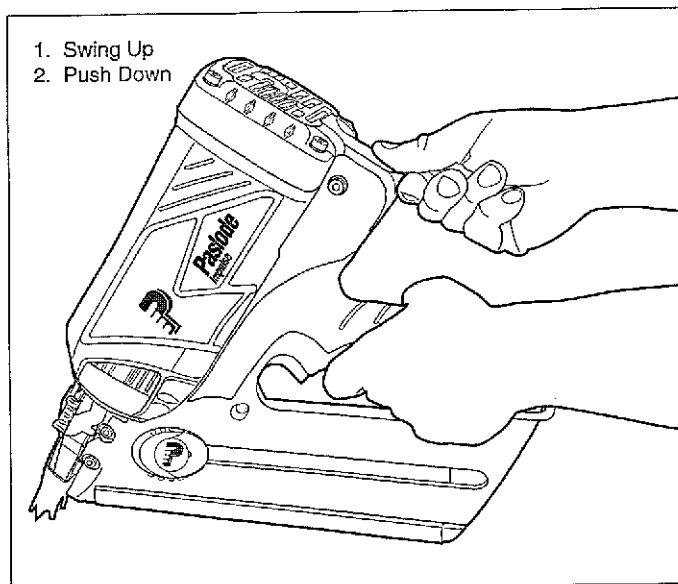
B. Lift the fuel cartridge adaptor and insert the fuel cartridge into the tool.



C. Release the adaptor so it is centered on the fuel cartridge.



D. Close the actuator cover to complete the loading of fuel in the Impulse Framing Nailer. Do this by swinging it up and over the fuel cartridge, and pushing down until the actuator cover snaps into position.



Preparing the Impulse FrameMaster-Li for Use

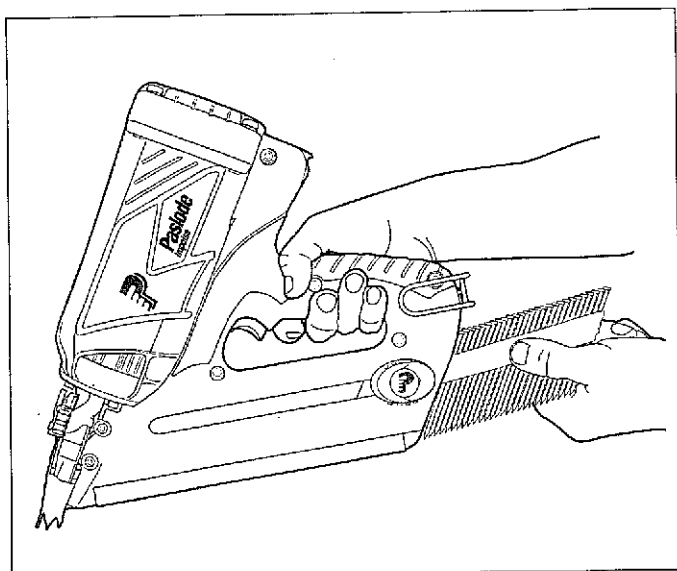
Fasteners

The Paslode Impulse Framing Nailer drives Paslode nails as supplied in Value Packs and Handy Packs, which have been collated into strips. The use of nails that do not meet Paslode standards could cause tool damage and void your warranty.

Loading Fasteners

STEP 1: To load, pull the follower handle back to the rear lock position until the locking mechanism clicks.

STEP 2: Insert a strip of nails and release follower by pushing on button. Try to control the follower's velocity to prolong tool condition.



There is a reload indicator on follower and tool. A full strip can be loaded in this area as shown above.

Lockout Feature

The purpose of this feature is to prevent blank cycling. This can waste fuel and damage tool components. Five (5) nails will be left in the magazine when the follower reaches the lockout area. The indicator arrow shows that you can reload. It does not indicate that the Impulse Framing Nailer is empty. The Impulse Framing Nailer will not operate until more than six (6) nails are inserted into the magazine.

Paslode Impulse Framing Nailer and Outdoor Weather

Use the Impulse Framing Nailer outdoors, in clear weather, when the nailer, fuel cartridge, and battery are between -7°C (20°F) and 49°C (120°F).

