

Class 20—Electrical Machines

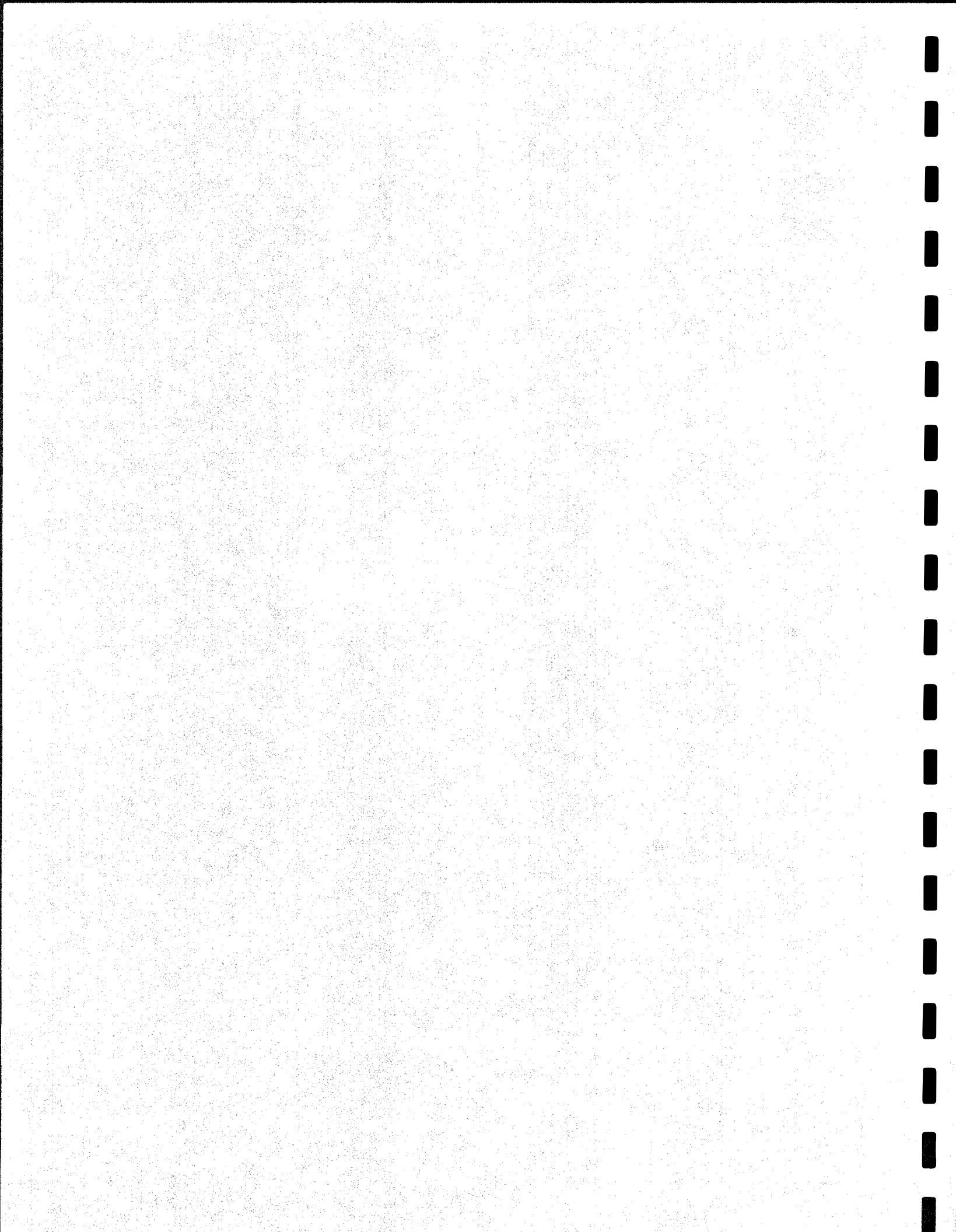
CLASS 20

RECTIFIER POWER UNITS

**INCLUDES: RECTIFIERS
ELECTRONIC INVERTERS
VOLTAGE REGULATORS
COPPER OXIDE RECTIFIER
VIBRATORS
SELENIUM RECTIFIERS**

RESTRICTED

NAVSHIPS 900,109



Class 20—Electrical Machines

3.20-1

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		
CG-20000 TBC RECTIFIER POWER UNIT AUXILIARY. INPUT: 220 VOLTS, 3-PHASE, 60 CYCLES. TUBES: SIX 38172; TWO 866-A FIVE 10; TWO 38111A; ONE 38897.			CNA 20008 RW-74014 RECTIFIER POWER UNIT. INPUT: 220-230 VOLTS - 50-60 CYCLES. TUBE: ONE 80.			CBM 20014-A RECTIFIER POWER UNIT.				
12/29/31 NOV. 41		M-7350402-G-1	8/15/33 NOV. 41			NOV. 41				
CG-20001 TBC RECTIFIER POWER UNIT - MAIN. INPUT: 220 VOLTS - 3-PHASE - 60 CYCLES. TUBES: SIX 869-A.			CG-20009 TAO-4 RECTIFIER POWER UNIT INPUT: 440 VOLTS - 3 PHASE - 60 CYCLES. TUBES: 6 - 872-A, 4 - 866-A, 1 - 38897.			CBM 20014-B RM-1 RECTIFIER POWER UNIT. SAME AS 20014A EXCEPT TERMINAL MARKINGS AND CABLE ENTRANCES.				
12/29/31 RT-149A NOV. 41		M-7350401-G-1	11/9/34 NOV. 41		P-7761133 REV 0	3/21/34 NOV. 41				
CNA 20002 RAD-2 RECTIFIER POWER UNIT INPUT: 110 VOLTS - 60 CYCLES.			CNA 20010 RAD-3 RECTIFIER POWER UNIT INPUT: 105-120 VOLTS - 50-60 CYCLES. OUTPUT: 250 VOLTS PLATE - 2.5 VOLTS FILAMENT. TUBE: ONE 80.			CBM 20015 QC & NM RECTIFIER-POLARIZER UNIT INPUT: TUBES: THREE EL-58		55RE20F1005		
11/15/32 NOV. 41			8/21/33 #3258 NOV. 41			2/1/34 571 NOV. 41				
CAY 20003 TBF RECTIFIER - RECTOX UNIT INPUT: 10-15 VOLTS A. C. OUTPUT: 6-12 VOLTS D. C. (USED WITH CAY-22159)			CRY 20011 DO POWER UNIT - D. C. FILTER.			CBM 20015-A				
4/11/33 S#584343 NOV. 41		P-7703042 PT. 17	8/25/33 NOV. 41			NOV. 41				
CNA 20004 RAD-2A RECTIFIER POWER UNIT INPUT: 110 VOLTS - 25 CYCLES.			CRY 20011A DO-1.-2.-3 POWER UNIT; AC, 115 VOLTS, 60 CYCLES. TUBE: ONE 80.			CBM 20015-B NM-1 RECTIFIER-POLARIZER UNIT SAME AS 20015A EXCEPT TERMINAL MARKINGS AND CABLE ENTRANCES.				
4/14/33 NOV. 41			8/25/33 NOV. 41			3/21/34 NOV. 41				
CRY 20005 VA RECTIFIER POWER UNIT. INPUT: 110 VOLTS - 60 CYCLES - 245 WATTS. TUBES: TWO 80; SIX 874			CHS 20012 TAZ-1 CHS-T-119 RECTIFIER POWER UNIT INPUT: 230 VOLTS - 3-PHASE - 60 CYCLES. TUBES: 6 - 872A; 6 - 866-A.			CRY 20016 RAA-1&RAB-1 RECTIFIER POWER UNIT. INPUT: 110 VOLTS - 60 CYCLES - 235 WATTS. TUBES: 2 - 80; 1 - 874.				
5/17/33 NOV. 41			10/14/33 NOV. 41			3/6/34 NOV. 41				
CRY 20006 TBM RECTIFIER POWER UNIT INPUT: 220 VOLTS - 3-PHASE - 60 CYCLES. TUBES: SIX 872-A			CBM 20013 QB RECTIFIER POWER UNIT INPUT: TUBES:		55RE20F1006	CRY 20016-A RAA-4;RAB-4 RECTIFIER POWER UNIT SAME AS -20016 EXCEPT FOR INPUT OF 110/115/120 VOLTS AND USE OF 5Z3 RECTIFIER TUBES IN LIEU OF 80.				
5/ /33 SPU-24(MOD.) NOV. 41		P-702455	2/1/34 NOV. 41			1/17/38 NOV. 41				
CRY 20007 TAJ-4&TBF-1 RECTIFIER POWER UNIT: INPUT 230 V. 60 CYCLES, 3-PHASE. OUTPUT: MAIN UNIT 3000/1500 V. USES SIX 872-A TUBES. AUX. UNIT 1250 VOLTS. USES TWO 866-A TUBES. BIAS UNIT 1250 VOLTS. USES TWO 866-A TUBES. CONTROL UNIT 115 VOLTS. USES TWO 83 TUBES. 6/21/33 CRY:T-121 NOV. 41			CBM 20014 QC & NM RECTIFIER POWER UNIT INPUT: TUBES: SIX 217-C.		55RE20F1004	CAG 20017 LD-2 RECTIFIER POWER UNIT: INPUT 110 VOLTS, 60 CYCLES. TUBE 1 - 82.		CAG-L-123		
			2/1/34 570A NOV. 41			3/10/34 NOV. 41				
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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CAY 20018	TAJ-5&TBK		CBM 20023	QC-1		CRY 20030	TBL-1	
RECTIFIER POWER UNIT.			RECTIFIER POLARIZER UNIT			RECTIFIER POWER UNIT		
INPUT: 440 VOLTS - 3-PHASE - 60 CYCLES.			INPUT: TUBES:			INPUT: 440 VOLTS - 60 CYCLES - 3-PHASE		
TUBES: 2 - 38116; 4 - 866-A; 6 - 872-A.						TUBES: 6 - 872-A; 4 - 866-A; 2 - 83.		
7/2/34	T-7604067		7/24/34	571F		1/9/35	P-708499	
NOV. 41			NOV. 41			NOV. 41		
CBM 20019	QC-2		CW-20024	CXH		CW-20031	CXH-1	
RECTIFIER POWER UNIT			RECTIFIER POWER UNIT.			RECTIFIER POWER UNIT		
INPUT: TUBES:			INPUT: 230 VOLTS - 3-PHASE - 60 CYCLES.			INPUT: 230 VOLTS - 3-PHASE - 60 CYCLES.		
			TUBES: 8 - M. E. CO'S. #249B; 2 - M.E.			TUBES: 8 - M.E. CO'S. #249B; 1 - M.E.		
			CO'S. #205D.			CO'S. #272A; 1 - M.E. CO'S. #284A.		
7/7/34	570G		12/1/34	9A		1/12/35	9A	
NOV. 41			NOV. 41			NOV. 41		
CBM 20019-A	NM-2		CBM 20025	NG-2&QB-1		CHS 20032	RAG-1&RAK-1	
RECTIFIER POWER UNIT			RECTIFIER POWER UNIT			RECTIFIER POWER UNIT.		
SAME AS 20019 EXCEPT TERMINAL			INPUT: TUBES:					
ARRANGEMENT.								
3/6/35			12/14/34	583		2/19/35		
NOV. 41			NOV. 41			NOV. 41		
CBM 20020	QC-2		CBM 20025A	QB-1A	55RE 20J 1018	CAY 20033	* SEE BELOW	
RECTIFIER POWER UNIT			RECTIFIER POWER UNIT:			RECTIFIER - MODULATOR UNIT		
INPUT: TUBES:			SAME AS 20025 EXCEPT ONE FILAMENT			60 CYCLES.		
			TRANSFORMER HAS 7.5 VOLT WINDING					
			INSTEAD OF 10 VOLTS.					
7/7/34	571E		12/10/35	597A		* TBM, 1, 2/TBN, 1, 2, 3.		
NOV. 41			DEC. 41			2/26/35	T-7604397	
CBM 20020-A	NM-2		CRY 20026	DP1, 2, 3, & 4Q		CAY 20034	TBN-1	
RECTIFIER POLARIZER UNIT			RECTIFIER POWER UNIT			RECTIFIER - MODULATOR UNIT		
SAME AS 20020 EXCEPT TERMINAL			INPUT: 110 VOLTS - 60 CYCLES. TUBE:			25 CYCLES.		
ARRANGEMENT.			1 - 80.					
3/6/35			12/14/34			2/26/35	T-7604573	
NOV. 41			NOV. 41			NOV. 41		
CW-20021	GO-1		CG-20027	TBA-2		CW-20035	TBM-2&TBN-2	
RECTIFIER POWER UNIT			RECTIFIER POWER UNIT			RECTIFIER POWER UNIT -		
CANCELLED - TYPE 20042 UNIT USED.			INPUT: 440 VOLTS - 3-PHASE - 60 CYCLES.			TELEPHONE. 110 V. - 60 CYCLE A C. FOR		
			TUBES: 6 - 872-A; 4 - 866-A; 1 - 38897.			FOUR-CHANNEL EQUIPMENT. (USES ABOUT		
						325 WATTS)		
7/24/34			12/17/34		P-7761153	2/26/35	ESXX-606513	
NOV. 41			NOV. 41			NOV. 41		
CBM 20022	QC-1		CBM 20028	NM-1a		CRY 20036	RAK-1&RAL-1	
RECTIFIER POWER UNIT.			RECTIFIER POWER UNIT			RECTIFIER POWER UNIT.		
INPUT: TUBES: (MODERNIZED INTO			INPUT: 220 VOLTS - 3-PHASE - 60 CYCLES.			110 VOLTS 60 CYCLES SINGLE PHASE. WT.		
CBM-20022A)			TUBES:			41 LBS.		
7/24/34	570H		12/20/34	570J		4/1/35		
NOV. 41			NOV. 41			NOV. 41		
CBM 20022-A	QCA		CBM 20029	NM-1a		CRY 20036-A	* SEE BELOW	
RECTIFIER POWER UNIT			RECTIFIER POLARIZER UNIT			RECTIFIER POWER UNIT		
			INPUT: 220 VOLTS - 3-PHASE - 60 CYCLES.			110, 115, 120 VOLTS 60 CYCLES, SINGLE		
			TUBES:			PHASE.		
6/10/38	570H(IMP)		12/20/34	571G		* RAK-4, RAL-4.		
NOV. 41			NOV. 41			7/28/38	MI-8632	H-300518
						NOV. 41		G-502 REV 7

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CCE 20037	RO-2a		CRY 20045	T8H-1 & 2		CRY 20053	* SEE BELOW	
RECTIFIER POWER UNIT			RECTIFIER POWER UNIT.			RECEIVER POWER UNIT.		
INPUT: OUTPUT: 6.3 VOLTS, 2.1 AMPS.			105-125 VOLTS, 50-60 CYCLES, 80 WATTS.			FOR OPERATION FROM 115 VOLTS, 60 CYCLES,		
FILAMENT - 45/90/180 V. PLATE, TUBE:						200 WATTS; OR 6 VOLTS DC, 35 WATTS.		
						CHASSIS SAME AS -20036 EXCEPT FOR TWO		
						6-VOLT DYNAMOTORS AND SIZE.		
4/8/35			12/4/35	54A	W-300165	* T8R, T8R-1 & XT8R.		
NOV. 41			NOV. 41			8/21/36		
						NOV. 41		
CBN 20038	JL-4		CAG 20046	LD-3		CAY 20054	GO-3	
RECTIFIER POWER UNIT.			RECTIFIER POWER UNIT.			TRANSMITTER POWER UNIT.		
230 VOLTS - 60 CYCLES.						AIRCRAFT, 120 VOLTS, 800 CYCLES SINGLE		
						PHASE; AND 2 AMPS., 12 VOLTS D C OVERALL		
						DIMENSIONS INCLUDING SHOCK MOUNTING		
						8-1/2" WIDE, 15-1/4" DEEP & 30-1/2" HIGH		
						WEIGHT APPROXIMATELY 62 LBS.		
4/18/35	605		1/6/36			2/24/37		
NOV. 41			NOV. 41			NOV. 41		
CW-20039	* SEE BELOW		CBM 20047	* SEE BELOW	55RE20F1019A	CG-20055	VA	6RE20J1021A
RECTIFIER POWER UNIT -			PROJECTOR POLARIZER			RECTIFIER POWER UNIT.		
TELEPHONE.						FOR SHUTTER OPERATION.		
FOR SINGLE CHANNEL EQUIPMENT, 110 V.								
25 OR 60 CYCLES. (CONSUMES ABOUT 75								
WATTS).								
* T8M-1, T8N-1 & 3.			* NM-5, QC-5 & QC-5b.			5/3/37		CG DWG.
4/19/35			2/26/36	571K		NOV. 41		W-5326279
NOV. 41			NOV. 41					
CBY 20040	RAJ		CBM 20048	QC5a	55RE20F1020A	CG-20055-A	VA-1	6RE20J1029A
RECTIFIER POWER UNIT			POLARIZING RECTIFIER-			RECTIFIER POWER UNIT		
			220 VOLT INPUT.			SAME AS 20055 EXCEPT FOR IMPROVEMENT IN		
						COMPONENTS.		
4/23/35			2/26/36	571-L		1/6/38		
NOV. 41			NOV. 41			NOV. 41		
CAG 20041	LN		CRY 20049	* SEE BELOW		RA-20056	XAD	
RECTIFIER POWER UNIT			RECTIFIER POWER UNIT:			RECTIFIER UNIT.		
INPUT: 115 VOLTS, 60 CYCLES, SINGLE			INPUT 115 VOLTS, 60 CYCLES, 0.6 AMP, 115					
PHASE.			WATTS. OUTPUT: 100 VOLTS AT 0.03 AMP					
			AND 6.1 VOLTS, 3.3 AMPS.					
5/28/35			* OP-4, DP-5, DP-6, & DQ-1			10/4/37		
NOV. 41			3/27/36		CRY:K-868586-1	NOV. 41		
			OCT. 42		SUB 2			
CW-20042	GO-2		CBM 20050	NM-6		CRY 20057	UA-1	
RECTIFIER POWER UNIT			RECTIFIER POWER SUPPLY			RECTIFIER POWER UNIT		
			FOR CBM 50042 AMPLIFIER.			INPUT: 110 VOLTS - 60 CYCLES A. C.		
7/24/35			4/23/36	724		10/8/37		KX-284033 REV 0
NOV. 41			NOV. 41			NOV. 41		
CBM 20043	JL-3a		CRR 20051	DR&DS	RW13A136	CBM 20058	QC-7	55RE20J1027A
RECTIFIER POWER UNIT.			RECTIFIER POWER SUPPLY			PROJECTOR POLARIZER.		
115 VOLTS - 60 CYCLES.			FOR 110 VOLT - 60 CYCLE SINGLE PHASE.					
8/12/35			8/4/36			10/14/37	754	CBM DWG. SK3392
NOV. 41			NOV. 41			NOV. 41		
CAY 20044	T8M-3		CW-20052	CN		CBM 20058-A	QCC	
RECTIFIER - MODULATOR UNIT.			RECTIFIER POWER SUPPLY			PROJECTOR POLARIZER.		
60 CYCLES. (SAME AS CAY-20053 EXCEPT			FOR 120 VOLT 600 TO 800 CYCLES. GENER-			ADDED TERMINAL 45 AND 46 TO PERMIT BREAK		
THE ADDITION OF FUSE BOX AND TWO TER-			ATOR NEA-2.			FOR SAFETY SWITCH IN CBM-25131 TRANSFER		
MINALS.)						SELECTOR CONTROL UNIT.		
11/14/35			8/10/36		ESX-610020	6/13/38	754 IMP.	SK-4045
NOV. 41			NOV. 41			NOV. 41		

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CBM 20058-B QCH-4 PROJECTOR POLARIZER MODERNIZED -20058A TO INCLUDE NAVY TYPE -38674A FAST HEATING RECTIFIER TUBES AND NEW THERMAL UNITS & RELAYS.	7/1/40 NOV 41	754 IMP CBM DWG. 6893 ALT 1	CBM 20062 QC-7/JK3 RECTIFIER POWER UNIT: FOR RECEIVER-AMPLIFIER. INPUT 115/230 VOLTS, .75/1.38 AMP. SINGLE PHASE, 60 CY. 80 WATTS. OUTPUT 6.3 AC/260 DC/280 DC VOLTS, 3.3/.0036/.03 AMPS. WEIGHT 26 LBS	11/27/37 760A MAR. 43	55RE20J1026A CBM:SKETCH 3890	RW-20067 DY VIBRATOR POWER UNIT INPUT: 5 TO 8 VOLTS, 3.2 AMPS D.C. OUTPUT: 170 VOLTS, 40 MA DC.	4/19/38 NOV. 41	
CBM 20059 NM-8 RECTIFIER POWER UNIT	11/15/37 7248 NOV. 41	55RE20J1028A CBM DWG SK3892	CBM 20062A QFB RECTIFIER POWER UNIT FOR RECEIVER AMPLIFIER; INPUT: 115/230/1/60 AT 1.0/0.5 AMPS. OUTPUT: 30/270/270/270 V DC AT .002/.003/.03/.0415 AMPS AND 5.6 V AC AT 5.0 AMPS. IDENTICAL TO CBM- 20062 EXCEPT FOR PHYSICAL REARRANGEMENT OF FILTER AND BLEEDER CIRCUIT ITEMS. 6/21/42 CBM:760G OCT. 42	11/27/37 760A MAR. 43	55RE20J1026A CBM:SKETCH 3890	COC 20058 DT VIBRATOR UNIT. 200 VOLTS, 52 MILLIAMPERES - PLUG IN TYPE - 4 PRONG, 1-5/16" DIAMETER, 3-1/16 INCHS HIGH EXCLUSIVE OF PRONGS.	4/19/38 NOV. 41	V5179D7 CATALOG
CBM 20059A NM-9A-10-11 RECEIVER AMPLIFIER POWER SUPPLY: INPUT 120/1/60 .75 AMP, 82 WATTS OUTPUT 6.3 AC/238 DC/285 DC VOLTS AT 3.2/.073/.034 AMP. WEIGHT 49 POUNDS.	10/25/38 MAR. 43	CBM:724C 724C	CBM 20062B QCS.QCT RECTIFIER POWER UNIT: (FOR RECEIVER AMPLIFIER). INPUT 115/230 VOLTS, .75/1.38 AMP. SINGLE PHASE, 60 CY OUTPUT 6.3AC/260DC/280DC VOLTS, 3.3/ .0036/.03 AMP. IDENTICAL TO -20062 EX- CEPT CHASSIS IS OF SHEET STEEL INSTEAD OF ALUMINUM. 10/8/42 760AS MAR. 44	10/25/38 MAR. 43	55RE 20J1447A CBM:SK-3890	CBM 20069 QCF POLARIZER SIMILAR TO CBM-20061 EXCEPT FOR SLIGHT INCREASE IN SIZE, USE OF -38674A RECTI- FIER TUBES & ENGRAVING OF TERMINAL PANEL.	6/10/38 NOV. 41	55RE20F1030A CBM DWG SK-4073
CBM 20059-B MAA RECTIFIER POWER UNIT POWER SUPPLY FOR -46079 RECEIVER- AMPLIFIER; A PART OF -78092 INDICATOR- AMPLIFIER UNIT.	8/8/39 NOV. 41	7240 CBM DWG 6921 ALT 0	CBM 20062-C WEB RECTIFIER POWER UNIT INPUT 115-230/1/60, 0.75/0.38 AMP. OUT- PUT: 6.3 AC/260DC/280 DC VOLTS, 3.3/ 0.0036/0.03 AMP. SAME AS CBM-20062-B EX- CEPT EMPLOYS A 5U4G TUBE INSTEAD OF A 5Z3.	8/8/39 NOV. 41	7240 CBM DWG 6921 ALT 0	CG-20070 TBR & TBR-1 RECTIFIER POWER UNIT (FOR TRANSMITTER). POWER SUPPLY: 110 VOLTS, 60 CYCLE, SINGLE PHASE FOR USE WITH -52090 & -52091.	7/7/38 NOV. 41	4MR3B1 PHOTO: 522533
CBM 20059-C MMC-1 RECTIFIER POWER UNIT: SAME AS CBM-20059-A EXCEPT 5Z3 TUBE IS REPLACED BY A 5U4G TUBE, MOUNTED IN REAR OF INDICATOR AMPLIFIER.	5/22/43 JULY 43	CGM:724C CBM:724C	CBM 20063 JL-5 RECTIFIER POWER UNIT. FOR -50048 AMPLIFIER & FIELDS OF 51002A MAGNETOPHONE.	1/4/44 MAR. 44	760 F 60341 ALT 0	CRY 20071 RAE-2 RECTIFIER POWER UNIT 110 VOLTS, 60 CYCLE, SINGLE PHASE, 205 WATTS. SUPPLIES POWER TO TYPE CRY-30008 AMPLIFIER COMBINING UNIT AND PART OF CRY-35002 TONE KEYS. USES (2) -38593 & (1) -38274 VACUUM TUBES (46019)	7/20/38 NOV. 41	MI-8618
CBM-20059-D WFA RECTIFIER POWER UNIT INPUT 120/1/60 0.75 AMPS, 82 WATTS. OUT- PUT 6.3 AC/230DC/285 DC VOLTS AT 3.20/ 0.073/0.034 AMPS. SAME AS -20059-C EX- CEPT INCLUDES A 4 AMP FUSE.	11/1/44 DEC. 44	724J 60457 ALT 0	CBM 20064 * SEE BELOW RECTIFIER POWER UNIT: INPUT 115/230/1/60, .75/1.38, 80 WATTS. OUTPUT VOLTS 6.3 AC/260 DC/280 DC. AMPS 3.3/.0036/.03. FOR USE WITH 46161A RECEIVER AMPLIFIER. SAME AS CBM-20062 EXCEPT HAS AN INDIVIDUAL HOUSING. *QC-1A/QC-1B (REPL) 2/10/44 760C MAR. 43	11/1/44 DEC. 44	724J 60457 ALT 0	CRY 20072 RAE-2 RECTIFIER POWER UNIT. 110 VOLTS, 60 CYCLES, SINGLE PHASE; 150 WATTS. SUPPLIES POWER TO PART OF TYPE CRY-35002 TONE KEYS; USES (2) 5Z3 VACUUM TUBES. (46020)	7/22/38 NOV. 41	MI-8619
CBM 20060 NM-9 RECTIFIER POWER UNIT AND POLARIZER FILTER.	11/15/37 NOV 41	CBM 724A	CRR 20065 LD-4 RECTIFIER POWER UNIT. 110 - 115 VOLTS 60 CYCLE SINGLE PHASE- FOR TYPE -74021 FREQUENCY MEASURING UNIT	11/15/37 NOV 41	CBM 724A	CRY 20073 RAE-2 VOLTAGE REGULATOR 220 VOLTS, 60 CYCLES, SINGLE PHASE; 2100 WATTS. SUPPLIES POWER TO TYPE CRY-20071 CRY-20072 POWER UNITS & THREE RAB SERIES RECEIVER POWER UNITS. USES (8) -886 VACUUM TUBES. (46022)	7/22/38 NOV. 41	T-602841-501
CBM 20061 OC-6;QC-6A POLARIZING RECTIFIER	11/17/37 NOV. 41	55RE20F1025A	CAY 20066 CRY-50064 COPPER OXIDE RECTIFIER 12.3 VOLTS D.C. - 0.8 AMPS.	4/4/38 NOV. 41	S#849589 CRY:K-856242 REV 0	CEA 20074 CXX RECTIFIER. (RUNWAY RANGE BEACON SIGNAL CONVERTER). COPPER OXIDE RECTIFIER & CALIBRATED REED FILTER UNIT TO PASS 72 & 96 CYCLES.	7/28/38 NOV. 41	3227-2X

