



EQUIPMENT TEST LIST
VOICE-FREQUENCY TELEPHONE REPEATERS, PILOT
WIRE REGULATORS, ECHO SUPPRESSORS, COMPOSITE
SETS AND ASSOCIATED EQUIPMENT

SEE SECTION 010-300-011 FOR EQUIPMENT TEST LIST INSTRUCTION

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
332-0			INDEXES AND GENERAL INFORMATION			
332-015-500	3		SINGING POINT TESTS FOR VOICE-FREQUENCY			
			TRUNKS			
			<i>Part 4 Overall Active S.P. Tests—</i>	MR	12M	
			<i>2-Wire RPTR Equipped</i>			
			<i>Trunks Arranged for Switching</i>			
332-1			AMPLIFIER TYPE TELEPHONE REPEATERS			
			22 TYPE REPEATERS			
332-100-300	3		22A1, 22A1 (HE), D-87797 AND 22A2 TELEPHONE			
& ADDENDUM	2		REPEATERS—OPERATING REQUIREMENTS AND			
			LIMITS			
			TABLE V SUMMARY OF TESTS			
			<i>Individual Grid Battery Voltage</i>	MR	3M	
			<i>Filament Current—Nonregulated Battery With</i>	MR	M	
			<i>Ballast Lamp</i>			
			FILAMENT ACTIVITY			
			<i>Dome Type Tubes</i>	MR	6M	
			<i>Spherical Type Tubes</i>	MR	3M	
			1000-HZ GAIN			
			<i>Dome Type Tubes</i>	MR	6M	
			<i>Spherical Type Tubes</i>	MR	3M	
			44 TYPE REPEATERS			
332-101-300	5		OPERATING REQUIREMENTS AND LIMITS			
& ADDENDUM	1					
			TABLE VIII SUMMARY OF TESTS			
			GRID POTENTIAL			
		2.02	<i>Individual Grid Battery</i>	MR	3M	
			FILAMENT CURRENT			
		2.04	<i>Not Adjusted By Reference Voltage—</i>	MR	M	
			<i>With Ballast Lamp</i>			
			FILAMENT ACTIVITY			
		2.07	<i>Dome Type Tubes</i>	MR	6M	
			<i>Spherical Type Tubes</i>	MR	3M	
			1000-HZ GAIN			
		2.10	<i>Dome Type Tubes</i>	MR	6M	
			<i>Spherical Type Tubes</i>	MR	3M	
			V1 TYPE REPEATERS			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
332-102-500	4		TESTS AND ADJUSTMENTS			
& ADDENDUM	2					
			<i>Part 4(B) Heater Current— Non-</i>	MR	3M	
			<i>Regulated Battery With Ballast Lamp</i>			
			Part 4(C) Cathode Activity			
			10V Tubes	MR	6M	
			9V Tubes	MR	12M	
			V3 REPEATERS			
332-103-500	3		TESTS AND ADJUSTMENT ON V3 AMPLIFIER			
			<i>Part 6(A) Tube Test—Space Current History</i>	MR	6M	
			<i>Method</i>			
332-2			NEGATIVE IMPEDANCE TELEPHONE REPEATERS			
			E TYPE REPEATERS			
332-200-501	3		ELECTRON TUBES—VISUAL CHECKS,	MR	6M	
			MEAS AND ADJ OF APPLIED VOLTAGES			
332-206-510	2		J98619A SUBSCRIBER LOOP—MESSAGE AND	MR		
			SIGNAL REPEATER—TESTS AND ADJUSTMENTS			
332-207-311	1		E7 REPEATERS—MAINTENANCE			
			<i>Table 1 Check for Singing and Noise</i>	MR	6M	
			<i>Return Loss</i>	MR	12M	
332-4			PIL WIRE REGS, ECHO SUPRS, TOLL CONF			
