

EQUIPMENT TEST LIST
RECTIFIERS, J-CODE
POWER SYSTEMS EQUIPMENT

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NOTICE

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26.47 J87229	11		
26.48 J87232A	12		
26.49 J87233A	12	1. GENERAL	
26.50 J87249A,B	12	1.01 This section provides an index and information access system to locate the standard tests applicable to equipment listed in the preceding table of contents. Test classification and frequency of periodic routine are also provided.	
26.51 J87275	12		
26.52 J87320A	13	1.02 This ETL is reissued to incorporate changes in paragraphs 26.1 through 26.11, 26.17 through 26.25, 26.37, 26.38, 26.40 through 26.49, 26.52, 26.56 through 26.65, and add paragraphs 26.66 through 26.69. An arrow has been placed to the left of each line which has been changed.	
26.53 J87346	13		
26.54 J87358	13	1.03 Comments on this section should be made by following the instructions in Bell System Practices (BSP), Section 000-010-015.	
26.55 J87434A	13		
26.56 J87435A	13	1.04 Routine test information is arranged in the following order from left to right: Section number, issue/addendum, test letter or paragraph number, test title, test class, frequency, and the last space is for a locally assigned job number.	
26.57 J86281A	13		
26.58 J87242A	14	1.05 Section 010-300-011 provides Equipment Test List instructions.	
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SECTION 169-001-011

26.0 RECTIFIERS, J-CD

26.1 RECTIFIERS, J-CD; J86207(ADGHKLMU)

FOR ALL UNITS

>	169-230-301 (8/1)	1.10	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.01	(A) CHECK OUTPUT CURRENT AND VOLTAGE	MW 3M	-----
		4.01	(D) CHECK CONDITION OF ELECTRON TUBES	MW 12M	-----
		4.01	(E) CHECK GRID BATTERY VOLTAGE	MW 12M	-----
>		4.01	(F) INSPECT CONDITION & ADJMT OF RELAY CONTACTS	MW 12M	-----

> 26.2 RECTIFIERS, J-CD; J86207-B,R,T,J86216A

FOR ALL UNITS

>	169-603-302 (5/0)	1.06	CLEAN VENTILATING PASSAGES	MW 12M	-----
		3.03	CHECK OUTPUT VOLTAGE	MW 3M	-----
		4.01	(A) CHECK ELECTRON TUBES	MW 6M	-----
		4.01	(B) INSPECTION OF RELAYS	MW 6M	-----

26.3 RECTIFIERS, J-CD; J86207C,F

FOR ALL UNITS

>	169-603-303 (7/0)	1.07	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.01	(A) CHECK TIME DELAY RELAY	MW 12M	-----
		4.01	(F) CHECK OUTPUT VOLTAGE	MW 3M	-----

OPTIONAL FEATURES

W/ELECTRON TUBES

	169-603-303 (7/0)	4.01	(B) CHECK ELECTRON TUBES	MW 12M	-----
		4.01	(E) CHECK GRID BATTERY	MW 12M	-----

26.4 RECTIFIERS, J-CD; J86207E,J L4, L5

FOR ALL UNITS

>	169-232-301 (5/0)	1.08	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.01	(A) CHECK OPERATING TIME OF TD RELAYS	MW 3M	-----
		4.01	(B) J86207E AND J86207J, L4, L5 RECTIFIERS OUTPUT CURRENT AND VOLTAGE	MW 3M	-----
		4.01	(D) READJUST ADJ VOLTS CONTROL	MW 12M	-----

OPTIONAL FEATURES

W/ELECTRON TUBES

	169-232-301 (5/0)	4.01	(C) ELECTRON TUBE RECTIFIERS * (1) TEST ELECTRON TUBES	MW 12M	-----
		4.01	(C) ELECTRON TUBE RECTIFIERS * (3) CHECK GRID BATTERY VOLTAGE	MW 12M	-----

26.5 RECTIFIERS, J-CD; J86207J,L6

FOR ALL UNITS

>	169-232-301 (5/0)	1.08	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.01	(A) CHECK OPERATING TIME OF TD RELAYS	MW 3M	-----
		4.01	(D) READJUST ADJ VOLTS CONTROL	MW 12M	-----

OPTIONAL FEATURES

W/ELECTRON TUBES

169-232-301	(5/0)	4.01	(C) ELECTRON TUBE RECTIFIERS * (1) TEST ELECTRON TUBES	MW 12M	-----
		4.01	(C) ELECTRON TUBE RECTIFIERS * (3) CHECK GRID BATTERY VOLTAGE	MW 12M	-----

26.6 RECTIFIERS, J-CD; J86207P,S

FOR ALL UNITS

>	169-603-319	(6/0)	1.05	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	CHECK OL AND RB RELAYS	MW 12M	-----
			4.03	MOTOR LUBRICATION	MW 12M	-----

OPTIONAL FEATURES

W/ELECTRON TUBES

169-603-319	(6/0)	4.02	CHECK ELECTRON TUBES	MW 12M	-----
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26.7 RECTIFIERS, J-CD; J86207W

FOR ALL UNITS

>	169-234-301	(4/0)	1.07	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	(D) CHECK TD RELAY OPERATE TIME	MW 12M	-----
			4.01	(E) READJUST REG CONTROL	MW 12M	-----
			4.01	(F) TEST AUTO MAN CONTROL	MW 12M	-----

