

TEST TOOLS I

DESCRIPTION

1. GENERAL

1.01 This section describes Bell System coded test tools within the part or type number range of 262 through 742.

1.02 The reasons for reissuing this section are listed below. Since this is a general revision, revision arrows have been omitted.

- (a) To add the 360D tool
- (b) To update to standard format.

1.03 See tool index for other test tool practices.

1.04 The following is a list of tools that have been Mfr Disc. with their replacement.

TOOLS	REPLACEMENT
298	411C
341B	-
342	-
343	369B
598A	-

2. DESCRIPTION OF TOOLS

2.01 262: The 262 test pick tool (Fig. 1) is used with a connecting cord to test over terminals connected to 200- or 206-type selector line switch brushes.

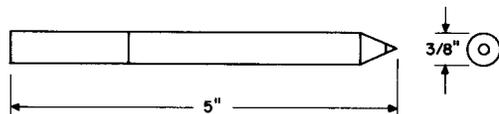


Fig. 1—262 Test Pick Tool

2.02 360A, B, C, and D: The 360-type tool is used for testing purposes in connection with 357, 361B, 364, 365, 419A, 547A, 548A, and other tools provided with pin terminals.

(a) **360A:** The 360A tool (Fig. 2) is furnished with a red, socket-type cord tip.

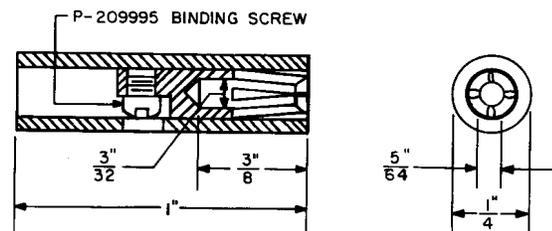


Fig. 2—360-Type Tool

(b) **360B:** The 360B tool (Fig. 2) is furnished with a black, socket-type cord tip.

(c) **360C:** The 360C tool (Fig. 2) is furnished with a white, socket-type cord tip.

(d) **360D:** The 360D tool is furnished with a green, socket-type cord tip. The core drilling of the tool is No. 50 (.070-inch diameter) and the tips are squeezed to a .050-inch diameter.

2.03 364: The 364 spade terminal tool (Fig. 3) is used in conjunction with a 360-type tool for general test purposes.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

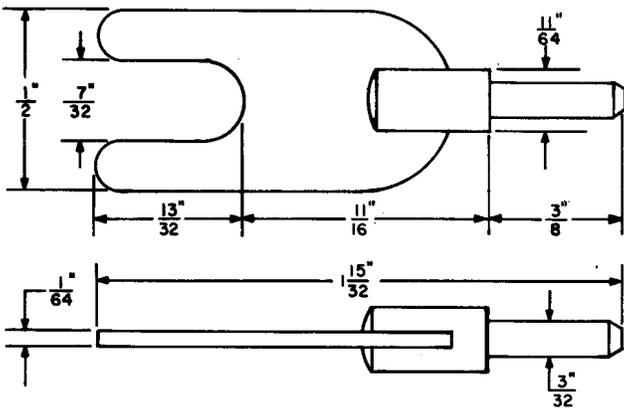


Fig. 3—364 Spade Terminal Tool

2.04 **365:** The 365 connecting clip tool (Fig. 4) is used in conjunction with a 360-type tool for general test purposes.

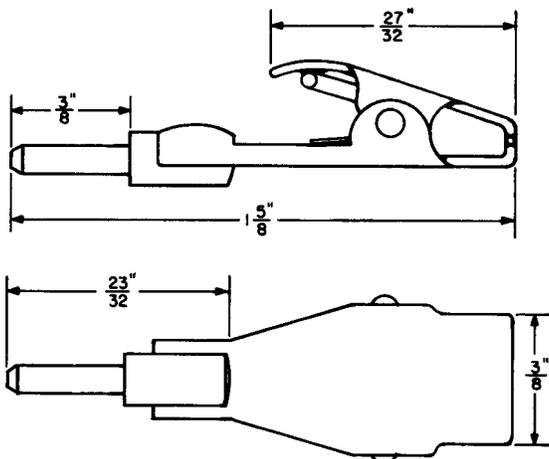


Fig. 4—365 Connecting Clip Tool

2.05 **369B:** The 369B testing tool (Fig. 5) is used for testing the bridge cut-off winding of the "B" relay which is associated with the primary line switch in the step-by-step dial systems. This tool replaces the 343 and 369 tools.

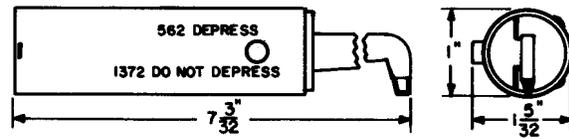


Fig. 5—369B Testing Tool

2.06 **411C:** The 411C test pick tool (Fig. 6) is for general use in circuit testing. This tool may be connected to a cord by means of a 360-type tool. This tool is similar to the 411A and 411B tools except that the body of the tool is made of red plastic instead of fiber. The 411C tool replaces the 298, 411A, and 411B tools.

