CLASS 50

AMPLIFIERS, MODULATOR
COUPLER UNITS
ELECTRONIC CONVERTERS
MIXING PANELS

•			
			ڪ

3.50-1

Company   Comp	Converters—Mixing Panels								
### CONTINE POWER	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		NAVY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPI	DRAWING CIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING
17-755030   17-755030   17-755030   17-755030   17-755030   17-755030   17-755030   17-755030   17-755030   17-755030   17-750305   17-7	AMPLIFIER	ŤBC	XA-8139		AMPLIFIER		AMPLIFIER '	LINE	
POOLE APPLIFIER 115 Y, WRIT. 116 Y, WRIT. 117 Y, WRIT. 11		149A							
12/13/25 E-144-A   735010 0-1   12/13/25 E-5A1   9/9/35   12/13/25 E-5A1	POWER AMPLIF		XA-8211		AMPLIFIER - LINE		AMPLIFIER-R	ADIO FREQUENCY	
Composition	3/4/32 RT-								(2512)
374732   RT-144-B   R-755010 0-2   S7473   NOV. 41   N	POWER AMPLIF		XA-8211		AMPLIFIER		CBM 500 <b>17</b> AMPLIFIER		
######################################	3/4/32 RT-								
NOV. 41  RN- 50004 JC & JC & JC RW SOF 442  RN- 50004 AMPLIFIER  6/9/12  NOV. 41  RN- 50005 JC & JC AMPLIFIER.  RN- 50006 JC AMPLIFIER.  8/11/32  RN- 41  RN- 50006 JC AMPLIFIER.  8/11/32  RN- 41  RN- 50006 JC AMPLIFIER.  8/11/33  RN- 41  RN- 50006 JC AMPLIFIER.  8/11/34  RN- 50006 JC AMPLIFIER.  8/11/35  RN- 41  RN- 50006 JC AMPLIFIER.  8/11/34  RN- 41  RN- 50006 JC AMPLIFIER.  8/11/34  RN- 41  RN- 50006 JC AMPLIFIER.  8/11/34  RN- 41  RN- 6RN- 50020  RN- 6RN- 50020  RN- 6	AMPLIFIER		2 55RE50F1079		RECEIVER AMPLIFIER 15 TO 55 KC OPERATES FROM 110		AMPLIFIER		55RE50F1082
AMPLIFIER AMPLIFIER.  6/9/32 NOV. 41 NOV. 41  RN- 50005		4	SK. #2355		NOV. 41			i 8	
NOV. 41  RN-50005 JC & JC RN 50F 443  RN-50005 JC & JC RN 50F 443  AMPLIFIER - CABINET FOR TYPE 50004 AMPLIFIER.  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/52  8/11/53  8/11/52  8/11/52  8/11/53  8/11/52  8/11/54  8/11/52  8/11/52  8/11/52  8/11/54  8/11/52  8/11/54  8/11/52  8/11/54  8/11/52  8/11/54  8/11/52  8/11/54  8/11/52  8/11/54  8/11/5		IC & IC	·RW 50F 442	,	AMPLIFIER - LINE		SENSITIVIT	Y CONTROL	55RE50F1081
##PLIFIER - CASINET								5 SE	
NOV. 41  CTM 50006 JK APPLIFIER - LINE SOUND RECEIVER.  CRV 50013 UA AMPLIFIER - LINE WITH TYPE 53021 FILTER.  CRV 50016 FOR USE WITH CBM-50020.  11/29/32 NOV. 41  CG-50007 RAF AMPLIFIER - LINE AMPLIFIER - LINE AMPLIFIER - LINE WITH TYPE 53022 FILTER.  CRV 50014 UA AMPLIFIER - LINE WITH TYPE 53022 FILTER.  12/9/32 NOV. 41  ASSIGNATE INV. 41	AMPLIFIER .	CABINET			AMPLIFIER - LINE		AMPLIFIER		55RE50F1083A
CTW 50006 JK AMPLIFIER - LINE SOUND RECEIVER,  11/29/32 NOV. 41  CC- 50007 RAF AMPLIFIER - LINE AMPLIFIER - LINE AMPLIFIER - LINE NOV. 41  CC- 50007 RAF AMPLIFIER - LINE WITH TYPE 53022 FILTER.  12/9/32 NOV. 41  ASSIGNED INV. 41	NOV. 41		,						
NOV. 41  CC- 50007 RAF XA-8454  CRV 50014 UA CRV 50022 RAA-1  AMPLIFIER - LINE AMPLIFIER ASSEMBLY INTERMEDIATE AND AUDIO FREQUENCY.  12/9/32 . M-7461148  NOV. 41  ASSIGNIB INSUED  SUID  SUID  SUID  SUID  SUID  185016  NOV. 41  ASSIGNIB ISSUED	CTH 50006				AMPLIFIER - LINE		SENSITIVIT	CONTROL	
AMPLIFIER - LINE  AMPLIFIER - LINE  AMPLIFIER - LINE  AMPLIFIER - LINE  AMPLIFIER ASSEMBLY  INTERHEDIATE AND AUDIO FREQUENCY.  12/9/32  NOV. 41  ASSIGNED  ISSUED  NOV. 41  ASSIGNED  ISSUED									
NOV. 41 NOV. 41 ASSIGNED NOV. 41 ISSUED ISSUED			XA-8454		AMPLIFIER - LINE		AMPLIFIER A	SSEMBLY	REQUENCY.
ASSIGNED ASSIGNED ISSUED ISSUED			. H-7461148						
	DATE - M	MUFACTURER'S	MANUFACTURER'S		DATE MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S	ISSUED	DATE	MANUFACTURER'S DESIGNATION	ATTANT STRUCKS

HAYY TYPE DESIGNATION FIRST ASSIGNED FOR MAYY DRAWING OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION
CRY 50022-A RAA-3 AMPLIFIER ASSEMBLY INTERMEDIATE AND AUDIO FREQUENCY.	CRV 50024-C RAB-3 Amplifier Audio Frequency	CBM 50031-A JK-2a 55RE50F109. AMPLIFIER SAME AS 50031 EXCEPT OMITS "RED-LIGHT" OUTPUT.
11/18/35 NOV. 41	11/18/35 NOV. 41	12/10/35 603-A NOV. 41
CRY 50023 RAB-1 AMPLIFIER ASSEMBLY INTERMEDIATE AND AUDIO FREQUENCY.	CBM 50025 NM-1 55RE50F1080A AMPLIFIER Sound Receiver.	CBM 50032 NM-1 & AMPLIFIER
3/6/34 NOV. 41	3/21/34 NOV. 41	12/20/34 574F NOV. 41
CRY 50023-A RAB-2 AMPLIFIER ASSEMBLY INTERMEDIATE AND AUDIO FREQUENCY.	CRV 50026 RAE-1 AMPLIFIER - COUPLING	CRE 50033 QA AMPLIFIER - R.F. 25 - 35 KILOCYCLES.
1/10/35 NOV. 41	5/5/34 FA41A1 T-601311 NOV. 41 HI-8622	4/15/35 NOV. 41
CRY 50023-8 RAB-2& AMPLIFIER ASSEMBLY INTERMEDIATE AND AUDIO FREQUENCY.	cBM 50027 qc-2 Amplifier	CBH 50034 JL-4 AMPLIFIER A.C. SUPPLY.
1/10/35 NOV. 41	7/7/34 668A NOV- 41	4/18/35 514-C NOV. 41
CRV 50023-C RAB-3 AMPLIFIER ASSEMBLY INTERMEDIATE AND AUDIO FREQUENCY.	CBM 50028 NM-2 Amplifier	CRV 50035 QC-3&NM-3 AMPLIFIER
11/18/35 NOV. 41	7/7/34 Nov. 41	5/8/35 K-823552 NOV. 41
CRY 50024 RAA-1&RAB-1 AMPLIFIER AUDIO FREQUENCY	CBM 50029 QC-1 Amplifier	CRY 50036 TBH-1 & 2 AMPLIFIER - AUDIO INPUT IMPEDANCE 250 OHMS: OUTPUT IM- PEDANCE 500 OHMS; 90 DB MAX. GAIN: MAX OUTPUT 50 MILLIMATIS. PLUS OR MINUS I DB. 60-8000 C.P.S.
3/14/34 NOV. 41	11/28/34 568D NOV. 41	12/4/35 OP-4 T-600934 NOV. 41
CRY 50024-A RAB-2& AMPLIFIER AUDIO FREQUENCY.	CBM 50030 NG-2 AMPLIFIER	CRM 50037 QC-4 RECEIVER AMPLIFIER
1/10/35 NOV. 41	12/14/34 599 NOV. 41	12/10/35 599-E NOV. 41
CRY 50024-8 RAA-3 AMPLIFIER AUDIO FREQUENCY	CBM 50031 JK-2&QB-1 55RE50F1093A AMPLIFIER	CBM 50038 NM-4 RECEIVER AMPLIFIER
11/18/35 NOV. 41	12/14/34 598A NOV. 41	12/10/35 599-0 NOV. 41

3.50-3

			Converter	s—Mixing P	anels			0.00-0	
MAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION	MAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	on syy cricking	MAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION	
CBH 50039 ANPLIFIER	NH-5	55RE50F1095A	CBM 50046 AMPLIFIER - RATHBURNE.	NM 4â 18 KC FOR			NIT MTG BASE ER SHOCK REDUCE	RS - FOR TYPE	
2/26/36 57 NOV. 41	4-G .		12/28/38 699 NOV. 41	)F		1/19/38 NOV. 41	A-C55253-1	A-C55253-1	
AMPLIFIER -	FOR CONVERSI 9. QC-1a EQU N. SAME AS 5	IIPMENTS FOR 16	CRR 50047 AMPLIFIER AS FOR INTERPHO	SSEMBLY		SPEECH AMI	5 CRV-50064 PLIFIER RANGE 300 TO 3	000 KC.	
12/28/36 568 NOV. 41	8 Н		7/10/37 282 NOY. 41	:		3/25/38 NOV. 41		P-717164 REV (	
REC-AMPLIFIE SIMILAR TO C QUENCY (24 KC	ER CBM-50039 EXC CS) AND ADDIT		CBM 50048 BINAURAL AMP FIRST USED I COMPENSATOR.	LIFIER N OUTPUT OF	55RE50J1100A	POWER AMP	RANGE: 4 TO 26	MC; OUTPUT: 50	
2/23/36 568 NOV. 41	3-F		11/22/37 742 NOV. 41	A		10/18/38 4 NOV. 41	441341		
CBM 50041 REC - AMPLIF SIMILAR TO -		18 KCS.	CRV 50049 LINE AMPLIFI SAME AS 5000 FILTER.		)ÚT BAND PASS	RA- 50057 Loop coupt 15 KC TO	LING UNIT		
2/23/36 568 NOV. 41	3 <b>- G</b>		12/20/37 NOV. 41			2/3/39 NOV. 41			
CBM 50042 AMPLIFIER - ± 8%. (RECT			CRR 50050 COUPLER UNIT 220 TO 8000			RA- 5005 AMPLIFIER I KM OUTP OPERATION CYCLES.		CTIFIER UNIT F	
4/23/36 721 NOV. 41			1/19/38 L-7 NOV. 41	0416-1 L	-70416-1	5/12/39 NOV. 41			
CW- 50043 AMPLIFIER UN RANGE: 200 -	IT IF-AF	·	CRR 50051 COUPLER UNIT 220 TO 1500			AMPLIFIER DC. SIGNAI SECOND. M. Minute. I Cy. Ac. O	BE KEYER UNITS: CONVERTER AC T L FREQ 300 TO ; AX KEYING SPEED NPUT 110 TO 120 UTPUT DC, 1 WAT	O DIFFERENTIAL O.000 CY, PER 500 WORDS PER VOLTS 50 TO 60 T, 1600 OHMS. T	
4/24/36 NOV. 41			1/19/38 N-9 NOV. 41	0161-1 N	-90161-1	6/27/39 NOV. 41	AME FUNCTION AS	-50009.	
CH- 50044 RAM AMPLIFIER UNIT 1F-AF RANGE: 1500 - 13,575 KC.			COUPLER UNIT	CRR 50052 DW COUPLER UNIT 220 TO 1500 KC.			CJF 50060 RAU RECORDER PRE-AMPLIFIER FREQUENCY RANGE O TO 200 CYCLES. FOR OPERATION FROM 115 VOLTS, 60 CYCLES. INCLUDES VOLTAGE REGULATOR CIRCUITS. SAME AS 50109.		
4/24/36 NOV. 41			1/19/38 N-7 NOV. 41	0416-2 N	1-70416-2		CYCLORAY AMPLIFIER	CJf:P-39579 SUB 0	
CRR 50045 DIRECTION FI UNIT 220 T	NDER COUPLING	RW 13A 136 G	CRR 50053 COUPLER UNIT FOR USE WITH		: 50052 UNITS.	CRR 5006 COUPLER UI FREQUENCY			
8/4/36 NOV. 41		ASSIG	1/19/38 A-A	11827 A	AI1827	4/24/40 NOY. 41		L-71901 REY B	