OPTIONAL FEATURES

W/ELECTRON TUBES

169-234-301	(4/0)	4.01	(A&C) CHECK ELECTRON TUBES	MW 12M	-----
		4.01	(B&C) CHECK GRID BATTERY	MW 12M	-----

26.8 RECTIFIERS, J-CD; J86217A

FOR ALL UNITS

169-604-301	(2/0)	4.01	(A) CHECK OUTPUT VOLTAGE	MW 1M	-----
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26.9 RECTIFIERS, J-CD; J86218A

FOR ALL UNITS

169-605-301	(2/0)	0.01	CHECK FOR NORMAL OUTPUT VOLTAGE	MW 1M	-----
		3.02	CHECK (V2-V3) LOAD DIVISION	MW 6M	-----

26.10 RECTIFIERS, J-CD; J86219A

FOR ALL UNITS

169-606-301	(2/0)	-	CHECK FOR NORMAL OUTPUT VOLTAGE	MW 1M	-----
		3.01	CHECK (V1-V5) LOAD DIVISION	MW 6M	-----

26.11 RECTIFIERS, J-CD; J86219B L1-L3

FOR ALL UNITS

>	169-606-302	(4/0)	-	CHECK FOR NORMAL OUTPUT VOLTAGE	MW 1M	-----
			1.08	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	(B) CHECK (V3-V6) LOAD DIVISION	MW 6M	-----

26.12 RECTIFIERS, J-CD; J86221A

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FOR ALL UNITS

169-607-301	(5/0)	4.01	(A) CHECK OUTPUT VOLTAGE	MW 1M	-----
		4.01	(B) CHECK CAPACITORS	MW 12M	-----
		4.01	(C) CHECK ELECTRON TUBES	MW 12M	-----

> 26.13 RECTIFIERS, J-CD; J86225 (A,B,C,D,E)

FOR ALL UNITS

169-608-301	(5/0)	-	CHECK FOR NORMAL OUTPUT VOLTAGE	MW 1M	-----
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OPTIONAL FEATURES

W/ELECTRON TUBES

169-608-301	(5/0)	4.01	CHECK ELECTRON TUBES	MW 12M	-----
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> 26.14 RECTIFIERS, J-CD; J86226 (A,B,C,D)

FOR ALL UNITS

169-609-301	(5/0)	-	CHECK FOR NORMAL OUTPUT VOLTAGE	MW 1M	-----
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OPTIONAL FEATURES

W/ELECTRON TUBES

169-609-301	(5/0)	4.01	CHECK ELECTRON TUBES	MW 12M	-----
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26.15 RECTIFIERS, J-CD; J86227(A,B,C,D)

FOR ALL UNITS

169-610-301	(4/0)	-	CHECK FOR NORMAL OUTPUT VOLTAGE	MW 1M	-----
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OPTIONAL FEATURES

W/ELECTRON TUBES

169-610-301	(4/0)	4.01	CHECK ELECTRON TUBES	MW 12M	-----
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> 26.16 RECTIFIERS, J-CD; J86228 (A,B)

FOR ALL UNITS

169-611-301	(2/0)	4.02	CHECK OUTPUT VOLTAGE	MW 1M	-----
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26.17 RECTIFIERS, J-CD; J86231A

FOR ALL UNITS

169-238-301	(3/0)	1.09	CLEAN RECTIFYING ELEMENTS	MW 12M	-----
		4.06	CHECK RECTIFIER FAILURE ALARM	MW 12M	-----
		4.08	CHECK CHARGE FUSE ALARM	MW 12M	-----

OPTIONAL FEATURES

W/MANUAL CONTROL

169-238-301	(3/0)	4.05	CHECK MANUAL OPERATION	MW 12M	-----
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> TROUBLE TESTS

>	169-238-301	(3/0)	5.02	RECTIFYING ELEMENT (STACK) CR1-CR4 RPLCMT	TT	-----
>			5.03	PRINTED CKT BOARD (CPS-1, CPS-2, CPS-3) RPLCMT	TT	-----
>			5.04	TROUBLE CHART	TT	-----

