

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.

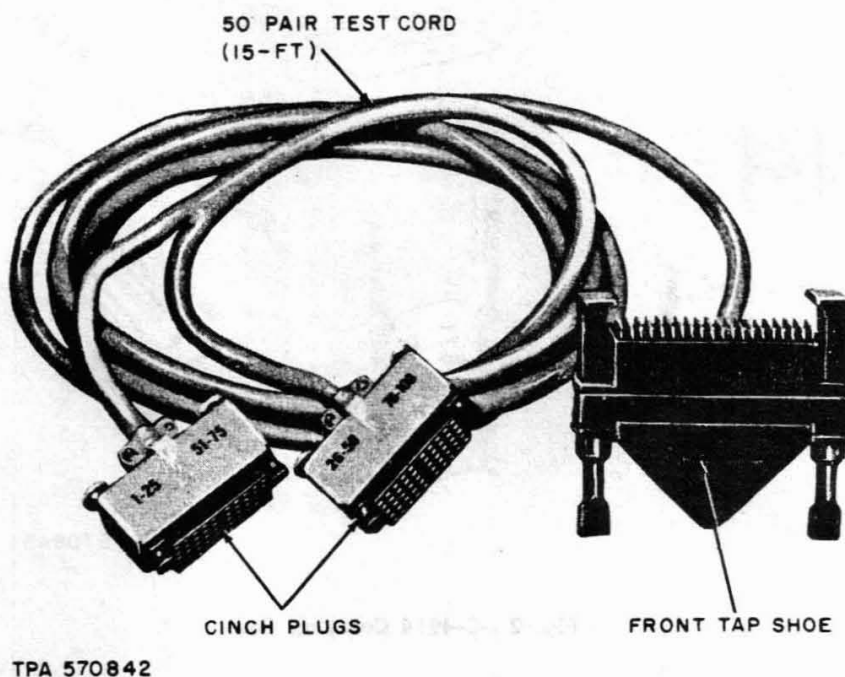


Fig. 1—Front Tap Shoe

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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.

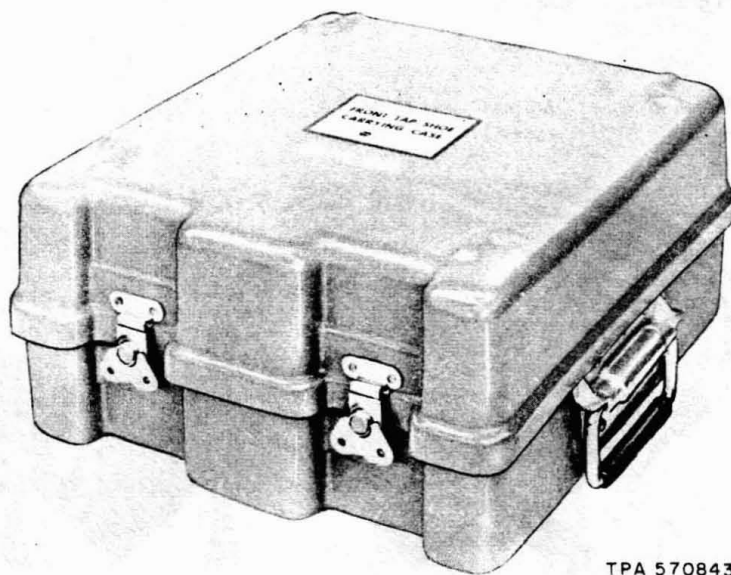
3.05 Fig. 4 shows the shoe mounted on a 302 Connector.

