

**SPlicing CLOAX COAXIAL CABLE
USING 807 TYPE CONNECTORS**

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5. TAPING

1. GENERAL

1.1 Description

1.11 This section covers splicing CLOAX type coaxial cable using 807A and 807B type connectors to 728A and 730A type cable in an "LS" Carrier office.

1.12 Information in this section is also covered on EDS1458-10.

1.2 Precaution

1.21 Do not cut cables using hacksaw or any other tool that produces filings, chips, or powdered metal.

1.22 Installer shall apply two layers of electrical tape on connection extending approximately a half inch beyond end and onto cable jacket.

2. TOOLS

2.1	<u>Qt.</u>	<u>Code</u>	<u>Description</u>
	1	R-4292	Cutter, Shield CLOAX Cable
	1	R-4293	Expander, CLOAX Cable
	1	R-4081	Crimping Tool
	1	*R-4325	Crimper Sleeve, CLOAX Cable
	1	R-3007	Soldering Iron or equivalent

*This tool same as AT-8588 Sleeve Presser, Telephone Co. Tool.

3. PREPARATION

3.1 The 724A, 728A and 730A cable is prepared as shown in Figure 1. ←

3.2 The CLOAX cable is prepared using R-4293 cutter as shown in Figure 2.

3.3 Place the connector over outer conductor use R-4293 Expander as shown in Figure 3.

3.4 Solder wire when at least 1/8 inch is visible in the window of the 807 type connector as shown in Figure 4.

4. CRIMPING

4.1 Use the 807A connector for CLOAX cable to 724A or 728A type cable. Crimp 724A or 728A side of 807A connector using R-4081 Crimping Tool detail 3. Refer to Figure 4.

4.2 Use the 807B connector for CLOAX cable to 730A type cable. Crimp 730A side of 807A connector using R-4081 Crimping Tool detail 6. Refer to Figure 4.

4.3 Crimp CLOAX cable end of 807A or B connector using AT-8588 or R-4325 Crimping Tool.

5. TAPING

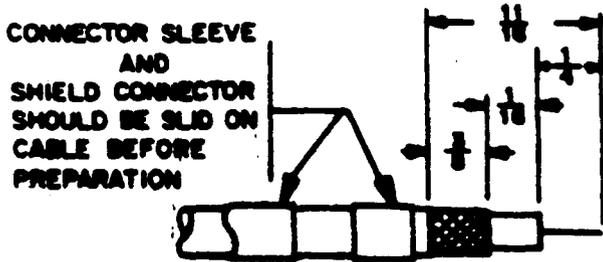
5.1 Installer shall apply two layers of electrical tape on connection extending approximately a half inch beyond end and onto cable jacket.

➔ **Arrowed lines indicate new or changed information.**

Manager, Engineering Transmission Products

Attachment:
Figures 1 through 5 on Pages 2 and 3.

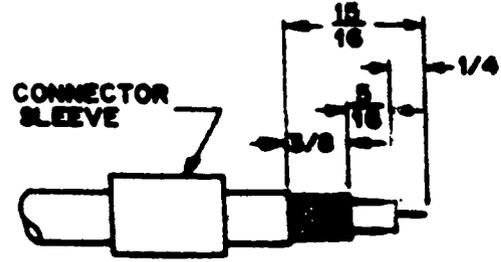
Reason for Reissue:
To add information to Figure 1.



CONNECTOR SLEEVE AND SHIELD CONNECTOR SHOULD BE SLID ON CABLE BEFORE PREPARATION

PREPARATION OF 730A COAXIAL CABLE

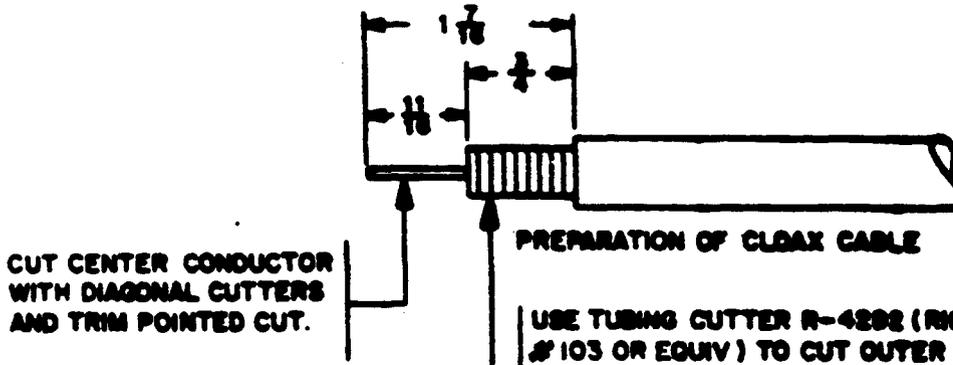
(MVI-1716A)



PREPARATION OF 728 OR 724 COXIAL CABLE

(MVI-1716F)

→ FIGURE 1



CUT CENTER CONDUCTOR WITH DIAGONAL CUTTERS AND TRIM POINTED CUT.

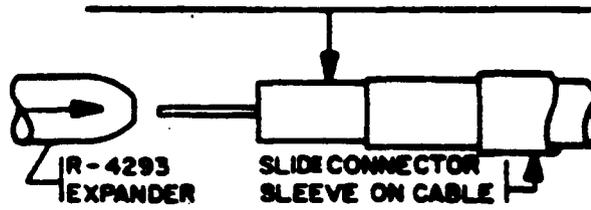
PREPARATION OF COAX CABLE

USE TUBING CUTTER R-4292 (RIGID TUBING CUTTER #103 OR EQUIV) TO CUT OUTER CONDUCTOR. BREAK OFF OVERLAPPING BEAM BY SLIGHT FLEXING WITH ROTATION THEN TRIM EXCESSIVE ROUGH EDGES WITH DIAGONAL CUTTERS.