26.18 RECTIFIERS, J-CD; J86239A

FOR ALL UNITS

169-612-301	(2/0)	-	CHECK FOR NORMAL OUTPUT VOLTAGE	MW 1M	-----
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>	169-612-301 (2/0)	1.06	CLEAN VENTILATING PASSAGES	MW 12M	-----
		3.01	CHECK ELECTRON TUBES	MW 12M	-----
		3.02	CHECK LOAD BALANCE	MW 6M	-----
	26.19 RECTIFIERS, J-CD; J86239C				
	FOR ALL UNITS				
>	169-612-303 (3/0)	-	CHECK FOR NORMAL OUTPUT VOLTAGE (WHEN USED AS BATTERY CHARGER)	MW 1M	-----
>		1.05	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.02	CHECK HV RELAY OPERATION	MW 12M	-----
	OPTIONAL FEATURES				
	NOT USED AS BATT CHGR				
	169-612-303 (3/0)	-	CHECK FOR NORMAL OUTPUT VOLTAGE (WHEN NOT USED AS BATTERY CHARGER)	MW 1M	-----
	26.20 RECTIFIERS, J-CD; J86240A,B				
	FOR ALL UNITS				
>	169-613-301 (11/0)	4.01	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.02	OUTPUT FLOAT VOLTAGE AND CURRENT CHECK	MW 3M	-----
		4.03	INSPECTION OF RELAYS	MW 12M	-----
		4.04	FLOAT VOLTAGE ADJUSTMENT	MW 12M	-----
		4.05	OVERCHARGE ADJUSTMENT	MW 12M	-----
		4.06	ANTI-HUNT ADJUSTMENT	MW 12M	-----
	OPTIONAL FEATURES, SELECT NO MORE THAN ONE CATEGORY				
	RELAY TYPE CONTROL				
	169-613-301 (11/0)	4.07	OL RELAY ADJUSTMENT (RELAY TYPE CONTROL)	MW 12M	-----
		4.08	CONSTANT CURRENT ADJUSTMENT (RELAY TYPE CONTROL)	MW 12M	-----
	ELECTRONIC CONTROL				
	169-613-301 (11/0)	4.09	ELECTRONIC CURRENT-LIMITING ADJUSTMENT (ELECTRONIC TYPE CONTROL)	MW 12M	-----
		4.10	OL RELAY ADJUSTMENT (ELECTRONIC TYPE CONTROL)	MW 12M	-----
	26.21 RECTIFIERS, J-CD; J86241				
	FOR ALL UNITS				
>	169-614-301 (2/0)	1.06	CLEAN VENTILATING PASSAGES	MW 12M	-----
		3.01	CHECK OUTPUT VOLTAGE	MW 1M	-----
		3.02	CHECK PF RELAY OPERATION	MW 12M	-----
	26.22 RECTIFIERS, J-CD; J86242				
	FOR ALL UNITS				
>	169-615-301 (2/0)	1.03	CLEAN VENTILATING PASSAGES	MW 12M	-----
		3.01	CHECK PF RELAY OPERATION	MW 12M	-----
	26.23 RECTIFIERS, J-CD; J86243A				
	FOR ALL UNITS				
>	169-616-301 (2/0)	1.04	CLEAN VENTILATING PASSAGES	MW 12M	-----

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	169-616-301 (2/0)	3.01	CHECK PF RELAY OPERATION	MW 12M	-----
	26.24 RECTIFIERS, J-CD; J86244A				
	FOR ALL UNITS				
>	169-617-301 (7/2)	1.05	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.05	CHECK RELAYS	MW 12M	-----
		4.06	CHECK OUTPUT VOLTAGE	MW 1M	-----
		4.08	CHECK REGULATOR BY-PASS	MW 1M	-----
		4.09	FLOAT VOLTAGE AND LOAD ADJUSTMENT	MW 1M	-----
		4.10	VERIFY OVERCHARGE VOLTAGE ADJUSTMENT	MW 12M	-----
		4.11	CHECK MAXIMUM CURRENT ADJUSTMENT	MW 12M	-----
		4.12	CHECK OUTPUT CURRENT RELAY	MW 12M	-----
		4.13	CHECK V2 AND V6 ELECTRON TUBES	MW 6M	-----
	26.25 RECTIFIERS, J-CD; J86249A,B,C				
	SELECT ONLY ONE CATEGORY				
	W/J86249E L1				
>	169-618-303 (4/2)	1.04	CLEAN VENTILATING PASSAGES	MW 12M	-----
		3.02	OPERATE TEST SWITCHES TO CHECK RECTIFIER OPERATION	MW 12M	-----
		4.01	CHECK RELAYS	MW 12M	-----
		4.02	REGULATION CHECK	MW 12M	-----
		4.03	TEST OPERATION CHECK	MW 12M	-----
		4.04	RECTIFIER CIRCUIT CHECKS * (1-12) OVERLOAD LIMIT OL RELAY	MW 12M	-----
		4.04	RECTIFIER CIRCUIT CHECKS * (13-22) MAXIMUM CURRENT LIMIT	MW 12M	-----
		4.04	RECTIFIER CIRCUIT CHECKS * (23) ANTI-HUNT	MW 12M	-----
		4.04	RECTIFIER CIRCUIT CHECKS * (24-25) OVERCHARGE VOLTAGE	MW 12M	-----
		4.05	OUTPUT CURRENT (AR) AMMETER RELAY	MW 12M	-----
		4.06	CHECK CALIBRATION OF OUTPUT VOLTS METER	MW 12M	-----
	W/J86249E L2				
	169-618-301 (5/0)	4.01	CHECK ELECTRON TUBES	MW 12M	-----
		4.02	CHECK CONTACTOR AND RELAYS	MW 12M	-----
>		4.03	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.05	CHECK CALIBRATION OF OUTPUT VOLTS METER	MW 12M	-----
		4.06	OUTPUT CURRENT AMMETER RELAY	MW 12M	-----
		4.07	OVERLOAD LIMIT	MW 12M	-----
		4.08	AHR AND AHL POTENTIOMETER ADJUSTMENT	MW 12M	-----
		4.09	SWITCH CLEANING	MW 6M	-----
	W/J86249E L3				
>	169-618-305 (3/2)	1.05	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.01	CHECK RELAYS	MW 12M	-----