HOT WEATHER OPERATION

The Impulse Framing Nailer requires cooling to operate optimally. The fan should provide the necessary air flow to permit continuous operation. Whenever the Impulse Framing Nailer is idle for extended periods, keep the fuel and tool out of direct sunlight and in surroundings where temperatures will not exceed 49°C (120°F). After extended periods of continuous use, it may be necessary to cool the motor by setting tool aside until the tool operates normally. An over heated tool may not drive nails completely or may operate erratically.

COLD WEATHER OPERATION

Fuel combustion can be adversely affected at extreme low temperatures. Ensure that the tool battery and fuel cartridge are above the minimum operating temperature of -7°C (20°F) before use.



CAUTION

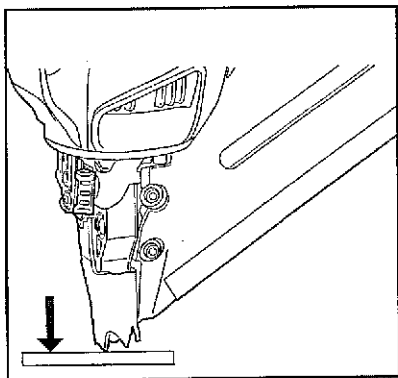
Never warm tool components using direct exposure to flame.



CAUTION

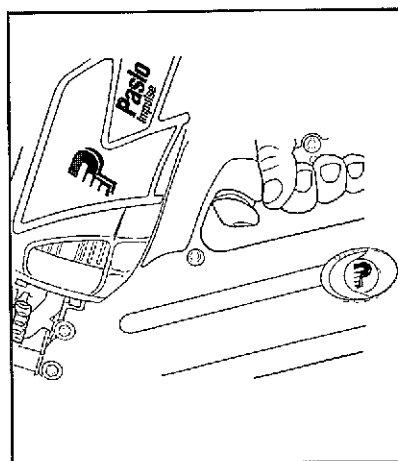
The Impulse Framing Nailer should not be used in the rain or where excessive moisture is present. The use of the Paslode Impulse Technology under these conditions may result in damage to tool components and cause tool to malfunction.

Impulse FrameMaster-Li Operation



PRESS WORK CONTACT ELEMENT AGAINST THE WORK SURFACE

Fan motor starts, fuel is injected into combustion chamber and mixed with air by the fan.



SQUEEZE TRIGGER

Spark plug sparks and fuel/air mixture ignites. Combustion powers piston assembly driving fastener.

LIFT TOOL - RELEASE TRIGGER

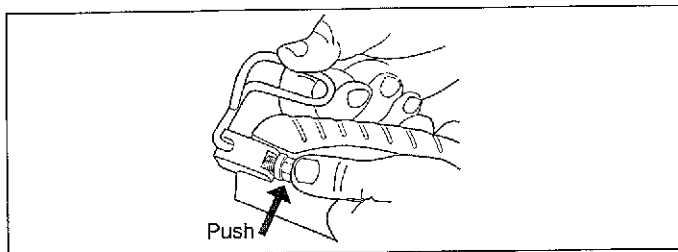
Combustion chamber opens. Fan exhausts hot gases and cools internal components.

Note: The fan will run for approximately 10 seconds after the last nail is driven



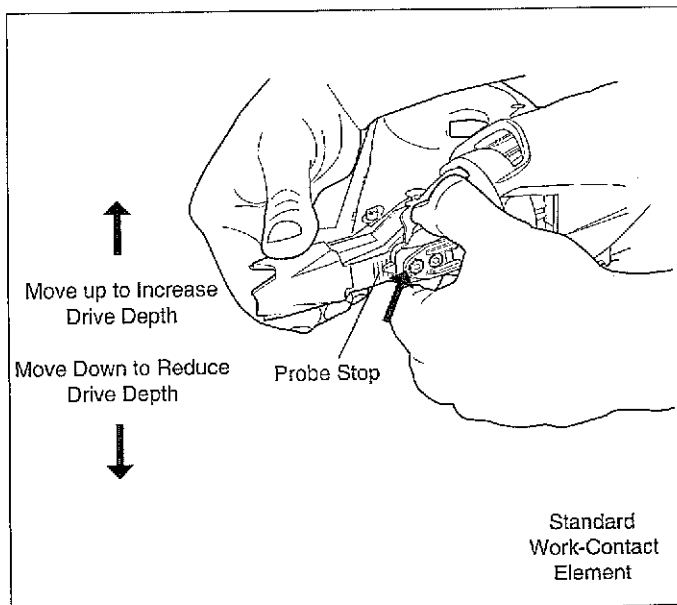
CAUTION

The work contact element and nose may become hot after prolonged or rapid use. In this instance, take care when adjusting the work contact element and avoid touching with bare hands.



