

SOLDERING COPPERS AND IRONS

DESCRIPTION

TOOLS

1. GENERAL

1.01 This section describes Bell System coded and noncoded soldering coppers and irons.

1.02 This section is reissued to add the AT-7959B soldering copper, to revise the format, and to include the correct reference to Section 074-223-125. Revision arrows are used to emphasize significant changes.

1.03 The following is a list of tools that have been Mfr Disc. with their replacements.

TOOLS	REPLACEMENT
KS-8740, L1	KS-8740, L2
KS-8740, L4	KS-8740, L13
KS-8740, L5	KS-8740, L2
KS-8740, L6	KS-8740, L2
KS-8740, L7	KS-8740, L3
KS-8740, L8	KS-8740, L13
KS-8740, L10	KS-8740, L11
KS-8740, L12	KS-8740, L13
KS-8740, L21	KS-8740, L22
KS-14440, L1	KS-14440, L16
KS-14440, L2	KS-14440, L16
KS-14440, L3	KS-14440, L17
KS-14440, L5	KS-14440, L18
KS-14440, L6	KS-14440, L16

TOOLS

REPLACEMENT

KS-14440, L7 KS-14440, L17

KS-14440, L8 KS-14440, L18

KS-14440, L11 KS-14440, L13

KS-14440, L12 KS-14440, L13

KS-14582, L1 KS-14582, L2

2. DESCRIPTION OF TOOLS

2.01 ♦**AT-7959B**: The AT-7959B soldering copper is an electrically heated soldering copper, rated at 300 watts, operating on 115 volts ac or dc. It is equipped with a wood handle, a plug-type tip with a chisel point, a 25-foot cord, and a grounding-type plug. The copper is intended for use in joining cable conductors.♦

2.02 **KS-8740-Type**: The KS-8740, L2, L3, L9, L11, L13, and L22 soldering coppers (Fig. 1) are medium duty tools. Each tool has a cartridge-type heater, replaceable cord set, and a replaceable threaded tip. The tip must be ordered separately. The specifications for the soldering coppers are contained in Table A. For a soldering copper holder, 504A tool, refer to Section ♦074-223-125.♦ For piece-part data and replacement procedures, refer to Section 075-191-812.

2.03 **KS-14440-Type**: The KS-14440, L13, L16 through L18 soldering coppers (Fig. 2) are 45-watt, 120-volt, lightweight, quick heating soldering coppers; each consisting of a handle, replaceable heater, replaceable threaded tip, and a replaceable cord set. The tip must be ordered separately. The specifications for the soldering coppers are contained in Table B. For a soldering copper holder, 504A tool, refer to Section ♦074-223-125.♦ For piece-part data and replacement procedures, refer to Section 075-191-812.

