

EQUIPMENT TEST LIST

TOLL-TYPE EQUIPMENT

PRIVATE LINE TELEGRAPH SYSTEMS AND SERVICES

SEE SECTION 010-300-011 FOR ETL INSTRUCTIONS

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
312			PRIVATE LINE TELEGRAPH SYSTEMS AND SERVICES			
312-215			Power Supply Circuits			
312-215-500	2		NEGATIVE 330-VOLT TELEGRAPH SUPPLY CIRCUIT			
			— TESTS AND ADJUSTMENTS			
		2.	<i>Adjustments</i>			
		(B)	<i>Routine Adjustments</i>			
		2.03	<i>Monthly Adjustments</i>	MW	M	
		2.05	<i>Annual Tube Replacement</i>	MW	12M	
312-4			ELECTRONIC TELEGRAPH REPEATERS			
312-405-500	2		96A1 ELECTRONIC LOOP REPEATER (TELEGRAPH)			
		2.	<i>Test Procedures</i>			
		(B)	<i>Tube Testing</i>	MR	12M	
		2.03	<i>Neutral Loop Current</i>	MR	12M	
		2.04	<i>RL Lead Current</i>	MR	12M	
		2.05	<i>Duplex Control Circuit</i>	MR	12M	
		2.06	<i>Bias Adjustment</i>	MR	12M	
312-5			REGENERATIVE TELEGRAPH REPEATERS			
312-507-500	5		143A1 AND 143A2 REGENERATIVE TELEGRAPH REPEATERS — TESTS AND ADJUSTMENTS			
		3.	<i>Test and Adjustments</i>			
		E.	<i>Oscillator Stop Current Adjustment</i>	MR	M	
312-509-500	1		145A1 REGENERATIVE REPEATER (CENTRAL OFFICE DATA SYSTEMS) TESTS			
		2	<i>Testing Repeater Using Distortion Measuring Equipment</i>	MW	6M	
		3	<i>Testing Repeater Using Comparator</i>	MW	6M	
312-6			40-TYPE CARRIER TELEGRAPH SYSTEMS			
312-601,602			40-Type Carrier Systems			
312-601-500	5		40C1 TERMINALS — USE OF 160A1 CARRIER			
			TELEGRAPH TEST SET			
		3.	<i>Description of Tests and Adjustments</i>			
		(F)	<i>Cathode Activity Test</i>	MW	12M	
		(H)	<i>Detector Sensitivity Test</i>	MW	12M	
		(I)	<i>Setting of IN Potentiometer for Normal Detector Gain</i>	MW	12M	
		(K)	<i>Compensation Range Test</i>	MW	12M	
		(L)	<i>Grid Emission Test</i>	MW	12M	

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B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
312-601-500	5		(Cont)			
		(N)	<i>Over-All Bias and Transmission Test</i>	<i>MW</i>	<i>12M</i>	
312-610			Carrier Supply			
312-610-500	5		140A1 CARRIER SUPPLY — TESTS AND			
			ADJUSTMENTS			
		2.	<i>Voltmeter Calibration and Tube Replacement</i>			
		(A)	<i>Voltmeter Calibration</i>	<i>MW</i>	<i>12M</i>	
		3.	<i>Description of Tests and Adjustments</i>			
		(C)	<i>Base Frequency Oscillator</i>			
			<i>Filament Activity</i>	<i>MW</i>	<i>3M</i>	
			<i>Frequency Adjustment</i>	<i>MW</i>	<i>3M</i>	
		(D)	<i>Base Frequency Amplifier and Harmonic</i>			
			<i>Generator</i>			
			<i>Filament Activity</i>	<i>MW</i>	<i>3M</i>	
		(E)	<i>Channel Frequency Oscillator Filament Activity</i>	<i>MW</i>	<i>3M</i>	
			<i>Output Voltage</i>	<i>MW</i>	<i>M</i>	
			<i>Frequency Control</i>	<i>MW</i>	<i>6M</i>	
		(F)	<i>Adjustable Frequency Oscillator</i>			
			<i>Filament Activity</i>	<i>MW</i>	<i>3M</i>	
			<i>Output Voltage</i>	<i>MW</i>	<i>M</i>	
		(G)	<i>Check of Low Voltage Alarm Circuit</i>	<i>MW</i>	<i>6M</i>	
312-7			43-TYPE CARRIER TELEGRAPH SYSTEMS			
312-700,708			43A1 Carrier Telegraph System			
312-703-500	4		ADJUSTMENT OF LOOP CURRENT USING			
			DIFFERENTIAL METER			
			<i>Step 16 For Loops Less Than Three Miles</i>	<i>MR</i>	<i>12M</i>	
			<i>Step 17 For Loops Three Miles or Longer</i>	<i>MR</i>	<i>12M</i>	
312-703-501	4		ADJUSTMENT OF LOOP CURRENT USING			
			NON-DIFFERENTIAL METER			
			<i>Step 15 For Loops Less Than Three Miles</i>	<i>MR</i>	<i>12M</i>	
			<i>Step 16 For Loops Three Miles or Longer</i>	<i>MR</i>	<i>12M</i>	
312-703-502	4		ADJUSTMENT OF LOOP CURRENT USING 43A1			
			TEST TERMINATING CIRCUIT			
			<i>Step 18 For Loops Less Than Three Miles</i>	<i>MR</i>	<i>12M</i>	
			<i>Step 19 For Loops Three Miles or Longer</i>	<i>MR</i>	<i>12M</i>	
312-703-503	4		ADJUSTMENT OF LOOP CURRENT — NO SPECIAL			
			EQUIPMENT			