NAVY TYPE DESIGNATION FIRST ASSIST	NED FOR NAVY DRAWING		HAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION		HAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION
COUPLER UNIT MOUNT	& DH-I ING BASE A-27518 REV A		VOLTAGES.		CAY-50065-A1		RAA/RAB. KC, 200 TO ARRANGED F SURFACE. TRANSFORME	OUPLING UNIT - FREQUENCY RANG 4000 KC AND 4 OR MOUNTING ON USES ONE NAVY	E: 150 YO 200 000 TO 30,000 KG A VERTICAL TYPE CW-47171
SINGLE PRESELECTOR FREQUENCY RANGE 550 BANDS. INCLUDES IN	ITERNAL RECTIFIER FOR V. SINGLE PHASE, 60 A STEEL CABINET.	:	MODULATOR SUPPLY: 1 440/3/60. RATE DISC VOLTAGE H NEGATIVE	15V DC. 230V D SAME AS -5006 S HAVE BEEN AD SODULATION TRAN	C. 220/3/60 OR 5-A EXCEPT THY- DED TO THE HIGH SFORMER TO REDUC SIMILAR TO NAVY		RAK/RAL. 200 TO 400 USES ONE M ELECTRICAL -50068 EXC	COUPLING UNIT FREQUENCY RANGO KC & 4000 TO MAY TYPE CW-43 LLY THE SAME AS	SE: 150 TO 200 KC 30,000 KC. 7171 TRANSFORMER. S NAVY TYPE FOR MOUNTING ON A
CRV 50064 * SEE SPEECH INPUT EQUIP) COMSISTING OF THE F CRV-50055 SPEECH AF CRV-51011 CHEST Mil CRV-29017 RECEIVER TWO CRV-51008 HANDS	OLLOWING ITEMS: ONE PLIFIER; ONE CROPHONE ASSEMBLY; TW INPUT ATTENUATORS; & SET ASSEMBLIES.	0	CAY 5006 MODULATOR FOR OPERA 25 CYCLES	UNIT ITION FROM 220	VOLTS, 3 PHASE,		HORIZONTA	L SURFACE.	50069
* TBL-2. TBL-3, TB! 6/18/40 NOV. 41	4 & TBL-5.		7/31/40 NOV. 41	*	P-7706949 SUB	3			
CQE 50064 - A *SEE SPEECH INPUT EQUIP CONSISTS OF (1) NA SPEECH AMPLIFIER, S1008 HANDSET ASSE	MENT VY TYPE CRV-50055 (I) NAVY TYPE CRV- MBLY AND (2) NAVY EIVER INPUT ATTENU50064 EXCEPT FOR		CAY - 500 MODULATOR SUPPLY: FOR EMISS ELECTRIC LY LARGE	220/3/25. SAME SION SWITCH, WH	AS -50066 EXCEP ICH HAS SAME EQUIRES A SLIGH		RESISTANC HAVE AN A BETWEEN T	AMPLIFIER OF THO IDENTIC E COUPLED AMPL OJUSTABLE NEGA HE OUTPUT & IN DBTAIN EQUAL G	IFIERS WHICH TIVE FEED-BACK PUT STAGES IN
MAY 45  OMISSION OF THE NA CHEST MICROPHONE A TYPE CRY-51008.	CQE50064 - VY TYPE CRY-SIOII SSEMBLY AND ONE NAVY	•	CAY- 500 MODULATOR SUPPLY: 2 CEPT EXTR	220/3/25. SAME RA ROTARY SWITC IT A RELAY ON T	ES (SHORE) AS -50066-A EX- H HAS BEEN ADDE HE LAND LINE CO	D	TO 40 KW.	LIFIER RANGE: 4 TO 2 SAME AS NAVY	6 MC; OUTPUT 50 TYPE CG-50056 E IN COMPONENTS.
			6/6/44 NOV. 44				10/14/40 NOV. 41	4A1381	P-7762768 REV 0
MODULATOR UNIT ADJUSTABLE FOR OPE DC; 230 VOLTS DC;	4, 5 & 6 Ration from 115 Volts 220 Volts 3 Phase, 60 S, 3 Phase 60 Cycles.		5006 ANTENNA ( FREQUENC 4000 KG /	COUPLING UNIT Y range: 150 to	OW RAGGF208B  200 KC; 200 TO 000 KC; USES ON SFORMER.				
7/31/40 NOV. 41	P-7706949 SUB 3		# 8855 4 8/28/40 NOV. 41	56 ANT. SYSTEM			10/12/40 NOV. 41		54F101
CAY 50065-A TBM- MODULATOR UNIT ADJUSTABLE FOR OPE 230 V DC. 220/5/60 AS -50065 EXCEPT E HAS SAME ELECTRICA	7, 8  RATION FROM 115 V DC, OR 440/5/60. SAME MISSION SWITCH, WHICH L RATING BUT REQUIRES SMAFT HOLE & MOUNTS E	1 1 1 1 1	ANTENNA ( FREQUENC) 4000 KC; RANGED FO FACE. US TRANSFORE	AND 4000 TO 30	200 KC; 200 TO ,000 KC. AR- A VERTICAL SUR- PE CW-47171 ASIC NUMBER		INCLUDES TYPE RA-5 IMPULSE U TYPE CEV- CLUDES A	& IMPLUSE UNI AN AMPLIFIER F 1025 PICK UP A NIT TO OPERATE 60015 IMPULSE RECTIFIER UNIT	OR OUTPUT OF A
CAY- 50065-A1 AS MODULATOR UNIT; ADJUSTABLE FOR OPE 2304 OC. 220/5/50, -50065-A EXCEPT HA TO HIGH VOLTAGE MO TO REDUCE THE HIGH	RATION FROM 115V DC. OR 440/3/60. SAME A S ADDED THYRITE DISC DULATION TRANSFORMER	S	SEAL SPE	OR DIFFERENT EN CIFICATION TO F TION AND A NEW TION TO MINIMIZ	ACILITATE LINE TYPE BOX LID	'-A	FREQUENCY (AI); EQU PHASE, 25	POWER AMPLIFIE RANGE: 4000 T IPMENT SUPPLY: CYCLES. SIMI R POWER SUPPLY	0 26000 KC; CW 440 VOLTS, 3 LAR TO CG-50071
☆IBM-7 THROUGH 11 3/17/44 MAY 45		ASSIGNED				ASSIGNED	NOV. 41		F-7793145 REV 0
DATE MANUFACTUR	ers and something	ISSUED	DATE	MANUFACTURER'S	and the same of th	ISSUED	DATE	MANUFACTURER'S DESIGNATION	ACTUAL SAINWARA

