

Millennium One Step™ Battery Powered Applicator

INSTRUCTION MANUAL



IMPORTANT - Do not operate the Millennium One Step™ Battery Powered Applicator until you read and understand the safety and operations sections of this manual.



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WARNING

READ AND UNDERSTAND ALL INSTRUCTIONS!

FAILURE TO FOLLOW ALL INSTRUCTIONS LISTED BELOW MAY RESULT IN ELECTRIC SHOCK, FIRE, AND/OR PERSONAL INJURY

WORK AREA

- Keep your work area clean and well lit.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

- A battery operated tool with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery. A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.
- Use battery operated tool only with specifically designated battery pack. Use of any other batteries may create a risk of fire.
- Use only with batteries of rated voltage and same type. Higher voltages may create an electrical hazard. Other battery types may fall from tool creating a risk of personal injury.

PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power 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 jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- Avoid accidental starting. Be sure the switch is in the locked or off position before inserting the battery pack. Carrying tools with your finger on the switch or inserting the battery pack into a tool with the switch on invites accidents.
- Remove any adjusting keys or wrenches before turning the tool on. A wrench or a key 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 enable 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.



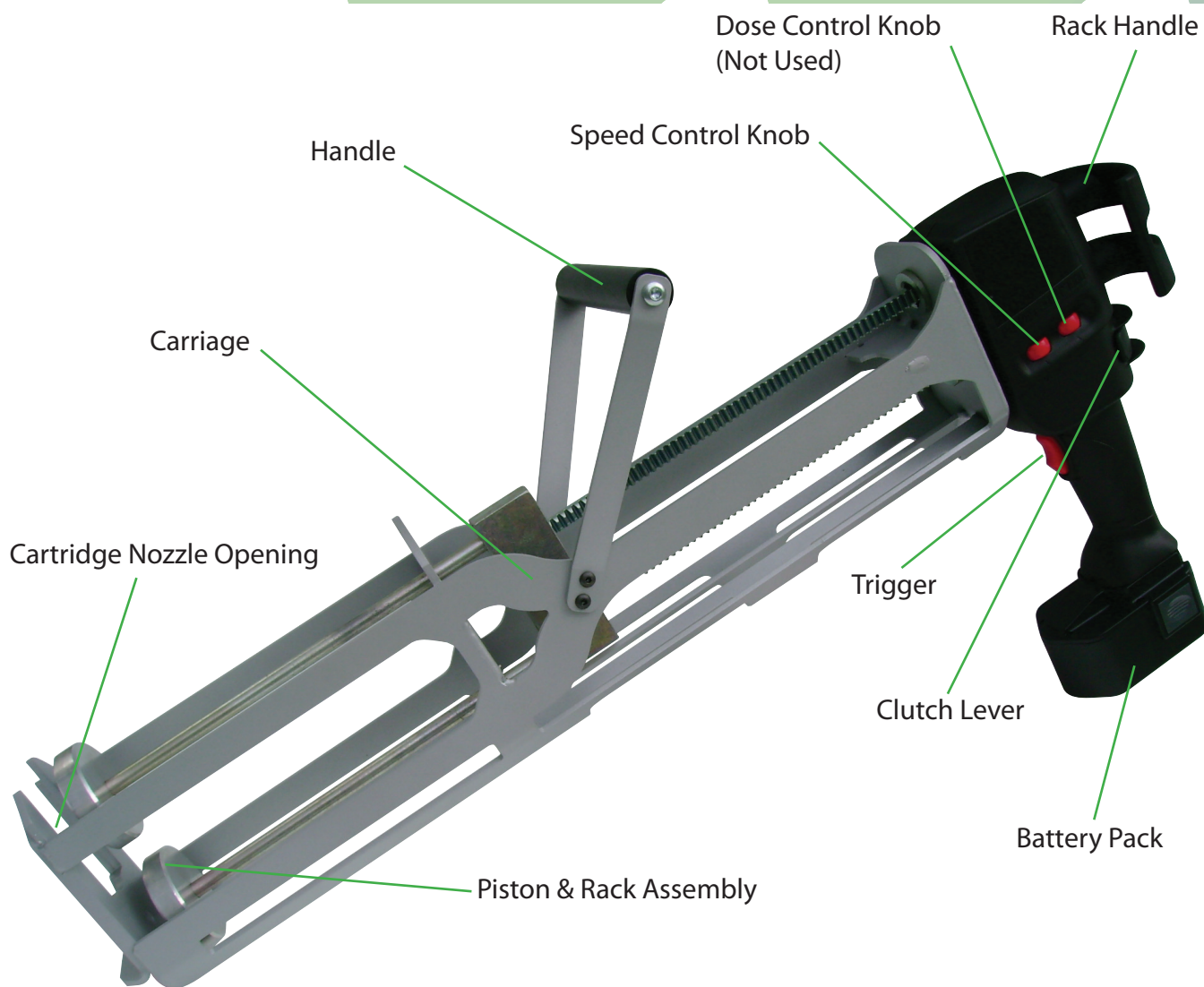
WARNING

TOOL USE AND CARE

- When operating the Millennium One Step™ Battery Powered Applicator use both hands. Use of both hands will help prevent dropping the tool which could cause damage to the tool or user.
- Do not place hand or finger in front of plungers while battery is attached. This could result in injury to operator.
- Do not fix Trigger in the "ON" position by any means (rubber band, tape, etc.). This may result in an unsafe operating condition.
- Do not force 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 tool if the switch does not turn it on and off. A tool that cannot be controlled with the switch is dangerous and must be repaired.
- When not in use turn the Speed Control Knob to its minimum setting and remove the battery pack. This prevents the tool from starting unintentionally.
