

# PEXGUN



OPERATING and MAINTENANCE MANUAL

**Model No. PG101**

# OPERATING & MAINTENANCE MANUAL INDEX

1. SAFETY INSTRUCTIONS
2. SAFETY FEATURES
3. SPECIFICATIONS AND TECHNICAL DATA
4. BATTERY INSTRUCTIONS
5. OPERATING INSTRUCTIONS
6. MAINTENANCE
7. STORAGE
8. TROUBLE SHOOTING & REPAIRS
9. WARRANTY

## 1. SAFETY INSTRUCTIONS

READ THE FOLLOWING SAFETY INSTRUCTIONS TO AVOID SEVERE PERSONAL INJURY OR PROPERTY DAMAGE.

### PRECAUTIONS ON USING THE TOOL

This tool is intended for use for tying re-bar, PEX and/or PEX-AL PEX pipe to re-bar or wire mesh. Using the tool for other applications or in ways not specified in the manual may lead to serious injuries. Strictly observe the information written in this manual. This tool is intended for use by professional contractors only.

#### 1. WEAR SAFETY GLASSES OR GOGGLES

The use of proper eye protection is worn when the tool is being used. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1 (Council Directive 89/686/EEC of 21 DEC. 1989) and it must provide frontal and side protection.

NOTE: Non-side-shielded glasses or goggles and face shields alone do not provide adequate protection.

#### 2. EAR PROTECTION MAY BE REQUIRED IN SOME ENVIRONMENTS

Because working conditions may include exposure to high noise levels that could lead to hearing damage, the user should make sure that necessary hearing protection is provided and used by the operator and others in the work area.

#### 3. DO NOT ALLOW CHILDREN NEAR THE TOOL

Allow no bystanders, especially children, near the tool during its operation.

#### 4. DO NOT USE THE TOOL OR CHARGER IN ANY WET CONDITION SUCH AS RAIN, SPLASHING WATER OR IN A DAMP PLACE

Using the tool in these or similar conditions will increase the risk of electric shock, dangerous malfunction, and/or overheating and will void warranty.

#### 5. INSPECT THE TOOL BEFORE MOUNTING THE BATTERY PACK

Examine the screws to make sure they are securely tightened. Incomplete tightening may result in an accident or breakage. If a screw is loose, retighten it completely.

Inspect parts for damage. Parts will wear over periods of use. If a part must be replaced or repaired, purchase the replacement part at an authorized distributor. Use only genuine authorized replacement parts.

#### 6. BE SURE TO SET THE MAIN SWITCH TO THE OFF POSITION AND LOCK THE TRIGGER WHEN CHANGING THE BATTERY PACK AND WHEN REPLACING OR ADJUSTING THE TIE WIRE, WHEN ABNORMALITIES OCCUR, AND WHEN THE EQUIPMENT IS NOT BEING USED

Leaving the equipment switched on in these situations may cause breakdowns or damage.

#### 7. KEEP YOUR HANDS AND BODY PARTS CLEAR OF THE FEEDER ARM AND CURL GUIDE AT ALL TIMES

Failure to do so may result in serious injury.

**8. KEEP YOUR HANDS AND BODY PARTS AWAY FROM THE TIE-WIRE REEL WHEN TOOL IS IN OPERATION**

Failure to do so may result in serious injury.

**9. DO NOT POINT THE TOOL AT ANYONE**

Personal injury may result if the tool catches an operator or anyone working near him. While working with the tool, be sure not to bring hands, legs, and other body parts near the arm of the tool.

**10. WHEN THE TOOL IS NOT IN OPERATION KEEP YOUR FINGERS OFF THE TRIGGER**

Failure to do so may cause accidental tying, leading to serious injury.

**11. NEVER OPERATE THE TOOL UNDER ANY ABNORMAL CONDITION**

If the tool is not in good working order, or if any abnormal condition is noticed, switch it off immediately (set the Main switch at OFF), lock the Trigger, remove the battery and have the tool examined and repaired by an authorized service centre.

**12. AFTER BATTERY INSTALLATION, IF THE TOOL OPERATES WITHOUT THE TRIGGER BEING PULLED OR THE OPERATOR NOTICES UNUSUAL HEAT, SMELL, OR SOUND, DISCONTINUE OPERATION**

Failure to do so may lead to serious injury. Return to dealer for safety inspection.