(MVI-1716D)

FIGURE 2

PLACE SHIELD CONNECTOR, 840089080, OVER OUTER CONDUCTOR, THEN INSERT EXPANDER R-4293 TO SHAPE OUTER CONDUCTOR FOR THE CONNECTOR AS SHOWN.



R-4293 EXPANDER

SLIDE CONNECTOR SLEEVE ON CABLE

(MVI-1716B)

FIGURE 3

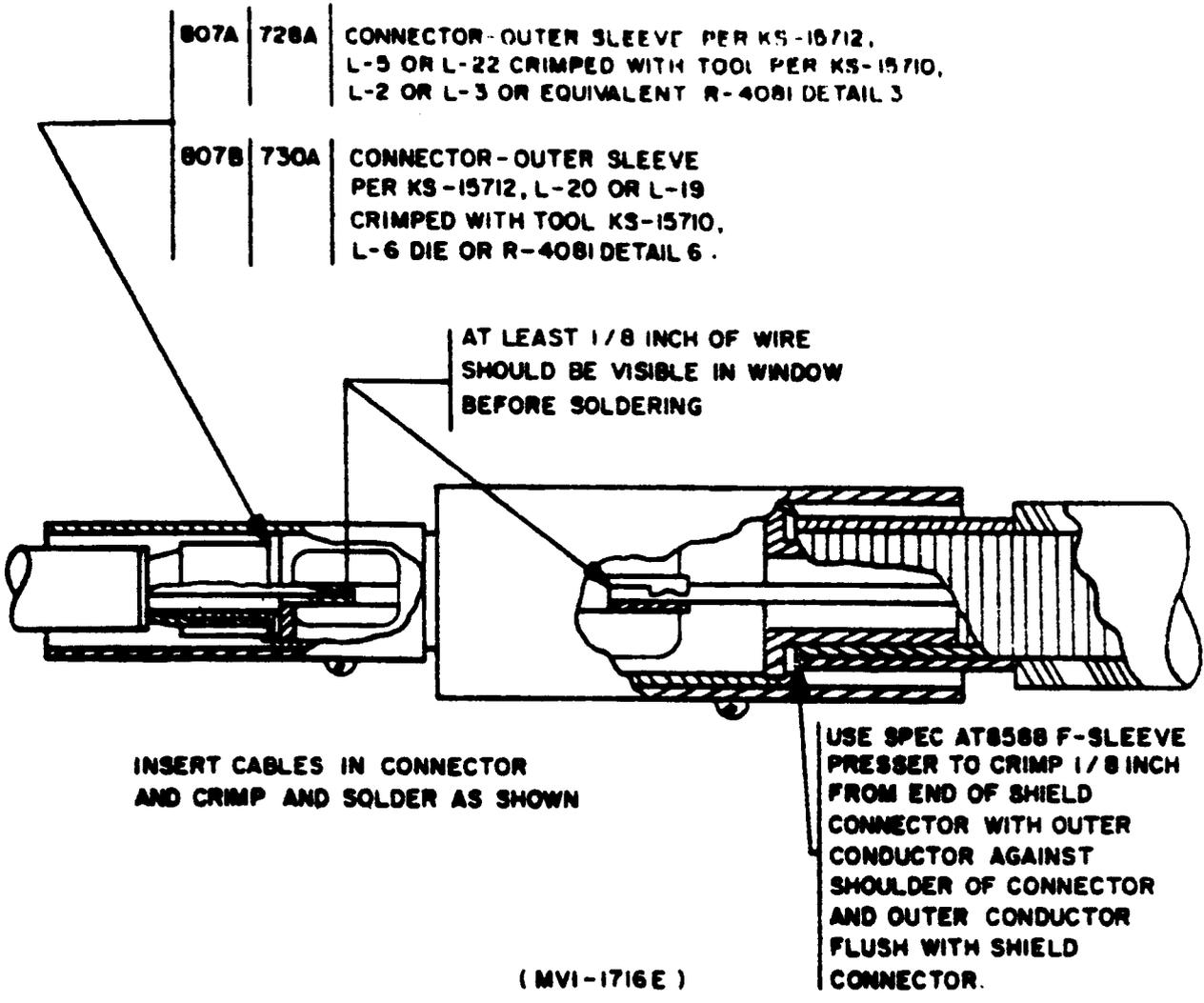
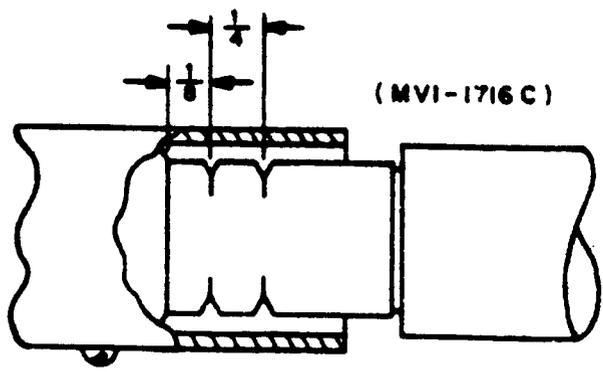


FIGURE 4



WHEN USING SLEEVE PRESSER WITH A SINGLE BITE EDGE, CRIMP FIRST 1/4 INCH FURTHER OUT ON SHIELD CONNECTOR THAN INSTRUCTED ABOVE THEN CRIMP AGAIN AS ABOVE.

FIGURE 5