Adjustable Utility Hook

The adjustable utility hook can be used as a belt or rafter hook. To adjust the utility hook, push the black button in the direction of the arrow and rotate it to the desired position.



Depth of Drive Adjustment

Caution: Remove the battery before adjusting the depth of drive.

The depth of drive adjustment is made by adjusting the work contact element. Squeezing the probe stop release buttons toward each other will allow the work contacting element to be moved up or down.

If the tool is over-driving (the nail head is driven below the surface of the wood), the work contact element should be moved down slightly. If the nails stand up (the head is not flush with the work surface), the work contact element should be moved up slightly. The indicator marks are set at 2.5 mm (1/10") increments with a total range of 12.7 mm (1/2").

Adjust the work contact element to get the nail head depth to meet job requirements.

No-Mar Work Contact Element

For applications where the work surface must be mark free (such as cladding and timber decking) order the No-Mar Work Contact Element, Part No. B20544G.



CAUTION

Never attempt to operate the Impulse Framing Nailer unless both adjustment screws are installed. Intentional removal of an adjustment screw could result in improper tool operation, loss of nail control and injury to tool user or bystanders.

Servicing

Restrict Field Service to the Following

1. CHECKING THE ENERGY LEVEL OF THE BATTERY
2. RECHARGING THE BATTERY
3. CHECKING THE FUEL CARTRIDGE
4. REPLACING THE FUEL CARTRIDGE
5. CLEANING THE AIR FILTER
6. CLEARING A JAM

Attempts to go beyond these procedures could result in personal injury or damage to the Impulse Framing Nailer and will void tool warranty.

When carrying out servicing procedures please follow the instructions provided in this manual. Any servicing or repair work that is not explained in this manual should be performed by a fully trained technician.



CAUTION

Never attempt any maintenance of the Paslode Impulse Framing Nailer without first removing the fuel cartridge and battery. Maintenance should be started only after the tool is rendered **completely** inoperative.

Battery Check

Periodically check the battery indicator light in the handle of the Impulse Framing Nailer. When encountering a problem always ensure the battery is fully charged.

When the work contact element is pressed on the work piece, the fan motor will turn on and blinking green light will turn solid green. If the light blinks red or glows red, recharge battery.

Fuel Cartridge Check

If the nailer's fan operates and the light is green but the tool will not cycle consistently or at all, check the fuel cartridge. First remove the fuel cartridge from the tool and check the "Best Use Before" date stamped on the bottom of the cartridge. If it is beyond this date, the fuel cartridge may not consistently dispense the proper amount of fuel – even if the cartridge has never been used. To test if the cartridge still dispenses fuel:



CAUTION

Wear safety glasses when performing this test. Never perform this test near an open flame or sparks, while smoking, or where the fuel may get into your eyes.

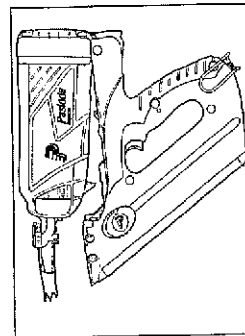
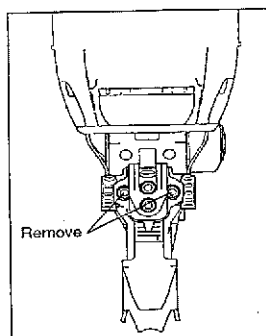
1. Hold the cartridge in the upright position with the flat bottom toward the ground – this orientation is important for a proper test.
2. Gently push the tip of the cartridge cap against a solid object five times.
3. A small amount of fuel should be released all five times.
4. If fuel is not released every time it indicates the cartridge is empty or expired and must be replaced.

Expired cartridges may dispense fuel when upside down or sideways but will not work more than a couple of times in the upright position because of the reduced internal pressure (see page 10 for more information).