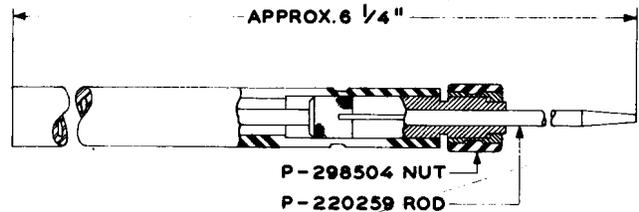


Fig. 6—411C Test Pick Tool

2.07 **472A, B, and C:** The 472A, B, and C line switch test tools (Fig. 7) are used on plunger-type line switches. Resistance is 1100 ohms for 472A, 1300 ohms for 472B, and 1650 ohms for 472C.

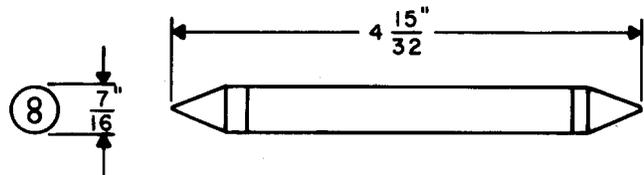


Fig. 7—472A, B, and C Line Switch Test Tools

2.08 513A: The 513A test pick tool (Fig. 8) is used in toll and exchange cable testing. A W2BJ cord and a 347B plug are required when this tool is used with the 108A amplifier.

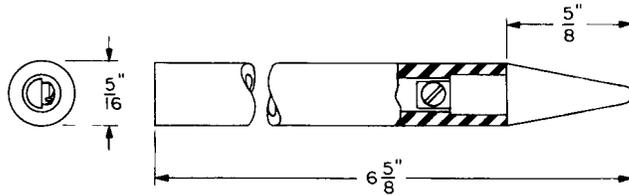


Fig. 8—513A Test Pick Tool

2.09 518C: The 518C adjustable test pick tool (Fig. 9) is used with the 67C test set. This tool consists of an insulated handle containing a 51,000 ± 5 percent ohm resistor, switch, and chuck, and connects with a 360-type tool.

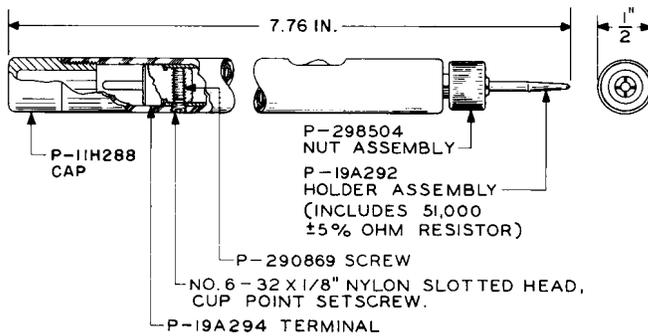


Fig. 9—518C Adjustable Test Pick Tool

2.10 572A and B: The 572A and B test probe tools (Fig. 10) are used with the 1A fault locator test set.

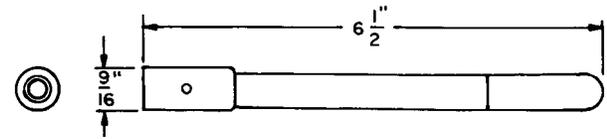


Fig. 10—572A or B Test Probe Tool

(a) **572A:** The 572A tool is used with a W2CD cord and a 347B plug as a probe for identifying working wires in cables. This assembly of cord, plug, and tool forms a part of the 115A test set.

(b) **572B:** The 572B tool is used with a W2EH cord and a 347B plug as a probe for identifying working wires in cables. This assembly of cord, plug, and tool forms a part of the 115A test set.

2.11 615A: The 615A test plug and cord tool (Fig. 11) are used in connecting six leads of a No. 12 service observing circuit to an operator's cord circuit. This tool consists of a KS-8585, L41, plug and a connector assembly connected by a W6G cord.

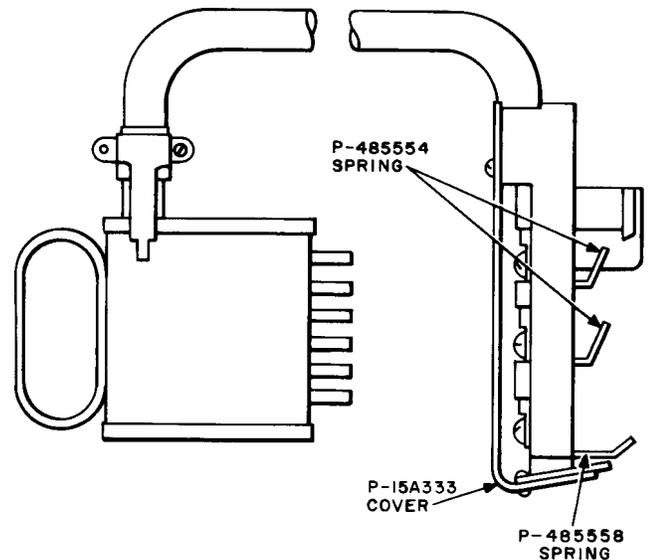


Fig. 11—615A Test Plug and Cord Tool

2.12 716A, B, C, D, E, F, and J: The 716-type test receiver tool (Fig. 12) is used in testing when dc is not present. The 716A, B, C, and J tools are designed for use with an 11A headband. The 716D, E, and F tools are equipped with an 11A headband. Major components are listed below:

