

**NUMERICAL INDEX — DIVISION 103  
TRANSMISSION TEST EQUIPMENT**

**1. GENERAL**

- 1.01 This section provides an index of System-issued sections in Division 103.
- 1.02 This section reverted to Issue 1 in November 1972. Prior to that date there had been 99 issues of the section.
- 1.03 A bullet (●) indicates an item that has been added or changed since the previous issue of the index.
- 1.04 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.
- 1.05 A club (♣) indicates a section that refers to a manufacturer's manual — providing a number for filing purposes and instructions for ordering the manual.
- 1.06 A heart (♥) indicates a new or reissued item which, because of its limited need, will not be distributed on standing order except through coded distribution. Additional copies may be obtained by placing regular (one-time) orders.
- 1.07 A spade (♠) indicates an item not on microfiche. This index indicates the latest issue for hard-copy BSPs. In some cases, the microfiche BSP will reflect the next higher issue as a result of the reduced distribution interval.
- 1.08 "Add" is the abbreviation for Addendum.

**2. LAYERS**

- 2.01 This division is arranged in layers as follows:
  - 103-0 Indexes and Equipment Test Lists
    - 1 Miscellaneous Test Equipment
    - 2 Voice-Frequency Transmission Measuring Sets, Systems and Associated Equipment
    - 3 Oscillators, Signal Generators, Milliwatt Reference Generators, and Distributing Systems
    - 4 Carrier-Frequency Transmission Measuring Sets, Lightwave and High Capacity Systems and Associated Equipment, Lightwave Test Sets
    - 5 Carrier-Frequency Noise Measuring Sets
    - 6 Crosstalk and Noise Measuring Sets and Associated Equipment
    - 7 Video Test Sets and Associated Equipment
    - 8 Telegraph and Teletypewriter Testing Apparatus and Tools
    - 9 PICTUREPHONE®Service

**3. INDEX**

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	103-001-011	13	ETL — Transmission Test Equipment

**103-1 MISCELLANEOUS TEST EQUIPMENT**

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103-100-100 1 5A Attenuator — Description

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**SECTION 103-000-000**

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103-235-300	2	Accuracy and Operational Tests — Far-End (Code 104) Transmission Measuring and Noise Checking Circuits	103-251-112	2	92A Control Unit — Description and Operation
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103-251-110	1	J94054 Manually Controlled Interrogator — Description, Operation, and Use			

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103-335-508	5	Crossbar Tandem or SXS Intertoll or Tandem Check of Transmission Test Lines Reached by 3-Digit Codes	<b>103-343 J94024 (24B and 24C) Loop Checker Generators</b>		
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**SECTION 103-000-000**

