

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)	Over-All Bias and Transmission Test	MW	12M	
312-610			Carrier Supply			
312-610-500	5		140A1 CARRIER SUPPLY — TESTS AND			
			ADJUSTMENTS			
		2.	Voltmeter Calibration and Tube Replacement			
		(A)	Voltmeter Calibration	MW	12M	
		3.	Description of Tests and Adjustments			
		(C)	Base Frequency Oscillator			
			Filament Activity	MW	3M	
			Frequency Adjustment	MW	3M	
		(D)	Base Frequency Amplifier and Harmonic			
			Generator			
			Filament Activity	MW	3M	
		(E)	Channel Frequency Oscillator Filament Activity	MW	3M	
			Output Voltage	MW	M	
			Frequency Control	MW	6M	
		(F)	Adjustable Frequency Oscillator			
			Filament Activity	MW	3M	
			Output Voltage	MW	M	
		(G)	Check of Low Voltage Alarm Circuit	MW	6M	
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			
			Step 16 For Loops Less Than Three Miles	MR	12M	
			Step 17 For Loops Three Miles or Longer	MR	12M	
312-703-501	4		ADJUSTMENT OF LOOP CURRENT USING			
			NON-DIFFERENTIAL METER			
			Step 15 For Loops Less Than Three Miles	MR	12M	
			Step 16 For Loops Three Miles or Longer	MR	12M	
312-703-502	4		ADJUSTMENT OF LOOP CURRENT USING 43A1			
			TEST TERMINATING CIRCUIT			
			Step 18 For Loops Less Than Three Miles	MR	12M	
			Step 19 For Loops Three Miles or Longer	MR	12M	
312-703-503	4		ADJUSTMENT OF LOOP CURRENT — NO SPECIAL			
			EQUIPMENT			

EQUIPMENT TEST LIST						
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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B.S.P.	ISS	TEST OR REQ.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
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		

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
312-610-500	5		(Cont)			
& ADDENDUM	1	3	Description of Tests and Adjustments			
		(A)	Plate Battery Voltage	TT		
		(B)	Filament or Heater Current Measurement and Adjustment	TT		
		(C)	Base Frequency Oscillator Output Voltage	TT		
		(D)	Base Frequency Amplifier and Harmonic Generator			
			Amplifier Output Voltage	TT		
			Harmonic Generator Peak Output Voltage	TT		
		(E)	Channel Frequency Oscillator Frequency Adjustment	TT		
			Phasing Test	TT		
		(F)	Adjustable Frequency Oscillator Frequency Adjustment	TT		
		(H)	Tuning of Harmonic Generator Input — Single Oscillator Bank	TT		
		(I)	Two Oscillator Banks — Harmonic Generator Output Test and Coarse Adjustment	TT		
		(J)	Two Oscillator Banks — Channel Oscillator Output Test and Fine Adjustment	TT		
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 TERMINAL COMPONENTS	TT		
312-705-501	1		TROUBLE TESTS — TESTS AND READJUSTMENT OF	TT		
			454-TYPE RECEIVING NETWORKS			
312-710			43B1 Voice Frequency Carrier Data System			

