

TOOL KIT III
DESCRIPTION
TOOLS

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1. GENERAL

1.01 This section describes noncoded tool kits within the part or type number range of KS-20558 through KS-22876 and commercial tool kits.

1.02 This section is reissued to add the KS-22488, L1, tool kit, the KS-22678, L1, tool kit, and the KS-22876, L2, pin kit. Revision arrows are used to emphasize significant changes.

1.03 See the tool index Section 074-000-001 for other tool kit practices.

1.04 The following is a list of tools that have been rated Mfr Disc. without replacement.

KS-6527

KS-13500

KS-14746

KS-16930, L1.

2. DESCRIPTION OF TOOLS

2.01 **KS-20558, L1:** The KS-20558, L1, kit is used to replace defective halves of 287, 288, and D-179985 (modified 287B) relays. The kit consists of

a KS-20557, L1, case equipped with a polyethylene foam tray, a label for tool identification, and the following items:

QTY.	DESCRIPTION
1	417A Tool
1	565A Tool
1	L-116519 Wrench
1	L-116518 Holder Assembly
2	L-116516 Clamping Springs
2	L-116515-1 Screwdriver Wedges
2	L-116515-2 Screwdriver Wedges
2	L-116514-4 Wedging Nuts
2	L-116514-3 Wedging Nuts
2	L-116514-2 Wedging Nuts
2	L-116514-1 Wedging Nuts

2.02 **KS-21774, L1:** The KS-21774, L1, tool kit consists of a KS-21774, L5, 7-drawer machinist chest containing tools and gauges for checking and adjusting the 1A card loader, 1A memory unit, and 1A memory card writer in the 1ESS* switching system. The kit consists of the following items:

QTY.	DESCRIPTION
1	KS-7666 Can, Oil
1	AT-7739 Screwdriver B1, PHILLIPS† No. 1

* Trademark of Western Electric Co.

† Trademark of Phillips Screw Company

NOTICE

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

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QTY.	DESCRIPTION	QTY	DESCRIPTION
1	AT-7825 Screwdriver C6, 6-inch cabinet	1	KS-21774, L15, Gauge, Tension, 0-6 Pounds
1	AT-8032 Kit, C kit, key, 9/64 inch, 5/32 inch ALLEN*	1	KS-21774, L20, Brush
2	KS-3093 Brush	1	KS-21774, L25, Pliers, External Retaining Ring
6	KS-6320 Stick, Orange	1	KS-21774, L30, Applicator, E Ring
1	KS-14642 Can, Oiler	1	KS-21774, L35, Puller, Gear
1	KS-19873, L1, Gauge, Cylinder	1	KS-21774, L40, Scale, 6-inch
1	KS-19874 Gauge, Finger	1	KS-21774, L45, Screwdriver, Jeweler's
1	KS-19876 Gauge, Loader Mounting	1	KS-21774, L50, LOCTITE*, Sealant, 10 cc bottle
1	KS-19877 Gauge, End Switch	1	KS-21774, L55, LOCTITE, Sealant, 10 cc bottle
1	KS-19878 Gauge, Pawl	1	KS-21774, L60, Viewer, Magnetic Tape
1	KS-19879 Screw, Jack	1	KS-21774, L65, Wrench, 18-inch Adjustable
1	KS-19907 Gauge, Switch S6-S7-S8	1	KS-21774, L70, Wrench, Spline Key, 5/16 inch
1	KS-19908, Gauge, Card Retaining	1	KS-21774, L75, Wrench, Spline Key, 0.048 inch
1	KS-19910 Gauge, Trip Rod Switch	1	KS-21774, L76, Wrench, 1/4 inch and 3/8 inch
1	KS-20226 Gauge, Head Alignment	1	KS-21774, L77, Wrench, 7/32 inch and 5/16 inch
1	KS-20642, L10P, Nameplate	1	KS-21774, L78, Wrench, 3/8 inch and 7/16 inch
1	KS-21774, L10, Gauge, Tension, 0-30 Pounds	1	KS-21774, L80, Wrench, Open End, 9/32 inch and 11/32 inch
1	KS-21774, L11, Gauge, Gram Tension, 0-1000 Grams	1	KS-21774, L85, Adjuster
1	KS-21774, L12, Gauge, Feeler, 0.0015 inch—0.025 inch	1	KS-21774, L90, Mirror
1	KS-21774, L13, Gauge, Feeler, 0.026 inch—0.040 inch, 0.055 inch, 0.060 inch, and 0.065 inch		
1	KS-21774, L14, Gauge, Gram Tension, 50-0-50 Grams		