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103-415-502	1	Frequency Check of 308 kc Oscillator
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103-415-507	1	Automatic Gain Control Circuit Test
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103-415-512	1	Check of 124-Ohm Frequency Characteristic	Add 103-428-100	1	
103-415-513	1	Electron Tube Tests	103-428-100	1	Description
103-415-514	1	Trouble Investigation	103-428-101	1	General Information — Continuity and Short Tests
<b>103-416 Siemens Portable 100-MHz Transmission Measuring Set (100 kHz to 100 MHz)</b>			Add 103-428-102	1	
103-416-000	1	Description and Operation	103-428-102	1	Continuity Tests (Coaxial Patch Cords or Plugs)
103-416-100	1	Selective Level Meter D2073B — Description and Operation	103-428-103	1	Continuity Tests — Two Conductor Cords With 379A Plugs
<b>103-417 Siemens Transmission Measuring Sets</b>			103-428-104	1	Continuity Tests — Two Conductor Cords With KS-14323 Plugs
103-417-000	1	Siemens Model K1023 (10 kHz to 25 MHz) — Description and Operation	103-428-105	2	Short Tests
103-417-100	1	Siemens Model K1073 (100 kHz to 100 MHz) — Description and Operation	<b>103-429 J94002AA (2AA) Milliwatt Reference Set</b>		
<b>103-418 Wandel-Goltermann Selective Level Meter AT-278</b>			103-429-100	3	Description
103-418-000	1	Description and Operation	<b>103-430 J94070A (70A) Spectrum Generator (Range: 12 to 264 Kilocycles)</b>		
<b>103-419 Wandel-Goltermann Transmission Measuring Systems — PSM-7</b>			103-430-100	2	Description
103-419-000	1	Description, Operation, and Maintenance	<b>103-431 KS-15872, List 1 Spectrum Analyzer (Range: 5 to 300 Kilocycles)</b>		
<b>103-420 Siemens Model 2006 (10 kHz to 17 MHz)</b>			103-431-100	1	Description
103-420-000	1	Description and Operation	103-431-300	1	Operation
<b>103-421 J64044A (44A) Transmission Measuring System (Range: 50 to 3500 Kilocycles)</b>			<b>103-432 J64090 (90-Type) Carrier Frequency Test Equipment</b>		
103-421-100	1	Description	<b>Description</b>		
<b>103-422 Wandel-Goltermann Milliwatt Test Set EPM-1</b>			103-432-100	2	General
103-422-000	1	Description, Operation, and Maintenance	103-432-101	2	J64090A (90A) Oscillator
<b>103-423 Hewlett-Packard Selective Level Measuring Set 3745B</b>			103-432-102	2	Description, Operation, and Maintenance — J64090B (90B) Selective Detector
103-423-102	1	Description and Operation	103-432-103	2	J64090C (90C) Console
<b>103-424 J64049A (49A) L-Multiplex Measuring System</b>			103-432-104	3	Description, Operation, and Maintenance — J64090D (90D) Level Control
Add 103-424-100	1		103-432-105	2	J64090E (90E) TMS
103-424-100	2	Description	103-432-106	2	Description, Operation, and Maintenance — J64090F (90F) Digital Control Unit
Add 103-424-300	2		103-432-107	2	Description, Operation, and Maintenance — J64090G (90G) Oscillator
103-424-300	1	Operation and Maintenance	103-432-108	2	Description, Operation, and Maintenance — J64090H (90H) Selective Detector
<b>103-425 J64072A (72A) Frequency Meter (Range: 100 to 4,000 Cycles and 10 Cycles to 40 Kilocycles)</b>			103-432-109	1	Description, Operation, and Maintenance — J64090J (90J) Fixed Frequency Selector
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<b>103-427 J64001R (1R) and J64001AC (1AC) Tube Test Set</b>			103-432-121	2	J68958A Control Unit — Description, Operation, and Maintenance
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103-434-110	1	J64092B Programming Console — General Description
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<b>103-441)</b>	<b>103-435 2A Pilot Indicator</b>	
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<b>103-436</b>	<b>Switching Section Phase Comparison Set</b>	
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<b>103-438</b>	<b>97A Test Set</b>	
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<b>103-441</b>	<b>D178980 Transmission Measuring Set</b>	
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103-441-100	3	Description
<b>103-442</b>	<b>LMX-2 Carrier Terminal Test Fixtures</b>	
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103-456-000	2	Description, Operation, and Maintenance
<b>103-457</b>	<b>J68899A Main Station Repeater Test Set (L4 Carrier)</b>	
Add 103-457-000	1	
103-457-000	2	Description, Operation, and Maintenance
<b>103-458</b>	<b>Repeater Test and Maintenance Stand (L4 Carrier)</b>	
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<b>103-460</b>	<b>Line Equipment Test Stand J68923A and Warm-Up Rack ED-51487 (L5 Carrier)</b>	
103-460-000	2	Description, Operation and Maintenance
<b>103-467)N,</b>	<b>O and ON Carrier System Test</b>	
<b>103-485)</b>	<b>Equipment and Test Sets</b>	
<b>103-467</b>	<b>J98705M (5M) Channel Unit Test Stand</b>	
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<b>103-468</b>	<b>Carrier Failure Indicator</b>	
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<b>103-472</b>	<b>J94002M (2M)</b>	<b>Switching Set for N1 and ON Repeaters and N2 Repeaters with N2/N1 Adapters</b>	<b>103-487)</b>	<b>103-486</b>	<b>Transmission Facilities</b>
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103-473-100	2	Description and Maintenance	103-486-102	2	J98721H (21H) Portable Violation Monitoring — Test Set — Description, Operation, and Maintenance
<b>103-474</b>	<b>J94002J (2J)</b>	<b>Repeater Test Set</b>	103-486-103	1	Digital Transmission Systems — J98721G Transmission Test Set — Description, Operation, and Maintenance
103-474-100	2	Description	103-486-104	1	Digital Transmission Systems J98721J Portable Signal Generator — Description, Operation, and Maintenance
<b>103-475</b>	<b>J94002K (2K)</b>	<b>Tube Test Set</b>	103-486-105	1	Nickel-Cadmium Battery Charger KS-21797, L1 — Description, Operation, and Maintenance — Digital Transmission Systems
103-475-100	3	Description, Operation and Maintenance	103-486-111	2	FT3 Line Test Set (KS-22264, L1) — Description, Operation, and Maintenance — FT3 Lightwave Digital Transmission System — Transmission Test Equipment
<b>103-476</b>	<b>J94002P (2P)</b>	<b>Tube Test Set</b>	103-486-112	1	FT3C Test Unit (KS-22670, L1 and L2) Description, Operation, and Maintenance — FT3C Lightwave Digital Transmission System
103-476-100	2	Description	103-486-113	1	FT3C Portable Violation Monitor (KS-22671, L1) Description, Operation, and Maintenance — FT3C Lightwave Digital Transmission System
<b>103-477</b>	<b>J98703AF (3AF)</b>	<b>Deviation Regulator Test Set</b>	103-486-114	2	190A Optical Loss Test Set — Description, Operation, and Maintenance —
103-477-100	1	Description	• 103-486-115	1	Multimode Optical Loss Test Set (KS-22820) — Description, Operation, and Maintenance
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103-478-100	2	KS-19750 Deviation Test Set	<b>103-488</b>	<b>1A-RDS Signal Monitor Test Set</b>	
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Add 103-480-500	1		103-490-101	1	J98710G List 2 Error Detecting Set — Description, Operation, and Maintenance
103-480-500	3	J99272U — Maintenance			
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103-480-501	3	J99321S — Maintenance			
<b>103-481</b>	<b>N2 Terminal Test Stands</b>				
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103-481-100	2	(J99272W) — Description			
103-481-101	1	J99272AH — Description			
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✚ 103-493-102	1	Sierra 316A — T-1 Line Repeater Test Set
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103-493-104	2	Digital Transmission Systems — J98710R T1 Carrier Quasi-Random Signal Source — Description
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103-493-110	1	Digital Transmission Systems — Bowmar Model 271B — Error Rate Test Set
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103-495-100	4	17L Bipolar Violation Detector — Description and Operation
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### 103-496 Fault Locating Set

