

EXTENDERS

DESCRIPTION

TOOLS

1. GENERAL

1.01 This section describes Bell System coded extenders.

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 14A, 15A, 16A, 18A, 19A, 20A, 32A, 38A, 226A, 930A, 937A, and 956A tools
- (b) To update to standard format.

1.03 For similar type tools, see Adapters I, Section 074-202-114 and Adapters II, Section 074-202-115.

2. DESCRIPTION OF TOOLS

2.01 13A: The 13A extender tool is used to extend JW-type circuit packs for testing.

2.02 13B: The 13B extender tool is used to extend AR-type circuit packs for testing.

2.03 14A: The 14A extender tool is used to extend circuit packs and provide access, shorting, grounding, and opening capability for the associated signal leads.

2.04 15A: The 15A extender tool is used on the 151A power plant in the No. 3 Electronic Switching System (ESS). This extender consists of a printed wiring board equipped with a 940A connector.

2.05 16A: The 16A extender tool is used on 202-type data sets where mounting prevents normal build-in test accessibility. This extender consists of a printed wiring board equipped with one 908B connector and one KS-19087, L6, connector.

2.06 17A: The 17A extender tool (Fig. 1) was developed for use with miniature wire spring relay trunk circuits in No. 4A ESS Toll Systems to provide access to the circuit boards. This extender will plug into any position of any housing on the frame. This extender is used on J61561 BD, BE, BF, BH, and BJ No. 4A ESS trunk units.

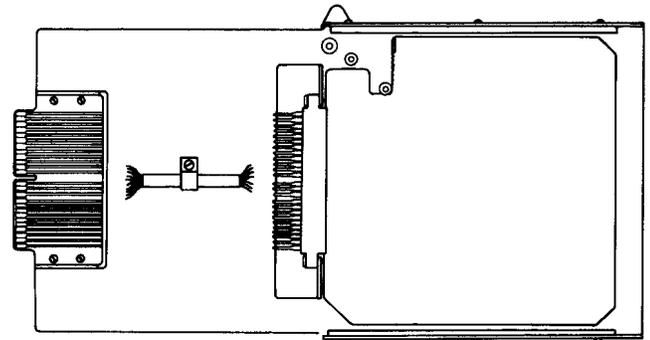


Fig. 1—17A Extender Tool

2.07 18A: The 18A extender tool is used on 4-wire private lines to allow for trouble analysis. This extender consists of a printed wiring board equipped with a 840741045 connector.

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2.08 19A: The 19A extender tool (Fig. 2) is used to extend the 172A regulator in the J86834B ringing and tone plant for zone 16 extended zone ringing. Two extenders are required per regulator. This extender consists of a printed wiring board assembly and a KS-21244, L1, connector attached to a bracket assembly.