NOTICE

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SECTION 074-257-105

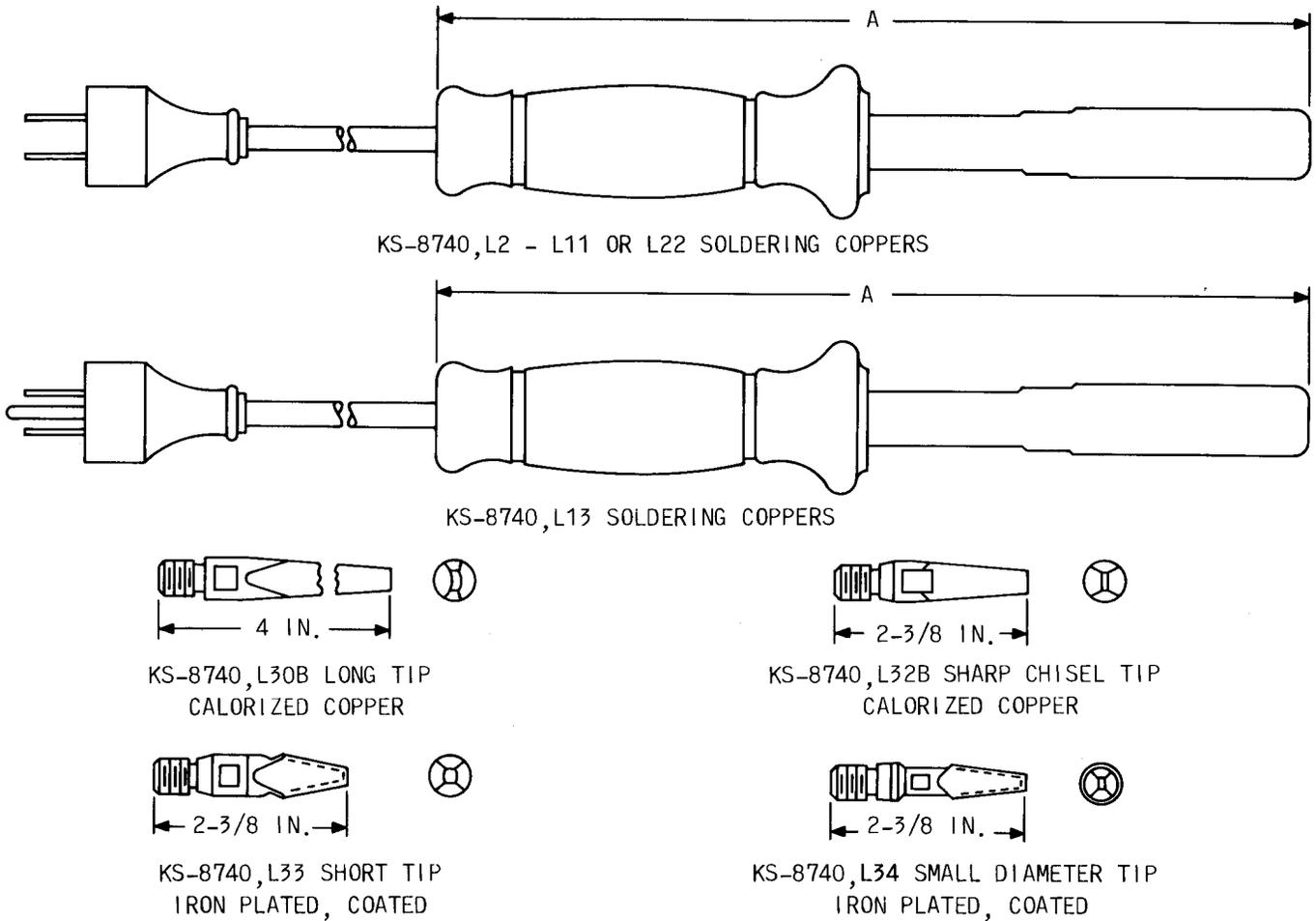


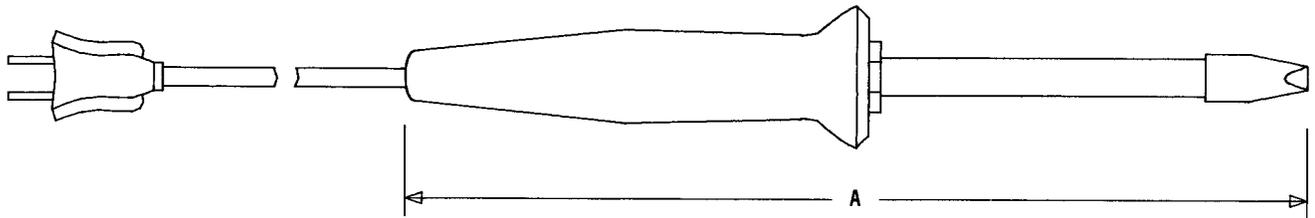
Fig. 1—KS-8740 Soldering Coppers

TABLE A

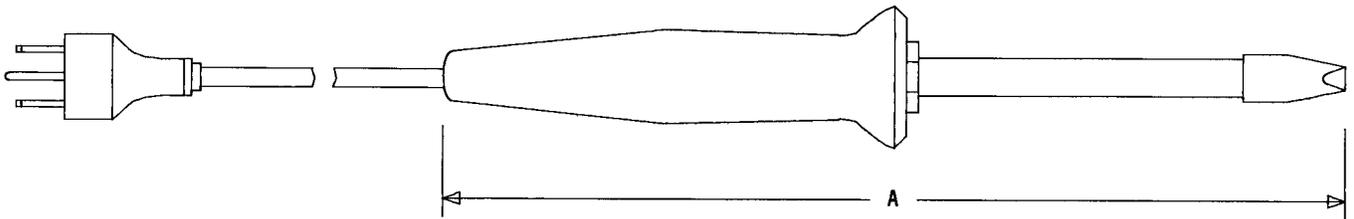
SPECIFICATIONS OF KS-8740 SOLDERING COPPERS

SOLDERING COPPER LIST NO.	WATTAGE	LENGTH DIM. A (INCHES)	CORD LENGTH (FEET)	CORD PLUG TYPE
2	95	11	20	2-Wire Standard
3	95	11	6	2-Wire Standard
9	110	11	20	2-Wire Standard
11	95	11	9	2-Wire Standard
13	95	11	6	3-Wire Ground
22	95	16-1/4	20	2-Wire Standard

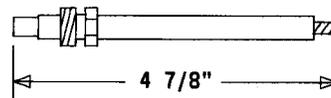
2.04 **KS-14582:** The KS-14582, L2, soldering copper (Fig. 3) is capable of furnishing soldering heat in 20 seconds for a duration of 6 minutes or more. The heat is generated by an expendable KS-14768 heat unit assembly (Fig. 4), which must be ordered separately. The KS-14582 soldering copper is intended for use where electricity is not available and an open flame produces a hazardous condition. For piece-part data and replacement procedures, refer to Section 075-191-812.