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103-496-100	3	17J — Description and Operation — Digital Transmission Systems

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### 103-498 Pair Measuring Set

103-498-100	3	T2 Digital Line — 17K — Description and Operation
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## 103-5 CARRIER-FREQUENCY NOISE MEASURING SETS

### 103-500 Carrier-Frequency Noise Measuring Set

103-500-100	2	J94007A (7A) (Range: 10 to 552 kHz) — Description
103-500-101	1	N Line Noise Sectionalization Set — Band Rejection Filter Unit J98703MC — Description

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103-611-100	4	J94003A and B
103-611-101	2	J94003C (3C)
103-611-102	2	J94003 (3CR)

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103-620-100	5	J94006A (6A) and J94006E (6E) Impulse Counters — Description, Operation, and Maintenance
103-620-101	2	6H and 6HR Impulse Counters (J94006H and J94006HR) — Description, Operation, and Maintenance

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103-628-100	3	J68448A-90 — Description, Operation, and Maintenance	103-705-501	1	Sensitivity Check
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<b>103-702</b>	<b>J64001AP (1AP) Transmission Comparing Set</b>		103-710-101	2	Simplified Receiver — Description
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103-704-501	2	Low Frequency Signal Generator Output and Frequency Measurements	103-720-100	3	Description
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103-704-504	1	Power Supply Regulation	103-721-100	1	Description
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			103-734-801	1	Modification for Single Color and Monochrome Weighting Network

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103-736-100	1	J64036A (36A) — Description
103-736-150	1	J64036B (36B) — Description
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103-804-400	1	Wiring Diagram
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103-806-102	2	Description — 110-C-1
103-806-104	2	Description and Operation — 110E1
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<b>103-810</b>	<b>117-Type</b>	<b>Telegraph Stability Test Sets</b>
103-810-100	3	Description, Operation and Maintenance
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103-811-100	2	Principles
103-811-101	1	Description — 118A1 and B1
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<b>103-813</b>	<b>911-Type</b>	<b>Data Test Sets</b>
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103-813-100	3	A, B, and C — Description, Operation, and Maintenance
103-813-101	1	911D Type Distortion Measuring Set — (J79911D)
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103-813-111	1	911P EIA Test Adapter — Description and Operation	<b>103-823 164-Type Telegraph Transmission Measuring Set</b>		
103-813-502	1	911E Distortion Measuring Set — Tests	103-823-100	4	164C1 — Description and Principles of Operation
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103-815-100	1	Description	103-824-501	5	165B1 for Testing 144-Type Coupling Units and 96A1 Electronic Loop Repeater — Operation
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