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11/17/37	571H			4/4/38	S#849589			7/28/38	3227-2X	
NOV. 41				NOV. 41				NOV. 41		

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RA-20075	XAE	RA 68F 202	RA-20082	XAJ		CNA 20090	RAS&RAM		
RECTIFIER POWER UNIT; FURNISHES POWER FOR TYPE RA-46067 RECEIVER. 110 TO 120 VOLTS, 60 CYCLES, SINGLE PHASE.			RECTIFIER POWER UNIT. SUPPLIES POWER FOR TYPE RA-43004 UNI-CONTROL UNIT & RA-55037 RANGE INDI- CATOR & CYRO COMPASS UNIT.			RECTIFIER POWER UNIT INPUT: 110 TO 120 VOLTS, SINGLE PHASE, 50 TO 60 CYCLES, 70 WATTS OUTPUT: 6.2 VOLTS, 3.4 AMPS AC & 240 VOLTS 70 MA DC FOR RACK MOUNTING.			
7/28/38			5/12/39		SKETCH	10/12/39			
NOV. 41			NOV. 41			NOV. 41			
CG-20076	TBC-2		CG-20083	GO-5		CNA 20090-A	*SEE BELOW		
AUXILIARY RECTIFIER.			RECTIFIER OPERATES FROM 120 V. - 600 TO 800 CYCLES PROVIDES POWER FOR -52117 & 52118 TRANSMITTERS. INCLUDES A BUILT-IN CRYSTAL CALIBRATOR.			RECTIFIER POWER UNIT INPUT: 115/230, 1Φ, 50 TO 60 CYCLES, 0.77 0.35 AMPS, OUTPUT 240 VOLTS AT 70 MA AND 6.2 VOLTS AT 3.4 AMPS, SAME AS -20090 EXCEPT FOR DUAL VOLTAGE OPERATION.			
10/18/38	4MR4A1		6/20/39	ML-7660680			*FOR USE WITH RAS SERIES		
NOV. 41			NOV. 41			12/16/43	BM-115	F-477	
CG-20077	TBC-2		CAY 20094	TBW		FEB. 45		REV 0	
MAIN RECTIFIER INPUT: 230 VOLTS, 3 PHASE, 60 CYCLES OUTPUT: 15000 VOLTS, 7.5 AMP, DC.			RECTIFIER MODULATOR UNIT: INPUT 115/1/600 5.5 AMPS AND 12 VOLTS DC 5.4 AMPS, OUTPUT 2000 VOLTS DC AT .175 AMP AND 5000 VOLTS DC AT .200 AMP AND FILAMENT SUPPLY FOR TRANSMITTER 12 VOLTS DC, 5.0 AMPS. (SEE CAY:T-7606097 REV 1 FOR CASE).			CAY 20091			YB, YC, YD
10/18/38	4MR5A1		7/26/39		W-7300375 REV 1	10/24/39	S#971236	CAT. 27-460	
NOV. 41			MAR. 43		T-7606097 REV 1	NOV. 41		6/28/37	
CRP 20078	* SEE BELOW		CCT 20085	RBM.-1.-2		RW-20092	DT-1		
RECEIVER AMPLIFIER POWER SUPPLY, A PART OF C&M-20060.			RECTIFIER POWER UNIT: INPUT: 115 VOLTS, 25 CYCLES, 0.73 AMP, 80 WATTS, OUTPUT: 205 VOLTS DC AT 76 MA, AND 12 VOLTS, 25 CYCLES AT 2.9 AMPS.			VIBRATOR POWER UNIT. INPUT: 5 TO 8 VOLTS, 3.2 AMPS DC, OUTPUT: 170 VOLTS, 40 MA DC.			
* -20060 (NM-9 & NM-9a).			3/26/42		CCT:T-7607986	11/24/39			
10/25/38	W-1856	CBM-724-5A	AUG. 42		SUB 0	NOV. 41			
NOV. 41			CCT 20086	RBM.-1.-2		RW-20093	DY	RW 20F 101A	
CG-20079	GO-4		RECTIFIER POWER UNIT: INPUT: 115 VOLTS, 60 CYCLES, 0.73 AMP, 80 WATTS, OUTPUT: 205 VOLTS AT 76 MA, AND 12 VOLTS 60 CYCLES AT 2.9 AMPS.			VIBRATOR POWER UNIT INPUT: 5 TO 8 VOLTS OUTPUT: VOLTS AMPS DC.			
RECTIFIER POWER UNIT. INCLUDES A -740?? CRYSTAL CALIBRATOR.			3/26/42		CCT:T-7607986	11/24/39			
12/6/38	ML-7660714, G-1	T-7660783 REV 1	AUG. 42		SUB 0	NOV. 41			
NOV. 41			CBM 20087	WAA		CG-20094	DY		
CAG 20080	LP		POLARIZER SIMILAR TO -20069 EXCEPT FOR OPERATION FROM 115 VOLT 3 PHASE 60 CYCLES.			BATTERY CHARGER 110 VOLTS, 60 CYCLE, SINGLE PHASE SUPPLY CAPABLE OF CHARGING ONE TO SIX 6V BATTERIES IN SERIES AT 6 AMPS.			
RECTIFIER POWER UNIT: 115 VOLTS, 60 CYCLES, SINGLE PHASE, 1.25 AMPS, 42 WATTS, POWER INPUT APPROX 40 WATTS INCLUDING VOLTAGE REGULATOR, OUT- PUT 6 VOLTS AC AT 1.7 AMPS AND 125 VOLTS, 40 MA.			8/8/39	571P	CBM DWG. SK	11/24/39			
12/9/38			NOV. 41		-4388A ALT 0	NOV. 41			
NOV. 41			CAY 20088	TBK-9		CKD 20095	* SEE BELOW	REISAS88A	
CFD 20030-A	LP-5		RECTIFIER POWER UNIT RATED 10 MA, 10 VOLTS DC.			RECTIFIER POWER UNIT INPUT: 110/115/120 VOLTS 50 TO 62 CYCLES AC, OUTPUT: 180 VOLTS AT 40 MA DC, 105 V. - AT 15 MA DC, 6.3 V. - AT 3.6 AMPS DC.			
RECTIFIER POWER UNIT INPUT 115/1/60, 1.25 AMPS, 42 WATTS, OUTPUT 200V DC AT 0.040 AMPS; 6V AC AT 1.7 AMPS, SIMILAR TO TYPE -20080 EXCEPT FOR IMPROVED TUBE SOCKETS AND OTHER MINOR INTERNAL CHANGES, ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH -20030.			9/22/39	S#899749	M-7407365-1		* FOR USE WITH REA & RFA.		
10/14/44			NOV. 41		SUB 1	12/1/39			
NOV. 41			CHA 20089	RAS		NOV. 41			
20081	XAJ		RECTIFIER POWER UNIT INPUT 110 TO 120 VOLTS, SINGLE PHASE, 25 CYCLES, 70 WATTS, OUTPUT: 6.2 VOLTS 3.4 AMPS AC & 240 VOLTS 70 MA DC; FOR RACK MOUNTING.			CRM 20096			RAZ
POLARIZING RECTIFIER PROJECTOR POWER SUPPLY; FOR OPERATION FROM 440 VOLTS, 3 PHASE, 60 CYCLES.			5/12/39		SKETCH	10/12/39			
NOV. 41			NOV. 41			NOV. 41			
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	

RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CRP 20097 -20087(WAA)
CONTROL RECTIFIER POWER
SUPPLY: INPUT: 115 V. L.S., SINGLE PHASE,
60 CYCLES. OUTPUT: 100 VOLTS DC AT
.250 AMP. USES ONE -83 VACUUM TUBE.
FURNISHES BIAS FOR DRIVER AMPLIFIER
TUBES AND VOLTAGE FOR KEYING RELAY.

1/6/40 M1868 CBM:571-351
JULY 43 ALT 0

CBM 20098 QCJ-14QCK-1 55RE20J1036A
CONTROL RECTIFIER POWER
SUPPLY. DUAL RECTIFIER; INPUT: 440
VOLTS SINGLE PHASE, 60 CYCLES. OUTPUT:
220 VOLTS FULL WAVE UNFILTERED DC (FOR
TRAINING MOTOR SHUNT FIELD) AND 0 TO ±
220 VOLTS HALF WAVE UNFILTERED DC (FOR
TRAINING MOTOR ARMATURE WINDING).
1/19/40 758E CBM DWG.
NOV. 41 6918 ALT 0

SIMILAR TO NAVY TYPE CBM20098
-23119C.

CBM 20098-A QCJ-1a, QCK-1a
TRAINING CONTROL RECTIFIER
UNIT: SAME AS -20098 EXCEPT IS MODI-
FIED BY ADDING A 2-STAGE PREAMPLIFIER
WITH ADDED TERMINALS BY REPLACING 2
LIMITING RESISTORS IN PLATE CIRCUIT OF
DOUBLE DIODE TUBE, BY DISCONNECTING 2
FILTER CONDENSERS & REMOVING GROUNDS
12/1/43
OCT. 44

CBM 20098-A
CIRCUIT OF THE DOUBLE DIODE TUBE.

CBM 20099 *SEE BELOW 55RE20J1034A
CONTROL RECTIFIER POWER
SUPPLY.
SAME AS NAVY TYPE -20098 EXCEPT FOR
MODIFICATION TO TERMINAL PANEL AND FUSE
VALUES TO PERMIT OPERATION FROM EITHER
220 V. OR 440 V., SINGLE PHASE, 60 CYCLE
* QCA-1, QCB-2, QCJ-3, QCL-1 & 2.
1/19/40 758G 6966 ALT 0
JULY 43

SIMILAR TO TYPE -20211. CBM20099

CBM 20099-A *SEE BELOW
TRAINING CONTROL RECTIFIER
UNIT: SAME AS -20099 EXCEPT IS MODI-
FIED BY ADDING A 2-STAGE PREAMPLIFIER
WITH ADDED TERMINALS BY REPLACING 2
LIMITING RESISTORS IN PLATE CIRCUIT OF
*QCA-1a, QCB-2a, QCL-1a, QCL-2a, QCL-3a,
QCN-1a, QCO-a, WA3-a, WAC-a, QCJ-4a
12/1/43
OCT. 44

CBM 20099-A
DOUBLE DIODE TUBE, BY DISCONNECTING 2
FILTER CONDENSERS & REMOVING GROUNDS
FROM GRID CIRCUIT OF THE DOUBLE DIODE
TUBE.

CRY 20100 QCJ-2 & QCL 10RE 20J1442A
RECEIVER AMPLIFIER POWER
UNIT: INPUT 110 VOLTS 60 CYCLES.
OUTPUT 275 VOLTS DC. WEIGHT 47 LBS.

1/30/40 M1-8933 CRV:W-303088
JUNE 42 SUB 19

CRY 20101 QCJ-2, & QCL 10RE20J1443A
POLARIZER POWER UNIT:
INPUT 440 VOLTS, 3 PHASE, 60 CYCLES AND
100 VOLTS, 1 PHASE, 60 CYCLES.
OUTPUT 60 VOLTS, 7 AMP ERES DC. 180 LBS

1/30/40 M1-8934 CRV:W-303244
JUNE 42 SUB 6

CG-20102 QCJ-2&QCL 6RE20J1035A
CONTROL RECTIFIER POWER
UNIT: DUAL RECTIFIER. INPUT: 115 VOLTS
SINGLE PHASE AND 440 VOLTS, 3 PHASE, 60
CYCLES. OUTPUT: 220 VOLTS DC FOR TRAIN-
ING MOTOR SHUNT FIELD WINDING AND 0 TO
± 220 VOLTS DC FOR TRAINING MOTOR ARMA-
TURE WINDING.
1/30/40 CG:W-5937529
JUNE 42

CAY 20103 CU-7
RECTIFIER UNIT
POWER SUPPLY 120 VOLTS, 800 CYCLES AND
28 OR 14 VOLTS DC; OUTPUT: 2000 VOLTS
AT 175 MA AND 500 VOLTS AT 200 MA;
POWER CONSUMPTION 760 WATTS.

3/12/40 T-7606306 SUB 3
NOV. 41

CRR 20104 LM-6
RECTIFIER POWER UNIT
INPUT: 28 VA; 105/115/120 VOLTS SINGLE
PHASE 60 CYCLES; OUTPUT: 290 VOLTS AT
0.020 AMPS DC & 13.0 VOLTS AT 0.60 AMPS
AC. ALSO PROVIDES ITS OWN FILAMENT SUP-
PLY OF 6.3 VOLTS AT 0.3 AMP AC.
4/30/40 L-72304A
MAR. 43

CRR 20104-A LM-11
RECTIFIER POWER UNIT;
INPUT: 28VA; 105/115/120 V SINGLE PHASE,
60 CY. OUTPUT: 290 V AT 0.020 AMPS DC
AND 13.0 V AT 0.60 AMP AC. SAME AS BASIC
NUMBER EXCEPT LINE VOLTMETER HAS BEEN
REMOVED AND REPLACED WITH A PLATE WITH A
PILOT LIGHT.
4/2/45
JULY 43

CBM 20105 *SEE BELOW 55RE20J1445A
PROJECTOR POLARIZER
INPUT: 220-440 VOLTS, 3 PHASE, 60
CYCLES.

* NM-14a & NM-16.
7/24/40 571Q CBM DWG.
JUNE 42 6990 ALT 0

CBM 20106 JL-9
RECTIFIER POWER UNIT
INPUT: 115 VOLTS, SINGLE PHASE, 60
CYCLES. OUTPUT: 1.1 AMP AT 75.5 VOLTS;
0.09 AMPS AT 350 VOLTS DC AND 6.3 VOLTS,
60 CYCLES.

9/5/40 605C CBM DWG.
NOV. 41 60019 ALT 0

CDE 20107 YC
RECTIFIER MODULATOR UNIT
INCLUDES A RECTIFIER POWER UNIT FOR
FINAL PA OF THE LOCALIZER TRANSMITTER AS
WELL AS THE MODULATOR UNIT WHICH DIVIDES
THE OUTPUT OF THE LOCALIZER TRANSMITTER
INTO TWO CHANNELS, EACH OF WHICH ARE
MECHANICALLY MODULATED; ONE AT 90
9/23/40 2476 REV 0
NOV. 41

CYCLES & THE OTHER AT 150 CDE20107
CYCLES. ALSO INCLUDES A COMMUNICATION
TRANSMITTER RATED 15 WATTS-2 TO 16 MC
CW(A1) OR PHONE (A3).

CG-20108 TBC-3
AUXILIARY RECTIFIER
INPUT: 230 VOLTS, 3 PHASE, 60 CYCLES;
OUTPUT: 1.1A AT 4400VDC, 0.4A AT 2200
VDC, 0.47A AT 500 VDC, 0.47A AT 500 VDC,
0.1A AT 115 VDC.

9/27/40 4MR481 P-7762787
NOV. 41 REV 0

CDE 20109 CXX.ZA
LOCALIZER SIGNAL
CONVERTER WITH MOUNTING BASE. CONSISTS
OF TWO T PAD FILTERS (ONE TO PASS 90
CYCLES AND THE OTHER TO PASS 150 CYCLES)
AND A DUAL TRIODE RECTIFIER.

10/3/40 CDE:2297
NOV. 41 ALT 2

CDE 20109-A YD-1
LOCALIZER SIGNAL CONVERTER
WITH MOUNTING BASE; CONSISTS OF TWO T
PAD FILTERS (ONE TO PASS 90 CYCLES AND
THE OTHER TO PASS 150 CYCLES), AND A
DUAL TRIODE RECTIFIER. SAME AS -20109
EXCEPT RESISTOR R-202 IS SHORTED OUT AND
R-203 IS CHANGED FROM 55000 OHMS TO
117/41
MAR. 42

20000 OHMS, 20000 OHM CDE 20109-A
RESISTOR SUPPLIED AS AN ACCESSORY.

CRY 20110 TBT
MAIN RECTIFIER UNIT
INPUT: 115 VOLTS SINGLE PHASE, 60
CYCLES. OUTPUT: 12 VOLTS 3/4 AMPS DC.
10/7/40
NOV. 41 PX-271899 REV 0

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 20—Electrical Machines

3.20-7

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	
CG-20111 TBC-3 MAIN RECTIFIER UNIT INPUT: 230 VOLTS, 3 PHASE, 60 CYCLES; 311 AMPS. OUTPUT: 15,000 VOLTS 7.5 AMPS DC. SAME AS -20077 EXCEPT FOR SLIGHT CHANGE IN CONTACTORS.	10/14/40 4HR5B NOV. 41	P-7762809 REV 0	CNA 20119 RAC-1 RM 20F 1038 RECTIFIER POWER UNIT. INPUT: 115 VOLTS, SINGLE PHASE, 60 CYCLES, 70 WATTS; OUTPUT: 6.3 VOLTS, 3.4 AMPS, 60 CYCLES AND 240 VOLTS 70 MA DC.	2/4/41 NOV. 41		CNA 20125 RBJ RECTIFIER POWER UNIT INPUT: 230 VOLTS SINGLE PHASE 60 CYCLES 70 WATTS. OUTPUT: 6.2 VOLTS, 3.4 AMP AC AND 240 VOLTS 70 MA DC. FOR RACK MOUNTING.	6/18/41 JUNE 42		
CW-20112 UB & UB-1 RECTIFIER POWER SUPPLY INPUT: 25 AMPS AT 220 VOLTS, SINGLE PHASE, 60 CYCLES; OUTPUT: 2.5 AMPS AT 200 VOLTS DC, 0.8 AMPS AT 800 VOLTS DC AND 1.0 AMP AT 2500 VOLTS DC.	11/6/40 NOV. 41		CRM 20120 TCO-1 RECTIFIER POWER UNIT: INPUT: 115/1/60. 350 VA. OUTPUT 115/1/60 .5 AMP AND 630 VOLTS DC .23 AMP.	2/7/41 MAR 43	CRM:KS-101 SUB 0	CDE 20126 YD-1 LOCALIZER TRANSMITTER MODULATOR UNIT. INCLUDES A RECTIFIER POWER UNIT FOR THE FINAL P A OF THE LOCALIZER TRANSMITTER AS WELL AS THE MODULATOR UNIT WHICH DIVIDES THE OUTPUT OF THE LOCALIZER TRANSMITTER INTO TWO CHANNELS, EACH OF WHICH ARE MECHANICALLY 7/18/41 JULY 43	CDE:2985 REV 1		
CG-20113 TBC-3 AUXILIARY RECTIFIER INPUT: 440 VOLTS, 3 PHASE, 25 CYCLES. OUTPUT: 1.1A AT 440V. DC, 0.4A AT 2200 V DC, 0.47A AT 500 V. DC, 0.47A AT 500 V DC, 0.1A AT 115 V. DC. SIMILAR TO 20108 EXCEPT FOR 440 VOLTS 25 CYCLES OPERATION	11/28/40 4HR4B2 NOV. 41	P-7763140 REV 0	CRM-20120-A TCO-3 RECTIFIER POWER UNIT: INPUT 115/1/60, 350 VA. OUTPUT: 115/1/ 60, 0.5 AMPS AND 630 VOLTS DC, 0.23 AMPS. SAME AS NAVY TYPE -20120 EXCEPT USES HERMETICALLY SEALED TRANSFORMERS AND SOME JAN RESISTORS.	5/4/45 JUN. 45	KS-101 SUB 0	MODULATED; ONE AT 90 CYCLES AND THE OTHER AT 150 CYCLES. ALSO INCLUDES A COMMUNICA- TION TRANSMITTER RATED AT 15 WATTS FROM 2 TO 16 MC, CW OR MCW. SAME AS 20107 BUT WITH A COLLINS 52 Q TRANSMITTER MOUNTED ON TOP. SIMILAR TO NAVY TYPE -20162.	CDE 20126		
CRV 20114 RAK-5 RECTIFIER POWER UNIT INPUT: 110/115/120 VOLTS SINGLE PHASE 60 CYCLES. SAME AS NAVY TYPE CRV-20036A EXCEPT DESIGNED FOR 25 CYCLES.	11/13/40 NOV. 41		CG-20121 TCG AUXILIARY RECTIFIER INPUT: 230 VOLTS, 18/25/25 AMPS., 3 PHASE, 60 CYCLES. OUTPUT: 2250/1125 VOLTS, 2.5/0.5 AMPS, 1000/500 VOLTS, 0.250/0.500 AMPS, 130 VOLTS, 2 AMPS.	3/31/41 4HR4C1 NOV. 41	P-7763592 SUB 0	CG-20127 TCC-1 AUXILIARY RECTIFIER OUTPUT 2250/1125 V, 2.5/0.5 AMP, 1000/ 500 V, 0.250/0.500 AMP, 130 V, 2 AMP, INPUT 440/3/25, 9.5 AMP AND 220/1/25, 7 AMP.	8/11/41 4HR4C2 DEC. 41	P-7763592 REV 0	
CG-20115 TBC-3 MAIN RECTIFIER INPUT: 440 VOLTS, 3 PHASE, 25 CYCLES. OUTPUT: 15,000 V. DC AT 7.5 AMP. SIMILAR TO 20111 BUT FOR 440 VOLT 25 CYCLE OPERATION. INPUT CURRENT 162.5 AMP.	11/28/40 4HR5B2 APR. 42	CG:P7763141 REV 2	CG 20121A TCC-2 AUXILIARY RECTIFIER: SAME AS BASIC NUMBER EXCEPT INCLUDES CONVERSION KIT TO ENABLE OPERATION FROM 50 CYCLES.	1/18/43 4HR4C3 MAR. 43	CG:P-7763592 REV 2	CBM 20128 NOS-82715 55RE 20J 1039 VOLTAGE AND SPEED REGULATOR; WILL HANDLE A MAXIMUM SHUNT FIELD RATING OF GENERATOR AND/OR MOTOR NOT TO EXCEED 3 AMP OR 250 WATTS. VOLTAGE REGULATOR (GENERATOR) RATED AT 120 VOLTS ± 2% DC. SPEED REGULATOR (*MOTOR) RATED FROM 175 TO 335 V DC. 9/9/41 829A DEC. 41	CBM:60070 A SUB 0		
CHA 20116 DY-2&DAA VIBRATOR POWER UNIT INPUT 6.3 VOLTS. NOMINAL DC OUTPUT VOLT- AGE AT THE MAXIMUM RATED LOAD OF 80 MA., 275 VOLTS. PREFERRED RECTIFIER TUBE IS THE METAL 6 X 5 HOWEVER, THE GLASS TYPE 6 X 5GT CAN BE SUBSTITUTED.	12/13/40 VIBRAPACK 68275 B-44337 AUG. 44		CG 20122 TCM,TCMSTCU RECTIFIER POWER UNIT: INPUT 115 VOLTS, SINGLE PHASE, 60 CYCLES OUTPUT 1300 VOLTS AT .35 AMP DC, 500 VOLTS AT .425 AMP DC, AND 50 VOLTS AT .4 AMP DC. SAME AS -20070 EXCEPT HAS ALUMI- NUM CASE WITH REMOVABLE PANELS.	5/1/41 4HR3C1 NOV. 41	P-7763466 REV 0	CRV 20129 DP-16 AC RECTIFIER POWER UNIT OPERATES FROM 110 TO 115 V, 25 CYCLES, 0.4 AMP, OUTPUT 100 V AT 0.03 AMP AND 6.1 V AT 3.3 AMP.	10/27/41 MAR. 42	K-388586 SUB 2	
CRY 20117 CXAX POLARIZER & JUNCTION BOX: CONSISTS OF SELENIUM RECTIFIERS WITH APPROPRIATE FILTER TO FURNISH DC POLAR- IZING CURRENT FOR PROJECTOR, 110 V AC INPUT. OUTPUT 20 TO 100 V IN STEPS OF 20 V. RATED LOAD AT 40 V IS 4 AMPS. IN- PUT AT THIS LOAD IS 5 AMPS, AT 110 VOLTS 12/19/40 NOV. 41	12/19/40 NOV. 41	KX-380088 REV 1	CW-20123 FA & FB COPPER OXIDE RECTIFIER INPUT VOLTAGE 18 VOLTS RMS MAX.; OUTPUT: CURRENT 75 MADC MAX. AT 40°C AND 12 VOLTS MAX.	5/15/41 17A VARISTOR NOV. 41	LA-700666 ISSUE 6	CRV 20130 * SEE BELOW RECTIFIER POWER UNIT INPUT 110/115/120 V (SELECTED BY PROPER TAP, 60 CYCLES, AT 0.97/0.93/0.89 AMP, 100 WATTS ± 10%. OUTPUT 6.3 V AC AT 5.4 AMP, 17 V AC AT 0.6 AMP, 105 V DC AT 5 MA, 200 V DC AT 78 MA. * R3A, R8A-1, R8B, R83-1, R8C, R8C-1. 12/1/41 MAR. 42	MX-243079 REV 0		
CRV 20118 CXAX,NEA RECEIVER - INDICATOR POWER SUPPLY. OPERATES FROM 110 VOLTS, 60 CYCLES, SINGLE PHASE. OUTPUT: 250 VOLTS DC AT 0.130 AMPS.	1/29/41 MI-8965 NOV. 41	W-303375-1 SUB 1	CG-20124 * SEE BELOW RECTIFIER UNIT. INPUT: 115 VOLTS, 0.3 AMP, SINGLE PHASE, 60 CYCLES. OUTPUT 135 VOLTS AT 10 MA DC 90 VOLTS AT 5 MA DC, MINUS 15 VOLTS & MINUS 6 VOLTS BIAS AND 3 VOLTS AT 360 MA DC. * EL (TBX SERIES). 6/5/41 4MY25A1 NOV. 41	6/5/41 4MY25A1 NOV. 41	M-7465453 REV 1	20131 RAK-6, RAL-6 RECTIFIER POWER UNIT INPUT (BALLAST TUBE OUT) 110/115/120 VOLTS, 60 CYCLES, 0.55/0.52/0.5 AMP (BALLAST TUBE IN) 110/115/120 VOLTS, 60 CYCLES, 2.1/2.0/1.9 AMP. OUTPUT (BALL- AST TUBE IN OR OUT) 6.2 VOLTS AC AT 2 AMP, 90 VOLTS AT 1 MA DC, 180 VOLTS AT 1/13/42 CHD: JULY 43	CRV:M-422341 SUB 0		