			GRP CKTS, AUX EQPT ECHO SUPRS			
332-410-500	5		1A SUPPRESSOR AND DISABLER—TESTS AND			
			ADJUSTMENTS			
		<i>Part 4</i>	<i>Circuit Order & Periodic Tests & Reqmts</i>	MW	6M	
◆ 332-410-501	1		1A ECHO SUPR & DISABLER EQUIPPED WITH			
			326-TYPE MERCURY RELAYS—TESTS & ADJ			
		<i>Part 4</i>	<i>Ckt Order & Periodic Tests & Req</i>	MR	12M	
332-412-500	1		3A ECHO SUPPRESSOR— LINEUP	MR	6M	
332-412-502	1		3B ECHO SUPPRESSOR—LINEUP	MR	6M	
			1A COMPANDOR			
332-420-500	2		TESTING METHODS			
◆		3.08(3)	<i>Heater Current</i>	MR	M	
◆		3.08(3)	<i>Battery With Ballast Lamp Deleted</i>			
		3.08(7)	<i>Cathode Activity</i>	MR	3M	
		3.09	<i>Oven Temperature</i>	MR	3M	
			<i>Part 4(A) Gain Load—Compressor—Control</i>	MR	12M	

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
			<i>Point B, Control Point C, and Control Point D</i>	MR	12M	
			<i>Part 4(B) Gain Load—Expander—Control</i>			
			<i>Point B, Control Point C, and Control Point D</i>			
			TOLL CONFERENCE GROUPING CIRCUITS—6			
			OUTLET ARRANGEMENT WITH REPEATERS			
332-430-500	3		TESTS & ADJ—SW PAD NON-GAIN			
			AND CORD CKT RPTR OFFICES 1000-HZ MEAS			
		3.02	<i>Repeater Gain—Each Repeater</i>	MR	M	
		3.03	<i>Switching Pad</i>	MR	12M	
		3.04	<i>Overall Circuit—Loss Btwn Each 2 Legs</i>	MR	M	
			<i>With Both Pads—Disabled Condition</i>			
		3.05	<i>Loss Between Each 2 Legs of The Circuit With</i>	MR	3M	
			<i>Both Pads In</i>			
			OVERALL CIRCUIT—ONE-WAY CONDITION			
		3.06	<i>Loss From Incoming Leg to Each Outgoing With</i>	MR	3M	
			<i>Both Pads In</i>			
		3.06	<i>Loss From Any Outgoing Leg to Each of the</i>	MR	3M	
			<i>Other Legs</i>			
			GAIN-FREQUENCY MEASUREMENTS			
		3.07	<i>Each Repeater</i>	MR	12M	
			ACTIVE SINGING POINT TESTS			
		3.17	<i>Each Leg of Grouping Circuit—Pad Out—With</i>	MR	3M	
			<i>Other Legs in Idle Drop Condition</i>			
			PERIODIC TESTS AND ADJUSTMENTS—SIX			
332-431-300	2		OUTLET V REPEATERED VOLCAS ARRANGEMENT			
			TABLE A—SUMMARY OF TESTS			
		(A)	<i>Repeaters</i>			
			<i>1. 1000-Hz Gain</i>	MR	4M	
			<i>2. Cathode Activity</i>	MR	2M	
		(C)	<i>Miscellaneous Tests</i>			
			<i>3. VOLCAS Operating Sensitivity</i>	MR	4M	
		(D)	<i>Overall Grouping Circuit</i>			
			<i>1. 1000-Hz Loss Between Each Two Legs</i>	MR	12M	
			<i>2. Disable—1000-Hz Loss Between</i>	MR	12M	
			<i>Each Two Legs</i>			
			<i>3. One-Way Control— 1000-Hz Loss</i>	MR	12M	
			<i>(a) From Talker Leg to Each Other Leg</i>			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
