

EQUIPMENT TEST LIST
RECTIFIERS, KS-TYPE
POWER SYSTEMS EQUIPMENT

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NOTICE

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28.52 KS-19424 L1-L3	19		
28.53 KS-19412 L1	20	1. GENERAL	
28.54 KS-19700 L1	20	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.	
28.55 KS-19790 L11,L12	20	1.02 This ETL is reissued to incorporate changes in paragraphs 28.1 through 28.13, 28.15 through 28.18, 28.23 through 28.68, 28.76 and 28.77 and add paragraph 28.78. An arrow has been placed to the left of each line which has been changed.	
28.56 KS-19791 L11,L12	21	1.03 Comments on this section should be made by following the instructions in Bell System Practices (BSP), Section 000-010-015.	
28.57 KS-19792 L11,L12	21	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.	
28.58 KS-19793 L11,L12	22	1.05 Section 010-300-011 provides Equipment Test List instructions.	
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28.60 KS-20040 L11,L12	23		
28.61 KS-20489 L11,L12	23		
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28.66 KS-20493 L21,L22	27		

SECTION 169-001-012

28.0 RECTIFIERS, KS

28.1 RECTIFIERS, KS; KS-5651

SELECT ONLY ONE CATEGORY

RELAY TYPE CONTROL

169-660-302 (4/0)	4.07	CHECK OUTPUT VOLTAGE AND CURRENT	MW 1M	-----
	4.08	CHECK VACUUM TUBES	MW 12M	-----
	4.09	CHECK RELAY CONTACT CONDITION AND ADJMT	MW 12M	-----
>	4.10	CLEAN VENTILATING PASSAGES	MW 12M	-----
169-660-306 (2/0)	3.01	CHECK VACUUM TUBES	MW 12M	-----
	3.02	CHECK RELAYS	MW 12M	-----

ELECTRONIC TYPE CONTROL

169-660-301 (3/0)	4.09	CHECK VACUUM TUBES	MW 12M	-----
	4.10	CHECK RELAY CONTACT CONDITION AND ADJMT	MW 12M	-----
>	4.13	CLEAN VENTILATING PASSAGES	MW 12M	-----
	4.14	CHECK OUTPUT VOLTAGE	MW 1M	-----
169-660-311 (1/0)	3.01	CHECK VACUUM TUBES	MW 12M	-----
	3.02	CHECK RELAYS	MW 12M	-----

28.2 RECTIFIERS, KS; KS-5669

FOR ALL UNITS

169-661-301 (1/0)	-	CHECK OUTPUT VOLTAGE	MW 1M	-----
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> 28.3 RECTIFIERS, KS; KS-5928 L5 OR KS15620 L4

FOR ALL UNITS

>	169-662-301 (3/0)	1.04	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.01	(A) CHECK OUTPUT VOLTAGE	MW 3M	-----
		4.01	(B) CHECK VOLTAGE REFERENCE TUBES	MW 12M	-----

> 28.4 RECTIFIERS, KS; KS-15123 L2

FOR ALL UNITS

	169-680-301 (1/0)	3.02	CHECK STARTING TIME DELAY	MW 12M	-----
		3.03	CHECK OUTPUT VOLTAGE	MW 3M	-----
		3.04	CHECK LOAD REGULATION	MW 12M	-----

> 28.5 RECTIFIERS, KS; KS-15135

FOR ALL UNITS

	169-681-301 (1/0)	3.01	CHECK OUTPUT VOLTAGE	MW 3M	-----
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> 28.6 RECTIFIERS, KS; KS-15620 L1-L3, L6&L10

FOR ALL UNITS

>	169-682-301 (6/0)	1.04	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.01	(A) CHECK FOR NORMAL OUTPUT VOLTAGE	MW 1M	-----

> 28.7 RECTIFIERS, KS; KS-15620 L7-L9, L11-L17, L21-L23

FOR ALL UNITS

>	169-682-302 (4/0)	4.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
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	169-682-302	(4/0)	4.05	CHECK FOR NORMAL OUTPUT VOLTAGE	MW 1M	-----
			4.06	CHECK OUTPUT VOLTAGE UNDER TEST LOAD	MW 12M	-----
>	28.8 RECTIFIERS, KS; KS-15655					
	FOR ALL UNITS					
	169-683-301	(1/0)	-	CHECK OUTPUT VOLTAGE	MW 1M	-----
>			1.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
			3.01	CHECK ELECTRON TUBES	MW 12M	-----
>	28.9 RECTIFIERS, KS; KS-15661 L28					
	FOR ALL UNITS					
>	169-262-301	(5/0)	1.07	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	(A) CHECK DC OUTPUT	MW 3M	-----
	OPTIONAL FEATURES					
>	W/CHARGE FAILURE ALARM RELAY					
	169-262-301	(5/0)	3.06	KS-15661 RECTIFIERS EQUIPPED WITH KS-15661 CHARGE FAILURE ALARM RELAYS * (C) TEST CHARGE FAILURE ALARM	MW 12M	-----
	TROUBLE TESTS					
	169-262-301	(5/0)	5.01	NO RECTIFIER OUTPUT VOLTAGE	TT	-----
			5.04	DEFECTIVE SELENIUM RECTIFIER STACKS	TT	-----
			5.05	DEFECTIVE SILICON DIODES	TT	-----
			5.06	TROUBLE CHART	TT	-----
>	28.10 RECTIFIERS, KS; KS-15661 EXCEPT L28					
	FOR ALL UNITS					
>	169-262-301	(5/0)	1.07	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	(A) CHECK DC OUTPUT	MW 3M	-----
			4.01	(B) CHECK SELENIUM RECTIFYING ELEMENT FOR AGING	MW 12M	-----
	OPTIONAL FEATURES					
>	W/CHARGE FAILURE ALARM RELAY					
	169-262-301	(5/0)	3.06	(A&C) TEST CHARGE FAILURE ALARM	MW 12M	-----
	TROUBLE TESTS					
	169-262-301	(5/0)	5.01	NO RECTIFIER OUTPUT VOLTAGE	TT	-----
			5.04	DEFECTIVE SELENIUM RECTIFIER STACKS	TT	-----
			5.05	DEFECTIVE SILICON DIODES	TT	-----
			5.06	TROUBLE CHART	TT	-----
>	28.11 RECTIFIERS, KS; KS-15678					
	FOR ALL UNITS					
	169-265-301	(3/0)	4.02	CHECK OUTPUT VOLTAGE ADJUSTMENT	MW 3M	-----
			4.03	CHECK CHARGE FAILURE ALARM	MW 12M	-----
>			4.04	CLEAN VENTILATING PASSAGES	MW 12M	-----
	TROUBLE TESTS					
	169-265-301	(3/0)	5.02	DEFECTIVE SELENIUM RECTIFIER STACK	TT	-----

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	169-265-301 (3/0)	5.03	DEFECTIVE SILICON DIODES	TT	-----
		5.06	TROUBLE CHART	TT	-----
>	28.12 RECTIFIERS, KS; KS-15689 L1,L3				
	SELECT ONLY ONE CATEGORY				
	L1 RELAY TYPE CONTROL				
	169-685-306 (2/0)	3.02	CHECK OUTPUT VOLTAGE	MW 1M	-----
		4.02	CHECK ELECTRON TUBES	MW 12M	-----
		4.03	CHECK ADJMT & CONDITION OF RELAY CONTACTS	MW 12M	-----
>		4.04	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.05	CHECK VM VOLTMETER	MW 12M	-----
		4.09	CHECK VARISTOR SR13	MW 12M	-----
		4.10	SLOW RECTIFIER RESPONSE	MW 12M	-----
	L3 ELECTRONIC CONTROL				
	169-685-301 (4/0)	4.03	CHECK RECTIFIER OPERATION	MW 12M	-----
		4.04	CHECK CCH AND CCL POTENTIOMETER ADJUSTMENT	MW 12M	-----
		4.05	CHECK AR AMMETER RELAY AND CC TST METER	MW 12M	-----
		4.06	CHECK VM VOLTMETER ACCURACY	MW 12M	-----
>	28.13 RECTIFIERS, KS; KS-15737				
	FOR ALL UNITS				
	169-686-301 (2/0)	1.03	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.01	(B) CHECK OUTPUT VOLTAGE	MW 1M	-----
	TROUBLE TESTS				
	169-686-301 (2/0)	5.03	AGED RECT1 RECTIFIER STACK	TT	-----
		5.03	DEFECTIVE VIBR OR PWR OSC	TT	-----
		5.04	TROUBLE LOCATING CHART	TT	-----
		6.01	(6.01-6.04) POINT TO POINT VOLTAGE VALUES	TT	-----
>	28.14 RECTIFIERS, KS; KS-15885 L1-L4				
	FOR ALL UNITS				
>	169-687-301 (3/0)	3.03	CHECK OL RELAY OPERATION	MW 12M	-----
		4.01	CHECK CONTACTOR AND RELAYS CONTACT CONDITION AND ADJMT	MW 12M	-----
		4.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.03	VOLTMETER (OUTPUT VOLTS) ACCURACY	MW 12M	-----
		4.04	CHECK AMMETER RELAY (AR) ACCURACY	MW 12M	-----
		4.05	CHECK LAMP AND OUTPUT VOLTS METER INDICATIONS (702C PLANT)	MW 12M	-----
		4.06	CHECK RECTIFIER SHUTDOWN AND ALARMS	MW 12M	-----
	TROUBLE TESTS				
	169-687-301 (3/0)	5.02	RECTIFIER REMOVAL FROM SERVICE	TT	-----
		5.03	SELENIUM SEMI-COND RECT CELLS	TT	-----
		5.04	DEFECTIVE RECTIFIER STACK	TT	-----

	169-687-301	(3/0)	5.06	DEFECTIVE CONT POTENTIOMETER AND CKT BRKR	TT	-----
			5.07	LINE VOLTAGE REGULATOR (BOOSTER)	TT	-----
			5.08	TROUBLE CHART	TT	-----
>	28.15	RECTIFIERS, KS; KS-15894	L1,L2			
		FOR ALL UNITS				
	169-688-301	(4/0)	1.05	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	(A) CHECK OUTPUT VOLTAGES	MW 3M	-----
>	28.16	RECTIFIERS, KS; KS-15894	L3			
		FOR ALL UNITS				
	169-688-301	(4/0)	1.05	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	(B) CHECK OUTPUT VOLTAGES	MW 3M	-----
>	28.17	RECTIFIERS, KS; KS-15894	L4			
		FOR ALL UNITS				
	169-688-301	(4/0)	1.05	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	(C) CHECK OUTPUT VOLTAGES	MW 3M	-----
>	28.18	RECTIFIERS, KS; KS-15898	L1-L4			
		FOR ALL UNITS				
	169-689-301	(2/1)	1.08	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	(A) CHECK OUTPUT VOLTAGE	MW 3M	-----
			4.01	(B) CHECK LOAD CURRENT (AND AFTER ALL EQUIPMENT ADDITIONS)	MW 12M	-----
>	28.19	RECTIFIERS, KS; KS-15907	L1,L2			
		FOR ALL UNITS				
	169-692-301	(2/0)	1.06	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	CHECK OUTPUT VOLTAGE	MW 3M	-----
>	28.20	RECTIFIERS, KS; KS-15911	L2,L3			
		FOR ALL UNITS				
	169-696-301	(1/0)	1.04	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	(A) CHECK OUTPUT VOLTAGE	MW 3M	-----
			4.01	(B) CHECK VOLTAGE AND DROOP ADJUSTMENT	MW 12M	-----
>	28.21	RECTIFIERS, KS; KS-15999	L2			
		FOR ALL UNITS				
	169-703-301	(1/0)	1.06	CLEAN VENTILATING PASSAGES AND RECTIFYING ELEMENTS	MW 12M	-----
			4.01	(A) CHECK OUTPUT VOLTAGE	MW 3M	-----
			4.01	(B) CHECK OFFICE LOAD	MW 3M	-----
>	28.22	RECTIFIERS, KS; KS-19210	L1			
		FOR ALL UNITS				
	169-701-701	(1/1)	3.07	CLEAN, LUBRICATE, AND OPERATE ROTATING ARMS	MW 6M	-----
	169-704-301	(2/0)	4.02	INSPECT CONTACTOR AND RELAYS	MW 12M	-----
			4.05	CHECK VOLTAGE LIMITING CIRCUIT	MW 12M	-----