	Conversers with my values	
DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	MAYY TYPE PERST ASSIGNED FOR ON SPECIFICATION	HAVY TYPE DESIGNATION FIRST ASSIGNED FOR MAYY DRAWING OR SPECIFICATION
RM-50075 GENERAL USE RM46F265 MIXER & KEY CLICK REV O ELIMINATOR. THREE CHANNEL MIXER WITH IMPULSE SUPPRESSOR CIRCUIT.  1/15/41 NOV. 41	RM-50080-A GEN. USE DIVERSITY MIXER: INCLUDES LIMITING DEVICES WHICH GREATLY, INCREASE RANGE OF INPUT SIGNAL, INCLUDES ISOLATING METHODS WHICH PRACTICALLY ELIMINATE INTER-CHANNEL INTERFERENCE, INCLUDES IMPROVED IMPULSE SUPPRESSING AND SIGNAL EXPANDING METHODS WHICH GREAT- 3/28/45 RMSOF1940	RW-50086 * SEE BELOW RW 52F 250A TRANSMISSION LINE COUPLING RW 50A 491 UNIT. FREQUENCY RANGE 2000 TO 18,000 KC. FOR COUPLING MODELS SERIES TAF AND TOK RADIO TRANSMITTING EQUIPMENT TRANS- MISSION LINE TO ANTENNA.  * TBF & TBK SERIES. 7/25/41 MAR. 45
NOT - 41	APR. 45 ALT D	
RN-50076 RAC-1 RW SOF 475 BARRAGE UNIT FOR COUPLING LOOP AND ANTENNA TO RF AMPLIFIER.	HLY INCREASE FLEXIBILITY RM-50080-A AND RANGE OF CONTROL. PROVIDES FOR SUB- STITUTION OF db METERS FOR MILLIAMMETERS AND REARRANGEMENT OF FRONT PANEL AND WIFFING CHANGES: USES ONLY ONE POWER SUP- PLY INSTEAD OF 2. HAS GREATER SENSITIVI- TY TO INPUT SIGNALS. SERVES SAME FUNC- TION AS TYPE -50080 BUT IS AN IMPROVED	CTF 50087 AYC  DUAL AUDIO AMPLIFIER  PROVIDES AMPLIFICATION OF DUAL 500  CYCLE FIELD RADIATED BY GROUND SYSTEM.
2/7/41 DEG. 41	MODEL. MOUNTS ON 19 INCH RELAY RACK PANEL.	10/6/41 DEC. 41
RW-50076-A RAC-12 BARRAGE UNIT FOR COUPLING LOOP AND ANTENNA TO RF AMPLIFIER. SAME AS BASIC NUMBER EXCEPT FREQUENCY RANGE EXTENDED TO COVER 16 TO 150 KC.	CG-50081 TCG 50 KH POWER AMPLIFIER FREQUENCY RANGE: 50 TO 150 KILOCYCLES; OUTPUT 50 KM CW(AI). OPERATES FROM 230 VOLTS. 3 PHASE, 60 CYCLES.	RW-50088 CENERAL USE RW 50A 265A DIPLEX ANTENNA COUPLING UNIT; CONSISTS OF AN ADJUSTABLE INDUCTOR AND THO NAVY TYPE CIM-481274 CAPACITORS.
1/22/44 Mar. 44	3/31/41 4A14A1 T-7966321 REV O	7/31/41 MAR. 42
RW 50077 RAC-1 RW SOF 476 RF AMPLIFIER FREQUENCY RANGE: 12 TO 80 KCS. INCLUDES DETECTOR.	RA-50082 XAQ MODULATOR UNIT PROVIDES MODULATION FOR TYPE RA-52200 RADIO TRANSMITTER AT 175 TO 225 KCS.	RM - 50088 - A RM 50F497A RM 50F497 DIPLEX ANTENNA COUPLING UNIT: SAME AS -5008 EXCEPT FRAME AND COVER MADE OF STEEL INSTEAD OF ALUMINUM, AND CASE IS 1/2" LESS IN DEPTH.
2/7/41 DEC. 41	4/21/41 NOV- 41	3/5/43 AUG. 43
RM-50077-A RAC-1a RF AMPLIFIER RFREQUENCY RANGE: 16 TO 80 KC, SAME AS BASIC NUMBER EXCEPT FOR FREQUENCY RANGE.	CBY 50083 ATA MODULATOR UNIT: USES NAVY TYPE CBY-21826 DYNAMOTOR, PLUG-IN FOR OPERATING FROM 28 (22 TO 30) VOLTS DC, 5.8 AMP FOR VOICE AND 7.8 AMP FOR CW. HAS RECEPTACLES FOR INTERCONNEC-	CC-50089 TCC-1 50 KM POMER AMPLIFIER FREQUENCY RANGE 50 TO 150 KCS, OUTPUT 50 KM, C4(A1). EQUIPMENT POMER SUPPLY 440 VOLIS, 3 PHASE, 25 CYCLES.
1/22/44 Mar. 44	TION HIRING TO TRANSMITTER REMOTE CONTROL UNIT, AND TRANSMITTERS. USED IN 5/20/41 CBY:5013-4-E AUG. 43 CBY:7797-4-A	8/11/41 4A15A2 T-7661556 REY O
RW-50078 RAC-1 RW 50F 477 AF AMPLIFIER INCLUDES TONE FILTERS FOR 800 AND 1000 CYCLES.	CBY 50033 SCREEN HODULATION OF NAVY TYPES CBY- 52208 TO -52211 INCL. AND CBY-52232.	CME 50090 RBE PRESELECTOR, SINGLE FREQUENCY RANGE 550 TO 32000 KC IN SIX BANDS, CONSISTS OF A TYPE DB-20 PRE- SELECTOR MOUNTED ON 19" X 10-1/2" STEEL PANEL, OPERATES FROM 110 V 60 CYCLES SINGLE PMASE.
2/7/41 DEC. 41	•	9/18/41 C-208 MAR. 42 10/21/41
CNA 50079 RBE RE 13A 594A DIVERSITY COMBINING UNITS NOUNTS ON STANDARD RELAY RACK, OPERATES FROM 115 V, 58/62 CYCLES AC. COMBINES THE OUTPUT OF THREE RADIO RECEIVERS FOR DIVERSITY RECEPTION. AUDIO INPUT I V AT	CBY 50084 ATA MODULATOR UNIT MOUNTING BASE. PROVIDES ANTI-SHOCK MOUNTING FOR TYPE CBY-50083 MODULATOR.	CME 50091 RBE PRESELECTOR, DOUBLE FREQUENCY RANGE 550 TO 32000 KC IN SIX BANDS, CONSISTS OF TWO TYPE DB-20 PRESELECTORS MOUNTED ON 19" X 10-1/2" STEEL PAKEL. OPERATES FROM 110 V 60 CYCLES SINGLE PHASE.
600 OMMS. 3/6/41 Mar. 42	5/20/41 7058-2-C MAR. 42	9/18/41 C-209 MAR. 42 10/21/41
RM-50080 GENERAL USE RM SOF 1918 MIXER AND KEY-CLICK ELIMINATOR. THREE CHANNEL MIXER MITH IMPULSE SUPPRESSOR CIRCUIT. MOUNTS ON A STANDARD 19" RELAY RACK, USES BETTER COMPONENT PARTS. CHANGES IN MIRING. BUT OTHERWISE SINILAR TO -50075.	CN-50085 GENERAL USE RA 50F 243A COUPLER UNIT RA 50A 244A FOR COUPLING A SUBMARINE LOOP TO A RADIO RECEIVER. FREQUENCY IS TO 35 KC.	CRM 50092 RAZ SERIES PRESELECTOR UNIT FREQUENCY RANGE IS TO 600 KC IN FOUR BANDS. OBTAINS POWER FROM RECEIVER POWER UNIT.
3/13/41	6/27/41	11/25/41 AR 8503 P K-143 SUB 0 DEC. 41
NOY. 41 Assignit	ASSIGNED ISSUED	
DATE MANUFACTURER'S MANUFACTURER'S	FARMULT STRUCKS STRUCK STAGE STAGE	DATE MANUFACTURES STANDING TURES

HAYY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	HAYY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	NAVY TYPE DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION
CRY 50093 MEA-1 DRIVER AMPLIFIER CUTPUT 200 MAITS AT 100 OHMS, 17 TO 27 KC. HPUT 115/1/60, 600 MAITS MAXIMUM. EXCITATION FOR THIS UNIT IS OBTAINED FROM THE OSCILLATOR INCLUDED IN TYPE CRY-43013 RECEIVER INDICATOR OSCILLATOR UNIT. SAME AS CRY-50105 EXCEPT RELAY 2/12/42 MI-6990 M-305258-4 MAR. 43 SUB 0	CRY 50098 RBP AUDIO FREQ AMPLIFIER UHIT: INPUT IMPEDANCE 15000 OHMS. OUTPUT IM- PEDANCE 600 OHMS. MAX. UNDISTORTED OUT- PUT 60 MILLIMATIS. FREQUENCY RESPONSE ± 1 DB, 100 TO 5000 CYCLES. HUM LEVEL AT LEAST 60 DB BELOW 1001 MODULATION. INPUT 6.5 Y, 1 AMP DC & 125 Y 20 MA DC. 37/16/42 MI-7564 B P-720994 AUG. 42 SUB 0	C#50103  VOLTAGE CONTROL TO BIAS OUT NOISE. FREQ RANGE 425 TO 4675 CPS.(FOR ITEM M2.)
CRV50093  COIL IS IN AMPLIFIER TUBE RIAS INSTEAD OF IN THE RECTIFIER CIRCUIT.	CRY 50099 RBP SIGNAL CONTROL PANEL: FOR COMBINING THE OUTPUT SIGNALS OF THE DIVERSITY RECEIVERS, THE RESULTANT OUT- PUT BEING FED TO THE TONE KEYERS TYPE CRY-35007 OR AUDIO AMPLIFIERS TYPE CRY- 60098. INCLUDES 3 PLATE KILLIAMMETERS TO INDICATE OUTPUT OF UP TO 3 RECEIVERS, 3/16/42 MI-7566-A P-720998 SUB 0 MAR. 43	CRY 50 104 QCP  DRIVER-AMPLIFIER: INPUT 115/1/60, 8.7 AMPS, 1000 MATTS. OUIPUT 400 WATTS AT 60 OHMS, 17 TO 27 KC  4/23/42 CRY:Hi-16703 CRV:W-305636  MAR. 43 SUB 0
CAN 50094 QFA AMPLIFIER 2/13/42 MAR. 42	CRV 50099  ONE MILLIAMMETER TO INDICATE COMBINED OUTPUT. DB OUTPUT METER CALIBRATED -20 TO +6 DB FOR ZERO LEVEL OF 1.9 VOLTS IN 600 OHM LINE. SAME AS CRY-50120 EXCEPT FOR ENGRAVING OF IDENTIFICATION LABELS.	CRY 50 10 5 QCU,QCQ-2 ORIVER-AMPLIFIER: OUTPUT 200 MATTS AT 100 OHMS, 17 TO 27 KC. IM- PUT 115/1/60, 600 MATTS MAX. EXCITATION FOR THIS UNIT IS OBTAINED FROM THE OSCIL LATOR INCLUDED IN TYPE CRY-45037 RE- CEIVER INDICATOR-ORIVER OSCILLATOR. SAME AS CRY-50093 EXCEPT THE RELAY COIL 11/25/42 MI-8990-4 W-305258-4 NOV. 43 SUB 0
CDI 50095 CXB0  AUDIO AMPLIFIER;  POWER OUTPUT 14 WAITS ± 51 DISTORTION,  (25 WAITS PEAK). RESPONSE FLAT ± 1.5 DB  FROM 40 TO 12,000 CYCLES, 3 CHANNEL  INPUT 50, 200 OR 500/500,000/500;000  OMS IMPEDANCE, WHICH PROVIDES FOR  SIMULTANEOUS OPERATION, GAIN 125/125/85.  3/16/42 EL-14  APR. 42	CM-50100 U.H.F. RCC BASE FREQUENCY AMPLIFIER: FOR AMPLIFYING THE OUTPUT OF THE BASE FREQUENCY OSCILLATOR, TYPE CM-35023. PART OF ITEM CSI. FREQ 85 CPS. INPUT IMPEDANCE MAY BE VARIED FROM 3000 TO 12000 OHMS IN 300 OHM STEPS. OUTPUT IM- PEDANCE 300 OHMS. PART OF ITEM CSI. 4/9/42 CW:X63602C LISI ES-712754 MAR. 43	CR V 50 105  IS REMOVED FROM THE BIAS CIRCUIT OF THE AMPLIFIER TUBES AND IS CONNECTED IN THE RECTIFIER CIRCUIT. INPUT CURRENT 5.2 AMP SAME AS -50158 EXCEPT FOR OUTPUT IMPEDANCE.
CDI 50095 TWO OUTPUT CIRCUITS (STRIPS OR SOCKETS) 2. 4. 9. 250 OR 500 OHNS IMPEDANCE	CW-50101 U.H.F. RCC AUDIO FREQUENCY AMPLIFIER: FLAT ±1/2 DB FROM 35 TO 11000 CPS, 1-1/2 DB DOHN AT 16000 CPS, 12 WATTS OUTPUT 25 DISTORTION AT 400 CPS, CAN BE RECONN- ECTED FOR 20 WATTS AT 55 DISTORTION. IMPUT IMPEDANCE AND OUTPUT IMPEDANCE AS *H-227-778 ISS, 34. 4/9/42 CW:124E ES-712763 MAY 45: CW:X63603N LIST 1 *SEE ABCYE	CRY 50 105-A QCU DRIVER AMPLIFIER OUTPUIT: 200 WATTS AT 100 OHMS, 17 TO 27 KC. INPUT: 115/1/60, 5-2 AMPS, 600 WATTS MAX. EXCITATION FOR THIS UNIT OBTAINED FROM THE OSCILLATOR IN THE TYPE -45037-B RECEIVER-INDICATOR-ORIVER-OSCILLATOR. SAME AS BASIC NUMBER EXCEPT 836 RECTI- 2/12/44 MAR. 44
CRY 50096 RBP RADIO FREQ AMPLIFIER UNIT: CONSISTS OF 3 RECEIVERS ON ONE PANEL. FREQ RANGE 3 TO 24 MC IN THREE BANDS, 3 TO 6.6 TO 12.12 TO 24MC, PROPER BAND SE- LECTED BY ROTARY SWITCH. ANTENNA MATCH- ING IMPEDANCE IS 200 OHMS, BALANCED. IN- PUT 6.3 Y.2.7 AMPS DC, & 125 Y.37.5 MADC 3/16/42 NI-7560E P-720992 AUG. 42 SUB 0	CW-50101  USED IN THIS EQUIPMENT ARE 600 OHMS, HOWEVER INPUT MAY VARY FROM 0 TO 1800 OMMS AND OUTPUT FROM 1 TO 1200 OHMS DE- PENDING ON CONNECTIONS, POWER INPUT 105-125/1/50-60, 1,1 AMP 105 VOLIS FOR 12 WAIT OUTPUT OR 1,25 AMP 125 WAITS: FOR 20 WAIT OUTPUT, (FOR ITEM SIA, SIB, S4 TO S7, RIA, RIB, R4 TO R7, CE, SPI).	CRY 50 105 - A FIER TUBE IS USED INSTEAD OF BILL AND NEW TRANSFORMER HAS BEEN SUBSTITUTED.
CRV 50097 RBP INTERMEDIATE FREQUENCY AMPLIFIER UNIT: FIRST I.F. SYSTEM 450 1 KC. BAND MIDTH 15 KC. BAND PASS FILTERS FOR 1. 2 AND 4 KC. AS SELECTED B1 ROTARY SWITCH. SECOND I.F. SYSTEM 50 KC BAND MIDTH 12 KC. QUIPUT IMPEDANCE	CM-50102 U.H.F. RCC MODULATOR: CONSISTS OF VACUUM TUBE TYPE PAMEL SUITABLE FOR KEYING A TONE SIGNAL OF O VU IN, 500 OHMS BY MEANS OF A RELAY. FOR ITEM MI. FREQ RANGE 425 TO 4675 CPS.	CFT 50106 YA-1 COUPLING UNIT: FREQ. RANGE 200 TO 550 KC. FOR COUPLING TYPE CFT-52263 RADIO TRANSMITTER TO AN- TENNA
10,000 TO 13,000 OHMS. FNCLUDES 3/16/42 M1-7573-10 P-720993 AUG. 42	4/10/42 CW:X63603E ES-712759 MAR. 43 LIST 1	5/8/42 CFT:101A CFT:F-32460-14C gct. 42
CRY50097  MONITOR, WITH VOLUME CONTROL, TO WORK INTO 600 OHM LINE IF SUCH USE IS DESIRED. INPUT 6.3 VOLTS, 4.2 AMPS DC AMD 125 VOLTS 65 MA DC.	CW-50103 U.H.F. RCC DEMODULATOR: CONSISTS OF VACUUM TUBE AMPLIFIER AND RECTIFIER TYPE PANEL SUITABLE FOR FURNISHING 25 MA POSITIVE AND NEGATIVE DC THROUGH 1800 OHMS FOR DRIVING A BOCHME TYPE 4G RECORDER. TONE LEVEL 0 VU ACROSS 500 OHMS. INCLUDES BIAS 4/10/42 CW:X63503L ES-712762 RAR. 43 LIST 1 ASSIGNMENT	CFT 50106 - A TA-2 COUPLING UNIT FREQ RANGE: 200 TO 550KC. FOR COUPLING TYPE CFT-52263 - A RADIO TRANSMITTER TO ANTENNA. SAME AS BASIC NUMBER EXCEPT EMPLOYS MICA CAPACITORS AND METERS IN ACCORDANCE WITH AMERICAN WAR STANDARDS.  11/5/43 101B CFT:F-32460-14C
DATE MANUFACTURER'S GRANNING THREETS	DATE MANUSCATANOSE'S CHAMNES TURISES	