- Disconnect battery pack from tool or place the switch in the locked or off position 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 the reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.
- When battery pack is not in use keep it away from other metal objects like: paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause sparks, burns, or a fire.
- 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 attachments or accessories that are recommended by the manufacturer for your model. Attachments or Accessories that may be suitable for one tool may create a risk of injury when used with another tool.
- Do not operate without the pistons attached. This will damage the cartridge and possibly cause personal injury.

MATERIALS

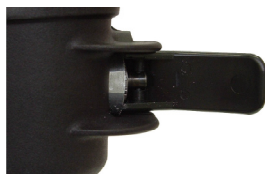
- Before using any material be sure to read, understand, and follow the instructions of the manufacturer of that material. Read the MSDS (Material Safety Data Sheet) supplied by the manufacturer of the material and all writing on the material and the container thoroughly. Material may not dispense properly if it is not at the proper temperature. Material may pose a health hazard without adequate ventilation.
- DANGER: Do not use to dispense any flammable or explosive material, any material that contains petroleum distillate(s), or any material that cannot be used safely near sparks or near electric motors. Do not use this tool, or any other power tool, if any phrases such as "Flammable", "Explosive", "Keep away from heat, spark, and flame", "Keep away from heat, spark, open flames and any ignition source", "Petroleum Distillate", "Distillates (Petroleum)", "Disconnect electric motors", etc., appear. This product contains an electric motor. All electric motors generate sparks and may ignite vapors from materials.



Component	Description
Trigger	"On/Off" mechanism.
Clutch Lever	Close to engage gears and dispense adhesive. Open to allow free movement of rack.
Speed Control Knob	Controls flow of adhesive.
Dose Control Knob	Controls amount of time per trigger pull for adhesive dispense. NOT USED.
Battery Pack	Power source. To install, slide pack onto base of handle. To remove, squeeze both release buttons and slide forward.
Rack Handle	Handle for piston/rack assembly. Move by opening Clutch Lever and pushing or pulling handle.
Cartridge Nozzle Opening	Opening for adhesive cartridge nozzle/tip.

Step 1

Open Clutch Lever to allow movement of racks.



Step 6

Close the Clutch Lever to engage clutch.



Step 2

Retract the rack by pulling the Rack Handle away from the tool.



Step 7

Slide the battery onto the handle until it is fully engaged.