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169-704-301	(2/0)	4.06	CHECK MAXIMUM CURRENT LIMIT	MW 12M	-----
		4.07	CHECK FUSE ALARM	MW 12M	-----
		5.02	CHECK CONTROL CURRENT	MW 6M	-----
169-704-701	(1/1)	3.01	(B) INSPECT DC OUTPUT SWITCH	MW 6M	-----
		3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----
		3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----
		3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (WHERE INSPECTIONS SHOW NEED)	MW *	-----
		3.08	DISASSEMBLY OF DC OUTPUT SWITCH (WHEN INSPECTIONS SHOW NEED)	MW *	-----
		3.09	INSPECTING, ADJUSTING, AND LUBRICATING OF SWITCH (MUST FOLLOW DISASSEMBLY PROCEDURE)	MW *	-----
		3.11	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----

TROUBLE TESTS

169-704-311	(1/0)	4.01	(4.01-4.02) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01	(5.01-5.06) TROUBLE TESTS	TT	-----
		6.01	(6.01-6.05) COMPONENT CHECKING PROCEDURES	TT	-----

> 28.23 RECTIFIERS, KS; KS-19210 L2,L7

FOR ALL UNITS

169-704-701	(1/1)	3.01	(B) INSPECT DC OUTPUT SWITCH	MW 6M	-----
		3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----
		3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----
		3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (WHERE INSPECTIONS SHOW NEED)	MW *	-----
		3.07	CLEAN, LUBRICATE, AND OPERATE ROTATING ARMS	MW 6M	-----
		3.08	DISASSEMBLY OF DC OUTPUT SWITCH (WHEN INSPECTIONS SHOW NEED)	MW *	-----
		3.09	INSPECTING, ADJUSTING, AND LUBRICATING OF SWITCH (MUST FOLLOW DISASSEMBLY PROCEDURE)	MW *	-----
		3.11	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----

>	169-705-301	(2/0)	4.02	INSPECT CONTACTOR AND RELAYS	MW 12M	-----
			4.04	CHECK VOLTAGE-LIMITING CIRCUIT	MW 12M	-----
			4.05	CHECK CURRENT-LIMITING CIRCUIT	MW 12M	-----
			4.06	CHECK MINIMUM LOAD PLANT SIGNAL	MW 12M	-----
			4.07	CHECK MAXIMUM LOAD PLANT SIGNAL	MW 12M	-----
			5.02	CHECK CONTROL CURRENT	MW 6M	-----

TROUBLE TESTS

169-704-311	(1/0)	4.01	(4.01-4.02) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01	(5.01-5.06) TROUBLE TESTS	TT	-----
		6.01	(6.01-6.05) COMPONENT CHECKING PROCEDURES	TT	-----

> 28.24 RECTIFIERS, KS; KS-19210 L3

FOR ALL UNITS

169-704-701	(1/1)	3.01	(B) INSPECT DC OUTPUT SWITCH	MW 6M	-----
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	169-704-701	(1/1)	3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----
			3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----
			3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (WHERE INSPECTIONS SHOW NEED)	MW *	-----
			3.07	CLEAN, LUBRICATE, AND OPERATE ROTATING ARM	MW 6M	-----
			3.08	DISASSEMBLY OF DC OUTPUT SWITCH (WHEN INSPECTIONS SHOW NEED)	MW *	-----
			3.09	INSPECTING, ADJUSTING, AND LUBRICATING OF SWITCH (MUST FOLLOW DISASSEMBLY PROCEDURE)	MW *	-----
			3.11	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----
>	169-706-301	(2/0)	4.02	INSPECT CONTACTOR AND RELAYS	MW 12M	-----
			4.03	MAXIMUM CURRENT LIMIT CHECK	MW 12M	-----
			4.05	ALARMS AND INDICATING LAMPS	MW 12M	-----
			5.02	CHECK CONTROL CURRENT	MW 6M	-----
OPTIONAL FEATURES						
NOT USED AS G2						
	169-706-301	(2/0)	4.04	CHECK CONSTANT CURRENT HIGH AND LOW SETTINGS (NOTE: DO NOT PERFORM THIS TEST ON G2 UNIT)	MW 12M	-----
TROUBLE TESTS						
	169-704-311	(1/0)	4.01	(4.01-4.02) TROUBLE LOCATING PROCEDURES	TT	-----
			5.01	(5.01-5.06) TROUBLE TESTS	TT	-----
			6.01	(6.01-6.05) COMPONENT CHECKING PROCEDURES	TT	-----
>	28.25 RECTIFIERS, KS; KS-19210 L4,L9					
FOR ALL UNITS						
	169-704-701	(1/1)	3.01	(B) INSPECT DC OUTPUT SWITCH	MW 6M	-----
			3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----
			3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----
			3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (WHERE INSPECTIONS SHOW NEED)	MW *	-----
			3.07	CLEAN, LUBRICATE, AND OPERATE ROTATING ARM	MW 6M	-----
			3.08	DISASSEMBLY OF DC OUTPUT SWITCH (WHEN INSPECTIONS SHOW NEED)	MW *	-----
			3.09	INSPECTING, ADJUSTING, AND LUBRICATING OF SWITCH (MUST FOLLOW DISASSEMBLY PROCEDURE)	MW *	-----
			3.11	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----
>	169-707-301	(3/0)	4.02	INSPECT CONTACTOR AND RELAYS	MW 12M	-----
			4.04	CURRENT LIMIT CHECKS	MW 12M	-----
			4.05	PLANT LOAD SIGNAL CHECKS	MW 12M	-----
			4.06	ALARM AND INDICATING LAMPS	MW 12M	-----
TROUBLE TESTS						
	169-704-311	(1/0)	4.01	(4.01-4.02) TROUBLE LOCATING PROCEDURES	TT	-----
			5.01	(5.01-5.06) TROUBLE TESTS	TT	-----
			6.01	(6.01-6.05) COMPONENT CHECKING PROCEDURES	TT	-----
>	28.26 RECTIFIERS, KS; KS-19210 L11,L12					

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FOR ALL UNITS

>	169-704-312 (3/0)	4.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.03	CHECK CONTACTOR AND RELAYS	MW 12M	-----
		4.04	(4.04.1)CHECK OUTPUT VOLTAGE ADJUSTMENT	MW 12M	-----
		4.05	MAXIMUM-CURRENT LIMIT CHECK	MW 12M	-----
		4.06	PARTIAL-CURRENT LIMIT CHECK	MW 12M	-----
		4.07	MINIMUM LOAD PLANT SIGNAL CHECK	MW 12M	-----
		4.08	FUSE FAILURE ALARM CHECK	MW 12M	-----
		4.09	SHUTDOWN FEATURE-PLANT TR LEAD	MW 12M	-----
		4.10	CHECK HIGH VOLTAGE SHUTDOWN AND LOCKOUT FEATURE	MW 12M	-----
	169-704-701 (1/1)	3.01	(B) INSPECT DC OUTPUT SWITCH	MW 6M	-----
		3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----
		3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----
>		3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (OR WHERE INSPECTIONS SHOW NEED)	MW 6M	-----
		3.07	CLEAN, LUBRICATE, AND OPERATE ROTATING ARM	MW 6M	-----
		3.08	DISASSEMBLY OF DC OUTPUT SWITCH (WHEN INSPECTIONS SHOW NEED)	MW *	-----
		3.09	INSPECTING, ADJUSTING, AND LUBRICATING OF SWITCH (MUST FOLLOW DISASSEMBLY PROCEDURE)	MW *	-----
		3.11	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----

TROUBLE TESTS

	169-704-311 (1/0)	4.01	(4.01-4.02) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01	(5.01-5.06) TROUBLE TESTS	TT	-----
		6.01	(6.01-6.05) COMPONENT CHECKING PROCEDURES	TT	-----

> 28.27 RECTIFIERS, KS; KS-19210 L23,L24

FOR ALL UNITS

>	169-704-313 (1/1)	4.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.03	CHECK CONTACTOR & RELAYS	MW 12M	-----
		4.04	INSPECT DC OUTPUT (S1) SWITCH PER 169-704-701	MW 6M	-----
		4.05	ADJUST OUTPUT VOLTAGE	MW 12M	-----
		4.06	CHECK MAXIMUM CURRENT LIMIT	MW 12M	-----
		4.07	CHECK MINIMUM LOAD PLANT SIGNAL	MW 12M	-----
		4.08	CHECK HIGH VOLTAGE MONITOR	MW 12M	-----
		4.09	CHECK FUSE FAILURE ALARM	MW 12M	-----
		4.10	CHECK TR SHUTDOWN	MW 12M	-----
		4.11	CHECK TEST MODE START-UP	MW 12M	-----

TROUBLE TESTS

	169-704-311 (1/0)	4.01	(4.01-4.02) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01	(5.01-5.06) TROUBLE TESTS	TT	-----
		6.01	(6.01-6.05) COMPONENT CHECKING PROCEDURES	TT	-----

>	28.28 RECTIFIERS, KS; KS-19211 L1				
	FOR ALL UNITS				
>	169-708-301 (2/0)	4.02	INSPECT CONTACTOR AND RELAYS	MW 12M	-----
		4.03	CHECK VOLTAGE-LIMITING CIRCUIT	MW 12M	-----
		4.04	CURRENT-LIMITING CIRCUIT CHECK	MW 12M	-----
		5.02	CHECK CONTROL CURRENT	MW 6M	-----
	169-708-701 (1/0)	3.01	INSPECT DC OUTPUT SWITCH	MW 6M	-----
		3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----
		3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----
>		3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (OR WHEN INSPECTION SHOWS NEED.)	MW 6M	-----
		3.09	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----
>	28.29 RECTIFIERS, KS; KS-19211 L2,L7				
	FOR ALL UNITS				
	169-708-701 (1/0)	3.01	INSPECT DC OUTPUT SWITCH	MW 6M	-----
		3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----
		3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----
		3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (WHEN INSPECTION SHOWS NEED.)	MW *	-----
		3.09	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----
>	169-709-301 (3/0)	4.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.03	CONTACTOR AND RELAY CHECK	MW 12M	-----
		4.04	VOLTAGE-LIMITING CIRCUIT CHECK	MW 12M	-----
		4.05	CURRENT-LIMITING CIRCUIT CHECK	MW 12M	-----
		4.06	MINIMUM LOAD PLANT SIGNAL CHECK	MW 12M	-----
		4.07	MAXIMUM LOAD PLANT SIGNAL CHECK	MW 12M	-----
		5.02	CHECK CONTROL CURRENT	MW 6M	-----
>	28.30 RECTIFIERS, KS; KS-19211 L3				
	FOR ALL UNITS				
	169-708-701 (1/0)	3.01	INSPECT DC OUTPUT SWITCH	MW 6M	-----
		3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----
		3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----
		3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (WHEN INSPECTION SHOWS NEED.)	MW *	-----
		3.09	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----
>	169-710-301 (2/0)	4.02	INSPECT CONTACTOR AND RELAYS	MW 12M	-----
		4.03	CHECK CURRENT-LIMITING CIRCUIT	MW 12M	-----
		5.02	CHECK CONTROL CURRENT	MW 6M	-----
	OPTIONAL FEATURES				
	NOT USED AS G2				
	169-710-301 (2/0)	4.04	CHECK CONSTANT CURRENT HIGH AND LOW SETTINGS (NOTE: DO NOT PERFORM THIS TEST ON G2 UNIT)	MW 12M	-----

