

**NUMERICAL INDEX — DIVISION 100**  
**TEST EQUIPMENT, ELECTRICAL INDICATING INSTRUMENTS AND METERS**  
**(COMMON USAGE)**  
**MAINTENANCE, SELECTION AND USE**

**1. GENERAL**

- 1.01** This section provides an index of System-issued sections in Division 100.
- 1.02** A bullet (●) indicates an item that has been added or changed since the previous issue of the index.
- 1.03** A square (□) indicates a canceled item. Information relating to the cancellation, if necessary, will be shown in a note following the item. Canceled items and related notes will be deleted upon reissue of the index.
- 1.04** A heart (♥) indicates a new or reissued item which, because of its limited needs, has not been distributed on standing orders. Locations requiring these items should place regular (one-time) orders for them.
- 1.05** "Add" is the abbreviation for Addendum, and "Sup" is the abbreviation for Supplement.

**2. LAYERS**

- 2.01** This division is arranged in layers as follows:
- 100-0 Indexes and Equipment Test Lists
    - 1 Miscellaneous Test Sets
    - 2 Pulsing and Signaling Test Sets
    - 3 Test Panels
    - 5 Electrical Indicating Instruments and Meters
    - 6 Electron Tube Test Sets, Tube Test Data, Oscilloscopes and Oscillographs
    - 8 Wheatstone Bridges

**3. INDEX**

Section Number	Issue	Subject
<b>100-0 INDEXES AND EQUIPMENT TEST LISTS</b>		
● 100-000-000	33	Numerical Index — Division 100 — Test Equipment, Electrical Indicating Instruments and Meters — (Common Usage) — Maintenance, Selection and Use
● 100-001-011	4	ETL
<b>100-1 MISCELLANEOUS TEST SETS</b>		
100-100-102	1	No. 22-B Test Set — Description
Add 100-101-101	1	
100-101-101	6	35-Type Test Sets — SD-96003-01 (J94714A) and SD-95410-01 (J94714B) — Description and Application
100-101-301	2	Use of No. 35 Type Test Set As a Variable Resistance
100-101-801	3	Test Sets Nos. 35C, 35D and 35F — Piece-Part Data and Replacement Procedures
100-102-101	1	No. 40C Test Set — Description and Application

Section Number	Issue	Subject
100-105-101	1	No. 73A Test Set — Description
100-120-101	7	Handsets (Dial Hand Test Sets) — Description
100-130-101	1	Test Set For Timing Tests — J24753A — Description and Application
100-130-501	1	Test Set For Timing Tests — SD-25707-01 (J24753A) — Description
100-131-100	2	Brush Recorder Mark II
100-131-120	1	Brush Recorder Mark 220
♥ 100-131-130	1	Gating Circuit to Control Brush Oscillographs (Pen Recorder)
100-132-100	1	KS-19690 Pen Recorder
100-133-100	1	Esterline Angus 20-Pen Event Recorders
100-134-100	1	Varian Model G-11A Strip-Chart Recorder — Description, Operation, and Application
100-135-101	1	Connector Test Set — SD-31637-01 (J34719A) — Description and Application
100-136-301	2	Magnetic Latching Relay — Timing Test Set J94735A Operation
100-136-701	2	Magnetic Latching Relay — Timing Test Set (J94735A) — Calibration
100-137-101	1	Relay Timing Test Set — SD-90418-01 (J94713A) — Description and Application
100-137-501	3	Relay Timing Test Set — SD-90418 (J94713A) — Tests and Inspections
100-138-101	3	Contact Closure Test Set — J94724A — Description and Application
100-139-101	5	Test Set — SD-95439-01 (J94725A) — For 275-, 276-, 291-, 292-, 301-, 303-, 316-, 320-, and 321-Type Relays — Description and Application
Add 100-140-701	1	
100-140-701	2	50 Type Dial Testers — Requirements and Adjusting Procedures
100-141-701	3	51 Type Dial Testers — Requirements and Adjusting Procedures
100-141-801	2	51 Type Dial Testers and Associated No. 16A Bracket — Piece-Part Data and Replacement Procedures

## SECTION 100-000-000

Section Number	Issue	Subject
100-143-501	1	Touch-Tone — Station Test Receiver (J99297) — Tests
100-143-701	1	Touch-Tone — Station Test Receiver (J99297) — Adjustments
Add 100-150-101	1	
100-150-101	2	1A Fault Locator Test Set J94730A — Description and Application
100-150-301	2	Use of 1A Fault Locator Test Set
100-160-101	2	KS-12054 Test Set For 400-Type Germanium Varistors — Description and Application
100-171-101	1	908A Logic Circuit Test Set — Description and Operation
100-172-101	1	Frequency Counter KS-19247 L1 and L2 — Description and Application
100-197-101	1	Automatic Call-Thru Test Set SD-32522-01 (J34728) — Description
100-197-500	2	Automatic Call-Thru Test Set SD-32522-01 (J34728) — Performance Tests and Adjustments
100-198-101	1	Automatic Call-Thru Test Set ITE 4557-T — Description
100-198-501	1	Automatic Call-Thru Test Set ITE 4557-T — Performance Tests and Adjustments
100-198-502	1	Call-Thru Tests — Using Automatic Test Set ITE 4557-T — No. 1 and 350A Step-by-Step and 355A and 35-E-97 Community Dial Offices and Step-by-Step Type PBX

