

H20 - Rotary Nest Hand Crimping Tool



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

FOR

HOLLINGSWORTH

H20 ROTARY NEST

HAND CRIMPING TOOL

APPLICATION

H20N Female NIT Die

This Die, when used in conjunction with the H20M Male Die, will install non-insulated terminals, butt and parallel splices on #8 through #2 AWG wire.

H20F Female FIT Die

This Die, when used in conjunction with the H20M Male Die, will install insulated terminals, butt and parallel splices on #8 through #2 AWG wire.

H20M Male Indentor Die

This Die, when used in conjunction with H20N and H20F Dies, will install insulated and non-insulated terminals, butt and parallel splices on #8 through #2 AWG wire.

956210

Stripping Recommendations:

TERMINALS AND BUTT SPLICES

8 AWG Strip wire 3/8"
6 AWG Strip wire 1/2"
4 AWG Strip wire 1/2"
2 AWG Strip wire 5/8"

PARALLEL SPLICES

10 AWG	Strip wire 1/2"
8 AWG	Strip wire 1/2"
6 AWG	Strip wire 5/8"
4 AWG	Strip wire 3/4"

Die Set Up:

Install Male Indentor Die as follows:

- a) Remove Pin A.
- b) Remove Pin D by removing (1) retaining ring first.
- c) Insert Male Indentor Die in ram as shown in Figures 1 and 2.
- d) Insert Pin D and replace (1) retaining ring.
- e) Rotate Indentor Die to desired Indentor location. Insert Pin A.

The user may, with the aid of two interchangeable Female Die turrets, set up the tool to crimp either NIT or FIT terminals in the wire range of 8 through 2 AWG.

Setting Up the Tool to Crimp Non-Insulated Terminals (NIT):

Remove both quick release Pins B and C from the head of the tool. See Fig. 1. To do this, pull steadily on the ring, twisting the pin back and forth while doing so to ease the removal of the pin.

Move the Male Die turret out of the way by lifting the handle to its extreme position. Slit the Female NIT die turret, Part No. H20N, into the head clevis with markings on the same side as those shown on the Male Die turret, Part No. H20M. Insert Pin C.

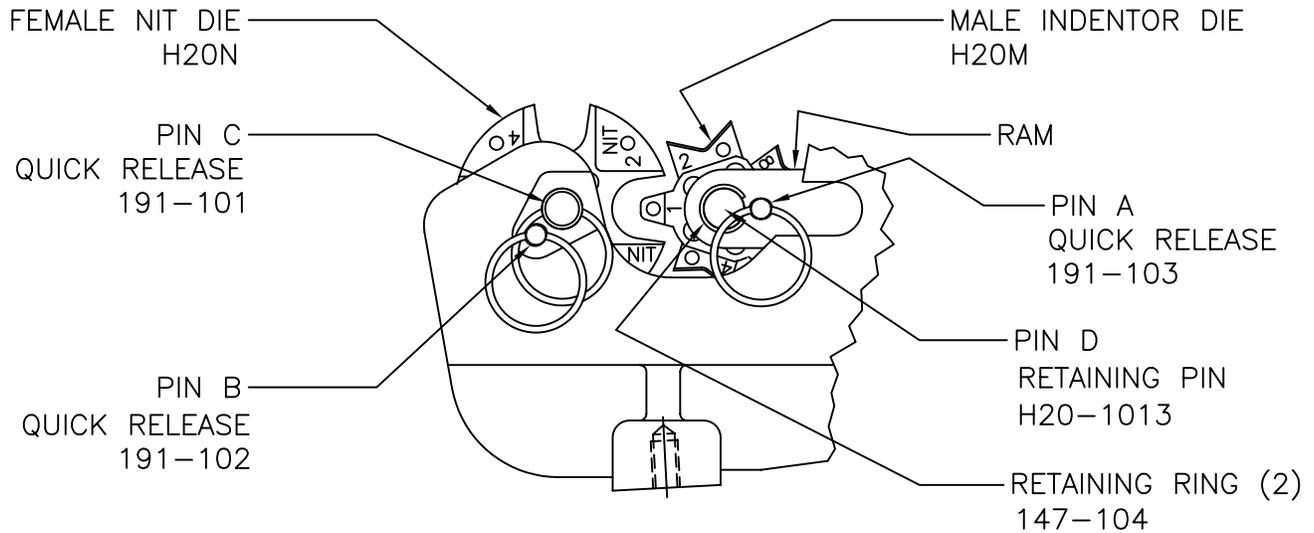
Remove the quick release Pin A to allow the Male Die turret to rotate freely. Position the Indentor with the white spot in the horizontal position and replace Pin A. NOTE: Only one Male Indentor is used on all wire sizes 8 through 2 AWG for non-insulated terminals.

When replacing a quick release pin, be sure to insert the pin so that the spring-loaded ball protrudes beyond the assembly.

Rotate the NIT Female Die turret to the desired nest. Replace Pin B as shown in Fig. 1. NOTE: Pin B is inserted through the right of Pin C in order to avoid interference between the ring of Pin C and the terminal in the crimping nest.