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> 28.31 RECTIFIERS, KS; KS-19211 L4,L9

FOR ALL UNITS

169-708-701	(1/0)	3.01	INSPECT DC OUTPUT SWITCH	MW 6M	-----	
		3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----	
		3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----	
		3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (WHEN INSPECTION SHOWS NEED.)	MW *	-----	
		3.09	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----	
>	169-711-301	(2/0)	4.01	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.02	INSPECT CONTACTOR AND RELAYS	MW 12M	-----
			4.04	CHECK ACCURACY OF OUTPUT (VM1) VOLTMETER	MW 12M	-----
			4.05	OUTPUT VOLTAGE CHECKS	MW 3M	-----
			4.06	CURRENT LIMITING CHECKS	MW 12M	-----
			4.07	LOAD SIGNALING CHECKS	MW 12M	-----
			5.02	CHECK CONTROL CURRENT	MW 6M	-----

> 28.32 RECTIFIERS, KS; KS-19211 L11,L12

FOR ALL UNITS

169-708-701	(1/0)	3.01	INSPECT DC OUTPUT SWITCH	MW 6M	-----	
		3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----	
		3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----	
		3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (WHEN INSPECTION SHOWS NEED.)	MW *	-----	
		3.09	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----	
>	169-711-312	(2/0)	4.01	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.02	INSPECT CONTACTOR AND RELAYS FOR CONDITION OF CONTACTS	MW 12M	-----
			4.04	CHECK ACCURACY OF METERS	MW 12M	-----
			4.05	CHECK OUTPUT VOLTAGE	MW 3M	-----
			4.06	CHECK MAXIMUM CURRENT LIMIT	MW 12M	-----
			4.07	CHECK PARTIAL LOAD SETTING	MW 12M	-----
			4.08	CHECK MINIMUM LOAD PLANT SIGNAL	MW 12M	-----
			5.02	CHECK CONTROL CURRENT	MW 6M	-----

> 28.33 RECTIFIERS, KS; KS-19212 L1,L2

FOR ALL UNITS

>	169-712-301	(4/0)	4.01	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.03	CHECK CALIBRATION OF VM VOLTMETER	MW 12M	-----
			4.04	VOLTAGE LIMITING CIRCUIT CHECK	MW 12M	-----
			4.05	CURRENT LIMITING CIRCUIT CHECK	MW 12M	-----
			4.06	RAISE AND LOWER RATE CHECK	MW 12M	-----
			4.07	AR1 AMMETER RELAY CHECK	MW 12M	-----
			4.08	FUSE ALARM CHECK	MW 12M	-----
			4.09	SCR CHECK	MW 12M	-----

169-712-701 (1/0)	3.02	INSPECT SW1 & SW2 SWITCHES	MW 6M	-----
	3.03	SW1 & SW2 TEMPERATURE RISE TEST	MW 6M	-----
	3.06	CLEAN & ADJUST SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.07	CLEAN & ADJUST SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.08	LUBRICATION OF SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.09	LUBRICATION OF SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
> 28.34 RECTIFIERS, KS; KS-19212 L3,L4				
FOR ALL UNITS				
169-712-701 (1/0)	3.02	INSPECT SW1 & SW2 SWITCHES	MW 6M	-----
	3.03	SW1 & SW2 TEMPERATURE RISE TEST	MW 6M	-----
	3.06	CLEAN & ADJUST SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.07	CLEAN & ADJUST SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.08	LUBRICATION OF SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.09	LUBRICATION OF SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
169-713-301 (3/0)	4.02	FLOAT AND CHARGE VOLTAGE ADJUSTMENTS	MW 12M	-----
	4.03	VOLTAGE RISE FOR CONSTANT CURRENT ADJUSTMENT	MW 12M	-----
	4.04	CURRENT-LIMITING CIRCUIT CHECKS	MW 12M	-----
	4.05	FUSE ALARM TESTS	MW 12M	-----
	4.06	AR1 AND AR2 AMMETER RELAY SETTINGS FOR PLANT SIGNALING	MW 12M	-----
	4.07	SCR CHECK	MW 12M	-----
> 28.35 RECTIFIERS, KS; KS-19212 L11,L12				
FOR ALL UNITS				
169-712-701 (1/0)	3.02	INSPECT SW1 & SW2 SWITCHES	MW 6M	-----
	3.03	SW1 & SW2 TEMPERATURE RISE TEST	MW 6M	-----
	3.06	CLEAN & ADJUST SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.07	CLEAN & ADJUST SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.08	LUBRICATION OF SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.09	LUBRICATION OF SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
169-713-312 (3/0)	4.02	CHECK FUSE	MW 6M	-----
	4.03	CHECK SCRS	MW 6M	-----
	4.04	CIRCUIT CHECKS	MW 12M	-----
> 28.36 RECTIFIERS, KS; KS-19213 L2				
FOR ALL UNITS				
169-715-301 (2/0)	4.02	INSPECT CONTACTOR AND RELAYS	MW 12M	-----

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>	169-715-301	(2/0)	4.04	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.05	CHECK VOLTMETER CALIBRATION	MW 6M	-----
			4.07	CHECK OUTPUT VOLTAGE	MW 6M	-----
			4.08	CHECK AMPLIFIER	MW 12M	-----
			4.09	CHECK HIGH CURRENT LIMIT	MW 12M	-----
			4.10	CHECK LOW CURRENT LIMIT	MW 12M	-----
			4.11	CHECK HIGH LOAD PLANT SIGNAL	MW 12M	-----
			4.12	CHECK MAX LOAD PLANT SIGNAL	MW 12M	-----
			4.13	CHECK LOW LOAD PLANT SIGNAL	MW 12M	-----
			4.14	CHECK MIN LOAD PLANT SIGNAL	MW 12M	-----
			4.15	CHECK OVERLOAD RELAY	MW 12M	-----
			4.16	CHECK FUSE ALARMS	MW 12M	-----
			4.17	CHECK PF ALARM LAMPS	MW W	-----
	169-715-701	(2/0)	3.02	EXERCISING CHG OR BAT DISC SWITCH	MW 6M	-----
			3.03	EXERCISING CS SWITCH	MW 6M	-----
>			3.05	MEASURE DC OUTPUT SWITCH VOLTAGE DROP	MW 6M	-----
>			3.06	MEASURE DC OUTPUT SWITCH TEMPERATURE RISE	MW 12M	-----
>			3.10	CLEAN, INSPECT & LUBRICATE DC OUTPUT (CHG OR BAT DISC) SW CONTACTS (OR MORE OFTEN IF INSPECTION SHOWS NEED)	MW 12M	-----
TROUBLE TESTS						
	169-718-311	(1/0)	4.01	(4.01-4.09) TROUBLE LOCATING PROCEDURES	TT	-----
			5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----
>	28.37 RECTIFIERS, KS; KS-19213 L3					
FOR ALL UNITS						
	169-715-701	(2/0)	3.02	EXERCISING CHG OR BAT DISC SWITCH	MW 6M	-----
			3.03	EXERCISING CS SWITCH	MW 6M	-----
>			3.05	MEASURE DC OUTPUT SWITCH VOLTAGE DROP	MW 6M	-----
>			3.06	MEASURE DC OUTPUT SWITCH TEMPERATURE RISE	MW 12M	-----
>			3.10	CLEAN, INSPECT & LUBRICATE DC OUTPUT (CHG OR BAT DISC) SW CONTACTS (OR MORE OFTEN IF INSPECTION SHOWS NEED)	MW 12M	-----
	169-716-301	(2/0)	4.02	INSPECT CONTACTOR AND RELAYS CONTACT CONDITION & ADJMT	MW 12M	-----
			4.04	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.05	CHECK VM OUTPUT VOLTAGE VOLTMETER	MW 6M	-----
			4.07	CHECK VOLTAGE LIMITING CKT	MW 12M	-----
			4.08	CHECK CURRENT LIMITING CKT	MW 12M	-----
			4.09	CHECK MAX LOAD PLANT SIGNAL	MW 12M	-----
			4.10	CHECK MIN LOAD PLANT SIGNAL	MW 12M	-----
			4.11	CHECK RAISE AND LOWER RATE	MW 12M	-----
			4.12	CHECK OVERLOAD RELAY	MW 12M	-----
			4.13	CHECK FUSE ALARMS	MW 12M	-----

	169-716-301 (2/0)	4.14	CHECK PF ALARM LAMP	MW 6M	-----
	TROUBLE TESTS				
	169-718-311 (1/0)	4.01	(4.01-4.09) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----
>	28.38 RECTIFIERS, KS; KS-19213 L5,L9				
	FOR ALL UNITS				
	169-715-701 (2/0)	3.02	EXERCISING CHG OR BAT DISC SWITCH	MW 6M	-----
		3.03	EXERCISING CS SWITCH	MW 6M	-----
>		3.05	MEASURE DC OUTPUT SWITCH VOLTAGE DROP	MW 6M	-----
>		3.06	MEASURE DC OUTPUT SWITCH TEMPERATURE RISE	MW 12M	-----
>		3.10	CLEAN, INSPECT & LUBRICATE DC OUTPUT (CHG OR BAT DISC) SW CONTACTS (OR MORE OFTEN IF INSPECTION SHOWS NEED)	MW *	-----
	169-717-301 (3/0)	4.02	INSPECT CONTACTOR & ADJUST RELAY	MW 12M	-----
>		4.03	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.05	FLOAT VOLTAGE CHECK	MW 6M	-----
		4.06	CHARGE VOLTAGE CHECK	MW 6M	-----
		4.07	PLANT SIGNALING CHECKS	MW 12M	-----
		4.08	CURRENT-LIMITING CIRCUIT CHECKS	MW 12M	-----
		4.09	OVERLOAD RELAY CHECK	MW 12M	-----
		4.10	AMPLIFIER CIRCUIT CHECKS	MW 12M	-----
		4.11	FUSE ALARM CHECK	MW 12M	-----
		4.12	POWER FAILURE ALARM CHECK	MW 6M	-----
	TROUBLE TESTS				
	169-718-311 (1/0)	4.01	(4.01-4.09) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----
>	28.39 RECTIFIERS, KS; KS-19213 L6,L7				
	FOR ALL UNITS				
	169-715-701 (2/0)	3.02	EXERCISING CHG OR BAT DISC SWITCH	MW 6M	-----
		3.03	EXERCISING CS SWITCH	MW 6M	-----
>		3.05	MEASURE DC OUTPUT SWITCH VOLTAGE DROP	MW 6M	-----
>		3.06	MEASURE DC OUTPUT SWITCH TEMPERATURE RISE	MW 12M	-----
>		3.10	CLEAN, INSPECT & LUBRICATE DC OUTPUT (CHG OR BAT DISC) SW CONTACTS (OR MORE OFTEN IF INSPECTION SHOWS NEED)	MW 12M	-----
	169-718-301 (2/0)	4.02	CHECK VOLTAGE-LIMITING CIRCUIT	MW 12M	-----
		4.03	CHECK CURRENT-LIMITING CIRCUIT	MW 12M	-----
		4.04	CHECK OVERLOAD RELAY	MW 12M	-----
		4.05	CHECK PLANT SIGNALING	MW 12M	-----
		4.06	CHECK RAISE AND LOWER RATES	MW 12M	-----
		4.07	CHECK FUSE ALARMS	MW 12M	-----
	TROUBLE TESTS				