**13. NEVER MODIFY THE TOOL**

Modifying the tool will impair performance and operating safety. Any modification may lead to serious injury and void the warranty.

**14. MAINTAIN THE TOOL IN GOOD OPERATING CONDITION**

To secure operating safety and ensure top performance, keep the tool free of wear and damage. Also keep the tool's hand grip dry and clean, especially free of oil and grease.

**15. USE ONLY THE AUTHORIZED BATTERY PACK**

Use only TT5011 battery pack. If the tool is connected to a power supply other than the authorized pack, such as a rechargeable battery, a dry cell, or a storage battery for use in automobiles, the tool may be damaged, break down, overheat, or even catch on fire.

**16. TO ENSURE MAXIMUM PERFORMANCE, FULLY CHARGE THE BATTERY BEFORE USE**

A new battery pack or one not used for extended periods may have self-discharged and thus may need recharging to restore it to a fully charged condition. Before operating the tool, make sure to charge the Battery pack with the designated battery charger **TT5033**.

**17. BATTERY CHARGING PRECAUTION**

1. Use only battery charger BAT1379 and battery pack BAT1476. Failure to do so may cause the Battery to overheat or catch fire leading to serious injury.
2. Charge the battery with 110V AC wall socket only. Failure to do so may result in over heating or inadequate charging possibly causing serious injury.
3. Never connect the battery charger to an engine generator direct-current power supply. The charger will break down or be damaged from burning.
4. Do not put a cloth or any other cover on the battery charger while the battery pack is being charged. This will cause overheating and damage from burning, or the Charger may even catch fire.
5. Keep the battery pack and battery charger away from heat and flames  
Charge the battery pack in a well ventilated place. Do not charge the battery pack in direct sunlight.
6. Charge the battery pack in a temperature range of 41 °F (5°C) to 104°F (40°C)
7. Rest the charger for 15 minutes between charges to avoid functional trouble with the unit.
8. Handle the power cord carefully. Do not carry the battery charger by its power cord. Do not use the power cord to disconnect it from a wall socket; this will damage the cord and break the wires or cause a short circuit. Do not let the power cord contact sharp edged tools, hot materials, oil, or grease. A damaged cord must be repaired or replaced.
9. Do not charge non rechargeable batteries with this charger.
10. This charger is not intended for use by children or disabled persons without supervisor.
11. Put a pack cap on the terminal of the Battery pack. When the Battery pack is not in use, put a pack cap on its terminal to prevent short circuits.
12. Do not let the terminal (metal component) of the battery pack short-circuit. A short circuit in the terminal will generate a large current, causing to overheat the battery pack and become damaged.
13. Do not leave or store the tool in a vehicle. Leaving the tool in high temperature conditions may cause the battery pack to deteriorate.
14. Do not store a fully discharged battery pack. If a fully discharged battery pack is removed from the system and left for a long period of time, it may become damaged. Recharge the battery immediately when it has been discharged.

### 18. WEAR SAFETY GLOVES WHILE OPERATING THE TOOL

The finish tie has sharp edges. To avoid serious injuries, be careful not to touch the sharp edges. Wear OSHA approved safety gloves while operating the tool.

## 2. SAFETY FEATURES

In order to ensure safety during operation, the PEX GUN has the following safety features.

- Prior to using the tool, make sure that the safety features function properly. If they do not, avoid using the tool.

### Trigger Lock

The Trigger can be locked preventing the tool from operating for safety. Always keep the Trigger locked when not in use. Unless you are at tying work, set the trigger lock to the position of LOCK and remove a battery pack. When you start tying work, set it to the position of UNLOCK.

Pull to the left slightly and upwards to UNLOCK.