169-618-305 (3/2)	4.02	CHECK CONT KEY	MW 12M	-----
	4.03	CHECK RECTIFIER OPERATION	MW 12M	-----
	4.04	CON CUR TST MILLIVOLTMETER CALIBRATION	MW 12M	-----
	4.06	CONSTANT CURRENT (CON CUR) CIRCUIT AND OL RELAY ADJUSTMENT	MW 12M	-----
	4.07	OUT VOLTS METER	MW 12M	-----
26.26 RECTIFIERS, J-CD; J86263A,B				
FOR ALL UNITS				
169-620-301 (2/0)	3.01	CHECK OPERATION OF OL AND RB RELAYS	MW 12M	-----
	3.02	CHECK CHARGE FUSE ALARM	MW 12M	-----
26.27 RECTIFIERS, J-CD; J86266A				
FOR ALL UNITS				
169-622-301 (5/0)	1.07	CLEAN VENTILATING PASSAGES	MW 12M	-----
	4.01	CHECK OPERATION OF RAISE-LOWER KEYS	MW 12M	-----
	4.02	CHECK ALARM OPERATION	MW 12M	-----
	4.04	INSPECT RELAY CONDITION	MW 12M	-----
	4.05	CHECK OPERATION OF OL, OLA, FL, AND FLA RELAYS	MW 12M	-----
26.28 RECTIFIERS, J-CD; J86273				
SELECT ONLY ONE CATEGORY				
W/CURRENT REGULATED OUTPUT				
169-623-301 (4/1)	4.01	CHECK ELECTRON TUBES	MW 12M	-----
	4.02	CHECK CONTACTOR AND RELAYS	MW 12M	-----
	4.05	AUTOMATIC OPERATION	MW 12M	-----
	4.06	MANUAL OPERATION	MW 12M	-----
	4.07	OL RELAY CIRCUIT CHECK	MW 12M	-----
	4.08	OL RELAY CHECK	MW 12M	-----
	4.09	FAN FAILURE ALARM	MW 12M	-----
	4.10	CLEANING	MW 3M	-----
W/VOLTAGE REGULATED OUTPUT				
169-623-306 (4/1)	4.01	CHECK CONTACTOR AND RELAYS	MW 12M	-----
	4.03	AUTOMATIC OPERATION	MW 12M	-----
	4.04	CURRENT-LIMITING CIRCUIT	MW 12M	-----
	4.05	MANUAL OPERATION	MW 12M	-----
	4.06	FLOAT AND CHARGE VOLTAGE	MW 12M	-----
	4.07	OL RELAY CIRCUIT	MW 12M	-----
	4.08	OL RELAY	MW 12M	-----
	4.09	VR NETWORK	MW 12M	-----
	4.10	CONSTANT CURRENT SETTING	MW 12M	-----
	4.11	FAN FAILURE ALARM	MW 12M	-----
	4.12	CLEANING	MW 12M	-----
26.29 RECTIFIERS, J-CD; J86277A				

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FOR ALL UNITS			
169-624-301	(1/0)	4.01 (A) CHECK OUTPUT VOLTAGE	MW 1M -----
26.30	RECTIFIERS, J-CD; J86277B		
FOR ALL UNITS			
169-624-302	(1/0)	4.01 (A) CHECK OUTPUT VOLTAGE	MW 1M -----
26.31	RECTIFIERS, J-CD; J86278A		
FOR ALL UNITS			
169-625-301	(3/0)	4.01 (A) CHECK OUTPUT VOLTAGE	MW 1M -----
26.32	RECTIFIERS, J-CD; J86278B		
FOR ALL UNITS			
169-625-302	(2/0)	4.01 (A) CHECK OUTPUT VOLTAGE	MW 1M -----
26.33	RECTIFIERS, J-CD; J86280A		
FOR ALL UNITS			
169-626-301	(3/0)	4.01 (A) CHECK OUTPUT VOLTAGE	MW 1M -----
26.34	RECTIFIERS, J-CD; J86286A		
FOR ALL UNITS			
169-627-301	(1/0)	4.01 (A) CHECK OUTPUT VOLTAGE	MW 1M -----
26.35	RECTIFIERS, J-CD; J86288A		
FOR ALL UNITS			
169-628-301	(1/0)	4.01 (A) CHECK OUTPUT VOLTAGE	MW 1M -----
26.36	RECTIFIERS, J-CD; J86295A		
SELECT ONLY ONE CATEGORY			
CURRENT REG,R&E CELLS			
169-630-303	(5/1)	4.02 CLEAN VENTILATING PASSAGES	MW 12M -----
		4.03 AUTOMATIC OPERATION	MW 12M -----
		4.04 MAGNETIC AMPLIFIER RANGE	MW 12M -----
		4.05 MAXIMUM CURRENT LIMIT	MW 12M -----
		4.07 RAISE AND LOWER RATE	MW 12M -----
		4.08 HIGH AND LOW SETTING OF AR1	MW 12M -----
		4.09 CHECK ELECTRON TUBES	MW 12M -----
		4.10 CHECK CONTACTOR AND RELAYS	MW 12M -----
VOLTAGE REG,R&E CELLS			
169-630-301	(5/0)	4.02 CLEAN VENTILATING PASSAGES	MW 12M -----
		4.03 AUTOMATIC OPERATION	MW 12M -----
		4.04 CURRENT-LIMITING CIRCUIT	MW 12M -----
		4.05 MAGNETIC AMPLIFIER RANGE	MW 12M -----
		4.06 FLOAT AND CHARGE VOLTAGE	MW 12M -----
		4.08 GAIN AND ANTI-HUNT ADJUSTMENT	MW 12M -----
		4.09 HIGH AND LOW SETTING OF AR1 AND AR2	MW 12M -----
		4.10 CHECK CONTACTOR AND RELAYS	MW 12M -----