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED
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NAVSHIPS 900,109

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35 MA DC. (SAME AS CRY-20056A EXCEPT FOR ADDITIONAL SHIELDING AND FILTERING TO REDUCE SUPER-FREQUENCY INTERFERENCE.)		CRY20131	CCT 20137	RBH, 1 & 2 RECTIFIER POWER UNIT FOR OPERATION FROM 115/1/25, 0.73 AMP FULL LOAD. OUTPUT 12 VOLTS AC AT 2.9 AMP, 205 VOLTS DC AT 76 MILLIAMPS.		CLG 20144		ELECTRICAL AND MECHANICAL EQUIVALENT OF A TYPE -19018A BATTERY.
			3/25/42 APR. 42		CAY:T-7607986 SUB 0			
CMX-20131-A RAK-8, RAL-8 RECTIFIER POWER UNIT INPUT (BALLAST TUBE OUT) 110/115/120 VOLTS, 60 CYCLES, 0.55/0.52/0.50 AMP. (BALLAST TUBE IN) 110/115/120 VOLTS, 60 CYCLES, 2.1/2.0/1.9 AMPS. OUTPUT: (BALLAST TUBE IN OR OUT) 6.2 V AC AT 2 AMPS, 90 VOLTS AT 1 MA DC, 180 VOLTS AT 4/2/43 NOV. 43			CCT 20138	RBH, 1 & 2 RECTIFIER POWER UNIT FOR OPERATION FROM 115/1/60, 0.73 AMP FULL LOAD. OUTPUT 12 VOLTS AC AT 2.9 AMP, 205 VOLTS DC AT 76 MILLIAMPS.		CLG 20145	TBY SERIES BATTERY CHARGER: VIBRATOR TYPE, NON-SYNCHONOUS. INPUT: VOLTS 120C/240C/400C/1100C/110AC 50 TO 60 CYCLES OR 220AC 50 TO 60 CYCLES. AMPS -10/7/4.3/1.6/2.2/1.1 (ON AC, 1.0PF) OUTPUT: 6 VOLTS DC AT 10 AMP. CHARGE RATE IS CONTROLLED BY MEANS OF A VARIABLE 4/24/43 S-1073 NOV. 43	
			3/25/42 APR. 42		CAY:T-7607986 SUB 0			
35 MA DC. SAME AS BASIC NUMBER EXCEPT FOR SUBSTITUTION OF AWS COMPONENTS AND BRASS FOR STEEL IN CHASSIS, BRACKETS, ETC.		CMX-20131-A	20139	LF-R RECTIFIER POWER UNIT 115/1/60 INPUT, 200 WATTS. OUTPUT 6.3/250 VOLTS DC.		CLG 20145		RESISTOR IN OUTPUT CIRCUIT; USED WITH THIS EQUIPMENT TO CHARGE A 4 VOLT TYPE CLG-19029 BATTERY.
			5/26/42 (RA)(RM) JUNE 42					
CG-20132 SG COPPER OXIDE RECTIFIER: RATED 5 MA AT 3 VOLTS DC, 3/8" DIA. X 5/8" LONG WITH 17/32" TERMINALS AND HAS A 4-48 TAPPED HOLE IN ONE END FOR MOUNTING.			CG-20140	*SEE BELOW RECTIFIER POWER UNIT: INPUT 115/1/60, 560 WATTS. OUTPUT 49.6 VOLTS DC. FOR ITEM P2 AND P3.		CNA 20146	*SEE BELOW VIBRATOR POWER UNIT: INPUT: 6.3 VOLTS, 3.2 AMPS DC, 20 WATTS. OUTPUT: 165 VOLTS, 50 MA DC, WEIGHT 11 POUNDS. INCLUDES VIBRATOR XFORMER TUBE RECTIFIER AND SINGLE SECTION FILTER.	
1/18/42 3125223 OCT. 42		CG:K-4802848 SUB 0		*UHF REMOTE CONTROL CIRCUITS 4/10/42 X-636048 MAR. 43 LIST 1				*FOR USE WITH RBJ AND RBT SERIES 4/27/42 CNA:686-B MAR. 43
CRY 20133 OT RECTIFIER POWER UNIT: INPUT 117 V, SINGLE PHASE, 60 CY, 3.3 AMPS. OUTPUT 3.2 VOLTS AC, 8 AMPS, AND 1000/750 VOLTS DC, .2 AMP. THE OUTPUT CONNECTION IS A 6-WIRE MALE FLANGE MOUNTING CONNECTOR AMPHENOL TYPE AN-3102 -22-20 P EXCEPT CONTACTS C,E,J ARE OMITTED. 1/27/42 AUG. 42		CRY:M-421677 SUB 0	CM 20141	*SEE BELOW RECTIFIER POWER UNIT: INPUT 115/1/60, 560 WATTS. OUTPUT 130 VOLTS DC FOR ITEM P2 AND P3		CBM 20147	GENERAL UNS VOLTAGE REGULATOR: GENERATOR SHUNT FIELD CONNECTED TO 115 VOLT DC LINE VIA THIS REGULATOR. FOR GENERATOR RATED AT 440/3/60, 7-1/2 TO 8 KVA. OUTPUT VOLTAGE CONTROLLED TO ± 5% FROM NO LOAD TO FULL LOAD, AND WITH EXCITATION VOLTAGE VARYING ± 10% FROM NORMAL. 5/6/42 924B AUG. 42	
				*UHF REMOTE CONTROL CIRCUITS. 4/10/42 X-63604A MAR. 43 LIST 1				
CAN 20134 QFA RECTIFIER POWER UNIT INPUT 115/1/60.			CM 20142	*SEE BELOW RECTIFIER POWER UNIT: INPUT 115/1/60. OUTPUT 24 VOLTS DC, 1.6 AMPS. FOR ITEM P1, P2, P3.		CBM 20147		ELECTRONIC TYPE.
2/13/42 APR. 42				*UHF REMOTE CONTROL CIRCUITS 4/10/42 J-86205F MAR. 43 LIST 1				
CEY 20135 CX80 RECTIFIER POWER UNIT INPUT 115 VOLTS, 1 PHASE, 60 CYCLES.			CM 20143	TDG RECTIFIER POWER UNIT: INPUT 115/1/60, 3.5 AMPS, 180 WATTS. OUTPUT 6.3 VOLTS AC, 9.4 AMPS, 32 VOLTS DC, .28 AMPS AND 350 VOLTS, .41 AMP. UNIT ALSO INCLUDES 32 VOLT BRIDGE CONNECTED TO SELENIUM RECTIFIER.		CFT 20148	YA-1 RECTIFIER POWER UNIT: INPUT 110-120/1/60, .65 AMP, 65 WATTS. OUTPUT 50 VOLTS, .6 AMP.	
3/13/42 APR. 42				4/12/42 D-150416 MAR. 43				5/8/42 109A NOV. 43 109B
CRY 20136 RBP RECTIFIER POWER UNIT INPUT 110 TO 120/220 TO 240 VOLTS, 50/60 CYCLES, SINGLE PHASE, 250 WATTS. OUTPUT 400 MA AT 125 VOLTS DC, 14 VOLTS DC (FOR BIAS), 25 AMP AT 8 VOLTS AC.			CLG 20144	TBY SERIES VIBRATOR POWER UNIT: FOR OPERATION FROM 4 VOLTS DC AT 2.5 AMPS AVERAGE. OUTPUT: 156 VOLTS AT 15 TO 35 MA DC MAX, 3 VOLTS AT 310 TO 360MA DC 1.5 VOLTS AT 190MA DC, AND MIN. 7.5 VOLTS AT 30 MA DC. THIS UNIT PLUS ONE TYPE CLG-10929 STORAGE BATTERY IS THE 4/24/43 S-1001 NOV. 43		CRP 20149	RAW-2 VOLTAGE REGULATOR: INPUT 95 TO 130 VOLTS SINGLE PHASE, 60 CYCLES. OUTPUT 120 WATTS AT 115 VOLTS AC ± 0.5%.	
3/15/42 OCT. 42		CRY:M-7570-A SUB 0						5/18/42 VR-3 OCT. 42

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CCS 20150 PD RECTIFIER POWER UNIT: INPUT: 110/115/120 VOLTS, SINGLE PHASE, 58 TO 62 CYCLES, 3 AMPS, 300 WATTS. OUTPUT: 6.3/6.5 VOLTS, 5/1.5 AMPS AC AND 260 VOLTS, .30 AMPS DC.	5/22/42 JULY 43		CFT 20154 DAK, -1, DAK RECTIFIER POWER UNIT: (FOR AUTOMATIC BEARING INDICATOR); IN- PUT: 115/1/60, 4.5 AMPS, 518 WATTS. OUTPUT: -800/-650/-160/-135 VOLTS DC, 0.0015 AMP DC TOTAL, 6.3/115 VOLTS AC, 0.6/4.5 AMPS AC.	6/15/42 AUG. 42		CIT 20161 SG RECTIFIER SELENIUM: FULL WAVE RECTIFIER, INPUT: 162 V RMS, 60 CY. OUTPUT: 300MA MAX DC, 118 VOLTS DC.	7/10/42 MAR. 45	CIT:3B9CV1 CABR:2805-C-1 CABR:280S1 ISS C
CCS 20150A PD-1 RECTIFIER POWER UNIT: INPUT 110/115/120 VOLTS, SINGLE PHASE, 60 CY, 3 AMPS, 300 WATTS. OUTPUT 6.3 VOLTS, 5 AMPS AC, 6.3 VOLTS 1.5 AMPS AC AND 260 VOLTS .3 AMPS DC. SAME AS BASIC NAVY TYPE EXCEPT HAS HOLD DOWN BRACKETS IN REAR OF CHASSIS AND USES NAVY APPROVE 1/5/43 8-369A CCS:14.13	JULY 43		CBM 20155 QFB RECTIFIER POWER UNIT (FOR SHIP AND TARGET CONTROL UNIT): INPUT 115/1/60 AT 1.85 AMPS AND 178 WATTS OUT- PUT: 230 V DC AT .210 AMP.	6/21/42 JULY 43	CBM:910 CBM:SK-5386 ALT 0	CDE 20162 YD-2 LOCALIZER RECTIFIER MODULATOR UNIT: OPERATES FROM 115/1 /60, 13.6 AMPS, INCLUDES A RECTIFIER POWER SUPPLY FOR FINAL PA OF LOCALIZER TRANSMITTER, ALSO INCLUDES MODULATOR WHICH DIVIDES THE OUTPUT OF LOCALIZER TRANSMITTER INTO TWO CHANNELS EACH OF	7/11/42 NOV. 43	CDE:2985 REV 0
CCS 20150A COMPONENTS.			CIL 20156 ASB-4 SELENIUM RECTIFIER: OUTPUT: 24 VOLTS DC, 0.35 AMP. INPUT: 33 V AC UP TO 400 CYCLES. TREATED TO WITHSTAND CONTINUED OPERATION IN MOIST CLIMATE AT AN AMBIENT TEMPERATURE OF 57° C. THE RECTIFIER DIMENSIONS ARE 3-3/16" LONG, 1-3/4" WIDE AND 2" HIGH (APPROX) 6/25/42 4 B 3 CMI AUG. 42			CDE 20162 WHICH IS MECHANICALLY MODULATED, ONE AT 90~, THE OTHER AT 150~. HAS A COMMUNI- CATION TRANSMITTER COLLINS 560 (15 WATTS, 2 TO 16MC, CW OR MCW), SAME AS CDE-20126 EXCEPT HAS DIFFERENT MOTOR IN MODULATOR WITH DIFFERENT MOUNTING DIMENSIONS.		
CG-20151 TBC-4 AUXILIARY RECTIFIER: INPUT: 230/3/60, 18/25/25 AMPS. OUTPUT: 4400 V DC AT 1.1 AMPS, 2200 V DC AT 0.4 AMP, 500 V DC AT 0.47 AMP, 115 V DC AT 0.1 AMP. SIMILAR TO CG-20109 BUT WILL OPERATE ON 50 CYCLES AFTER CONVERSION KIT IS INSTALLED.	5/23/42 JULY 43	CG:4MR483 CG:P-7765904 REV 0	MOUNTING CENTERS -2-3/4" CIL 20156 APART.			CDE 20162A YD-2 LOCALIZER-RECTIFIER- MODU- LATOR UNIT: SAME AS BASIC NUMBER -20162 EXCEPT HAS DIFFERENT TIME DELAY RELAY (CAY-29069) WHICH HAS DIFFERENT MOUNTING DIMENSIONS, RELAYS AND ENTIRE UNITS ARE OTHERWISE ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE.	2/9/43 MAR. 44	CDE:2985 REV 0
CG-20151-A TBC-5 AUXILIARY RECTIFIER: INPUT: 230/3/60, 18/25/25 AMPS. WILL OPERATE ON 50~ AFTER CONVERSION KIT IS INSTALLED. OUTPUT: 4400 V DC AT 1.1 AMPS 2200 V DC AT 0.4 AMP, 500 V DC AT 0.4 AMP, 115 V DC AT 0.1 AMP. SAME AS CG-20151 EXCEPT HAS DIFFERENT RELAY AND	5/26/43 JULY 43	CG:4MR4E1 CG:P-7765904 REV 0	CFT 20157 DAJ RECTIFIER POWER ASSEMBLY: CONSISTS OF ONE CFT-20158, ONE CFT-20159 AND ONE CFT-20160 RECTIFIER POWER SUPPLY	7/1/42 JULY 43	CFT:7-37058-2 ISSUE A	CWI 20163 NXS-8466 RECTIFIER UNIT: INPUT: 115/1/800, OUTPUT: 400 V, 60 MA DC, 6.3 V AC, 2.0 AMPS.	7/18/42 AUG. 42	
CG-20151-A 2 ADDITIONAL FUSES.			CFT 20158 DAJ RECTIFIER POWER UNIT: INPUT: 115/1/60, 1.1 AMPS, 127 WATTS. OUTPUT: 250 V DC, 0.126 AMP AND 6.3 V AC, 2.25 AMPS (CATHODE FOLLOWER).	7/1/42 JULY 43	CFT:F-37057-2 ISSUE A	CMA 20164 NXS-4803 VIBRATOR POWER UNIT: INPUT 5.75 VOLTS DC, 21 AMPS. OUTPUT 300 VOLTS, .2 AMP. INTERMITTENT 300 VOLTS, .160 AMPS CONTINUOUS. DUAL UNIT. EMPLOYS TWO VIBRATORS AND TWO RECTIFIER TUBES. BUILT-IN 12 AMP FUSE.	7/20/42 MAR. 43	VP-5558
CG-20152 TBC-4 MAIN RECTIFIER: INPUT: 230/3/60, 311 AMPS. OUTPUT: 15000 VOLTS DC AT 7.5 AMPS, SIMILAR TO CG-20111 BUT WILL OPERATE ON 50 CYCLES AFTER CONVERSION KIT IS INSTALLED	5/28/42 NOV. 43	CG:4MR583 CG:P-7764716 REV 1	CFT 20159 DAJ RECTIFIER POWER UNIT: INPUT: 115/1/60, 1.65 AMPS, 190 WATTS. OUTPUT: VOLTS:- 50/125/250/380 DC 6.3/ 115 AC. AMPS:-0.01/0.001/0.06/0.05/7.5/ 1.65. (RECEIVER).	7/1/42 JULY 43	CFT:F-36142-2 ISSUE A	COA 20165 MS RECTIFIER-VIBRATOR POWER UNIT: FOR OPERATION FROM 115/1/60 AND INCLUDES VIBROPACK FOR 6 VOLT DC OPER- ATION.	7/21/42 AUG. 42	
CNA 20153 RBT, RBT-1 RECTIFIER POWER UNIT: INPUT: 115-125/1/50-60, 0.4 AMP, 40 W OUTPUT: 180 VOLTS DC, 35 MA AND 6 VOLTS AC, 3 AMPS, 170 VOLTS 50 MA, 6.3 VOLTS. INCLUDES INPUT TRANSFORMER, RECTIFIER, AND TWO SECTION FILTER.	6/11/42 MAR. 43	CNA:D-734	CFT 20160 DAJ RECTIFIER POWER UNIT: INPUT: 115/1/60, 1.6 AMPS 190 WATTS. OUTPUT: VOLTS:- 800/-650/-160/-135 DC, 6.3/115 AC. AMP 0.0015 TOTAL, 0.6/1.15 (A.B.1)	7/1/42 JULY 43	CFT:F-37056-2 ISSUE A	CGZ 20166 * SEE BELOW VIBRATOR POWER UNIT: OPERATES FROM 6 V DC, OUTPUT 200 V, 40 MILS, CONTAINS FILTER AND IS SHIELDED. INCLUDES 8 FOOT CABLE AND MATING PLUG FOR LP SERIES (6 ELEMENT PLUG SIMILAR TO H.B. JONES PLUG MODIFIED BY GENERAL * EN28/700-43/SHIPS, FOR USE WITH LP-2 8/5/42 P-157 P-157-C2 OCT. 42 SUB 0		

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
RADIO CO.)		CGZ 20166	CMA 20173	GENERAL USE VIBRATOR POWER UNIT: INPUT 6.3 VOLTS DC. 5.5 AMPS MAX. HAS 4 POSITION OUTPUT VOLTAGE SWITCH FOR 125/150/175/200 VOLTS. 20/30/40/50 MA DC. 100 MA MAX CURRENT OUTPUT ON ALL TAPS. INCLUDES ONE MALLORY TYPE 325 VIBRATOR AND ONE 6 X 5 RECTIFIER TUBE. HAS FILTER CIRCUITS 10/7/42 CMA:VP-553 CATALOG APR. 43		CRP 20178	CX8X RECTIFIER POWER UNIT: INPUT 115/1400. OUTPUT 4000/240/105/-255/-360 VOLTS DC. 11/10/42 APR. 43	M-3F-W40 SUB A
CAY 20167	TAB-6 RECTIFIER POWER UNIT: INPUT 220/440/350 TO 60. 24.2/12.1 AMP. 8.3 KW. OUTPUT 2.2 AMPS AT 2500 VOLTS DC. .3 AMP AT 1000 VOLTS DC. .5 AMP AT 230 VOLTS DC. BY RECONNECTION OF THE CHOKE LINKS TO PROVIDE BETTER FILTERING THE 2300 VDC OUTPUT CURRENT DROPS TO A 8/6/42 DL-7502447-G1 M-7408658 JULY 43	SUB I	20173	FOR VIBRATOR WASH ONLY. WEIGHT APPROX 4.75 POUNDS. FIRST PURCHASE NXSS-18274		CBM 20179	SF-2 CONTROL RECTIFIER: INPUT 115/1400, 1.6 AMPS AT 175 WATTS. OUTPUT 115 VOLTS PULSATING DC, 0 TO ±.6 AMP. RANGE OF INPUT CONTROL VOLTAGE AND CURRENT IS 0 TO .25 VOLTS AND 0 TO 1.01 MA. SAME AS TYPE -20175 EXCEPT HAS ADDITIONAL AMPLIFIER TUBE. 3/15/43 915A CBM:SK-5365 APR. 43	ALT I
		CAY 20167	CBM 20174	QCS QCT 55RE 20J1148A POLARIZER-LINE TRANSFORMER: INCLUDES A GENERAL PURPOSE LINE TRANSFORMER IN ADDITION TO POLARIZER (RECTIFIER). POLARIZER INPUT 440/360, 520 VA 700 WATT; POLARIZER OUTPUT 70 VDC AT 450 WATTS. TRANSFORMER INPUT 440/1760, 850 VA. TRANSFORMER OUTPUT 115/1760, 750 VA. 10/8/42 571R CBM:60195 ALT 0 MAR. 44		CNA 20190	RCE RECTIFIER POWER UNIT: INPUT 230/1750 TO 60. OUTPUT 6.3 VOLTS AC, 3.4 AMPS, 240 VOLTS AT 70 MA. 11/12/42 SPU-697-230V CNA:E-902 JULY 43	
			CBM 20175	SF CONTROL RECTIFIER: INPUT 115/1400, 1.6 AMPS, 175 WATTS. OUTPUT 115 VOLTS PULSATING DC, 0 TO ±.6 AMP. RANGE OF INPUT CONTROL VOLTAGE AND CURRENT IS 0 TO .25 VOLTS AND 0 TO 1 MA. SAME AS TYPE -20179 EXCEPT HAS ONLY ONE AMPLIFIER TUBE AND SAME AS TYPE -20223 10/14/42 915 SK-5365 ALT 1 JULY 43		CHL 20181	MT VIBRATOR-DYNAMOTOR POWER UNIT: INPUT 12 V, 10 AMPS DC. OUTPUT 250 V, 70 MA DC AND 350 V, 165 MA DC. CONSISTS OF ONE EICOR DYNAMOTOR TYPE 3415 (12 V), ONE MALLORY VIBRAPACK TYPE VPC556 AND ONE MALLORY VIBRATOR C725. ALSO INCLUDES FILTER CIRCUITS IN BASE. 11/17/42 CHL:71X074 CHL:92D092 APR. 43	ISSUE 0
RA-20168	DAR RECTIFIER POWER UNIT: INPUT 115/1760, 0.8 AMP, 90 WATTS. OUTPUT +180 V 100 MA DC; -27 V 2MA DC. -330 VOLTS 1 MA DC, 6.3 V 3.5 AMP AC. IN-ONE 504-G AND ONE 6X5 -GT VACUUM TUBES. 8/17/42 JULY 43		EXCEPT FREQUENCY.	CBM 20175		CHL 20181-A	MT-2 VIBRATOR-DYNAMOTOR POWER UNIT INPUT: 12V, 10 AMP3 DC. OUTPUT: 250V 70 MA DC AND 350V 165 MA DC. CONSISTS OF ONE CARTER DYNAMOTOR TYPE 3518-B (12 VOLT) AND ONE OAK TYPE 6291 VIBRATOR SUPPLY AND ONE OAK TYPE V-6456 VIBRATOR. ALSO INCLUDES FILTER CIRCUITS IN BASE. 3/25/44 1X074 CHL:92 DO 92 AUG. 44	ISSUE A
						CHL 20181-A		
CFT 20169	DAQ RECTIFIER POWER UNIT: INPUT: 115/1760, 3.6 AMP, 238 WATTS. OUTPUT: 1600DC/115AC/115AC AT 0.0015/0.98/2.3 AMP. 8/29/42 CFT: SPEC RF-951-2A NOV. 43 NUS-51					CHL 20181-A		
			CBM 20176	SF VOLTAGE REGULATOR: DESIGNED FOR USE WITH TYPE -21947 AC GENERATOR IN TYPE -21945 MOTOR-GENERATOR SET. OPERATES BY INCREASING FIELD EXCITATION UPON INCREASE IN LOAD. WILL MAINTAIN TYPE -21947 OUTPUT VOLTAGE AT 115 VOLTS ±1% FROM NO LOAD TO FULL LOAD WITH 10/14/42 904 SK-5364 ALT 1 APR. 43		20176		
RA-20170	IBD RECTIFIER POWER UNIT: INPUT: 115/1760. 9/4/42 OCT. 42					CGQ 20182	DAP VIBRATOR POWER UNIT: INPUT 6.3 VOLTS, 5.0 AMPS. SUPPLIES POWER TO TYPE -46177 RECEIVER. OUTPUT: 200V DC. 50MA. 11/21/42 NOV. 43	
RA-20171	IBD RECTIFIER POWER UNIT: INPUT: 115/1800. 9/4/42 OCT. 42							
			CG 20177	GENERAL USE CONTROL RECTIFIER POWER UNIT INPUT 440/3760, 2.2 KVA. OUTPUT 440/3760 2 KVA TO TYPE CG-21730 MOTOR-GENERATOR-DYNAMO AMPLIFIER SET AND 230 VOLTS DC AT .1 AMP TO FIELD OF TYPE CG-21527 DC GENERATOR. FIRST PURCHASE NOS-69556 LOF 1-1/16 10/29/42 CRY:NI-8935-A CRY:W-305822-6 APR. 43		20183	MARK 11 RECTIFIER POWER UNIT: INPUT 110/1760, 4.55 AMPS, 401 WATTS. OUTPUT 110/1760, 1.88 AMPS, 176 WATTS. 6.3/1760, 3 AMPS, 16 WATTS; 10,000 V DC AT .0085 AMP; 1400 V DC AT .0075 AMP; 600 V DC AT .0035 AMP. INCLUDES A TIME DELAY RELAY TO PROVIDE DELAY OF ONE 11/26/42 CRY:1-18074 A SEE PLATE 2 APR. 43 CG:44512A1	

