

KS-16492 WIRE UNWRAPPING TOOL

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-16492, L2 wire unwrapping tool. Because of variations in the manufacture of parts of the KS-16492, L1 tool, no information is provided on this tool and replacement of its parts is not recommended. These tools are used for loosening and removing solderless wrapped connections of both No. 22 and 24 gauge wire.

1.02 This section is reissued to revise the title of Fig. 2 and to revise the example for ordering a replacement part.

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-16492, L2 wire unwrapping tool. No attempt should be made to replace parts not designated. Part 2 also contains explanatory figures showing the different parts. This information is called Piece-part Data.

1.04 Part 3 of this section covers the approved procedures for the replacement of the parts covered in Part 2. This information is called Replacement Procedures.

2. PIECE-PART DATA

2.01 The figures included in this part show 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's merchandise department. When the part names differ from those in general use in the field, the latter names, in some cases, are shown in parentheses.

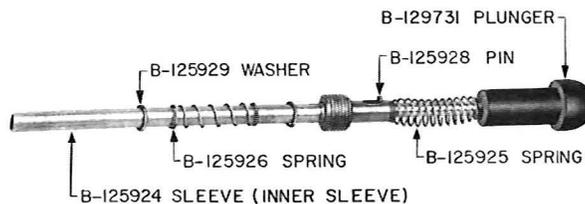
2.02 When ordering a replacement part, state the part number and name and specify that the part is for the KS-16492, L2 wire un-

wrapping tool. For example: B-127390 insulating sleeve for KS-16492, L2 wire unwrapping tool. Do not refer to the BSP number or to any information given in parentheses.

2.03 Information enclosed by parentheses () is not ordering information. This information may be references to notes, parts referred to in other portions of the section and not considered replaceable, or part names in general use in the field if these names differ from those assigned by the manufacturer.



Fig. 1 – KS-16492, L2 Wire Unwrapping Tool



**Fig. 2 – KS-16492, L2 Wire Unwrapping Tool
 (Handle and Outer Sleeve Removed)**

3. REPLACEMENT PROCEDURES

3.01 List of Tools and Materials

CODE OR SPEC NO.	DESCRIPTION
TOOLS	
KS-8511	Tweezers
—	Sharp Pen Knife or Single-Edged Razor Blade (obtain locally)
—	Long-Nose Pliers
MATERIALS	
KS-2423	Cloth
—	Duco Household Cement
—	Large Paper Clip

3.02 Insulator: Fig. 1

(1) With a sharp pen knife or single-edged razor blade, slit the insulator longitudinally and peel it off the outer sleeve. Using the pen knife or razor blade, scrape off any adhesive that may be on the outer sleeve and then wipe the sleeve with a clean KS-2423 cloth.

(2) Check if the new insulator will fit on the outer sleeve. If the insulator fits on the sleeve, apply cement to the inner surface of the insulator as covered in (3) before mounting the insulator as covered in (4). In some cases, the insulator may be slightly under-size and may not fit on the sleeve. In such cases, immerse the insulator in boiling water for several minutes to expand it and mount it on the sleeve as covered in (4) without applying cement. If boiling water is not available, the insulator must be immersed in water at lower temperatures for a considerably longer time to expand it sufficiently for mounting on the sleeve. Use the KS-8511 tweezers to remove the insulator from the hot water.

(3) If the insulator is to be cemented on the sleeve, roll up a strip of paper 1/4 inch wide by 5 inches long and insert the rolled paper into the open end of the outer sleeve to prevent adhesive from entering the opening when mounting the new insulator as covered in (4). Straighten one end of a large paper clip and use the straightened end to apply Duco household cement as evenly as possible to the inner surface of the new insulator.

(4) While holding the outer sleeve close to the handle to prevent its moving into the handle, slide the insulator, unnotched end first, onto the outer sleeve. Immediately position the insulator so that its notched end is flush with the end of the outer sleeve and the notches in the insulator are aligned with the notches in the sleeve. After mounting the insulator, remove the rolled paper and any excess cement from the open end of the outer sleeve, if the insulator was cemented on the sleeve. Allow the cement to set or the insulator to dry for at least 24 hours before using the tool.

3.03 Other Parts: Fig. 2

(1) The plunger and handle are assembled with a left-hand thread. Hold the handle in one hand and unscrew the plunger from the handle by turning it clockwise as viewed from the plunger end. Remove the plunger and associated parts from the handle. In some cases, the outer washer on the inner sleeve will remain in the handle when the plunger is removed. To remove the washer, tap the open end of the handle lightly on a flat surface.

(2) Remove the spring and washers on the inner sleeve. To replace the plunger, inner sleeve, or shaft spring, remove the pin securing the inner sleeve on the shaft using the long-nose pliers. Remove the plunger from the sleeve.

(3) Substitute new parts as required and re-assemble in reverse order of removal.