VOLTAGE REG,REG CELLS ONLY

169-630-302 (5/0)	4.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
	4.03	AUTOMATIC OPERATION	MW 12M	-----
	4.04	CURRENT-LIMITING CIRCUIT	MW 12M	-----
	4.05	MAGNETIC AMPLIFIER RANGE ADJUSTMENT	MW 12M	-----
	4.06	FLOAT AND CHARGE VOLTAGE	MW 12M	-----
	4.08	GAIN AND ANTI-HUNT ADJUSTMENT	MW 12M	-----
	4.09	SHUTDOWN FEATURE-CHG(F8) FUSE FAILURE	MW 12M	-----
	4.10	SHUTDOWN FEATURE-PLANT TR LEAD	MW 12M	-----
	4.11	CONTACTOR AND RELAYS	MW 12M	-----

TROUBLE TESTS

169-630-301 (5/0)	4.07	OL RELAY CIRCUIT CHECK	TT	-----
169-630-302 (5/0)	4.06	OL RELAY CIRCUIT CHECK	TT	-----
169-630-303 (5/1)	4.06	OL RELAY CIRCUIT CHECK	TT	-----

26.37 RECTIFIERS, J-CD; J86296

SELECT ONLY ONE CATEGORY

CURRENT REG,R&E CELLS

>	169-631-303 (5/0)	4.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.03	CHECK AUTOMATIC CONTROL CIRCUIT	MW 12M	-----
		4.04	MAXIMUM CURRENT LIMIT CHECK	MW 12M	-----
		4.06	RAISE AND LOWER RATE CHECK	MW 12M	-----
		4.07	HIGH AND LOW SETTINGS OF AR1 AMMETER RELAY	MW 12M	-----
		4.08	CHECK ELECTRON TUBE (V1)	MW 12M	-----
		4.09	CHECK CONTACTOR AND RELAYS	MW 12M	-----

VOLTAGE REG,R&E CELLS

>	169-631-301 (6/0)	4.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.03	CHECK CONTACTOR AND RELAYS	MW 12M	-----
		4.04	AUTOMATIC CONTROL CIRCUIT CHECK	MW 12M	-----
		4.05	CURRENT LIMIT CIRCUIT CHECK	MW 12M	-----
		4.06	MAGNETIC AMPLIFIER RANGE ADJUSTMENT	MW 12M	-----
		4.07	FLOAT AND CHARGE VOLTAGE ADJUSTMENT	MW 12M	-----
		4.08	OVERLOAD (OL) RELAY ADJUSTMENT	MW 12M	-----
		4.09	GAIN AND ANTI-HUNT ADJUSTMENT	MW 12M	-----
		4.10	HIGH AND LOW SETTINGS OF AR1 AND AR2 AMMETER RELAYS	MW 12M	-----

VOLTAGE REG,REG CELLS ONLY

>	169-631-302 (5/1)	4.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.03	CHECK AUTOMATIC CONTROL CIRCUIT	MW 12M	-----
		4.04	CURRENT LIMIT CIRCUIT CHECK	MW 12M	-----
		4.05	CHECK MAGNETIC AMPLIFIER RANGE ADJUSTMENT	MW 12M	-----
		4.06	FLOAT AND CHARGE VOLTAGE ADJUSTMENT	MW 12M	-----

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	169-631-302	(5/1)	4.08	GAIN AND ANTI-HUNT ADJUSTMENT	MW 12M	-----
	TROUBLE TESTS					
	169-631-302	(5/1)	4.07	OVERLOAD (OL) RELAY ADJUSTMENT	TT	-----
	169-631-303	(5/0)	4.05	OVERLOAD (OL) AND OLF RELAY ADJUSTMENT	TT	-----
	26.38 RECTIFIERS, J-CD; J86298A					
	FOR ALL UNITS					
	169-633-301	(3/0)	4.01	CHECK OUTPUT VOLTAGE	MW 3M	-----
			4.02	CHECK OUTPUT CURRENT	MW 3M	-----
			4.03	CHECK VENTILATING PASSAGE	MW 12M	-----
			4.04	CHECK ELECTROLYTIC CAPACITOR	MW 12M	-----
	26.39 RECTIFIERS, J-CD; J87200A					
	FOR ALL UNITS					
	169-635-301	(1/0)	4.01	CHECK OUTPUT VOLTAGE	MW 1M	-----
	TROUBLE TESTS					
	169-635-301	(1/0)	5.02	TROUBLE LOCATING CHART	TT	-----
			6.01	(6.01-6.04) POINT TO POINT VOLTAGE MEASUREMENTS	TT	-----
	26.40 RECTIFIERS, J-CD; J87201A1 & BL1					
	FOR ALL UNITS					
>	169-636-301	(3/0)	1.06	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	CHECK HIGH AND LOW ALARMS	MW 12M	-----
			4.02	CHECK MANUAL OPERATION	MW 12M	-----
			4.03	INSPECT RELAY CONTACT CONDITION AND ADJMT	MW 12M	-----
	TROUBLE TESTS					
	169-636-301	(3/0)	5.02	DEFECTIVE PRD CKT BOARD	TT	-----
			5.03	TROUBLE LOCATING CHART	TT	-----
	26.41 RECTIFIERS, J-CD; J87207A1 & BL1					
	FOR ALL UNITS					
	169-642-301	(3/0)	4.03	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.04	CHECK OUTPUT VOLTAGE	MW 1M	-----
	26.42 RECTIFIERS, J-CD; J87211A,B					
	FOR ALL UNITS					
	169-245-301	(4/0)	4.01	CHECK AC INPUT AND DC OUTPUT VOLTAGE	MW 3M	-----
	TROUBLE TESTS					
>	169-245-301	(4/0)	5.01	DEFECTIVE RECT STACK CR2	TT	-----
>			5.02	DEFECTIVE REGULATOR UNIT	TT	-----
>			5.04	NO DC OUTPUT	TT	-----
>			5.05	HV OUTPUT--CKT BRKR TRIPS	TT	-----
>			5.06	HV SHUTDOWN CKT INOPERATIVE	TT	-----
>			5.07	CKT LIMIT INOPERATIVE	TT	-----
>			5.08	RESTORATION AFTER RECT DEEP DISCHARGE	TT	-----

