

NE714QA TOOL

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1. GENERAL

1.01 This section covers the description and use of the NE714QA Tool which is used to terminate conductors on the 66 Type Connecting Blocks, except those used in E.S.S. C.O.'s.

1.02 This section is reissued to add Part 4.

1.03 The NE714QA Tool replaces the 714B which should be returned for replacement. The blade may be rotated to the desired position by loosening holding screw and pulling out blade. When desired position is reached, the blade must be pushed back into handle before tightening screw, otherwise movement of the blade while operating may take place.

2. DESCRIPTION

2.01 The NE714QA Tool consists of a rotary steel blade having two cutting heads and two seating heads, attached to a yellow and green plastic handle.

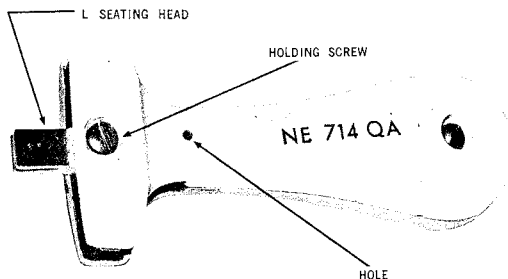


Fig. 1 — NE714QA Tool

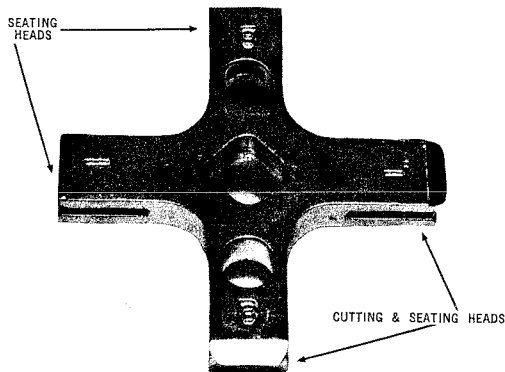


Fig. 2 — Rotary Steel Blade

2.02 The blade consists of two restricted heads and two non-restricted heads. Restricted heads are identified by the letter "B". Non-restricted heads are identified by the letter "L".

2.03 Restricted heads ("B") must be used to seat, or to seat and cut conductors on clips that are mounted on white 66 Type Connecting Blocks.

2.04 Non-restrictive heads ("L") may be used to seat and cut conductors on clip terminals mounted on light green 66 Type Connecting Blocks such as NE66Q6A-25 and NE66Q3B-50 types.

Note: It is important that the right type of head (restrictive or non-restrictive) be used on the right type of block, otherwise unnecessary efforts will be required when using Tool and broken connections may result.

2.05 The handle of the NE714QA Tool is yellow and green. The cutting edges of the blade should be inserted on the yellow side of the NE714QA for ease of identification.

Note: Always carry the NE714QA Tool with the cutting edges enclosed in the handle when not in use.

