

NONCODED TOOLS

KITS I

DESCRIPTION

**166**

This tool kit includes the following items:

AMT	DESCRIPTION
1	R-2032 Shipping Case containing:
2	RM-657709 Rubber Aprons
1	R-1453 1/4-Inch Wood Chisel
1	R-1454 1-1/4 Inch Wood Chisel
1	R-1459 Lug Cutter
1	R-1309 Vixen 12-Inch File (Includes File Handle)
1	R-2681 Safety Goggles With Case (One Stick of Compound RM-641461 in Each Case)
1	R-1048 Hydrometer (A Syringe- Type Hydrometer for Testing Specific Gravity of Electrolyte in Storage Batteries)
1	R-2558 Padlock
2	R-1417 Lead Scrapers
12	R-1528 Battery Burning Tongs
2	R-2151 Battery Plate Tool Spacings
1	R-81384 Lead Burning Outfit

Remove hose connections of torch and hose assembly only when defective. Shellac connections when replacing, observing left-hand thread on hydrogen hose connector. For use in burning in storage battery plates.

**268**

This tool kit includes the following items:

AMT	DESCRIPTION
1	R-1883 Shipping Case containing:
1	R-6180 0.189-Inch Offset Slot Bender
1	R-5490 0.198-Inch Slot Bender
1	R-5950 0.167-Inch Slot Bender
1	R-5960 0.104-Inch Slot Bender
1	R-5510 1- by 1- by 8-Inch Fiber Block
1	R-5550 Clamp
1	R-1482 8-Inch Smooth Flat File
1	R-9430 1-Pound Claw Hammer
1	R-8370 2-Foot Carpenters Wood Level
1	R-2558 Padlock
1	R-5920 5/16- by 5-Inch Rod
1	R-5500 3/8- by 5-Inch Rod
11	R-5940 1/8- by 5-Inch Rod
1	R-5930 1/4- by 5-Inch Rod

For use in realigning and readjusting knife switches.

**1000A**

This tool kit includes the following items:

AMT	DESCRIPTION
1	15A Carrying Case containing:
1	491A Tool
1	492A Tool
1	493A Tool

For use in replacing bearings on reciprocating bar-type interrupters.

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**1013A**

This tool kit includes the following items:

AMT	DESCRIPTION
1	KS-16261 Carrying Case containing:
1	636A Tool
1	586B Tool (Holder and Guard for 636A Tool)
1	KS-16118 Carrying Case containing:
1	578E Tool
1	628A Tool
1	629A Tool
1	629B Tool
1	630A Tool
1	638A Tool
1	638B Tool
1	652A Tool
1	652B Tool
2	656A Tool
1	689A Tool
1	KS-14640 Pliers
1	KS-14641 Pliers
1	KS-16735 Pliers
1	768 Tool
1	P-15A994 Container for P-10A949 0.012-Inch Contacts
1	P-15A995 Container for P-19A353 0.026-Inch Contacts
1	P-16A181 Container for P-16A180 0.009-Inch Contacts
1	840 056 584 Electrode

Contacts are not furnished with the kit but must be ordered separately. For use with the 1004B tool kit in replacing precious metal contacts on wire spring relays.

**1014B**

This tool kit includes the following items:

AMT	DESCRIPTION
1	20B Carrying Case containing:
1	666B Tool
1	P-16A068 Container (For 669A Tools)
6	669A Tools
1	674A Tool
1	715A Tool
1	716A Tool
1	716B Tool
1	717B Tool
1	P-12B564 Plastic Box (For Wedges)
4	718A Tools (Wedges)
1	P-12B537 Container (For Terminal Guide Tubes)
8	P-12B536 Tubing (Terminal Guide Tubes)

Containers P-12B537, P-12B564, P-16A068, and P-12B536 tubing must be ordered separately. For use in replacing coils of AF-, AG-, AJ-, AK-, 286-, 287-, and 288-type relays.

**1015A**

This kit includes the following tools in addition to an assortment of replacement coils, relays, and other apparatus required for maintenance of remote units of the 1A line concentrator.

AMT	DESCRIPTION
1	Repairment Case (Specification AT-7179B)
1	KS-16363 L1 Wire Wrapping Tool
1	KS-16492 L1 Wire Unwrapping Tool
1	KS-16522 L1 Wrapping Bit
1	KS-16363 L30 Stationary Sleeve

For use in maintenance of the 1A line concentrator.