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		20183	CIA 20188	RBF-1		CAY 20195	TBL-10.-11	
		MINUTE BETWEEN APPLICATION OF FILAMENT AND PLATE VOLTAGES. ALSO CONTAINS ANOTHER RELAY OPERATED BY SWITCHES ON CONTROL INDICATOR UNIT TO ENERGIZE TRANSFORMER PRIMARIES AND BLOWER MOTOR.						
		⊖ CRV:P-721462-1; CG:P-7765244 SUB 0 SUB 0						
		20183-A MK 26 MOOS 1 & 2 RECTIFIER POWER UNIT. SAME AS -20183 EXCEPT FOR REPLACEMENT OF 2 X 2 TUBE BY A 3B24 TUBE AND AN INCREASE IN THE THICKNESS OF THE INTERCONNECTING JACK BOARDS FROM 1/4" TO 3/8".						
		9/23/43 CRV:HI-18074B CRV:P-727217-1 AUG. 44 CG: SUB 1						
		CMA 20184 GENERAL USE VIBRATOR POWER UNIT: INPUT 5.75 TO 6.3 V, 21 TO 19.2 AMPS DC. OUTPUT 300 V DC, 160 MA MAX CONT., 200 MA MAX INTERMITTENT, 2 HRS MAX ON, 1 HR. MIN OFF. DUAL VIBRATOR USING 2 MALLORY TYPE 825 VIBRATORS, 2-024 RECTIFIER TUBES AND 2 BUILT-IN JAG (12 AMPS) FUSES 11/26/42 VP-555 CATALOG APR. 43						
		Chl.: 922206 REV 0						
		20184 INCLUDES FILTER CIRCUITS FOR AUDIO AND RF VIBRATOR HARM. RIPPLE APPROXIMATELY 1-1/2% AT MAXIMUM LOAD. APPROX WEIGHT 12-3/4 POUNDS. SIMILAR TO NAVY TYPE CMA-20164 EXCEPT CMA-20164 IS OF BETTER DESIGN. FIRST PURCHASE NXSS-18274						
		CMD 20185 ARD-1 RECTIFIER POWER UNIT: INPUT: 110/1/60, 35 WATTS. OUTPUT: 6.3/1/60, 3.75 AMPS; AND 185 V, 45 MADC. PRODUCTION EQUIPMENT OF, AND DIFFERS FROM RA-20132 IN THAT THE FULL WAVE RECTIFIER WITH CHOKE CIRCUIT HAS BEEN CHANGED TO ELIMINATE A GENERATED PULSE 12/2/42 FA3-WJ4 CMD:1D3 REV 0 JULY 43						
		CMD 20185 IN THE CHOKE INPUT CIRCUIT WITH RESULTING VOLTAGE DECREASE.						
		COI-20186 JR RE 13A67D RECTIFIER POWER UNIT: INPUT: 105 TO 130/1/60, 1.1 AMPS, 130 WATTS AT 115V INPUT. OUTPUT: ADJUSTABLE 170 TO 230V DC 180 MA CONTINUOUS DUTY. 350 MA INTERMITTENT DUTY. FIRST PURCHASE NXSP-15641.						
		12/4/42 MAR. 44						
		COI:214L & 214N ISSUE 2						
		RW 20187 JR RECTIFIER POWER UNIT: INPUT 110/1/60, 200 WATTS MAX. OUTPUT 110 V, .15 AMP DC (FOR EXTERNAL RELAYS), 115 V, .175 AMP DC (FOR SWITCHING UNIT RELAYS) AND 6 V, .40 AMP AC (FOR SWITCHING UNIT INDICATOR LAMPS). USES 2 TYPE #85 RECTIFIER TUBES. P.O. 366/43 12/9/42 APR. 43						
		CIA 20188 RBF-1 HV RECTIFIER UNIT: INPUT 105 TO 120/1/50 TO 60, 5.7 AMPS, 600 WATTS AND 150 VOLTS, .48 AMP DC, 72 WATTS DC. OUTPUT 105 TO 120/1/50 TO 60, .06 AMP; 150 VOLTS, .48 AMP DC; AND 270 VOLTS .88 AMP DC.						
		12/10/42 APR. 43						
		D5518.1A REV 3						
		CTJ 20189 TDM RECTIFIER POWER UNIT: INPUT 115/1/60, 2.15 AMPS, 225 WATTS, OUTPUT 130 V DC/175 MA, 385 V DC/85 MA, AND 6.3 V AC/3.2 AMPS AT 60 CYCLES.						
		12/18/42 APR. 43						
		ST-2099						
		CCI 20190 MO-1 VIBRATOR POWER ASSEMBLY: INPUT GVOC 45 AMPS OUTPUT 220 VOLTS DC. CONSISTS OF CHASSIS, RELAYS, CAPACITORS, FILTERS AND CHOKES. OPERATES WITH EITHER A -20191 VIBRATOR POWER UNIT OR A -21983 DYNAMOTOR.						
		1/2/43 APR. 43						
		CCI:1552F4.3 CCI:1552F4.3						
		CCI 20191 MO-1 VIBRATOR POWER UNIT: INPUT 6 VOLTS, 30 A DC. OUTPUT 600 VOLTS DC. FOR OPERATION WITH -20190 VIBRATOR POWER ASSEMBLY.						
		1/2/43 APR. 43						
		CBM 20192 ACCES.FOR NJ2 VOLTAGE REGULATOR: INPUT 10 WATTS AT 115 V, SINGLE PHASE, 60 CY. DESIGNED TO OPERATE WITH TYPE CLL-21985 MOTOR-GENERATOR UNIT. COMPRISES AN ELECTRIC CIRCUIT ACTUATED BY ALTERNATOR OUTPUT VOLTAGE; OPERATES BY CHANGING FIELD EXCITATION. HOLDS ALTERNATOR AT 115 VOLTS 1/2/43 927 SK-5461 ALT 1 APR. 43						
		20192 ± 5% FROM NO LOAD TO FULL LOAD WITH THE EXCITATION VOLTAGE VARYING ±10%.						
		CCI 20193 MO-1 VIBRATOR POWER ASSEMBLY: INPUT 12 VDC 27.5 AMPS OUTPUT 220 V DC. CONSISTS OF CHASSIS, RELAYS, CAPACITORS, FILTERS, AND CHOKES. OPERATES WITH EITHER A -20194 VIBRATOR POWER UNIT OR A -21984 DYNAMOTOR.						
		1/2/43 SEPT 43						
		CCI 20194 MO-1 VIBRATOR POWER UNIT: INPUT 12 VOLTS DC. OUTPUT 600 VOLTS DC. FOR OPERATION WITH -20193 VIBRATOR POWER ASSEMBLY.						
		1/2/43 APR. 43						
		CAY 20195 TBL-10.-11 RECTIFIER POWER UNIT: INPUT 220/440/3/50 TO 60, 10.6/5.3 AMPS, 3.7 KW. OUTPUT 2000 VOLTS DC AT 0.7 AMP, 1000 VOLTS DC AT .2 AMP, 250 VOLTS DC AT 0.5 AMP, 110/1/60 AT 6.2 AMPS.						
		1/19/43 APR. 43						
		OL-75002566 G1 M-7409412 SUB 0						
		COL 20196 TDM RECTIFIER POWER UNIT: INPUT: 230/3/50-60, 30 AMP, 10KW. (THIS INCLUDES POWER DEMAND OF THE COL-50129 & COL-52291). OUTPUT VOLTAGES: 115/1/60, 230/3/50-60, 4000DC, 2000DC, 5000DC, -200C, -480C, -500C, -1000C, -2500C, -10000C. 1/20/43 1100C-1 NOV. 43						
		425E REV 0						
		CBM 20197 SF-2 VOLTAGE REGULATOR: DESIGNED FOR USE WITH TYPE -21996AC GENERATOR. OPERATES BY INCREASING FIELD EXCITATION UPON INCREASE IN LOAD; WILL MAINTAIN TYPE -21996 OUTPUT VOLTAGE AT 115 VOLTS ±1% FROM NO LOAD TO FULL LOAD WITH ±5% SPEED REGULATION. INPUT 35 1/23/43 904A SK-5364 ALT 1 APR. 43						
		20197 WATTS. .32 AMP AT 115/1/400. SIMILAR TO -20176 EXCEPT THAT RELAY WHICH CLOSED THYRATRON PLATE CIRCUIT ONLY, NOW CLOSSES THE THYRATRON PLATE CIRCUIT, INDICATOR PLATE AND TRANSMITTER PLATE CIRCUITS AT THE SAME TIME. MECHANICALLY INTERCHANGEABLE WITH -20176.						
		CAY 20198 MK 12 RECTIFIER-COPPER-OXIDE: .018 AMP. MAX FORWARD CURRENT, 116 VOLTS RMS MAX BACK VOLTAGE.						
		2/2/43 APR. 43						
		CAT:791834-A CW:3A-10018-1 ISSUE 2						
		CAT 20199 QBC-1 RECTIFIER POWER UNIT: INPUT: 115/1/60, 0.75 KVA. OUTPUT: 250 V 1.0 AMP DC. CONSISTS OF A PHASE CONTROLLED THYRATRON CIRCUIT FOR SUPPLYING THE ARMATURE OF THE SEA UNIT MOTOR AND A FULL WAVE HIGH VACUUM RECTIFIER FOR SUPPLYING THE FIELD CIRCUIT. 2/5/43 JULY 43						
		2/5/43 APR. 43						
		CW:0-97966 CW:ESL-618139 ISSUE 11						
		CW 20200 MARK 9 COPPER OXIDE RECTIFIER: INPUT 4.5 VOLTS RMS, .02 AMP. OUTPUT .008 AMP AT 3 VOLTS, MAX AMBIENT TEMP 40.5° C. EACH OF THE SIX PLATES ARE TAPPED. EMPLOYS COMMERCIAL DISCS.						
		2/5/43 APR. 43						
		CW:D-99136 CW:ESL-618139 ISSUE 11						
		CW-20200-A MARK 9 COPPER OXIDE RECTIFIER: SAME AS BASIC NUMBER EXCEPT EMPLOYS SELECTED DISCS WHICH GIVE A SUPERIOR DC BALANCE.						
		2/5/43 APR. 43						
		CW:D-99136 CW:ESL-618139 ISSUE 11						

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED
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NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CW 20201 MARK 9
SELENIUM RECTIFIER: (HALF WAVE). INPUT 195 VOLTS RMS, 0.01 AMP. OUTPUT 200 MILIAMPS DC. AMBIENT TEMP RANGE 32° F TO 130° F. COMPRISED OF 20 SELENIUM DISCS ASSEMBLED ON A STUD.

2/5/43 CW:D-162837 ESL-639131
DEC. 44 ISSUE 1

CW 20202 MARK 9
COPPER OXIDE RECTIFIER:
OUTPUT 24 VOLTS, .05 AMP, 1.2 WATTS IN AMBIENT TEMP NOT EXCEEDING 105° F. CONSISTS OF 32 COPPER OXIDE DISCS. INPUT 36 VOLTS, .06 AMP, 2.2 WATTS.

2/5/43 CW:D-161871-0 CW:LA-701627
APR. 43

CZV 20205 PD-1
COPPER OXIDE RECTIFIER;
VARIABLE. INPUT 2.9 VOLTS AC MAX. OUTPUT 10 MA, .04 WATTS. MAX BACK VOLTAGE 5.0 V. 1/2 WAVE RECTIFIER.

* CCS:8-208; CZV:5048 TYPE B-1 ELECTROX 1/2 W. RECTIFIER UNIT
2/8/43 * SEE ABOVE CZV:D-159 REV 0
JULY 43

CTJ 20204 *SEE BELOW
RECTIFIER POWER UNIT
INPUT: 110/115/220 VOLTS, 50 TO 60 CYCLES. OUTPUT: 12.7 V AC AT 1.2 AMPS. DC & 225 VOLTS AT 0.10 AMP.

*ACCESSORY FOR "RBD"
2/13/43
APR. 43

CTJ 20205 *SEE BELOW
RECTIFIER POWER UNIT
INPUT: 110/115/220 VOLTS, 50 TO 60 CYCLES. OUTPUT: 12.75 VOLTS AT 2.82 AMPS DC. 260 VOLTS AT 0.0815 AMPS DC & 510 VOLTS AT 0.162 AMPS DC.

*ACCESSORY FOR "TCX"
2/13/43
APR. 43

CLG 20206 T8Y-5 RE8934
RECTIFIER POWER UNIT
INPUT: 110 VOLTS AC, 50 TO 60 CYCLES. SINGLE PHASE, OR 110 VOLTS DC. OUTPUT: +3.0 VOLTS AT 375 MADC; ±1.5 VOLTS AT 200 MADC; +156 VOLTS AT 30 MADC; -7.5 VOLTS AT 20 MADC.
*NXSS-22910
2/17/43 S-1130
APR. 43

CLG 20207 GENERAL USE
VIBRATOR CONVERTER UNIT
INPUT: 12/24 VOLTS DC; 20/10 AMPS; 240/240 WATTS MAX. OUTPUT: 117 VOLTS, 60 CYCLES AT 75, 100, 125, 150, 175 WATTS & 0.95 TO 1.0 POWER FACTOR.
FIRST PURCHASE NXSS-20168 S-1173
2/23/43 S-1173
MAR. 44 FIG 7

CFT 20208 TDM
RECTIFIER POWER UNIT:
INPUT 220 V. 50/60 CT. 3 PHASE, 20 KW AT 90% PF. OUTPUT: 4250 V, 3.5 AMP DC, 2125 V, 0.72 AMP DC; 600 V, 1 AMP DC; 300 V, 0.5 AMP DC; 110 V, 1.5 AMP AC; & 220 V, 7.0 AMP DC.

2/26/43 CFT:115A CFT:F-22258-14
JULY 43 REV E

CFT 20208-A TDM-2.3.4
RECTIFIER POWER UNIT
INPUT: 200/220/240 VOLTS, 50-60 CYCLES 3 PHASE, 20 KW AT 90% PF. OUTPUT: 4250 VOLTS, 3.5 AMPS DC; 2125 VOLTS, 0.72 AMPS DC, 600 VOLTS, 1 AMP DC; 300 VOLTS, 0.5 AMPS DC; 110 VOLTS, 1.5 AMPS AC; 220 VOLTS, 7.0 AMPS AC. SAME AS -20208
9/15/44 115 A MODIFIED RC-5868-12A
DEC. 44 REV 0

CFT 20208-A
EXCEPT 12 TERMINAL SOCKET ADDED FOR LOW VOLTAGE & AN ADDITIONAL SOCKET ADDED FOR HIGH VOLTAGE.

CFT 20209 DAK-1
RECTIFIER POWER UNIT:
INPUT 115/1/60.
OUTPUT -800/-650/-160/-135 VOLTS DC, .0015 AMP DC TOTAL; & 6.3/115 VOLTS AC AT .6/4.5 AMP. ELECTRICALLY INTERCHANGEABLE WITH CFT-20154.

2/27/43
APR. 43

C88-20210 MK 19
RECTIFIER POWER UNIT:
INPUT 80 TO 115/1/60 & 115/1/60. CORRESPONDING OUTPUTS: 900-1300VDC UNFILTERED, & 1000VDC FILTERED. SIMILAR TO TYPE -20270.

3/5/43 (CW)D-151438 CW:80-15011
MAR. 44 ISSUE 1

CBM 20211 GENERAL USE
RECTIFIER POWER UNIT:
INPUT: 220 V. 40 V SINGLE PHASE, 60 CYCLES. OUTPUT 222 V FULL WAVE UNFILTERED DC & 0 TO 220 V 1/2 WAVE UNFILTERED DC. SIMILAR TO TYPE .20099 EXCEPT 1/3 HP INSTEAD OF 1/2 TRAILING MOTOR USED & FIRST PURCHASE NO-78964 LOT OF 2-7/8
3/8/43 758H 60255 ALT 1
APR. 43

CBM 20211
SEVERAL INTERNAL CHANGES.

CRY 20212 GENERAL USE
RECTIFIER POWER UNIT:
INPUT: 105 TO 125 V. SINGLE PHASE, 50 TO 60 CY. OUTPUT: 2700 VDC, 0.08 AMPS; 6.3 VAC, 2.5 AMPS. ALL COMPONENTS ARE MOUNTED ON A STEEL PANEL AND CHASSIS ASSEMBLY WHICH IS ENCLOSED IN A STEEL
FIRST PURCHASE NXSA-14846.
3/16/43 PART OF MI-18/09 TE-7293 SUB 3
JULY 43 H.F. SNEEP UCM

CRY 20212
CASE WITH HANDLE AND REMOVABLE LID.

CWT 20213 QBD RA23F234
CONTROL RECTIFIER POWER
SUPPLY: INPUT 120/1/60, 180 WATTS. OUTPUT: 90 VDC, 120 MA. CONSISTS OF A CURRENT REGULATING POWER SUPPLY CARRIED ON A MOVABLE CHASSIS WITH TRACKS AND PANEL FOR RACK MOUNTING.

3/16/43
JULY 43

CWA 20214 RBL-2
VIBRATOR POWER UNIT;
INPUT 6.3 V DC, 3.2 AMPS DC, 20 WATTS. OUTPUT 15 V, 50 MADC. SIMILAR TO TYPE -20146, SAME AS (CWA) TYPE 686 EXCEPT FOR IRON CORE CHOKE IN BATTERY LEADS & THE ADDITION OF A 500 MFD, 12 V ELECTROLYTIC CAPACITOR. THESE MODIFICATIONS REDUCE
3/19/43 686-S E-407
APR. 43

CNA 20214
VIBRATOR NOISES.

RA 20215 GENERAL USE
RECTIFIER POWER UNIT:
INPUT 110 V 400 TO 2400 CY. OUTPUT 300 V DC, 500 OR 750 VDC, 5, 6.3 & 10 V AC. POWER SUPPLY FOR 100 WATT TRANSFORMER. HAS THROUGH CABLE FOR 24 V DC. WEIGHT 40 LBS.

3/24/43
APR. 43

CW-20216 NX89-20953*
RECTIFIER POWER UNIT:
INPUT 108 TO 152 V, 1 PHASE, 50 TO 60 CY. OUTPUT 130 V DC, 0.8 AMP (REGULATION 3%-NO LOAD TO FULL LOAD) AND 6.6 V AC, 10 AMPS UNREGULATED. SUPPLIES HEATER CURRENT TO ALL UNITS OF CW-83000 EXCEPT *(AN/FGC-1A) CWA AND WC
4/1/43 CW:X-616808-1 CW:X-616600-B-1
AUG. 44 LISTS 1,2,4, 0 ISSUE 3

CW-20216
CW-25365. SUPPLIES 130 VOLT POWER TO ALL UNITS OF CW-83000 AND CW-50136. INPUT CURRENT OF THIS UNIT IS 2.1 AMPS AT *(AN/FGC-1A) 120 VOLTS AND THE INPUT VOLTAGE IS 225.

CW-20216-A AN/FGC-1B
RECTIFIER POWER UNIT
SAME AS NAVY TYPE -20216 EXCEPT HAS EXTRA OUTPUT FOR OPERATION OF NAVY TYPE CW-29416 RECEIVE RELAY UNIT. OPERATES IN NAVY TYPE CW-83000-A FREQ. MONITORING ASSEMBLY.

1/15/45 CW:X-616808
FEB. 45 L1,2,4, WA & WJ

CW-20217 NX89-20953*
RECTIFIER POWER UNIT:
USED TO SUPPLY POWER TO NAVY TYPE CW-35031 FREQUENCY SHIFT KEYS UNIT. OPERATES FROM 95 TO 125 V OR 190 TO 250 V, SINGLE PHASE, 50 TO 60 CY. OUTPUT APPROX 400, 250, 100 V DC AND 6.3 V AC. SIMILAR *(AN/FGC-1A)
4/1/43 CW:X-61790D-1 CW:X-61790D-1S1
AUG. 44 LIST 1 B-403453 ISS 2

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED
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Class 20—Electrical Machines

3.20-13

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CW-20217
TO NAVY TYPE CW-20230 EXCEPT FOR INPUT POWER FREQUENCY. INPUT CURRENT RATING OF THIS UNIT IS *(AN/FGC-1A) 1.2 AMPS AT 220 VOLTS AND THE INPUT WATTAGE IS 240.

CW-20222 MARK 12
RECTIFIER:
CONSISTS OF ONE SILICON CARBIDE DISC AND ASSOCIATED MOUNTING PARTS. MOISTURE RESISTANT. RATED INPUT VOLTAGE REQUIRED TO PASS 0.0002 AMPS IS 4.5 VOLTS. TEST VOLTAGE IS 500 VOLTS AC.

CAY20228
DELIVERING 115/1200/1500/3010 VDC AT 0.83/0.15/0.22/0.38 AMP; WILL TAKE 7.6/5.3 AMP DELIVERING 250/600/1500 CF 3000 VDC AT 0.49/0.15/0.13/0.385 AMP; WILL TAKE 8/4 AMP DELIVERING 250/1500/1500/3000 VDC AT 0.4/0.09/0.24/0.37 AMP

4/22/43 CW:D-164274 CW:ES-643812
SEPT 43 ISSUE 1

COL-20218 NXB-24759
RECTIFIER POWER UNIT:
INPUT: 115/1/50 OR 60. 260 WATTS AT .97 P.F. OUTPUT 400V DC. 0.2 AMPS; 225V DC 0.12 AMPS. 12.0V DC. 0.9 AMPS. 12.6V AC 3.5 AMPS. WHEN USED WITH ONE OF MODEL TCS SERIES IT PROVIDES ALL NECESSARY PLATES, FILAMENT, AND CONTROL POWER RE-4/15/43 COL:409M-5 254D
AUG. 44

CBM20223 MEA-3
CONTROL RECTIFIER:
INPUT: 115/1/60, 1.6 AMPS, 175 WATTS, OUTPUT: 115 VOLTS PULSATING DC. 0 TO ± 0.6 AMPS. RANGE OF INPUT CONTROL VOLTAGE AND CURRENT IS 0 TO 0.25 VOLTS AND 0 TO 1.0 MA. SAME AS TYPE -20175 EXCEPT FREQUENCY.
5/6/43 CBM:926 CBM:SK-5583
SEPT 43 ALT 0

CW-20229 QBF
COPPER OXIDE RECTIFIER:
CONSISTS OF TWO STACKS OF 3/4" OXIDIZED COPPER DISCS MOUNTED ON TWO INSULATING BASES. HAS TWO IDENTICAL SECTIONS (T,B) EACH CENTERAPPED WITH A TEMPERATURE RANGE OF 60° F TO 100° F AND CONNECTIONS ACROSS ANY HALF SECTION: THE CURRENT 6/3/43 CW:D-163128 CW:ESA-645288
SEPT 43 ISSUE 1

COL-20218
REQUIRED.

CTJ20224 *GEN USE RE 9017A
RECTIFIER POWER UNIT:
INPUT 105 TO 125 VOLTS, SINGLE PHASE, 50 TO 60 CYCLES. OUTPUT: 0 TO 300 V DC AT 150 MA DC AND 6.3 VOLTS AC. CENTER TAPPED POWER CONSUMPTION IS 170 WATTS. OUTPUT 45 WATTS.
*NXS 27144
6/15/43 K568 CTJ:PCK568-7
MAR. 44 REV 0

CW-20229
VARIES FROM 0.0016 TO 0.0048 AMPS MAX WITH 48 V DC APPLIED; OR, THE VOLTAGE VARIES FROM 2.65 TO 3.20V MAX TO PASS A CURRENT OF 0.04 AMPS.

CG-20219 TCK-4
RECTIFIER POWER UNIT:
INPUT: 110/220 VOLTS, SINGLE PHASE, 50 OR 60 CYCLES, 1.8KVA. OUTPUT: 1800 V DC AT 0.36 AMPS, 500 VOLTS DC AT 0.26 AMPS, 115 V DC AT 0.5 AMPS, AND 12 V DC AT 0.86 AMPS.

CRP20225 S0-1
RECTIFIER POWER UNIT:
INPUT: 115/1/400, OUTPUT: 4000/240/105/-225/-360 VOLTS DC. SAME AS TYPE -20178 EXCEPT TWO RESISTORS ADDED AND DIFFERENT TERMINAL ARRANGEMENT.