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

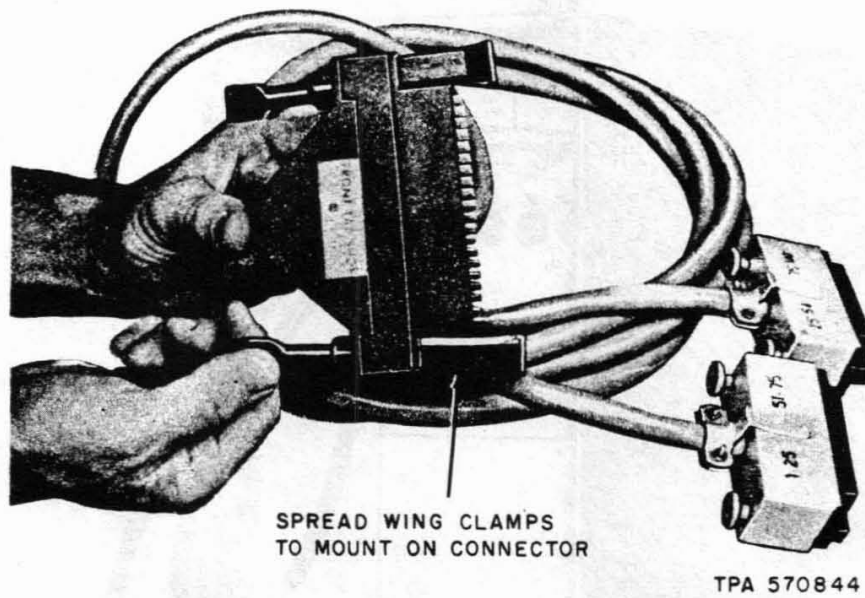


Fig. 3—Front Tap Shoe Clamps

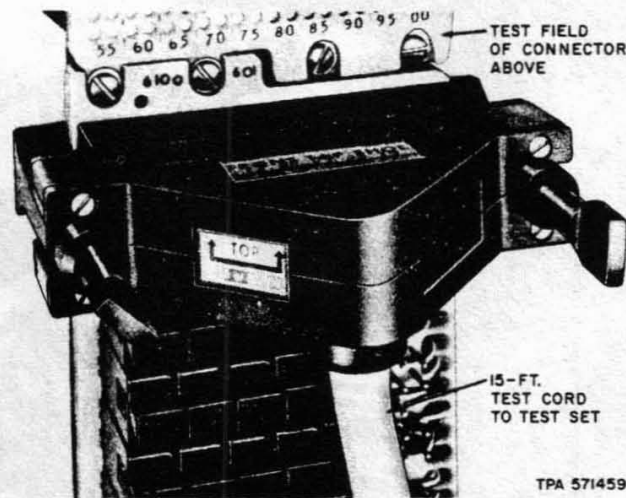


Fig. 4—Front Tap Shoe Mounted on Connector Test Field

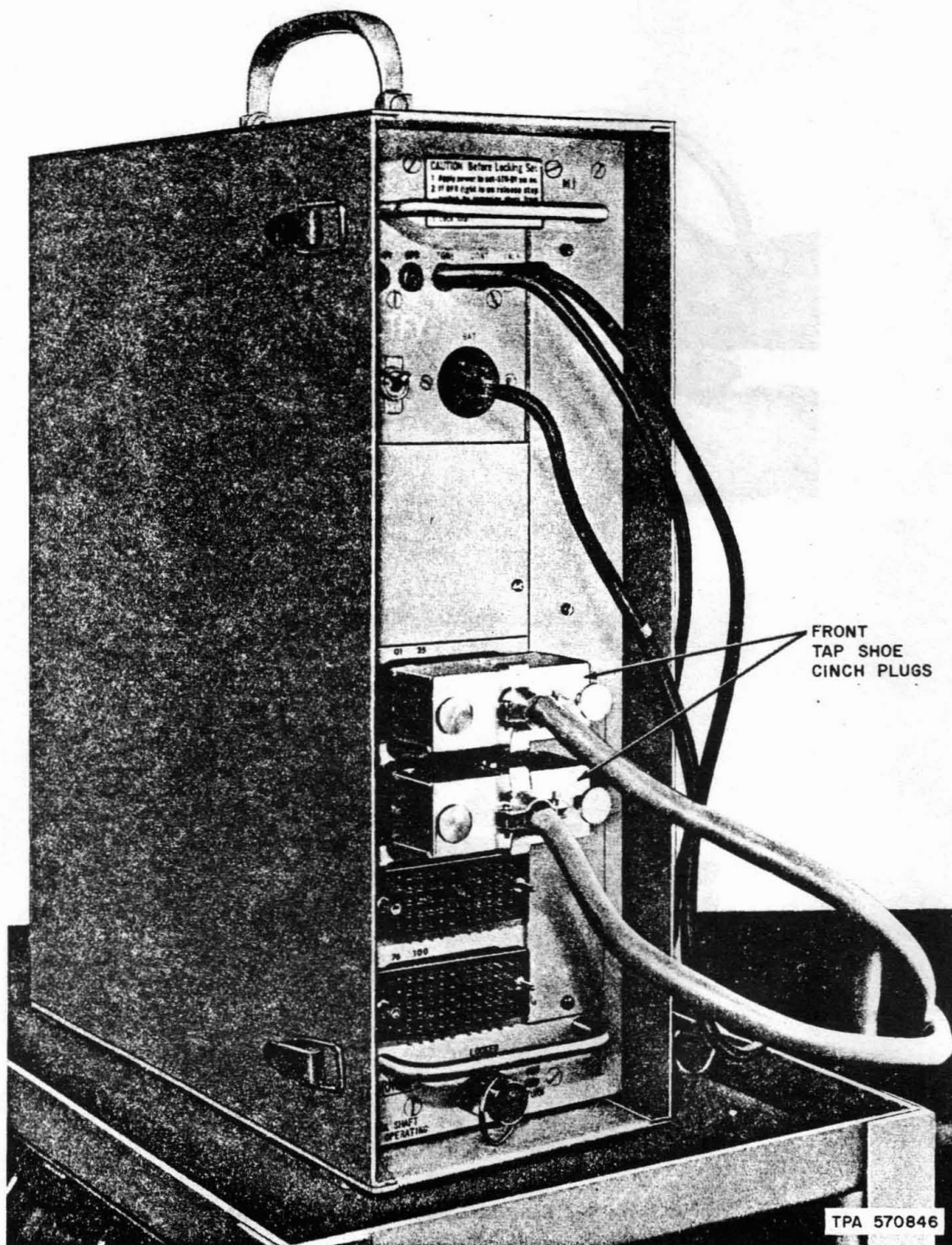


Fig. 5—Cinch Plugs Connected to Test Set