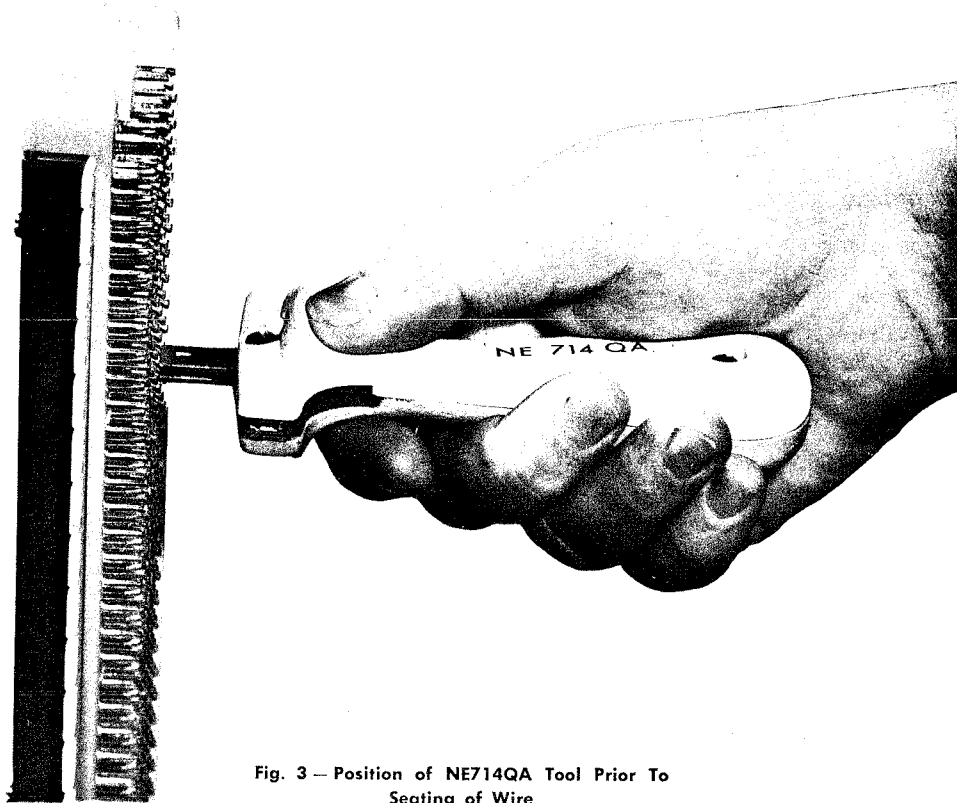


Fig. 3 — Position of NE714QA Tool Prior To Seating of Wire

3. CONNECTIONS

3.01 Prepare the conductors as outlined in the appropriate sections.

3.02 Connections — Cutoff Method

- (a) Place the conductor in the hook part of the terminal clip.
- (b) Place the appropriate cutting and seating head of the NE714QA over the terminal clip.
- (c) Keeping the NE714QA Tool in a plane perpendicular to the face of the block,

steadily exert a uniform force and press the tool towards the block until the wire is fully seated and cut off.

Notes:

(1) Do not make a connection by hitting the NE714QA Tool. (i.e. pounding on it in any way) A proper connection can be obtained through a steady application of force.

(2) When using the non-restrictive head (only on light green 66 Type Connecting Blocks) a positive indication is given that

the connection is made (force to cut conductor insulation, then easy to the base).

(d) To ensure a proper connection, allow the blade to seat and cut the wire before removing cutoff end.

(e) No lubricants shall be present on wire or terminals. Their presence may prevent clips from cutting through insulation of the wire.

3.03 Connections — Looping Method

After the wire has been placed in the terminal clip, seat the wire using the appropriate seating head as outlined in Para. 3.02 (c).

4. USE IN PARTICULAR CONDITIONS

4.01 On some Connecting Blocks like the 66E3-25, cover latches or other attachments may prevent the blade of the NE714QA Tool from

engaging deep enough to provide a good seat and cut the conductor.

4.02 To alleviate such conditions, the following is a method to extend the Rotary Blade.

(a) Loosen the holding screw (See Fig. 1).

(b) Pull the Rotary Steel Blade forward.

(c) Remove the Amphenol Connector locking screw and insert it in the hole in the NE714QA Tool's handle. (See Fig. 4). This will prevent the blade from pushing back.

(d) Tighten the holding screw.

This will provide sufficient insertion to seat and cut conductors properly.

4.03 On completion of the connections replace the locking screw on the Amphenol Connector. Readjust the Rotary Steel Blade in the normal position.

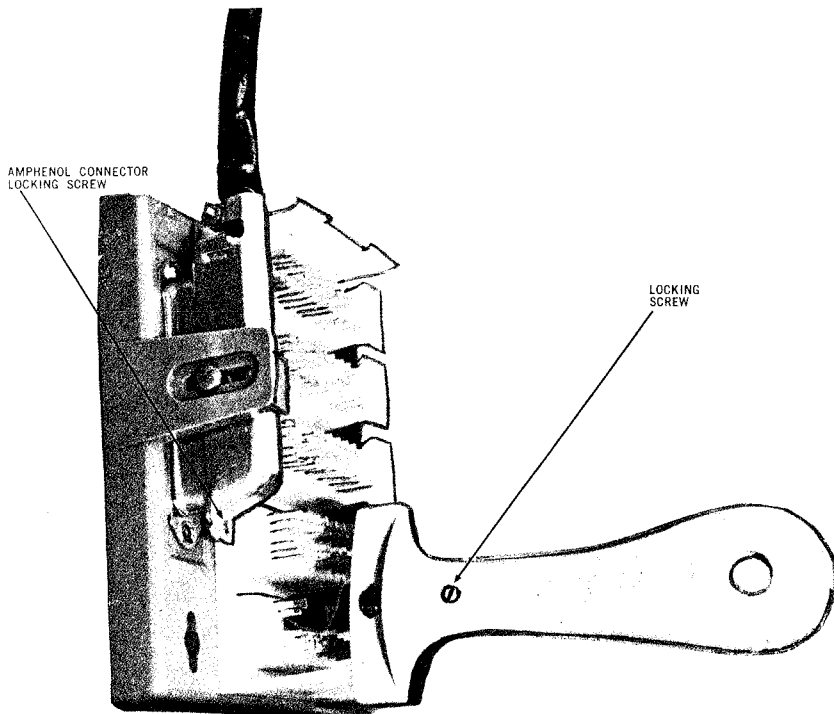


Fig. 4 — 66E3-25 Connecting Block