3.50-7

	Converiers withing raners		
NAVY TYPE DESIGNATION FIRST ASSIGNED FOR NAVY DRAWING OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR ON SPECIFICATION
CFT 50 107 YA-1 AUDIO AMPLIFIER; FRED. RANGE: 100 TO 4000 CPS. INPUT 100 TO 125 VOLTS/1/50 TO 60,2.1 AMPS., 22 AWATTS, INPUT IMPEDANCES 25 OR 600 OHMS. OUTPUT IMPEDANCE IS 600 OHMS. MAX. UN- DISTORTED OUTPUT .06 WATTS. GAIN 40 TO 70 DB.	AND THE OTHER FOR REPRO- DUCING EACH INDEPENDENT OF THE OTHER BUT MOUNTED ON THE SAME C SIS. UNIFORM RESPONSE FROM 200 TO CYCLES. 25 DB VOLUME RANGE. HAS 8 BUILT IN DYNAMIC SPEAKER AND HEADPH JACK.	PRE-AMPLIFE  BOOO PHOTO-CELL  INDICATOR  INPUT: 115	QFB  IER:  PPLIFYING THE IMPULSE FROM IN THE TYPE CBM-55086PLAN TO THE CBM-550119 AMPLIFIER  71/60 AT 0.55 AMPS AND 30 PUT IMPEDANCE: 5000 OHMS.
5/8/42 131A CFT:F-35770-2A NOV. 43		6/21/42 90 OCT. 42	D5 CBM:SK-5386 ALT 0
CFT 50107-A YA-2 AUDIO AMPLIFIER FREQ RANGE: 100 TO 4000 CPS. INPUT: 100 12571/50 TO 60, 2.1 AMPS. 24 WATTS. INPUT IMPEDANCE: 25 OR 600 OHMS. OUTPUT IM- PEDANCE: 600 OHMS. MAXIMUM UNDISTORTED OUTPUT IS 0.06 WATTS. GAIN 40 10 7006. SAME AS BASIC NUMBER EXCEPT EMPLOYS	CCS 50110A PD-1 TRANSCRIBER-REPRODUCER AMPLIFIER: INPUT 6.3AC/6.3AC/115AC/ DC, 1.5/5/2/.3 AMPS. OUTPUT 115/1/6 1.7 AMPS, 160 WATTS. HAS 5-600 OHM, 3-5000 ANDONE 50 OHM INPUT LIXES. M AMPLIFIERS. ONE FOR TRANSCRIBING AN OTHER FOR REPRODUCING EACH INDEPEND	160 V RANGE 500 T 1 ER OR 2000 115/1/60 AN 15 TERMINALS F	JO RE 13A 647 FIER: FREQUENCY O 10,000 CYCLES WITHOUT F. TO 10,000 WITH FILTER. IMPORT FOR THE PROPERTY OF T
11/5/43 131B CFT:F-35770-2A NOY. 43	1/6/42 6-569A 14.12 AUG. 43	6/22/42 C- MAR. 43	41 CBD:13777
CF150107-A AMERICAN WAR STANDARD METERS AND MAY USE GLASS INSTEAD OF METAL TUBE.	50110  OF THE OTHER BUT MOUNTED ON THE SAM CHASSIS, UNIFORM RESPONSE FROM 200 3000 CY, 25 DB VOLUME RANGE, HAS 8" BUILT-IN DYNAMIC SPEAKER AND HEANDP JACK. SAME AS BASIC NAVY TYPE EXCE CHANGE IN AVC CIRCUIT AND THE USE 0 NAVY APPROVED COMPONENTS. WEIGHT 65	AUDIO AMPLE O RANGE 500 T CHANNEL LO ONE NAVY TYPE O TFOR THO JACKS F PHONES AND	JN RE 13A 64 FIER: FREQUENCY 10 10,000 CPS. 3 STAGE, SI W IMPUT IMPEDANCE TO MATC 20-51051 HYPROPHONE, INCL FOR 600 OHM MAGHETIC HEAD- 2 JACKS FOR HIGH IMPEDANC 10PHONES. SUPPLY INTERNAL 39 OSEE PLATE:
OFT 50108 YA-1 CONSTANT GUTPUT AMPLIFIER: FREQ. KANGE: 100 TO 4000 CPS. INPUT: 100 TO 125 VOLIS. /1/50 TO 60, 2.3 AMPS., 24 WATTS. INPUT AND GUTPUT IMPEDANCE IS 600 OMMS. MAX. UNDISTORTED GUTPUT 0.006 WATTS GAIN 5 TO 50 DB.	CG 50111 TBC-4 POHER AMPLIFIER: FREQUENCY RANGE 4 TO 26 MC. OUTPUT TO 40 KW, AI. SIMILAR TO CG-50071 B WILL OPERATE ON 50 TO 60 CYCLES, 23 VOLTS, 3 PHASE.	JΤ	c 8 D 5 O 1 16
20 DB. # 5/8/42 132A CFT;F-35771-2 A NOV 43'	5/28/42 4A13B3 CG:P-77659 AUG. 43 REV 0	6 OCBD:13778	DATED 7/17/42 & 13779 DAT 7/15/42
CFT 50108-A YA-2 CONSTANT OUTPUT AMPLIFIER REQ RANGE: 100 TO 4000 CPS. IMPUT: 100 TO 125/1/50 TO 60, 2.3 AMPS 24 MATTS.' IMPUT AND OUTPUT IMPEDAICE IS 600 OMMS. MAXIMUM UNDISTORTED OUTPUT IS 0,006 MATTS. GAIN: 5 TO 500B. SAME AS BASIC NUMBER EXCEPT EMPLOYS MAR STANDARD. TYPE 11/5/43 1528 CFT:F-35771-2A	CG-50111-A TBC-5 POMER AMPLIFIER: FREQ RANGE: 4 TO 26 MC. OUTPUT 50 T KW, AI. SUPPLY: 230 VOLTS. 30. 50 O SAME AS CG-50111 EXCEPT FOR SUBSTIT OF A U.S. GAUGE FLOW METER FOR THE TYPE FLOW METER.  5/21/43 CG:4AI3CI CG:P-77659	0 40 VOLTACE REC R 60~ 3.35 AMPS. ITION 600 TO 12, ( G.E. THE AF AMPL OF NAVY TY RECTIFIER U	R3F-1 IFIER AND LOW CTIFIER: INPUT 105-120/1/5 AUDIO OUTPUT 2 W. RESPONS DOO CYCLES. SUPPLIES POWER IFIER AND THE SWITCHING OPE CIA-23318 SWITCHING AND UNIT. HAS BUILT-IN LOUDSPE
NOV. 43	AUG. 43 REY O	MAR. 43	
CFT50108-A METERS AND MAY USE GLASS INSTEAD OF METAL ENCLOSED TUBES.	CW 50112 #SEE BELOW SENDING VOICE CHANNEL TERMINAL PANEL: COILS PAD, VOLUME LINITER AND JACKS; FOR A SINGLE VOIC CHANNEL. (USED IN S6, S7). FREQ RA 300 TO 3300 CPS.	VOLTS, .48	50117 VOLTS, 30 AMPS AC AND 150 AMPS DC,
	*UAF REMOTE CONTROL CIRCUITS 5/29/42 X-63603P LIST 1 ES-712764 MAR. 43 FIG 1		
CJF 50 109 RAU-2 RECORDER-AMPLIFIER: FREO. RANGE: 0 TO 200 CYCLES. INCLUDES AN INTEGRAL RECTIFIER TO PERMIT OPERA- TION FROM A RECULATEO SUPPLY OF 115 Y (±1/21) SINGLE PHASE, 60 CYCLES. SAME AS TYPE CJF-50060.  5/20/42 CJF:P-39579	CQA 50113 JN-1 RE I3A 6 AUDIO AMPLIFIER: INTERNAL BATTERY SUPPLY ONE 6 V "A" BATTERY AND 4 BURGESS INTERNAL BATTERY SUPP ONE 6 V "A" BATTERY. BURGESS 4F4H A BURGESS NO. 5308 45 V BATTERIES. AM FIER HAS GAIN OF 80 DB AND FREO CHA TERISTIC IS FLAT (± 3 DB) FROM 500 6/12/42 AUG. 42	TRANSMISSIO  1F4H UNIT: FREO  1Y; FOR SWITCHE  40 4 A SINGLE WE  1- 600 OHM TRE  1AC- NECESSARY I	ON LINE COUPLING RANGE 4 TO 26 MC. PROVIDE ING THE TRANSMITTER OUTPUT RE ANTENNA OR TO A BALANC NISMISSION LINE. INCLUDES TUNING ELEMENTS AND TRANSMITTERS.
QCT. 42 SUB 0	10,000 CY. HAS THO CQA 50		QFA-1, QFB
CCS 50 110 PD TRANSCRIBER-REPRODUCER AMPLIFIER: POMER INPUT: 115 AC/6.3 AC/6.3 AC/260 DC VOLTS, 2.0/5.0/1.5/0.30 AMPS. POMER OUTPUT: 115/1/60, 2 AMPS. HAS 5 600 OHM 3-5000 OHM AND 1-50 OKM INPUT LINES HAS 2 AMPLIFIERS; ONE FOR TRANSCRIBING 5/22/42	TOLOGUET. HAS ING CAA JULE TELEPHONE JACKS FOR HEADPHONE OUTPU IMPEDANCE. APPROX 600 OHMS FROM 900 CY. IMPUT LEVEL CONTROL CUTS IN A 2 PAD GAIN CONIROL. RANCE IS APPROX 6 IN STEPS NOT GREATER THAN 2 DB FOR CONSTANT VALUE. IMPUT IMPEDANCE 50, 200. 250. 350. 500 OHMS. EQUIPPED W PROVISIONS FOR EXTERNAL 6 V BATTERY	AMPLIFIER: 1200 APPEARANCE 1008 EXCEPT THE 1008 SAME FUNCTI 11Y CIRCUITS FO 125, SIGNAL WITH TH SPEED, SUB	SIMILIAR IN TO. AND FRONT PANEL CONTRI TUNING CONTROLS PERFORM IT ON AS CBM-46061. INCLUDES IN MODULATING THE INCOMING I ALL THE NOISES DUE TO SH ARINE SPEED. PROJECTION BI MX:755K CBM:60191
MAR. 43 ASSIGNEE		ASSIGNED OCT . 42	ALT O