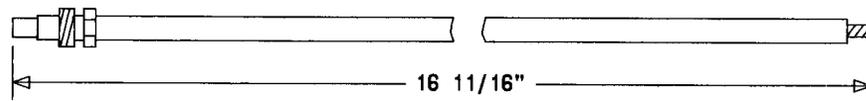
KS-14440, L13, L16 OR L17 SOLDERING TOOLS



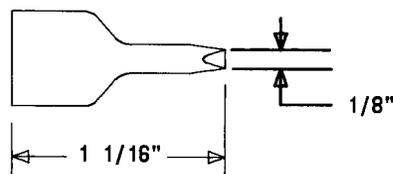
KS-14440, L18 SOLDERING TOOLS



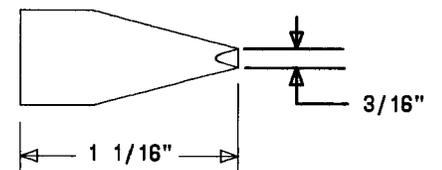
KS-14440, L25 HEATER ASSEMBLY



KS-14440, L26 HEATER ASSEMBLY



KS-14440, L35 IRON PLATED TIP AND
KS-14440, L36 COATED TIP



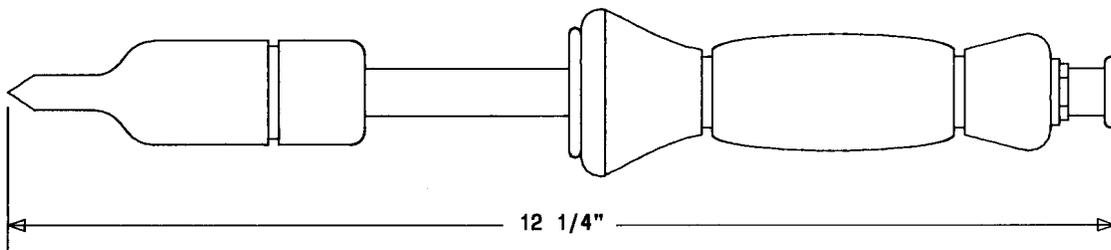
KS-14440, L37 IRON PLATED TIP AND
KS-14440, L38 COATED TIP

Fig. 2—KS-14440 Soldering Coppers

TABLE B

SPECIFICATIONS OF KS-14440 SOLDERING COPPERS

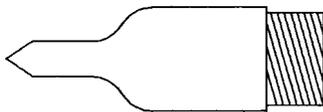
SOLDER- ING COPPER LIST NO.	HEATER ASSEMBLY LIST NO.	LENGTH DIM. A (INCHES)	CORD LENGTH (FEET)	CORD PLUG TYPE
13	26	21.5	20	2-Prong Standard
16	25	9.7	20	2-Prong Standard
17	25	9.7	6	2-Prong Standard
18	25	9.7	6	3-Prong Ground



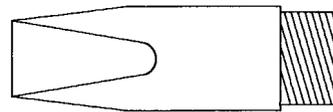
KS-14582, L2 SOLDERING COPPER ASSY



KS-14582, L11 FIRING PIN ASSY



KS-14582, L5 TIP



KS-14582, L4 TIP

Fig. 3—KS-14582, L2, Soldering Copper

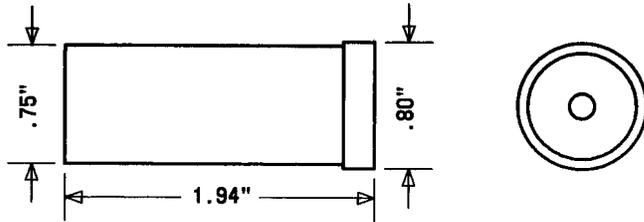


Fig. 4—KS-14768 Heat Unit Assembly

2.05 KS-16346, L1 and L2: The KS-16346, L1 and L2 (Fig. 5) are lightweight, quick-heating, miniature, 6-volt soldering irons which are primarily intended for use in removing and soldering connections in close spaces, such as on terminals of wire spring relays. The dimensions and characteris-

tics of the L1 and L2 irons are the same but are equipped with different heat units to function with their respective cable lengths. For piece-part data, refer to Section 075-191-812.