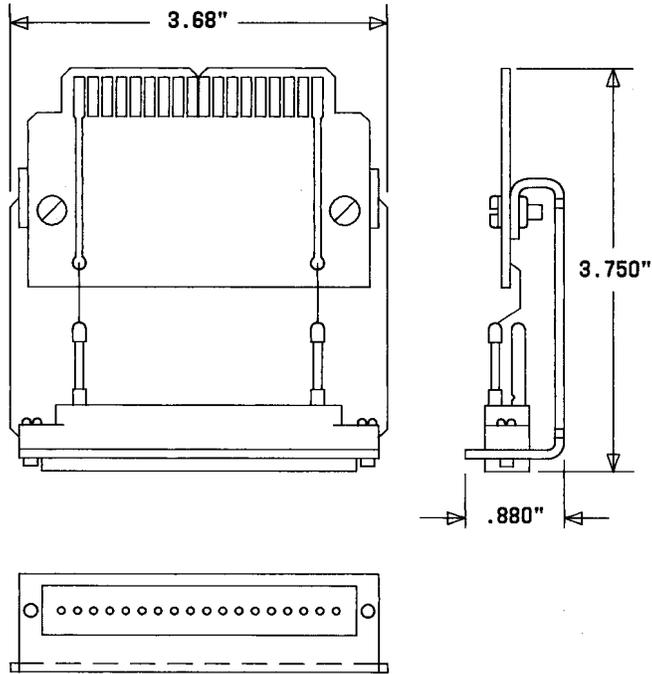


Fig. 2—19A Extender Tool

2.09 20A: The 20A extender tool (Fig. 3) is used with a 23A shelf to permit the 132AE power unit to be extended 8.37 inches out of its normal position in the 80C apparatus mounting for testing and adjusting in the field.

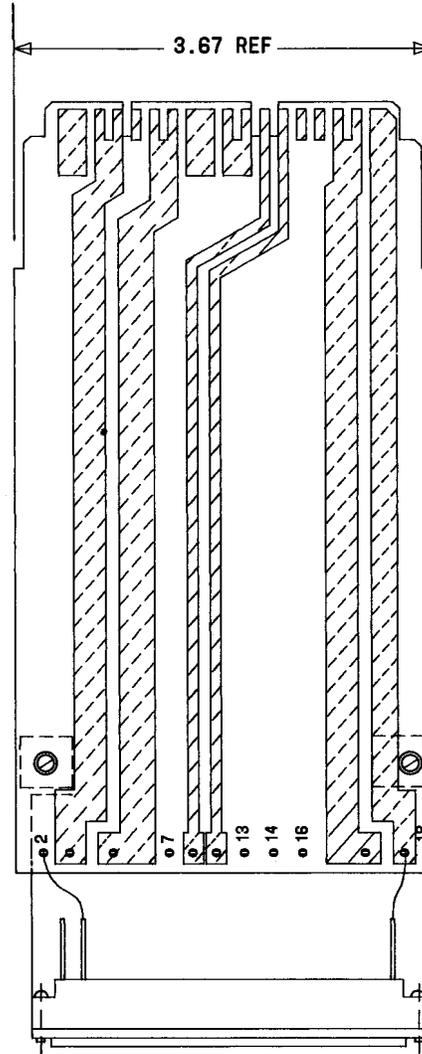


Fig. 3—20A Extender Tool

2.10 21A: The 21A extender tool is used to extend AR-type circuit packs for testing. The 21A is part of the 1021A tool kit.

2.11 32A: The 32A extender tool is used for testing and trouble analysis of the 32A Communication System. This extender consists of a printed circuit board which provides access points to the back plane.

2.12 38A: The 38A extender tool is used in conjunction with the 190A or 191A test sets for testing the optical lines through the J98734 AR line regenerator shelf assembly. This extender consists of a printed wiring board with a faceplate assembly arranged to plug into one 941A electronic connector and two 1003A light-guide connectors.

2.13 226A: The 226A extender tool (Fig. 4) is designed to extend AC-type circuit packs from their normal mounting position for in-circuit testing. This extender is used on the 800A, 801A, and 805A PBX.