DESIGNATION FIRST ASSIGNED FOR CHAVY DEAVING	DESIGNATION FIRST ASSIGNED FOR ON STATISTICATION	MANY TYPE FIRST ASSIGNED FOR MANY DRAWING OR SPECIFICATION
ING, REVERBERATION, CBH50119 OOPPLE' EFFECT, AND SEMI-FIXED CONTROLS TO VARY NOISE AS DICTATED BY PROBLEM CONDITIONS, OPERATED FROM NAVY TYPE CBM-20062-A POWER SUPPLY, INPUT 30/220/ 270/270 V DC, AT .002/.003/.03/.04 AMPS AND 5.2/115 V AC AT 4/.1 AMPS. OUTPUT IMPEDANCE 600 OHMS.	CW-50124 THROUGH 1800 OHMS FOR DRIVING A BOEHM TYPE 4G RECORDER. TONE LEVEL 0 VU ACROSS 500 OHMS. INCLUDES BIAS VOLTAGE CONTROL TO BIAS OUT NOISE. SIMILAR TO CM-50103. (FOR ITEM M2)	CMX 50128 - A ADDITIONAL ELECTROLYTIC CAPACITOR IS PROVIDED TO SUPPRESS, RF INTERFERENCE CREATED BY DYNAMOTOR (5) SPARE DYNAMOTOR BRUSHES ARE MOUNTED IN LID.
CRY 50120 RBP SIGNAL CONTROL PANEL: FOR COMBINING THE OUTPUT SIGNALS OF THE DIVERSITY RECEIVERS, THE RESULTANT OUT- PUT BEING FED TO THE TONE KYERS TYPE CRY-35007 ON AUDIO AMPLIFIERS TYPE CRY 50098. INCLUDES 3 PLATE MILLIAMMETERS TO INDICATE OUTPUT OF UP TO 3 KECEIVERS, 11/11/42 CRY:NI-7566A CRY:T-620680 AUG. 43 SUB 3	CG-50125 ICG-2 POWER AMPLIFIER: POWER OUTPUT: SOKH. CW(AI). FREQ RANGE: 50 TO 150KC. OPERATES FROM 22073/50 TO 60. SAME AS -50081 EXCEPT FOR OPERATING FREQUENCY.  1/7/43 CG:4A15A3 CG:T-7661556 SEPT 43 REV 6	COL 50129 TDH  MODULATOR: INPUT: 230/3/60 AND ALSO DC SUPPLIES. INPUT IMPEDANCE IS 500 OHMS. AUDIO POWER OUTPUT IS 2000 WATTS AND FREQUENCY RE- SPONSE SHALL NOT VARY HORE THAN 3DB WITHIN RANGE OF 150 TO 3500 CYCLES. CON- TAINS THE SPEECH AMPLIFIER. AUDIO PRIVER 1/20/43 COL:1025-4 COL:425E AUG. 43 REV 0
50120 ONE MILLIAMMETER TO INDICATE COMBINED OUTPUT, do OUTPUT METER CALIBRATED -20 TO +6db FOR ZERO LEVEL OF IL9 VOLTS IN 60 +6db FOR ZERO LEVEL OF IS VOLTS IN FOR ENGRAVING OF IDENTIFICATION LABELS.	CG-50125-A TCG-3 POWER AMPLIFIER: POWER OUTPUT: 50 KM, A1 EMISSION. FREQ RANGE 50 TO 150KC. OPERATES FROM 220/3/50 TO 60. SAME AS BASIC NUMBER EXCEPT HAS U.S. GAUGE TYPE FLOM METER. OUTPUT CIRCUIT DESIGNED TO FEED 600 OHM TRANSMISSION LINE. 6/11/43 CG:4415C1 CG:T-7661556 SEPT 43 REV 7	COL 50129 HODULATOR TUBES, & VENTILATING BLOWER.
CRV 50 12 1 NMC DRIVER AMPLIFIER: FREQ RANGE 17 TO 27 KC. OUTPUT 200 MATTS AT 18 KC INTO 100 OHMS. INPUT 115/1/60 5 AMPS, 575 MATTS. EXCITATION RECEIVED FROM OSCILLATOR IN CRV-43033 RECEIVER- OSCILLATOR-INDICATOR-RECORDER. SAME AS CRV-50095 EXCEPT (1) SWITCH USED FOR 10/3/42 MI-16710 W-305824-3 MAR. 43 REV I	CM-50126 QBF  DRIVER AMPLIFIER:  FREQ CONTINUOUSLY VARIABLE FROM 10±.5 TO 30±.5KC. OUTPUT IS 150 MATTS APPROX. THE OUTPUT STAGE OF THE DRIVER IS AM AMPLI- FIER USING 6 SMALL POWER PENTODES CON- NECTED PUSH-PULL AND OPERATED CLASS B. INTERNAL PROVISIONS FOR 600 V PLATE 1/3/42 CW:D-163459 CM:ESX-641266 SEPT 43 ISSUE 1	CG-50130 NXS-6985  SYNCHRO AMPLIFIER: INPUT: STATOR EXCITATION FOR A 5CT SYNCRO TRANSFORMER AND 0.2 AMP 115 V 60 CY FROM STATOR BUS OF SYSTEM SUPPLYING STATOR EXCITATION: 2.5 AMP 115 V 60CY TO EXCITE THE FOLLOM-UP AMPLIFIER, THE 7G TRANSMITTING SYNCHRO AND THE PILOT 1/22/45 CG:DL-8026906 CC:P-8244723 AUG. 44 REV 2 REV 2
CR V 50121  "BROAD" AND "SHARP" IS NOT CONNECTED.  (2) SWITCHING OF "SHALLOW" AND "DEEP" PROJECTORS IS PERFORMED ON CRV-43033.  AND (3) "MATCHING CAPACITORS BETWEEN THIS UNIT AND PROJECTORS ARE OF DIFFERENT VALUES TO MATCH THE PROJECTORS AT 18 KC.	CH-50126 SUPPLY & BIASING POTENTIALS.	CG-50130 LIGHT. OUTPUT: STATOR OF A 76 (SU05671) TRANSMITTING SYNCHRO. CONNECTED TO AN OVERLOADED SYNCHRO BUS, PROVIDES OUTPUT OF A 76 WHILE DRAWING ONLY 40MA FROM STATOR CIRCUIT AND 0.2 AMP FROM THE ROTOR CIRCUIT.
CNU 50122 AUDIO AMPLIFIER: INPUT: 115/1/60 AMPS, 50 WATTS, OUTOUT: 25 WATTS MAX, FREQ RANGE 50 TO 10,000-±188.	CBM 50127 QFB-1  AMPLIFIER: SIMILAR TO TYPE -SOILS EXCEPT THAT IT INCLUSES A NEW TYPE FREQUENCY SHIFTING RELAY AND TWO NEW ROTARY SWITCHES FOR TIMING.  1/13/43 CBM:755AK CBM:60191 ALT 0 AUG. 43	CM-50131 *SEE BELOH RE 13A 714A AMPLIFIER: MODIFIED O RECEIVES SIGNALS FROM 2-5CT SYNCHROS, AMPLIFIES THESE SIGNALS TO SUPPLY THE POWER FOR THE CONTROL PHASE SERVO MOTOR IN NAVY TYPE CM-211103 SYNCHRO-AMPLIFIER DERIVES 115/1/60 VOLT POWER FOR TUBE *EN28/3483-43/SHIPS CM:CAL-25274 ALT 1 3/30745 G/4RE2121603
CDI 50123 NX35-15641 RE 13A 670A AUDIO AMPLIFIER: FREQ RANGE 70 10 12,000 CPC ± 3DB FROM 1000 CYCLE RESPONSE. INPUT IMPEDANCE 200 OHMS. OUTPUT IMPEDANCES: 50 AND 80,000 OHM FOR HEADPHONE. 15.50 AND 500 OHM FOR SPEAKER. IMPUT 200 Y BC AT 180 MA 1.0 MAIT.	CMX 50128 NXSS-20701 INTERPHONE AMPLIFIER: OPERATES FROM 12 V DC. THREE INPUT CHANNELS, ONE OUTPUT CHANNEL. INCLUDES NAVY TYPE -21400 DYNAMOTOR.	CM-50131  OPERATION AND SYNCHRO INPUT FROM NAVY TYPE CM-211103 AND FEEDS AMPLIFIED SYNCHRO SIGNAL BACK TO THIS UNIT.
12/4/42 CD1:214-K MAR, 44 ISSUE 2	1/16/43 CNX:700052G2 CMX:0595260 SEPT 43	
CM-50124 *SEE BELOW  DEMODULATOR: CONSISTS OF VACUUM TUBE AMPLIFIER AND RECTIFIER TYPE PANEL SUITABLE FOR FURN- ISHING 25MA POSITIVE AND NEGATIVE DC (HAS PROVISIONS FOR CHANGING THIS BI- POLAR TO A SINGLE POLARIZED OUTPUT) *UHF REMOTE CONTROL CIRCUIT NX93-19854 12/16/42 CM:65605T CM:ES-804568 SEPT 43 LIST 1 ISSUE 1  ASSIGNE		CH-50131-A GEN RADAR USE AMPLIFIER RECEIVES SIGNAL FROM 2-SCT SYNCHROS AMPLIFIERS THESE SIGNALS TO SUPPLY THE POMER FOR THE CONTROL PHASE SERVOMOTOR IN NAVY TYPE CON-7211103-A SYNCHRO AMPLI- FIER. DERIVES 115/1/60 VOLT POMER FOR **CAL:25274 ALT CAL:25771 ALT L 4/6/44 HAY 45 ALT 0 **
DATE MONIFICATINES ON ANNICOTULES	DATE MANUSCRIPTOR'S MANUSCRIPTIFIES	DATE MANUFACTURER'S MANUFACTURER'S

