

WIRE-UNWRAPPING TOOL—HEATED

KS-16450 L1

PIECE-PART DATA AND REPLACEMENT PROCEDURES

1. GENERAL

1.01 This section covers the information necessary for ordering parts to be used in the maintenance of the KS-16450 L1 heated wire-unwrapping tool. These tools are used for loosening and removing soldered-wrapped connections of 22-, 24-, and 26-gauge wire.

1.02 This section is reissued to revise Fig. 1 by showing a KS-16368 L3 transformer instead of a L1 and to revise the List of Tools.

1.03 Part 2 of this section covers the piece-part numbers and the corresponding names of the parts which it is practicable to replace in the field in the maintenance of the KS-16450 L1 wire-unwrapping tool. No attempt should be made to replace parts not designated. Part 2 also contains an explanatory figure showing the different parts.

1.04 Part 3 of this section covers the approved procedures for the replacement of the parts covered in Part 2.

2. PIECE-PART DATA

2.01 The figure included in this part shows various parts in their proper relation to other parts of the wire-unwrapping tool. The piece-part numbers of the various parts are given together with the name of the parts as listed by the Western Electric Company Merchandise Department.

2.02 When ordering a replacement part, state the number and name of the part. For example: KS-16450 L10 unwrapping-bit assembly for KS-16450 L1 wire-unwrapping tool. Do not refer to the BSP number or to any information given in parentheses.

3. REPLACEMENT PROCEDURES

3.01 *Lists of Tools*

CODE OR SPEC NO.

DESCRIPTION

KS-6854	Screwdriver
KS-14440 L17	◆Soldering Copper◆
—	3-Inch C Screwdriver
—	◆B Combination Pliers◆
AT-7860	◆B-Long-Nose Pliers◆

3.02 *Handle Assembly*—Fig. 1 and 2

- (1) Remove the handle-locking nut using the B combination pliers, if necessary, to loosen the nut. While holding the cable swivel, carefully pull the handle towards the shank and remove the handle assembly.
- (2) Mount the new handle assembly and finger tighten the locking nut.

3.03 *Unwrapping-Bit Assembly*—Fig. 1 and 2

- (1) Remove the handle as covered in 3.02(1).
- (2) Using the KS-6854 screwdriver, remove the unwrapping-bit-assembly mounting screws and remove the unwrapping-bit assembly.
- (3) Position the new unwrapping-bit assembly in the swivel case so the mounting holes in the assembly line up with the holes in the case. Then mount and securely tighten the screws.
- (4) Remount the handle and finger tighten the locking nut.

3.04 *Cable Assembly*—Fig. 1 and 2

- (1) Using the 3-inch C screwdriver, remove the transformer terminal screws and disconnect the cable assembly leads.

