

# PNEUMATIC BATTERY LUG CRIMPING MACHINE INSTRUCTION

Model No.: AM-240  
 Crimping Range: 16-240mm  
 Working Pressure: 102-138 psi (0.7-0.95MPa)  
 Output Force: 10T  
 Length/Width: 55cm/20cm  
 Weight: 22Kg



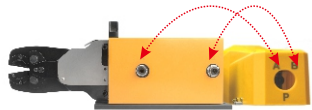
## Packing List

Part Name	Main Body (pcs)	Pedal Control (pcs)	Air Tube (pcs)	Spare Parts (pcs)
				Quick Connector
Quantity	1	1	3	2

## Crimping Jaws

B type	
Point type	
Hexagon type	

## Installation



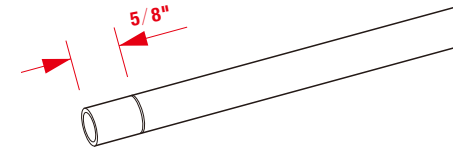
- Before installing the followings, please turn off supply air.
  - Use air tube A to connect adaptor A (tool body) to adapter A (Pedal control)
  - Use air tube B to connect adaptor B (tool body) to adapter B (pedal control)
  - Use air tube P to connect adapter P (tool body) to air compressor
  - Please ensure air tube and quick adapters are inserted completely



- After installing air tube, turn on supply air.  
**(Caution: Do not touch the jaws!)**

\*When you turn on supply air, if the jaws open, the connections are correct  
 \*When you turn on supply air, if the jaws close, the connections are incorrect  
 \*Please reverse air tubes A and B between adaptors A and B on tool body

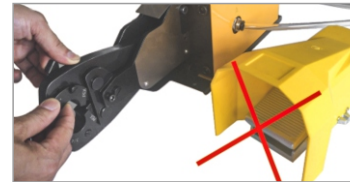
# PNEUMATIC BATTERY LUG CRIMPING MACHINE INSTRUCTION



- To remove air tube due to wrong connections, push down black plastic ring at quick connector, pull out the tube.

- After removing air tube a few times, cut off about 5/8" (as shown above) before reinserting the tube into quick adaptor.

## Change Jaws



- Warning:**  
Do not touch pedal control during changing jaws!

- Open the hook.

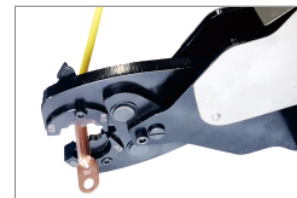


- Push up the pin, and remove the jaws.

- Push up the pin, change jaws, and lock the hook.

## Operation

(NOTE: for safety, please operate the tool by ONE person only)



- Position the pre-assembly wire into the jaw.
- Touch pedal control by foot to complete crimping
- Remove your foot from pedal control after the jaws closed completely.

## SAFETY INSTRUCTION

- Do not touch pedal control when your hands are touch the jaws
- Turn off supply air after working and when doing maintenance.
- For safety reason, the machine shall be operated by one person (adult) only.

# PNEUMATIC BATTERY LUG CRIMPING MACHINE INSTRUCTION

Model No.: AM-70  
 Crimping Range: 4-700mm  
 Working Pressure: 102-138 psi (0.7-0.95MPA)  
 Output Force: 6T  
 Length/Width: 55cm/15cm  
 Weight: 12Kg



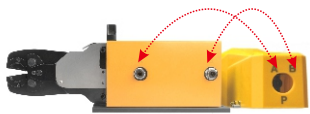
## Packing List

Part Name	Crimping Machine	Pedal Control	Air Tube
Quantity(pcs)	1	1	2

## Crimping Jaws

B type	
Point type	
Hexagon type	

## Installation



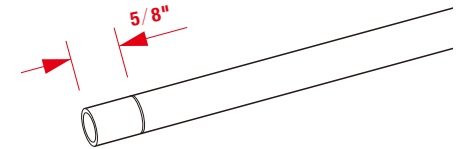
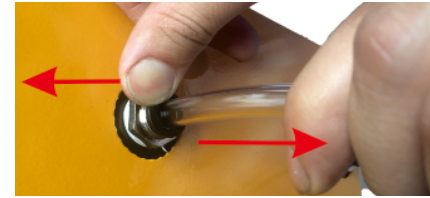
- Before installing the followings, please turn off supply air.
  - Use air tube A to connect adaptor A (tool body) to adapter A (Pedal control)
  - Use air tube B to connect adaptor B (tool body) to adapter B (pedal control)
  - Use air tube P to connect adapter P (tool body) to air compressor
  - Please ensure air tube and quick adaptors are inserted completely