MAYY TYPE DESIGNATION FIRST ASSIGNED FOR NAVY DRAWING OR SPECIFICATION	DESIGNATION FIRST ASSIGNED I	FOR NAVY DRAWING OR SPECIFICATION	HAVY TYPE DESIGNATION FIRST ASSIGNED	FOR OR SPECIFICAT
CM- 50131-A TUBE OPERATION AND SYNCHRO INPUT FROM NAVY TYPE CM-ZIIIOS-A AND FEEDS AMPLI- FIED SYNCHRO SIGNAL BACK TO THIS UNIT. SAME AS CM-50131 EXCEPT FOR CIRCUIT CHANGES.	CM-50135-A AN/FCC FREQUENCY CONTROL UNI SAME AS NAVY TYPE CM- CLUDES A SWITCH TO CU BAND TUNING FEATURE O	T: 50135 EXCEPT IN- IT OUT THE WIDE	CDI 50140 JP AUDIO AMPLIFIER: FREQ RANGE: 70 TO 12 PUT: 12 VOLTS AT 1. AT 30 MADC. OUTPUT:	OS AMPS DC AND
	1/15/45 APR. 45		4/23/43 SEPT 43	
CW- 50132 . NXss-20953*  CURRENT LINITER UNIT: USED TO COMPENSATE FOR THE VARYING SIGNAL STRENGTH DUE TO FADING. THIS UNIT MAINTAINS A SUBSTANTIALLY CONSTANT OUT- PUT OF -608M IF THE INPUT EXCEEDS -400BM 67CH:X-61790J-1 ISS. 1, B-405440 ISS. 2 *AN/FGC-14 4/1/43 CW:X-61790J-1	CW-50136: MXS3-20 RECEIVER CONTROL UNIT MODULATES THE SOKC ± SIGNAL BY A 52550 CYC PUT WHICH RESULTS IN BEING DELIVERED TO TH THIS ESTABLISHES THE "(ANT/FGC-1A) 4/1/43 CWIX-61790-B MAR. 44 LIST I	: 425 CYCLE INPUT LE OSCILLATOR OUT- 2550 ± 425 CYCLES E CURRENT LIMITER. "NARKING" FREQ OF	CBY 50141 ATA-3 MODULATOR UNIT: USES NAVY TYPE CBY-2 PLUC-IN FOR OPERATIN V DC. HAS RECEPTACLE TION WIRING TO THE T CONTROL UNIT AND TRA MICROPHONE AND KEY C 4/29/43 SEPT 43	NG FROM 28 (22 ) ES FOR INTERCONT FRANSMITTER REMI ANSMITTERS. INCO
CW-50133 AN/FGC-1A#  DETECTOR UNIT: CONSISTS OF A MARKING AND SPACING DETECTOR IN PARALLEL. A FILTER AT THE INPUT OF THE MARKING DETECTOR PASSES "MARKING" SIGNALS AND EXCLUDES ALL OTHER FREQUEN- 0X-61789-01L1 OR L2 ISSUE 4  **AYSS-20953 4/1/43 CN:X61790G-1 B-405443 AUG. 44 LIST IH ISS. 2	2125 CY & THE "SPACIM: THIS UNIT ALSO KEEPS CLOSE TO 115 NOMINAL IN 400KC OSCILLATOR T CONTROLLED BY CW-5013 CONTROLLING OPERATION TONE KEYERS. RECEIVES CW-23365, 130 V POHER	THE 2125 CY VERY VALUE BY THE BUILT- HE FREQ OF WHICH IS 5 HAS SWITCHES FOR OF RECEIVERS AND FILAMENT POWER FRO:	PLATE PLUS SCREEN MO TYPES CBY-52302 TO C	
CH-50133 CIES, A SIMILAR SPACING DETECTOR SELECTS "SPACINO" FREQUENCIES, THESE SIGNALS ARE RECTIFIED AND AMPLIFIED TO A CARRIER CURRENT (OC PULSES) OF APPROX 15MA FOR EACH MARKER CHANNEL, MARK AND SPACE PREQUENCIES ARE 2125 AND 2975 CYCLES	CBD 50137 JQ AUDIO AMPLIFIER: FREQUENCY RANGE 500 CT TWO BANDS 500 CYC. TO 20 KC, INPUT 6 VOLTS ( HETER FOR VISUAL INDICATION OF THE SIGNALS. FOR HEADPHONE	15 KC. 15 KC TO DC 2.6 AMPS. HAS CATION OF SUPERSONIC	CK2 50142 #FOR U NOISE PEAK LIMITER: LIMITS PEAKS OF NOIS HASSMANSDORFF-HALL N CUIT. REPLACES SECON CEIVER.	OISE LIMITING
RESPECTIVELY.	4/6/43 Mar. 44	CW:26171 ALT B	*RAS 5/1/43 #17 SEPT 43	17-04007- ALT 0
CW- 50133-A AN/FGC-18  DETECTOR UNIT: SAME AS NAVY TYPE CW-50133 EXCEPT ADDITIONAL WIRING LEADS ARE BRIDGED ON THE DUTPUT SIDE OF EACH OF THE MARKING AND SPACING CHANNEL BAND-PASS FILTERS AND RUN TO TERMINAL PUNCHINGS AT TOP OF NAVY TYPE CW-83000-A FOR CONNECTION TO AN 1/15/45 CM:X-61790W-LI	50138 JP-1 AUDIO AMPLIFIER: INPUT: 110 (90 TO 130' MIDE BANO AMPLIFIER. 1060B MITH APPROX 100 IMPEDANCE 50 OMMS AT ' IMPEDANCE 300 OMMS FOI OR HEADPHONES AND APPI 479743 CD1:50138 SEPT 43	OVERALL GAIN APPROX MW. OUTPUT. INPLT 900 CYCLES. OUTPUT R LOUDSPEAKER AND/	CKB 50143 * NOISE PEAK LIMITER: LIMITS PEAKS OF NOISE WASSMANDORFF-HALL NO USED BETWEEN SECOND AUDIO.  *FOR USE WITH RCF SE 5/1/43 AUG. 44	SE BY PROCESS OF STREET OF
CH-50133-A	HIGH IMPEDANCE HEADPH POUNDS.	CD: 5013 <b>9</b> ONES. WEIGHT 55	RW-50144 *SEE G TRANSMISSION LINE CO LING UNIT: FREO RAM FOR COUPLING TRANSMI ENNA. SIMILAR TO RM- SUBSTITUTION OF STEE MINOR MECHANICAL CMI *TBK, TAF, TBA SERIE 5/10/43 SEPT 43	DUP- NGE: 2000 TO IS ISSION LIMES TO -50086 EXCEPT F EL FOR ALUMINUM ANGES.
CMX 50134 NXSS-20701 INTERPHONE AMPLIFIER: OPERATES FROM 24 V DC. THREE INPUT CHANNELS, ONE OUTPUT CHANNEL. INCLUDES NAVY TYPE CBY-21531 DYNAMOTOR. MECHANICALLY SAME SIZE AS 50128.	CG-50139 TCK-4 TRANSMISSION LINE COUL LING UNIT: FREQ RANS USED TO COUPLE TRANSM ANTENNA OR A BALANCED WITHIN THE FOLLOWING: TANCE RANGE 26 TO 50 ACTANCE; FOR RESISTAN 4/15/43 CG:487933A1	E: 2 TO 18.10MC.  ITTER TO EITHER AN  TRANSMISSION LINE  RANGES: FOR RESIS-  OHMS ±400 OHMS RE-	RW-50145 GEN US DIPLEX ANTENNA COUP- LING UNIT: COMSISTS INDUCTOR AND THO NAY CAPACITORS. SIMILAR FOR SUBSTITUTION OF BRASS AND MINOR RECH	- S OF AN ADJUSTA VY TYPE CIM-481 TO RW-50088 EX STEEL FOR ALUM
2/18/43 AUG. 44	SEPT 43	REV 0	5/10/43 SEPT 43	
сы-50135 NXss-20953*	OHMS, ±800 OHMS REACTA		CG- 50146 TCG-35 AUDIO AMPLIFIER: CONSISTS OF THO IDEE	
FREQ COHTROL UNIT: USED TO HAINTAIN THE "MARKING" AUDIO FREQUENCY CLOSE TO 2125 CYCLES.	ANCE: FOR RESISTANCE : OHMS, ±2000 OHMS REAC	RANGE 500 TO 3500	FIERS IN A CASE. CO: PAMEL ARE: FOUR TOSO GAIN CONTROLS-ONE FO ONE GAIN CONTROL COS FIER, ONE PUSH BUTTO	TROLS ON FRONT GLE SWITCHES, TO DR EACH AMPLIFIE MMON TO EACH AME