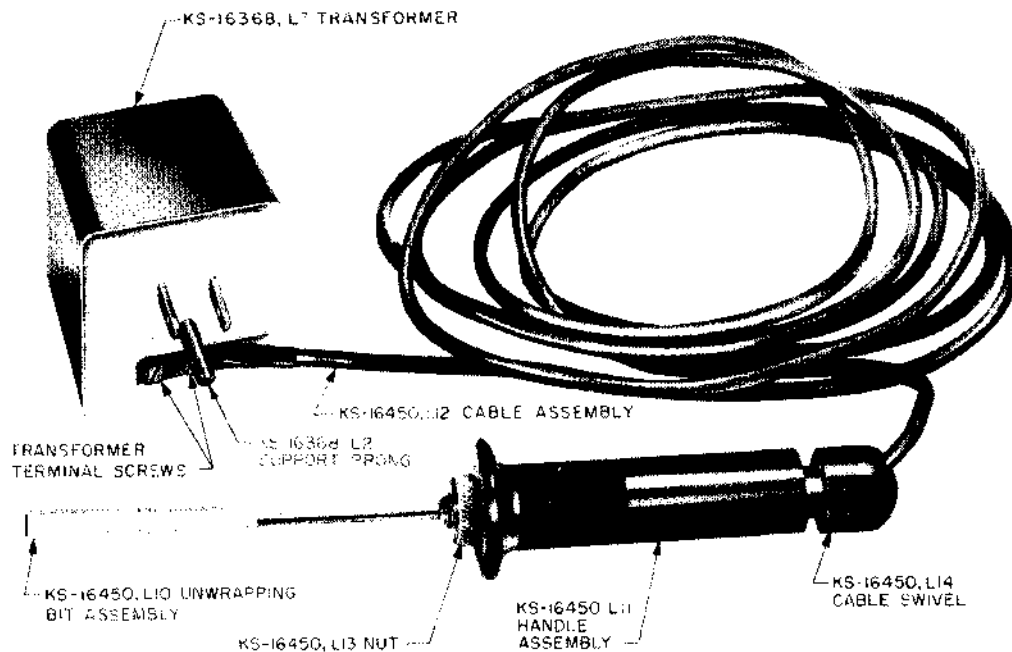


Fig. 1—KS-16450 L1 Wire Unwrapping Tool

- (2) Remove the handle as covered in 3.02(1).
- (3) Using the KS-14440 L17 soldering copper and B-long-nose pliers, disconnect the cable-assembly leads from the swivel case ground and stationary contact terminal.
- (4) Using the 3-inch C screwdriver, lift the cable grips that secure the cable to the swivel case just enough to release the cable. Remove the cable-swivel mounting screw with the screwdriver and remove the cable swivel and cable assembly. Then pull the cable out of the cable swivel.
- (5) Referring to Fig. 1, connect the new cable assembly to the transformer, connecting the lead with the terminal lug to the terminal on the right. Securely tighten the screws.
- (6) Referring to Fig. 2, thread the other end of the cable assembly through the cable swivel and swivel case. Insert the outer lead through the hole in the swivel case and bend the lead over the edge of the hole as shown in

Fig. 2. Wrap the inner lead around the stationary contact terminal using the B-long-nose pliers. Then, using the soldering iron, solder the leads in place in accordance with approved procedures.

- (7) Using the B-long-nose pliers, press the cable grips on the cable assembly to secure it to the swivel case. Position the cable swivel on the tool so the mounting hole in the cable swivel lines up with the hole in the swivel case. Mount and securely tighten the screw.
- (8) Remount the handle and finger tighten the handle-locking nut.

3.05 Transformer—Fig. 1

- (1) Using the 3-inch C screwdriver, remove the transformer terminal screws and disconnect the cable assembly leads.
- (2) Connect the cable assembly to the terminals on the new transformer in accordance with 3.04(5).

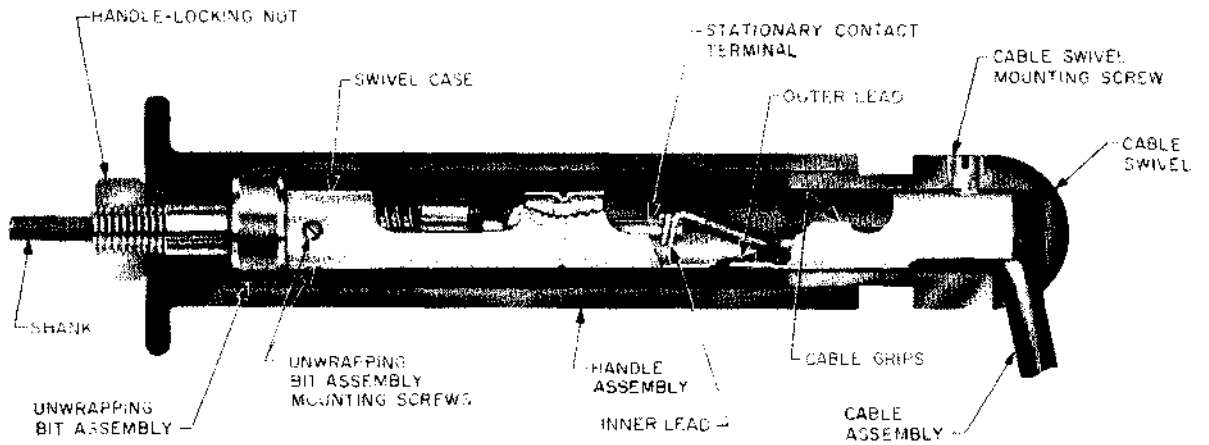


Fig. 2—Cross Section of Handle Assembly for KS-16450 L1 Wire Unwrapping Tool