

**NUMERICAL INDEX — DIVISION 024
AMPLIFIERS, CONTROLLERS,
CONTROL UNITS, REGULATORS, AND ELECTRON TUBES**

1. GENERAL

1.01 This section provides an index of System-issued sections in Division 024.

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 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.

1.05 "Add" is the abbreviation for Addendum.

2. LAYERS

2.01 This division is arranged in layers as follows:

- 024-0 Indexes and Equipment Test Lists
 - 1 Amplifiers and Protective Relaying Equipment
 - 3 Controllers and Control Units
 - 4 Regulators
 - 7 Electron Tubes

3. INDEX

Section Number	Issue	Subject	Section Number	Issue	Subject
024-0 INDEXES AND EQUIPMENT TEST LISTS					
● ♠ 024-000-000	68	Numerical Index — Division 024 — Amplifiers, Controllers, Control Units, Regulators, and Electron Tubes	Add 024-102-500	1	106A — Tests, Adjustments and Requirements
024-001-011	9	ETL — Amplifiers	024-102-500	1	
024-001-012	3	Controllers and Control Units	Add 024-103-100	1	118A — Description
024-001-013	4	ETL — Regulators	024-103-100	1	
024-001-014	2	Electron Tubes	024-103-300	1	118A — Initial and Routine Tests
024-1 AMPLIFIERS AND PROTECTIVE RELAYING EQUIPMENT					
024-100-100	2	94D — Description	Add 024-103-500	1	118A — Tests, Adjustments and Requirements
024-100-101	1	103C Amplifier	024-103-500	1	
024-100-102	1	103D Amplifier	Add 024-104-100	1	124-Type — Description
024-100-103	1	116B Amplifier	024-104-100	1	
024-101-100	1	100-Type Loudspeaker Sets — Description	024-104-101	1	124A Amplifier
Add 024-102-100	1		024-104-102	1	124B Amplifier
024-102-100	1	106A — Description	024-104-103	1	124C Amplifier
024-102-300	1	106A — Initial and Routine Tests	024-104-104	1	124D Amplifier
			024-104-105	1	124E Amplifier — (Western Electric)
			024-104-106	1	124F Amplifier
			024-104-300	1	124-Type — Initial and Routine Tests
			Add 024-104-500	3	
			024-104-500	2	124-Type — Tests and Adjustments
			024-104-501	1	Types 103- and 124-Type — Tests and Inspections
			024-105-100	1	140-Type — Description
			024-105-101	2	141A Amplifier — Description
			024-105-300	1	140-Type — Initial and Routine Tests
			024-105-500	2	140-Type — Tests, Adjustments and Requirements
			Add 024-106-100	1	
			024-106-100	1	142-Type — Description
			024-106-101	1	142A — Input Circuit Variations
			024-106-300	1	142-Type — Initial and Routine Tests
			Add 024-106-500	1	
			024-106-500	1	142-Type — Tests, Adjustments and Requirements
			024-107-100	2	143-Type — Description
			024-107-101	1	143A — Input Circuit Variations
			024-107-300	1	143-Type — Initial and Routine Tests
			024-107-500	2	143-Type — Tests, Adjustments and Requirements