1017A		AMT	DESCRIPTION
This tool kit contains the following items:		1	P-11H642, Detail 30, Wedge, Top
AMT	DESCRIPTION	1	P-11H649, Detail 31, Wedge, Bottom
1	Case, Carrying, KS-20499 L1	1	P-11H643, Detail 32, Wedge, Top
1	P-11H619, Detail 1, Retainer Wedge Support Assembly	1	P-11H650, Detail 33, Wedge, Bottom
2	P-11H620, Detail 2, Spacer Nut	1	P-11H632, Detail 34A, Wedge
1	P-11H621, Detail 3, Post, Anchoring	1	P-11H651, Detail 34B, Wedge
2	P-11H622, Detail 4, Stud, Spacing	1	P-12B564, Plastic Box for Details 7 and 19
1	P-11H623, Detail 5, Wedge Inserter Assembly	1	628A Tool
4	P-12B536, Detail 6, Tubes With Plastic Container, P-12B537	1	Tool Kit, 1018A
1	P-11H624, Detail 7, Yoke Assembly	Replaces the 1014B tool kit in the repairing c AF-, AG-, AJ-, and AK-type wire spring relay.	
4	P-11H625, Detail 8, Insulator	→1018A←	
2	P-11H627, Detail 10, Retainer Assembly	This tool kit contains the following items:	
2	P-11H628, Detail 11, Retainer, Stud Spacer	AMT	DESCRIPTION
1	P-11H629, Detail 12, Support, Top Wedge	1	P-11H630, Detail 13, Comb
1	P-11H634, Detail 17, Support, Bottom Wedge	1	P-11H631, Detail 14, Comb
1	P-11H635, Detail 18, Bracket Assembly	1	P-11H633, Detail 16, Lifter
1	P-11H613, Detail 15, Bracket	1	840440168, Detail 35, Lifter
1	P-11H636, Detail 19, Clip	1	840286199, Detail 36, Lifter
1	P-11H637, Detail 20, Wedge, Top	1	840286207, Detail 37, Comb
1	P-11H644, Detail 21, Wedge, Bottom	1	840286215, Detail 38, Comb Lifter
1	P-11H638, Detail 22, Wedge, Top	Furnished as part of the 1017A tool kit. Intende for use in removing and replacing cards on AF AG-, AJ-, and AK-type relays.	
1	P-11H645, Detail 23, Wedge, Bottom	→1019A←	
1	P-11H639, Detail 24, Wedge, Top	This tool kit contains the following items:	
1	P-11H646, Detail 25, Wedge, Bottom	AMT	DESCRIPTION
1	P-11H640, Detail 26, Wedge, Top	1	Cable No. 1 808A Equipped With One Male KS-19279 L8 Connector and Hood and One Female KS-19278 L6 Connector and Hood
1	P-11H647, Detail 27, Wedge, Bottom	1	Cable No. 2 808A Equipped With One Male KS-19279 L8 Connector and Hood and One Female KS-19278 L6 Connector and Hood
1	P-11H641, Detail 28, Wedge, Top		
1	P-11H648, Detail 29, Wedge, Bottom		

## →1019A← (CONT)

AMT	DESCRIPTION
1	Cable No. 3 808A Equipped With One Male KS-19279 L10 Connector and Hood and One Female KS-19278 L9 Connector and Hood
1	Cable No. 4 808A Equipped With One Male KS-19279 L8 Connector and Hood and One Female KS-19278 L6 Connector and Hood
1	Cable No. 5 808A Equipped With One Male KS-19279 L8 Connector and Hood and One Female KS-19278 L6 Connector and Hood
1	Cable No. 6 808A Equipped With One Male KS-19279 L8 Connector and Hood and One Female KS-19278 L6 Connector and Hood
1	Cable No. 7 808A Equipped With One Male KS-19279 L8 Connector and Hood and One Female KS-19278 L6 Connector and Hood
1	Cable No. 8 808A Equipped With One Male KS-19279 L10 Connector and Hood and One Female KS-19278 L6 Connector and Hood
	Used to reduce system downtime when an adjacent failure occurs on the 32K signal processor call store.

## →1020A←

This tool kit contains the following items:

AMT	DESCRIPTION
1	507A Adjuster
1	R-2481 30-Pound Balance Spring
1	R-2580 Bolt and Nut Sealing
1	R-2966 Brush
2	KS-3093 Brush
1	486A Oilcan
1	KS-14642 Oilcan
1	R-2520 Case (For Small Tool and Gauges)
1	R-3881 Case (For Precision Gauges)

