

PACIFIC TEL.
NUMERICAL INDEX — DIVISION 408
MOTOROLA, RCA, FEDERAL, REL, NARROWBAND AUXILIARY CHANNEL
AND OTHER NON-WESTERN ELECTRIC MICROWAVE RADIO
AND
TV OFF-THE-AIR PICK-UP SERVICES

1. GENERAL

- 1.01** This appendix supplements the AT&T Numerical Index and lists:
- All Pacific Co. issued practices.
 - All valid Pacific Co. issued Flashes affecting this division.
 - Long Lines practices Standard for use in the Pacific Co.
 - AT&T practices NOT STANDARD for Pacific Co. use. (See AT&T index for issue number.)
- 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 crescent (☾) indicates an associated Flash(es) exists against the section.
- 1.05** A solid diamond (◆) indicates a number assigned for a future practice.
- 1.06** A club (♣) indicates a section that refers to a manufacturer's manual providing a number for filing purposes, and instructions for ordering the manual (if required).

Section Number	Issue	Subject
408-0		INDEXES AND EQUIPMENT TEST LISTS
● App 1	408-000-000PT	F Numerical Index
Add	408-001-011PT	C ETL
408-400		LENKURT MICROWAVE RADIO
General		
	408-400-901LL	A General
Operating Methods		
	408-400-902LL	A Diversity System — Channel Isolation

Section Number	Issue	Subject
Maintenance Routines		
	408-400-903LL	A Maintenance Intervals and Test Sequences
Maintenance Methods		
	408-400-904LL	A General
	408-400-905LL	A Maintenance Tools and Test Equipment
	408-400-906LL	A Placement in Service and Removal from Service
Add	408-400-907LL	A
	408-400-907LL	A Voltage Measurements and Adjustments
Add	408-400-908LL	A
	408-400-908LL	A Transmitter Frequency and Power Measurements
Add	408-400-909LL	A
	408-400-909LL	A Transmitter Deviation Adjustment
	408-400-910LL	A Transmitter Pilot Level and Alarm Adjustment
	408-400-911LL	A Transmitter Power Alarm Adjustment
	408-400-912LL	A Transmitter Deviation — Linearity Measurements
	408-400-913LL	A Transmitter Klystron Replacement
Add	408-400-914LL	A
	408-400-914LL	A Receiver Klystron Frequency and Power Measurement
Add	408-400-915LL	A
	408-400-915LL	A Receiver Klystron Tuning Procedures
	408-400-916LL	A Receiver Klystron Replacement
	408-400-917LL	A Voltage Regulator Tube Replacement

NOTICE

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

**SECTION 408-000-000PT
APPENDIX 1**

Section Number	Issue	Subject
Type 74A2		
408-400-921LL	A	Maintenance Methods — General
408-400-922LL	A	Maintenance Intervals and Test Sequences
408-400-923LL	A	Maintenance Methods — Maintenance Tools and Test Equipment
408-400-924LL	A	Placement In/Removal from Service and Operating Voltages and Adjustments
● 408-400-925LL	B	Transmitter Alignment
408-400-926LL	A	Receiver Alignment Test and Adjustments
408-400-927LL	A	Klystron Activity Tests and Tube Replacement
408-400-928LL	A	Baseband Level and Response Adjustment
Over-All System Tests		
408-400-929LL	A	Supervisory Channel Response Measurement
408-400-931LL	A	Over-All System Tests — Received Signal Level Measurements
Add 408-400-932LL	A	
408-400-932LL	A	Over-All System Tests — Baseband Level and Response Adjustment
408-400-933Lt	A	Over-All System Tests — Supervisory Channel Response Measurements
Add 408-400-934LL	A	
408-400-934LL	A	Over-All System Tests — Noise Muting Check and Adjustment
Description and Operating Principles		
408-400-941LL	A	Initial Tests and Adjustments — Combiner Panel Operation — (Diversity Systems Only)
408-400-942LL	A	Equipment Features
408-400-943LL	A	Operating Principles
408-400-944LL	A	Level Considerations for Connecting Services — Description
Type 74B1		
Add 408-400-951LL	A	
408-400-951LL	A	General
408-400-952LL	B	Maintenance Intervals and Test Sequences
<i>(Not in OPMIT)</i>		
Add 408-400-953LL	A	
408-400-953LL	A	Maintenance Methods — General
Add 408-400-954LL	A	
408-400-954LL	A	Placement in and Removal from Service

Section Number	Issue	Subject
Add 408-400-955LL	A	
● 408-400-955LL	B	Transmitter Alignment
408-400-956LL	A	Receiver Tuning and Checks
Add 408-400-957LL	A	
408-400-957LL	A	Test and Adjustments Between Adjacent Terminals (In-Service and Out-of-Service Procedures)
408-400-958LL	A	Multihop System End-to-End Alignment
408-400-959LL	A	Tube Replacement
Type 76A2		
408-400-960PT	A	Lenkurt Microwave Radio — 76 Class System Instructions
408-400-961LL	A	General
408-400-962LL	A	Maintenance Intervals and Test Sequences
● 408-400-963LL	B	Maintenance Tools and Test Equipment
408-400-964LL	A	Placement-in-, Removal-from-Service, and Operating Voltages and Adjustments
● 408-400-965LL	B	Transmitter Alignment
408-400-966LL	A	Receiver Frequency and Level Measurements
408-400-967LL	A	Transmitter and Receiver Klystron Replacement
Type 75		
408-400-970PT	C	75 Class System Instructions
408-400-980PT	A	778 Class System Instructions
408-400-990PT	A	757 Class Switching Instructions
408-405 FARINON MICROWAVE RADIO		
Type PT450		
408-405-900PT	B	General
408-405-901PT	A	Transmitter and Receiver Units
408-405-902PT	A	Antenna Diplexer 450-470 MC
408-405-903PT	A	RF Power Meter Panel
408-405-904PT	A	Service Channel and Speaker Panel
408-405-905PT	A	Transmitter Transfer Panel — Type 10143
408-405-906PT	A	Receiver Transfer Panel — Type 10144
408-405-907PT	A	-48 Volt Power Supply
408-405-908PT	A	Tone Transmitter Unit
408-405-909PT	A	Tone Receiver Unit