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

SECTION 024-000-000

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024-108-100	2	153A and 153B Amplifiers — For Use With Head Telephone Sets — General Descriptive Information	024-150-106	1	KS-16608, L1 Amplifier — Description
024-108-105	2	292A and 292B — Description	024-150-107	1	KS-16610, L1 Amplifier — Description
024-109-500	2	SD-95396-01 — Voice Controlled Gain Amplifier Using Amplifier Test Set Circuit	024-150-108	1	KS-16547, L1 Amplifier — Description
024-120-100	1	KS-16575-L1 (McIntosh) — Description	024-150-109	1	KS-16617, L1 Amplifier — Description
024-120-300	1	KS-16575-L1 (McIntosh) — Initial and Routine Tests	024-150-300	1	KS-Specification Speech Amplifiers — Initial and Routine Tests
024-120-500	1	KS-16575-L1 (McIntosh) — Tests and Adjustments and Requirements	Add 024-150-501	1	
024-121-100	2	A-120 (McIntosh) — Description	024-150-501	1	KS-16508-L1 — Transmission Tests
024-121-300	2	A-120 (McIntosh) — Initial and Routine Tests	024-150-502	1	KS-16547-L1 — Transmission Tests
024-121-500	2	A-120 (McIntosh) — Tests, Adjustments and Requirements	024-150-503	2	KS-16608 L1 and KS-16610 L1 Amplifiers — Transmission Tests
024-122-100	3	KS-20425 Amplifier System — Description	024-150-504	1	KS-16617-L1 — Transmission Tests
024-122-200	3	KS-20425 Amplifier System — Installation and Maintenance	024-174-100	2	KS-20449 Amplifier — Description
024-122-400	2	KS-20425 Equalizer-Amplifier System — Connections	024-174-200	2	KS-20449 Amplifier — Installation, Connections, and Maintenance
024-122-500	3	KS-20425 Amplifier System — Tests, Adjustments, and Operation	024-174-500	3	KS-20449 Amplifier — Tests and Adjustments
024-125-100	3	KS-16622, L1 Amplifier — Description	024-175-100	3	Transistor Amplifiers — KS-16831, L1, L2, L3
024-125-300	1	KS-16622-L1 — Initial and Routine Tests	024-175-101	3	KS-16831 — Identification and Assembly
024-125-500	3	KS-16622-L1 — Transmission Tests	024-175-102	2	KS-16831, L4 — Power Supply
024-130-100	2	KS-16740 Amplifier System — Description	024-175-110	3	KS-20159 Equalizer-Amplifier — Description
024-130-300	1	KS-16740-L2 — Initial and Routine Tests	Add 024-175-200	1	
024-130-500	2	KS-16740-L2 — (Altec 437B) — Transmission Tests	024-175-200	1	KS-16831 — Installation and Maintenance
024-140-101	2	227A, B, E, and F Amplifiers — Description	024-175-210	2	KS-20159 Equalizer-Amplifier — Installation and Maintenance
024-140-103	1	227C and 227D Amplifiers — Description	024-175-400	3	KS-16831 — Connections
024-140-106	2	KS-20378 L1 and L2 Amplifiers — Description	024-175-410	2	KS-20159 Equalizer-Amplifier — Connections
024-145-100	1	289A and 289B Amplifiers — Description	024-175-500	4	KS-16831, L1, L2, L3 Amplifiers — Tests and Adjustments
024-150-100	4	KS-Specification — Speech Amplifiers — General Information	024-175-510	2	KS-20159 Equalizer-Amplifier — Tests, Adjustments, and Operation
024-150-101	1	KS-16508, L1 and L2 Amplifiers — Description	024-176-100	2	KS-16754, L1, L2, L3 and L4 Amplifiers — Description
024-150-102	1	KS-16607, L1 Amplifier — Description	Add 024-176-200	1	
024-150-103	1	KS-16611, L1 Transformer	024-176-200	6	KS-16754 — Identification, Installation, Connections and Maintenance
024-150-104	1	KS-16612, L1 Mixer Unit — Description	024-177-100	2	KS-19219, L1 — (3 Watts)
024-150-105	1	Input Circuit Arrangements for KS-16608, L1 and KS-16610, L1 Amplifiers	024-177-500	2	KS-19219, L1 — Transmission Tests
			024-178-100	2	KS-19602, L1 — Description
			Add 024-178-500	1	
			024-178-500	1	KS-19602, L1 — Tests
			024-179-100	1	KS-19601, List 1 Amplifier