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B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
312-703-503	4		(Cont)			
			<i>Step 13 For Loops Less Than Three Miles</i>	<i>MR</i>	<i>12M</i>	
			<i>Step 15 For Loops Three Miles or Longer</i>	<i>MR</i>	<i>12M</i>	
312-709			Voice-Frequency Carrier A1 Level Variation			
			Detector			
312-709-500	3		TEST AND ADJUSTMENTS	<i>MR</i>	<i>12M</i>	
312			PRIVATE LINE TELEGRAPH SYSTEMS & SERVICES			
312-2			DC TELEGRAPH SYSTEMS AND ASSOCIATED			
			EQUIPMENT			
312-200-500	1		METALLIC TELEGRAPH SYSTEM —	<i>TT</i>		
			EQUALIZATION TEST AND ADJUSTMENTS			
312-200-501	1		GROUNDED TELEGRAPH SYSTEM —	<i>TT</i>		
			EQUALIZATION TEST AND ADJUSTMENTS			
312-210,211			Associated Equipment — Coupling Units and			
			Connecting Blocks			
312-210-500	2		144A1, 144B1, 144C1 COUPLING UNITS —	<i>TT</i>		
			TESTS			
312-215			Power Supply Circuits			
312-215-500	2		NEGATIVE 330 VOLT TELEGRAPH SUPPLY			
			CIRCUIT — TESTS AND ADJUSTMENTS			
		2.	<i>Adjustment</i>			
		(A)	<i>Initial Adjustments</i>	<i>TT</i>		
		(C)	<i>Service Adjustments</i>	<i>TT</i>		
		3.	<i>Trouble Location</i>			
		(A)	<i>Primary Power Supply</i>	<i>TT</i>		
		(B)	<i>Reserve Power Supply</i>	<i>TT</i>		
		(C)	<i>Distribution Network</i>	<i>TT</i>		
312-3			MECHANICAL TELEGRAPH REPEATERS			
312-301-500	1		10E1 TELEGRAPH SINGLE-LINE REPEATER —	<i>TT</i>		
			TESTS AND ADJUSTMENTS			
312-303-500	1		16B1 TELEGRAPH REPEATER — TESTS AND ADJUSTMENTS	<i>TT</i>		
312-304-500	1		16C1 TELEGRAPH REPEATER AND BALANCED LOOP	<i>TT</i>		
■ ADDENDUM	1		APPLIQUE — TESTS AND ADJUSTMENTS			
312-305-500	1		20C2 METALLIC TELEGRAPH TERMINAL REPEATER	<i>TT</i>		
			— TESTS AND ADJUSTMENTS			
312-4			ELECTRONIC TELEGRAPH REPEATERS			