CW-20230 NX88-20953*
RECTIFIER POWER UNIT:
USED TO SUPPLY POWER TO NAVY TYPE CW-35031 FREQUENCY SHIFT KEYS UNIT. OPERATES FROM 95 TO 125 V OR 190 TO 250 V, SINGLE PHASE, 25 (25 TO 60) CYCLES. OUTPUT APPROX 400, 250, 100 V DC AND *(AN/FGC-1A)
6/3/43 CW:X-61790H1 CW:X-61790H1-L1
AUG. 44 LIST 1 B-405454 ISS. 2

4/15/43 CG:4MR14A1 CG:P-7765572
SEPT 43

5/27/43 WX-4831 M-3F-W40
AUG. 44 SUB B

CG-20220 CG:46ACQ
RECTIFIER POWER UNIT:
INPUT: 117/1/60, 0.9 AMP, 100 WATTS. OUTPUT: 6.4 V AC AT 4.5 AMP; 300 V DC AT 0.07 AMP.

CRP20226 S0
VOLTAGE REGULATOR:
BULKHEAD MOUNTING, IS SHOCK-MOUNTED AND DRIP-PROOF. SOLENOID COIL RATED 28 VOLTS 115MA, WITH RESISTANCE OF 250 OHMS. CARBON PILE RATED 26 VOLTS MAX. CARBON PILE RESISTANCE VARIES FROM 1.5 OHMS TO MAX. OF 30 OHMS. MAX. CARBON PILE LOSS IS 6/1/43 CRP:WX-5425 CRP:M-3D22-V205
SEPT 43 SUB B

CW-20230
6.3 VOLTS AC. SIMILAR TO NAVY TYPE CW-20217 EXCEPT FOR INPUT POWER FREQUENCY. THE INPUT CURRENT RATING OF THIS UNIT IS 1.2 AMP AT 220 VOLTS AND THE INPUT WATTAGE IS 240.

4/16/43 CG:DL-4W237A CG:T-41J256
SEPT 43 REV 0

CRF20221 *GEN USE RE 9096-A
VIBRATOR POWER SUPPLY:
INPUT 6 VOLTS, (FROM NAVY TYPE -19042 OR -19046). OUTPUT: 155 VOLTS, 67 1/2 V, 6 VOLTS AND 1.4 VOLTS DC.

CRP20226
40 WATTS IN FREE AIR.

CLG20231 DAG
VIBRATOR POWER UNIT:
SYNCHRONOUS VIBRATOR TYPE POWERED FROM AN INTEGRAL 2 VOLT, 20 AMP-HOUR LEAD-ACID STORAGE CELL WHICH IS IN A NON-SPELLABLE PLASTIC CASE, DRAIN FROM CELL: 1.3 AMP. OUTPUT: 1.5 V AT 400 MA DC, 7.5 V AT 0.1 MA DC, AND 85 V AT 20 MA
6/9/43 CLG:S-1124
SEPT 43

*FIRST PURCHASE: NX88-23697 (FOR USE WITH MP, MV, MW, MX, MAB)
4/19/43
SEPT 43

CRF20221-A *SEE BELOW RE 9096-A
VIBRATOR POWER SUPPLY
INPUT 6 VOLTS (FROM NAVY TYPE -19042 OR -19046) OUTPUT 155 VOLTS, 67 1/2 VOLTS, 6 VOLTS, AND 1.4 VOLTS DC. SAME AS BASIC NUMBER EXCEPT FOR ADDITION OF ANOTHER *FOR USE WITH MP, MV, MW, MX, MAB.
DAY, DAY-1
10/14/44
DEC. 44

CUO20227 GEN USE
RECTIFIER POWER UNIT:
INPUT: 115/1/50. OUTPUT 250 V 20 MILS DC, 6.3 VOLTS, 150 MILS AC. SUPPLIES POWER TO CUO-46205, 206,207, 212, 213, OR 214 RF TO IF CONVERTER.

CLG20231
DC. FRONT-OF-PANEL SWITCH PROVIDES FOR CHARGING CELL FROM EITHER 110 V 1 PHASE 60 CY OR FROM 6 VOLTS DC.

5/19/43
SEPT 43

CRF20221-A
FILTER CAPACITOR.

CAY20228 TBM-10/TBK-16
RECTIFIER POWER UNIT:
FOR OPERATION FROM 220/440/3/50/60. TAKES 12.6/6.3 AMP WHEN DELIVERING 275/1000/2000/3000 VDC AT 0.6/0.076/0.45/0.35 AMP OR SAME VOLTAGES AT 0.28/0.075/0.20/0.35 AMP. BY RECONNECTING UNIT WILL TAKE 8.2/4.1 AMP WHILE
5/21/43 CAT:M-7410045
SEPT 43 SUB 0

CG-20232 TCG-3
AUXILIARY RECTIFIER:
INPUT: 220/3/50 OR 60. 18/25/25 AMPS. OUTPUT: 2 AMPS AT 150 V DC, 0.25/0.5 AMPS AT 1000/500 VDC, 2.57/0.05 AMPS AT 2000/1000 V DC. INCLUDES CONVERSION KIT TO PERMIT 50 CY OPERATION. SIMILAR TO CG-20121 EXCEPT FOR CHANGE OF CONTROL
6/11/43 CG:4MR4F1 CG:P-7763592
SEPT 43 REV 2

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CIRCUIT. CG-20232

CRP 20238 SO-2
AUXILIARY RECTIFIER:
INPUT: 100-130/1/400. OUTPUT: 22 TO 30 VOLTS DC @ 4.5 AMPS. MAX. SUPPLIES POWER TO BLOWER MOTOR, ANTENNA MOTOR, SOLENOID, AND RELAYS.

CDE-20245 YC-3
LOCALIZER RECTIFIER-MODULATOR: INPUT 115/1/60 INCLUDES RECTIFIER POWER SUPPLY FOR FINAL PA OF LOCALIZER TRANSMITTER & POWER FOR NAVY TYPES CG-46116 AND COL-52245B INCLUDES MODULATOR WHICH DIVIDES THE OUTPUT OF THE LOCALIZER TRANSMITTER INTO TWO
8/25/43 CDE:3-1873A
MAR. 44

7/2/43 CRP:WX-5421 CRP:M-11H-V3
AUG. 44 SUB B

CG-20233 SM 17R2
VOLTAGE REGULATOR:
FOR USE WITH TYPE -211012 GENERATOR AND EXCITER WHICH ARE RATED 31.5KVA, 25KW 0.8PF, 1800 RPM, 440/3/60 AND 1.5KW, 1800RPM, 120 VDC RESPECTIVELY. A PART OF TYPE -211013 MAGNETIC CONTROLLER.

CEJ 20239 TDU
RECTIFIER POWER UNIT:
INPUT: 230/3/60, 30KW AND APPROX. 6500/3/60. OUTPUT 1300VDC WITH TAP FOR 600 V DC, 7000V AC AND 500V DC. TYPE NUMBER INCLUDES MODIFICATION KIT INCLUDING CONTACTOR COILS FOR 50 CY OPERATION.

CDE 20245
CHANNELS EACH OF WHICH IS MECHANICALLY MODULATED: ONE AT 90 - THE OTHER AT 150- SIMILAR TO CDE-20162 EXCEPT DOES NOT INCLUDE COMMUNICATIONS TRANSMITTER AND VOLTAGE REGULATOR TRANSFORMER. HIGH VOLTAGE SUPPLY VOLT-METER OMITTED. DUAL 115V 60- OUTLET ADDED TO FRONT PANEL.

6/12/43 CG:3GDA12C1 CG:HW-8009657
SEPT 43 REV 0

7/2/43 CRV:MI-7249-C P-718829
AUG. 44 SUB 0

CFT 20234 TL
SELENIUM RECTIFIER:
INPUT: 162 VAC MAXIMUM. OUTPUT: 110 VDC AT 280MA MAXIMUM AT 50°C.

CEJ 20240 TDU
RECTIFIER POWER UNIT:
INPUT: 115/1/50 OR 60. OUTPUT: 300 VDC.

COL-20246 YD-3
RECTIFIER POWER SUPPLY:
INPUT: 115/1/60, APPROX. 100 WATTS AT 85% PF. OUTPUT: 230 VOLTS AT 130 MA DC, 12 VOLTS AT 2.5 AMPS AC AND 12 VOLTS AT 0.3 AMPS DC.

6/25/43 CFT:4B9CV1 DATE SHEET
SEPT 43 FIG. 8

7/2/43 CRV:MI-19427B P-718819
AUG. 44 SUB 0

9/4/43 40-9H4 COL:494C-3
NOV. 43 D245A

CCT 20235 RBS
RECTIFIER POWER-AMPLIFIER
UNIT: INPUT: 115/1/60, 0.94 AMPS, 110 WATTS. OUTPUT: 12/1/60, 3.35 AMPS: 215.0 V, 0.07 AMPS DC: 265.0 V, 0.075 AMPS DC. AMPLIFIER OUTPUT: 8.0 WATTS, 600 OHMS. AMPLIFIER HAS PROVISION FOR ATTACHMENT TO TYPE -49155 LOUDSPEAKER.
6/28/43 D-5930 B-57C6
NOV. 43

CFT 20241 X-DAU, DAU
RECTIFIER POWER UNIT:
INPUT: 115/1/60. SAME AS CFT-20169 EXCEPT INCLUDES SCANNING CIRCUITS FOR 100KC EITHER SIDE OF RECEIVERS TUNED FREQUENCY (PANORAMIC ADAPTOR BUILT INTO THIS UNIT.) OUTPUT IS FED TO THE INDICATOR NAVY TYPE CFT-55092-B TO SHOW
7/9/43 CFT: SPEC
AUG 45 NUS-131

CRP-20247 SO-3
RECTIFIER POWER UNIT:
INPUT: 104 TO 127 VOLTS, SINGLE PHASE, 400 CYCLES OUTPUT: 105/105/300/-255 VOLTS DC AT 25/65/50/20 MA.

CCT-20235-A RBS-1
RECTIFIER POWER-AMPLIFIER UNIT
SAME AS -20235 EXCEPT THREE TAB TYPE RESISTORS HAVE BEEN REPLACED BY FERRULE TYPE RESISTORS.

CFT:20241
PANORAMIC SIGNALLING.

9/13/43 WX-5326 CRP:H-5F-W31
AUG. 44 SUB F

3/6/44
MAR. 44

CCT-20235-B RBS-2
RECTIFIER POWER-AMPLIFIER
UNIT: INPUT: 115/1/60 0.94 AMPS, 110 WATTS. OUTPUT: 12/1/60 AT 3.35 AMPS; 215 VOLTS AT 0.07 AMPS DC; 265 VOLTS AT 75 MA DC AMPLIFIER OUTPUT IS 8 WATTS, 600 OHMS. SAME AS -20235-A EXCEPT INCLUDES REMOVABLE PLATE FOR TABLE MOUNTING.
5/7/45 45331
JUN. 45

COL 20242 TCS-10
RECTIFIER POWER UNIT:
SUPPLY: 230/1/50 OR 60, 350 WATTS, 0.97 PF. OUTPUT: 450 V DC, 0.30 AMPS (OR 400 V DC, 0.16 AMPS) 225 V DC, 0.12 AMPS, 12 V DC, 0.90 AMPS AND 12.6 V AC, 3.5 AMPS. SAME AS COL-20218 EXCEPT FOR POWER SUPPLY.
7/16/43 COL:409M-6 COL:254D-3
AUG 43

CRP-20248 SO-3
VOLTAGE REGULATOR:
RATED VOLTAGE OF SOLENOID COIL: 6.2 DC: RESISTANCE 155 ± 1 OHMS DC: CURRENT 375 ± 25 MADC. LOSS RESISTANCE OF CARBON PILE AT LOWEST SETTING CONSISTENT WITH GOOD REGULATION IS 1.5 OHMS. APPROXIMATE MAXIMUM RESISTANCE OF CARBON PILE IS 20
9/13/43 CRP:WX-5430 CRP:M-5D-W113
NOV. 43 SUB A

CRV 20236 QCQ-2
RECTIFIER POWER UNIT:
INPUT: 115/1/60, 0.4 AMPS, THIS UNIT SUPPLIES EXCITATION TO THE FIELD OF THE TRAINING MOTOR BY USE OF A FULL WAVE SELENIUM RECTIFIER AND A DROPPING RESISTOR. ALSO INCLUDES LIMIT RELAY: & SELENIUM RECTIFIER FOR TRAINING STOPS.
7/1/43 CRV:MI-16754 CRV:M-306553-12
SEPT 43 SUB 0

CW-20243 OBC
POWER UNIT:
INCLUDES A MOTOR GENERATOR OPERATING FROM 110 VOLTS DC AND SUPPLYING 110 VOLTS AC. AN ADJUSTABLE TRANSFORMER FOR ADJUSTMENT OF AC LINE, AND A REGULATED RECTIFIER WHICH SUPPLIES HEATER VOLTAGE, +300, +150 AND -50 BIAS.
8/19/43 X-63637D-1 CW:X-63637D-1
NOV. 43 ISSUE 2A

CRP-20248
OHMS. VOLTAGE ACROSS CARBON PILE IS 20 TO 22 VOLTS DC. MAXIMUM PERMISSIBLE LOSS IN CARBON PILE IS 75 WATTS IN FREE AIR AT 20°C AMBIENT. REGULATOR IS ECLIPSE AVIATION MODEL 1, STYLE A, TYPE 1359. REPLACES -20226 WITH -211095.

CRP 20237 SO-2
RECTIFIER POWER UNIT:
INPUT: 115/1/400. OUTPUT: 105/105/240/-225/-360 V DC. SIMILAR TO TYPES -20178, -20225. CIRCUIT OF THIS UNIT IS IDENTICAL TO THAT TYPE CRP-20225 EXCEPT THAT RESISTORS R212 AND R213 ARE SHORTED BY JUMPERS.

CG-20244 OBE
RECTIFIER POWER UNIT:
OPERATES FROM 115 VOLTS SINGLE PHASE, 50 TO 60 CYCLES, 6 AMP, 85% PF. OUTPUT RATED AT 1250 V DC AT 0.5 AMP MAXIMUM AND 10 V AC AT 6.5 AMP.

CRV-20249 MAF
RECTIFIER POWER UNIT:
OPERATES FROM 105 TO 125 VOLTS, SINGLE PHASE, 50 TO 60 CYCLES, 0.8 AMP, 90 WATTS. OUTPUT: 250 DC (VOLTAGE REGULATED) /-500C/6.3AC (CURRENT REGULATED)/6.3AC VOLTS AT 50 MA/50NA/0.75 AMP/1.35 AMP. INCLUDES AN ON-OFF SWITCH AND FUSE.
9/16/43 MI-17147
AUG. 44

7/2/43 M-3F-W40
AUG. 44 WX-4830A SUB B

8/22/43 NL-7662991G1 CG:P-7765963
NOV. 43 REV 0

CRY-20249
SHOCKMOUNTED WITHIN A SPLASH-PROOF CONTAINER, CONNECTIONS TO IT ARE SPLASH PROOF.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 20—Electrical Machines

3.20-15

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CRY-20250 MAG
VIBRATOR POWER UNIT:
OPERATES FROM 6 VOLTS DC (THREE SIGNAL CORPS 27-2 TWO VOLT BATTERIES, ETC) AT 3.5 AMPERES. OUTPUT 6 VOLTS DC AT 1.50 AMP AND 250 VOLTS DC AT 25 MA. INCLUDES ON-OFF SWITCH, FUSE PROTECTION, CONTAINS SYNCHRONOUS VIBRATOR AND FILTERS. HOUSED 9/16/43 MI-17151
AUG. 44

CRY-20250
IN A SUBMERSIONPROOF CONTAINER.

CG-20251 CG-504DK
RECTIFIER POWER UNIT:
INPUT: 115/1/60, 1.6 AMP. 145 WATTS OUTPUT: 6.3AC/6.3AC/6.3AC/220DC/330DC/400DC /-15.5DC VOLTS AT 0.3/0.3/4.85/0.070/0.035/0.011/0 AMPERES.

9/16/43 DL4W345A
NOV. 43

CFT-20252 CFT-50149
RECTIFIER POWER UNIT:
INPUT: 115/1/60.
OUTPUT: 200 V DC AT 62 MA. 6.3 VOLTS AC AT 5.0 AMPS. USED TO SUPPLY POWER FOR CFT-50149 MULTIPLE COUPLING UNIT.

9/18/43
MAR. 44

RF-2013-14
ISSUE A

CRY-20253 QGB
POWER CONTROL UNIT:
SUPPLY: 110/1/60. CONSISTS OF VARIOUS POWER ON-OFF SWITCHES, HOIST-LOWER SWITCH, ASSOCIATED INDICATOR LAMPS AND 2 RECTIFIERS, ONE WITH A 300 V DC POSITIVE OUTPUT (TAPPED AT 150 V) AND THE OTHER WITH A 210 V DC NEGATIVE OUTPUT.
9/26/43 MI-16717 CRY:M-306807
NOV. 43 SUB 0

CRY-20254 QGB
RECTIFIER POWER UNIT:
SUPPLY: 110/1/60. CONSISTS OF A CABINET WHICH CONTAINS 2 BUILT-IN RECTIFIERS, ONE OF WHICH HAS A POSITIVE 120 V DC OUTPUT FOR SUPPLYING KEYING POWER AND THE OTHER A POSITIVE 60 V DC OUTPUT FOR ENERGIZING THE FIELD WINDING OF A DC MOTOR OF 9/26/43 MI-16721 CRY:M-306407
NOV. 43 SUB 0

CRY-20254
THE TRAINING MECHANISM.

CN-20255 TDV
RECTIFIER POWER UNIT:

10/5/43
NOV. 43

CYJ-20256 TDP
RECTIFIER-EXCITER UNIT:
105 TO 125 OR 210 TO 250 VOLTS. SINGLE PHASE. 60 CYCLE. INCLUDES PREAMPLIFIER.

10/6/43
NOV. 43

CDE-20257 TD-3
RECTIFIER & AUDIO AMPLIFIER
INPUT: 115/1/60. OUTPUT: 28/1/60 AT 1.25 AMPS AND 250V, 250 MA DC. INCLUDES AN AUDIO AMPLIFIER USING A 6Y6GT TO OPERATE FROM THE MODEL RAX RECEIVER OUTPUT TRANSFORMER COUPLED TO THE RECEIVER AND TO THE LOUDSPEAKER. AMPLIFIER RATED 10/7/43 B 1976A
FEB. 45 ALT 0

CDE-20257
2 1/2 WATTS OUTPUT INTO AN 8 OHM LOAD FROM AN INPUT LEVEL OF ZERO db.

CMA-20258 NK-5
VIBRATOR POWER UNIT:
INPUT: 6.3V DC, 8 AMPS. OUTPUT: 325V DC, 100MA. CONSISTS OF A RECTIFIER, TRANSFORMER AND A MALLORY TYPE 545C VIBRATOR. CONTAINS RF FILTERS IN A AND B SUPPLY TO REDUCE NOISE RADIATION.

10/12/43 6C 3250 CIP:ID-1078
NOV. 43 MODIFIED VP-552 ISSUE 1

CW-20259 MK-12
COPPER OXIDE RECTIFIER:
RATED AT .096 WATTS AT A MAXIMUM VOLTAGE AND CURRENT INPUT OF 18 VOLTS R.M.S. AND .020 AMPS. RMS. MAXIMUM OUTPUT VOLTAGE AND CURRENT IS 12 VOLTS DC. AND 0.15 AMPS DC. CONSISTS OF FOUR OXIDIZED COPPER DISKS BALANCED TO WITHIN ±3% OF 10/14/43 38A CW:ESA656440
NOV. 43 ISSUE 1

CW-20259
AVERAGE OF THE FOUR AT .000185 AMP. AT AN AMBIENT TEMP OF 40°C.

CG-20260 TCG-3, TBC-5
MAIN RECTIFIER:
SUPPLY: 230/3/60. OUTPUT: 15000 V DC AT 7.5 AMPS. WILL OPERATE ON 50 CYCLES AFTER CONVERSION KIT IS INSTALLED. SIMILAR TO CG-20152 EXCEPT FOR ADDITIONAL TERMINAL BOARDS AND MECHANICAL DESIGN CHANGES TO FACILITATE WIRING.
11/5/43 4 MR 501 CG:P-7766034
NOV. 43 REV 1

CMA-20261 08B
VIBRATOR:
SYNCHRONOUS VIBRATOR. INPUT 5 TO 8 VOLTS (MAX 7.5 AMPS). FREQUENCY 115±7 CPS. TIME EFFICIENCY 90%. EIGHT CONTACTS. SHUNT DRIVER. COIL RES. 40 OHMS 7 PRONG BASE REVERSIBLE IN SOCKET.

11/7/43 #725
MAR. 44

CFT-20262 NXSP-37248
RECTIFIER POWER UNIT:
INPUT: 115/1/60, 4.5 AMPS, 518 WATTS
OUTPUT: -800/-650/-150/-155V DC, 0.00015 AMPS DC TOTAL 6.3/115V AC, 0.6/4.5 AMPS. SAME AS CFT-20154 EXCEPT FOR CHANGES TO PERMIT REMOTE CONTROL AND IN FRONT PANEL.

11/9/43
NOV. 43

CW-20263 *SEE BELOW
RECTIFIER POWER UNIT
INPUT: 115/1/50 TO 60, 8 AMPS OUTPUT: 24 VOLTS DC, 10 AMPS. FULL WAVE REGULATED TUBE RECTIFIER. OUTPUT REGULATED WITH IN CLOSE LIMITS FOR ANY VOLTAGE BETWEEN 22 AND 30 VOLTS.
*FOR USE WITH RAM
11/12/43 PART OF X-66222A CW:3XX-401577
NOV. 43 ISSUE 2

CW-20263
INCLUDES NOISE SUPPRESSION FILTER.

RA-20264 WCA
RECTIFIER POWER UNIT
INPUT: 115/1/60. OUTPUT: 300/2000 VOLTS DC, 200/2 MA. PHYSICALLY SAME SIZE AS CBM-46061.

11/15/43
AUG. 44

CBM 20266 QGA
RECTIFIER POWER ASSEMBLY
SUPPLY: 115/1/60. CONSISTS OF 4 POWER SUPPLIES: (1) FOR -45251 BDI-RECEIVER; OUTPUT 6.3/1/60, 330V DC, 190V DC AND 300V DC. (2) FOR -46252 QC-RECEIVER; OUTPUT 6.3/1/60, 260V DC, 280V DC. (3) FOR CRO; OUTPUT 6.3/1/60 AND -175V DC.
12/14/43 956 60346
AUG. 44 ALT 0

CBM 20266
(4) FOR -55112 RECORDER; OUTPUT 6.3/1/60 AND 120V DC.

CBM 20267 QGA
TRAINING POWER SUPPLY
SUPPLY: 220 OR 440V, 3Ø, 60-. CONSISTS OF 3 ALMOST IDENTICAL UNITS WHICH SUPPLY CONTROLLED POWER FROM GRID CONTROLLED RECTIFIERS. TOP UNIT CONTROLS TILTING MOTOR, MIDDLE UNIT CONTROLS 30 KC PROJECTOR TRAINING MOTOR AND BOTTOM 12/14/43 980 60328
JAN. 44 ALT 0

CBM 20267
UNIT CONTROLS 14 KC PROJECTOR TRAINING MOTOR. ALSO INCLUDES TIME DELAY RELAYS, FUSES AND A TRANSFORMER.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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RESTRICTED

NAVSHIPS 900,109

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CBM-20267-A QGA-1
TRAINING POWER SUPPLY
SUPPLY; 220 OR 440V. 3Ø. 60-. CONSISTS
OF 3 ALMOST IDENTICAL UNITS WHICH SUPPLY
CONTROLLED POWER FROM GRID CONTROLLED
RECTIFIERS. THE TOP UNIT CONTROLS TILT-
ING MOTOR MIDDLE UNIT CONTROLS 30 KC
PROJECTOR TRAINING MOTOR AND BOTTOM UNIT
12/7/44 980 B 60454
JUN. 45 ALT 0

CBM-20267-A
CONTROLS 14 KC PROJECTOR TRAINING MOTOR.
SAME AS TYPE -20267 EXCEPT TIME DELAY IS
CONTROLLED BY SYNCHRONOUS MOTORS INSTEAD
OF RELAYS HAS 2 START-STOP CIRCUITS &
NEW TYPE ISOLATION TRANSFORMER & THE
NECESSARY WIRING CHANGES.

CML 20268 JR-1
RECTIFIER POWER UNIT
INPUT 105 TO 130. SINGLE PHASE. 60
CYCLES. 0.6 AMPS. 60 WATTS (AT 115V.)
OUTPUT 150 VOLTS DC (REGULATED ±2%)
APPROXIMATELY 15 MA. 50 VOLTS DC AT 150
MA. SUPPLIES POWER TO NAVY TYPE CML-
50171 AUDIO AMPLIFIER. RACK MOUNTED IN
12/29/43 CML:02731 CML:02939
FEB. 44 REV 0

CML 20268
NAVY TYPE CDB-10300 MOUNTING RACK.
WEIGHT 34 POUNDS.

CRP 20269 SO-13
RECTIFIER POWER UNIT
INPUT 115/1/400. OUTPUT: 4000/240/105/
-255/-360 VOLTS DC. SIMILAR TO NAVY TYPE
-20178 EXCEPT HAS NO VOLTAGE REGULATION
ON POSITIVE VOLTAGES. HAS SHOCK MOUNT
CAPTIVE GUARDS. DIMENSIONS DIFFER.