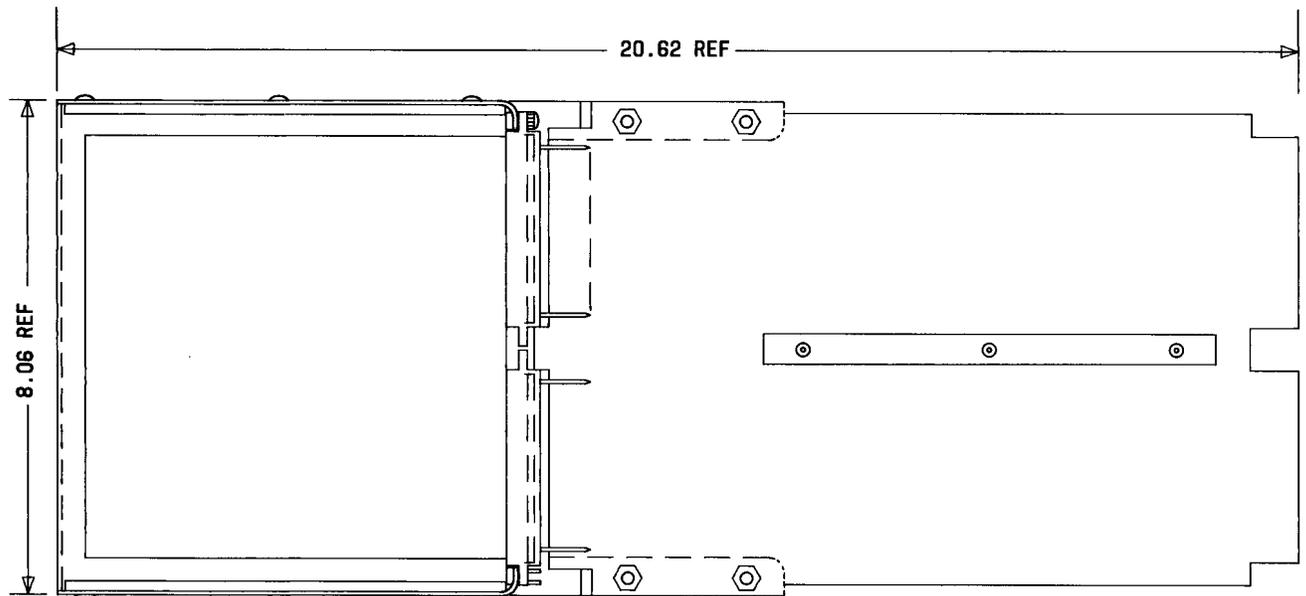


Fig. 4—226A Extender Tool

2.14 727B: The 727B extender tool (Fig. 5) permits circuit packs in the No. 101 ESS to be extended for testing purposes. This extender has 38 terminals.

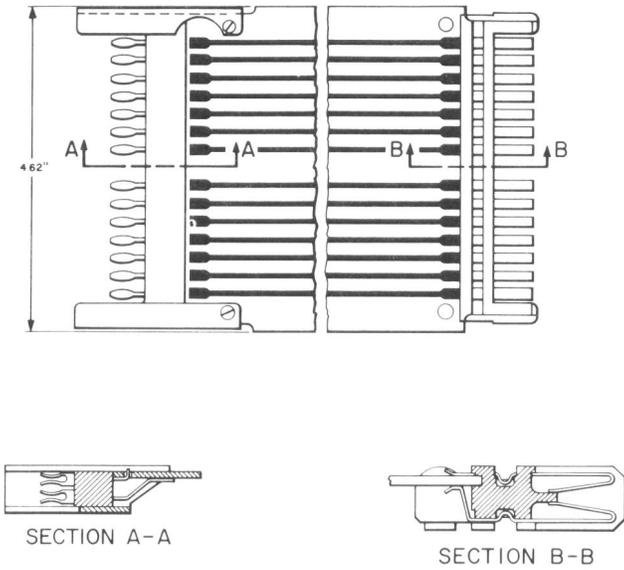


Fig. 5—727B Extender Tool

2.15 728B: The 728B extender tool (Fig. 6) permits circuit packs in the No. 101 ESS to be extended for testing purposes. This extender has 28 terminals.