26.43 RECTIFIERS, J-CD; J87222 A,B,C,D

FOR ALL UNITS

169-648-301 (8/0)	4.01	CHECK CONDITION OF RELAY CONTACTS	MW 12M	-----
	4.02	CHECK OUTPUT VOLTAGE	MW 3M	-----
	4.03	CHECK J87277 REGULATOR UNIT	MW 3M	-----
	4.05	CURRENT LIMITING POTENTIOMETER CHECK	MW 12M	-----
	4.06	CHECK 70-TYPE FUSES	MW 3M	-----

26.44 RECTIFIERS, J-CD; J87223 A,B,C,D

FOR ALL UNITS

169-255-301 (8/0)	4.01	CHECK CONDITION OF RELAY CONTACTS	MW 12M	-----
	4.02	CHECK DC OUTPUT VOLTAGE	MW 3M	-----
	4.03	CHECK REGULATOR UNIT	MW 3M	-----
	4.05	CHECK CURRENT LIMITING POTENTIOMETER ADJUSTMENT	MW 12M	-----
	4.06	CHECK 70-TYPE FUSE	MW 3M	-----
>	4.07	CHECK RECTIFIER AMMETER ACCURACY	MW 6M	-----

TROUBLE TESTS

>	169-255-301 (8/0)	5.01	RFA ALARM INDICATION	TT	-----
>		5.02	(5.02-5.04) RECT FAILURE	TT	-----

26.45 RECTIFIERS, J-CD; J87224

FOR ALL UNITS

169-256-301 (4/0)	4.02	CHECK BATTERY FLOAT VOLTAGE	MW 3M	-----
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OPTIONAL FEATURES

WITH ZB OPTION

169-256-301 (4/0)	4.04	CHECK REGULATOR OPERATION (ZB OPTION)	MW 3M	-----
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TROUBLE TESTS

169-256-301 (4/0)	5.01	RFA LAMP INDICATION	TT	-----
	5.02	DEFECTIVE RECT STACK	TT	-----
	5.03	DEFECTIVE REGULATOR UNIT	TT	-----
	5.04	TROUBLE CHART	TT	-----

26.46 RECTIFIERS, J-CD; J87228A

FOR ALL UNITS

>	169-254-301 (4/0)	4.01	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.02	INSPECT AC INPUT CONTACTOR AND RELAYS CONTACT CONDITION & ADJMT	MW 12M	-----
		4.03	CHECK RECTIFIER OUTPUT	MW 3M	-----

TROUBLE TESTS

>	169-254-301 (4/0)	5.01	(5.01,5.02) DEFECTIVE RECT STACK (D1)	TT	-----
>		5.03	DEFECTIVE REGULATOR UNIT	TT	-----
>		5.04	TROUBLE CHART	TT	-----

26.47 RECTIFIERS, J-CD; J87229

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FOR ALL UNITS

169-257-301	(4/0)	4.01	INSPECT ADJ AND CONDITION OF RELAY CONTACTS	MW 12M	-----
		4.02	CHECK DC OUTPUT VOLTAGE	MW 3M	-----

TROUBLE TESTS

169-257-301	(4/0)	5.01	RFA RELAY OPERATION	TT	-----
		5.02	DEFECTIVE RECT STACK	TT	-----
		5.03	DEFECTIVE REGULATOR UNIT	TT	-----
		5.04	TROUBLE CHART	TT	-----

26.48 RECTIFIERS, J-CD; J87232A

FOR ALL UNITS

169-260-301	(2/0)	4.01	INSPECT CONDITION OF RELAY CONTACTS	MW 12M	-----
		4.02	CHECK DC OUTPUT	MW 3M	-----
		4.04	CHECK CURRENT LIMITING CIRCUIT	MW 6M	-----
		4.05	CHECK HIGH VOLTAGE SHUTDOWN	MW 12M	-----
		4.06	CHECK FUSE ALARM	MW 12M	-----

TROUBLE TESTS

169-260-301	(2/0)	5.01	(5.01, 5.03) DEFECTIVE RECT STACK	TT	-----
		5.02	(5.02-5.03) DEFECTIVE REGULATED RECTIFIER CONTROL CKT	TT	-----
		5.04	TROUBLE CHART	TT	-----

26.49 RECTIFIERS, J-CD; J87233A

FOR ALL UNITS

169-261-301	(1/1)	4.01	INSPECT CONDITION OF RELAY CONTACTS	MW 12M	-----
		4.02	CHECK DC OUTPUT	MW 3M	-----
		4.04	CHECK FUSE ALARM	MW 12M	-----

TROUBLE TESTS

169-261-301	(1/1)	5.01	DEFECTIVE RECT STACK	TT	-----
		5.02	DEFECTIVE REGULATOR UNIT	TT	-----
		5.03	TROUBLE CHART	TT	-----