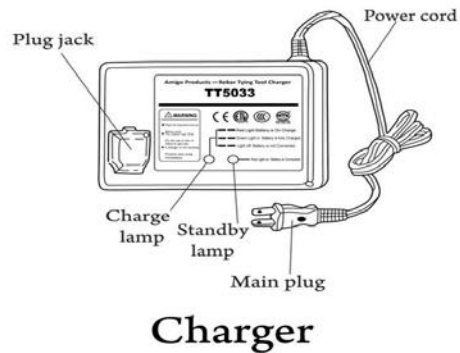
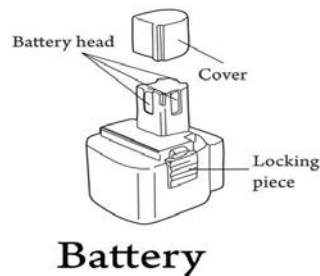
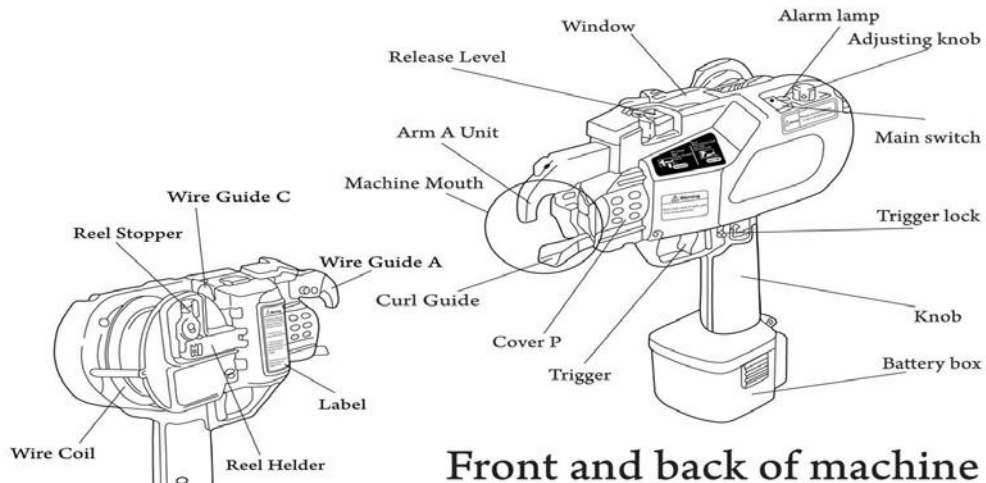
### Curl Guide

When the Curl Guide is opened, it will emit a beeping sound and the tool does not operate.

## 3. SPECIFICATIONS AND TECHNICAL DATA

### 1. NAME OF PARTS

#### 1. Each part and their names



## 2. TOOL SPECIFICATIONS PEX GUN

<b>PRODUCT NO.</b>	PG101
<b>WEIGHT</b>	6 lbs
<b>HEIGHT</b>	11 3/8"
<b>WIDTH</b>	4"
<b>LENGTH</b>	11"
<b>WRAPS PER TIE</b>	2-3 wraps per tie
<b>BATTERY</b>	Lithium 14.4 V
<b>ACCESSORIES</b>	Battery Pack (BAT1462) Battery Charger (BAT1379) Carrying Case
<b>Operating temperature</b>	14°F to 104°F (-10°C to 40°C)
<b>Humidity</b>	80% RH or less

### BATTERY CHARGER

<b>Product name</b>	<b>Battery Charger</b>
<b>Product code</b>	BAT1379
<b>Input</b>	AC 110 / 240V 50/60 Hz 1.2A
<b>Weight</b>	2.0 lbs
<b>Operating temperature range</b>	41°F to 104°F (5°C to 40°C)
<b>Humidity</b>	80% RH or less

### BATTERY PACK

<b>NAME</b>	BATTERY
<b>MODEL</b>	BAT1462
<b>Battery type</b>	DC 14.4V
<b>Charging time</b>	Full charging - Approximately 50 minutes at 77°F (100% of capacity)
<b>Accessories</b>	Pack cap (For preventing short circuit)
<b>Weight</b>	1.1 lbs
<b>Charging temperature</b>	41 °F to 104°F (5°C to 40°C)
<b>Operating temperature</b>	14°F to 104°F(-10°C to 40°C)
<b>Operating humidity</b>	80% RH or less

### 3. WIRE SPECIFICATIONS

<b>NAME</b>	TIE WIRE (GALVANIZED)
<b>MODEL</b>	1378991, 1378993, 1378995
<b>DIAMETER</b>	21GA. (0.8 mm)
<b>LENGTH</b>	320 feet/coil
<b>TIES PER COIL</b>	Approx. 120-160 ties/coil

### 4. APPLICATIONS

- Used to tie wrap PEX and PEX-AL-PEX Tubing for Radiant Floor Heat and Snow & Ice Melt Systems to rebar wire or wire mesh.
- Precast plants
- Commercial buildings
- Foundations
- Roads & bridges

### 5. APPLICABLE PEX & PEX-AL-PEX PIPE SIZES

	<b>Minimum</b>	<b>Maximum</b>
<b>PG-101</b>	3/8"	3/4"

## 4. BATTERY INSTRUCTIONS

### 1. Charging

- **Before removing the battery pack from the tool, set the Main switch at OFF and lock the Trigger.**

A battery pack cap is to be used to prevent short circuits and must be removed from the terminal of the battery pack. When charging the battery pack, remove it from the tool by pushing on its latches from both sides, while firmly holding the grip of the tool.