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024-180-100	1	KS-19220, List 2 Amplifier	024-4 REGULATORS		
024-181-100	2	KS-19221 L1 Amplifier	024-405-701	2	100A Regulator — Equipped With KS-5511 Motor — Type 892B — Requirements and Adjusting Procedures
024-182-100	2	KS-19739, L1 Amplifier — Description	024-405-702	3	100A Regulator — Equipped With KS-5511 Motor — Type 892C — Requirements and Adjusting Procedures
024-182-500	3	KS-19739 L1 Amplifier — Tests	024-405-703	4	100A Regulator — Equipped With KS-5511 Motor — Type 892D or Reconditioned Type 892C — Requirements and Adjusting Procedures
024-190-100	1	KS-12046 Loudspeaker	024-406-701	3	101 and 102 Regulators — Associated With 50A Drive — Requirements and Adjusting Procedures
024-191-100	1	KS-12048 Autotransformer	Add 024-408-701	1	
024-191-101	1	KS-14417 Autotransformer	024-408-701	3	KS-2749 Regulator — For Pilot Wire Transmission Regulating System — Requirements and Adjusting Procedures
024-191-102	1	KS-14792, L5 Line Matching Transformer	024-410-701	3	J2 Carrier Regulator — Condenser Drive — Per ED-61694-01, ED-61694-021 and ED-6194-022 — Requirements and Adjusting Procedures
024-192-100	1	KS-16504 Handset — Transmission Characteristics	Add 024-420-301	1	
024-195-100	1	Description and Operation	024-420-301	4	Speed and Voltage Regulator — J86253A and J86253B — Operating Methods
Add 024-195-200	1		024-440-301	2	AC Line Voltage Regulators — J86215A and KS-5695 — Motor-Driven Autotransformer Type — Operating Methods
024-195-200	1	1A — Installation and Connections	024-442-301	1	J86223 Voltage Regulator — Operating Methods
024-195-300	1	Maintenance	024-443-301	3	Voltage Regulator and Rectifier — J86246A and J86246B — Operating Methods
024-195-500	1	1A — Test Procedures	024-445-301	5	J86250 Voltage Regulator and Exciter — Operating Methods
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024-320-701	1	6B Control Unit — Lubrication	024-449-301	2	J87324A Voltage Regulator — Operating Methods
024-321-701	2	36A Control Unit — Requirements and Adjusting Procedures	024-460-101	1	Voltage Regulators — AC-DC Automatic Rotating CAM Types — Description
Add 024-330-701	1		024-460-301	1	Voltage Regulators — AC-DC Automatic Rotating CAM Types — Operating Methods
024-330-701	3	Pilot Wire Master Flat Gain Controller — KS-7664 — Requirements and Adjusting Procedures	024-460-701	4	Voltage Regulators — KS-5016, KS-5117 and KS-5468 — AC-DC Automatic Rotating CAM Types — Requirements and Adjusting Procedures
024-330-801	2	Pilot Wire Master Flat Gain Controller — KS-7664 — Replacement Parts and Procedures	024-460-801	2	Voltage Regulators — KS-5016, KS-5117 and KS-5468 — AC-DC Automatic Rotating CAM Types — Replacement Parts and Procedures
Add 024-331-701	2		024-462-101	3	Voltage Regulators — Centrifugal Type — Automatic — Description
024-331-701	3	Pilot Wire Master Twist Controller — KS-7781 — Requirements and Adjusting Procedures			
024-331-801	2	Pilot Wire Master Twist Controller — KS-7781 — Replacement Parts and Procedures			
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024-350-701	4	Voltage Controllers — KS-5016, KS-5117, KS-5374 and KS-5519 — Requirements and Adjusting Procedures			
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024-465-301	2	AC Line Voltage Regulator — KS-5650 — Operating Methods
024-466-301	3	AC Voltage Regulator — KS-5655 — Operating Methods
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024-471-301	1	AC Line Voltage Regulator — KS-15908 Type — Motor-Driven Autotransformer Type — Operating Methods
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024-7 ELECTRON TUBES

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024-707-701	5	Cold Cathode Tubes — Using Test Set SD-25808-01 (J24754A) — Requirements and Adjusting Procedures
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024-720-802	1	Method of Disposal
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024-723-801	1	NIXIE® Tubes Containing Krypton 85 — Storage and Handling