26.50 RECTIFIERS, J-CD; J87249A,B

FOR ALL UNITS

169-649-301	(3/2)	4.01	CHECK DC OUTPUT VOLTAGE	MW 3M	-----
		4.02	CHECK OUTPUT CURRENT	MW 3M	-----
		4.03	(A) OUTPUT VOLTAGE ADJUSTMENT	MW 3M	-----
		4.03	(B) CHECK CURRENT (DROOP) LIMIT ADJUSTMENT	MW 3M	-----

TROUBLE TESTS

169-649-301	(3/2)	5.01	(5.01-5.04) TROUBLE LOCATING PROCEDURE	TT	-----
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26.51 RECTIFIERS, J-CD; J87275

FOR ALL UNITS

169-650-301	(2/0)	4.01	CHECK CONDITION OF RELAY CONTACTS	MW 12M	-----
		4.02	CHECK DC OUTPUT VOLTAGE	MW 3M	-----

	169-650-301 (2/0)	4.04	(1-4) CHECK OUTPUT VOLTAGE ADJUSTMENT	MW 1M	-----
		4.04	(11) CHECK LOW-VOLTAGE ADJUSTMENT	MW 12M	-----
		4.04	(12) CHECK CH AND CMD OR RFA LEAD	MW 12M	-----
		4.04	(5-10) CHECK HIGH-VOLTAGE SHUTDOWN ADJUSTMENT	MW 12M	-----
	26.52 RECTIFIERS, J-CD; J87320A				
	FOR ALL UNITS				
	169-263-301 (1/0)	4.01	(A) CHECK POSITIVE OUTPUT VOLTAGE	MW 3M	-----
		4.01	(B) CHECK NEGATIVE OUTPUT VOLTAGE	MW 3M	-----
		4.03	CHECK OFFICE ALARM CKT OPRN	MW 12M	-----
		4.04	CHECK RECTIFIER OUTPUT VOLTAGE RIPPLE	MW 3M	-----
		4.05	INSPECT CONDITION OF RELAY CONTACTS	MW 12M	-----
>	TROUBLE TESTS				
>	169-263-301 (1/0)	4.02	(A) POSITIVE CROWBAR CKT ADJ	TT	-----
>		4.02	(B) NEGATIVE CROWBAR CKT ADJ	TT	-----
		5.01	(5.01-5.05) TROUBLE TEST CHART	TT	-----
	26.53 RECTIFIERS, J-CD; J87346				
	FOR ALL UNITS				
	169-651-301 (1/0)	4.02	CHECK OUTPUT VOLTAGE	MW 3M	-----
	26.54 RECTIFIERS, J-CD; J87358				
	FOR ALL UNITS				
	169-652-301 (1/1)	4.01	(A) CHECK OUTPUT VOLTAGES	MW 3M	-----
		4.01	(B) CHECK OUTPUT CURRENTS	MW 3M	-----
	26.55 RECTIFIERS J-CD; J87434A				
	FOR ALL UNITS				
	169-267-301 (1/0)	4.01	CHECK OUTPUT VOLTAGE ADJMT	MW 3M	-----
	OPTIONAL FEATURES				
	WITH 'W' OPTION				
	169-267-301 (1/0)	4.02	CHECK VOLTAGE REGULATION	MW 3M	-----
	TROUBLE TESTS				
	169-267-301 (1/0)	5.01	(5.01-5.02) TROUBLE TEST CHART	TT	-----
>	26.56 RECTIFIER J-CD; J87435A				
	FOR ALL UNITS				
	169-267-305 (1/0)	4.01	CHECK OUTPUT VOLTAGE ADJMT	MW 3M	-----
	OPTIONAL FEATURES				
	WITH 'W' OPTION				
	169-267-305 (1/0)	4.02	CHECK VOLTAGE REGULATION	MW 3M	-----
	TROUBLE TESTS				
	169-267-305 (1/0)	5.01	(5.01-5.02) TROUBLE TEST CHART	TT	-----
>	26.57 RECTIFIER J-CD; J86281A				
	FOR ALL UNITS				