Clearing a Jam

An occasional problem you may encounter is a jammed fastener. To clear a jammed fastener:

1. Remove the fuel cartridge and battery.
2. Lock follower back in magazine and remove fasteners.
3. Loosen the (2) magazine mounting screws with the 5/32 allen key.
4. Pull handle/magazine away from the nose of the tool and clear jam.
5. Realign handle/magazine to nose, and tighten mounting screws.
6. Reload fasteners and release follower.





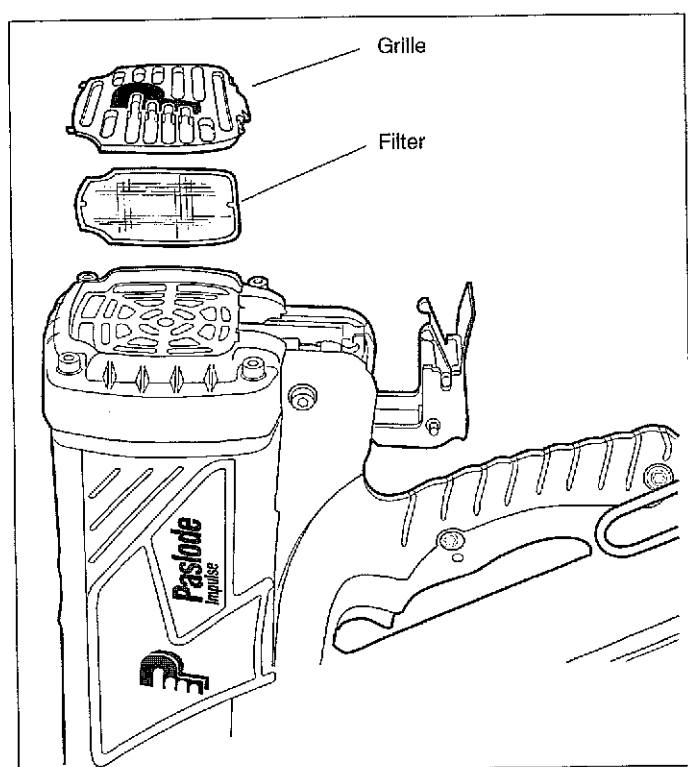
WARNING

Make certain magazine mounting screws are tight and magazine is tight to nose. Attempting to fire tool with a loose magazine will result in loss of nail control, tool damage or personal injury.

Air Filter

Open the grille by pressing slightly above the adapter, and pivot the cover open. The air filter will lift out.

Tap the filter GENTLY to remove any dust. Check and clean the air filter every two days. Soap and water restores the filter to a "like new" condition.



End-of-Workday Routine

At the end of each workday, conduct an end-of-workday routine. These simple steps are designed to maintain the safety and operational efficiency of the Paslode Impulse Framing Nailer.

Before you leave the work site:

1. Remove battery and store in tool case. Always use the Impulse Framing nailer case for transporting and storing the tool.
2. Dispose of all empty fuel cartridges. Remember to dispose of these cartridges responsibly, where they will not be found by children, crushed, punctured or burned.

When you get home:

1. Place the battery in its charger if it needs charging as indicated by the red charge light on the tool handle.
2. Wipe your Impulse Framing Nailers with a clear, soft cloth.
3. Remove and clean the filter every two days.

Tool Cleaning and Oiling

Periodic cleaning and oiling are necessary to keep the Paslode Impulse Nailer operating properly. The tool should be cleaned and lubricated at least every 50,000 cycles. This number may vary depending upon the rate at which the tool is used and the operating conditions it is used in. The chart in the cleaning instructions will help you determine how often the tool should be cleaned.

Paslode Impulse Framing Nailer Accessories

A variety of accessories are available for the Paslode Impulse Framing Nailer:

Product Description	Part No.
No-Mar Work Contact Element	B20544G
Battery	B20543A
Clear Safety Glasses	401382
Paslode Lubricating Oil	B20544F
Battery Charger Kit	B20543B
Wall Mount Transformer	B20543C
Battery Charger Base	902661
Paslode Impulse Framing Nailer Case	902609
Automotive Adapter Kit	B20543E

Contact your local Paslode stockist for more information.