1/4/44 RX-1135
FEB. 44

CB8 20270 MK-28
RECTIFIER POWER UNIT
INPUT: 80 TO 115/1/60 AND 115/1/60.
CORRESPONDING OUTPUTS: 900 TO 1300V DC
UNFILTERED AND -1000V DC FILTERED. SAME
AS TYPE -20210 EXCEPT FILAMENT TRANS-
FORMER AND MAGNETRON FILAMENT RHEOSTAT
ARE REMOVED AND ASSOCIATED WIRING AND
1/6/43 CW:D-151953 CW:BXX-14758
FEB. 44 ISSUE 1

CB8 20270
CABLE CHANGES MADE. A PART OF TYPE
-20230.

CBM-20271 SU-1
VOLTAGE REGULATOR:
INPUT: 115/1/60, 100 VA MAX 85% PF AND
140V DC. 15 MA. OUTPUT: FULL WAVE RECTI-
FIED 150V DC AT 300 MA MAX. INCLUDES 2
THYRATRONS CONNECTED AS FULL WAVE GRID
CONTROL RECTIFIERS. HAS BUILT-IN MOTOR
DRIVEN TIME DELAY RELAY WHICH CONTROLS
1/7/44 929 SK-6060
DEC. 44 ALT 0

CBM-20271
PREHEATING OF TUBE FILAMENTS AND TURNS
ON SU EQUIPMENT AFTER VOLTAGE HAS STAB-
ILIZED. USED TO CONTROL OUTPUT VOLTAGE
OF TYPE -21169 MOTOR GENERATOR SET.

CBM 20272 SU. SU-1
CONTROL RECTIFIER
INPUT: 115/1/60 2 AMPS. 85% PF. FROM
GYRO EXCITATION OR EQUIPMENT. MUST BE
IN PHASE WITH ERROR VOLTAGE. POWER OUT-
PUT: 115V DC. 0 TO .5 AMPS. TO ARMATURE
OF ANTENNA ASSEMBLY TRAINING MOTOR USED
TO TRAIN CSM-66AGY-1 ANTENNA ASSEMBLY IN
1/6/44 926A SK-6061
DEC. 44 ALT 0

CBM 20272
AZIMUTH. SELSYN ERROR VOLTAGE USED TO
CONTROL ROTATION IN SPEED AND DIRECTION
IN ACCORDANCE WITH SELSYN INTELLIGENCE
SUPPLIED BY SU.

CZE 20273 OBJ
RECTIFIER POWER UNIT
UNIT OF NAVY TYPE CZE-23AES CONTROL CON-
SOLE. INPUT 115/1/60.

1/10/44
FEB. 44

CZE 20274 OBJ
REGULATED AC POWER UNIT
INPUT 115/1/60.

1/10/44
FEB. 44

CZE 20275 OBJ
RECTIFIER POWER UNIT
UNIT OF NAVY TYPE CZE-60 ACH SIGNAL
GENERATOR ASSEMBLY. INPUT 115/1/60.

1/10/44
FEB. 44

CZE 20276 OBJ
RECTIFIER POWER UNIT (#2)
UNIT OF NAVY TYPE CZE-60 ACH SIGNAL
GENERATOR ASSEMBLY. INPUT 115/1/60.

CANCELLED-IDENTICAL TO -20275

1/10/44
FEB. 44

CG-20277 UE-1
MAIN POWER SUPPLY
INPUT: 115/1/60. OUTPUT: 300V REGULATED
AT 200 MA, 135V REGULATED AT 50 MA, 6.7V
AT 7.5 AMPS, AND 6.3V AT 3.75 AMPS.

1/10/44 DL:4W416A
MAR. 44

CG-20278 UE-1
BIAS POWER SUPPLY
INPUT: 115/1/60 OUTPUT: 250V REGULATED
AT 250 MA, -50V REGULATED AT 40 MA,
-105V REGULATED AT 5 MA, -6.7 AT 7.5
AMPS, -6.7 AT 7.5 AMPS.

1/10/44 DL:4W408A
MAR. 44

CG-20279 UE-1
HIGH VOLTAGE POWER SUPPLY
INPUT: 115/1/60. OUTPUT: 250V REGULATED
AT 250 MA, 2200V AT 1 MA, -1800V AT 3
MA, 6.7V AT 7.5 AMPS, AND 6.7V AT 7.5
AMPS.

1/10/44 DL:4W409A
MAR. 44

CW-20280 MK-28
HIGH VOLTAGE RECTIFIER
INCLUDES TYPE -20270 RECTIFIER POWER
UNIT AND TYPE -53154 RECTIFIER POWER
UNIT FILTER ENCLOSED IN A LORD SHOCK
MOUNTED METAL BOX.

1/11/44 D-151952 BXX-14758
FEB. 44 ISSUE 1

CAIU 20281 MK-22
REGULATED EXCITER
CONSISTS OF ASSEMBLY OF TRANSFORMERS,
SELENIUM RECTIFIERS, VACUUM TUBES SATUR-
ABLE RECTOR AND ASSOCIATED APPARATUS
ENERGIZED BY 440 VOLT 60 CYCLE AND SUP-
PLIES 128V DC 1.6 AMPS TO THE FIELD OF
CLA-21177 GENERATOR. OUTPUT OF THE
1/13/44 CW:KS-15017-01
FEB. 44 ISSUE 1

CAIU 20281
GENERATOR IS CONDUCTED THROUGH THE EXCI-
TER SO THAT THE EXCITER CAN REGULATE THE
FIELD CURRENT TO COMPENSATE FLUCTUATIONS
IN THE GENERATOR OUTPUT.

CUO 20282 *SEE BELOW
RECTIFIER POWER UNIT
SELERIUM RECTIFIER POWER UNIT. INPUT
115/1/400. OUTPUT 24V DC. 6 AMPS. BOTH
INPUT AND OUTPUT TO HAVE 6 FT. CORD AND
PLUG.

*FOR USE WITH CXFR-1
1/19/44
FEB. 44

COE 20283 YO
LOCALIZER RECTIFIER
MODULATOR: INPUT 115/1/60. INCLUDES
RECTIFIER POWER SUPPLY FOR FINAL PA OF
LOCALIZER TRANSMITTER. INCLUDES MODULATOR
WHICH DIVIDES THE OUTPUT OF THE
LOCALIZER TRANSMITTER INTO TWO CHANNELS
EACH OF WHICH IS MECHANICALLY MODULATED;
1/24/44 B-2035A
FEB. 44

COE 20283
ONE AT 90- THE OTHER AT 150-. SAME AS
-20245 EXCEPT RECTIFIER POWER SUPPLY
FORMERLY USED FOR THE COMMUNICATIONS
TRANSMITTER AND RECEIVER HAS BEEN
DELETED.

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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CBM 20284 SF
 VOLTAGE DISTRIBUTOR
 CONSISTS OF TIME DELAY RELAY, PLATE TRANSFORMER FILAMENT TRANSFORMER, FL-3C TUBE AND A TERMINAL STRIP MOUNTED IN A SHOCKPROOF CASE. PROVIDES 30 TO 45 SECOND DELAY TO ALLOW VOLTAGE REGULATION AND TUBE EL-3X TO WARM-UP. SUPPLIES 110V
 2/1/44 970 SK-5810
 FEB. 44 ALT 0

CBM20284
 DC TO ALL NECESSARY POINTS THE EQUIP-
 MENT INPUT: 300 WATTS. OUTPUT: 200 WATTS.

CG-20285 QGA
 SELENIUM RECTIFIER (HALF WAVE)
 INPUT: 30 RMS VOLTS, 140 MILLIAMPS. OUT-
 PUT 22 VOLTS 140 MILLIAMPS.
 DC VOLTS FORWARD: 2.0 TO 3.0 FOR 20 MA.
 DC VOLTS INVERSE: 10 FOR 0.05 MA MAX.
 DC VOLTS INVERSE: 20 FOR .20 MA MAX.
 DC VOLTS INVERSE: 30 FOR 1.5 MA MAX.
 2/2/44 6RS-5F4 CEM:1000H-1 ALT 2
 MAR. 45 CEM:980-B1. ALT 0

CRP 20286 SO-1
 RECTIFIER POWER UNIT
 INPUT: 115/1/400. OUTPUT 4000/240/-225/
 -360 VOLTS DC. SAME AS NAVY TYPE -20225
 EXCEPT TWO REGULATING TUBES V 203 AND
 V 204 REMOVED CANCELLING REGULATION ON
 ALL POSITIVE VOLTAGES. ALSO INCLUDES
 SHOCK MOUNT CAPTIVATING GUARDS.
 2/7/44 RX-1149 M-3F-H40
 FEB. 44 REV C

CRP-20287 SO-2
 RECTIFIER POWER UNIT
 INPUT 115/1/400. OUTPUT: 4000/240/105/
 -225/-360 VOLTS DC. SAME AS NAVY TYPE
 -20237 EXCEPT TWO REGULATING TUBES
 V 203 AND V 204 REMOVED CANCELLING RE-
 GULATION ON ALL POSITIVE VOLTAGES. ALSO
 INCLUDES SHOCK MOUNT CAPTIVATING GUARDS.
 2/7/44 RX-1148 M-3F-H40
 FEB. 44 REV C

CG-20288 DAS-2
 RECTIFIER POWER UNIT
 INPUT 115/230V, 1Φ, 50 TO 60- AT APPROX.
 2.2/1.1 AMPS. 240 WATTS. SUPPLIES POWER
 FOR NAVY TYPE CG-46244 RADIO RECEIVER
 AND CG-55147 INDICATOR UNIT. MAY BE
 USED AS REPLACEMENT POWER UNIT IN NAVY
 TYPE CG-46210 RADIO RECEIVER-INDICATOR.
 2/15/44
 FEB. 44

CRV 20289 RDM
 MONITORING PANEL POWER
 SUPPLY:

2/9/44
 MAR. 44

CW-20290 UG
 RECTIFIER POWER UNIT
 OPERATES FROM 108 TO 132 OR 216 TO 264
 VOLTS. SINGLE PHASE. 50 TO 60 CYCLES.
 OUTPUT 130 VOLTS DC. 0.8 AMPS. (REGULATED
 ± 3 PERCENT) AND 6.6 VOLTS AC. 10 AMPS
 (NOT REGULATED)

3/17/44 X-61680D.
 LIST I

CMA 20291 GENERAL USE RE 9330A
 RECTIFIER POWER UNIT.
 INPUT: 110 VOLTS, 1Φ, 60 CYCLES, 1.9
 AMPS OUTPUT: 28 VOLTS DC. 2 AMPS USED TO
 OPERATE A TUNING MOTOR.

NXST 46926
 3/25/44
 DEC. 44

CPR 20292 RCD
 RECTIFIER POWER UNIT
 INPUT: 110/115/120 VOLTS. SINGLE PHASE.
 25 TO 70 CYCLES. 1.79 AMPS. 185 WATTS.

3/25/44
 APR. 44

CW-20295 UF
 SELENIUM RECTIFIER

4/4/44 KS-8457
 APR. 44

CW-20294
 COPPER OXIDE RECTIFIER
 CONSISTS OF 16 COPPER OXIDE DISCS. AT
 70°F WITH 4V DC BETWEEN TERMINALS 1-2,
 2-3, 3-4, 4-5 IN TURN & WITH TERMINALS
 1,2,4,5 NEGATIVE. THE CURRENT IS 0.175
 AMP. WITH 24V DC BETWEEN TERMINALS AND
 WITH TERMINALS 1,2,4,5 POSITIVE. MAX
 4/4/45 D-161870 BH-100885
 MAR. 45 ISS 2

CW-20294
 CURRENT IS 0.0022 AMP. MAX INPUT NOT
 EXCEEDING 105°F IS 18V RMS AC & 0.085
 AMPS & MAX. OUTPUT IS 12V AND 0.075 AMP.
 DC.

CW-20295 UF
 COPPER OXIDE RECTIFIER:
 USED AS CLICK REDUCER COMPOSED OF 6 COP-
 PER OXIDE DISCS ON PHENOL PLASTIC BASE
 WITH MTG. SCREWS. MOISTURE RESISTANT AT
 70°F WITH 0.1V DC BETWEEN TERMINALS IN
 EACH DIRECTION IN TURN WITH MAX. CURRENT
 0.000053 AMP. & 1.5V DC. THE MIN. CUR-
 4/4/44 D-162708A BA-100771
 MAR. 45 ISS 2

CW-20295
 RENT IS 0.067 AMPERE.

CW-20296 UF
 COPPER OXIDE RECTIFIER:
 CONSISTS OF 12 COPPER OXIDE DISCS ON
 PHENOL BASE ONE MTG. SCREWS. MOISTURE
 RESISTANT AT 70°F WITH 36V BETWEEN TER-
 MINALS 2T-2B & 1T-1B IN TURN AND WITH
 TERMINALS 2B & 1B. POSITIVE. MAX. CUR-
 RENT IS 0.0022 AMP; WITH 6V DC BETWEEN
 4/4/44 D-162708E BA-100838
 MAR. 45 ISS 2

CW-20296
 TERMINALS AND 2B & 1B NEGATIVE. CURRENT
 IS 0.175 AMP.

CW-20297 UF
 SELENIUM RECTIFIER:
 INPUT 65V RMS, 0.02 AMPS. OUTPUT 45V DC.
 0.0152 AMP. USED AS FULL WAVE GUIDE REC-
 TIFIER, COMPOSED OF 2 VARISTOR UNITS
 EACH WITH 30 COPPER OXIDE DISCS IN A
 METAL CAN WITH MTG. STUDS.

4/4/44 D-162482 BA-100754
 MAR. 45 ISS 2

CW-20298 UF
 COPPER OXIDE RECTIFIER:
 FOR USE IN PAIRS, CONSISTS OF 40 COPPER
 OXIDE DISCS, MOISTURE RESISTANT. MAX IN-
 PUT AT 105°F IS 60V DC AND 0.05 AMP. MAX
 OUTPUT AT 105°F IS 60V DC AND 0.04 AMP.
 AT 70°F WITH 120V DC BETWEEN TERMINALS
 1-2, AND 2-3 IN TURN AND WITH TERMINALS
 4/4/44 D-164403 CW:ESA-657751
 MAR. 45 ISS 3

CW-20298
 1 & 2 NEGATIVE. MAX CURRENT IS 0.0022
 AMPS; WITH 20V DC BETWEEN TERMINALS &
 WITH TERMINALS 1 & 2 POSITIVE. MINIMUM
 CURRENT IS 0.175 AMP.

CG-20299 SP
 VOLTAGE REGULATOR:
 FOR MAINTAINING VOLTAGE IN AC GENERATOR
 SYSTEM AT 115 VOLTS, SINGLE PHASE, 60
 CYCLES. CONSISTS OF A CAPACITOR, ONE
 FIXED AND ONE VARIABLE RHEOSTAT, A RE-
 SISTOR, A SPOT TEMPERATURE SWITCH, A TAP
 SWITCH, A 3 POT TRANSFER SWITCH AND A
 4/21/44 3126785 T-8455954
 MAY 44 REV 0

CG-20299
 REACTOR. AUTOMATIC BUT HAS EMERGENCY
 HAND CONTROL. SIMILAR TO -20310 EXCEPT
 FOR RESISTOR VALUES.

CW-20300 PL
 PLATE POWER SUPPLY UNIT:
 INPUT 115/1/60. OUTPUT: 250 VOLTS DC,
 250 MA.

4/4/44
 MAY 44

CW-20301 PL
 BIAS POWER SUPPLY UNIT:
 INPUT 115/1/60. OUTPUT 150 VOLTS DC,
 50 MA WITH POSITIVE SIDE GROUNDED.

4/4/44
 MAY 44

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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CM-20302 PL			COL-20309 TCS-12			CZC-20314 RDO-	RE 9424A			
RECTIFIER POWER UNIT; INPUT 115/1/60. SUPPLIES PLATE AND OTHER VOLTAGES TO NAVY TYPES CW-55AFM RECORDER AND CW-50AEX AMPLIFIER-ANALYZER.			RECTIFIER POWER UNIT: SUPPLY: 115 OR 230V. 1Φ. 50 OR 60-. 260 WATTS, 0.9 PF. OUTPUT: 400/225/12 VOLTS DC AT 0.20/0.105/0.90 AMPS AND 12.6/1/ 60 AT 3.5 AMPS. SIMILAR TO -20242 EXCEPT FOR SUPPLY, SEALED TRANSFORMERS AND DIF- FERENT TYPE FILTER CAPACITORS.			RECTIFIER POWER UNIT INPUT 115/1/60. 102 WATTS. CAN OPERATE FROM 110/115/120 VOLTS. 1Φ. 55 TO 65 CYCLES. CONNECTED TO POWER SOURCE BY NAVY TYPE -49125 PLUG AND NAVY TYPE -49126 RECEPTACLE.				
4/4/44 MAY 44			6/26/44 409M-7 AUG. 44		500-9511-000	8/15/44 9001 NOV. 44				
CM-20303 REA			CG-20310 SP			CAIU-20315 ST				
LV RECTIFIER POWER UNIT: INPUT 115/1/60. OUTPUT 90 VOLTS DC. USED FOR ALL NEGATIVE BIASES AND FOR THE CAR- RIER RECTIFIER IN TYPE CW-50188 CARRIER AMPLIFIER.			VOLTAGE REGULATOR: FOR MAINTAINING VOLTAGE IN AC GENERATOR SYSTEM AT 115/1/60. CONSISTS OF A CAPACI- TOR, 1 FIXED AND 1 VARIABLE RHEOSTAT, A, RESISTOR A SPDT TEMPERATURE SWITCH A TAP SWITCH A 3 PDT TRANSFER SWITCH AND A RE- ACTOR. AUTOMATIC BUT HAS EMERGENCY HAND			SELENIUM RECTIFIER RATED 38 VOLTS DC. 2 AMPS. DESIGNED TO OPERATE FROM 92-158 VOLTS 60 CYCLES AC. CONSISTS OF 5 TERMINAL PLATES AND 12 SELENIUM DISC RECTIFIER PLATES APPROX. 1 5/8" IN DIA.				
4/4/44 D-169193 FEB. 445			7/4/44 3126785 AUG. 44		T-8459964 REV 0	8/14/44 R576 NOV. 44		CM:KS-15074 LIST 02 ISSUE 1		
CM-20304 REA			CG-20310			CM-20316 REA				
H.V. RECTIFIER POWER UNIT: INPUT 115/1/60. OUTPUT 400 VOLTS DC. USED IN PLATE CIRCUIT OF FIRST BEATING OSCILLATOR & AUTOMATIC TUNING MODULATORS.			CONTROL. MECHANICALLY SAME AS -20299 BUT HAS RESISTORS OF DIFFERENT VALUES.			L V RECTIFIER POWER UNIT INPUT 115/1/60. OUTPUT 135 VOLTS DC. USED FOR PLATE VOLTAGE & FOR RELAY OPERATION THROUGHOUT RADIO RECEIVER EX- CEPT IN CASES OF FIRST BEATING OSCILLA- TOR AND AUTOMATIC TUNING MODULATORS.				
4/4/44 D-169195 FEB. 445						8/24/44 D169194 FEB. 45				
CHA-20305 NX99-38783			CW-20311 PM			CIT-20317 LORAN C-1				
RECTIFIER POWER UNIT: SUPPLY: 115 OR 230 VOLTS. 1Φ. 50 TO 60 CYCLES. DRY DISC. RECTIFIER TYPE BATTERY CHARGER CAPABLE OF CHARGING FROM 1 TO 2 THREE CELL BATTERIES IN SERIES AT RATE OF AT LEAST 10 AMPS. HIGH SHOCK TYPE.			RECTIFIER POWER UNIT: OPERATES FROM 103 TO 126/207 TO 253/1/50 TO 60 IN TEMPERATURES OF FROM -20 TO +120F FURNISHES THE FOLLOWING OUTPUT VOLTAGES: ±130V DC TELEGRAPH AND +130V DC TELEGRAPH & PLATE. ARRANGED TO PRO- VIDE: 6.1V AC, 10 AMPS, OR 6.3V AC, 10			RECTIFIER, SELENIUM APPROX. INPUT 16 VOLTS AC; OUTPUT 12.5 VOLTS DC. .075 AMPS. CONSISTS OF 6 STACKED SELENIUM DISKS.				
5/3/44 10NC12D AUG. 44			7/16/44 CW:4-6168UE MAR. 46 LIST 1		B-409659 ISS 2	8/25/44 SEPT. 44		CIT:181A1 SEPT. 44		
CHA-20306 MAE-1			CG-20311			CG-20318 XTOZ & TDZ				
VIBRATOR POWER SUPPLY: INPUT 6.3 VOLTS DC.. OUTPUT 125/150/175/ 200V DC AT 100 MILLIAMPS. INCLUDES REC- TIFIER AND A FORM POSITION SWITCH TO OB- TAIN APPROPRIATE OUTPUT.			AMPS. OR 9.8V AC 5 AMPS. DC OUTPUT REGU- LATED TO ±3% NO LOAD TO FULL LOAD. FULL LOAD RATING FOR 150 VOLTS IS 0.8 AMPS. SIMILAR TO -20290 EXCEPT IT HAS GREATER VARIETY OF OUTPUT. HAS DOUBLE POLE SWITCH. ELIMINATES OPERATING INSTRU- CTIONS FROM FRONT COVER PLATE.			RECTIFIER, SELENIUM RATED 166 V AC 60 CYCLES INPUT; 126 V DC 0.563 AMPS DC OUTPUT.				
6/25/44 VP551 AUG. 44		CRV:A-65550 REV 2				8/28/44 6RS126C1 SEPT. 44		CG:M-7471320 REV 4		
CAON-20307 UJ			CFT-20312 FOR USE WITH			CG-20319 XTDZ & TDZ				
LV RECTIFIER POWER UNIT: INPUT 115/1/60. OUTPUT: THREE 6.3V HEATER WINDINGS, AT 2, 5, AND 8 AMPS; 2 5 VOLT HEATER WINDINGS AT 6 AND 3 AMPS. D.C. SUPPLIES: -150V AND +450 VOLTS. PROVIDES FOUR OUTPUT REGULATED DC VOLT- AGES: 150V AT 0.005 AMPS. 50V AT 50 MA			MAGNETIC COMPENSATOR FOR USE WITH THE AUTOMATIC BEARING IN- DICATOR UNIT TO REMOVE ANY RESIDUAL MAG- NETISM FROM THE IRON CORES OF THE CATHOD RAY DEFLECTION YOILS WHICH IS PICKED UP AFTER A PERIOD OF OPERATION. CONSISTS			RECTIFIER, SELENIUM RATED 15.5 V AC 60 CYCLES INPUT; 12 V DC 1.256 AMPS DC OUTPUT.				
5/27/44 DD-3109-E-3 DEC. 44			7/23/44 AUG. 44		CFT:RF-2893-12C RF-2950-12A	8/28/44 6RS5C15 SEPT. 44		CG:M-7472935 REV 0		
DC.		CAON-20307	OF A RECTIFIER			CBM-20320 QDC QGD				
+250V AT 200 MA DC AND +250V AT 100 MA DC.			AND BRIDGE NETWORK TO FEED A DC CURRENT. TO THE COILS TO REMOVE THE RESIDUAL MAGNETISM. INPUT: 115/1/60.			TRAINING POWER SUPPLY SUPPLY: 115V. 1 PHASE, 60 CYCLES. CON- SISTS OF TWO TYPE C58 THYRATHRONS WHOSE OUTPUT OPERATES THE PROJECTOR TRAINING MOTOR. SIMILAR TO TYPE CBM-20313 EXCEPT PLATE TRANSFORMER IS LARGER AND TWO THYRATHRONS ARE USED INSTEAD OF ONE.				
						8/31/44 958 OCT. 44		SK-5913 REV 0		
CAON-20308 UJ			CBM-20313 QBE-4			CABR-20321 TBK				
H.V. RECTIFIER POWER UNIT: INPUT 115/1/60. OUTPUT PROVIDES ONE 6.3 VOLT HEATER WINDING AT 1.2 AMPS AND TWO 2.5 VOLTS HEATER WINDINGS AT 1.75 AMPS. ALSO +2175 DC AND -1525 AT 0.005 AMPS.			TRAINING POWER SUPPLY: SUPPLY: 115 VOLTS. 1 PHASE, 60 CYCLES. CONSISTS OF A GRID CONTROLLED RECTIFIER WHICH CONTROLS PROJECTOR TRAINING MOTOR. SIMILAR TO BOTTOM UNIT OF TYPE -20267 EXCEPT CONTROL RELAY AND FUSES ARE OMITTED AND SUPPLY VOLTAGE IS DIFFERENT.			RECTIFIER SELENIUM CONSISTS TWO 12 STACK SECTIONS ARRANGED AS SINGLE PHASE BRIDGE RECTIFIER. WITH INPUT OF 152 VOLTS. RMS 60 CYCLES. DELIVERS 120 VOLTS DC +3%-6% INTO A RESISTANCE LOAD OF 550 OHMS.				
5/27/44 DEC. 44		DD-3120-E-2	7/25/44 992 AUG. 44		SK-6042 ALT 1	9/7/44 #100C12FF1 FEB..454		CRV:V-430774-1 SUB 0		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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CFT-20322	TDN-2.-3.-4		CBM-20328	QBE-1A	RE13A760A	CBM-20332		
KEYS POWER SUPPLY PROVIDES 50V DC WITH POSITIVE SIDE GROUNDED FOR A KEYS WHICH DOES NOT HAVE AN INTERNAL SOURCE OF VOLTAGE. INPUT 220 VOLTS 1 PHASE. 50-60 CYCLES.			CONTROL RECTIFIER INPUT 115/1/60, 2 AMPS. SUPPLIES POWER TO TRAINING CONTROL, FURNISHING CURRENT TO OPERATE THE TRAINING MOTOR LEFT AND RIGHT WHEN HANDWHEEL OF REMOTE TRAINING CONTROL IS TURNED LEFT AND RIGHT. HOUSED IN AIR-TIGHT AND WATER-TIGHT CABINET.			6.3V AT 3 AMPS 60 CYCLES (5) 6.3V AT 3 AMPS 60 CYCLES. OUTPUTS (4) AND (5) OBTAINED FROM A TRANSFORMER BUILT INTO THIS UNIT.		
9/14/44	123A	RC-4659-14	9/25/44	926D	(CBM)SK-6256	11/2/44	980A	60371
OCT. 44		REV 0	OCT. 44		ALT 0	DEC. 44		ALT 0
CFT-20323	TDN-2.-3.-4		CTJ-20329	TDM-1		CBM-20334	MFA	
OSCILLATOR POWER SUPPLY PROVIDES POWER FOR CFT-35059 OSCILLATORS. INPUT: 220V, 3 PHASE, 50-60 CYCLES. OUTPUT: 375V DC AT 400 MA. EMPLOYS 6 TYPE 5V4 TUBES IN A 3 PHASE FULL WAVE RECTIFIER CIRCUIT.			RECTIFIER POWER UNIT INPUT: 115/1/60, 2.15 AMPS, 225 WATTS. OUTPUT: 130V DC/175 MA, 385V DC/85 MA, AND 6.3V AC/3.2 AMPS AT 60 CYCLES. SAME AS CTJ-20189 EXCEPT THAT A BLEEDER RESISTOR HAS BEEN ADDED TO OUTPUT OF LOW VOLTAGE RECTIFIER CIRCUIT, THE TWO TYPE 9/27/44 CJF1AA-46113 CJF:X-P-47030 MAR. 45			TRAINING POWER UNIT: INPUT 115/1/60, 650 WATTS TRAINING BOTH PROJECTORS, 180 WATTS NOT TRAINING. CONSISTS OF 2 IDENTICAL CONTROL CHASSIS WHICH SUPPLY CONTROLLED POWER FROM GRID CONTROLLED RECTIFIERS TO OPERATE TWO PROJECTOR TRAINING MOTORS.		
9/14/44	122A	RC-5108-3	9/27/44	CJF1AA-46113	CJF:X-P-47030	11/4/44	101B	
OCT. 44		REV 0	MAR. 45			DEC. 44		ALT 0
-20324	TBM SERIES		CIA-20330	FOR GEN. RADIO USE		CBM-20335	MFA	
RECTIFIER MODULATOR UNIT INPUT 115 VOLTS, SINGLE PHASE, 50 TO 800 CYCLES. OUTPUT: 2000 VOLTS DC AT 0.175 AMP, 500 VOLTS DC AT 0.2 AMP AND 12 VOLTS DC, AT 5.4 AMPS.			RECTIFIER POWER UNIT: INPUT: 110/115/120/1/50 TO 62. OUTPUT: 180V AT 40 MA DC; 105V AT 15 MA DC; 6.3V AT 3.6 AMPS DC. SAME AS NAVY TYPE -20095 EXCEPT (1) PHYSICAL DIMENSIONS ARE DIFFERENT TO ACCOMMODATE NEW TRANSFORMER AND REACTOR CANS. (2) BRACKETS ARE ON			RECTIFIER POWER UNIT: INPUT 115-230/1/60, 0.75/0.38 AMPS. OUTPUT: 6.3AC/260 DC/280 DC VOLTS AT 3.3/0.0036/0.03 AMP. SAME ELECTRICALLY AS -20062-C EXCEPT IS MOUNTED IN A METAL CASE.		
9/18/44			10/4/44		RU (5-8)	11/4/44	760J	60420
OCT. 44			DEC. 44			DEC. 44		ALT 1
CW-20325	UE-1		CIA-20330	FOR GEN. RADIO USE		CBM-20336	DBA	
RECTIFIER COPPER OXIDE CONSISTS OF A SINGLE COPPER OXIDE DISC ASSEMBLED IN A MOISTURE RESISTANT TUBULAR SHELL WITH AXIAL LEADS. POWER RATING .002 WATTS MAX.			RECTIFIER POWER UNIT: INPUT: 110/115/120/1/50 TO 62. OUTPUT: 180V AT 40 MA DC; 105V AT 15 MA DC; 6.3V AT 3.6 AMPS DC. SAME AS NAVY TYPE -20095 EXCEPT (1) PHYSICAL DIMENSIONS ARE DIFFERENT TO ACCOMMODATE NEW TRANSFORMER AND REACTOR CANS. (2) BRACKETS ARE ON			VIBRATOR POWER UNIT INPUT 12V DC OR 24V DC OR 115/1/60 OUTPUT 1000DC/250DC/500DC/12AC/12.6AC VOLTS AT 0.002/0.030/0.02/0.0035/2.0/3.75 AMPS. 12.6V AC OUTPUT OBTAINED ONLY WHEN AC INPUT IS USED.		
9/20/44	D-169016	BA-105562	10/4/44			11/9/44		
OCT. 44		ISSUE 1	DEC. 44			DEC. 44		
CW-20326	MK 28 MOD 2		CAY-20331	TDE		CBM-20337	TBX SERIES	
HIGH VOLTAGE RECTIFIER (POWER SUPPLY)(HIGH VOLTAGE) MK 7 MOD 0: CONSISTS OF DRIP PROOF HOUSING TO ACCOMMODATE ONE CW-20327 RECTIFIER POWER UNIT, AND ONE C8B-55154 RECTIFIER POWER UNIT FILTER. HOUSING SIMILAR TO ONE USED FOR CW-20280 HIGH VOLTAGE RECTIFIER EX-			COPPER OXIDE RECTIFIER: INPUT: 20.6 VOLTS AC. 1.2 AMPS OUTPUT: 12.8 VOLTS MAX., 1.35 AMPS DC MAX. 1 STACK -15 DISCS.			VIBRATOR POWER UNIT OPERATING TBX THRU TBX-6, INPUT: RECEIVE STANDBY 12.6V DC 0.88 AMPS OR TRANSMIT RECEIVE (KEY DOWN) 12.6V DC 4.5 AMPS AND OUTPUT OF +135/+90/-15/-6/+3/+535/+12.6V DC AT 11/5/0/0/360/45/860 MA. OPERATING TBX-7, TBX-8, INPUT: RECEIVE STANDBY		
9/22/44	D-152659	BX-21951	10/20/44	#1186496	50-D-273	11/9/44	6672	D-34 REV 0
FEB. 45		ISSUE 1	FEB. 45			DEC. 44		
CW-20326			CBM-20332	MFA		CBM-20337		
CEPT (1) ONE SIZE J CABLE TERMINAL TUBE HAS BEEN ADDED, AND (2) ONE SIZE C CABLE TERMINAL TUBE HAS BEEN CHANGED TO SIZE B TUBE THROUGH USE OF REDUCING BUSHING.			RECTIFIER POWER UNIT: INPUT: 115/1/60, 650 WATTS AT 85% PF. OUTPUT (1) 600V ±5% AT 0.48 AMPS DC, 10% REGULATION 40 db RIPPLE. (2) 300V ±5% AT 0.06 AMPS DC, 10% REGULATION, 50 db RIPPLE. (3) 100V ±5% AT 0.1 AMPS DC, 10% REGULATION, 40 db RIPPLE. (4)			12.6V DC 0.85 AMPS OR TRANSMIT RECEIVE (KEY DOWN) 12.6V DC 7.2 AMPS AND OUTPUTS OF +90/-6/+1.4/+500/+12.6V DC AT 11/0/250/70/2000 MA.		
CBB-20327	MK 28. MOD 2		11/1/44	1003		11/13/44	409H-5	
RECTIFIER POWER UNIT INPUT: 80 TO 115/1/60 AND 115/1/60. CORRESPONDING OUTPUTS: 900 TO 1300V DC UNFILTERED AND -1000V DC FILTERED. SAME AS TYPE -20210 EXCEPT FILAMENT TRANSFORMER AND MAGNETRON FILAMENT RHEOSTAT ARE REMOVED AND ASSOCIATED WIRING AND CABLE			10/20/44 #1186496 50-D-273 FEB. 45			MAR. 45		
9/22/44	CBB:	BX-21951	OCT. 44	(CW)D-152640	ISSUE 1			
OCT. 44								
CBB-20327			CBM-20338	MAM		COL-20338	MAM	
CHANGES MADE, AND SAME AS -20270 EXCEPT ONE 0.62 MEGOHM RESISTOR R176 HAS BEEN OMITTED.			RECTIFIER POWER UNIT OPERATES FROM 105/1/60 SOURCE AT 2 AMPS, 200 WATTS. OUTPUT: 400V DC AT 190 MA 12V AC AT 2.5 AMPS; AND 12V DC AT 0.3 AMPS. SUPPLIES ALL VOLTAGES NECESSARY FOR OPERATION OF NAVY TYPE COL-52357 RADIO TRANSMITTER.			11/13/44 409H-5 MAR. 45		