- After installing air tube, turn on supply air.  
**(Caution: Do not touch the jaws!)**

\*When you turn on supply air, if the jaws open, the connections are correct  
 \*When you turn on supply air, if the jaws close, the connections are incorrect  
 \*Please reverse air tubes A and B between adaptors A and B on tool body

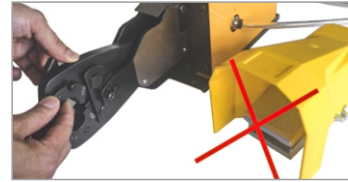
# PNEUMATIC BATTERY LUG CRIMPING MACHINE INSTRUCTION



- To remove air tube due to wrong connections, push down black plastic ring at quick connector, pull out the tube.

- After removing air tube a few times, cut off about 5/8" (as shown above) before reinserting the tube into quick adaptor.

## Change Jaws



- Warning:**  
Do not touch pedal control during changing jaws!

- Open the hook.

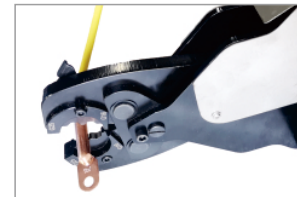


- Push up the pin, and remove the jaws.

- Push up the pin, change jaws, and lock the hook.

## Operation

**(NOTE: for safety, please operate the tool by ONE person only)**



- Position the pre-assembly wire into the jaw.
- Touch pedal control by foot to complete crimping
- Remove your foot from pedal control after the jaws closed completely.

## SAFETY INSTRUCTION

- Do not touch pedal control when your hands are touch the jaws
- Turn off supply air after working and when doing maintenance.
- For safety reason, the machine shall be operated by one person (adult) only.

# PNEUMATIC WIRE ROPE CRIMP MACHINE INSTRUCTION

Model No.: AM-116  
 Crimping Range: 1/16", 5/64", 3/32", 7/64", 1/8", 5/32", 3/16",  
 Working Pressure: 102-138 psi (0.7-0.95MPa)  
 Output Force: 6T  
 Length/Width: 55cm/15cm  
 Weight: 13Kg



## Packing List

Part Name	CRIMPING MACHINE	Pedal Control	Air Tube(pcs)	Substitutive Joints	Storage Case
Quantity(pcs)	1	1	2	2	1

Hole NO.	swage size	
	φ (mm)	φ (inch)
①	1.58	1/16
	2.00	5/64
②	2.50	3/32
	2.80	7/64
③	3.17	1/8
	3.50	
④	4.00	5/32
⑤	5.00	3/16



# PNEUMATIC WIRE ROPE CRIMP MACHINE INSTRUCTION

## Installation



1. Before installing the followings, please turn off supply air.
  - 1). Use air tube A to connect adaptor A (tool body) to adapter A (Pedal control)
  - 2). Use air tube B to connect adaptor B (tool body) to adapter B (pedal control)
  - 3). Use air tube P to connect adapter P (tool body) to air compressor
  - 4). Please ensure air tube and quick adapters are inserted completely

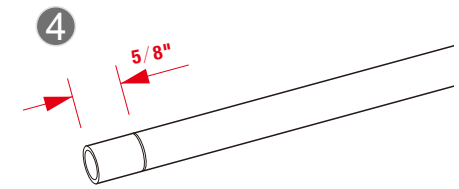


2. After installing air tube, turn on supply air.  
**(Caution: Do not touch the jaws!)**

\*When you turn on supply air, if the jaws open, the connections are correct  
 \*When you turn on supply air, if the jaws close, the connections are incorrect  
 \*Please reverse air tubes A and B between adaptors A and B on tool body



3. To remove air tube due to wrong connections, push down black plastic ring at quick connector, pull out the tube.



4. After removing air tube a few times, cut off about 5/8" (as shown above) before reinserting the tube into quick adaptor.

## Operation

(NOTE: for safety, please operate the tool by ONE person only)



## SAFETY WARNING

1. Do not touch pedal control when your hands are touch the jaws
2. Turn off supply air after working and when doing maintenance.
3. For safety reason, the machine shall be operated by one person (adult) only.