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	169-718-311 (1/0)	4.01 (4.01-4.09) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01 (5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----
>	28.40 RECTIFIERS, KS; KS-19213 L11,L12			
	FOR ALL UNITS			
	169-715-701 (2/0)	3.02 EXERCISING CHG OR BAT DISC SWITCH	MW 6M	-----
		3.03 EXERCISING CS SWITCH	MW 6M	-----
>		3.05 MEASURE DC OUTPUT SWITCH VOLTAGE DROP	MW 6M	-----
>		3.06 MEASURE DC OUTPUT SWITCH TEMPERATURE RISE	MW 12M	-----
>		3.10 CLEAN, INSPECT & LUBRICATE DC OUTPUT (CHG OR BAT DISC) SW CONTACTS (OR MORE OFTEN IF INSPECTION SHOWS NEED)	MW 12M	-----
	169-718-312 (3/0)	4.01 INSPECT CONTACTOR & RELAYS	MW 12M	-----
>		4.03 CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.05 OVERLOAD RELAY CHECK	MW 12M	-----
		4.06 CURRENT LIMIT CIRCUIT CHECKS	MW 12M	-----
		4.07 FLOAT AND CHARGE VOLTAGE ADJUSTMENT	MW 12M	-----
		4.08 AUTOMATIC SHUTDOWN CHECKS	MW 12M	-----
	TROUBLE TESTS			
	169-718-311 (1/0)	4.01 (4.01-4.09) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01 (5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----
>	28.41 RECTIFIERS, KS; KS-19214 L2,L5			
	FOR ALL UNITS			
	169-720-301 (3/0)	4.02 INSPECT CONTACTOR & RELAYS	MW 12M	-----
		4.04 (1-16) CHECK REGULATOR CIRCUIT	MW 12M	-----
		4.04 (17-30) CHECK HIGH CURRENT LIMIT	MW 12M	-----
		4.04 (31-42) CHECK LOW CURRENT LIMIT	MW 12M	-----
		4.04 (43-83) CHECK OVERLOAD RELAY	MW 12M	-----
		4.04 (84-92) CHECK AMMETER ACCURACY	MW 12M	-----
		4.04 (93-104) CHECK FUSE ALARMS	MW 12M	-----
		5.02 CHECK SAT CURRENT	MW 1M	-----
	169-720-332 (1/0)	4.02 AR1 MIN RELAY ADJUSTMENT	MW 12M	-----
		4.03 AR1 FULL RELAY ADJUSTMENT	MW 12M	-----
		4.04 AR1 OL RELAY ADJUSTMENT	MW 12M	-----
		4.05 OL THERMAL RELAY ADJUSTMENT	MW 12M	-----
		4.06 AR2 LOW RELAY ADJUSTMENT	MW 12M	-----
		4.07 AR2 HIGH RELAY ADJUSTMENT	MW 12M	-----
		4.08 RECTIFIER CHECKOUT	MW 12M	-----
	169-720-701 (1/0)	3.01 TEST S1 SWITCH	MW 6M	-----
		3.02 CLEAN AND LUBRICATE S1 CONTACTS	MW 6M	-----
		3.03 CLEAN CENTER ARM CONNECTION	MW 12M	-----
		3.04 CLEAN CENTER ARM CONNECTION	MW 12M	-----

169-720-701	(1/0)	3.08	PREVENTIVE MAINTENANCE	MW 6M	-----
		4.01	INSPECT S2 SWITCH	MW 6M	-----
		4.02	S2 SWITCH ELECTRICAL AND THERMAL TEST	MW 6M	-----
		4.03	S2 SWITCH AND FUSE ASSEMBLY CLEANING AND INSPECT	MW 6M	-----
TROUBLE TESTS					
169-721-311	(1/0)	4.01	(4.01-4.11) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----
> 28.42 RECTIFIERS, KS; KS-19214 L3,L6					
FOR ALL UNITS					
169-720-332	(1/0)	4.02	AR1 MIN RELAY ADJUSTMENT	MW 12M	-----
		4.03	AR1 FULL RELAY ADJUSTMENT	MW 12M	-----
		4.04	AR1 OL RELAY ADJUSTMENT	MW 12M	-----
		4.05	OL THERMAL RELAY ADJUSTMENT	MW 12M	-----
		4.06	AR2 LOW RELAY ADJUSTMENT	MW 12M	-----
		4.07	AR2 HIGH RELAY ADJUSTMENT	MW 12M	-----
		4.08	RECTIFIER CHECKOUT	MW 12M	-----
169-720-701	(1/0)	3.01	TEST S1 SWITCH	MW 6M	-----
		3.02	CLEAN AND LUBRICATE S1 CONTACTS	MW 6M	-----
		3.03	(3.03-3.04) CLEAN CENTER ARM CONNECTION	MW 12M	-----
		3.08	PREVENTIVE MAINTENANCE	MW 6M	-----
		4.01	INSPECT S2 SWITCH	MW 6M	-----
		4.02	S2 SWITCH ELECTRICAL AND THERMAL TEST	MW 6M	-----
		4.03	S2 SWITCH AND FUSE ASSEMBLY CLEANING AND INSPECT	MW 6M	-----
169-721-301	(2/0)	3.03	CHECK OUTPUT CURRENT	MW 12M	-----
		4.02	INSPECT CONTACTOR & RELAYS	MW 12M	-----
		4.04	(1-16) CHECK VOLTAGE-LIMITING CIRCUIT	MW 12M	-----
		4.04	(17-28) CHECK CURRENT-LIMITING CIRCUIT	MW 12M	-----
		4.04	(29-52) CHECK OVERLOAD RELAY	MW 12M	-----
		4.05	CHECK FUSE ALARMS	MW 12M	-----
		4.06	CHECK RAISE AND LOWER RATE	MW 12M	-----
TROUBLE TESTS					
169-721-311	(1/0)	4.01	(4.01-4.11) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----
> 28.43 RECTIFIERS, KS; KS-19214 L11,L12					
FOR ALL UNITS					
169-720-332	(1/0)	4.02	AR1 MIN RELAY ADJUSTMENT	MW 12M	-----
		4.03	AR1 FULL RELAY ADJUSTMENT	MW 12M	-----
		4.04	AR1 OL RELAY ADJUSTMENT	MW 12M	-----
		4.05	OL THERMAL RELAY ADJUSTMENT	MW 12M	-----

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169-720-332	(1/0)	4.06	AR2 LOW RELAY ADJUSTMENT	MW	12M	-----
		4.07	AR2 HIGH RELAY ADJUSTMENT	MW	12M	-----
		4.08	RECTIFIER CHECKOUT	MW	12M	-----
169-720-701	(1/0)	3.01	TEST S1 SWITCH	MW	6M	-----
		3.02	CLEAN AND LUBRICATE S1 CONTACTS	MW	6M	-----
		3.03	(3.03-3.04) CLEAN CENTER ARM CONNECTION	MW	12M	-----
		3.08	PREVENTIVE MAINTENANCE	MW	6M	-----
		4.01	INSPECT S2 SWITCH	MW	6M	-----
		4.02	S2 SWITCH ELECTRICAL AND THERMAL TEST	MW	6M	-----
		4.03	S2 SWITCH AND FUSE ASSEMBLY CLEANING AND INSPECT	MW	6M	-----
169-721-312	(3/0)	4.04	(1-16) CHECK MAXIMUM CURRENT LIMIT CIRCUIT	MW	12M	-----
		4.04	(17-27) CHECK LOW CURRENT LIMIT	MW	12M	-----
		4.04	(28-31) CHECK TR LEAD SHUTDOWN	MW	12M	-----
		4.04	(32-47) CHECK HV LEAD SHUTDOWN	MW	12M	-----
		4.04	(48-58) CHECK OVERLOAD RELAY	MW	12M	-----
		5.02	CHECK SAT CURRENT	MW	1M	-----

TROUBLE TESTS

169-721-311	((1/0)	4.01	(4.01-4.11) TROUBLE LOCATING PROCEDURES	TT		-----
		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT		-----

> 28.44 RECTIFIERS, KS; KS-19215 L1,L2

FOR ALL UNITS

169-712-701	(1/0)	3.02	INSPECT SW1 & SW2 SWITCHES	MW	6M	-----
		3.03	SW1 & SW2 TEMPERATURE RISE TEST	MW	6M	-----
		3.06	CLEAN & ADJUST SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW	*	-----
		3.07	CLEAN & ADJUST SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW	*	-----
		3.08	LUBRICATION OF SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW	*	-----
		3.09	LUBRICATION OF SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW	*	-----
169-722-301	(4/0)	4.01	CLEAN INTERIOR OF RECTIFIER (# TO BE DETERMINED BY LOCAL CONDITIONS)	MW	*	-----
		4.02	CHECK VOLTAGE-LIMITING CIRCUIT	MW	12M	-----
		4.03	CHECK CURRENT-LIMITING CIRCUIT	MW	12M	-----
		4.04	CHECK FUSE ALARMS	MW	12M	-----
		4.05	CHECK SCRS	MW	12M	-----
		4.06	CHECK RAISE AND LOWER RATE	MW	12M	-----

TROUBLE TESTS

169-723-311	(1/0)	4.01	(4.01-4.11) TROUBLE LOCATING PROCEDURES	TT		-----
		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT		-----

> 28.45 RECTIFIERS, KS; KS-19215 L3,L4

FOR ALL UNITS

169-712-701 (1/0)	3.02	INSPECT SW1 & SW2 SWITCHES	MW 6M	-----
	3.03	SW1 & SW2 TEMPERATURE RISE TEST	MW 6M	-----
	3.06	CLEAN & ADJUST SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.07	CLEAN & ADJUST SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.08	LUBRICATION OF SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.09	LUBRICATION OF SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
169-723-301 (4/2)	4.02	CHECK HIGH AND LOW CURRENT-LIMITING	MW 12M	-----
	4.03	VOLTAGE RISE FOR CONSTANT CURRENT CHECK	MW 12M	-----
	4.04	CHECK FUSE ALARM	MW 12M	-----
	4.05	CHECK SCRS	MW 12M	-----

TROUBLE TESTS

169-723-311 (1/0)	4.01	(4.01-4.11) TROUBLE LOCATING PROCEDURES	TT	-----
	5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----

> 28.46 RECTIFIERS, KS; KS-19215 L1,L12

FOR ALL UNITS

169-712-701 (1/0)	3.02	INSPECT SW1 & SW2 SWITCHES	MW 6M	-----
	3.03	SW1 & SW2 TEMPERATURE RISE TEST	MW 6M	-----
	3.06	CLEAN & ADJUST SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.07	CLEAN & ADJUST SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.08	LUBRICATION OF SW2 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.09	LUBRICATION OF SW1 SWITCH (# WHEN INSPECTION SHOWS NEED)	MW *	-----
169-723-312 (3/1)	4.03	CHECK CIRCUIT OPERATION	MW 12M	-----
	4.04	CHECK AUTOMATIC SHUTDOWN AND ALARMS	MW 12M	-----
	4.05	CHECK SCRS	MW 12M	-----

TROUBLE TESTS

169-723-311 (1/0)	4.01	(4.01-4.11) TROUBLE LOCATING PROCEDURES	TT	-----
	5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----

> 28.47 RECTIFIERS, KS; KS-19216 L1,L2

FOR ALL UNITS

169-724-301 (3/0)	4.04	CHECK VOLTAGE-LIMITING CIRCUIT	MW 12M	-----
	4.05	CHECK CURRENT-LIMITING CIRCUIT	MW 12M	-----
	5.02	CHECK CONTROL CURRENT	MW 12M	-----
169-724-701 (2/0)	3.01	(B) INSPECT S6 SWITCH	MW 6M	-----
	3.02	S6 SWITCH ELECTRICAL TESTS	MW 6M	-----
	3.03	S6 SWITCH TEMPERATURE RISE TESTS	MW 6M	-----