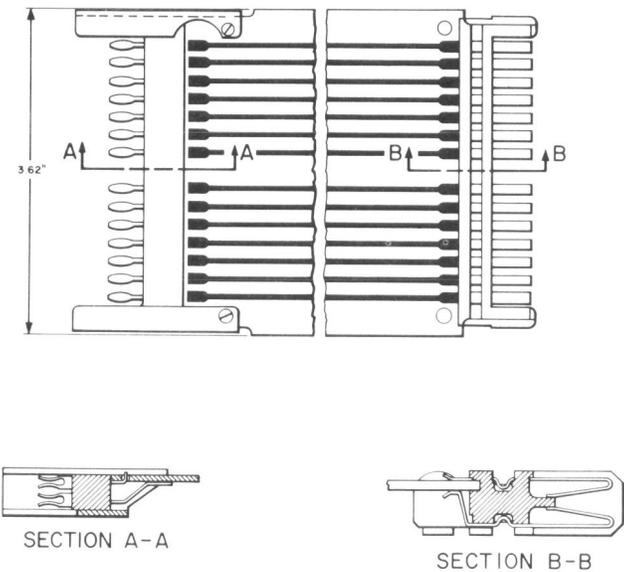


Fig. 6—728B Extender Tool

2.16 789A: The 789A extender tool (Fig. 7) is arranged for insertion into a 940A connector. This extender provides access to the 4-wire T, R, and T and R leads when inserted for testing purposes.

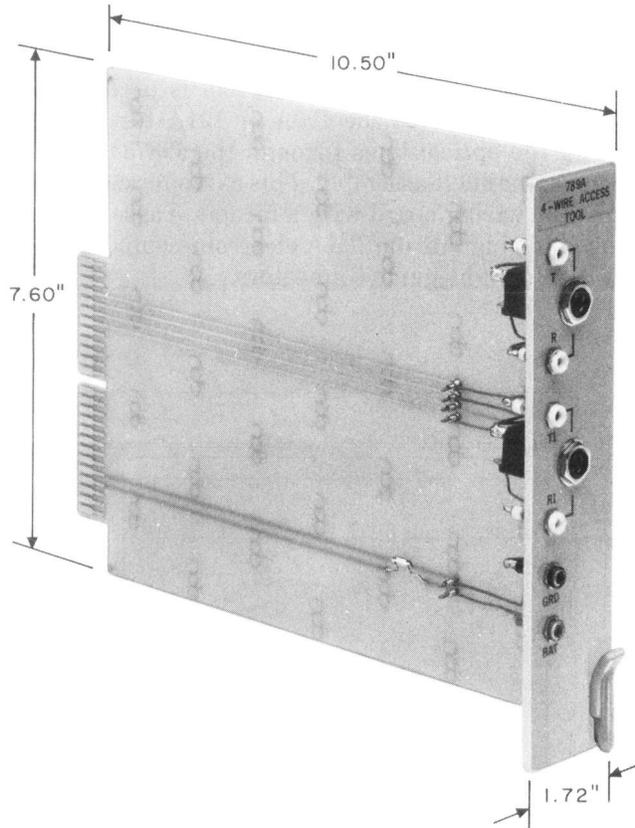


Fig. 7—789A Extender Tool

2.17 794A: The 794A extender tool (Fig. 8) is used on the No. 942- and 943-type connectors.

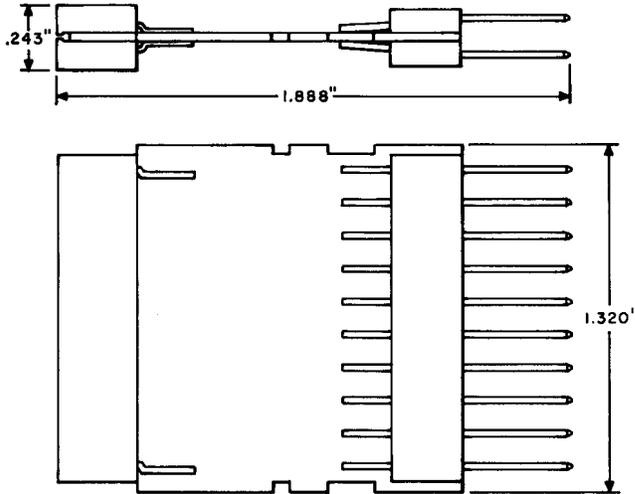


Fig. 8—794A Extender Tool

2.18 **801A:** The 801A extender tool (Fig. 9) is used to extend the A699 circuit packs on the service observing unit, J3B007AC-50 for testing.