Plug the charger into a wall socket and install the battery pack. The red light, a current-carrying indicator, will turn on. .

### Charge the battery pack.

- Fully insert the battery into the receptacle on the charger until it sits securely on the end.
- Charging will start automatically and will be indicated by the red charging light.
- Charging time is approximately 60 minutes. This will vary by temperature and source voltage.
- For batteries those are at low temperatures (50°F (10°C) or lower), charging time must be extended longer. When charging at low temperatures, both of the red and the yellow charging light will be lit.
- When the battery pack has been recharged, the "red" lamp turns off and the "green" lamp blinks.
- The "green" LED lamp blinks slowly. Now, the battery has been recharged to approximately 90% of its capacity. Quick charging takes approximately 30 minutes (however, the recharging time and capacity slightly change depending on the ambient temperature and power voltage).

Regarding tying times per charge, a brand-new battery ties approximately 1000 times per charge. The tying times per charge will be decreased gradually by repeated re-charge until the battery becomes unusable. The tying times per charge depend on temperature and the battery condition.








- When the battery pack is fully discharged, do not leave it for a long time without recharging. If the fully discharged battery pack is removed from the system and left for a long period of time, the battery pack may become damaged. Recharge the battery immediately when it has been discharged.
- Do not leave the battery pack on the charger. If the above is not observed, a weak current will continue to flow and the battery pack may become damaged. When recharging is complete, always remove the battery pack from the charger.

### Battery pack breakdowns

If the following conditions occur, bring the battery and charger to the authorized service centre

- The red charging lamp does not flash when the charger plug is inserted into main power source outlet (When the battery pack is not inserted in the charger.)
- Neither the red charging lamp nor the orange standby lamp lights or flashes when the battery pack is inserted in the charger.
- The red standby lamp does not change to the red charging lamp even after more than 1 hour.
- The red charging lamp does not change from constant to flashing light even after more than 90 minutes (except at low temperatures).

### Indication of Quick Charger Lamps

Charger LED lamp	Buzzer sound	Recharging status	
Red lamp blinks. It blinks every second 	The power cord is plugged into the receptacle. Two short beeps.	The charger is powered.	The power cord is plugged into a wall socket.
Red lamp lights. It remains lit. 	The battery pack is mounted. One short beep.	The battery is being recharged.	Quick recharging continues.
The green lamp blinks. It blinks every second 	The battery has been recharged. A long beep for approx. 2 seconds.	The battery has been recharged.	The battery has been recharged to approx. 90% of its capacity. If you leave the battery pack on the charger, recharging will continue.
The green lamp lights up. It remains lit. 	Fully recharged. A long beep for approx. 2 seconds.	Battery is "fully" recharged.	Recharged to 100% capacity.
The red lamp lights up. They remain lit. 		Protective charging	The battery is recharged with a low current to protect the charger and battery.
The orange lamp lights up. It remains lit. 		Standby	If the temperature of the battery pack is too high: Battery recharging starts automatically when the temperature drops below the limit.  If the temperature of the battery pack is too low: Place the battery pack in a 50-70 F temperature controlled room for an hour, and then retry recharging it.
The red lamp blinks. It blinks quickly (0.1 sec ON and 0.1 sec OFF). 	Not possible to recharge. Short continuous beeps for approx. 10 seconds.	Not possible to recharge.	Unable to recharge the battery. The battery pack slot is contaminated, or the battery pack has failed.

### Service Life of the Battery Pack

If any condition described below is observed, the battery pack is at the end of its service life. Replace it with a new one.

- Although the battery pack has been properly charged (fully charged), a great drop in tying time has been noticed.

Do not charge the battery pack when this happens. If the motor's rotational speed slows down, the power of the battery pack is considered to be nearly depleted. Using the tool more will cause it to over discharge, resulting in a shortened service life of the battery pack and also in functional trouble of the tool's main body

Do not use a battery pack when its service life is finished. This will cause functional trouble in the tool's main body. Also charging a battery pack that is out of service life will lead to functional trouble in the battery charger.

