

HOLLINGSWORTH



Operating Instructions

H6E - Ratchet Hand Tool

H28-6E Portable Air Tool



HOLLINGSWORTH



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TOOL WARRANTY

Electro-Term/Hollingsworth tools are warranted to be free from defects in material and workmanship under normal use and service. This warranty does not cover defects or damage arising from improper installation, lack of or improper maintenance, improper storage, shipping and handling, or ordinary wear and tear, misuse, abuse, accident, unauthorized service, or use with unauthorized products or parts.

Our obligation under this warranty is limited to the replacement of the product. We are not bound by any other warranty, expressed, implied, or statutory. Under no circumstances are we liable for any loss, damage, expenses, or consequential damages of any kind arising out of the use or inability to use these products. All are sold with the understanding that the user will test them in actual use and determine their adaptability for the intended uses.

TOOL POLICY

A One-Year parts and labor guarantee shall be extended on all hand ratchet and pneumatic tools. Tooling must be sent back to Electro-Term/Hollingsworth for all repairs, recalibrations, and recertification.

Operating Instructions - 956211

H6E Ratchet Hand Tool

H28-6E Portable Air Tool

Description

H6E The H6E Ratchet Hand Tool is a butting tool equipped with a ratchet mechanism that ensures a full cycle crimp. Upon completion of the crimp, the ratchet will release, allowing the tool to open.

H28-6E The H28-6E Portable Air Tool is also a butting tool, similar to the H6E. Clean, dry lubricated air at a pressure of 85-100 p.s.i. should be supplied to the tool through a hose terminating in a 1/8" NPT female fitting.

A slide-in safety latch is provided to lock the air valve trigger bar in the safe position when the tool is not in use.

Either hand-held or bench-mounted operation is possible. When hand held, a trigger (handle) bar is pressed to crimp. When bench mounted, a remote control foot pedal is used instead of the trigger bar.

Terminal Locator

Both the H6E and the H28-6E come equipped with a swing-away locator and elastomer gripper to assist in correctly positioning terminals for crimping.

Directions for use of the locator are provided in Crimping Procedure, page 2.

Product Application

The H6E Ratchet Hand Tool and the H28-6E Portable Air Tool are used to crimp the following parts:

12-10 AWG Fixed Insulated Terminals (FIT): ring and spade tongue terminals, butt and parallel splices, Slip-On (SO) quick disconnects, and piggyback SO quick disconnects.

12-10 AWG Funnel Fixed Insulated Insulation Grip (FFIIG): ring and spade tongue terminals, SO disconnect terminals, piggyback SO quick disconnects, window butt connectors, and knife disconnects.

16-14 AWG FIT Heavy Duty Terminals.

16-14 AWG FFIIG Heavy Duty Terminals.

Stripping Recommendations

Strip Length Table

Terminals	Strip Length $\pm 1/32$ "
12-10 FIT and FFIIIG Terminals, Slip-Ons, Knife Disconnects, and Piggyback Slip-Ons	7/16"
12-10 FIT Butt Connectors	13/32"
12-10 FFIIIG Window Butt Connectors	13/32"
12-10 FIT Parallel Connectors	3/8"
16-14 Heavy Duty FFIT, FFIIIG Terminals	7/16"

Crimping Procedure for Ring and Spade Terminals

- H6E Locate the terminal according to the Positioning Instructions (Fig. 1) and insert the stripped end of the wire into the terminal barrel to the wire stop. While holding the wire in place, and without changing the terminal position, crimp the terminal by closing the tool handles completely until the ratchet disengages, allowing removal of the crimped terminal.
- H28-6E Position the terminal and insert the wire to the wire stop, same as H6E above. While holding the wire in place, make the crimp by pressing the trigger bar. Release the bar to open the tool for removal of the crimped terminal.