SECTION 169-001-012

169-724-701	(2/0)	3.05	CLEANING AND LUBRICATION OF S6 SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----	
		3.07	DISASSEMBLY OF THE S6 SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----	
		3.08	INSPECT, ADJUST, AND LUBRICATE DC OUTPUT SWITCH (MUST FOLLOW DISASSEMBLY PROCEDURE)	MW *	-----	
		3.10	PREVENTIVE MAINTENANCE OF S6 SWITCH	MW 6M	-----	
TROUBLE TESTS						
169-724-311	(1/0)	4.01	(4.01-4.11) TROUBLESHOOTING PROCEDURES	TT	-----	
		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----	
>	28.48 RECTIFIERS, KS; KS-19231 L1,L2					
FOR ALL UNITS						
169-271-301	(2/0)	4.01	CHECK OUTPUT VOLTAGE AND CURRENT	MW 3M	-----	
		4.04	CHECK VENTILATING PASSAGES AND SEMICONDUCTOR HEAT SINKS	MW 3M	-----	
TROUBLE TESTS						
169-271-301	(2/0)	5.01	(5.01-5.03) TROUBLE TEST CHART	TT	-----	
>	28.49 RECTIFIERS, KS; KS-19356 L1,L2					
FOR ALL UNITS						
>	169-726-301	(2/0)	4.02	INSPECT CONTACTOR AND RELAYS	MW 12M	-----
			4.03	CHECK VOLTAGE-LIMITING CIRCUIT	MW 12M	-----
			4.04	CHECK CURRENT-LIMITING CIRCUIT	MW 12M	-----
			4.05	PLANT SIGNALING CHECKS	MW 12M	-----
			4.06	RAISE AND LOWER RATE CHECK	MW 12M	-----
			4.07	FUSE ALARM CHECK	MW 12M	-----
			5.02	CHECK CONTROL CURRENT	MW 12M	-----
	169-726-701	(1/0)	3.01	(B) INSPECT DC OUTPUT SWITCH	MW 6M	-----
			3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----
			3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----
			3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----
			3.08	DISASSEMBLY OF THE DC OUTPUT SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----
			3.09	INSPECT, ADJUST, AND LUBRICATE DC OUTPUT SWITCH (MUST FOLLOW DISASSEMBLY PROCEDURE)	MW *	-----
			3.11	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----
TROUBLE TESTS						
169-727-311	(1/0)	4.01	(4.01-4.08) TROUBLE LOCATING PROCEDURES	TT	-----	
		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----	
>	28.50 RECTIFIERS, KS; KS-19356 L3,L4					
FOR ALL UNITS						
169-726-701	(1/0)	3.01	(B) INSPECT DC OUTPUT SWITCH	MW 6M	-----	
		3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----	
		3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----	

169-726-701	(1/0)	3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----
		3.08	DISASSEMBLY OF THE DC OUTPUT SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----
		3.09	INSPECT, ADJUST, AND LUBRICATE DC OUTPUT SWITCH (MUST FOLLOW DISASSEMBLY PROCEDURE)	MW *	-----
		3.11	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----
169-727-301	(1/1)	3.05	CHECK FUSE ALARMS	MW 12M	-----
		4.03	CHECK CURRENT-LIMITING CIRCUIT * (A,B) CHECK MAXIMUM CURRENT LIMIT	MW 12M	-----
		4.03	CHECK CURRENT-LIMITING CIRCUIT * (A,C) CHECK HIGH CURRENT LIMIT	MW 12M	-----
		4.03	CHECK CURRENT-LIMITING CIRCUIT * (A,D) CHECK LOW CURRENT LIMIT	MW 12M	-----
		5.02	CHECK CONTROL CURRENT	MW 12M	-----
TROUBLE TESTS					
169-727-311	(1/0)	4.01	(4.01-4.08) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----
> 28.51 RECTIFIERS, KS; KS-19356 L11,L12					
FOR ALL UNITS					
169-726-701	(1/0)	3.01	(B) INSPECT DC OUTPUT SWITCH	MW 6M	-----
		3.03	DC OUTPUT SWITCH ELECTRICAL TESTS	MW 6M	-----
		3.04	DC OUTPUT SWITCH TEMPERATURE RISE TESTS	MW 6M	-----
		3.06	CLEANING AND LUBRICATION OF DC OUTPUT SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----
		3.08	DISASSEMBLY OF THE DC OUTPUT SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----
		3.09	INSPECT, ADJUST, AND LUBRICATE DC OUTPUT SWITCH (MUST FOLLOW DISASSEMBLY PROCEDURE)	MW *	-----
		3.11	PREVENTIVE MAINTENANCE OF DC OUTPUT SWITCH	MW 6M	-----
169-727-311	(1/0)	4.04	TIGHTEN MAIN LOAD CARRYING BOLTS	MW 12M	-----
169-727-312	(3/0)	4.05	CHECK FLOAT AND CHARGE VOLTAGE ADJUSTMENT	MW 12M	-----
		4.06	CHECK MAXIMUM CURRENT LIMIT ADJUSTMENT	MW 12M	-----
		4.07	CHECK LOW CURRENT LIMIT ADJUSTMENT	MW 12M	-----
		4.08	CHECK MINIMUM LOAD SIGNAL ADJUSTMENT	MW 12M	-----
		4.09	CHECK ALARM CIRCUIT	MW 12M	-----
		4.10	CHECK PLANT SIGNALS	MW 12M	-----
		5.02	CHECK CONTROL CURRENT	MW 12M	-----
TROUBLE TESTS					
169-727-311	(1/0)	4.01	(4.01-4.08) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----
> 28.52 RECTIFIERS, KS; KS-19424 L1-L3					
FOR ALL UNITS					
169-728-301	(3/0)	4.02	INSPECT CONTACTOR AND RELAY CONTACTS ADJMT AND CONDITION	MW 12M	-----

SECTION 169-001-012

	169-728-301	(3/0)	4.03	CHECK OUTPUT CURRENT (AM1) AND TEST CURRENT (AM2) AMMETERS	MW 12M	-----
			4.04	(A) CHECK CONTROLS	MW 12M	-----
			4.04	(B-D) CHECK FLOAT VOLTAGE ADJUSTMENT	MW 12M	-----
			4.04	(E-G) CHECK OVERCHARGE VOLTAGE ADJUSTMENT	MW 12M	-----
			4.05	CHECK HIGH CURRENT SHUTDOWN	MW 12M	-----
			4.06	CHECK MAXIMUM (DROOP) CURRENT	MW 12M	-----
			4.07	CHECK LOW CURRENT PLANT SIGNAL	MW 12M	-----
			4.08	CHECK RECTIFIER SHUTDOWN (PLANT SIGNAL)	MW 12M	-----
>	28.53	RECTIFIERS, KS; KS-19412	L1			
		FOR ALL UNITS				
	169-729-301	(2/0)	4.02	CHECK OUTPUT VOLTAGE (NO LOAD)	MW 3M	-----
>	28.54	RECTIFIERS, KS; KS-19700	L1			
		FOR ALL UNITS				
	169-732-301	(1/0)	4.01	CHECK OUTPUT VOLTMETER	MW 12M	-----
			4.02	(1-10) CHECK ANTI-HUNT ADJUSTMENT	MW 12M	-----
			4.02	(11-16) CHECK HIGH CURRENT ALARM AND SHUTDOWN ADJUSTMENT	MW 12M	-----
			4.02	(17-18) CHECK LOW CURRENT ALARM	MW 12M	-----
			4.02	(19-24) CHECK MAXIMUM CURRENT ADJUSTMENT	MW 12M	-----
			4.02	(25-30) CHECK OUTPUT RIPPLE VOLTAGE	MW 12M	-----
			4.03	CHECK FUSE ALARMS	MW 12M	-----
>	28.55	RECTIFIERS, KS; KS-19790	L11,L12			
		FOR ALL UNITS				
	169-730-301	(3/0)	4.03	CLEAN, TEST, AND ADJUST AC TAP (S2) AND DC OUTPUT (S3) SWITCHES PER 169-730-701	MW 6M	-----
			4.05	CHECK OUTPUT VOLTAGE ADJUSTMENT	MW 12M	-----
			4.07	CHECK CURRENT LIMIT FULL LOAD ADJUSTMENT	MW 12M	-----
			4.08	CHECK CURRENT LIMIT PARTICAL LOAD ADJUSTMENT	MW 12M	-----
>			4.10	SHUTDOWN BY BLOWN DC OUTPUT ALM OR OUTPUT CAP (F1 ALM AND F2 ALM) FUSES	MW 12M	-----
>			4.11	CHECK SHUTDOWN BY TRIPPED CKT BRKR	MW 12M	-----
>			4.12	CHECK SHUTDOWN BY HIGH VOLTAGE CONDITION	MW 12M	-----
>			4.13	CHECK SHUTDOWN TR GROUND SIGNAL FROM PLANT	MW 12M	-----
>			4.14	CHECK SHUTDOWN BY CIRCUIT PACK MALFUNCTION	MW 12M	-----
>			4.15	CHECK SHUTDOWN BY THYRISTOR FAILURE DETECTOR CKT	MW 12M	-----
>			4.16	ANTI-HUNT 1 NETWORK ADJMT (AS A LAST RESORT)	MW *	-----
>			4.17	ANTI-HUNT 2 NETWORK ADJMT (AS REQUIRED)	MW *	-----
		TROUBLE TESTS				
>	169-730-301	(3/0)	5.03	TROUBLE CONDITION CHART	TT	-----
	169-730-311	(1/0)	4.01	(4.01-4.09) TROUBLE LOCATING PROCEDURES	TT	-----
			5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----

> 28.56 RECTIFIERS, KS; KS-19791 L11,L12

FOR ALL UNITS

169-730-302 (3/0)	4.01	CLEAN VENTILATING PASSAGES	MW 12M	-----
	4.03	CHECK OUTPUT VOLTAGE ADJUSTMENT	MW 12M	-----
	4.04	CHECK FULL LOAD CURRENT LIMIT ADJUSTMENT	MW 12M	-----
	4.05	CHECK PARTIAL LOAD CURRENT LIMIT ADJUSTMENT	MW 12M	-----
	4.07	CHECK SHUTDOWN FEATURE-DC OUTPUT (S2) SWITCH INTERLOCK	MW 12M	-----
	4.08	CHECK SHUTDOWN FEATURE-CIRCUIT BREAKER CB1 (AND CB2 IF PROVIDED)	MW 12M	-----
	4.09	CHECK SHUTDOWN FEATURE-CIRCUIT PACK PLUG-IN CONNECTIONS	MW 12M	-----
	4.10	CHECK SHUTDOWN FEATURE-DC OUTPUT FUSES F1 AND F2 OUTPUT CAPACITOR FUSES F3 F4	MW 12M	-----
	4.11	CHECK SHUTDOWN FEATURE-RELAY POWER FUSES F5, F7, AND F8	MW 12M	-----
	4.12	CHECK SHUTDOWN FEATURE-PLANT TR LEAD	MW 12M	-----
	4.13	CHECK SHUTDOWN FEATURE-PLANT HV LEAD	MW 12M	-----
	4.14	CHECK ALARM FEATURE-RFA LEAD	MW 12M	-----
	4.15	CHECK ALARM FEATURE- CA-CB LEADS	MW 12M	-----
169-730-702 (2/0)	3.01	INSPECT S2 SWITCH	MW 6M	-----
	3.02	S2 SWITCH ELECTRICAL TEST	MW 6M	-----
	3.03	S2 SWITCH TEMPERATURE RISE TEST	MW 6M	-----
	3.06	CLEAN S2 SWITCH	MW 6M	-----
	3.07	LUBRICATE S2 SWITCH	MW 6M	-----

