

“UG SCOTCHLOK”[®] CONNECTOR AND C PRESSING PLIERS

1. GENERAL

1.01 This section covers the description and use of the UG SCOTCHLOK[®] Connector and the C Pressing Pliers.

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1.02 This practice is reissued to include information on the C Pressing Pliers which replace the 38Y-4023 Connector Pressing Pliers. The 38Y-4023 Connector Pressing Pliers have been standardized and recoded as C Pressing Pliers. Both pliers are identical.

1.03 The UG SCOTCHLOK Connector is a bridging connector used to connect the free end of a wire to a through wire without cutting the through wire and without removal of the insulation. The device may be utilized on combinations of plastic- and pulp-insulated 19-, 22-, 24-, and 26-gauge copper conductors as well as 20-gauge plastic-insulated copper-steel wire.

1.04 The UG SCOTCHLOK Connector may be used to bridge small cables and stubs into existing through cables as covered in Section 632-205-211.

2. DESCRIPTION

2.01 The UG SCOTCHLOK Connector (Fig. 1) is a three-piece bridging connector consisting of a clear plastic housing, a green plastic button, and a slotted metal insert. The housing features an open slot for accommodating a through conductor and a blind hole for inserting the free end of the conductor to be bridged. When the green button is pressed flush with the clear plastic housing, the slotted metal insert penetrates the insulation on the wires and makes connection to the wires.

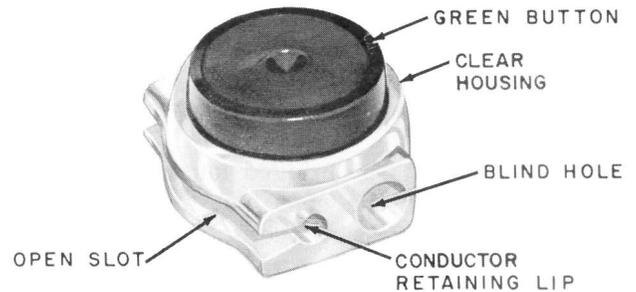


Fig. 1—UG SCOTCHLOK Connector

2.02 The C Pressing Pliers (Fig. 2) is a tool developed expressly for pressing the UG SCOTCHLOK Connector. The jaws are machined so they are nearly parallel when the unpressed connector is in place between the flats of the jaws. This important feature prohibits an initial cocking or tilting of the green button.

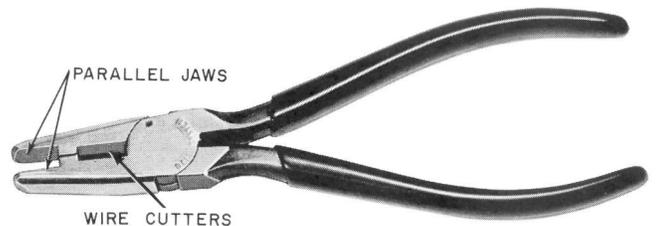


Fig. 2—C Pressing Pliers

3. PRECAUTIONS

3.01 In order to ensure that the joints produced with the UG SCOTCHLOK Connector are

satisfactory, the following precautions should be observed:

- The C Pressing Pliers must be used. Long-nosed, side-cutting, and adjustable or nonadjustable gas-type pliers with similar nonparallel jaw closure **must not** be used. This non-parallel jaw closure results in an initial cocking or tilting of the green button. The slotted metal insert is firmly attached to the button, and tilting introduces the possibility of cutting or nicking a conductor or improper seating of the conductor.
- Conductors to be bridged must be properly positioned in the open slot and blind hole during the pressing operation.
- A complete press of the pressing tool must be made.

4. USE

4.01 To install the connector, refer to Fig. 1 and proceed as follows:

- (1) Place the connector in the jaws of the presser (Fig. 3) keeping just enough pressure on the connector to keep it from sliding out.

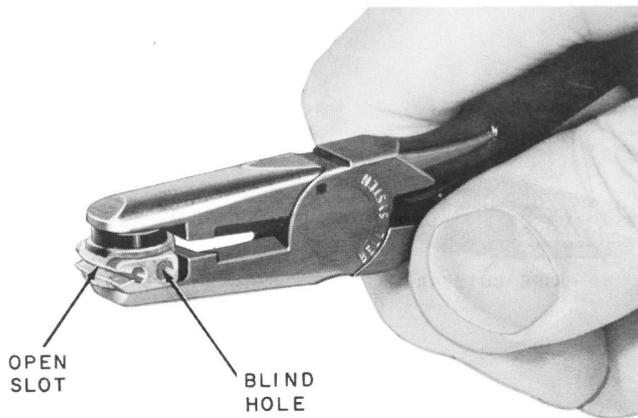


Fig. 3—UG SCOTCHLOK Connector in Presser Jaws

- (2) Push the presser held connector against the through conductor so the conductor enters the open slot and is fully seated beyond the retaining lip (Fig. 4).