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312-405-500	2		96A1 ELECTRONIC LOOP REPEATER (TELEGRAPH)			
& ADDENDUM	1					
		2.	<i>Test Procedures</i>			
		(C)	<i>Trouble Location</i>	TT		
312-5			REGENERATIVE TELEGRAPH REPEATERS			
312-507-500	5		143A1 AND 143A2 REGENERATIVE TELEGRAPH REPEATERS — TESTS AND ADJUSTMENTS			
		3.	<i>Test and Adjustments</i>	TT		
		4.	<i>Supplemental Tests</i>	TT		
312-509-500	1		145A1 REGENERATIVE REPEATER — (CENTRAL OFFICE DATA SYSTEMS) — TESTS			
		3	<i>Isolating Troubles</i>	TT		
		4	<i>Locating Troubles in External Circuits</i>	TT		
312-6			40-TYPE CARRIER TELEGRAPH SYSTEM			
312-601)			40-Type Carrier Systems			
312-602)						
312-601-500	5		40C1 TERMINALS — USE OF 160A1 CARRIER			
& ADDENDUM	2		TELEGRAPH TEST SET			
		3.	<i>Description of Tests and Adjustments</i>			
		(A)	<i>Plate Battery Voltage</i>	TT		
		(B)	<i>Heater-Current Measurements and Adjustments</i>	TT		
		(C)	<i>Carrier Supply Test (CSTST) Output</i>	TT		
		(D)	<i>Transmitting Output</i>	TT		
		(E)	<i>Tube Selection</i>	TT		
		(G)	<i>Setting of VA ADJ Potentiometer</i>	TT		
		(J)	<i>Setting of BIAS Potentiometer</i>	TT		
		(M)	<i>Signal-to-Interference (S/I) Ratio</i>	TT		
		(O)	<i>Single Channel Line-Level Test</i>	TT		
		(P)	<i>Filter Transmission</i>	TT		
		(Q)	<i>Local Circuit Operation</i>	TT		
		(R)	<i>Loop Current Adjustment</i>	TT		
312-602-500	1		40C2 TERMINAL — TESTS AND ADJUSTMENTS	TT		
312-610			Carrier Supply			
312-610-500	5		140A1 CARRIER SUPPLY — TESTS AND			
& ADDENDUM	1		ADJUSTMENTS			
		2	<i>Voltmeter Calibration and Tube Replacement</i>			
		(B)	<i>Tube Replacement</i>	TT		

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B.S.P.	ISS	TEST OR REQ.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
312-610-500	5		(Cont)			
& ADDENDUM	1	3	<i>Description of Tests and Adjustments</i>			
		(A)	<i>Plate Battery Voltage</i>	TT		
		(B)	<i>Filament or Heater Current Measurement and Adjustment</i>	TT		
		(C)	<i>Base Frequency Oscillator Output Voltage</i>	TT		
		(D)	<i>Base Frequency Amplifier and Harmonic Generator</i>			
			<i>Amplifier Output Voltage</i>	TT		
			<i>Harmonic Generator Peak Output Voltage</i>	TT		
		(E)	<i>Channel Frequency Oscillator</i>			
			<i>Frequency Adjustment</i>	TT		
			<i>Phasing Test</i>	TT		
		(F)	<i>Adjustable Frequency Oscillator</i>			
			<i>Frequency Adjustment</i>	TT		
		(H)	<i>Tuning of Harmonic Generator Input</i>	TT		
			<i>— Single Oscillator Bank</i>			
		(I)	<i>Two Oscillator Banks — Harmonic Generator</i>	TT		
			<i>Output Test and Coarse Adjustment</i>			
		(J)	<i>Two Oscillator Banks — Channel Oscillator</i>	TT		
			<i>Output Test and Fine Adjustment</i>			
312-7			43-TYPE CARRIER TELEGRAPH SYSTEMS			
312-700			43A1 Carrier Telegraph System			
312-700-502	1		SENDING LEVEL ADJUSTMENT	TT		
312-700-503	1		ESTABLISHING A MARKING SIGNAL CONDITION	TT		
312-700-505	2		CHECK FOR HUB OPERATION	TT		
312-700-506	1		BACK-TO-BACK OPERATION TESTS	TT		
312-700-507	1		SUPERVISORY CIRCUIT TESTS	TT		
& ADDENDUM	1					
312-701-504	1		OVERALL LINE-UP TESTS	TT		
312-701-506	1		TESTING HALF-DUPLEX — INTERCONNECTING NETWORK	TT		
312-702-501	1		TROUBLE TESTS LOCATING DEFECTIVE CHANNEL	TT		
			TERMINAL COMPONENTS			
312-705-501	1		TROUBLE TESTS — TESTS AND READJUSTMENT OF	TT		
			454-TYPE RECEIVING NETWORKS			
312-710			43B1 Voice Frequency Carrier Data System			