TROUBLE TESTS

169-730-312 (1/0)	4.01	(4.01-4.09) TROUBLESHOOTING PROCEDURES	TT	-----
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> 28.57 RECTIFIERS, KS; KS-19792 L11,L12

FOR ALL UNITS

169-731-301 (2/2)	4.02	INSPECT CONTACTOR AND RELAYS	MW 12M	-----
	4.04	CLEAN VENTILATING PASSAGES	MW 3M	-----
	4.08	CHECK OUTPUT VOLTAGE ADJUSTMENT	MW 3M	-----
	4.09	CHECK FULL LOAD CURRENT LIMIT ADJUSTMENT	MW 12M	-----
	4.10	CHECK PARTIAL LOAD CURRENT LIMIT ADJUSTMENT	MW 12M	-----
	4.11	CHECK SHUTDOWN FEATURE-DC OUTPUT (S1) SWITCH INTERLOCK	MW 12M	-----
	4.12	CHECK SHUTDOWN FEATURE-CIRCUIT BREAKERS (CB601, CB602, AND CB603)	MW 12M	-----
	4.13	CHECK SHUTDOWN FEATURE-CIRCUIT BREAKERS (CB604)	MW 12M	-----
	4.14	CHECK SHUTDOWN FEATURE-OVERLOAD CHECK	MW 12M	-----
	4.15	CHECK SHUTDOWN FEATURE-DC OUTPUT ALARM (F1A) FUSE	MW 12M	-----
	4.16	CHECK SHUTDOWN FEATURE-PLANT TR LEAD	MW 12M	-----
	4.17	CHECK SHUTDOWN FEATURE-PLANT HV LEAD	MW 12M	-----

SECTION 169-001-012

169-731-701 (2/0)	3.01	TEST S1 SWITCH	MW 12M	-----
	3.02	CLEAN AND LUBRICATE S1 SWITCH * (A) CLEAN S1 SWITCH (ALTERNATE (A) WITH (B) OR (C) EVERY 6 MONTHS)	MW 6M	-----
	3.02	CLEAN AND LUBRICATE S1 SWITCH * (B) CLEAN COPPER S1 SWITCH (ALTERNATE (A) WITH (B) OR (C) EVERY 6 MONTHS)	MW 6M	-----
	3.02	CLEAN AND LUBRICATE S1 SWITCH * (C) CLEAN SILVER PLATED S1 SWITCH (ALTERNATE (A) WITH (B) OR (C) EVERY 6 MONTHS)	MW 6M	-----
	3.03	ADJUST S1 SWITCH * (A) ALIGN S1 SWITCH	MW 24M	-----
	3.03	ADJUST S1 SWITCH * (B) CHECK S1 SWITCH CONTACT CHECK	MW 24M	-----
	3.03	ADJUST S1 SWITCH * (C) ADJUST S1 SWITCH CLIP	MW 24M	-----
	3.03	ADJUST S1 SWITCH * (D) CHECK S1 SWITCH CONTACT PRESSURE	MW 24M	-----
	4.01	CLEAN S2 SWITCH	MW 6M	-----
	4.02	CHECK S2 SWITCH	MW 6M	-----

TROUBLE TESTS

169-731-311 (2/0)	4.01	(4.01-4.10) TROUBLE LOCATING PROCEDURES	TT	-----
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> 28.58 RECTIFIERS, KS; KS-19793 L11,L12

FOR ALL UNITS

169-731-302 (3/0)	4.02	INSPECT CONTACTOR AND RELAY CONTACTS ADJMT AND CONDITION	MW 12M	-----
	4.04	CKT CHECKS AND ADJMT	MW 12M	-----
	4.05	CHECK TEST MODE OUTPUT VOLTAGE	MW 12M	-----
	4.06	FULL-LOAD CURRENT-LIMIT CHECK AND SETTING	MW 12M	-----
	4.07	CIRCUIT CHECKS * (E) PARTIAL-LOAD CURRENT-LIMIT CHECK AND SETTING	MW 12M	-----
	4.08	HV SHUTDOWN AND LOCKOUT CHECK	MW 12M	-----
	4.09	TR SHUTDOWN CHECK	MW 12M	-----
	4.10	AC INPUT FUSE MONITOR CIRCUIT CHECK	MW 12M	-----
	4.11	FUSE ALARM CIRCUIT CHECK	MW 12M	-----
	4.12	PRINTED CIRCUIT INTERLOCK CHECK	MW 12M	-----
	5.03	ADJUSTMENT OF R247 AND R248 CP1 (OR WHEN A NEW CP1 IS INSTALLED)	MW 12M	-----

169-731-702 (1/0)	3.02	INSPECT S2 & S3 SWITCHES	MW 6M	-----
	3.03	SWITCH TEMPERATURE RISE TEST	MW 6M	-----
	3.06	CLEAN DC OUTPUT (S3) SWITCH	MW 12M	-----
	3.07	CLEAN & ADJUST AC TAP (S2) SWITCH	MW 12M	-----
	3.08	LUBRICATE DC OUTPUT (S3) SWITCH	MW 12M	-----
	3.09	LUBRICATE AC TAP (S2) SWITCH	MW 12M	-----

TROUBLE TESTS

169-731-312 (2/1)	4.01	(4.01-4.08) TROUBLESHOOTING PROCEDURES	TT	-----
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> 28.59 RECTIFIERS, KS; KS-20039 L11,L12

FOR ALL UNITS

169-735-301	(2/1)	4.03	VOLTMETER CALIBRATION CHECK	MW 12M	-----
		4.04	CHECK FULL LOAD CURRENT LIMIT SETTING	MW 12M	-----
		4.05	CHECK PARTIAL LOAD CURRENT LIMIT SETTING	MW 12M	-----
		4.06	CHECK TR SHUTDOWN	MW 12M	-----
		4.07	CHECK HIGH VOLTAGE FAILURE	MW 12M	-----
		4.08	CHECK RECTIFIER FAILURE ALARM	MW 12M	-----
		4.09	TEST, CLEAN AND ADJUST DC OUTPUT (S3) SWITCH PER 169-730-701	MW 6M	-----
		4.10	CHECK OUTPUT CAPACITOR FUSE	MW 12M	-----
TROUBLE TESTS					
169-735-311	(1/0)	4.01	(4.01-4.08) TROUBLE LOCATING PROCEDURES	TT	-----
		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----
>	28.60	RECTIFIERS, KS; KS-20040 L11,L12			
FOR ALL UNITS					
169-731-701	(2/0)	3.01	TEST S1 SWITCH	MW 12M	-----
		3.02	CLEAN AND LUBRICATE S1 SWITCH * (A) CLEAN S1 SWITCH (ALTERNATE (A) WITH (B) OR (C) EVERY 6 MONTHS)	MW 6M	-----
		3.02	CLEAN AND LUBRICATE S1 SWITCH * (B) CLEAN COPPER S1 SWITCH (ALTERNATE (A) WITH (B) OR (C) EVERY 6 MONTHS)	MW 6M	-----
		3.02	CLEAN AND LUBRICATE S1 SWITCH * (C) CLEAN SILVER PLATED S1 SWITCH (ALTERNATE (A) WITH (B) OR (C) EVERY 6 MONTHS)	MW 6M	-----
		3.03	ADJUST S1 SWITCH * (A) ALIGN S1 SWITCH	MW 24M	-----
		3.03	ADJUST S1 SWITCH * (B) CHECK S1 SWITCH CONTACT CHECK	MW 24M	-----
		3.03	ADJUST S1 SWITCH * (C) ADJUST S1 SWITCH CLIP	MW 24M	-----
		3.03	ADJUST S1 SWITCH * (D) CHECK S1 SWITCH CONTACT PRESSURE	MW 24M	-----
		4.01	CLEAN S2 SWITCH	MW 6M	-----
169-736-301	(5/0)	4.02	CHECK DC OVERLOAD SHUTDOWN	MW 12M	-----
169-731-701	(2/0)	4.02	CHECK S2 SWITCH	MW 6M	-----
169-736-301	(5/0)	4.03	CHECK FULL LOAD CURRENT LIMIT SETTING	MW 12M	-----
		4.04	CHECK PARTIAL LOAD CURRENT LIMIT SETTING	MW 12M	-----
		4.05	CHECK TR SHUTDOWN	MW 12M	-----
		4.06	CHECK HIGH VOLTAGE FAILURE	MW 12M	-----
		4.07	CHECK RECTIFIER FAILURE ALARM	MW 12M	-----
		4.08	CHECK OUTPUT FILTER FUSES	MW 6M	-----
TROUBLE TESTS					
169-736-311	(2/0)	4.01	(4.01-4.10) TROUBLE LOCATING PROCEDURES	TT	-----
>	28.61	RECTIFIERS, KS; KS-20489 L11,L12			
FOR ALL UNITS					
169-741-301	(2/0)	4.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.03	INSPECT AC INPUT CONTACTOR (ST3)	MW 12M	-----

SECTION 169-001-012

169-741-301 (2/0)	4.05	CHECK ACCURACY OF OUTPUT VOLTAGE (M2) VOLTMETER	MW 12M	-----
	4.08	FULL LOAD CURRENT LIMIT CHECK	MW 12M	-----
	4.09	PARTIAL LOAD CURRENT LIMIT CHECK	MW 12M	-----
	4.10	FUSE ALARM CHECKS	MW 12M	-----
	4.13	AC INPUT VOLTAGE MONITOR CHECK	MW 12M	-----
	4.14	HIGH VOLTAGE MONITOR CHECK	MW 12M	-----
	4.15	AC FUSE MONITOR CHECK	MW 12M	-----
169-741-701 (1/0)	3.01	(B) INSPECT S3 SWITCH	MW 6M	-----
	3.02	S3 SWITCH ELECTRICAL TESTS	MW 6M	-----
	3.03	S3 SWITCH TEMPERATURE RISE TEST	MW 6M	-----
	3.05	CLEANING AND LUBRICATION OF S3 SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.07	DISASSEMBLY OF THE S3 SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----
	3.08	INSPECT, ADJUST, AND LUBRICATE S3 SWITCH (MUST FOLLOW DISASSEMBLY PROCEDURE)	MW *	-----
	3.10	PREVENTIVE MAINTENANCE OF S3 SWITCH	MW 6M	-----

OPTIONAL FEATURES, SELECT NO MORE THAN ONE CATEGORY

USED IN A POWER PLANT

169-741-301 (2/0)	4.06	OUTPUT VOLTAGE CHECK (RECTIFIER USED IN A POWER PLANT)	MW 3M	-----
	4.11	TRANSFER SHUTDOWN (TR) CHECK (302B PLANT ONLY)	MW 12M	-----
	4.12	PLANT CONTROLLED (HV) SHUTDOWN AND LOCKOUT CHECK	MW 12M	-----

NOT USED IN A POWER PLANT

169-741-301 (2/0)	4.07	OUTPUT VOLTAGE CHECK (RECTIFIER NOT USED IN A POWER PLANT)	MW 3M	-----
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TROUBLE TESTS

169-741-311 (2/0)	4.01	(4.01-4.08) TROUBLE LOCATING PROCEDURES	TT	-----
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> 28.62 RECTIFIERS, KS; KS-20489 L21,L22