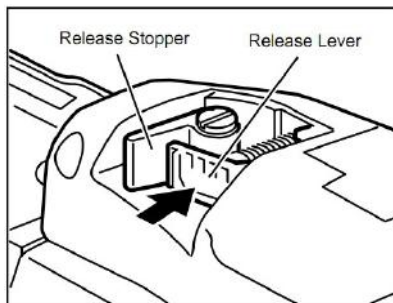
### Recycling the Battery

The battery pack may be illegal to dispose of this battery into the municipal waste system. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

## 5. OPERATING INSTRUCTIONS

### How to set the Tie-Wire

- **Be sure to set the Main switch to off, to lock the Trigger, and detach the Battery pack.** ① Press the release lever and confirm that the release lever is caught in the release stopper.



Peel off the tape fixing Tie-Wire by about 2" (5cm). Stretch out the tip of the wound Tie-Wire.

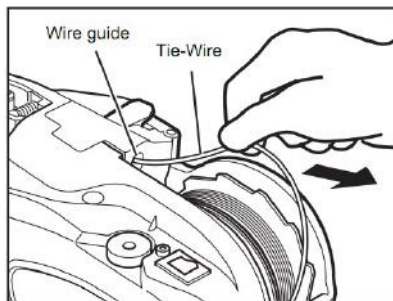
- **BE SURE TO USE ONLY PEX GUN TIE-WIRE.**

The use of binding wire that has not been specified may cause breakdown of this equipment. Therefore, be sure only to use the specified PEX GUN tie wire. Do not use binding wire that has become rusted, since the use of rusted wire will cause equipment breakdown.

Push the reel stopper to release the reel holder.

Set the Tie-Wire in the tool by matching the side of the Tie-Wire. Then slide the reel stopper so that the reel Holder can be pushed in the reel. Then push the reel holder and fix it by sliding the reel stopper. ② Insert the tip of the stretched out Tie-Wire into the wire guide.

- **Put approximately 4" of wire into the Wire Guide.**





- **The tip of the Tie-Wire should be straightened out to allow it to pass through the wire feeding mechanism.**

**When mounting the Tie-Wire, the wire may become jammed inside the machine if the wire tip is bent.**

**If the window is dirty and the pipe position can't be confirmed**

Open the window and wipe off the dirt on the inside of the window with a soft cloth, etc. Close the window again after cleaning to ensure that foreign objects will not be able to enter the machine.

- Release the release stopper, and confirm that the release lever has returned to its original position and that the feeding gears are clamping the Tie-Wire. This completes the Tie-Wire mounting operation.
  - Remove the tape from the tie-wire completely.
  - Remove slack from wire spool.
  - Make sure the Tie-Wire does not get caught behind the wire spool. This could lead to jamming.
- **When turning the main switch to ON**, do not place your fingers near the binding part and rotating part of the tool's tip.
  - **Do not switch the main switch ON and OFF in rapid succession, since this operation will cause machine the tool to prematurely breakdown.**

• **Do not touch the Tie-Wire during the tying work (while the machine is operating)**

Ⓣ Mount the battery pack on the tool's main body until a click is heard. Turn the main switch on. Ⓣ Unlock the trigger before using the tool.

## 2. How to remove the Tie-Wire

• **Be sure to turn the main switch OFF, lock the Trigger, and remove the battery pack.**

- ① Press the release lever, and confirm that the release lever is caught in the release stopper.
- ② Remove the Tie-Wire from the wire guide.
- ③ Slide the Reel stopper to release the reel holder and remove the Tie-Wire.
- ④ Mount the new Tie-Wire. (Refer to the Tie-Wire mounting method explanation.)

## When the Tie-Wire runs out of binding wire

There should be around 12" (300 mm) of the Tie-Wire left at end of the spool. This should be discharged with the old spool and be replaced with a new one.

## 3. Tension adjustment

- ① Be sure to turn the Main switch OFF, to lock the Trigger and detach the Battery pack.
- ② This dial allows you to adjust wire tension torque slightly.  
To increase the tension, turn it in the counter clockwise.  
To decrease the tension, turn it in the clockwise.
- ③ Insert the charged battery pack into the tool until a click is heard.

## 4. When setting the main switch to ON, absolutely do not bring your hand close to the binding part or rotating part of the tip of the tool.