Tools

A 5/32 Allen Key (Part No. 401331) is provided with each Paslode Impulse Nailer.

Troubleshooting

Preparing Tool for Operation - Battery/Charger Problems

SYMPTOM	POSSIBLE PROBLEMS	SERVICE
Battery does not appear to accept charge when the battery and charger are plugged into the wall mount adapter	Inoperative indicator lights on charger, or defective charger	Try battery in tool after a full charge cycle. If tool LED is green, charger is not working properly. Replace charger, or monitor charging time to ensure battery has adequate time for recharging. It is normal for battery to feel warm after properly charging
Battery charger flashes red/green for more than 20 minutes	Defective battery	
	Battery damaged or cycle life exhausted	Replace battery
Charger gets hot, makes excessively loud noise, or smokes during charging cycle. Charger cord or wall plug gets hot	Damaged charger	Immediately discontinue use and unplug from power source. Replace charger and tag or dispose of charger to prevent accidental re-use or connection to power source

Normal Stage of Operation

SYMPTOM	POSSIBLE PROBLEMS	SERVICE
Fan does not run - tool indicator light is blinking red or solid red	Battery is not charged	Charge battery
	Battery terminals are contaminated or corroded	Clean battery terminals with cloth or pencil eraser
Fan does not run, or runs slower than normal - tool indicator light is solid red	Battery is discharged	Charge battery
Work contact element does not depress fully - tool does not operate	Five (5) or less nails in tool	Load strip of nails.
	Lockout bracket is stuck in lockout position	Check lockout. If unable to free return tool to authorised Paslode dealer for service.
	Work contact element arm is bent, worn or at the deepest setting	Remove and inspect lower probe. Clean, adjust or replace lower probe as required
	Follower is not behind fasteners	Position follower behind fasteners
Tool will not cycle - fan runs, indicator light is solid green	Fuel cartridge empty or past the "Best Use Before" date stamped on the bottom of the fuel cartridge	Replace fuel cartridge. See page 16 for details on how to check fuel cartridges
	Spark plug is dirty	Clean tool cylinder head and spark plug
	No spark is generated	Return tool to authorised Paslode dealer for service

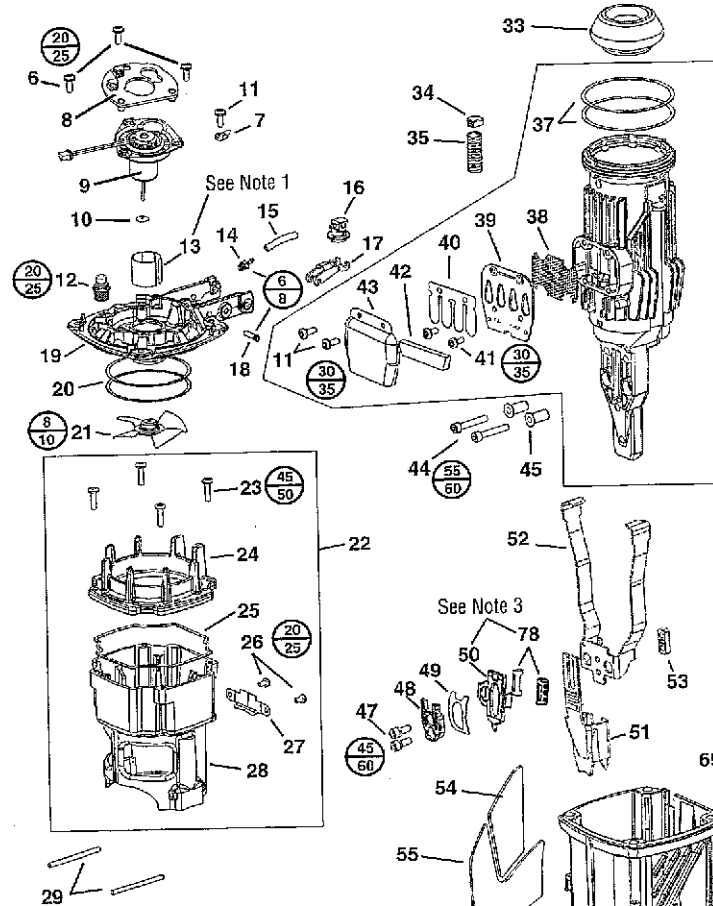
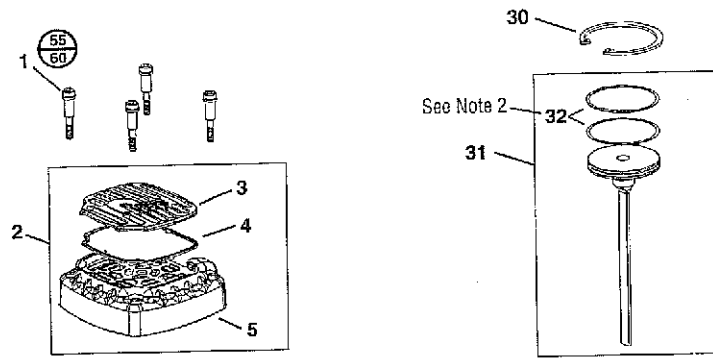
Normal Stage of Operation

