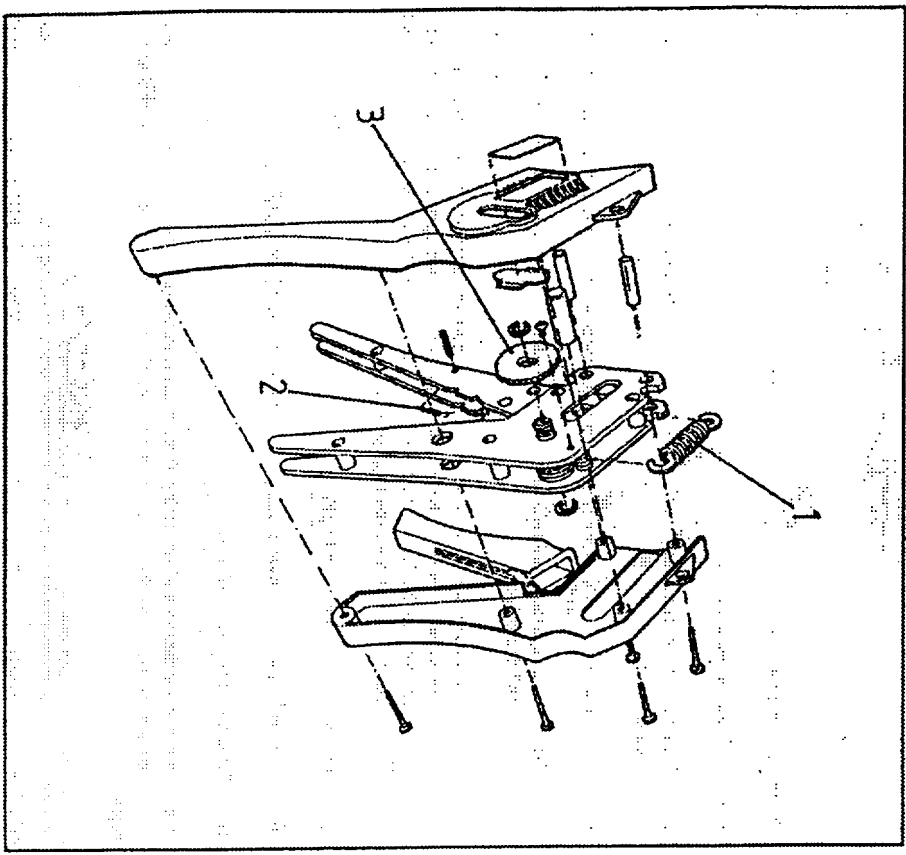


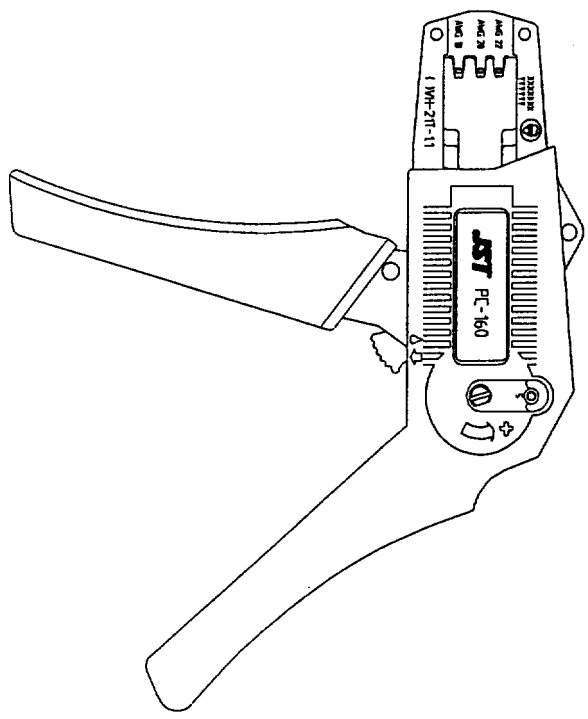
630-512

# SPARE PARTS RECOMMENDATION PARALLEL ACTION HAND TOOL

<u>Item</u>	<u>Part Number</u>	<u>Description</u>
1.	4100-0029A	Main spring
2.	4100-0018	Ratchet spring
3.	4100-3200	Adjuster wheel



# INSTRUCTION MANUAL FOR JST CRIMP TOOL PC-160



# JST Crimp Tool PC-160

## Operating procedure.

1. Select correct crimp aperture for the wire and terminal in use.
2. Hold terminal in left hand and position the terminal , from the rear of the tool, with its back against the selected anvil (fixed portion of die).
3. Close the handles one click on the ratchet. The terminal is now held in correct position.
4. Take wire stripped to the correct length and place in the crimp zone of the terminal.
5. Open tool and remove crimp. Check crimp heights against specification at JST recommended intervals.

## Maintenance Procedure

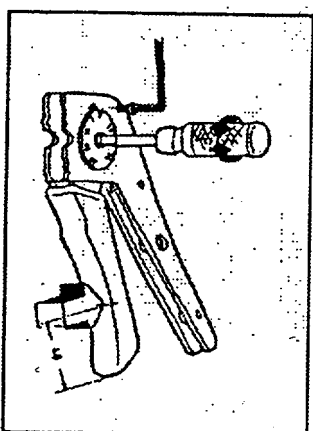
1. Remove the 5 cover screws.
2. Remove the plastic handles from the metal tool frame by pulling apart.
3. Clean and remove all foreign matter.
4. Lightly oil all moving parts using SAE 20 or equivalent.
5. Inspect both springs for damage.
6. Re-assemble tool and perform a test crimp.
7. Check crimp against specification. If necessary adjust tool using the following calibration procedure.

## CRIMP SPECIFICATION (see also product spec. 50394)

WIRE		CRIMP HEIGHT (MM)	
TYPE	SIZE	WIRE	INS-UL
UL 1007	#22	1.05±0.05	2.3
UL 1007	#20	1.10±0.05	2.4
UL 1007	#18	1.15±0.05	2.6

WIRE STRIP LENGTH : 2.7 MM

## CALIBRATION PROCEDURE (Handle Force)



1. Operating force should be set to  $175\text{ N} \pm 25\text{ N}$  at point shown.
2. Should adjustment be necessary then;
  - a) Remove adjuster cover (if fitted) and loosen and remove allen grub screw using a 2 mm AF allen wrench.
  - b) Using a screwdriver turn the numbered adjustment wheel to the next highest number.
- NB The uneven numbers are in a clockwise direction and the even numbers anticlockwise.
  - c.g. Assuming the tool is set at No. 5, then to increase the preload, turn wheel clockwise until the 6th position is located over the tapped hole. If it is necessary to move to the 7th position, then the wheel should be turned anticlockwise until the 7th position is over the tapped hole.
  - c) Refit allen grub screw and tighten.
  - d) Re-check operating forces as in 1, and repeat step 2, if necessary.
  - e) Refit adjuster cover (if fitted).
3. If adjuster is at maximum and operating force measurement is below that as specified, then tool has completed its useful working life i.e. minimum 50,000 crimp cycles, and the tool should be replaced.