

## ADAPTERS II

### DESCRIPTION

### TOOLS

#### 1. GENERAL

**1.01** This section describes Bell System coded and noncoded adapters within the part or type number range of 186 through 721 and all KS-types.

**1.02** This section is reissued to revise the format and add the 247A and B and 264A adapters. Since this is a general revision, revision arrows have been omitted. The Equipment Test List is not affected.

**1.03** See the tool index for other Adapter Practices.

#### 2. DESCRIPTION OF TOOLS

**2.01 186A:** The 186A adapter (Fig. 1) consists of a metal frame assembly containing a plug and connector. This adapter permits the oscillators in the test oscillator panel (J68877B) to be extended beyond the assembly face for testing purposes.



Fig. 1—186A Adapter

**2.02 203A:** The 203A adapter (Fig. 2) consists of a 477D jack, less mounting plate, on one end, and a KS-14982, L3, jack on the other end. This adapter is used for testing and fault-location work in coaxial cables of the L1, L3, and L4 Carrier Systems.

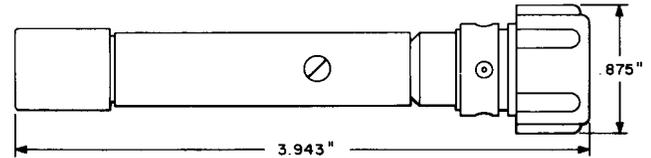


Fig. 2—203A Adapter

**2.03 204A:** The 204A adapter (Fig. 3) consists of a KS-14317, L3, plug on one end and a 358C plug on the other. This adapter is used for testing and fault-location work in coaxial cables of the L1, L3, and L4 Carrier Systems.

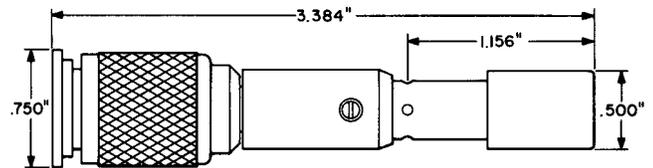


Fig. 3—204A Adapter

**2.04 206A:** The 206A adapter (Fig. 4) consists of a 358C plug on each end. This adapter is used for testing and fault-location work in coaxial cables of the L1, L3, and L4 Carrier Systems.

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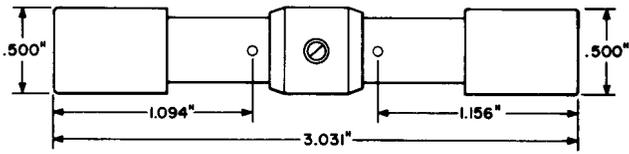


Fig. 4—206A Adapter

**2.05 247A and B:** The 247A and B adapters (Fig. 5) consist primarily of two printed wiring boards and a 421A plug mounted on a metal plate with guide rails. The probe end adapter is offset. These connectors are wired to the terminal on the boards which are connected to the printed wiring tabs of the board, serving as a plug-in connector for the adapter. This adapter is used in the T1 Repeated Line-Testing.

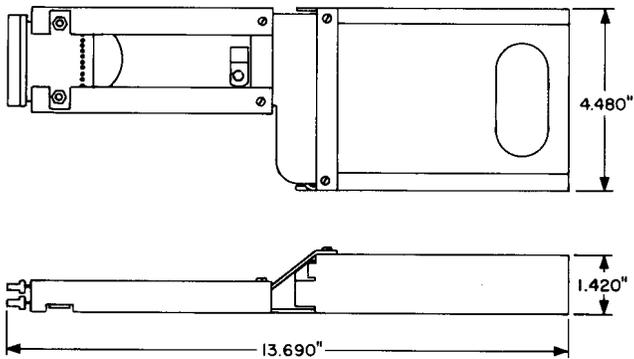


Fig. 5—247A and B Adapter

**2.06 264A:** The 264A adapter (Fig. 6) consists of a 55-pin Bendix connector which is installed onto the 152A test set cable and connects to the 3M cable supplied in their 4048 kit. When used in this manner, the 152A test set will perform checks for the 3M connector similar to those performed for the Bell System 710 SECS connector. The adapter is an accessory for the 152A test set, but may be purchased separately when desired. This adapter is used to adapt the 3M 4048 25-Pair Connector Kit to the 152A test set.

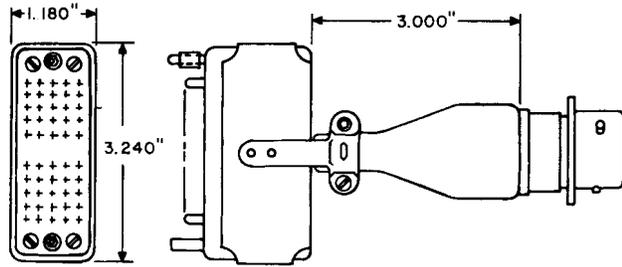


Fig. 6—264A Adapter

**2.07 454A:** The 454A tool (Fig. 7) is a metal coupling used for connecting 1/4-inch rubber tubing to a vacuum cleaner hose.

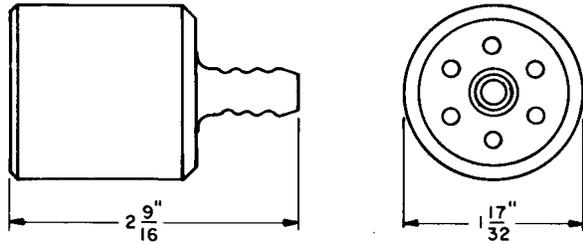


Fig. 7—454A Adapter Tool

**2.08 455A:** The 455A tool (Fig. 8) is a metal coupling used for connecting 1/2-inch rubber tubing to a vacuum cleaner hose.