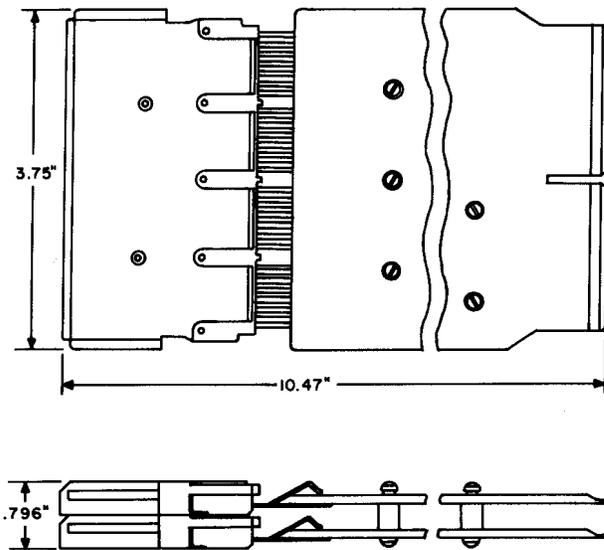


Fig. 9—801A Extender Tool

2.19 **804A:** The 804A extender tool (Fig. 10) is used to extend the D39 circuit packs for testing.

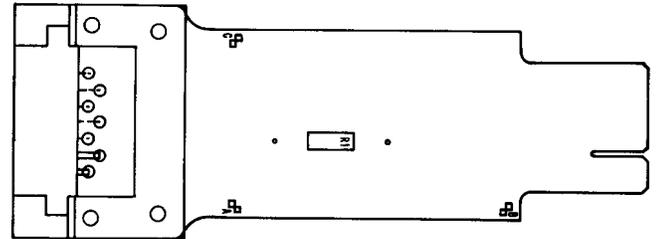


Fig. 10—804A Extender Tool

2.20 **826A:** The 826A extender tool is Mfr Disc. with no replacement.

2.21 **826B:** The 826B extender tool is used to extend FB-type circuit packs for testing. It is an 80-pin extender.

2.22 **830A:** The 830A extender tool is used to extend FE-type circuit packs for testing.

2.23 **830B:** The 830B extender tool is used to extend FF-type circuit packs for testing.

2.24 **830C:** The 830C extender tool is used to extend FG-type circuit packs for testing.

2.25 **907B:** The 907B extender tool is used to extend TN60 through 65, 69, and 70 circuit packs for testing.

2.26 **907C:** The 907C extender tool is used to extend TN7, 12, 14, and 16 circuit packs for testing.

2.27 **918B:** The 918B extender tool is used to extend UN32, 33, 74, 75, 76, 79, 80, and 81 circuit packs for testing.

SECTION 074-214-130

2.28 918C: The 918C extender tool is used to extend UN1 through 14, 16, 18, 21 through 24, 28, 31, 34 through 37, 39, and 40 circuit packs for testing.

2.29 918D: The 918D extender tool is used to extend UN9, 19, and 26 circuit packs for testing.

2.30 930A: The 930A extender tool is used to extend the FC-type circuit packs in the No. 2 ESS remreed network for testing. The FC extender board assembly consists of a rigid printed circuit board terminated on one end by a connector assembly and the other end by a 946C connector.

2.31 937A: The 937A extender tool is used to extend the LC-type circuit packs for testing. The LC-type extender consists of a rigid printed circuit board terminated on one end by a connector assembly, a latch assembly, and other component apparatus.

2.32 956A: The 956A extender tool (Fig. 11) is used during the adjustment procedure of 4-wire trunk hybrid balancing networks of the Common Channel Interoffice Signaling (CCIS) Continuity Check Transceiver or the CCIS Continuity Check Diagnostic Test Circuit.