Choose correct slot and position the sleeve perpendicular over the crimper. Touch pedal control by foot until they are fully closed

# Battery Lug Crimping Tools

Dieless & Rotating Die Styles  
Hexagonal Profile

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# IWISS PNEUMATIC CRIMPING TOOLS

## 1. INTRODUCTION

IWISS AM-Series pneumatic tools are heavy-duty & air-powered machines which crimp battery lugs of various sizes with optional crimp profiles. The tools are either bench mountable or portable and operates off of standard shop air pressure (102 to 138 psi). This instruction sheet provides instructions for head installation and removal, crimping procedure, maintenance and inspection. Read these instructions thoroughly before installing the crimp jaws and using the tools.

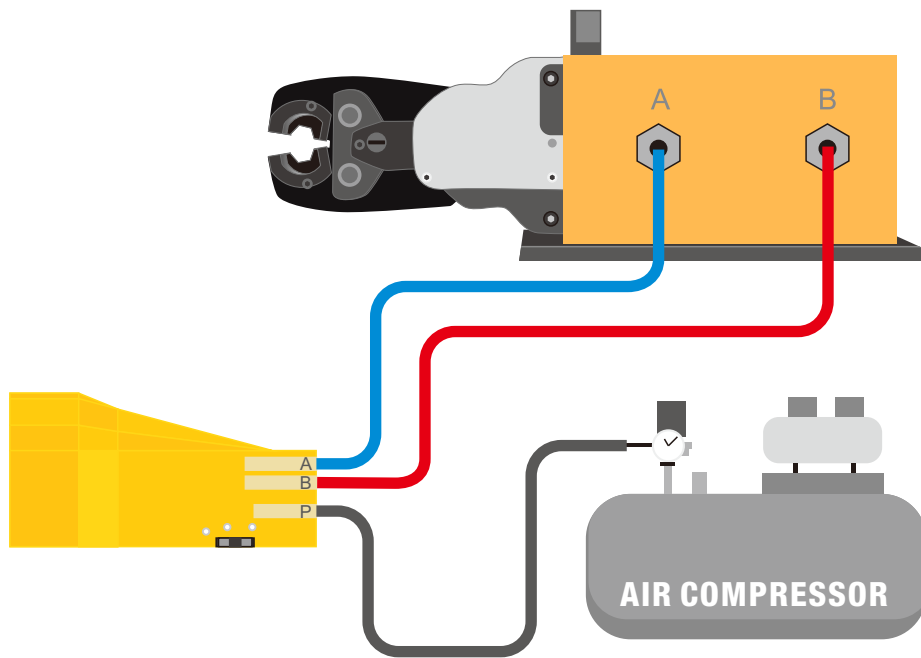
## 2. DESCRIPTION

Each pneumatic crimping head has two integral pieces. After the operator locates the terminal or splice between the jaws and inserts the stripped wire, the tool is activated to crimp the connector to the wire.

## 3. TOOL PREPARATION

Connect the tool to a dry air source. Air pressure requirement is 102 to 138 psi (0.7-0.95 MPa).

Note: It is recommended that each tool be set up with a regulator and a filter.



## 4. WIRE PREPARATION

Wire should be stripped to proper length. Care should be taken not to cut or damage any strands of the wire. Wire must be clean and free of contaminants and oxidation.

## 5. JAW CHOOSING

AM-240 Crimping Jaws

unit: mm<sup>2</sup>

B CRIMP							
INDENT CRIMP							
HEXAGONAL CRIMP							
		6/10	10/16	25	35	50	70
		6/10	16/25	35	50	70	
		16/25	6/50	10/35	70-95	95-120	120-150
		150-185	185-240	240-300			

AM-70 Crimping Jaws

unit: mm<sup>2</sup>

B CRIMP							
INDENT CRIMP							
HEXAGONAL CRIMP							
		6/10	10/16	25	35	50	70
		6/10	16/25	35	50	70	
		10/35	16/25	6/50	70-95		

## 6. CRIMPING OPERATION

Place a contact in the crimp nest and place a properly prepared wire of the correct size into the wire barrel. Slightly press the foot-operated switch, the crimping process will begin. Release the switch, the crimped wire can be removed.

## 7. DAILY MAINTENANCE

Each operator should be responsible for the following steps of daily maintenance:

1. Remove dust, moisture, and other contaminants with a clean, soft brush, or a lint-free cloth. DO NOT use objects that could damage the crimping head.
2. Make sure that all pins, rings, and other components are in place and secure. To avoid personal injury and damage to the crimping head or tool, make sure the quick pins are FULLY tightened before connecting the air supply to the tool.
3. Make certain all surfaces are protected with a thin coat of any good grade SAE 20 motor oil. DO NOT oil excessively.
4. When the crimping head is not in use, store it in a clean, dry area.