SYMPTOM	POSSIBLE PROBLEMS	SERVICE
Tool operates properly, but fasteners do not drive fully	Work contact element requires adjustment	Adjust work contact element
	Dirty air filter	Clean filter
	There may be loss of seal in combustion chamber	Press work contact element against workpiece for 20 seconds. Pull trigger. If fastener does not drive, there is a leak that requires service
Tool operates, but no fastener is driven	Wrong fasteners being used	Use only fasteners meeting Paslode specifications. Check Fasteners and Applications section for fastener types and sizes recommended for use in Impulse tools
	Tool requires cleaning	Clean per instructions
	Follower not properly engaged behind fastener strip	Position follower behind fastener strip and engage strip
	Jammed fastener	Clear jam
Tool operates erratically or appears to be losing power - tool indicator light is green	Spark plug wire is loose.	Check spark plug wire.
	Filter element is dirty, causing tool to overheat	Remove filter element and clean. Use soap and water to remove stubborn debris
Tool operated and drove fasteners, but driver blade did not return to up position	Built-up dirt and debris on driver blade or in nose bore	Clean driver blade and nose bore with degreaser cleaner
	Mid check is dirty or disabled	Return tool to authorised Paslode Impulse dealer for service
Combustion chamber does not drop after tool cycles	Work contact element is bent or is dirty	Clean or replace work contact element

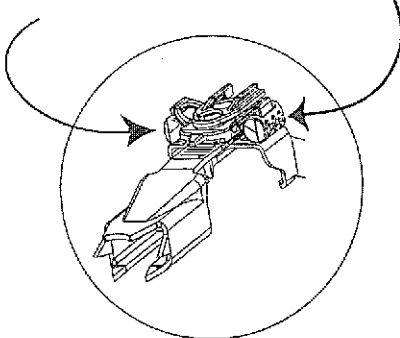
Return the tool to an accredited Paslode agent for repairs or maintenance check.
Paslode representative for service.

For technical support contact Paslode:
Australia: 1-800-PASLODE (727-563) | www.paslode.com.au
New Zealand: 09-477-3000 | www.paslode.co.nz