AMT	DESCRIPTION
1	R-3805 Chart (Issue 5) of Contents in Kit; Paste in Lid of R-3883 Case
1	R-3882 Chart (Issue 4) of Contents in R-2520 Case; Paste in Lid of R-2520 Case
1	R-3884 Chart (Issue 2) of Contents in R-3881 Case; Paste in Lid of R-3881 Case
1	R-3768 Depth Gauge
1	KS-19873 or R-3827 Cylinder Gauge
1	KS-19908 or R-3839 Card Retainer Gauge
1	KS-19877 or R-3826 End Switch Gauge
1	KS-6909 Feeler Gauge consisting of:
2	P-243663 0.0015 Inch
1	P-243664 0.002 Inch
1	P-243665 0.003 Inch
1	P-243666 0.004 Inch
1	P-243667 0.005 Inch
1	P-243668 0.006 Inch
1	P-243669 0.007 Inch
1	P-243670 0.008 Inch
1	P-243671 0.009 Inch
1	P-243672 0.010 Inch
1	P-243673 0.011 Inch
1	P-243674 0.012 Inch
1	P-243675 0.013 Inch
1	P-243676 0.014 Inch
1	P-243677 0.015 Inch
1	P-243678 0.016 Inch
1	P-243679 0.017 Inch
1	P-243655 0.018 Inch
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1	P-243657 0.020 Inch
1	P-243658 0.021 Inch
1	P-243659 0.022 Inch
1	P-243660 0.023 Inch
1	P-243661 0.024 Inch
1	P-243662 0.025 Inch
1	P-243683 Handle
1	KS-6938 Feeler Gauge consisting of:
1	P-247342 0.026 Inch
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1	P-247345 0.029 Inch

→1020A← (CONT)

AMT	DESCRIPTION	AMT	DESCRIPTION
1	P-247346 0.030 Inch	1	R-2485 or R-3780 5/32-Inch Allen Wrench
1	P-247347 0.031 Inch	1	R-2670 or R-3780 3/32-Inch Allen Wrench
1	P-247348 0.032 Inch	1	R-2671 or R-3780 1/8-Inch Allen Wrench
1	P-247349 0.033 Inch	1	R-2812 or R-3780 3/16-Inch Allen Wrench
1	P-247350 0.034 Inch	1	R-2958 or R-3780 5/64-Inch Allen Wrench
1	P-247351 0.035 Inch	1	R-2959 or R-3780 1/16-Inch Allen Wrench
1	P-247352 0.036 Inch	1	R-2961 or R-3780 0.050-Inch Allen Wrench
1	P-247353 0.037 Inch	1	R-3415 or R-3780 7/64-Inch Allen Wrench
1	P-247354 0.038 Inch	1	R-3416 or R-3780 9/64-Inch Allen Wrench
1	P-247355 0.039 Inch	1	R-2512 8-Inch Adjustable Wrench
1	P-247356 0.040 Inch	1	R-1945 5/16-Inch Bristol Multispline Wrench
1	P-247470 Handle	1	R-4090 0.048-Inch Bristol Multispline Wrench
1	KS-19874 or R-3822 Finger Gauge	1	418A 7/32-Inch-5/16-Inch O.E. Wrench
1	R-3658 Gram Tension Gauge, Barrel-Type 0-1000 consisting of:	1	417A 1/4-Inch-3/8-Inch O.E. Wrench
1	79B Gauge	2	R-3193 9/32-Inch-11/32-Inch O.E. Wrench
1	R-1972 Shipping Case	1	245 3/8-Inch-7/16-Inch O.E. Wrench
1	70D Gram Tension Gauge Fan-Type 50-0-50	1	R-3883 Carrying Case (Preceding Items Packed in This Case)
1	R-2771 Tension Gauge 0-6 Pounds		
1	KS-19909 or R-3820 Head Aligning Gauge		
1	KS-19876 or R-3823 Load Mounting Gauge		
1	KS-19878 or R-3825 Pawl Gauge		
1	KS-19875 Switch Gauge		
1	KS-19907 S6-S7-S8 Switch Gauge		
1	KS-19910 or R-3837 Trip Rod Switch Gauge		
1	376A Large Mirror		
1	R-2558 Padlock (With Two Keys)		
1	R-2975 External Snap Ring Pliers		
1	R-3971 Protractor		
1	R-3831 Gear Puller		
1	R-8550 6-Inch Scale		
1	KS-19879 or R-3830 Jack Screw		
1	R-2259 6-Inch Cabinet Screwdriver		
1	R-3110 Phillips-Type Screwdriver		
1	R-1005 7/8-Inch Keweler's Screwdriver		
1	R-3832 A Loctite Sealant		
1	R-3833 C Loctite Sealant		
2	KS-6320 Orange Stick		
1	R-3885 Magnetic Tape Viewer E/W Case		
1	R-3769 1/4-Ounce Weight		
1	R-3770 1/2-Ounce Weight		

For use in checking and adjusting ESS apparatus.