NAVY TYPE FIRST ASSIGNED FOR OR SPECIFICATION	DESCRIPTION FIRST ASSIGNED FOR OR SPECIFICATION	MAYY TYPE FIRST ASSIGNED FOR MAYY DEAMING OR SPECIFICATION
$_{CG}$ -50146 Jacks and four output jacks. Portable; self-contained pomer supply consisting of one 135 v "B" battery, one 1.5 yolt "A" battery and one 4.5 yolts "C" battery. Input inp = 4700, output inp=4000. Input yoltage =2.3 millivolts.	CZH 50 152 OUTPUT). PROVIDES FOR EXTERNAL BATTERY SUPPLY. PORTABLE IN MATERPROOF CASE.	CRV 50157  ONE MILLIAMMETER TO INDICATE COMBINED OUTPUT, DB OUTPUT HETER CALIBRATED -20 TO +60B FOR ZERO LEVEL OF 1.9 V IN 600 OHM LINE. SAME AS CRV-50099 OR CRV-50120 EXCEPT FOR ENGRAVING OF IDENTIFICATION LABELS.
CM-50147 *SEE BELOW PORTABLE SWEEP UNIT: USED WITH A TYPE CDU-60064 CATHODE RAY OSCILLOGRAPH TO GENERATE SWEEP VOLTAGE WHICH IS TRIGGERED BY AIR EXTERNAL YOLTAGE. *ACCESSORY FOR MK12	CML 50153 TDH RE 9127 TRANSMISSION LINE COUP- LING UNIT: FREQ RANGE 4.0 TO 18.IMC. FOR COUPLING OUTPUT OF TRANSMITTER TO A 650 OMM BALANCED TRANSMISSION LINE.	CRY- 50158 QBH 8216 DRIVER AMPLIFIER OUTPUT: 200 MATTS AT 56 OHMS. 17 TO 27 KC. INPUT 115/1/60. 600 MATTS MAXIMUM. EXCITATION FOR THIS UNIT IS OBTAINED FROM THE OSCILLATOR INCLUDED IN THE (CRY-43037) RECEIVER-INDICATOR-ORIVER OSCILLATOR. SAME AS CRY-50093 EXCEPT
6/2/43 CH;D-151670 SEPT 43	6/28/43 AUG. 44	8/18/43 N4-16703-3 8216 AUG. 44
CJJ 50 148 OAS  AMPLIFIER: MOUNTS INSIDE HOUSING (CW-10216). OPER- ATES FROM 110 VOLTS SINGLE PHASE 50 TO 60 CY AT 0.75 AMP (APPROX). MAXIMUM SEN- SITIVITY AS 100 MICROVOLTS INPUT FOR 20 VOLTS OUTPUT ACROSS 125 OHMS. DE- SIGNED FOR INPUT AND OUTPUT IMPEDANCES 6/7/43 CW:ASS-33522 CW:ASS-33879 MOY. 43 ISSUE 1	CFI 50154 SM(NXS-18477) SYNCHRO-AMPLIFIER: CONSISTS OF FOUR SYNCHRO MOTORS. (5B.5F, 5G.7G) EACH RATED 115 V PRIMARY AND 90 V SECONDARY AND ONE SERVO-POWER MOTOR RATED 115/1/60. THIS UNIT SERVES TO COMPENSATE FOR MOTIONS OF THE SHIP IN POINTING. 6/30/43 CFI:TBD-2.3 SEPT 43 ALT 0	CRY- 50158  (1) OUTPUT IMPEDANCE (2) RELAY COIL IS REMOVED FROM THE BLAS CIRCUIT OF THE AMPLIFIER TUBES AND IS CONNECTED IN THE RECTIFIER CIRCUIT. SAME AS CRY-50105 EXCEPT FOR OUTPUT IMPEDANCE. IMPUT CUR- RENT; 5-2 AMP.
CW-50148  OF 125 OHMS. RATED POWER OUTPUT IS 20 YOUTS ACROSS 125 OHMS AT 5% OR LESS DISTORTION. BAND PASS TYPE, HAS UNIFORM GAIN IN THE 16 TO 25KC BAND.	CJJ 50155 DAU AMPLIFIER: MOUNTS ON A SINGLE CHASSIS WITH ITS POWER SUPPLY, A 6 VOLT STORAGE BATTERY, INSIDE THE -10230 HOUSING. MINIMUM SEN- SITIVITY IS 100 MICROVOLTS INPUT FOR 20V OUTPUT ACROSS 125 OHMS. DESIGNED FOR IN- PUT AND OUTPUT IMPEDANCES OF 125 OHMS. 7/2/43 CM:ASXX-33650 CM:ASXX-34062 HAR. 44 ISSUE 2	CUZ 50159 *SEE BELOW RE 93188 NOISE PEAK LIMITER LIMIT PEAKS OF MOISE GREATER THAN SIGNAL BY RENDERING RECEIVER INOPERATIVE DURING PEAKS: USED BETWEEN SECOND DETECTOR AND FIRST AUDIO: THIS NAVY TYPE INCLUDES A 12H6 VACUUM TUBE. MT. LESS TUBES 12 OZ. *FOR USE MITH TCS REC. 9/22/43 M-3 CUZ: 44 BEC. 44 CUZ: 36
CFT 50149 *SEE BELOW MULTIPLE COUPLING UNIT: FREQ RANGE: 1 TO 40MC. OPERATES FROM AN ANTENNA TO PROVIDE SIX RF OUTPUTS. THIS UNIT IS UNTUNED. EACH OUTPUT IMPEDANCE	CW-50155 POWER OUTPUT IS 20 V ACROSS 125 OHMS WITH 5% OR LESS DISTORTION.	CW 50160 CW-50160 CM DIRECTIONAL LISTENING EQUIPMENT::  CAMCELLED
IS 150 OHMS.  *FOR USE WITH DAL SENSE ARTENNA		
NX ST- 33780. 6/9/45 RF-2014-14 HAR, 44 ISSUE A		######################################
CW-50150 QJA DRIVER AMPLIFIER: FREQ RANGE IS 22 TO 28XC. OUTPUT 150 W NOMINAL. SIMILAR TO TYPE -50126 EXCEPT: 1. TRANSMIT-RECEIVE RELAY REMOVED; 2. TAP PROVIDED FOR FREQUENCY BAND AD- JUSTMENT; 3. UNIT HOUSED IN A SMALLER	CW-50156 *SEE BELOW  TERMINAL REPEATER:  TO RETRANSMIT SIGNALS RECEIVED FROM THE TELEGRAPH FACILITY TO THE MODULATOR CIR- CUIT AND TO RETRANSHIT SIGNALS RECEIVED FROM THE DEMODULATOR CIRCUIT TO THE TELEGRAPH FACILITY. THIS CAN FUNCTION ON	CW 50161 CW-50160 ® AUDIO AMPLIFIER
CABINET. 6/16/43 CW:D-166468 SEPT 43	#UHF REMOTE CONT CIRCUITS NXg-18194 8/3/43 CW:X-63603U-1 CW:X-63003U-1 SEPT 43 ISSUE 1	#CONTRACT NX8 AND JS.CXEW \$/26/43 CW:ESO-667184 NOV. 43 ISSUE 0
CW-50151 QJA TRAINING CONTROL AMP- LIFIER: THYRATRON AMPLIFIER TO CONTROL THE TRAINING MOTOR OF THE RETRACTINGGEAR IN SUCH A MANNER THAT THE PROJECTOR MAINTAINS THE SAME TRUE BEARING IRRE-	CM-50156 A FULL OR HALF-DUPLEX BASIS TO THE TELEGRAPH FACILITY OR SIMILAR REPEATER. STANDARD 19" PANEL 6-31/32" HIGH.	CG-50162 *SEE BELOW SYNCHRO AMPLIFIER: SAME AS CG-50130 EXCEPT THAT 6 G SYNCHRO OUTPUT AT 36 SPEED HAS BEEN ADDED TO THE 7G SYNCHRO OUTPUT.
SPECTIVE OF CHANGES IN THE DIRECTION OF THE SHIPS HEAD. 6/16/43 CN:0-166478 CW:ESX-652680 SEPT-43 ISSUE!		#MX5-6985 9/7/43 M-8097842 AUG. 44 REV 4
CZH 50152 OBB AUDIO AMPLIFIER: BUILT-IN BATTERY SUPPLY (1-1/2V & 67-1/2V). PEAKED AT 230 CYCLES WITH A GAIN OF APPROX. 80 DB. EQUIPPED WITH SIGNAL STRENGTH METER CALIBRATED 0 TO 200 MICROAMPS. UNIT HAS PROVISIONS FOR SET OF NAVY TYPE -49016 HEADPHONES (600 OHM 6/22/43 353	CRY 50157 RCP SIGNAL CONTROL PANEL: FOR COMBINING THE OUTPUT SIGNALS OF THE DIVERSITY RECEIVERS, THE RESULTANT OUT- PUT BEING FED TO THE TONE KEYER TYPE CRY-50096. INCLUDES 3 PLATE MILLIAMETERS TO INDICATE OUTPUT UP TO 3 RECEIVERS.	CG-50162-A NXSS-30836 SYNCHRO AMPLIFIER SAME AS -50162 EXCEPT FOR CHANGE IN 3 RESISTORS.
MAR. 44 REV 0 ASSIGNI	ISSUED	
ASBANIT-SAINWASS ** "REHVERSINGS **	Kannya Canda	DATE MONICOLANIA STANDARD TANDE

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION		HAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	ON SPECIFICATION		HAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	or sye creation
CANH 50163	LING UNIT	100 To 1000		CW- 5016 RADIO-LIN					74 - A SEE BI	ELOW RX 53F 209 RE 4904A
NND 4000 TO : MOUNTING ON : NAVY TYPE -4	30.000 KC. AF A VERTICAL SI 7171 TRANSFOR	, 200 TO 4000 K RRANGED FOR URFACE, USES ON RMER, USED WITH RG-12/U HAVING	E					INSERTED REDUCE RE		A AND RECEIVER T RECEIVER. SAME
SOLID DIELEC 9/25/43 AUG. 44	TRIC. SIMILA	R TO -50067A RA 66F259C		10/15/43 NOV. 43				#FOR USE 5/29/44 DEC. 44	WITH RCF	CN:AC2060
INSTEAD OF GO USE WITH GAS	AS FILLED LINE FILLED LINE	50163 DLID DIELECTRIC NE, DEVICES FOR ARE NOT USED. E DEHYDRATOR.		CM- 5016 RELAY RAD				FREQUENCY 115/1/60 AND SELECTION SEND, REC	OR-AMPLIFIER UN Y RANGE: 17 TO	26 KC, INPUT ETER, LOUDSPEAKE H 3 POSITIONS; RESISTIVE COM-
				10/15/43 NOV. 43				100 OHMS 12/23/43 AUG. 44	. POWER OUTPUT	ON "SEND"
19-50154	QFL			RA- 50171 MODULATOR						CPK 50175
INCLUDES A 3 TABLE, A HIG AN AMPLIFIER PLIFIER HAS	H IMPEDANCE   AND SUITABLE THREE OUTPUT	6" DIAMETER TUM MAGNETIC PICKUP E CONTROLS. AM- CHANNELS: ONE GOES TO THE RE	•	WATTS. HE	IO OR 220 VOLTS GH IMPEDANCE VA PUT. AUDIO RESE . WIDTH 15", HE	ARTABLE VOLTAGE Ponse flat from	:	70 -5016	IS APPROX. 0.7	WATTS, SIMILAR
CORDER STYLU 9/25/43 NOV. 43	S, ONE IS US	ED TO TRIGGER		10/23/43 NOV. 43						
THE PECOSOED	AND FEED THE	RQ- 50164		CHL 50171	IFIER	02931		cG-5017		
HE RECORDER 19/1/60, 0. FROM 105 TO 50 TO 60 CYC STORAGE SPAC PART, AND AD	. TURNABLE OF 33 AMPS. AMPI 125 VOLTS SIL LES, 350 WAT E IS PROVIDE	TS. RECORD D IN THE LOWER T ARE PROVIDED		VOLTS DC A OHMS BALAN 50 OR 600 GAIN AS 10	O VOLTS DC AT 1 IT 150 MA. HPU ICED TO GROUND, OHMS 204b BELC Odb. Response 70 To 12000 CP	)T IMPEDANCE 12 , OUTPUT IMPEDA )W 1 MILIWATT. IS FLAT WITHIN	NCE	RECEIVES LEADING INTRODUC WHICH IS GATE USE	C SYNCHRONIZER A MARKER COINC EDGE OF THE "A ES A DELAY, AND ABOUT THO MICR D TO SAMPLE LEA IGNAL AS IT SET DL 4H418A	" PEDESTAL, MAKES A GATE OSECONDS LONG. DING EDGE OF THE
SUPPLY: 110/ SYNCHRO AND ELECTRIC AMP	CONTROLS A COLIFIER. CONT.	ES FROM A SCT G-21057 DYNAMO AINS TWO 6L6		CPS. BELO	NTS PROVIDING ( N 1200 CPS, OR D TYPE -50123 N	BELOW 2400 CPS		VOLTAGE UNIT WHE	WHICH IS SENT T	CG-50176 PHASE OF 60 CYCI O THE CRYSTAL CIRCUIT IS USED
9/26/43, NH- NOV. 43. CRV		CG:W-306398-14								
FREN RANGE: INCLUDES DB SELECTOR SWI RECEIVE. AND OF OUTPUT OR	METER, LOUDS TOH WITH 3 P BEAT, RESIS INPUT IMPED	INPUT: 115/1/6 PEAKER, AND OSITIONS: SEND, TIVE COMPONENT ANCE IS 100 OHM		ANTENNA MI INPUT: 110 FOR COUPL ATTENUATIO ATTENUATIO	POR GEN RAD DITICOUPLER UNI DITICOUPLER UNI DITICO SACE RAD ON TO BACK RAD ON TO INCOMING IS FOR RACK HOU RACK.	T 2 AMPS, 35 WATT 10 5 RECEIVERS. ATION IS 60DB. SIGNAL IS ZERO	· s .	INCLUDES ORS AND TWO COMP	TROL UNIT VACUUM TUBE AM ASSOCIATED CONT ARTMENTS, EACH	
POMER DUTPUT 10/1/43 146 AUG. 44	ON "SEND" P	3427 REV 0		11/26/43 MOV- 43		*(NXSr-39138)		3/17/44 MAR. 44	X-66314C	
APPROXIMATEL	Y 0.7 WATIS.	cqJ50166		ELECTRONI ERATOR OR WAVE). US	NERATOR	NDOM NOISE GEN- N (SAW-TOOTH MODULATOR -5017	•	AND 250 NOISE OU WITH SWI (40.6-0. SISTS OF 4/3/44	OR UNIT  VOLTS AC AT O.  VOLTS DC AT 14  TPUT GREATER TH  TCH IN "HI" POS  3) PEAK IN "LO"	6 AMPS (HEATER) MILLIAMPS (PLATI AN 24 VOLTS PEA HTION, 3.2 VOLT POSITION, CON- CUUM TUBE OSCIL
CW-50167 LINE TERMINA	UF L UNIT			RERADIATI ONE STAGE INSERTED	4 FOR USE WI ON SUPPRESSOR . UNTUNED AMPL BETWEEN ANTENN RADIATION FROM	IFIER WHICH IS A AND RECEIVER			D A TYPE 6AG7 V COUPLED AMPLIF	
10/15/43 NDV. 45			ASSIGNED	12/15/43 FEB. 44			ASSIGNED			