- ④ Set the Trigger Lock to UNLOCK and turn on the main switch.
- ⑤ Test the tool again to check the tie strength.
- ⑥ If the tie strength is not appropriate, repeat procedures ①~⑤

## 5. For proper tightness

- ① Set the tension dial
- ② Apply the tool over the pipe and rebar or wire mesh. Place the top side of the pipe at the top of the arm part. Tie should not dimple or dent pipe. If pipe is dimple or kinked, repair the pipe according to the pipe manufactures recommendations.

## During tool operation

- Do not move the tool during tying operation until the tool stops tying automatically.

## 6. MAINTENANCE

- ① Inspect tool prior to every use  
In order to maintain the performance of the tool, periodically clean up and inspect the tool.
- ② Do not lubricate the equipment

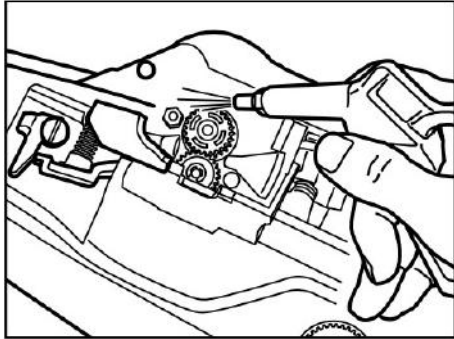
Absolutely do not lubricate this equipment. Applying lubrication will remove the grease inside of the tool, and cause problem on the tool.

③ Clean the feeding mechanism after every use or when needed

In order to maintain the performance of the tool, periodically clean up the mechanism around the feed gear. Using the Air Duster or like, blow the dust and the iron sand off around the feed gear.

## 7. Cleaning Manual

When the machine operates for long hours, dust and wire cuttings may adhere to the cutter section. In such a case, disassemble and clean the machine according to the following procedure.



### Disassembling

- Do not remove the 2 uncoated bolts.
1. Loosen the 2 (plated) hexagon socket head bolts M3 × 6.
  2. Remove arm B and the 2 (plated) hexagon socket head bolts M3 × 6.
  3. Remove the cutter and the fixed cutter, and clean them. (The removable parts are the cutter, fixed cutter, wire guide A and cutter plate unit.)

### Assembling

- Assemble the fixed cutter so that the large hole is set to the rear side and the small hole (long hole) is set to the top side.
4. Put the pin of the cutter plate unit through the cutter con rod hole and assemble the fixed cutter to the unit.
  5. Fit the cutter and assemble wire guide A.
  6. Align the groove of wire guide B attached to arm B with the pipe, and assemble arm B.
  7. Make sure that arm B is securely assembled and tighten the 2 (plated) hexagon socket head bolts M3 × 6.
- Make sure that the outer parts are aligned and the parts are securely assembled without any gap between them.

## 7. STORAGE

Do not store the tool in a cold weather environment. Keep the tool in a warm area. When not in use, the tool should be stored in a warm and dry place. Keep out of reach of children. All quality tools will eventually require servicing or replacement of parts because of wear from normal use.

### REMOVE REEL OF TIE-WIRE

After use, remove the Tie-Wire from the tool when tool is in storage.

### STORE THE TOOL

After use, turn the tool off, lock the trigger, and remove the battery pack. Tool, attachments and accessories should be stored in a well-ventilated dry place where the temperature will not exceed 104°F (40°C). Place the plastic protective battery cover onto the battery pack to prevent a short circuit.

## 8. TROUBLE SHOOTING/REPAIRS

The troubleshooting and/or repairs shall be carried out only by the PEX GUN authorized distributors or by other specialists.

This tool alerts you to the following conditions by means of a warning sound and warning lamp. The warning lamp is illuminated or blinks, and is interlocked with the warning sound. Take a countermeasure according to the following table.

- If any of the following conditions occur, be sure to set the Main switch to OFF before carrying out the countermeasures.
- When setting the Main switch to ON, do not touch the tying part of rotating part of the tool's tip. If the problem is not solved by carrying out the following countermeasures, be sure to set the Main switch to OFF and then contact the dealer where the equipment was purchased.

