

## MULTIPLE PAIR TEST CONNECTORS FOR 302- AND 303-TYPE CONNECTORS

### 1. GENERAL

**1.01** This section covers the description and use of Communications Technology Corporation C-4920 and C-4930 Multiple Pair Test Connectors (Front Tap Shoes) for use with 302- and 303-type main frame connectors and automatic pair identification equipment.

### 2. DESCRIPTION

**2.01** C-4920 and C-4930 Multiple Pair Test Connectors (Fig. 1) consist of a plastic shell in which 100 gold-plated test pins are housed and connected internally to the jacketed 50-pair test cord. The

15-foot test cord divides into two 25-pair branches which terminate on cinch plugs (KS-19162 equivalent) for attachment to automatic pair identification equipment.

**2.02** The test connector mates with the 50-pair test field of the 302- and 303-type connectors. The plastic housings are factory marked to indicate pair count and proper orientation on the test field. The test connectors attach by means of two wing-type clamps tightened by thumbscrews.

**2.03** The shoe and cinch plugs are double numbered; the shoe 1-50, or 51-100 and the cinch plugs 1-25, 51-75 and 26-50, 76-100.

\*\*Reprinted to comply with modified final judgment.

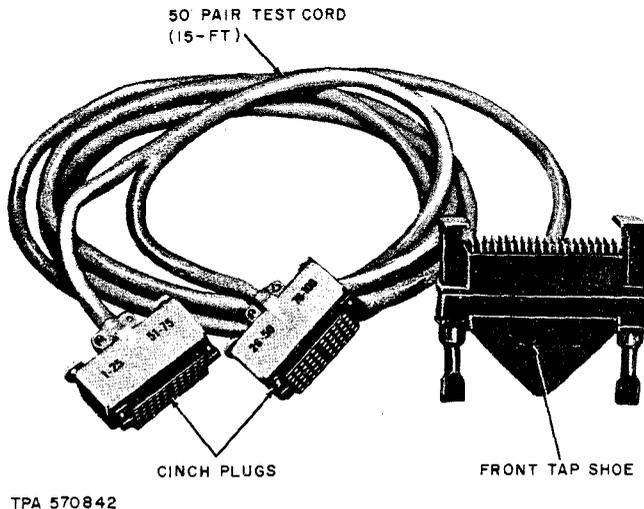


Fig. 1—Front Tap Shoe

**2.04** The C-4914 Carrying Case (Fig. 2) is recommended for protecting and storing the test connectors. The carrying case will accommodate two test connectors.

**3. USE**

**3.01** The C-4920 Multiple Pair Test Connector is designed for use with either 303 or 302 (A or B) 2 connectors.

**3.02** The C-4930 Multiple Pair Test Connector is designed for use with 302 (A or B) 1 Connectors (ESS).

**3.03** Each shoe accommodates 50-pairs. Therefore, two shoes are required to provide full 100-pair testing capability.

**3.04** To mount the shoe, spread the wing clamps (Fig. 3) and fully insert the test pins into the 302 or 303 Connector test field jacks.

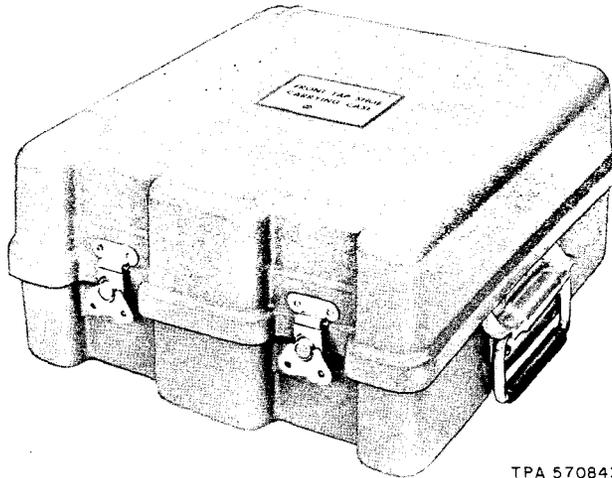
**3.05** Fig. 4 shows the shoe mounted on a 302 Connector.

**3.06** Fig. 5 shows the front tap shoe connected to a test set by means of the test cord and cinch plugs.

**4. CARE AND STORAGE**

**4.01** The front tap shoe should be handled with extreme care to prevent deforming or breaking the test pins.

**4.02** When not in use the shoe should be stored in the C-4914 Carrying Case.



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**Fig. 2—C-4914 Carrying Case**