Step 3

Prepare adhesive cartridge by removing caps or plugs and installing static mixing nozzle. Note: Follow adhesive manufacturers complete instructions for proper cartridge preparation.

Step 4

Insert cartridge into the carriage. Line up the cartridge and the Cartridge Nozzle Opening for correct positioning.



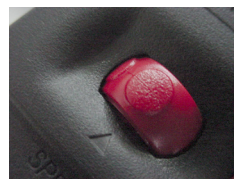
Step 5

Push the Rack Handle forward, lining up pistons with the openings on the cartridge.



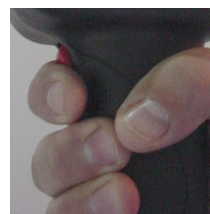
Step 8

Adjust Speed Control Knob to desired flow. High speed is designated on the knob by the largest "bubble" symbol. Slower speeds; smaller bubbles. Note: Most applications will require the tool to be operated at full speed.



Step 9

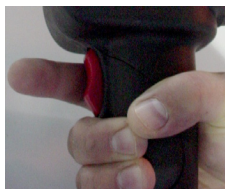
Hold Trigger to begin dispensing adhesive. Note: Trigger must be depressed 2 times before tool operates when it has sat idle. This is a power saving feature built into the tool.



When finished dispensing, or when end of cartridge is reached, follow these steps:

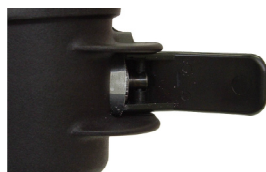
Step 1

Release trigger.



Step 2

Open clutch.



Step 3

Retract rack.



Step 4

Remove cartridge.



Step 5

Store or dispose of used cartridge in accordance with manufacturer's instructions and any applicable laws or regulations.

Step 6

To prolong battery life and prevent accidental starting, remove battery pack by simultaneously squeezing both release buttons and sliding the battery pack forward.



Symptom	Cause	Remedy
Motor does not start.	• Trigger not depressed. • Discharged battery. • Speed setting too low. • Battery pack not fully inserted. • Cartridge or sausage fully dispensed (dispenser shuts off automatically).	• Press trigger. • Use charger to recharge battery. • Increase speed setting. • Remove and reinstall battery pack. • Remove and replace cartridge or sausage.
Motor stops suddenly while running.	• Battery pack not fully inserted. • Cartridge or sausage fully dispensed (dispenser shuts off automatically).	• Remove and reinstall battery pack. • Remove and replace cartridge or sausage.
Motor stops gradually or slows down.	• Discharged battery. • Speed setting too low.	• Use charger to recharge battery. • Increase speed setting.
Motor runs but adhesive is not being dispensed.	• Clutch open. • Cartridge tip not removed. • Adhesive too cold. • Cured adhesive clogging mixing tube. • Cartridge failure (blow by).	• Close clutch. • Remove tip. • Warm the adhesive. • Replace mixing nozzle (mixing tube). • Remove cartridge. Clean pistons and teeth. Install new cartridge.
Adhesive is dispensed very slowly.	• Discharged Battery. • Speed setting too low. • Adhesive too cold. • Cured adhesive clogging mixing tube. • Cartridge failure (blow by).	• Use charger to recharge battery. • Increase speed setting. • Warm the adhesive. • Replace mixing nozzle (mixing tube). • Remove cartridge. Clean pistons and teeth. Install new cartridge.
Dispensed adhesive is not uniformly mixed.	• Adhesive too cold. • Cured adhesive in mixing nozzle. • Cartridge failure (blow by).	• Warm the adhesive. • Replace mixing nozzle (mixing tube). • Remove cartridge. Clean pistons and teeth. Install new cartridge.
Rack Handle is difficult to push or pull.	• Clutch closed. • Adhesive built up on rack teeth.	• Open clutch. • Remove cartridge. Clean pistons and teeth. Install new cartridge.