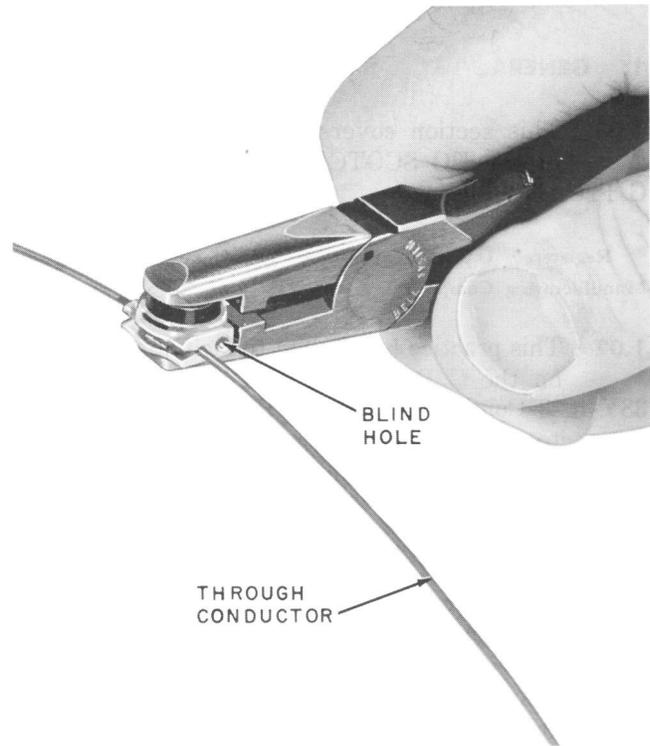


Fig. 4—Connector on Through Conductor

- (3) Position the connector on the through conductor by sliding it to the desired location.
- (4) Fully insert the free end of the bridging conductor into the blind hole of the connector (Fig. 5).
- (5) Press the connector until the green button is flush with the clear plastic housing (Fig. 6).

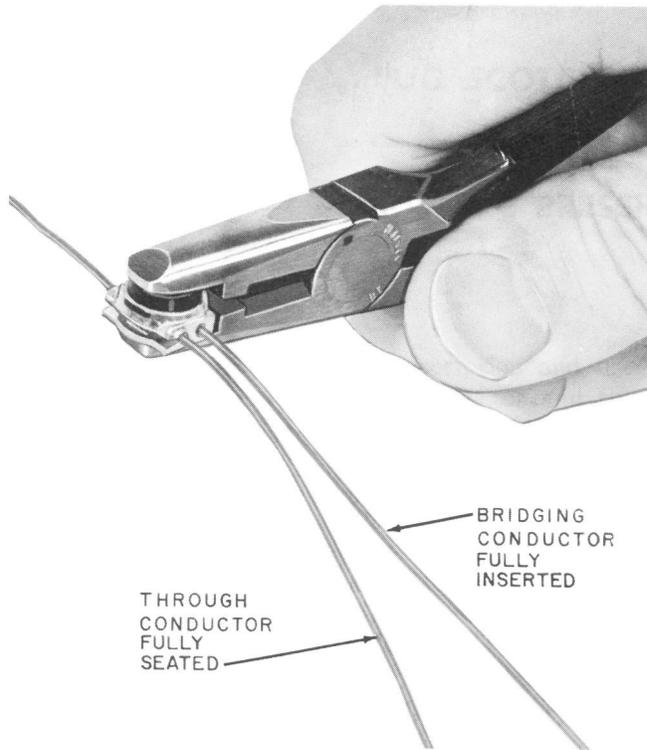


Fig. 5—Connector With Through Conductor and Bridging Conductor Before Pressing

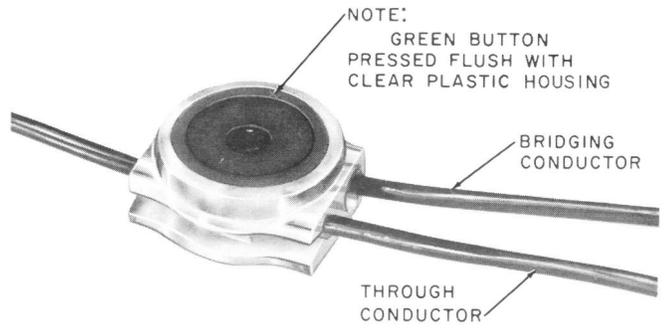


Fig. 6—Connector With Through Conductor and Bridging Conductor After Pressing