FOR ALL UNITS

169-741-301 (2/0)	4.02	CLEAN VENTILATING PASSAGES	MW 12M	-----
	4.03	INSPECT AC INPUT CONTACTOR (ST3)	MW 12M	-----
	4.05	CHECK ACCURACY OF OUTPUT VOLTAGE (M2) VOLTMETER	MW 12M	-----
	4.08	FULL LOAD CURRENT LIMIT CHECK	MW 12M	-----
	4.10	FUSE ALARM CHECKS	MW 12M	-----
	4.13	AC INPUT VOLTAGE MONITOR CHECK	MW 12M	-----
	4.14	HIGH VOLTAGE MONITOR CHECK	MW 12M	-----
	4.15	AC FUSE MONITOR CHECK	MW 12M	-----
169-741-701 (1/0)	3.01	(B) INSPECT S3 SWITCH	MW 6M	-----
	3.02	S3 SWITCH ELECTRICAL TESTS	MW 6M	-----
	3.03	S3 SWITCH TEMPERATURE RISE TEST	MW 6M	-----

	169-741-701 (1/0)	3.05	CLEANING AND LUBRICATION OF S3 SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----
		3.07	DISASSEMBLY OF THE S3 SWITCH (WHEN INSPECTION SHOWS NEED)	MW *	-----
		3.08	INSPECT, ADJUST, AND LUBRICATE S3 SWITCH (MUST FOLLOW DISASSEMBLY PROCEDURE)	MW *	-----
		3.10	PREVENTIVE MAINTENANCE OF S3 SWITCH	MW 6M	-----
	OPTIONAL FEATURES, SELECT NO MORE THAN ONE CATEGORY				
>	USED IN A POWER PLANT				
	169-741-301 (2/0)	4.06	OUTPUT VOLTAGE CHECK (RECTIFIER USED IN A POWER PLANT)	MW 3M	-----
		4.11	TRANSFER SHUTDOWN (TR) CHECK (302B PLANT ONLY)	MW 12M	-----
		4.12	PLANT CONTROLLED (HV) SHUTDOWN AND LOCKOUT CHECK	MW 12M	-----
	NOT USED IN A POWER PLANT				
	169-741-301 (2/0)	4.07	OUTPUT VOLTAGE CHECK (RECTIFIER NOT USED IN A POWER PLANT)	MW 3M	-----
	TROUBLE TESTS				
	169-741-311 (2/0)	4.01	(4.01-4.08) TROUBLE LOCATING PROCEDURES	TT	-----
>	28.63 RECTIFIERS, KS; KS-20490 L11,L12				
	FOR ALL UNITS				
	169-742-301 (1/1)	4.01	CLEAN VENTILATING PASSAGE	MW 12M	-----
		4.02	INSPECT AC TAP (ST2), AND AC INPUT CONTACTOR (ST3)	MW 12M	-----
		4.04	CHECK ACCURACY OF OUTPUT VOLTAGE (M2) VOLTMETER	MW 12M	-----
		4.07	FULL LOAD CURRENT LIMIT CHECK	MW 12M	-----
		4.08	PARTIAL LOAD CURRENT LIMIT CHECK	MW 12M	-----
		4.09	HIGH VOLTAGE MONITOR CHECK	MW 12M	-----
		4.10	SHUTDOWN FEATURE-DC OUTPUT (S1) SWITCH INTERLOCK	MW 12M	-----
		4.11	SHUTDOWN FEATURE-CIRCUIT BREAKER CB1	MW 12M	-----
		4.12	SHUTDOWN FEATURE-CIRCUIT BREAKER CB2	MW 12M	-----
		4.13	SHUTDOWN FEATURE-DC OUTPUT ALARM (F2) FUSE AND OUTPUT VOLTAGE (F3) FUSE	MW 12M	-----
	169-742-701 (1/0)	3.02	S1 SWITCH ELECTRICAL TEST	MW 6M	-----
		3.03	S1 SWITCH TEMPERATURE RISE TEST	MW 6M	-----
		3.05	S1 CLEANING AND LUBRICATION	MW 6M	-----
	OPTIONAL FEATURES, SELECT NO MORE THAN ONE CATEGORY				
	USED IN A POWER PLANT				
	169-742-301 (1/1)	4.05	OUTPUT VOLTAGE CHECK (RECTIFIER USED IN A POWER PLANT)	MW 3M	-----
		4.14	SHUTDOWN FEATURE-PLANT HV LEAD	MW 12M	-----
>	NOT USED IN A POWER PLANT				
	169-742-301 (1/1)	4.06	OUTPUT VOLTAGE CHECK (RECTIFIER NOT USED IN A POWER PLANT)	MW 3M	-----

SECTION 169-001-012

TROUBLE TESTS

169-742-311 (1/0) 4.01 (4.01-4.08) TROUBLE LOCATING PROCEDURES TT -----
 > 28.64 RECTIFIERS, KS; KS-20490 L21,L22

FOR ALL UNITS

169-742-301 (1/1) 4.01 CLEAN VENTILATING PASSAGE MW 12M -----
 4.02 INSPECT TAP (ST2) AND AC INPUT CONTACTOR (ST3) MW 12M -----
 4.04 CHECK ACCURACY OF OUTPUT VOLTAGE (M2) VOLTMETER MW 12M -----
 4.07 FULL LOAD CURRENT LIMIT CHECK MW 12M -----
 4.09 HIGH VOLTAGE MONITOR CHECK MW 12M -----
 4.10 SHUTDOWN FEATURE-DC OUTPUT (S1) SWITCH INTERLOCK MW 12M -----
 4.11 SHUTDOWN FEATURE-CIRCUIT BREAKER CB1 MW 12M -----
 4.12 SHUTDOWN FEATURE-CIRCUIT BREAKER CB2 MW 12M -----
 4.13 SHUTDOWN FEATURE-DC OUTPUT ALARM (F2) FUSE AND OUTPUT VOLTAGE (F3) FUSE MW 12M -----
 169-742-701 (1/0) 3.02 S1 SWITCH ELECTRICAL TEST MW 6M -----
 3.03 S1 SWITCH TEMPERATURE RISE TEST MW 6M -----
 3.05 S1 CLEANING AND LUBRICATION MW 6M -----

OPTIONAL FEATURES, SELECT NO MORE THAN ONE CATEGORY

> USED IN A POWER PLANT
 169-742-301 (1/1) 4.05 OUTPUT VOLTAGE CHECK (RECTIFIER USED IN A POWER PLANT) MW 3M -----
 4.14 SHUTDOWN FEATURE-PLANT HV LEAD MW 12M -----
 > NOT USED IN A POWER PLANT
 169-742-301 (1/1) 4.06 OUTPUT VOLTAGE CHECK (RECTIFIER NOT USED IN A POWER PLANT) MW 3M -----

TROUBLE TESTS

169-742-311 (1/0) 4.01 (4.01-4.08) TROUBLE LOCATING PROCEDURES TT -----
 > 28.65 RECTIFIERS, KS; KS-20491 L21-L24

SELECT ONLY ONE CATEGORY

LORAIN PRODUCTS CORPORATION

169-743-301 (4/0) 4.02 CHECK RECT OUTPUT FLOAT VOLTAGE MW 12M -----
 4.04 CHECK RELAY CONTACT CONDITION MW 12M -----
 4.05 CHECK OUTPUT VOLTAGE ADJUSTMENT MW 12M -----
 4.06 CHECK CURRENT LIMITING ADJUSTMENT MW 12M -----
 > 4.07 CHECK OVERVOLTAGE SHUTDOWN MW 12M -----
 > 4.08 CHECK TR SHUTDOWN MW 12M -----
 > 4.09 CHECK HV SHUTDOWN MW 12M -----
 > 4.10 CHECK OVERVOLTAGE SHUTDOWN AND LOCKOUT MW 12M -----
 > 4.11 CHECK AUTOMATIC RESTART MW 12M -----

ITT-NORTH ELECTRIC COMPANY

> 169-743-302 (1/0) 4.02 CHECK RECT OUTPUT FLOAT VOLTAGE MW 12M -----

>	169-743-302 (1/0)	4.04	CHECK RELAY CONTACT CONDITION	MW 12M	-----
>		4.06	CHECK OUTPUT VOLTAGE ADJMT	MW 12M	-----
>		4.07	CHECK CURRENT LIMITING ADJMT	MW 12M	-----
>		4.10	CHECK TR SHUTDOWN	MW 12M	-----
>		4.11	CHECK HV SHUTDOWN	MW 12M	-----
>		4.12	CHECK REMOTE CYCLE	MW 12M	-----
>	TROUBLE TESTS				
>	LORAIN PRODUCTS CORPORATION				
>	169-743-311 (1/1)	4.01	(4.01-4.08) TROUBLE LOCATING PROCEDURES	TT	-----
>	ITT-NORTH ELECTRIC COMPANY				
>	169-743-312 (1/0)	4.01	(4.01-4.11) TROUBLE LOCATING PROCEDURES	TT	-----
>	28.66 RECTIFIERS, KS; KS-20493 L21,L22				
>	SELECT ONLY ONE CATEGORY				
>	LORAIN PRODUCTS CORPORATION				
	169-745-301 (4/0)	4.02	CHECK RECT OUTPUT FLOAT VOLTAGE	MW 12M	-----
		4.04	CHECK RELAY CONTACT CONDITION	MW 12M	-----
>		4.06	CHECK OUTPUT VOLTAGE ADJMT	MW 12M	-----
>		4.07	CHECK CURRENT LIMITING ADJMT	MW 12M	-----
>		4.08	CHECK OVERVOLTAGE SHUTDOWN ADJMT	MW 12M	-----
>		4.09	CHECK TR SHUTDOWN	MW 12M	-----
>		4.10	CHECK HB SHUTDOWN	MW 12M	-----
>		4.11	CHECK OVERVOLTAGE SHUTDOWN AND LOCKOUT	MW 12M	-----
>		4.12	CHECK AUTOMATIC RESTART	MW 12M	-----
>	ITT-NORTH ELECTRIC COMPANY				
>	169-745-302 (1/0)	4.06	CHECK OUTPUT VOLTAGE ADJMT	MW 6M	-----
>		4.07	CHECK CURRENT LIMITING ADJMT	MW 6M	-----
>		4.08	CHECK OVERVOLTAGE SHUTDOWN ADJMT	MW 12M	-----
>		4.10	CHECK TR SHUTDOWN	MW 12M	-----
>		4.11	CHECK HV SHUTDOWN	MW 12M	-----
>		4.12	CHECK AUTOMATIC RESTART	MW 12M	-----
>	TROUBLE TESTS				
>	LORAIN PRODUCTS CORPORATION				
>	169-745-311 (1/1)	4.01	(4.01-4.08) TROUBLE LOCATING PROCEDURES	TT	-----
>	ITT-NORTH ELECTRIC COMPANY				
>	169-745-312 (1/0)	4.01	(4.01-4.09) TROUBLE LOCATING PROCEDURES	TT	-----
>		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----
>	28.67 RECTIFIERS, KS; KS-21113,L1,L2				
>	SELECT ONLY ONE CATEGORY				
>	LORAIN PRODUCTS CORPORATION				
>	169-746-301 (1/0)	4.01	CLEAN AIR FILTER	MW 6M	-----