FrameMaster-Li B20543



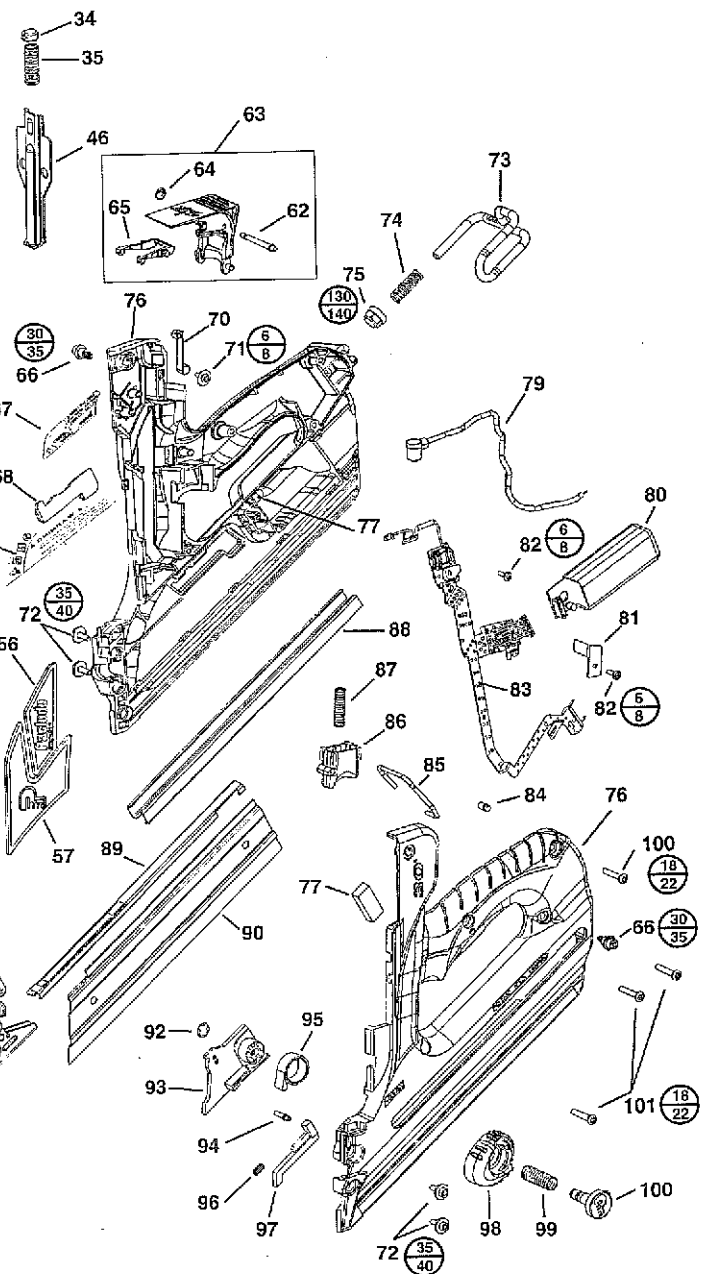
- Notes:
1. Sleeve to be positioned with ribs contacting.
 2. Ring openings to be 180° apart.
 3. Install probe release buttons (item 78) onto the probe release (item 50) with the finger grips facing outward.



TORQUE VALUES	
MIN	MAX
IN/LBS	

CAUTION

All parts should be regularly inspected and replaced if worn or broken. Damaged components can affect the tool's operation and may present a safety hazard