GENERAL MAINTENANCE

- Keep handles clean, dry and free of oil or grease.
- Clean with mild soap and damp cloth. Do not use solvents or cleaning agents that can damage the tools plastic parts.
- Follow cleaning and maintenance instructions in battery charger manual and battery pack leaflet.
- Remove adhesive residue from rack and pistons regularly if present. Apply light coating of light machine oil to lubricate rack as needed.
- For internal lubrication and all other maintenance, except external cleaning and battery pack recharging, and for all repairs, return to service center, distributor, or manufacturer.
- If the tool is not running at full capacity, check to be sure that the battery pack is fully charged and that the contacts on the battery pack and tool are both clean. If they need maintenance, use caution and clean with an eraser.

SERVICE

Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel may result in a risk of injury. **Do not disassemble tool or battery pack.** At conclusion of its useful life, remove battery pack from tool. Without further disassembly, return battery pack intact for recycling and/or discard tool intact. Disassembly and reassembly may create an unsafe condition.

When servicing a tool, use only identical replacement parts. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of shock or injury.

Frequent maintenance can prolong the life and safety of the tool. Every year or as necessary (depending on usage of tool), return it to a service center for electrical and mechanical inspection, cleaning and lubrication, and testing to ensure that the electrical and mechanical systems are in proper operation.

Factory Service Center

ADCO Products, Inc.
Tool Service Department
5 Park Avenue
Post Office Box 745
Ellicottville, NY 14731
USA
1-716-699-6005

Monday - Friday • 8:00AM - 5:00PM • Eastern Time

BATTERIES

Recycle used batteries. Comply with all disposal regulations and laws. For rechargeable battery recycling information in the United States and Canada, call the Rechargeable Battery Recycling Corporation: 1-800-8-BATTERY. For a listing of major retailers that accept rechargeable batteries for recycling, go to:

<http://www.rbrc.com/retail/index.html#list>

To search for drop-off locations near you go to:

- <http://www.rbrc.com/consumer/uslocate.html> for locations in the United States.
- <http://www.rbrc.com/consumer/clocate.html> for locations in Canada.

ACCESSORIES

Battery pack:

14.4 Volt 1.7 amp-hour Nickel-Cadmium Battery Pack

- Higher voltage (14.4 Volts DC) increases the speed of the tool.
- Higher 1.7 amp-hour capacity for longer run time than 12 Volt battery pack.

Chargers:

One hour NiCd AC Charger

- Uses 120 Volt AC power.
- Recharges 14.4 Volt DC battery packs.
- Plugs into standard American 120 VAC wall socket.

One Hour NiCd DC Charger

- Uses 12 Volt DC automotive power.
- Recharges 14.4 Volt DC battery packs.
- Plugs into cigarette lighter.

Shoulder strap (not available for all models)

- To use, hook the snap securely onto the hole in the cartridge holder.

Cleaning kit

- Use in accordance with instructions provided in kit.

WARRANTY

ADCO warrants its products to conform to ADCO's specifications at the time of sale when tested according to ADCO standards. If a product is proven to be defective when tested according to ADCO standards, ADCO will, at its option, refund the purchase price or replace or repair the defective product within 30 days after sale by ADCO or its distributors. THIS LIMITED WARRANTY IS THE BUYERS SOLE AND EXCLUSIVE REMEDY AGAINST ADCO AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. In no event shall ADCO be liable for any special, incidental, consequential, or punitive damages arising out of any claims whether based on negligence, contract, warranty, strict liability or otherwise.

This tool has been designed to dispense ADCO Products, Inc. produced adhesives and sealants. User assumes all liability and risk for dispensing adhesives not manufactured by ADCO Products Inc.

The warranty is void if the tool has been opened or tampered with by anyone other than a factory trained service technician.

The ADCO Products, Inc. warranty covers the cost of parts for repairing defects in workmanship and materials. All repairs will be completed at the factory approved service center. Purchaser is responsible for shipping costs. The ADCO Products, Inc. warranty is valid for up to 12 months from the date of manufacture. Ship to:

ADCO Products, Inc.
5 Park Avenue
Post Office Box 745
Ellicottville, NY 14731
USA