CODE	CONSISTS OF	
	RECEIVER UNIT	RECEIVER HOLDER
716A	HA7	11A
716B	HA8	11A
716C*	P-23F791	11A
716D	HA7	11A
716E	HA8	11A
716F	HA9	11A
716J	HA10	11A

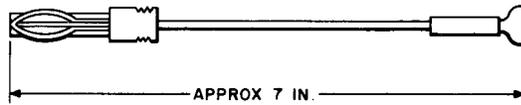


Fig. 13—729A Test Probe Tool

2.14 730A: The 730A test probe tool (Fig. 14) is a faceplate type which consists of 22 gauge stranded vinyl insulated wire equipped at one end with a special test point intended for insertion into a faceplate test point location in the No. 1 ESS. The other end of the test probe is bare wire.

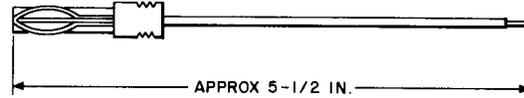


Fig. 14—730A Test Probe Tool

* Together with 11A headband replaces the 525 receiver.

2.15 735A: The 735A test probe tool (Fig. 15) is a double-ended type used in connecting a circuit pack test point to ground or to another test point.

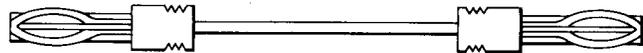


Fig. 15—735A Test Probe Tool

2.16 736A: The 736A clutch test probe tool (Fig. 16) is used to connect the terminals of the wiring field to the rear of the equipment. This tool is equipped on one end with a clutch test probe and is bare wire on the other end.

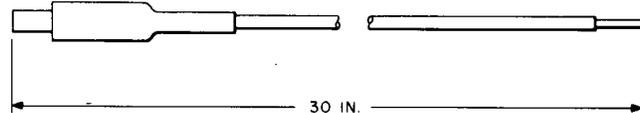


Fig. 16—736A Clutch Test Probe Tool

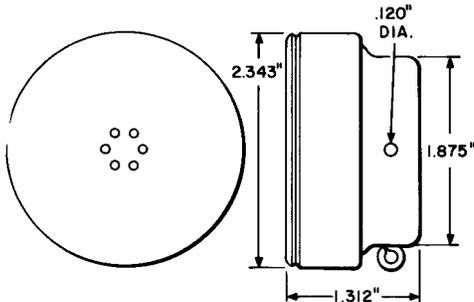


Fig. 12—716-Type Test Receiver Tool

2.13 729A: The 729A test probe tool (Fig. 13) is a faceplate type which consists of 22 gauge stranded vinyl insulated wire equipped at one end with a special test point intended for insertion into a faceplate test point location in the No. 1 Electronic Switching System (ESS). The other end is equipped with an adapter intended for direct connection to an oscilloscope.

2.17 737A: The 737A clutch pin probe tool (Fig. 17) is used in connecting two terminals of the wiring field together. This tool is equipped on both ends with a clutch test probe.

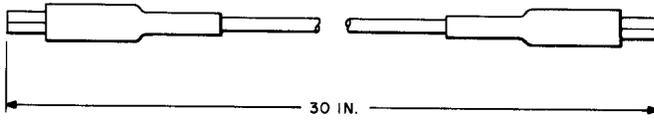


Fig. 17—737A Clutch Pin Probe Tool

2.18 738A: The 738A clutch test probe tool (Fig. 18) is used to connect the terminals of the wiring field to the rear of the equipment. This tool is equipped with a clutch test connector on one end and the other end with a scope adapter arranged for direct connection to an oscilloscope.

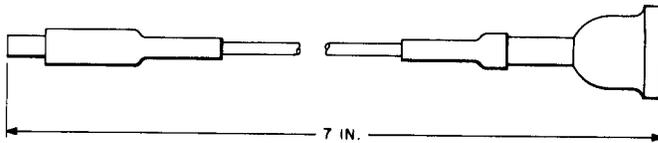


Fig. 18—738A Clutch Test Probe Tool

2.19 742A: The 742A test plug tool (Fig. 19) is used with the KS-14510 meter to test load circuits associated with KS-14169 fuse blocks and other fuse blocks used with 70-type fuses in the TD2 Radio Relay System.

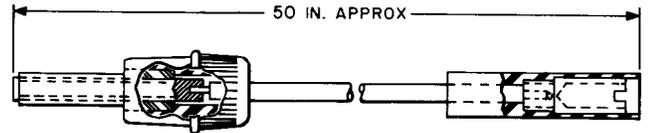


Fig. 19—742A Test Plug Tool