PARTS LEGEND FrameMaster-Li Impulse Framing Nailer, B20543

1	901063	4	Shoulder Screw 10-24 x 1-1/2	51	902269	1	Probe, Lower
2	902283	1	Cap & Grille Assembly	52	901249	1	Probe, Upper
3	902285	1	Grille	53	401380	1	Tie Bar
4	900315	1	Filter	54	902267	1	Label, "Paslode" - Right
5		1	Cap (refer item 2)	55	902266	1	Label, Logo - Right
6	900902	3	Screw Thread Forming Sems 8-32 x 5/8	56	902265	1	Label, "Paslode" - Left
7	404453	1	Bracket, Cylinder Head	57	902264	1	Label, Logo - Left
8	901422	1	PC Board	58	902261	1	Housing
9	901430	1	Fan Motor Assembly (Includes Mount)	59	900546	4	Brass Insert
10	900468	1	Washer, Motor Shaft	60	902240	1	Retainer Ring, Sleeve
11	900596	3	Screw Thread Forming Sems 8-32 x 7/16	▲ 61	900593	3	S.H.C.S. Sems 10-24 x 5/8
12	900286	1	Spark Plug Assmby, includes O-Ring	62	902230	1	Pin, Fuel Door
13	401356	1	Motor Sleeve	63	902296	1	Fuel Door Assembly
14	904517	1	Fuel Barb	64	902235	1	Retaining Ring, Fuel Door
15	902215	1	Fuel Tube	65	902210	1	Fuel Dosing Lever
16	902212	1	Fuel Block	66	901222	2	Shoulder Screw 10-32 x 1/2
17	902211	1	Fuel Pivot Arm	67	900497	1	Label, Nameplate
18	902213	1	Fuel Arm Pivot Pin	68	902607	1	Label, "Li-ion + Fuel"
19	902221	1	Cylinder Head	**69	902608	1	Label, Warning
20	900935	2	Seal Ring	70	404448	1	Roller Lever Assembly
21	403167	1	Fan Blade Assembly	71	900597	1	Screw Thread Forming Sems 6-19 x 3/8
22	902233	1	Combustion Chamber Assembly	■ 72	900594	4	S.H.C.S. Sems 8-32 x 1/2
■ 23	900969	4	Torx Screw 8-32 x 5/8	73	902237	1	Utility Hook
24	902222	1	Combustion Chamber Ring	74	902238	1	Spring, Utility Hook
25	900481	1	O-Ring	75	902227	1	Button, Utility Hook
■ 26	403987	2	Screw Thread Forming 6-32 x 1/4	76	902617	1	Handle Assembly Kit- Right & Left
27	404412	1	Wear Plate, Chamber Lock	77	904571	2	Foam Pad
28		1	Combustion Chamber (refer item 22)	78	902620	2	Button, Probe Release
29	404827	2	Pin	79	900478	1	Spark Plug Wire Assembly
30	401328	1	Retaining Ring	80	902604	1	Spark Unit Assembly
31	404485	1	Piston Assembly - includes rings	81	900231	1	Clip, Spark Plug Wire
32	401461	2	Piston Ring	82	404702	2	Screw Thread Forming 6 x 3/8
33	404419	1	Bumper	83	902625	1	Molded Circuit Assembly
34	404464	2	Rubber Stop	84	900427	1	Light Pipe
35	404411	2	Spring	85	900269	1	Chamber Lock Bar
36	901204	1	Sleeve Assembly - includes rings	86	404435	1	Trigger
37	900934	2	Steel Ring, Sleeve	87	404927	1	Spring, Trigger
38	404426	1	Exhaust Baffle	88	902216	1	Magazine Channel
39	404425	1	Reed Plate	89	404436	1	Nail Channel
40	404424	1	Reed Valve	90	902623	1	Cover Plate Magazine
41	900595	2	Torx Screw Sems 8-32 x 3/8	91	902262	1	Shear Block
42	404422	1	Muffler	92	901202	1	Retaining Ring
43	404423	1	Muffler Cover	93	403985	1	Follower
44	403816	2	S.H.C.S. 10-24 x 1-1/8	94	403986	1	Spring Pin
45	404445	2	Bushing, Shear Block	95	901415	1	Follower Bushing Spring Assembly
46	902249	1	Wear Plate, Nose	96	404457	1	Spring
47	900592	2	S.H.C.S. Sems 10-32 x 1/2	97	404451	1	Lockout Bar, Follower
48	901241	1	Stop, Cage	98	902204	1	Follower Guide
49	901238	1	Spring, Flat	99	902239	1	Spring
50	902619	1	Probe Release	100	902205	1	Follower Button
				101	900453	4	Screw, Plastite 8-16 x 7/8

- ** Make sure Warning Label (#902608) is properly affixed.
Replace if necessary. Label is available at no charge through the Service Department.
- ▲ Apply Loctite 242 (Blue) Part No. 093500.
- Apply Loctite RC-620 (Green) Part No. 401491

SAFETY INSTRUCTIONS

WEAR EYE AND HEARING PROTECTION



Always wear eye and hearing protection when operating nail tool.



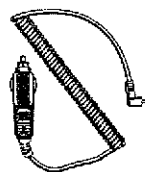
CAUTION

All parts should be regularly inspected and replaced if worn or broken. Damaged components can affect the tool's operation and may cause personal injury.

ACCESSORIES

Car Adaptor

Enables you to re-charge your battery with your vehicle's electrical system.



Part No. B20543E

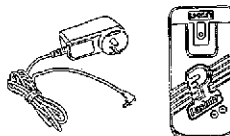
Battery



Part No. B20543A

Battery Charger Kit

(Replacement Charger Base Only Part No. 902661)
(Replacement Transformer Only, Part No. B20543C)



Part No. B20543B

Degreaser Cleaner

Ideal cleaner for all Paslode tools



Part No. B20544L

Paslode Lubricating Oil



Part No. B20544F

Carrying Case



Part No. 902609

No-Mar Work Contact Element

Rubber tipped WCE to eliminate damage to work surface.
(Replacement rubber tip, Part No. 403369)



Part No. B20544G

5/32" Allen Key



Part No. 401331



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