* Trademark of Allen Manufacturing Company

* Trademark of Loctite Corporation

2.03 **KS-22488, L1:** The KS-22488, L1, tool kit is primarily intended for making repairs on 1/1A, 2B, 3, and 4 ESS switching equipment type backplanes where wiring must be done in very confined or congested spaces. The kit consists of a KS-22488, L101, case equipped with the following items:

QTY	DESCRIPTION
1	KS-8511 Tweezer, Bent
1	KS-21774, L145, Screwdriver, Jewellers
1	KS-22488, L102, Tweezer
1	KS-22488, L103, Hook
1	KS-22488, L104, Clamp, Plier
1	KS-22488, L105, Probe
1	KS-22488, L106, Wire Wrapping Tool
1	KS-22488, L107, Wire Unwrapping Tool
1	KS-22488, L108, Cutter, Wire
1	KS-22488, L109, Cutter-Stripper Wire, 30 Gauge
1	KS-22488, L110, Cutter-Stripper Wire, 28 Gauge
1	KS-22488, L111, Scissor
1	KS-22488, L112, Wire, 30 Gauge, Single, 100 feet
1	KS-22488, L113, Wire, 30 Gauge, Paired, 50 feet
1	KS-22488, L114, Wire, 28 Gauge, Single, 100 feet
2	KS-22488, L115, Test Lead Adapter, Short, Red
2	KS-22488, L116, Test Lead Adapter, Short, Blue
2	KS-22488, L117, Test Lead Adapter, Short, Yellow
2	KS-22488, L118, Test Lead Adapter, Short, Orange

QTY	DESCRIPTION
2	KS-22488, L119, Test Lead Adapter, Long, Red
2	KS-22488, L120, Test Lead Adapter, Long, Blue
2	KS-22488, L121, Test Lead Adapter, Long, Yellow
2	KS-22488, L122, Test Lead Adapter, Long, Orange
1	KS-22488, L123, Sleeving, Polymide, Pkg of 25
1	KS-22488, L124, Inserter, Sleeving
1	KS-22488, L125, Marker, Terminal, Pkg of 250
30	KS-22488, L126, Tubing, No-Heat Shrink, Pkg of 2
2	KS-22488, L127, Labels, Wire, Numbers 0 to 49
2	KS-22488, L128, Labels, Wire, Numbers 50 to 99
1	KS-22488, L129, Magnifier, Illuminated, 4 Power

2.04 **KS-22678, L1:** The KS-22678, L1, tool kit is used to clean foreign material from the gold plated contact surfaces of 946-, 947-, 970- and 971-type connectors. For procedures on the use of this kit, refer to Section 069-350-801. The kit consists of the following items:

QTY	DESCRIPTION
1	KS-22678, L101, Handle
2	KS-22678, L102, Paddlepad (Pkg of 100)
2	KS-22678, L103, Solvent (MS-181)
1	KS-22678, L104, Instructions
1	KS-22678, L105, Case
1	KS-22488, L129, Illuminated Magnifier (4X)

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2.05 KS-22876, L2: The KS-22876, L2, pin kit (Fig. 1) is used to remove and replace terminal pins. For procedures on the use of this kit, refer to Section 075-129-301. The kit consists of the following items:

QTY.	DESCRIPTION
1	KS-22876, L101, Handle Assembly
1	KS-22876, L102, Extender Rod
1	KS-22876, L103, Head No. 1 (used to insert pins in spacer aligner areas)
1	KS-22876, L104, Head No. 2 W (used to insert pins in areas without spacer aligners)
1	KS-22876, L105, Head No. 3 (used to remove pins from wiring side)
1	KS-22876, L106, Head No. 4 (used to remove stub or broken pins from wiring side)
1	KS-22876, L107, Head No. 5 (used to remove pins from circuit pack side)
1	KS-22876, L110, Pin Gauge
1	KS-22876, L112, Case
1	KS-22876, L113, Instructions
1	KS-22876, L114, Deburring Head
1	KS-22876, L115, Drill Bit
1	KS-22876, L116, Pin Vise
25	KS-22876, L117, Insulated Pins
1	AT-7860, D Long Nose Pliers
25	1B3, Contact (Terminal Pins)