			<i>(b) From Listener Leg to Each Other Leg</i>			
			<i>4. Test Calls</i>	MR	12M	
332-432-500	2		TESTS AND ADJ—VOLCAS—22-TYPE			
			REPEATERS TOLL CONFERENCE GROUPING CIRCUITS			
		6.01	<i>Cathode Activity</i>	MR	2M	
		6.05	<i>Detector Plate Current— Idle Condition</i>	MR	2M	
		6.11	<i>Maximum Detector Plate Current</i>	MR	2M	
			OPERATE SENSITIVITY—1200-HZ PAD			
			CONTROL OFFICE			
		7.14	<i>EW (Drop)</i>	MR	2M	
		7.20	<i>WE (Line)</i>	MR	2M	
		11.03	<i>Operate and Release Times</i>	MR	12M	
♦ 332-435-500	2		MULTIPOINT CONFERENCE BRIDGE—TESTS &			
& ADDENDUM	1		ADJ—TOLL CONFERENCE SERVICE			
		Part 6	<i>Trouble Test</i>	MR	12M	
332-015-500	3		SINGING POINT TESTS FOR VOICE-FREQUENCY			
			TRUNKS			
			<i>Part 5 Tests for Locating Trouble</i>	TT		
332-1			AMPLIFIER TYPE TELEPHONE REPEATERS			
			22 TYPE REPEATERS			
322-100-500	2		22A1, D-87797 and 22A2 TELEPHONE	TT		
& ADDENDUM	3		REPEATERS—TESTS AND ADJUSTMENTS			
332-100-501	2		22 TYPE TELEPHONE REPEATERS ARRANGED FOR	TT		
& ADDENDUM	1		AC OPERATION— TESTS AND ADJUSTMENTS			
			44 TYPE REPEATERS			
332-101-500	2		TESTS AND ADJUSTMENTS	TT		
& ADDENDUM	1					
			V1 TYPE REPEATERS			
332-102-500	4		TESTS AND ADJUSTMENTS	TT		
& ADDENDUM	2					
			V3 REPEATERS			
332-103-500	3		TESTS AND ADJUSTMENTS ON V3 AMPLIFIER	TT		
332-103-501	2		V1 AND V3 TELEPHONE REPEATERS—ASSOC	TT		
			EQPT TESTS AND ADJ			
332-103-502	2		ADJUSTMENT OF BATTERY SUPPLY CIRCUITS	TT		
			V4 REPEATERS			
332-104-501	2		227 TYPE AMPLIFIERS—TESTS AND ADJ	TT		

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
332-2			NEGATIVE IMPEDANCE TELEPHONE REPEATERS			
332-200-101	1		TAKING REPEATER OUT OF SERVICE AND ANALYZING TROUBLE	TT		
			E TYPE REPEATERS			
332-200-102	1		TAKING E1 OR E3 REPTR OUT OF SVC—PREPARING FOR TRBL ANALYSIS	TT		
332-200-103	1		TAKING E2 OR E23 REPEATER OUT OF SERVICE AND PREPARING FOR TROUBLE ANALYSIS	TT		
332-200-104	1		GEN PROCD—TRBL ANALY—LINE EQPD WITH E1, E2, E13, OR E23 RPTR—LITTLE GAIN. NO GAIN, OR POOR TRMSN IND	TT		
332-200-105	1		GEN PROCD—TRBL ANALY—LINE EQPD WITH E1, E2, E13, OR E23 RPTR—INSTAB OR EXCV GAIN IND	TT		
332-200-502	2		MONITORING TESTS	TT		
332-200-503	2		EFF GAIN MEAS—METHOD A— USING E RPTR TEST SET AND TEST OSC	TT		
332-200-504	2		EFF GAIN MEAS—METHOD B— USING E RPTR TEST SET AND NOISE GEN	TT		
332-200-505	2		EFF GAIN MEAS—METHOD C— USING 2G RPTR TEST SET AND TEST SET OSC	TT		