	Normal Operation	Problem	Warning Sound	Cause	What to Check	Solution
1	Power ON →The Tip Axis is initialized and the wire-cutter operates automatically.	No operation takes place.	No sound emitted.	Dead battery (Completely empty)	Confirm the battery is charged.	Perform normal charge.
				Electrode plate has been oxidized.	Taking out the battery, see if electrode has been browned.	Polish terminal part of battery pack with dry cloth, etc.
			A long beep	Curl guide is left open.	Open/close curl guide	Fully close curl guide.
			Continuous short beeps	Binding wire has been entangled around Twist section.	Turn off power and take out battery to confirm if binding wire has been entangled inside curl guide.	Turning off power, remove binding wire inside curl guide.
			Two short beeps repeated for 10 seconds then power off automatically	Battery is empty.	Confirm the battery is charged.	Perform normal charge.
		The battery pack is inserted when the Main switch is ON.	Make sure to insert the battery pack, only when the Main switch is OFF.	Set the Main switch to OFF, then ON.		
2	Power On →LED lamp is lit. →No operation over 30 minute's →LED lamp goes off. →Although pulling the trigger, no operation takes place.	No operation takes place, although pulling the trigger	A short beep (Pi), (before LED lamp goes off)	Normal operation. (SEEPAGE 21)	Set the Maim switch to OFF, then ON.	Set the Main switch to OFF, then ON.
3.	Trigger ON →Wire sent out.	No sending of wire takes place.	A long beep	Curl guide is left open.	Open/close curl guide	Fully close curl guide.
			Three short beeps repeated	Tie-Wire has been run out.	Check if the Tie-Wire has been run out or not.	Set the new Tie-Wire.
				Wire caught inside reel.	Check if wire inside reel has been loosened and caught.	Remove fray on reel.
				Cutter section is blocked with foreign substance.	Confirm functioning of Cutter section.	Either wipe Cutter section with dry cloth or blow it with air.
			Five short beeps	Motor has been heated.	Warning sound does not go continuously. It occurs only when trigger is pulled.	Halt Machine and cool it down.
3	Trigger ON →Wire sent out.	Sending of wire is stopped halfway.	Four short beeps repeated	Tie-Wire is not set in the tool.	Check if the Tie-Wire has been set in the tool.	Set the Tie-Wire.
				Binding wire not of designated types has been used.	Confirm reel side face.	
			Three short beeps repeated	Binding wire has been entangled inside reel.	Confirm reel winding	Remove fray on reel.

4	Binding wire draws a circle.	Curl is disordered and steps out of curl guide.	No sound emitted.	Wire, by hitting Reinforcing bars, was repelled.	Check if wire hits Reinforcing bars at binding.	Pay attention so that wire does not hit Reinforcing bars at binding.
<b>No.</b>	<b>Normal Operation</b>	<b>Problem</b>	<b>Warning Sound</b>	<b>Cause</b>	<b>What to Check</b>	<b>Solution</b>
5	Wire is subject to cutting.	No wire cutting takes place.	No sound emitted.	Cutter section is blocked with foreign substance.	Confirm function of Cutter section.	Either wipe Cutter section with dry cloth or blow it with air.
6.	Wire twisting takes place.	Wire gets entangled.	No sound emitted.	Wire, by hitting Reinforcing bars, was re-pelted.	Check if wire hits Reinforcing bars at binding.	Pay attention so that wire does not hit Reinforcing bars at binding.
			A short beep and a long beep, repeatedly.	Binding wire has been entangled around Twist section.	Turn off power and take out battery to confirm if binding wire has been entangled inside curl guide.	Turning off power, remove binding wire inside curl guide.
		Binding power is weak.	No sound emitted.	Reinforcing bars is not of designated size.	Confirm size of Reinforcing bars to be bound.	Use appropriate diameter scope.
				Erroneous handling such as improper application on Machine.	Confirm how to apply Machine to Reinforcing bars.	Turning Torque dial in + and inserting in vertical direction, use as tilting at 45°.
				Function of curl guide switch	Check if curl guide is left open at binding.	Do not operate Machine until binding is completed.
		Twisting-off takes place.	No sound emitted.	Reinforcing bars is not of designated size.	Confirm size of Reinforcing bars at binding.)	Use appropriate diameter scope.
				Erroneous handling such as improper application of Machine.	Confirm how to apply Machine to Reinforcing bars.	Turning Torque dial in (minus) and inserting in vertical direction, use as tilting at 45°.
		Works properly	Two short beeps.	Low power remains in the Battery pack.	Confirm the battery is fully charged.	Perform normal charge after the tying speed" slows down considerably.
The tool is used at low temperature.	Check the temperature at the job site.				Leave the tool and the battery pack at normal temperature in the room 'or some time, and then continue the operation.	

## Quick Reference Guide

Before you use the PEX GUN, read this manual carefully.