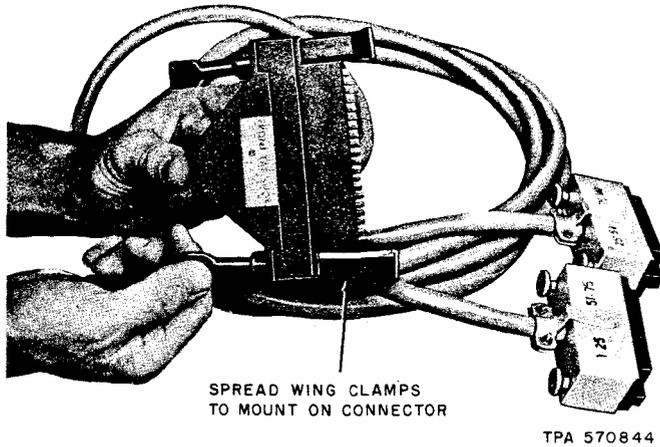


Fig. 3—Front Tap Shoe Clamps

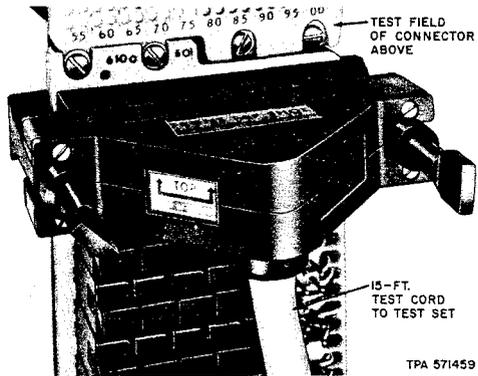


Fig. 4—Front Tap Shoe Mounted on Connector Test Field

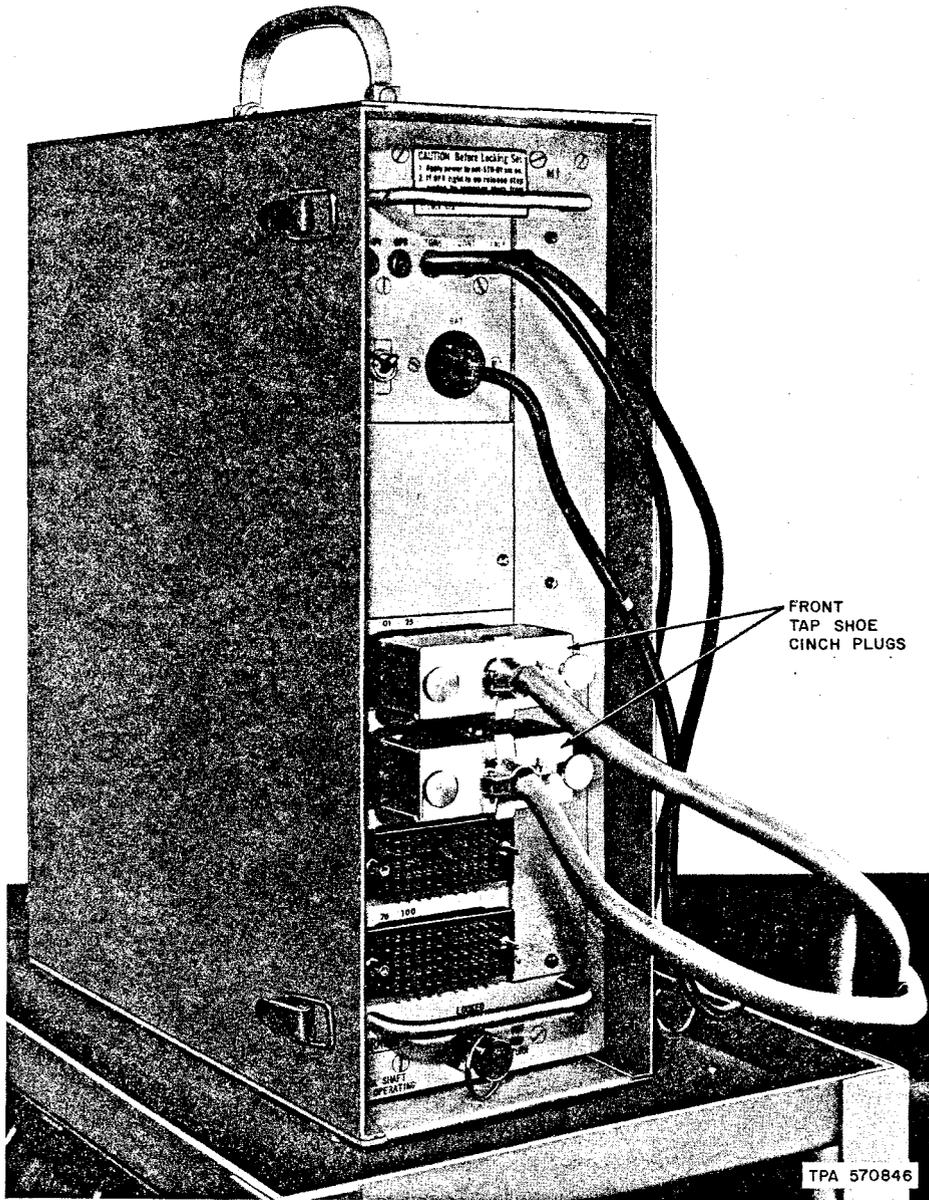


Fig. 5—Cinch Plugs Connected to Test Set