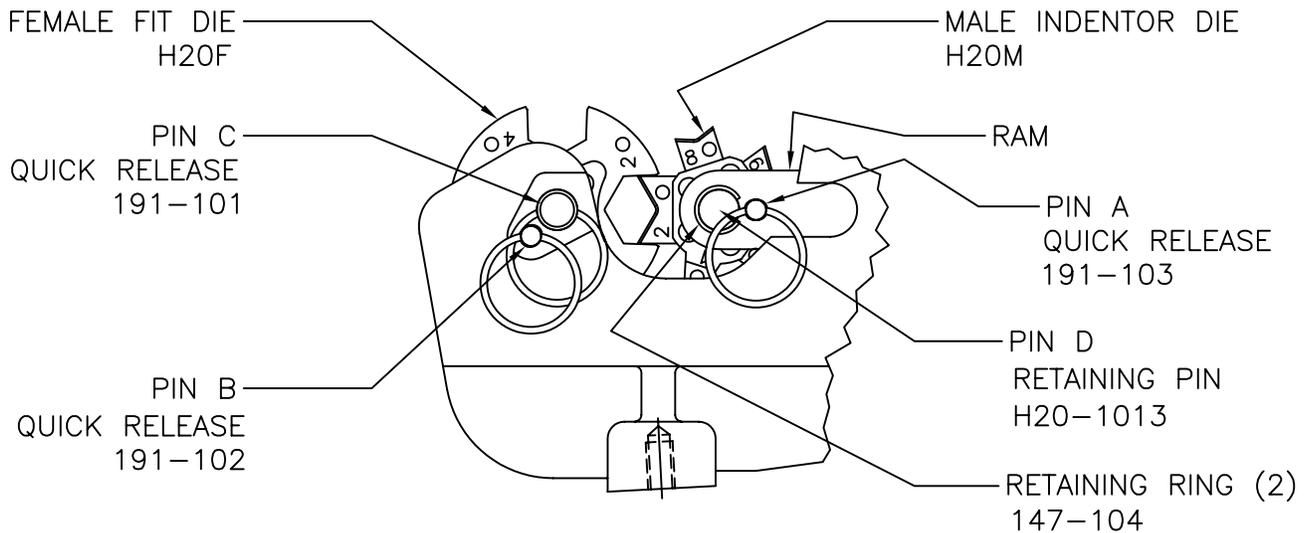
H2O CRIMPING TOOL

FIG. 1



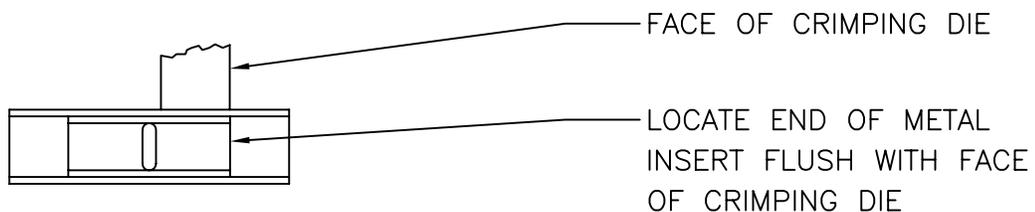
NON-INSULATED TERMINALS (NIT) DIE

FIG. 2



FIXED INSULATED TERMINALS (FIT) DIE

FIG. 3



Recommended Crimping Procedure:

Lift handle and locate connector as follows:

Terminals and Parallel Splices: Locate centrally in Female Nest, with terminal barrel toward Male Die.

Butt Splices: Locate end of butt flush with face of Female Nest.

Setting Up Tool to Crimp Fixed Insulated Terminals (FIT):

Remove both Pins B and C from the head of the tool. See Fig. 2.

Move the Male Die turret out of the way by lifting the handle to its extreme position.

Slide the Female FIT Die turret, Part No. H20F, into the head clevis with the markings on the same side as those visible on the Male Die turret, Part No. H20M. Insert Pin C.

Extract Pin A to allow the Male Die turret to rotate freely. Position the required size nest on the Male Die turret and replace Pin A. Rotate the Female Die turret to the corresponding nest and lock the turret in position by inserting Pin B. NOTE: Pin B is inserted through the ring of Pin C in order to avoid interference between the ring of Pin C and the terminal in the crimping nest.

Recommended Crimping Procedure:

Lift handle and locate connector as follows:

Terminals: Locate edge of insulation on tongue end flush with face of Female nest and with barrel side toward the Male die turret.

Parallel Splices: Locate centrally in the Female nest.

Butt Splices: Locate as shown in Fig. 3.

Depress handle until it bottoms out against the stop. Lift handle to remove the crimped connection.

Caution: It is important to double-check each time a new size of terminal nest is selected to insure that Male and Female nests are identical in wire size and color code. Improper connections and damage to the Die turrets will result if Male and Female Die turrets are not mated and properly aligned.

The tool has been adjusted at the factory for optimum crimping performance. Do not disturb the stop screw between the handles – it controls the gaging of the tool.