**ISS F, SECTION 408-000-000PT
APPENDIX 1**

Section Number	Issue	Subject
408-405-910PT	A	Test and Maintenance Intervals
408-405-911PT	A	Maintenance Methods
Type PT2000		
Add 408-405-921PT	A	General
408-405-921PT	A	
Add 408-405-922PT	A	Transmitter and Receiver Units
408-405-922PT	A	
Add 408-405-923PT	A	Antenna Diplexer 2100-2300 Mc Type 10620
408-405-923PT	A	
Add 408-405-925PT	A	Maintenance Methods
408-405-925PT	A	
408-410 COLLINS MICROWAVE RADIO		
408-410-899PT	B	Index of Unit Instructions and Subsystem Maintenance Methods
Fallon-Fremont Microwave System —		
Type MW109A-3 and MW109B-3		
408-410-900LL	A	General
408-410-901LL	A	Power Equipment Tests
408-410-902LL	A	52A14- () MW Transmitter-Driver and AFC Tests and Adjustments
408-410-903LL	A	52A15- () MW Up-Converter and AFC Tests and Adjustments
408-410-904LL	A	50A7- () MW Traveling Wave Tube Amplifier Tests and Adjustments and Transmitter RF Power and Frequency Measurement
408-410-905LL	A	54A7- () MW RF Receiver Tests and Adjustments
408-410-906LL	A	Diversity Subsystem 99C2-MW and Alarm Equipment — Test and Adjustments
408-410-907LL	A	System Tests and Adjustments
408-410-908LL	A	Video Equipment, Modulator Gain, and System Level Tests and Adjustments
408-410-909LL	A	In-Service Checks
Type MW108A		
● 408-410-930LL	B	General
408-410-931LL	A	Power Equipment
408-410-932LL	A	53A2-MW Transmitter
408-410-933LL	A	55A1-MW Receiver Subsystem
408-410-934LL	A	99C1-MW Diversity Subsystem

Section Number	Issue	Subject
408-410-935LL	A	Alarm Equipment Tests
408-410-936LL	A	System Tests and Adjustments
408-410-937LL	A	In-Service Tests and Maintenance Intervals
Type MW609, MW109		
♣ 408-410-950PT	A	System Instructions
♣ Add 408-410-951PT	A	Unit Instructions
♣ 408-410-951PT	A	
♣ 408-410-952PT	A	System Drawings
♣ 408-410-953PT	A	Maintenance Methods
General Maintenance Procedures		
408-410-960PT	A	Collins Radio — Gauging, Adjusting, Cleaning, and Protective Coating of Circuit Card Connectors — General
♣ App 1 408-410-960PT	A	Procedure Sequence
♣ App 2 408-410-960PT	A	Material Preparation
♣ App 3 408-410-960PT	A	Gauging and Adjusting Card Cage Connectors
♣ App 4 408-410-960PT	A	Module Contact Protective Coating
♣ App 5 408-410-960PT	A	Cleaning Circuit Card Connectors
♣ App 6 408-410-960PT	A	Module Contact Cleaning
Type MW109E		
408-410-970PT	A	MW109E Type
408-410-972PT	A	MW109E-1 Type
Type MW609E		
408-410-975PT	A	MW609E Type
408-7 NARROWBAND MICROWAVE RADIO AUXILIARY CHANNEL		
Add 408-702-901PT	A	KS-20098/KTR-4A — Microwave Radio — Maintenance
408-702-901LL	A	
App 1 408-704-004PT	A	Farinon KS-20311 Microwave Radio 4-GHZ Monitored Hot Standby Transmitter Frequency Check and Adjustment (Offices With Portable Test Equipment)
App 2 408-704-004PT	A	Transmitter Deviation Check and Adjustment (Offices With Portable Test Equipment)
App 3 408-704-004PT	A	Transmitter Power Output Check

**SECTION 408-000-000PT
APPENDIX 1**

Section Number	Issue	Subject
App 4 408-704-004PT	A	Receiver Nodan Circuit Check and Adjustment (Offices With Portable Test Equipment)
App 5 408-704-004PT	A	Receiver Noise Figure Measurement (Offices With Portable Test Equipment)
App 6 408-704-004PT	A	Receiver Combiner Balance Adjustment (Offices With Portable Test Equipment)

Section Number	Issue	Subject
408-8		TV OFF-THE-AIR PICK-UP SERVICES
Add 408-800-000PT	A	CONRAC AV 12 Audio-Visual Receiver — General
Add 408-800-504PT	A	CONRAC AV 12 Audio-Video Receiver — Tests — Voltage Checks