Crimping Procedure for Knife Disconnects

- H6E Locate the terminal according to the Positioning Instructions (Fig. 2) and insert the stripped end of the wire into the terminal barrel to the wire stop. While holding the wire in place, and without changing the terminal position, crimp the terminal by closing the tool handles completely until the ratchet disengages, allowing removal of the crimped terminal.
- H28-6E Position the terminal and insert the wire to the wire stop, same as H6E above. While holding the wire in place, make the crimp by pressing the trigger bar. Release the bar to open the tool for removal of the crimped terminal.

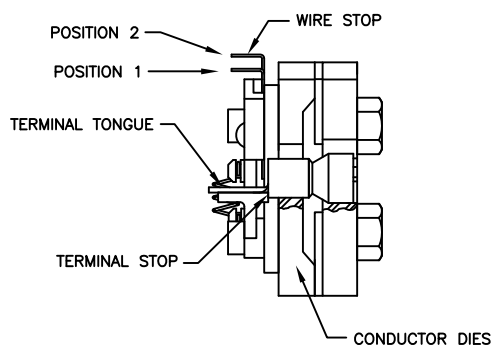


FIG. 1

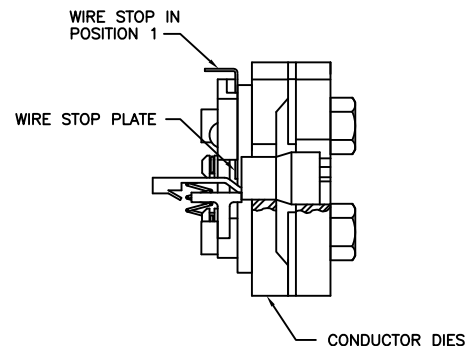


FIG. 2

Crimping Procedure for Butt and Parallel Connectors

H6E Swing the terminal locator to the right and locate the connector according to the Positioning Instructions (Figs. 3, 4, & 6) and release the locator.

Butt Connector: Insert the stripped end of the wire to the wire stop inside the connector (Fig. 3, 5 & 6).

Parallel Connector: Insert the stripped end of the wire into the barrel, one from each end. The stripped wire ends are to overlap and lay side by side (Fig 4).

Without changing the connector position, hold the wires in place and complete the crimp.

H28-6E Position the connector and insert the stripped wire the same as for the H6E. Complete the crimp by pressing the trigger bar. Release the bar to open the tool for removal of the crimped connector.