QTY.	DESCRIPTION
25	1B7, Contact (Terminal Pins)
25	1B8, Contact (Terminal Pins)
25	1B9, Contact (Terminal Pins)
25	1B10, Contact (Terminal Pins)
25	1B13, Contact (Terminal Pins)
25	1B14, Contact (Terminal Pins)
25	1C1, Contact (Terminal Pins)
25	1D1, Contact (Terminal Pins)♦

2.06 Miller Tool and Mfg Co, Inc, 300-WE Cable Stripper: The 300-WE cable stripper is available from K. Miller Tool and Mfg Co Inc, W. Springfield, MA 01090. It is used in stripping coaxial cables in L1 and L3 Carrier Systems, video amplifiers, and TD2 radios. This tool kit includes one mahogany fitted case equipped with the following items:

1	No. 300-WE Stripper, with Guard Plates
1	59U Collet Plate
1	WG 724 Gauge
1	Washer Shaped Screwdriver
1	WG 59U Gauge

Optional equipment, which must be ordered separately is as follows:

Set of Seven Replacement Knives
CPW 58U Collet Plate
WG 58U Gauge.

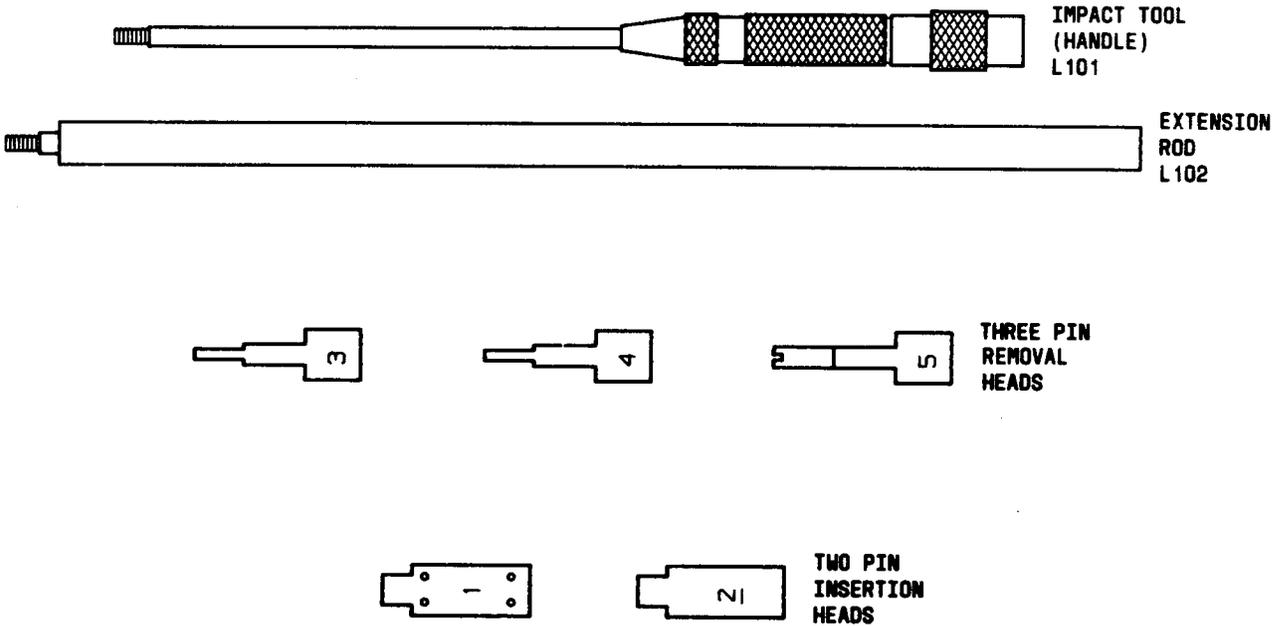


Fig. 1—KS-22876, L2, Pin Kit