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CDE-20339	MAM	RECTIFIER AND AUDIO AMPLIFIER; SIMILAR TO NAVY TYPE CDE-20257 EXCEPT OUTPUT RECEPTACLE IS REMOVED; OUTPUT CUT-OUT RELAY IS REMOVED, BINDING POST FOR SUPPLYING ENERGIZING CURRENT TO CUT-OUT RELAY IS REMOVED; AND TUBE SHIELD IS REMOVED. SUPPLY: 115/1/60 11/13/44 B2317	CAY-20346	TBL-10, TAB-6	COPPER OXIDE RECTIFIER INPUT: 320 VOLTS, 1 PHASE, 50 TO 60 CYCLES, 0.84 AMPS. OUTPUT: 250 VOLTS MAX, 0.7 AMPS DC MAX. AT 50°C. HAS ONE STACK OF 80 DISCS.	CAIU-20354	QJB	RECTIFIER ASSEMBLY, UNREGULATED SELENIUM DISC TYPE: INPUT RATED 115 VOLTS, 0.6 AMPS AC, 50 TO 60 CYCLES. OUTPUT RATED +120 VOLTS, 0.3 AMP DC AND -120 VOLTS, 0.08 AMP DC. ASSEMBLY INCLUDES TWO NAVY TYPE -20355 SELENIUM RECTIFIERS, TWO -301628 RETARDATION
	MAR. 45	B2317 A		12/14/44 1292369	CAY:7709078-P3 REV 11		1/12/45	KS-15070 CUI:KS-15070 FIG 1, ISS 1
CAY-20340	TBK-16	RECTIFIER, COPPER OXIDE INPUT: 350/1/50-60. OUTPUT: 275 VOLTS, 0.7 AMPS DC. CONSISTS OF ONE STACK OF 80 DISCS.	CAY-20347	TAB-6	COPPER OXIDE RECTIFIER INPUT: 1950 VOLTS, 3 PHASE, 50 TO 60 CYCLES, 2.0 AMPS. OUTPUT: 2300 VOLTS MAX, 2.2 AMPS DC MAX AT 50°C. HAS 18 STACKS WITH 116 DISCS PER STACK. FULL WAVE RECTIFIER, BRIDGE CONNECTED.	CAIU-20354		COILS, ONE -301627 TRANSFORMER, TWO -48829 PAPER CAPACITORS AND TWO -482498 PAPER CAPACITORS.
	11/17/44	S1515048		12/15/44 1292367	CAY:7709078-P1 REV 11			
CLG-20341	GEN RADIO USE	RE-9188A RECTIFIER POWER UNIT SUPPLY: 110 OR 220V, 1 PHASE, 50 OR 60-750 WATTS. OUTPUT: 7/14/28 VOLTS DC AT 16 AMPS CONTINUOUS, 25 AMPS MAXIMUM.	CAY-20348	TEB	COPPER OXIDE RECTIFIER INPUT: 24 VOLTS, BRIDGE TYPE, .65 AMPS. OUTPUT: 25.2 VOLTS DC 0.64 AMPS. FULL WAVE RECTIFICATION.			
	11/18/44	CLG:A-1790A-1		12/26/44	S7846020			
CS-20342	DBE	RE13A944 RECTIFIER POWER UNIT SUPPLY: 105-125 OR 210-250 VOLTS, 1Φ, 50 OR 60 CPS. OUTPUT: +2000V DC AND -2000V DC FOR CATHODE RAY TUBE, 6.3/1/60, REGULATED 200V DC AND UNREGULATED 320V DC. PART OF TYPE -46265 LORAN RECEIVER INDICATOR.	CVV-20349	FSD	RECTIFIER POWER UNIT INPUT 110 OR 220/1/60 CYCLES, 150 WATTS. OUTPUT VOLTAGES: 6.3V AC, 6.0V AC 275V DC. ALL REGULATED 175V DC ADJUSTABLE ADJUSTABLE REGULATED. SUPPLIES FILAMENT AND PLATE VOLTAGES TO TYPE-35065, FREQUENCY SHIFT KEYS.			
	11/22/44	651014		1/2/45	151-M-791			
CFT-20343	MK 20 MOD 1	RECTIFIER, SELENIUM INPUT 108 VOLTS, 175 MILLIAMPERES; OUTPUT 76.8 VOLTS, 150 MILLIAMPERES. CONSISTS OF A STACK OF 4 SELENIUM DISCS.	CAGM-20350	GEN RADIO USE	RE13A993A RECTIFIER POWER UNIT: INPUT: 105 TO 130 VOLTS, SINGLE PHASE, 50 TO 60 CYCLES, THREE OUTPUTS, 13V ± 1V DC AT 4 AMPS OR 26V DC ± 2V DC AT 20 AMPS AT 500 WATTS, OR 6.5V DC (+1V DC ± 0.25V DC) AT 250 WATTS.			
	11/23/44	2D0342		1/9/45	RCP-14A			
CAY-20344	TBL-10, TAB-6	COPPER OXIDE RECTIFIER INPUT: 1250 VOLTS, 1 PHASE, 50 TO 60 CYCLES, 0.8 AMPS. OUTPUT: 1000 VOLTS MAX, 0.7 AMPS DC MAX AT 50°C. HAS FOUR STACKS WITH 80 DISCS PER STACK. FULL WAVE RECTIFIER BRIDGE CONNECTED.	CABR-20351	20341	RECTIFIER, SELENIUM 13.0V RMS 60- SINE WAVE ACROSS INPUT, OUTPUT MUST NOT BE LESS THAN 8V(A.V.) WHEN CONNECTED ACROSS A 10Ω RESISTIVE LOAD. NUMBER OF PLATES 40 PER STACK.			
	12/14/44	1292368		1/3/45	CABR:15951			
RW-20345	FSC	RW20F109 RECTIFIER - KEYING UNIT INCLUDES POWER SUPPLY, KEYS AND AMPLIFIER.	CATD-20352	-20341	RECTIFIER ASSEMBLY, SELENIUM CONSISTS OF TWO STACKS EACH RATED: INPUT: 46 VOLTS RMS; OUTPUT 31.5-34.9V 15 AMPS. MAX. AMBIENT TEMP +60°C. MAX PLATE TEMP 75°C. NUMBER OF PLATES 13			
	12/25/44			1/3/45	CATD:7700960			
CHG-20345-A	FRC-1	RECTIFIER-KEYING UNIT: SUPPLY: 115/1/60. CONTAINS REGULATED POWER SUPPLY GIVING PLATE SCREEN AND BIAS VOLTAGES, A DC AMPLIFIER FOR OPERATING OUTPUT RELAY AND A TONE KEYS. SAME AS -20345 EXCEPT FOR COMPONENTS.	CAGM-20353	GEN RADIO USE	RE13A993A RECTIFIER POWER UNIT INPUT: 115 OR 230 VOLTS, SINGLE PHASE, 50 TO 60 CYCLES. OUTPUT: 26 ± 2V DC, 0.5 AMPS, AT 15 WATTS.			
	5/17/45			1/9/45	CAGM:RCP-29			
	JUN. 45			JAN. 45				

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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CW-20359 TEF
RECTIFIER UNIT (4) PANEL (C)
INPUT 3000V FROM TYPES CW-501640 RECTIFIER (4) PANEL (A) TRANSFORMER AND CW-301641 RECTIFIER (4) PANEL (B) TRANSFORMER CONNECTED FOR DELTA 3 PHASE OPERATION, 50 TO 60 CYCLES, AND 230/1150 TO 60 FOR FILAMENT SUPPLY. CONTAINS SIX
1/17/45
JAN. 45

CW-20359
MERCURY VAPOR RECTIFIER TUBES IN A FULL WAVE BRIDGE-TYPE RECTIFIER CIRCUIT. A FILAMENT TRANSFORMER, AND A CHOKE COIL.

CW-20360 TEF
RECTIFIER UNIT (5)
COPPER-OXIDE TYPE RECTIFIER PROVIDING 10 VOLTS DC TO THE FILAMENTS OF TYPES CW-50221 AMPLIFIER 2 AND CW-50222 AMPLIFIER 3.

1/17/45
JAN. 45

CW-20361 TEF
RECTIFIER UNIT (6)
COPPER-OXIDE TYPE RECTIFIER PROVIDING 10 VOLTS DC TO FILAMENTS OF TYPE CW-50223 AMPLIFIER 4.

1/17/45
JAN. 45

CW-20362 TEP
SCREEN SUPPLY REGULATOR PANEL
HIGH VOLTAGE DISTRIBUTION PANEL TO SUPPLY PLATE VOLTAGE TO TYPES CW-50222 AMPLIFIER 3, CW-50223 AMPLIFIER 4, AND CW-50224 AMPLIFIER 5. CONTAINS HIGH VOLTAGE FILTER CONDENSER AND A TRIODE TO CONTROL SCREEN GRID VOLTAGE TO TYPE CW-1/17/45
JAN. 45

CW-20362
50222 AMPLIFIER 3 AND CW-50223 AMPLIFIER 5.

CW-20363 UP
RECTIFIER POWER UNIT
(24 VOLT): A REGULATED TUBE RECTIFIER. OPERATES FROM 105 TO 125V, 1 ϕ , 50 TO 60 CYCLES. OUTPUT: 8 AMPERES CONTINUOUSLY OR 10 AMPERES ON AN INTERMITTENT LOAD. OUTPUT VOLTAGE CAN BE ADJUSTED TO 24 VOLTS & WITH CONSTANT LOAD A REGULATION
1/18/45 X-65673A-1 X-63673A-1
JAN. 45 LIST 1 RI & S, ISS 6

CW-20363
OF ± 1 VOLT WILL BE MAINTAINED. MOUNTED ON STEEL PANEL WITH FRONT ENCLOSURE COVER OF WHICH IS HINGED TO AFFORD READY ACCESS FOR MAINTENANCE. COVER ENCLOSES ALL TERMINALS & WIRING. PANEL IS ARRANGED FOR RELAY RACK MOUNTING.

CW-20354 UP
RECTIFIER POWER UNIT
(130 VOLT): REGULATED TUBE RECTIFIER. OPERATED FROM 115 OR 230V, SINGLE PHASE. 50 TO 60 CYCLES. OUTPUT: 3 AMPERES CONTINUOUSLY OR 4 AMPERES ON INTERMITTENT LOAD. OUTPUT VOLTAGE 130 VOLTS MAIN-CLISTS 1,2,3,WA,WC & WE
1/18/45 X-66242A-1 X-66242A-1
JAN. 45 ESEE ABOVE U & RU ISS 3

CW-20364
TAINED AT REGULATION OF $\pm 3\%$ WITH A 10% CHANGE IN AC LINE VOLTAGE. SUITABLE AS SOURCE OF 130 PLATE SUPPLY FOR VACUUM TUBE CIRCUITS & FOR ISSUING 130 VOLT TELEGRAPH BATTERY. MOUNTED ON STEEL PANEL.

CW-20365 UP
RECTIFIER POWER UNIT
(NEGATIVE 130 VOLT): SAME AS TYPE -20364 EXCEPT IT IS INTENDED AS A SOURCE OF NEGATIVE 130 VOLT TELEGRAPH BATTERY. FUNCTIONALLY THE SAME AS CW-20140 PLUS CW-20141 COMBINED, BUT OF BETTER DESIGN & MOISTURE PROOF.
1/18/45 X-66242A-1 LISTSX-66242A-1
JAN. 45 1,2,WD & WE U & RU ISS 3

CW-20366 UP
POWER SUPPLY UNIT
A SELENIUM DISC RECTIFIER INTENDED TO OPERATE FROM A SOURCE OF 105 TO 125 VOLTS AC, 50 TO 60 CYCLES. SUPPLIES 10V AC HEATER CURRENT AND 130V DC PLATE CURRENT TO A MAXIMUM OF 4 VACUUM TUBE AMPLIFIERS. MOUNTED ON STEEL PANEL.
1/18/45 J8638A-1 J8638A-1
JAN. 45 LIST 1 OR ISS 5

CAIU-20367 UP
130 VOLT RECTIFIER
INPUT: 115/1150 TO 60. OUTPUT 1.7 AMPS AT 130 VOLTS REGULATED TO WITHIN $\pm 1/2$ VOLT. SUPPLIES POSITIVE 130 VOLT POTENTIAL OF ALUMINUM CONSTRUCTION, OPEN TYPE. SIMILAR TO TYPE -20311.

1/18/45 KS-15123
JAN. 45 LIST 2

CW-20368 UP
130 VOLT RECTIFIER
INPUT 115/1150 TO 60. FULL WAVE 130 VOLT RECTIFIER WITH A FILTERED OUTPUT OF 0.1 AMPS. REGULATED WITHIN LIMITS OF $\pm 0.25\%$ FOR CHANGES IN LOAD FROM NO-LOAD TO FULL LOAD. FOR LINE VOLTAGE VARIATIONS AS GREAT AS $\pm 8.7\%$. PANEL IS ARRANGED FOR
1/18/45 J86207B-2 J86207B-2
JAN. 45 LIST 2 ISSUE 26

CW-20368
RELAY RACK MOUNTING. FURNISHES 130 VOLT PLATE SUPPLY.

CW-20369 UP
1000 CYCLE AND 24 VOLT
RECTIFIER PANEL: STEEL PANEL EQUIPPED WITH: (1) 1000 CYCLE MOTOR GENERATOR SET (KS-5472-01, LIST 15); INPUT: 115/1160. FURNISHES 1 MILLIWATT OF TESTING PASSER (2) 24 VOLT COPPER OXIDE FULL WAVE RECTIFIER (J86205B-4 LIST 3), OPERATES ON
1/18/45 X-66717A-1 X-66717A-1
JAN. 45 FIG E ISSUE 3

CW-20369
105 TO 125/1150 TO 60; OUTPUT 0.5 TO 0.35 AMP., 17 TO 22 VOLTS. (3) POWER OUTLET BOX CONTAINING POWER RELAY, CAPACITOR FOR 1000 CYCLE MACHINE & FUSES.

CAPI-20370 HBM
POWER SUPPLY
SUPPLY: HILLARD 6 VOLT STORAGE BATTERY (TYPE ERH-25-6) RATED 18 AMP HOURS. INCLUDES MALLORY VIBRAPACK (TYPE VP395) AND A MALLORY VIBRATOR (TYPE 546C). OUTPUT: 340 VOLTS AT 100 MA DC AND 6.3V DC. ALSO INCLUDES INTERNAL BATTERY CHARGER
1/20/45 HBM UNIT 2
JAN. 45

CAPI-20370
(MALLORY TYPE F1203) WHICH OPERATES AT ANY VOLTAGE BETWEEN 90 TO 130 VOLTS OR 160 TO 230 VOLTS, SINGLE PHASE, 50 TO 60 CPS. CHARGING CURRENT IS 3.5 AMPS.

CG-20371 QGB
RECTIFIER-SELENIUM
INPUT: 110V/1160-, 0.1 AMPS. OUTPUT: 72V MAX, 0.1 AMPS DC MAX AT 50°C. 12 DISCS/STACK; ONE STACK DIAM. OF CELLS, 1". ONE HALF WAVE BRIDGE CONNECTOR.

1/26/45 6RS CAT#112F81V CRV:W-306545 P3
JAN. 45 REV 1

CFT-20372 QGB
RECTIFIER-SELENIUM
INPUT: 157V/1160-, 0.28 AMPS. OUTPUT: 120V, 0.28 AMPS. AT 60°C COMPLETE UNIT 2 STACKS, 12 DISCS PER STACK. BRIDGE CONNECTED.

1/26/45 CAT#4D12CV1 CRV:W-306484P63
JAN. 45 REV 3

CIT-20373 QGB
RECTIFIER-SELENIUM
INPUT: 80V/1150-, 0.75 AMPS OUTPUT: 60V MAX, 0.75 AMPS DC AT 60°C COMPLETE UNIT BRIDGE CONNECTED 2 STACKS, 8 DISCS PER STACK. BRIDGE CONNECTED.

1/26/45 CODE #11D8AV1 CRV:306545 P7
JAN. 45 REV 1

CAY-20374 MK B MOD 4
RECTIFIER, COPPER OXIDE;
INPUT 27V AC. OUTPUT 24V DC 0.6 AMPS.

2/2/45 S71312282 2-C-8081
MAR. 45 CHANGE 4

CW-20375 QGA
VARISTOR (COPPER OXIDE RECTIFIER): INPUT: 4.5 VOLTS RMS, 0.016 AMPS. OUTPUT: 3.0 VOLTS MAX, 0.015 AMPS DC MAX. AMBIENT TEMP. 40°C. MAX. OPERATING TEMP. 60°C.