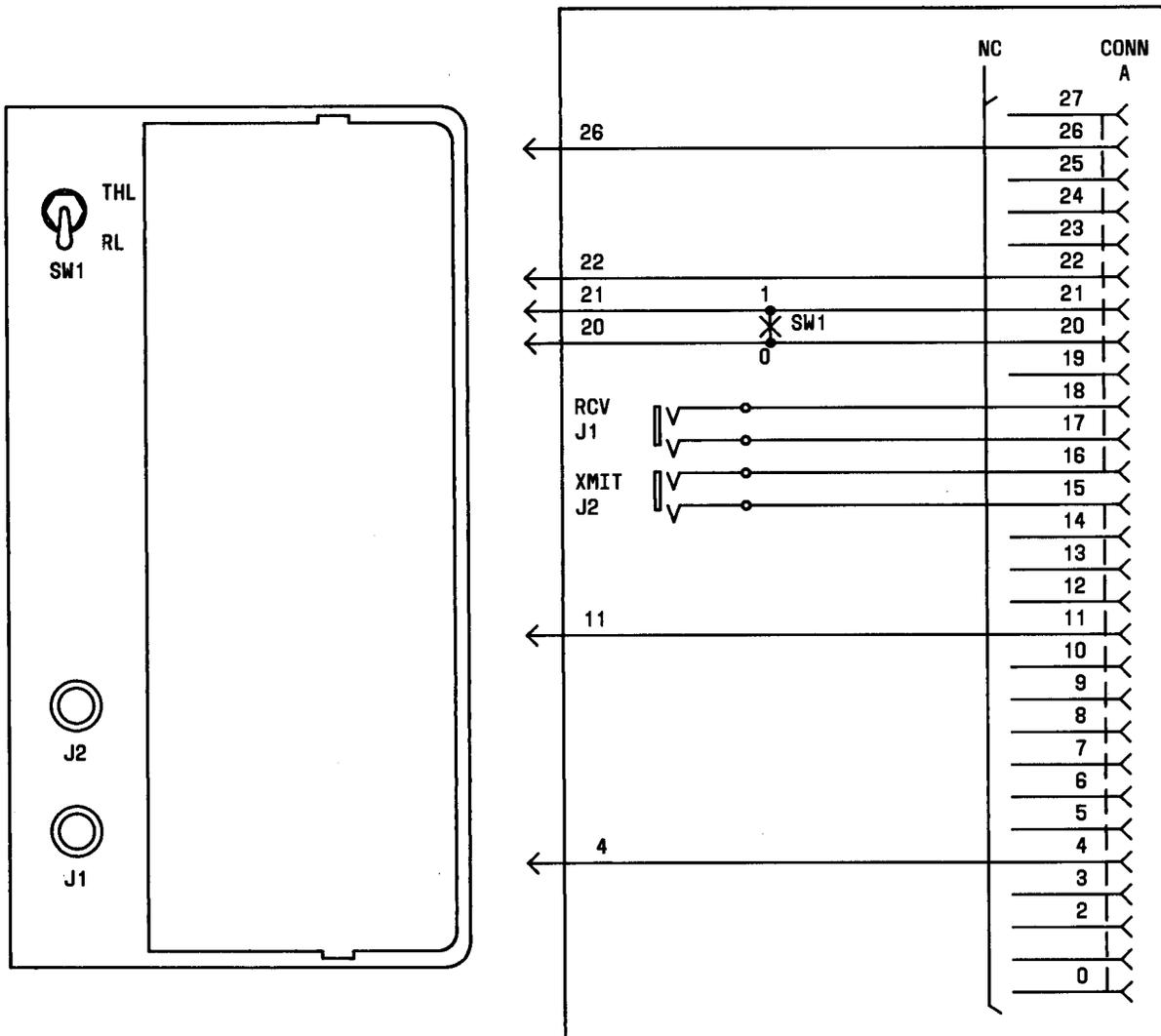


Fig. 11—956A Extender Tool