(a) **KS-16346, L1:** The KS-16346, L1 soldering iron is equipped with a KS-16346, L31 heat unit tip and a 9-foot cord attached at one end to a KS-16368 transformer for use with a 105/125-volt 50/60-cycle ac power supply.

(b) **KS-16346, L2:** The KS-16346, L2 soldering iron is equipped with a KS-16346, L32 heat unit tip and a 19-foot cord attached at one end to a KS-16368 transformer for use with a 105/125-volt 50/60-cycle ac power supply.

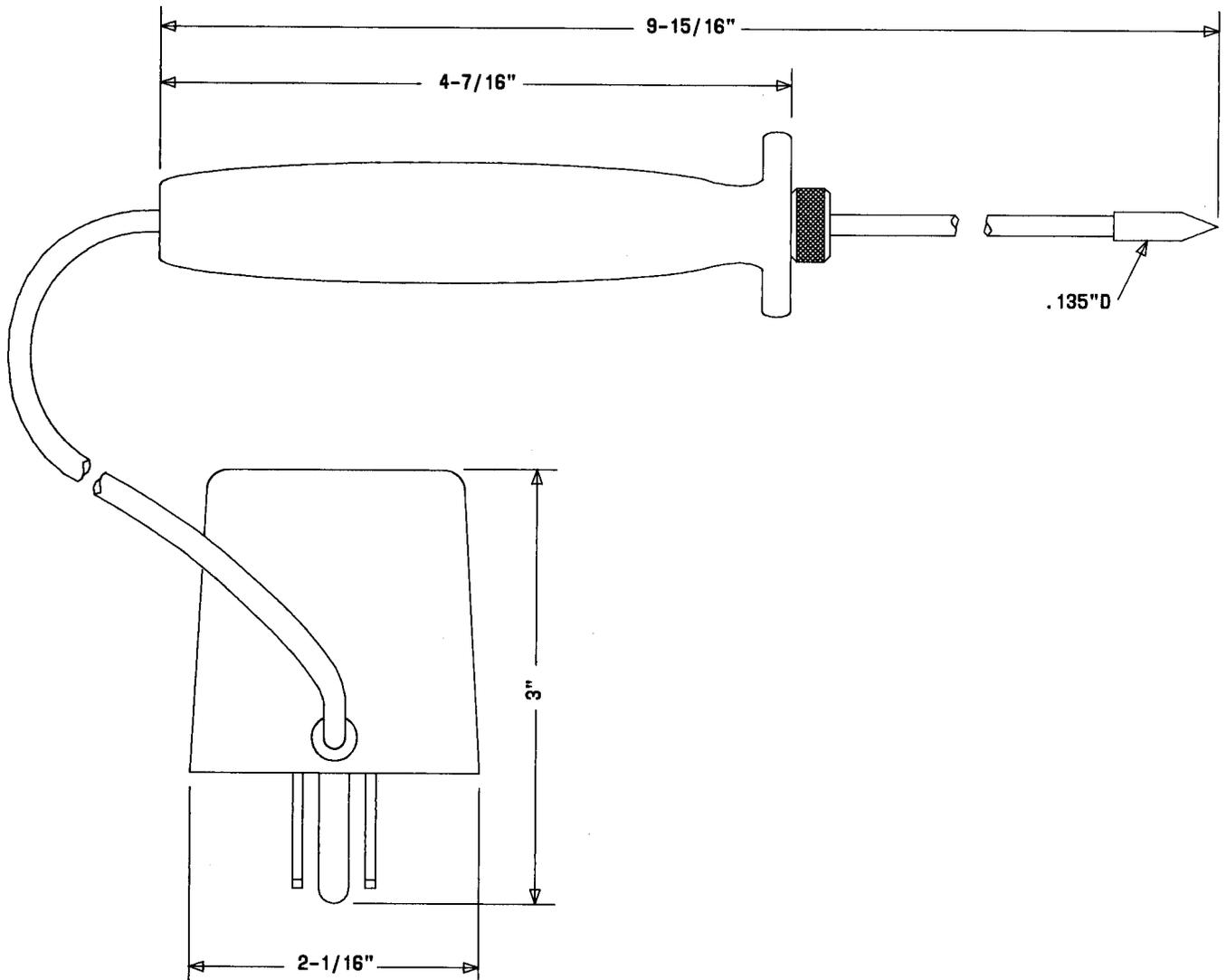


Fig. 5—KS-16346, L1 and L2, Soldering Irons