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	169-746-301 (1/0)	4.05	OUTPUT VOLTAGE ADJUSTMENT	MW 12M	-----
		4.06	CURRENT LIMITING ADJUSTMENT	MW 12M	-----
		4.08	HV SHUTDOWN	MW 12M	-----
		4.09	AUTO START	MW 12M	-----
>	ITT-NORTH ELECTRIC COMPANY				
>	169-746-302 (2/0)	4.01	CLEAN AIR FILTER	MW 6M	-----
>		4.04	CHECK CONDITION OF RELAY CONTACTS	MW 12M	-----
>		4.05	OUTPUT VOLTAGE ADJUSTMENT	MW 12M	-----
>		4.07	CURRENT LIMITING ADJUSTMENT	MW 12M	-----
	WARREN COMMUNICATIONS COMPANY				
>	169-746-304 (1/0)	4.02	CLEAN AIR FILTER	MW 6M	-----
		4.03	CHECK OUTPUT VOLTAGE ADJUSTMENT	MW 12M	-----
		4.04	CHECK CURRENT LIMITING ADJUSTMENT	MW 12M	-----
		4.05	CHECK PWB INTERLOCK	MW 12M	-----
		4.06	CHECK AC MONITOR	MW 12M	-----
		4.07	CHECK FUSE ALARMS	MW 12M	-----
		4.08	CHECK HV SHUTDOWN	MW 12M	-----
		4.09	CHECK FAN FAIL SHUTDOWN	MW 12M	-----
>	28.68 RECTIFIERS, KS; KS-5663 L8, L9, L10				
	FOR ALL UNITS				
	169-445-301 (1/0)	4.01	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.02	CHECK DC OUTPUT VOLTAGE	MW 3M	-----
		4.03	CHECK DIODES	MW 6M	-----
	TROUBLE TESTS				
	169-445-301 (1/0)	5.01	DEFECTIVE DIODE REPLCMT	TT	-----
		5.02	TROUBLE TEST CHART	TT	-----
>	28.69 RECTIFIERS, KS; KS-15668 L1-L3				
	FOR ALL UNITS				
	169-465-301 (1/0)	1.05	CLEAN VENTILATING PASSAGES	MW 12M	-----
		4.01	(A&B) CHECK OUTPUT VOLTAGE	MW 3M	-----
		4.01	(C) CHECK VENTILATING PASSAGES	MW 12M	-----
		4.01	(D) INSPECT AND CHECK RELAY CONTACTS	MW 12M	-----
	TROUBLE TESTS				
	169-465-301 (1/0)	5.01	(5.01-5.03) CHECK OUTPUT VOLTAGE	TT	-----
		5.04	(5.04-5.05) SELENIUM RECTIFIER STACK RPLCMT	TT	-----
		5.06	SILICON DIODE RPLCMT	TT	-----
		5.07	TROUBLE TEST CHART	TT	-----
>	28.70 RECTIFIERS, KS; KS-19921 L1				
	FOR ALL UNITS				
	169-466-301 (1/0)	4.01	(B&C) CHECK RECTIFIER OPERATION	MW 6M	-----

	169-466-301	(1/0)	5.01	(A) CHECK AC INPUT VOLTAGE	MW 6M	-----
	TROUBLE TESTS					
	169-466-301	(1/0)	5.02	(5.02-5.06) RECTIFIER FAILURE	TT	-----
>	28.71 RECTIFIERS, KS; KS-20121 L1-L4					
	FOR ALL UNITS					
	169-467-301	(2/0)	4.01	INSPECT RELAY CONTACT ADJMT AND CONDITION	MW 12M	-----
			4.03	(1) CHECK OUTPUT VOLTAGE	MW 3M	-----
			4.03	(10) CHECK LOW VOLTAGE ALARM	MW 12M	-----
			4.03	(5) CHECK DC OUTPUT FUSE FAILURE ALARM	MW 12M	-----
	OPTIONAL FEATURES					
>	KS-20121 L3 & L4					
	169-467-301	(2/0)	4.03	(7) CHECK HV SHUTDOWN	MW 12M	-----
>	28.72 RECTIFIERS, KS; KS-21090					
	FOR ALL UNITS					
	169-472-301	(2/0)	1.04	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.02	(1) CHECK NEG 48 VDC OUTPUT ADJMT	MW 3M	-----
			4.02	(5) CHECK OVERVOLTAGE ADJMT	MW 3M	-----
	TROUBLE TESTS					
	169-472-301	(2/0)	5.01	(5.01-5.02) TROUBLE TEST CHART	TT	-----
>	28.73 RECTIFIERS, KS; KS-21091					
	FOR ALL UNITS					
	169-472-302	(2/0)	1.04	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.02	(1) CHECK NEG 48 VDC OUTPUT ADJMT	MW 3M	-----
			4.02	(5) CHECK NEG 48 VDC OUTPUT OVERVOLTAGE ADJMT	MW 3M	-----
			4.03	(1) CHECK POS 48 VDC OUTPUT ADJMT	MW 3M	-----
			4.03	(5) CHECK POS 48 VDC OUTPUT OVERVOLTAGE ADJMT	MW 3M	-----
	TROUBLE TESTS					
	169-472-302	(2/0)	5.01	(5.01-5.02) TROUBLE TEST CHART	TT	-----
>	28.74 RECTIFIERS, KS; KS-21195					
	FOR ALL UNITS					
	169-472-303	(1/0)	1.04	CLEAN VENTILATING PASSAGES	MW 12M	-----
			4.01	CHECK OUTPUT VOLTAGE	MW 3M	-----
>	28.75 RECTIFIERS, KS; KS-21421 L1,L2					
	SELECT ONLY ONE CATEGORY					
	KS-21421 L1					
	169-472-304	(1/0)	4.02	CHECK DC OUTPUT VOLTAGE ADJMT	MW 3M	-----
			4.04	CHECK OVERVOLTAGE ADJMT	MW 3M	-----
	KS-21421 L2					
	169-472-304	(1/0)	4.03	CHECK DC OUTPUT VOLTAGE ADJMT	MW 3M	-----
			4.05	CHECK OVERVOLTAGE ADJMT	MW 3M	-----

> 28.76 RECTIFIERS, KS; KS-21520

SELECT ONLY ONE CATEGORY

> LORAIN PRODUCTS CORP

169-748-301 (1/0)	4.03	CLEAN, TEST AND ADJUST DC OUTPUT (S1) SWITCH PER 169-748-501	MW 12M	-----
	4.05	CHECK OUTPUT VOLTAGE ADJMT	MW 12M	-----
	4.06	CHECK CURRENT LIMIT FULL LOAD SET POINT AND ADJMT	MW 12M	-----
	4.07	CHECK PARTIAL LOAD CURRENT LIMIT SET POINT AND ADJMT (L11 AND L12 ONLY)	MW 12M	-----
	4.08	INTERNAL HV MONITOR CHECKS AND ADJMETS	MW 12M	-----
	4.10	(4.09-4.10) CHECK SIMULATED TR SHUTDOWN AND ALARM	MW 12M	-----
	4.11	(4.09 & 4.11) CHECK SIMULATED PLANT HV SHUTDOWN AND REMOTE RECYCLE	MW 12M	-----
	4.12	CHECK FUSE ALARMS	MW 12M	-----
	4.13	RECTIFIER DISCD FROM BAT UNDER LOAD OPERATION	MW 12M	-----
	4.14	CHECK LOAD CARRYING BOLTS	MW 12M	-----

> WARREN COMMUNICATIONS

169-748-302 (1/0)	4.02	INSPECT RELAYS FOR CONTACT ADJMT AND EROSION	MW 12M	-----
	4.04	CHECK CKT BOARD INTERLOCK	MW 12M	-----
	4.05	CHECK OUTPUT VOLTAGE ADJMT	MW 12M	-----
	4.06	CHECK CURRENT LIMIT FULL LOAD SET POINT AND ADJMT	MW 12M	-----
	4.07	CHECK PARTIAL LOAD CURRENT LIMIT SET POINT AND ADJMT	MW 12M	-----
	4.08	CHECK LO RELAY OPRN AND ADJMT	MW 12M	-----
	4.09	CHECK HV MONITOR DIVIDER	MW 12M	-----
	4.10	CHECK HV MONITOR CKT	MW 12M	-----
	4.11	CHECK HV SHUTDOWN AND REMOTE START CKT	MW 12M	-----
	4.12	CHECK RECT FAILURE ALARM	MW 12M	-----
	4.13	CHECK AC VOLTAGE MONITOR TEST INDR CKT	MW 12M	-----
	4.14	CHECK TR SHUTDOWN CKT	MW 12M	-----
	4.15	CHECK LOAD CARRYING BOLTS	MW 12M	-----
169-748-502 (1/0)	3.01	CLEAN RECTIFIER CABINET INTERIOR	MW 12M	-----
	4.01	PREPG DC OUTPUT (S1) SWITCH FOR TEST (PRIOR TO TESTS)	MW 6M	-----
	4.02	DC OUTPUT (S1) SWITCH ELECTRICAL TEST	MW 6M	-----
	4.03	CLEANING, LUBRICATION AND ADJMT DC OUTPUT SWITCH	MW 12M	-----
	5.01	CHECK BOLTED ELECTRICAL CONNECTIONS	MW 12M	-----

TROUBLE TESTS

LORAIN PRODUCTS CORP

169-748-311 (1/0)	4.01	(4.01-4.19) TROUBLE LOCATING PROCEDURES	TT	-----
	5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----

WARREN G-V COMMUNICATIONS

	169-748-312 (1/0)	4.01	(4.01-4.08) TROUBLESHOOTING PROCEDURES	TT	-----
		5.01	(5.01-5.09) COMPONENT CHECKING PROCEDURES	TT	-----
>	28.77 RECTIFIERS, KS; KS-5789				
	FOR ALL UNITS				
	169-663-301 (1/0)	2.06	CHECK OUTPUT VOLTAGE ADJMT	MW 3M	-----
		2.07	(2.07-2.08) CHECK GRID CURRENT	MW 3M	-----
		3.01	CHECK ELECTRON TUBES	MW 12M	-----
>	28.78 RECTIFIERS, KS; KS-19790 L21,L22				
>	FOR ALL UNITS				
>	169-730-301 (3/0)	4.02	INSPECT RELAY CONTACT ADJMT & EROSION (EXCEPT CAPSULATED MB-TYPE RELAY)	MW 12M	-----
>		4.03	CLEAN, TEST, AND ADJUST AC TAP (S2) AND DC OUTPUT (S3) SWITCHES PER 169-730-701	MW 6M	-----
>		4.05	CHECK OUTPUT VOLTAGE ADJUSTMENT	MW 12M	-----
>		4.06	HIGH VOLTAGE MONITOR TEST & ADJMT	MW 12M	-----
>		4.07	CHECK CURRENT LIMIT FULL LOAD ADJUSTMENT	MW 12M	-----
>		4.10	SHUTDOWN BY BLOWN DC OUTPUT ALM OR OUTPUT CAP (F1 ALM AND F2 ALM) FUSES	MW 12M	-----
>		4.11	CHECK SHUTDOWN BY TRIPPED CKT BRKR	MW 12M	-----
>		4.12	CHECK SHUTDOWN BY HIGH VOLTAGE CONDITION	MW 12M	-----
>		4.13	CHECK SHUTDOWN TR GROUND SIGNAL FROM PLANT	MW 12M	-----
>		4.14	CHECK SHUTDOWN BY CKT PACK MALFUNCTION	MW 12M	-----
>		4.15	CHECK SHUTDOWN BY THYRISTOR FAILURE DETECTOR CKT	MW 12M	-----
>		4.16	ANTI-HUNT 1 NETWORK ADJMT (AS A LAST RESORT)	MW *	-----
>		4.17	ANTI-HUNT 2 NETWORK ADJMT (AS REQUIRED)	MW *	-----
>	TROUBLE TESTS				
>	169-730-301 (3/0)	5.03	TROUBLE CONDITION CHART	TT	-----
>	169-730-311 (1/0)	4.01	(4.01-4.09) TROUBLE LOCATING PROCEDURES	TT	-----
>		5.01	(5.01-5.06) COMPONENT CHECKING PROCEDURES	TT	-----