### **Making A Wire Tie to PEX or PEX-AL-PEX Pipe:**

We recommend that you keep the tension/wire tie dial between 3 and # 6 setting. For a snug wire tie, make sure that the pipe and rebar wire mesh is placed completely into the inside of the Arm.

**Changing the Wire Spool:** Before installing a coil of wire, turn the tool to the OFF position and then remove the battery. Open the wire gate, PRESS the gear release button and insert the wire coil into the chamber. Lock the gate and then remove the tape from the wire coil. Don't allow the wire to uncoil and spin in the wire chamber because it may get tangled. Proceed to cut off about 1" of wire and then slowly feed the wire into the tool until it flows out of the nose of the Arm. Press the gear release so that it grips the wire. The tool is now ready for use.

**Wire:** The PEX GUN has arrived with a test wire spool installed in the tool for testing prior to shipment. Only use the PEX GUN wire made for this product. Alternative wire ties will damage the gear shaft and ruin the tool and will void the warranty. When changing the wire spool, use a wire cutter to cut off bent wire. Make sure that a 5" straight piece of wire is inserted into the wire guide. Push the wire through the guide and lock the gears. Make sure that the wire spool sits in the wire cradle properly and that the latch is locked.

**Tool Jams:** If the wire gets tangled in the Arm, turn the tool off and remove the battery. Proceed to remove the wire with your wire cutter. Proceed with standard operating procedure as stated in this manual.

**Battery Charge:** Always charge your batteries fully before first use. In general, it's best that you let the battery completely drain before recharging to increase longevity of the battery. Typical charge takes about an hour or when the green light displays on the charger. Charge batteries using 110 V AC power only. The power charger is not designed to be used with a power generator.

When the tool is in not being used, disconnect the battery and place the plastic battery boot onto the battery stem.

The PEX GUN will make approximately 1000 ties per battery charge. One full battery charge should allow installation of about 3000 ft of PEX pipe. See operational manual for additional information.

Be sure that front of the machine arms are clear from objects to prevent the wire from jamming the tool. Lift the wire mesh off the ground and then tie the PEX.

Please call us at (773) 799-0722 if you should have any questions.

### **Limited Warranty**

PEX GUN warrants the product to be free from defects in material and workmanship under normal use for up to a period of (6) months from the date of original purchase. If this product should prove to be defected in materials or workmanship within the warranty period, PEX GUN will at its sole discretion repair it or replace any defective part or parts.

Any replacement part provided will carry a warranty for the balance of the period of warranty applicable to the part it replaces. The following parts are considered normal wearing parts and are not under this warranty: outer case, trigger, bumper, gears, motors, wire guide, cutter, twister, battery pack and battery charger.

For an evaluation of whether a defect covered by this warranty exists, and to obtain warranty service, you must take the product to a retailer or dealer where it was purchased, or deliver the complete product, transportation prepaid, to a PEX GUN authorized service centre, together with proof of purchase.

## **Warranty Exclusions**

This warranty does not cover defects or damages caused by or resulting from accident, misuse, abuse, neglect (for instance, neglect the maintenance in operational manual), improper maintenance, or normal wear and tear. This warranty is valid only if all instructions contained in the operational manual are followed with care. This warranty also does not apply where repairs have been made or attempted by anyone other than PEX GUN and its authorized service centres; alterations have been made to the product using parts that do not meet PEX GUN specifications, size or quality; or the products has used continuously despite partial failure.

THE WARRANTY PROVIDED HEREIN IS LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. AMIGO OR ITS AFFILIATES SHALL NOT BE LIABLE FOR ANY SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT.

Some states do not allow limitation on how long an implied warranty lasts, or allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## **Product Repair Instructions**

Contact us at [info@pexgun.com](mailto:info@pexgun.com) to request a return merchandise authorization (RMA) number for returning the product for repair. Please include contact information (company name, address, contact name, phone number, email and original invoice) with the product. Once product has been evaluated you will be notified of the repair time frame. A minimum \$25 shipping/handling fee is charged for tool inspection and return freight. If your tool is to be determined as non-warranty, you will be provided with repair options and cost. Please allow up to 30 days.

The specifications and design of the products in this operation manual will be subject to change without advance notice.

### **PEX GUN**

[info@pexgun.com](mailto:info@pexgun.com) [www.pexgun.com](http://www.pexgun.com)

Manual 140907-2

### **Authorized Dealer**