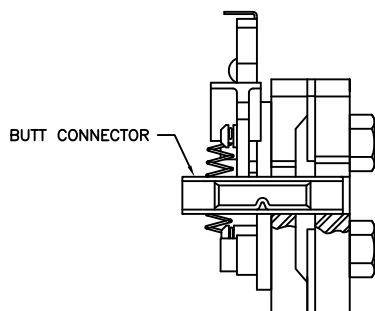


FIG. 3

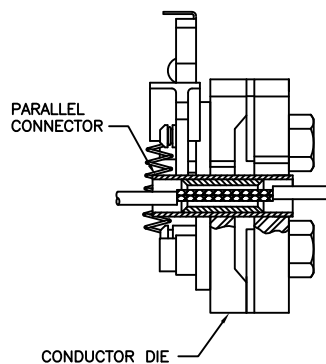


FIG. 4

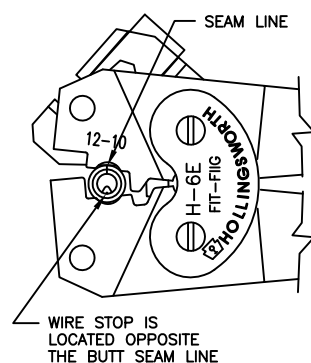


FIG. 5

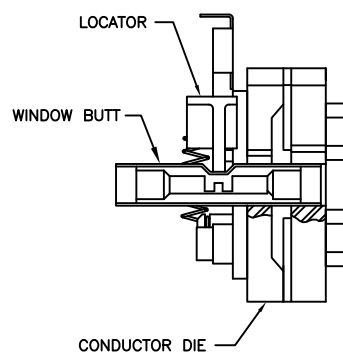


FIG. 6

Crimping Procedure for Piggyback Connectors

- H6E Set the wire stop in Position 2 as shown in Fig. 7. Insert the connector with the roll form lying to the terminal stop (male tab on top) and the barrel against the terminal stop. Insert the stripped end of the wire into the barrel until it touches the wire stop inside the connector. Hold the wire in place and crimp. The crimp cycle is the same as in the other configurations.
- H28-6E Set the wire stop and insert the connector the same as for the H6E. Crimp by pressing the trigger bar. Release the trigger bar to open the toll for removal of the crimped connector.

Crimping Female Slip-On (FSO) Funnel FIT and Funnel FIIG Disconnects

- H6E/H28-6E Set the wire stop in Position 2 as shown in Fig. 8, and insert the connector with the back, or flat part of the roll form on the terminal stop. Insert the stripped end of the wire to the wire stop in the connector and proceed with crimping as previously described.

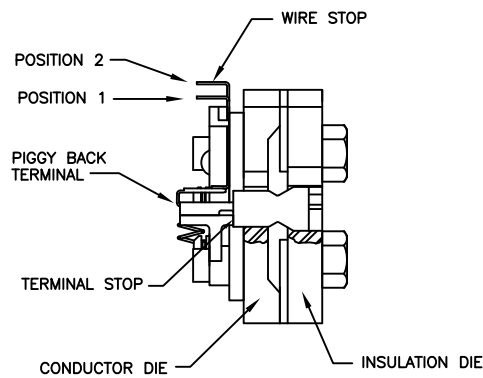


FIG. 7

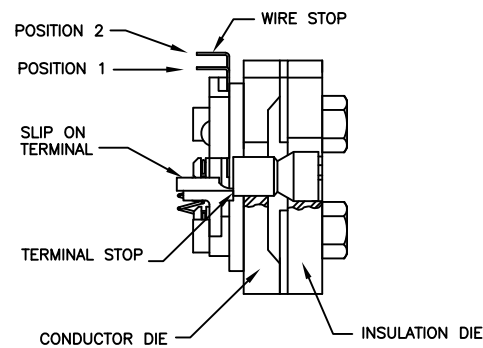


FIG. 8

Crimping Fully Insulated Slip-On (FISO) Disconnects

The wire stop can be in either position.

1. To insert the connector, swing the terminal locator to the right. Insert the connector and release the terminal locator to hold the connector in place.
2. Position the connector in the nest, as shown in Fig. 9. The crimp cycle remains the same as other configurations.

3A. H6E

Insert the stripped end of the wire until it touches the wire stop inside the connector. Without changing the connector position, hold the wire in place and make the crimp by closing the handles completely. This disengages the ratchet, allowing the tool to open for removal of the crimped connector.

3B. H28-6E

Insert the stripped end of the wire until it touches the wire stop inside the connector. Without changing the connector position, hold the wire in place and make the crimp by pressing the trigger bar. Release the trigger bar to open the jaws for removal of the crimped connector.

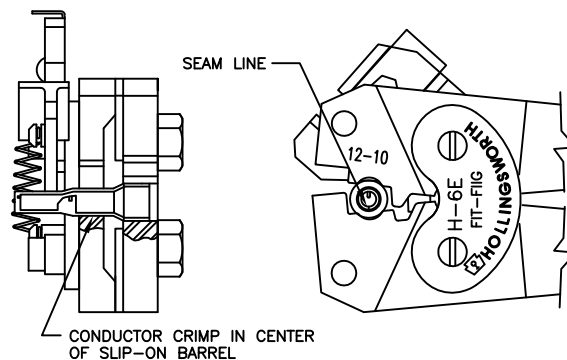


FIG. 9

Maintenance

Lubricate all pins and pivot points every 4,000 to 5,000 crimps. Use a silicone or graphite based grease or any good grade S.A.E. No. 20 motor oil.