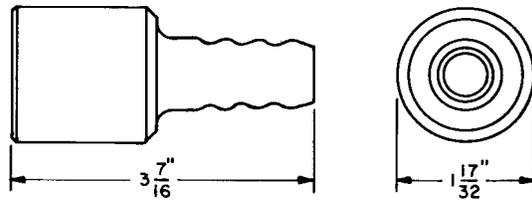
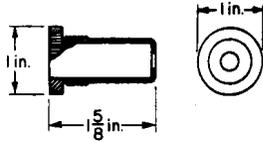


Fig. 8—455A Adapter Tool

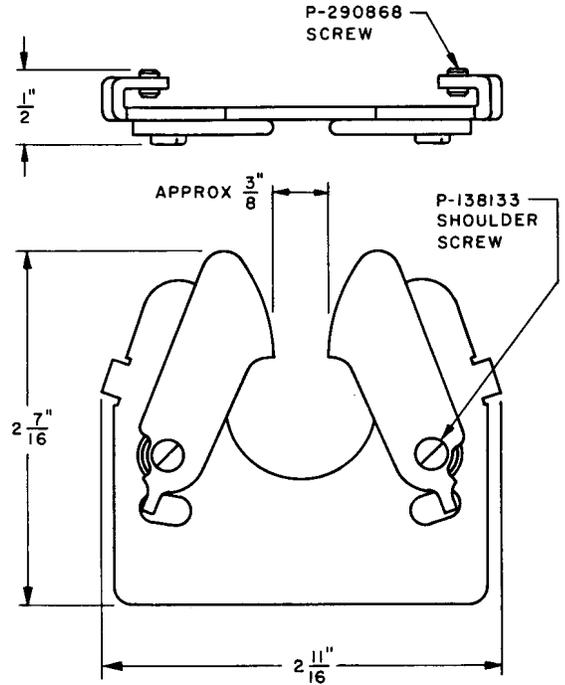
**2.09 498A, B, and C:** The 498A, B, and C tools (Fig. 9) are used with the 497A and B tools in cleaning plugs at a switchboard.



**Fig. 9—498A, B, or C Adapter Tool**

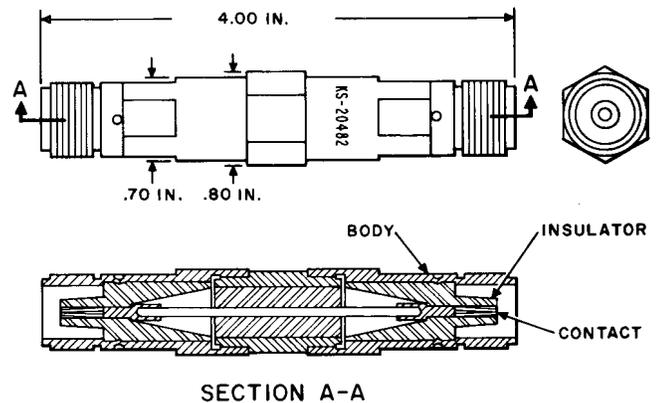
- (a) **498A:** The 498A tool is arranged to hold the 109 and 309 plugs.
- (b) **498B:** The 498B tool is arranged to hold the 110 and 310 plugs.
- (c) **498C:** The 498C tool is arranged to hold the 47-type plugs.

**2.10 721A:** The 721A tool (Fig. 10) is used in adapting the 504A tool for holding KS-14440 or KS-16346 soldering coppers.



**Fig. 10—721A Adapter Tool**

**2.11 KS-20482, L1:** The KS-20482, L1 tool (Fig. 11) is a male coaxial adapter, arranged for screw-on connection at both ends to a KS-14317, L3, plug. The KS-20482, L1 is used in testing and fault-location work in L1, L3, and L4 Carrier Systems.



**Fig. 11—KS-20482, L1 Adapter Tool**

2.12 **KS-20864, L16, L17, L18, and L19:** The KS-20864-type tools (Fig. 12) are positive lock adapters.

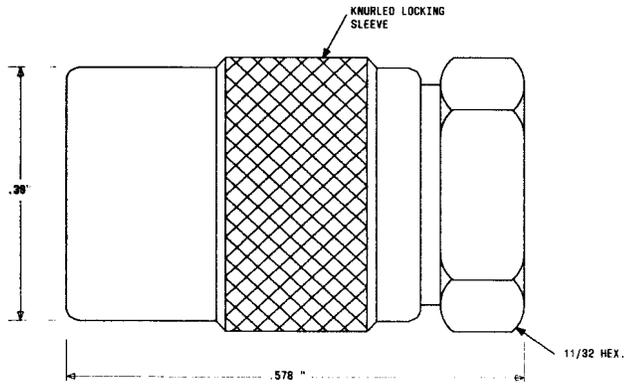


Fig. 12—KS-20864-Type Adapter Tool

(a) **KS-20864, L16:** The KS-20864, L16 tool is an adapter for field replacement of the L1 lock adapter. This tool is for use in No. 4 ESS.

(b) **KS-20864, L17:** The KS-20864, L17 tool is an adapter for field replacement of the L2 lock adapter. This tool is used in the L5 Carrier System.

(c) **KS-20864, L18:** The KS-20864, L18 tool is an adapter for field replacement of the L9 lock adapter. This tool is used in diagnostic testing J4A001 TSI.

(d) **KS-20864, L19:** The KS-20864, L19 tool is an adapter for field replacement of the L10 lock adapter. This tool is used on the DSX-3 and DSX-4 Cross-Connects.