### 100-2 PULSING AND SIGNALING TEST SETS

100-232-501	3	Pulsing Test Set SD-31481-01 (J34717A) — Tests and Inspections
100-233-101	2	Pulse Repeating Test Set — J64722A — Description and Application
100-234-101	2	Pulse Checking Test Set SD-96362-01 (J94723A) — Description and Application
100-261-101	1	Per Cent Break Meter — KS-7361 — Description
100-262-101	1	1A Signaling Test Set and Signaling Test Panels J68602CD (2CD) and J68602CE (2CE) — Description
100-263-501	5	2A, 2B, and 2B-1 Signaling Test Sets and Associated Pulse-Repeating Adapter Circuit — J64730 — Tests and Inspections
100-264-101	2	AC Relay and Signaling Test Set — J68602AJ — Description and Application
100-265-101	2	Test Set For Measuring 20- and 135-Cycle Signaling and Other AC Voltages — J68602AH — Description and Application
100-266-301	2	Analysis of 20-Hertz Ringing Load Current Using J86294A Ringing Demand Meter — Operating Methods

Section Number	Issue	Subject
<b>100-3 TEST PANELS</b>		
100-340-101	1	No. 2-A Relay Test Table — For Polar Relays — Description and Application
100-341-101	2	116A1 Relay Test Panel For Polar Relays — Description and Application
100-342-101	1	111A2 Relay Test Panel For Polar Relays — Description and Application
100-343-101	1	116B1 and 116C1 Relay Test Panels For Polar Relays — Description and Application
100-350-101	2	Testing and Adjusting Panel (J68602W) for 20 and 135 Cycle Ringers — Description and Application
100-351-101	3	No. 523-A Test Panel For Terminal and Intermediate Ringers — Description and Application
100-352-101	3	No. 546-A Test Panel For Terminal and Intermediate Ringers — Description
100-353-101	1	Testing and Adjusting Circuit Per SD-61041-02 For 1000-Cycle, Two-Tube Ringers — Description
100-354-101	1	Testing and Adjusting Circuit Per SD-61389-01 For 1000-Cycle, Two-Tube Ringers — Description
100-355-101	1	Types "A" and "B" Composite Ringer — Test Panel — Description and Application
100-356-101	1	20 Cycle, 135 Cycle and 1000 Cycle Line Signaling Equipment — Test Panel (Test Circuit SD-61085-01) — Description
100-360-301	1	Toll Test Panel Per J61547W — Emergency Toll Offices — Description and Application

### 100-5 ELECTRICAL INDICATING INSTRUMENTS AND METERS

100-501-701	2	KS-14399 Contact-Making Ampere-Minute Meters — Requirements and Adjusting Procedures
100-501-801	1	KS-14399 Contact-Making Ampere-Minute Meter — Piece-Part Data and Replacement Procedures
100-505-101	1	KS-5098 Contact-Making Ampere-Hour Meters — Description
100-505-701	2	Contact-Making Ampere-Hour Meters — KS-5098 and KS-5098-01 — Requirements and Adjusting Procedures
100-505-801	1	Contact-Making Ampere-Hour Meters — Piece-Part Data and Replacement Procedures
100-508-701	2	DC Watt-Hour Meters KS-15530 and Other Mercury Types — Requirements and Adjusting Procedures
100-510-701	4	Electrical Indicating Instruments — Requirements and Adjusting Procedures
100-512-101	1	KS-8340 Ohmmeter — Description and Application