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	169-429-301	(3/0)	1.06	CLEAN VENTILATING PASSAGES & RECTIFIER CELLS	MW 12M	-----
			4.01	(A) CHECK SIGNAL LAMP	MW 6M	-----
			4.01	(B) CHECK PF RELAY CONTACTS AND OPERATION	MW 12M	-----
			4.01	(C) CHECK OUTPUT VOLTAGE	MW 3M	-----
	TROUBLE TESTS					
	169-429-301	(3/0)	5.02	DEFECTIVE SEMI-COND DIODES	TT	-----
			5.03	TROUBLE TEST CHART	TT	-----
>			6.01	(6.01-6.04) POINT TO POINT VOLTAGES	TT	-----
	26.58 RECTIFIER J-CD; J87242A					
	FOR ALL UNITS					
	169-431-301	(1/0)	4.01	CHECK DC OUTPUT VOLTAGE	MW 3M	-----
			4.02	CHECK CR1 THRU CR8 DIODES	MW 6M	-----
	TROUBLE TESTS					
>	169-431-301	(1/0)	4.03	STUD-MOUNTED DIODE RPLCMT	TT	-----
			5.01	TROUBLE TEST CHARTS	TT	-----
	26.59 RECTIFIER J-CD; J87243A					
	FOR ALL UNITS					
	169-432-301	(1/0)	4.01	CHECK DC OUTPUT VOLTAGE	MW 3M	-----
			4.02	CHECK CR1 THRU CR8 DIODES	MW 6M	-----
	TROUBLE TESTS					
>	169-432-301	(1/0)	4.03	STUD-MOUNTED DIODE RPLCMT	TT	-----
			5.01	TROUBLE TEST CHART	TT	-----
	26.60 RECTIFIER J-CD; J87244A					
	FOR ALL UNITS					
	169-433-301	(1/0)	4.01	CHECK DC OUTPUT VOLTAGE	MW 6M	-----
	TROUBLE TESTS					
>	169-433-301	(1/0)	4.02	(4.02-4.03) CHECK CR1 THRU CR8 DIODES	TT	-----
>			4.04	CHECK R1 THRU R4 BLEEDER RESISTORS	TT	-----
			5.01	TROUBLE TEST CHART	TT	-----
	26.61 RECTIFIER J-CD; J87328A					
	FOR ALL UNITS					
	169-469-301	(1/0)	4.02	CHECK OUTPUT FLOAT VOLTAGE	MW 12M	-----
			4.04	CHECK HV SHUTDOWN CKT ADJMT	MW 12M	-----
>	TROUBLE TESTS					
>	169-469-301	(1/0)	5.01	CHECK INPUT & OUTPUT FUSES	TT	-----
>			5.05	TROUBLE CHART	TT	-----
	26.62 RECTIFIER J-CD; J87329A					
	FOR ALL UNITS					
	169-470-301	(1/0)	4.02	CHECK OUTPUT FLOAT VOLTAGE	MW 12M	-----
			4.04	CHECK DC OUTPUT VOLTAGE AND HV SHUTDOWN CKT	MW 3M	-----

>	TRUBLE TESTS					
>	169-470-301 (1/0)	5.01	CHECK INPUT & OUTPUT FUSES	TT	-----	
>		5.05	TROUBLE CHART	TT	-----	
	26.63 RECTIFIER J-CD; J29361F-1					
	FOR ALL UNITS					
	169-471-301 (1/0)	4.02	CHECK OUTPUT FLOAT VOLTAGE	MW 12M	-----	
		4.03	CHECK OUTPUT VOLTAGE ADJMT	MW 3M	-----	
		4.04	CHECK CURRENT LIMITING ADJMT	MW 3M	-----	
		4.05	CHECK HV SHUTDOWN CKT ADJMT	MW 12M	-----	
	TRUBLE TESTS					
>	169-471-301 (1/0)	5.02	VISUAL INSPECTION	TT	-----	
>		5.03	MAIN FRAME TROUBLESHOOTING	TT	-----	
>		5.04	DEFECTIVE CKT PACK	TT	-----	
		5.05	INDICATOR LAMPS SIGNAL	TT	-----	
		5.06	TROUBLE LOCATING FLOWCHART	TT	-----	
		5.07	AC INPUT CHECK	TT	-----	
		6.01	(6.01-6.05) DEFECTIVE COMPONENT CHECK	TT	-----	
	26.64 RECTIFIERS J-CD; J87436A L1&L2					
	FOR ALL UNITS					
	169-652-305 (2/0)	4.02	CHECK OUTPUT VOLTAGE ADJMT	MW 6M	-----	
		4.03	CHECK VOLTAGE REGULATION	MW 6M	-----	
	TRUBLE TESTS					
>	169-652-305 (2/0)	5.02	TROUBLE LOCATING CHART	TT	-----	
	26.65 RECTIFIERS J-CD; J87437A L1&L2					
	FOR ALL UNITS					
	169-652-306 (2/0)	4.02	CHECK OUTPUT VOLTAGE ADJMT	MW 6M	-----	
		4.03	CHECK VOLTAGE REGULATION	MW 6M	-----	
	TRUBLE TESTS					
>	169-652-306 (2/0)	5.02	TROUBLE LOCATING CHART	TT	-----	
>	26.66 RECTIFIERS J-CD; J87438A L1-L3					
>	FOR ALL UNITS					
>	169-652-307 (3/0)	4.02	CHECK OUTPUT VOLTAGE ADJMT	MW 6M	-----	
>		4.03	CHECK VOLTAGE REGULATION	MW 6M	-----	
>	TRUBLE TESTS					
>	169-652-307 (3/0)	5.02	TROUBLE LOCATING CHART	TT	-----	
>	26.67 RECTIFIERS J-CD; J87439A L1, L2 & L4					
>	FOR ALL UNITS					
>	169-652-308 (3/0)	4.02	CHECK OUTPUT VOLTAGE ADJMT	MW 6M	-----	
>		4.03	CHECK VOLTAGE REGULATION	MW 6M	-----	
>	TRUBLE TESTS					

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>	169-652-308 (3/0)	5.02	TROUBLE LOCATING CHART	TT	-----
>	26.68 RECTIFIERS J-CD; J87447A				
>	FOR ALL UNITS				
>	169-625-324 (1/0)	4.01	CHECK OUTPUT VOLTAGE ADJMT	MW 3M	-----
>	TROUBLE TESTS				
>	169-625-324 (1/0)	5.02	TROUBLE TEST CHART	TT	-----
>	26.69 RECTIFIERS J-CD; J87448A				
>	FOR ALL UNITS				
>	169-652-326 (1/0)	4.01	CHECK OUTPUT VOLTAGE ADJMT	MW 3M	-----
>	TROUBLE TESTS				
>	169-652-326 (1/0)	5.02	TROUBLE TEST CHART	TT	-----