332-200-506	2		EFF GAIN MEAS—METHOD D— USING 2G RPTR TEST SET AND NOISE GEN	TT		
332-200-507	1		EFF GAIN MEAS—METHOD E—MEAS GAIN PEAKS AND VALLEYS—USING RPTR TEST SET	TT		
332-200-508	1		EFF GAIN MEAS—METHOD F—MEAS OF GAIN PEAKS AND VALLEYS—USING 2G RPTR TEST SET	TT		
			E TYPE REPEATERS			
332-200-509	2		CIRCUIT NET LOSS MEASUREMENT— METHOD A—USING TEST OSCILLATOR	TT		
332-200-510	2		CIRCUIT NET LOSS MEASUREMENT— METHOD B—USING A NOISE GENERATOR	TT		
332-200-511	3		GAIN TESTS RPTR IN STAND 600-OHM CKT— METHOD A—USING E RPTR TEST SET	TT		
332-200-512	2		GAIN TESTS RPTR IN STAND 600-OHM CKT— METHOD B—USING 2G RPTR TEST SET	TT		
332-206-100	1		E TYPE REPEATERS—E6 REPEATER			
& ADDENDUM	1					

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
			<i>CHAPTER VII Maintenance</i>	<i>TT</i>		
332-3			<i>SPECIAL SERVICES LINES—LINEUP</i>			
332-310-501	1		<i>SPECIAL SERVICES OVERALL LINEUP—OFF- PREMISES STATION LINES WITH E6 REPEATERS</i>	<i>TT</i>		
332-310-551	1		<i>SPEC SERV LINK LINEUP—PBX TO CO—2W LINK USING E6 RPTRS</i>	<i>TT</i>		
332-310-552	1		<i>SPEC SERV LINK LINEUP—CO TO CO—2-W LINK USING E6 RPTRS</i>	<i>TT</i>		
332-310-553	1		<i>SPEC SERV LINK LINEUP—CO TO STATION 2-W LINK USING E6 RPTRS</i>	<i>TT</i>		
332-4			<i>PIL WIRE REGS, ECHO SUPRS, TOLL CONF GRP CKTS, AND AUX EQPT PIL WIRE REGS</i>			
332-400-300	2		<i>4A AND 5A SYSTEM—INITIAL LINEUP AND MAINTENANCE PROCEDURES</i>	<i>TT</i>		
332-400-500	3		<i>4A SYSTEM—TESTS AND ADJUSTMENTS</i>	<i>TT</i>		
332-401-500	3		<i>5A SYSTEM—TESTS AND ADJUSTMENTS ECHO SUPPRESSORS</i>	<i>TT</i>		
332-410-301	1		<i>1A SUPPRESSOR—OPERATIONAL TEST FROM CIRCUIT TERMINALS</i>	<i>TT</i>		
332-410-500	5		<i>1A SUPPRESSOR AND DISABLER—TESTS AND ADJUSTMENTS</i>			
		<i>Part 5</i>	<i>Trouble Locating Tst & Adjmts</i>			
332-410-501	1		<i>1A ECHO SUPR & DISABLER EQUIPPED WITH 326-TYPE MERCURY RELAYS—TESTS & ADJ</i>	<i>TT</i>		
		<i>Part 5</i>	<i>Trouble-Loc Tests & Req</i>	<i>TT</i>		
332-420-500	2		<i>TESTING METHODS TOLL CONFERENCE GROUPING CIRCUITS— 6 OUTLET ARRANGEMENT WITH REPEATERS</i>	<i>TT</i>		
332-430-500	3		<i>TESTS AND ADJ—SW PAD NON-GAIN AND CORD CKT RPTR OFFICES</i>	<i>TT</i>		
332-431-500	3		<i>SIX OUTLET V RPTRD ARRGMT—TESTS AND ADJ—VOLCAS—22 TYPE RPTRS TOLL CONF GRP CKTS</i>	<i>TT</i>		
			<i>TOLL CONFERENCE GROUPING CIRCUITS—6 OUTLET ARRANGEMENT WITHOUT REPEATERS</i>			
332-432-500	2		<i>TESTS AND ADJ—VOLCAS FOR 22-TYPE</i>	<i>TT</i>		