QGA:745-20 ALT 0. CRV:W-131113 REV 2
2/17/45 D-99946 *SEE ABOVE
MAR. 45

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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CAOR-20376 OBO
 COPPER OXIDE RECTIFIER;
 RATED 5 MA, 3 VOLTS DC, BRIDGE TYPE.
 FULL WAVE RECTIFIER, SIMILAR TO -20031
 EXCEPT SEALED IN SHIELDED CAN WITH MOUNT-
 ING BRACKETS. INPUT 4.7 VOLTS RMS.

2/20/45 CAY:971236
 MAR. 45 MODIFIED

CW-20377 JT
 COPPER OXIDE RECTIFIER:
 FORWARD CURRENT IS 0.004 AMP DC, RES AT
 MAX CURRENT IS 400 OHMS, MAX REVERSE DC
 VOLTS IS 3V REVERSE RESISTANCE 1.5 X
 10,000,000 OHMS.

2/20/45 CW:D-162426 CRV:W-13113
 MAR. 45 REV. 2

CW-20378 JT
 COPPER OXIDE RECTIFIER:
 FORWARD MAX CURRENT 0.004 AMP DC AND
 RES AT MAX CURRENT IS 1200 OHMS, RE-
 VERSE CURRENT DC 9V & REV. RES. IS 4.5 X
 10,000,000 OHMS, FORWARD RES AT 0.01 MAX
 CURRENT IS 4500 OHMS.

2/20/45 CW:41B CRV:W-13113
 MAR. 45 REV. 2

CLG-20379 MAR
 VIBRATOR POWER UNIT:
 FOR OPERATION ON 24V DC, 115V AC OR DC
 OR 230V AC OR DC, OUTPUT 12V AC AND
 365V DC, RATED APPROXIMATELY 600 WATTS
 INPUT, 400 WATTS OUTPUT, RESETTNG FOR
 VOLTAGES ACCOMPLISHED BY INTERNAL SWITCH.
 UNIT IS HOUSED IN SUBMERSION-PROOF CASE.
 2/20/45 CRV:M-43916
 MAR. 45 REV. 1

CLG-20379
 HAS CARRYING HANDLES ON SIDE.

CARL-20380 OBO
 VIBRATOR:
 SYNCHRONOUS WITH CONTACTS CLOSED APPROX-
 IMATELY 60% OF CYCLE, OPERATING VOLTAGE
 6.3V, 60 CPS.

2/20/45 CARL:75829-1
 MAR. 45

CFT-20381 SP-1M
 RECTIFIER, SELENIUM:
 INPUT 126 VOLTS, 1 PHASE, 7.4 AMPS.
 OUTPUT 69 VOLTS MAX, 7.4 AMPS DC MAX.
 AT 35°C, 2 STACKS, 2 DISCS PER STACK.

2/23/45 19074RV1 OR CFT:1909AV1
 MAR. 45 1909AV1

CARL-20382 JT
 CONVERTER:
 SYNCHRONOUS TYPE, INPUT VOLTAGE (TERNS,
 1-6 115V AC, CONTACTS RATED 5V, 0.001
 A DC.

2/27/45 75829-1 CRV:W-131096
 MAR. 45 CHANGE 4

CFT-20383 SO-2
 SELENIUM RECTIFIER:
 INPUT: 59 VOLTS, SINGLE PHASE, 60 CYCLES
 3.5 AMPS, OUTPUT: 40 VOLTS MAX, 3.5 AMPS
 DC MAX AT 35°C, ONE STACK OF 12 DISCS.

2/28/45 1584RV1 CRP:32-5004
 MAR. 45 SUB. 0

CMA-20384 MBM
 VIBRATOR, POWER UNIT:
 INPUT 6V, 9 AMP DC, OUTPUT 350V, 100
 MA DC, INCLUDES R.F. FILTER, SYNCHRONOUS
 TYPE.

3/2/45 VP395
 MAR. 45

CMA-20385 MBM
 RECTIFIER, MAGNESIUM SULPHIDE:
 RATED 10.8V AC MAX, RMS NO LOAD, 9.72V
 RMS OPERATING DC CURRENT: 25 AMPS MAX
 INTERMITTENT; 3.8 AMPS DC CHARGING 85°C
 MAX EFFICIENT OPERATING TEMP.

3/2/45 F12C3
 MAR. 45

CAO-20386 SP-1M
 VOLTAGE REGULATOR:
 DESIGNED TO HOLD AC GENERATOR OUTPUT
 VOLTAGE WITHIN 2% OF NOMINAL RATED
 VOLTAGE (44 HAND WIDTH) FROM NO LOAD TO
 FULL LOAD, WILL RESTORE VOLTAGE TO NOR-
 MAL WITHIN 5 SEC. AFTER TRANSIENT VOLT-
 AGE SWING, ADJUSTING RHEOSTAT TO PERMIT
 3/5/45 5660 CAO:16631.33
 MAR. 45 REV. C

CAO-20386
 ADJUSTMENT OF AC GENERATOR VOLTAGE TO
 VALUE BETWEEN 110-130 VOLTS, CONSISTS OF
 A SOLENOID COIL, 2 REGULATOR FIELD RE-
 SISTORS, 2 VOLTAGE DROPPING RESISTORS,
 CONTACT ARM, AUTOMATIC OPERATION.

CW-20387 CW-50250
 RECTIFIER POWER UNIT:
 INPUT 110 TO 125/1/50 TO 60, OUTPUT 154V
 DC, NEGATIVE 38V DC AND 20V AC FOR OPER-
 ATING FROM ONE TO FOUR NAVY TYPE
 CW-35039 RINGER OSCILLATOR WITH FIVE AS
 A MAXIMUM, 19" X 5 1/4" STEEL PANEL WITH
 16" X 5" X 4" DEEP BOX WITH COVER
 3/6/45 J68602BA-1
 MAR. 45 LIST I

CW-20387
 MOUNTED ON REAR.

CLL-20388 SO-50a
 RECTIFIER, SELENIUM:
 INPUT: 90 VOLTS MAX, SINGLE PHASE,
 OUTPUT: 60 VOLTS MAX, 0.15 AMPS DC AT
 35°C, TWO STACKS, 10 DISCS PER STACK.

3/8/45 A-4609 CLL:A-4609
 MAR. 45 REV. 1

CW-20389 SS
 VARISTOR:
 RATED 1 WATT, CONTINUOUS, CONSISTS OF 2
 PLATES, A SILICON CARBIDE VARISTOR DISC
 AND ASSOCIATED PARTS, BETWEEN 70° AND
 85°F WITH 20 VOLTS DC APPLIED BETWEEN
 TERMINALS IN EITHER DIRECTION, THE CUR-
 RENT SHALL BE 0.003 AMP MIN. AND 0.011
 3/8/45 D-166709 ESA-625944
 MAR. 45 ISS. 7

CW-20389
 AMP MAX, WITH 10 VOLTS DC APPLIED THE
 CURRENT SHALL BE 1/16 OF VALUES FOR 20
 VOLT OPERATION.

CW-20390 MK 3 MOD 2
 VARISTOR:
 RESISTANCE AT 0.0015 AMP IS 308,000 OHMS
 ±42,000 OHMS, RESISTANCE AT 0.00015 AMPS
 IS APPROX. 6.0 TIMES RESISTANCE AT
 0.0015 AMPS, IS A SILICON CARBIDE TYPE
 VARISTOR FOR USE AS A VOLTAGE LIMITER,
 AND HAS MOISTURE RESISTANT FINISH.
 3/12/45 D-168554 ESA-662126
 MAR. 45

CW-20391 MK 3 MOD 2
 VARISTOR:
 RESISTANCE AT 0.010 AMP IS 5600 OHMS ±
 1400 OHMS, RESISTANCE AT 0.001 AMP IS
 APPROX 6 OHMS RES AT 0.010, IS A SILICON
 CARBIDE TYPE VARISTOR FOR USE AS A VOLT-
 AGE LIMITER, AND HAS MOISTURE RESISTANT
 FINISH.
 3/12/45 D-168708 ESA-662127
 MAR. 45

CMA-20392 NK 3
 VIBRATOR POWER UNIT:
 INPUT 6 VOLTS 5 AMPS DC; OUTPUT 300
 VOLTS 0.1 AMPS DC, SELF-RECTIFYING.

3/12/45 6A325A
 MAR. 45

CZV-20393 AN/SPR-2A
 RECTIFIER, COPPER OXIDE:
 INPUT 23V AC 60 CYCLES, OUTPUT .035V
 DC 0.8 MA MAX.

3/13/45 A-4 CCT#45514
 MAR. 45

CMA-20394 NK-8
 VIBRATOR POWER UNIT:
 INPUT 12 VOLTS, 2.5 AMPS DC; OUTPUT
 300V DC 0.1 AMPS, SELF RECTIFYING.

3/13/45 12A325A 1000Z-21
 MAR. 45 REV. 1

CAOR-20395 AN/SPT-6A
 RECTIFIER, SELENIUM:
 INPUT OUTPUT: 26 VOLTS DC, 2.4 AMPS DC,
 1 SET OF STACKS.

3/16/45 1E022S2 CKV:L-63300-9
 MAR. 45 REV. 10

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CFD-20396 LX-1 RECTIFIER POWER SUPPLY: INPUT 115 OR 230/1/40 TO 60. 35 WATTS. OUTPUT 6.3/1/40 TO 60 AT 0.55 AMPS 150V DC (REGULATED) AT 0.15 AMPS. CONSISTS OF 6X5 GT/G RECTIFIER TUBE WHICH PROVIDES A SOURCE OF DC AND IS STABILIZED AT 150V BY A VR150-30 TUBE AND A SWITCH CG-24002 3/19/45 CFD-180-590-1 CFD-180-590-1 APR. 45			CG-20402 SK-1M RECTIFIER, SELENIUM: INPUT: 18V, 1 PHASE, FULL WAVE, 25160 CPS. OUTPUT: 12V, 10 AMPS.	3/23/45 6RS41H2 APR. 45	K-8403481 FIG 3, REV 2	CQC-20409 MAR, RDR 16C11 (RE) RECTIFIER POWER UNIT: OPERATES FROM 115/1/50. SUPPLIES OPERATING VOLTAGES TO NAVY TYPE -23437. SELECTOR CONTROL UNIT AND -23496 REMOTE CONTROL INDICATOR UNIT WHEN OPERATING WITH MODELS RDR AND MAR. 4/5/45 MAY 45		
BY WHICH EITHER POSITIVE CFD-20396 OR NEGATIVE SIDE OF POWER SUPPLY MAY BE GROUNDLED, AND AN "ON OFF" TOGGLE SWITCH CG-24001 WITH A RECEPTACLE IN INPUT FOR ATTACHMENT CORD, A FILTER CIRCUIT FOR MINIMIZING RF LEAKAGE TO THE POWER LINE IS PROVIDED AT THE INPUT. ENTIRE UNIT IS FUNGUS PROOFED.			CKB-20403 PR RE13A1077A RECTIFIER POWER UNIT: ADDENDUM 1 INPUT: 115/1/50 OR 60. OUTPUT: 360V DC AT 0.40 AMPS; 300V DC AT 0.18 AMPS; 22 VOLTS (BIAS)- 6.3V, 5.5 AMPS. AC. CENTER-TAPPED; 6.3V, 2.0 AMPS A.C. CENTER-TAPPED. FURNISHES POWER TO TYPE CKB-50252 AMPLIFIER UNIT AND TYPE CPK-67015 RE-3/23/45 APR. 45			CFT-20410 T8S RECTIFIER, SELENIUM: INPUT: 405V, RMS MAXIMUM. OUTPUT: 140 MA DC MAXIMUM AT 55°C AND 163 VOLTS MAXIMUM. 28 STACKS. 4/10/45 4D1344 MAY 45		CRV:K-891698 SUB. 3
CAIU-20397 QJA RECTIFIER SELENIUM: INPUT RATED 115V, 60 CPS, 0.25 AMP. OUTPUT RATED 95 VOLTS DC, 0.15 AMP. CONSISTS OF ONE NAVY TYPE -302009 TRANSFORMER AND RETARD COIL ASSEMBLY, ONE NAVY TYPE -20398 SELENIUM VARISTOR, AND TWO CAPACITORS. 3/19/45 KS-5989 APR. 45		CW:KS-5989 FIG 1 ISS. 2	CKB-20403 PRODUCER UNIT. MOUNTED IN CASE.			CFT-20411 T8S RECTIFIER, SELENIUM: INPUT: 550 VOLTS RMS MAXIMUM. OUTPUT: 280 MA DC MAXIMUM AT 55°C AND 220 VOLTS MAXIMUM. 38 STACKS. 4/10/45 5H38ALX1 MAY 45		CRV:M-480717 SUB. 3
CG-20398 QJA VARISTOR, SELENIUM: INPUT RATED 162V AT 0.3 AMP. OUTPUT RATED 115V DC AT 0.3 AMP. CONSISTS OF 4 SECTIONS EACH HAVING NINE SELENIUM DISCS.			CABR-20404 TCZ-1 RECTIFIER, SELENIUM: INPUT: 135/1/60, 0.4 AMPS. OUTPUT: 105V ±5% AT 35°C. ONE STACK OF 32 DISCS. 100 HOUR SALT SPRAY TEST.	3/24/45 298S1 APR. 45	COL-353000100 REV. 0	CW-20412 ECL-4 VARISTOR: ASSEMBLY INCLUDING THREE SILICON CARBON DISCS IN SERIES. INDIVIDUAL DISCS RATED 75V DC MIN. AT 0.002 AMPS OR 149V DC MAX. AT 0.006 AMPS. 3 DISCS IN SERIES RATED 240V DC MIN. AT 0.002 AMPS OR 400V *CBM-100064 ALT D 755-3026 ALT 2 4/11/45 MAY 45		*SEE ABOVE
3/19/45 6RS5E1V APR. 45		CAIU:DT1291-3 9/29/45	CIT-20405 TCZ RECTIFIER, SELENIUM: INPUT: 137.8/1/60, 0.4 AMPS. OUTPUT: 105V DC MAX, 0.3 AMPS, AT 35°C. ONE STACK OF 32 PLATES.	3/24/45 388C1 APR. 45	COL-3532500 00 REV. 0	CW-20412 DC MAX. AT 0.006 AMPS. RATIO OF VOLTAGE @ 0.002 AMPS TO VOLTAGE @ 0.006 AMPS IS 1:3 MAX. DISCS ARE CW TYPE D-157232.		
CFT-20399 TCS-9,10,11,12 RECTIFIER, SELENIUM DRY DISC: INPUT: 15.6/1/60, 1.45 AMPS. OUTPUT: 12 VOLTS, 1.2 AMPS DC. ONE STACK OF 8 DISCS.			CGQ-20406 EAO RECTIFIER UNIT: INPUT: 115/1/60, 0.3 AMPS. DC OUTPUT: +135V, +90V, -15V AND -6V BIAS, -1.4V OR -3V. MECHANICALLY INTERCHANGEABLE WITH -20124 RECTIFIER UNIT BUT ELECTRICALLY DIFFERENT. 3/29/45 APR. 45			CAY-20413 TBK-16 RECTIFIER, COPPER OXIDE: INPUT: 1700/3/50-50. OUTPUT: 2000V DC MAX, 0.7 AMPS. SIX STACKS OF 100 DISCS EACH. 4/11/45 S#1303807 MAY 45		CAY:P-7709078-4 SUB. 12
3/20/45 481C2 APR. 45		COL-353270000 REV. 0	CNA-20407 RDZ RECTIFIER POWER UNIT: OPERATES FROM 110/115/120 VOLTS, SINGLE PHASE, 50/60 CYCLES. SUPPLIES ALL VOLTAGE REQUIRED BY RDZ EQUIPMENT. 3/30/45 BM:131 APR. 45			CLG-20414 MAR VIBRATOR: FOR OPERATION ON 24V 120 CPS. MUST START ON 20 VDC. TANDEM WITH INSULATED SIDE REED. USES SPECIAL CANE METAL BOX. PLUG-IN TYPE WITH TWO 6 PRONG POLARIZED MALE RECEPTACLES; HAS TWO PULL-OUT RINGS. FOR USE IN NAVY TYPE CRV-20379 VIBRATOR 4/12/45 CLG:AA-16778-1 MAY 45		CLG-P-728105 PART I SUB 0
CABR-20400 VF RECTIFIER, SELENIUM: INPUT: 42 VOLTS SINGLE PHASE. OUTPUT: 25.5 VOLTS, 5.2 AMPS DC MAX AT 35°C. AT 60°C AMBIENT INPUT 33.6 VOLTS AC, OUTPUT 1.56 AMPS. RATINGS BASED ON OPERATION INTO RESISTIVE LOAD WITH RECTIFIER CONVECTION COOLED. 2 STACKS, 6 3/21/45 2G083S1 APR. 45		CRP-32-5014	CFT-20408 SP-1M RECTIFIER, SELENIUM: INPUT: 126 VOLTS, SINGLE PHASE, 0.3 AMPS; OUTPUT: 92 VOLTS, 0.3 AMPS DC. ONE STACK OF 4 DISCS. 4/4/45 387CV1 MAY 45		CFT:SPEC.387CV1 FIG. 6	POWER UNIT.		CLG-20414
DISCS PER STACK.			CFT-20401 SC-4 RECTIFIER, SELENIUM: INPUT: 115/1/60, 1.11 AMPS. OUTPUT: 80 VOLTS, 1 AMP DC MAX. 2 STACKS. 3/22/45 900612R APR. 45					
		CG:M-7469200-1 REV. 2						

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION																							
CZV-20415 SP-1H RECTIFIER, COPPER OXIDE: INPUT: 10C VOLTS 60 CYCLES. OUTPUT: 0.96 TO 1.0 MA DC. ONE STACK OF TWO DISCS.	4/13/45 MAY 45	CYT-2248-2A	CAIU-20422 QDA RECTIFIER POWER UNIT FULL WAVE ELECTRON TUBE RECTIFIER FOR CHANGING 110.4-119.6 VOLT, 67-63 CYCLE, SINGLE PHASE POWER INTO REGULATED 300 VOLT, 400 MA FILTERED DC OUTPUT. ALSO SUPPLIES A POSITIVE 103-113 VOLT, 15-25 MA. FILTERED DC OUTPUT. MAXIMUM RIPPLE 4/28/45 KS-15150 MAY 45	5/12/46 MAY 45	CDE-20428 YR MODULATOR BIAS RECTIFIER PROVIDES THE GRID BIAS VOLTAGE FOR THE 849 MODULATOR TUBES. THE BIAS VOLTAGE IS VARIABLE, BY MEANS OF TRANSFORMER TOPS, FROM 75 TO 125 VOLTS. ONE 5R4GY IS USED AS THE HIGH VOLTAGE RECTIFIER TUBE.	CABR-20416 TDQ RECTIFIER, SELENIUM INPUT: 18.5/1/60. 1.265 AMPS. OUTPUT: 12.5 VOLTS MIN. 1.1 AMPS DC MAX. AT 50°C. ONE STACK OF 4 DISCS.	4/14/45 19951 MAY 45	CRV:M-440977-1 REV. 3	CAIU-20422 VOLTAGE IS 0.5 VOLT. HINGED FRONT PANEL IS ARRANGED WITH AN A.C. DISCONNECT SWITCH AND A REMOTE GUARD LAMP SWITCH.	5/12/46 MAY 45	CDE-20429 YR RECTIFIER POWER UNIT PROVIDES FILAMENT VOLTAGE FOR NAVY TYPE- 50283 DRIVER AMPLIFIER AND -55100 METER-AUDIO OSCILLATOR. ALSO DELIVERS 300 VOLTS AT 250 MA DC. TWO 5R4GY TUBES ARE CONNECTED IN PARALLEL AS HIGH VOLT- AGE RECTIFIERS.	CRV-20417 TBS SERIES RECTIFIER POWER UNIT INPUT: 220 OR 440/3/60 0.71 AMPS (PER PHASE). 509 WATTS. CONSISTS OF 2 SEPARATE 3 PHASE, DELTA BRIDGE CONNECTED DRY DISC SELENIUM TYPE RECTIFIERS: ONE FOR HIGH VOLTAGE SUPPLY OF 875V, 0.35 AMPS DC. WITH 17 STACKS; AND THE OTHER, LOW VOLT- 4/25/45 X-895087 MAY 45 SUB 0	4/28/45 19951 MAY 45	CRV:M-440977-1 REV. 3	CAIU-20423 QDA RECTIFIER POWER UNIT HAS 3 SEPARATE FULL-WAVE RECTIFYING CHANNELS. OPERATES FROM A 110.4-119.6 VOLT, 57-63 CYCLE, SINGLE PHASE A.C. POWER AND FURNISHES FOLLOWING OUTPUTS: (1) +120 VOLTS, UNREGULATED AND GROUNDED. 120-160 VOLTS NO LOAD, 55-95 VOLTS WITH 4/28/45 XS-15157 MAY 45	5/12/46 MAY 45	CDE-20430 YR RACK AND HIGH VOLTAGE RECTIFIER: CONTAINS A HIGH VOLTAGE REC- TIFIER, POWER CONTACTORS, TIME DELAY AND OVERLOAD RELAYS MOUNTED IN BASE OF RACK. USED TO MOUNT THE FOLLOWING NAVY TYPES: -20428, -20429, -29651, -35100, -50263.	AGE SUPPLY 300V, 0.22 CRV-20417 AMPS DC WITH 6 SMALLER STACKS. INCLUDES 2 TRANSFORMERS, EACH CONSISTING OF 3 SINGLE-PHASE TRANSFORMERS POTTED IN A SINGLE CAN; CONNECTED IN PARALLEL FOR 220 VOLTS AND IN SERIES FOR 440 VOLTS. 2 TAPS ON SECONDARY WINDINGS PROVIDED FOR COMPENSATING FOR VOLTAGE DRCP. HIGH & LOW VOLTAGE CIRCUITS PROTECTED BY 0.5 AMPS, 1000 VOLTS, FUSE IN POSITIVE LEAD.	5/16/45 S#842046 MAY 45 CBM:909-7	CFT-20418 TEC RECTIFIER, SELENIUM INPUT: AC NEW 16.2V. AGED 17V.. 3.6 AMPS MAX CONTINUOUS 1Φ. OUTPUT: 12.5V DC.. 6.3 AMPS. LOAD. RESISTIVE INDUCT- ANCE CONTINUOUS DUTY. 50°C AMBIENT TEMPERATURE. NORMAL CONVECTION COOLING.	4/28/45 784AVI MAY 45	CW:BA-10018-2 ISSUE 4	CAIU-20424 QDA TRANSMITTER-RECEIVER POWER SUPPLY: CONSISTS OF 1 CW-10535 TRANS- MITTER-RECEIVER POWER CABINET, 1 CAIU- 20422 RECTIFIER POWER UNIT, 1 CAIU-20423 RECTIFIER POWER UNIT AND 1 CAIU-23503 POWER CONTROL UNIT.	5/19/45 20931 MAY 45	COL:553 2800 00 REV 08936	CFT-20419 MK 22 RECTIFIER, SELENIUM INPUT: 56V AC MAX. OUTPUT 35V DC. 4.0 AMPS.	4/28/45 784AVI MAY 45	CW:BA-10018-2 ISSUE 4	CAIU-20425 CRV-50254 RECTIFIER, SELENIUM INPUT 18.5V, 60 CYCLES. OUTPUT 12.5V. MIN. RESISTIVE LOAD OF 1.1 AMPS. CANCELLED-SAME AS -24116.	5/21/45 289CV1 JUN. 45	CFT-20433 YR RECTIFIER, SELENIUM: INPUT: 130V MAX SINGLE PHASE 0.045 AMPS MAX. OUTPUT: 100V 0.03 AMPS. RESISTIVE INDUCTIVE LOAD. CONTINUOUS DUTY 60°C AMBIENT TEMP. NORMAL CONNECTION COOLING.
CAIU-20420 MK 22 RECTIFIER, SELENIUM ONE BRIDGE CONSISTS OF 4 UNITS OF 20 DISCS EACH. INPUT FOR BRIDGE: 252 VOLTS RMS MAX. OUTPUT: 128V DC AT 1.6 AMPS, OR 2 AMPS MAX. VARNISHED TO WITHSTAND HIGH HUMIDITY. AMBIENT TEMP. RANGE: -10°C TO +50°C.	4/28/45 CAIU:RS 72 MAY 45 CG:6RS58CV	CAIU:RS-1291-7 ALT 0	CG-20426 TEM 16TTS(RE) RECTIFIER POWER UNIT INPUT: 230/1/50 OR 60. 20 KVA. OUTPUTS: 17.500V DC AT 0.6 AMPS; 1500V DC AT 0.1 AMPS; 345V DC AT 23.0 AMPS. PART OF TYPE CG-52359 TRANSMITTER ASSEMBLY.	5/2/45 MAY 45	CG:SK-62647-13- 107	CAIU-20421 MK 22 RECTIFIER, SELENIUM INPUT: 36 VOLTS RMS MAX. OUTPUT: 24V DC, 0.4 AMPS. UNIT CONSISTS OF 8 DISCS. VARNISHED TO WITHSTAND HIGH HUMIDITY. AMBIENT TEMP. RANGE: -10°C TO +50°C.	4/28/45 CAIU:RS 52 MAY 45 CG:6RS42AVI	CAIU:RS-1291-6 ALT 0	CRV-20427 QFM RECTIFIER POWER UNIT INPUT: 115/1/60, 300 WATTS APPROXIMATE- LY. OUTPUTS: 150 AND 300V DC, THREE 6.3 VOLT HEATER CIRCUITS AND ±60V DC FOR STEP-MOTORS ON TARGET SCREEN; REGULATED 115V AC TO TYPE CRV-60145 SIGNAL GENERA- TOR.	5/8/45 MI-16809 MAY 45	W-308590 SUB 0																				