Section Number	Issue	Subject	Section Number	Issue	Subject
100-513-101	1	M9B Meter (Portable Volt-Ohm-Milliammeter) — Description and Application	Add 100-635-101	1	
100-515-101	1	Secondary Standard For Checking DC Meters — Description and Application	100-635-101	3	Electron (Vacuum) Tube Test Set — KS-15560, L1 and L2 Hickok Tube Testers — Description and Application
100-520-101	2	KS-14510 Meter (Portable Volt-Ohm-Milliammeter) — Description and Application	100-635-501	3	Western Electric Tube Test Data — KS-15560, L1 and L2 Tube Testers
100-521-101	1	KS-20538 Meter (Portable Volt-Ohm-Milliammeter) Description and Application	Add 100-635-502	1	
Add 100-525-101	1		100-635-502	4	Non-Western Electric Electron Tube Test Data — KS-15560, L1 and L2 Tube Testers
100-525-101	2	400C Hewlett-Packard Vacuum Tube Voltmeter — Description	Add 100-636-101	2	
Add 100-526-101	1		100-636-101	3	Electron Tube Test Set — KS-15750, L1 Tube Tester — Description and Operation
100-526-101	2	400D Hewlett-Packard Vacuum Tube Voltmeter — Description	100-636-501	3	Western Electric Electron Tube Test Data — KS-15750, L1 Tube Tester
100-527-800	1	Hewlett-Packard Model 3555A Modifier for Picturephone Use — Description, Operation, and Maintenance	Add 100-636-502	1	
			100-636-502	4	Non-Western Electric Electron Tube Test Data — KS-15750, L1 Tube Tester
			Add 100-637-101	2	
			100-637-101	1	Electron Tube Test Set, Cardmatic Tube Tester — Model KS-15874-L1 and Model KS-15874-L2 with Serial Numbers Up to and Including 899 — Description and Operation
<b>100-6 ELECTRON TUBE TEST SETS, TUBE TEST DATA, OSCILLOSCOPES AND OSCILLOGRAPHS</b>			Add 100-637-102	1	
100-611-101	1	Cold Cathode Tube — Test Set J24754A — Description and Application	100-637-102	1	Electron Tube Test Set — Model KS-15874-L2, Cardmatic Tube Tester with Serial Numbers above 900 — Description and Operation
100-612-101	1	Cold Cathode Tube — Test Set J94731A — Description and Application	100-640-101	3	Vacuum Tube Test Set — Hickok Model 530B Tube Tester — Description and Application
100-629-101	1	KS-15840, List 1 Micromhos Meter Calibrator — Description and Application	100-640-501	1	Non-Western Electric Electron (Vacuum) Tube Test Data — Hickok Model 530B (KS-8235) Tube Testers
Add 100-630-101	1		100-650-100	2	208 Du Mont Cathode-Ray Oscillograph — Description
100-630-101	2	Electron (Vacuum) Tube Test Set — KS-5727 Hickok Tube Tester — Description and Application	100-651-100	1	304A Du Mont Cathode-Ray Oscillograph — Description
100-630-501	3	Western Electric Electron (Vacuum) Tube Test Data — KS-5727 L1 Hickok Tube Tester	100-652-100	1	304H Du Mont Cathode-Ray Oscillograph — Description
100-630-502	4	Non-Western Electric Electron (Vacuum) Tube Test Data — KS-5727 L1 Tube Tester	100-654-100	1	J68650A (50A) List 1 Oscilloscope — (Modified RCA Type WO-79A or WO-79B) — Description
Add 100-633-101	1		100-655-100	1	Type 453 TEKTRONIX OSCILLOSCOPE® — Description
100-633-101	1	Vacuum Tube Test Set — Hickok Model 531 (KS-13588 L1) and Modified 530B (KS-13725 L1) Tube Tester — Description and Application	100-655-101	1	Model 453 "Tektronix Oscilloscope®" — Probes and Accessories — Description
100-633-501	1	Non-Western Electric Electron (Vacuum) Tube Test Data — Hickok Model 531 (KS-13588 L1) and Modified 530B (KS-13725 L1) Tube Testers	100-656-100	1	Type 535 Tektronix Oscilloscope — Description
Add 100-634-101	1		100-658-100	2	KS-16305 Oscilloscope — Description
100-634-101	2	Electron (Vacuum) Tube Test Set — KS-15559 Hickok Tube Tester — Description and Application	<b>100-8 WHEATSTONE BRIDGES</b>		
100-634-501	3	Western Electric Electron Tube Test Data — KS-15559, L1 Tube Tester	100-810-101	2	Wheatstone Bridge KS-3011 — Description and Application
Add 100-634-502	1		100-810-701	4	Wheatstone Bridges — KS-3011 and KS-5588 — Requirements and Adjusting Procedures
100-634-502	4	Non-Western Electric Electron Tube Test Data — KS-15559, L1 Tube Tester			

**SECTION 100-000-000**

<b>Section Number</b>	<b>Issue</b>	<b>Subject</b>
100-810-711	2	Wheatstone Bridge Per KS-3011 — Used With Local Test Desk No. 14 or Cable Test Desk No. 2 or No. 3 — Requirements and Adjusting Procedures
100-810-712	2	Wheatstone Bridge Per KS-3011 — Used With Toll Testboards No. 4, No. 5 and No. 16 — Requirements and Adjusting Procedures
100-810-713	2	Wheatstone Bridge Per KS-3011 — Used With Toll Testboard No. 18B — Electrical Requirements

<b>Section Number</b>	<b>Issue</b>	<b>Subject</b>
Add 100-812-711	1	
100-812-711	1	Wheatstone Bridge Per KS-5588 — Toll Systems — Requirements and Adjusting Procedures
100-815-101	1	KS-14959 Test Set (Portable Wheatstone Bridge) — Description and Application
100-825-101	1	1A Capacity Bridge — Description