				Converters—/VIIXII	ng Paneis				
HAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	DES	VY TYPE GHATION FIRST ASSIGNED FOR	OR SPECIFICATION	DES	VY TYPE	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
AMPS - WID APPROX. I INPUT IME OUTPUT IM	LIFIER  (90 TO 130) V E BAND AMPLIFI  06Db WITH APPR EDANCE 50 OHMS IPEDANCE 300 OH	RQ50F126A OLTS DC. AT 0.3 ER. OVERALL GAI OX 100 MN OUTPU AT 900 CYCLES. MS FOR LOUDSPEA APPROX 8000 OHM	H.; 5 CO N DE T. 4 TO KER FR S DE	-50184 REA F. AMPLIFIER & DETECT MITAINS 2 HF AMPLIFIER MODULATORS. ONE HF AM TO 10 MG RANGE AND TH 22 MC RANGE. CONTROL OM ONE RANGE TO THE 0 NSORS FOR INPUT AND 0 24/44 D-169178	S AND 2 FIRST PLIFIER COVERS E OTHER COVERS 10 S ARE PROVIDED THER. TUNING CON-	C( C( H C( T T	CHS- 50190 UK DISCRIMINATOR UNIT: CONTAINED IN CHASSIS WITH CLAMP-ON : COVER. CONTAINS ATTENUATOR AMPLIFIE WITH BIAS CONTROL DRIVER & LOW IMPE. CATHODE FOLLOWER OUTPUT. FOUR TERMI COAXIAL INPUTS PROVIDED TO SUPPLY P TIVE ATTENUATING PULSES TO DRIVE AM 5/27/44 CDU:C-2A CDU:DD-329 FEB. 45		
MODIFIED INTERCHAN PROVED DE		ELECTRICALLY 0133, IS OF 1M- ALLY INTERCHANG	C O	AMPLIFIERS ARE GANGE INTROLLED FINE ADJUSTM HE INPUT CIRCUIT.		M P1	ITTER FR UTS PROV FF-ON SH	OM BLOCKING REC IDED FROM CATHO	CHS- 50190  F. K5EPS TRANS- EIVER. FOUR OUT- DE FOLLOMER WITH RCUIT. REQUIRES O V.A.
TRAINING CONSISTS WHICH SUP ENDANT VA WHICH IS AT 200 MA TOR CIRCU	PLIES 115 VOLTS CUUM TUBE RECT CAPABLE OF FUR	ULATING TRANSTA S TO TWO INDEP- IFIER EACH OF NISHING 350V DC E VOLTAGE REGUL	1. T CC FI L1 DE A - OF	4-50185 REA  F. AMPLIFIER & DETECT ONTAINS INTERMEDIATE F ILTER. FIRST INTERMEDI FIER STAGE AND THE B MODULATOR. ELEMENTS A PERATION AT APPROXIMAT  /24/44 p-169187 EB. 45	REQUENCY BAND ATE FREQUENCY AMP LANCED SECOND RE ARRANGED FOR	E A P - P U 2 F C 6	MPLIFIES ULSE FRO NIT. CON 050 VACU	RIVER UNIT: AND SHAPES OUT M NAVY TYPE CHY TAINS FILAMENT UM TUBE, PULSE NET WORK OF RE	/-23440 CENTRAL TRANSFORMER TYPE OUTPUT TRANS-
STAGE PUS TROL AN E MOUNTED O	H-PULL AMPLIFU XTERNAL TRAINI N A METAL CHAS EL. A PART OF		LE C1 T1 O1 S T1	M-50186 REA MANNEL AMPLIFIER: MO ARE PROVIDED: ONE F NE FOR CHANNEL B. EACH TAGE AMPLIFIER, A BALL ECTOR AND A VOICE FREG /24/44 D-169181 EB. 45	H CONTAINS A 3 INCED THIRD DE-	R A F S O G	.F. SHEE UTOMATIC UDIO RAT REQUENCY WEEP PLU PERATES	P CONTROL UNIT	ATE, NIDTH OF D 1500 CYCLES. HAVING AN INTE-
PUSH-PULL SOCIATED METAL CHA PROVIDED	PLIFIER: OF A SINGLE ST. CLASS & AMPLII POWER SUPPLIES SSIS HAYING A I WITH A PLUG FOI THE -23430 CO	FIER AND ITS AS ALL MOUNTED ON FRONT PAKEL AND R REAR CONNECTI	C: C: A O: N. 4	W-50187 REA HANNEL "B" AMPLIFIER: ANCELLED 1/16/45 //24/44 EB. 45				S. FOR USE WITH TDE OR OTHER M	RA-50192 18K-5 UP. T3L-3 .O. XNITERS.
TWO STAGE MAX. GAIN	QUENCY AMPLIFIE	H TWIN OUTPUTS, FOR USE ON 600	C C S R	W-50138 REA ARRIER AMPLIFIER: ONTAINS 3 CARRIER BRA TAGES. THE AUTOMATIC ECTIFIER AND A RECOND MPLIFIER STAGE.	VOLUME CONTROL	M C F M D 1	MODULATOR CLASS "8" FOR PLATE WHEN OPER DRIVEN BY	MODULATING TO MODULATING TO ATED AT I/2 PO	TPUT OF 250 WATT' 100% T3K SERIES HER. PUSH PULL. AMPLIFIER. INPU D 115/1/60.
4/24/44 July 44				/24/44 D-169183 EB. 45		7		M1-8855	T-617659 SUB 0
INCLUDES DUAL MOSS HISH FREQ CIRCUIT, SHIFT VOI	ODULATOR: LEPUT CIRCUIT. LAYOR CIRCUIT. UERCY AMPLIFIE AND OUTPUT CIR CE CHARNEL FRO	CUIT. USED TO M ONE POSITION	E R	CHS - 50189 UK INTRANCE BOX UNIT: CHASSIS HAS 4 SHIELDED HIELDED ENCLOSURE. PR ERMINAL & DISTRIBUTIO LORAN TUNER SHIELDED R SINGLE STAGE WIDE BAND OR AMPLIFIER. WHICH R	OVIDES ENTRANCE N FACILITY TO OOMS, CONTAINS UNTUNED ATTENUA-	'Н (	MODULATOR CONSISTS ONE -5100 DNE -5009	94 ASEE BELO ASSEMBLY: OF ONE -50193 08-A HAND TELEP IS SPEACH AMPLI	MODULATOR UNIT, HOME ASSEMBLY, FIER,
AUDIO RAN 4/24/44 July 44	IGE TO ANOTHER	BT MUDULATING	5	TOR AMPLIFIER, WHICH R 5/27/44. CDU:B-C-IA FEB. 45	CDU:DD-3296-C1	,	7/3/44 SEPT. 44	H1-8855	CRV:T-617656 REY 0
UENCIES. BAND BY I FILTER.	SELECTING THE MEALS OF A 3 KC AMPLIFYING THES	CHANNEL BANDPA	T T T T T T T T T T T T T T T T T T T	FION FROM TERMINATED 5 RANSMISSION LINE ISOL RIDED FOR 4 LOW GAIN R ROM I EXTERNAL SUPPLY OWER SHITCH PROVIDED HODEL UK EQUIPMENT. RE TYCLES AT 3 V.A; PLUS 1.A.	ATED FEEDS PRO- ECEIVERS INPUTS ING SOURCE. MAIN ON THIS UNIT FOR QUIRES 115V. 60	C C C C C C C C C C C C C C C C C C C	CRV- 501 CONVERTER CONVERTS CONVERTS FOR TO TO 5 FLISHED B CIRCUIT. CIES WHICE	OOO KC. CONVER Y A DOUBLE HET DIAL CALIBRATI	RSION WIDTH IN THE TO THE AUDIO BANG SION IS ACCON-
			ASSIGNED		AS	S SIGNED	EPT. 44		

DATE

MANUFACTURER'S MANUFACTURER'S DESIGNATION DRAWING NUMBER

STRVIT SALKACE

MANUFACTURER'S DESIGNATION MANY INCTUMENT

MANUFACTURER'S DESIGNATION

DATE

•	3	
DESIGNATION FIRST ASSIGNED FOR NAVY DRAWING	HAYY TYPE DESIGNATION FIRST ASSIGNED FOR MAYY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION FIRST ASSIGNED FOR NAVY DRAWING OR SPECIFICATION
115V DC. CRV- 50195 USED WITH JP SERIES AMPLIFIER.	CRV- 50200 TORPEDO ROOM AND CONNING TOWER. SIMILAR TO -50196 BUT NOT INTERCHANGEABLE.	CFT- 50204 TDN-4  MODULATOR INPUT: 4250V DC. 600V DC. 220V AC. 110V AC. HAS INTERNAL BIAS SUPPLY OF 130V DC CONSISTS OF 2 STACES OF SPEECH AMPLIFICATION. A DRIVEN STAJE, AND CLASS 8 MOD ULATOR STAGE. PROVIDES ABOUT 2 KW OF AUQ10. 9/13/44 125-A RC-5869-12A OCT. 44 ŘEV O
CRY - 50196 - WG - CONVICE - CO	- COOO4 18	
RY-50196 WCA CONVERSION  LUDIO AMPLIFIER:  SUPPLY: 1154 OC 3 STAGES INPUT AND OUT-  PUT IMPEDANCE IS 600 OHMS, GAIN IS AT  LEAST 72 db WITH MAX. OF 800 MM OF UN-  DISTORTED POWER. INCLUDES RELAY FOR  CHANGING CONNECTIONS FOR TALK-BACK USE.  PERMITS COMMUNICIATION BETWEEN FORWARD  845-744  SEPT. 44	CRY - 50201 JT  SONAR TALKBACK SYSTEM  CORSISTS OF A TYPE -50200 AUDIO AMP- LIFIER, A TYPE -49590 TALKBACK SPEAKER UNIT, A TYPE -23461 OPERATOR'S CONTROL  UNIT AND A TYPE -49586 HEADSET ASSEMBLY  9/5/44  OCT. 44	ER MHICH IS A STEEL BOX THAT MOUNTS ON THE PANEL, REPLACING INPUT AND MAGNE- TIZER RECEPTACLES, PUSH-TO- MAGENITIZE 10/4/44
	•	DEC. 44
CRY- 50196 TORPEDO ROOM AND CONNING TOHER.	CM-50202 \$SEE BELOW RE 9597  DG SYNCHRO ANPLIFIER (OSC) MIXES SYNCHRO SIGNALS IN STANDARD SERVO SYNCHRO SYSTEM FOR USE WITH RADAR EQUIP MENTS. CONSISTS OF A 115/2/50 SERVO MO- TOR TWO 5CT SYNCHROS AT 1-35 SPEED AND SERVO AMPLIFIER FOR INPUT AND A 70G SYN \$#FOR GENERAL RADAR USE  9/8/44  OCT. 44	SWITCH, A ČD METER, FUSE HOLDERS, MAGNETIZING SHITCH, PILOT LIGHT, PUSH-
CRY- 50197 ASEE BELOW SONAR TALKBACK SYSTEM CONSISTS OF A TYPE -50196 AUDIO AMPLIF- IER, A TYPE -49585 TALKBACK SPEAKER UNIT A TYPE -23451 OPERATOR'S CONTROL UNIT AND A TYPE -49586 HEADSET ASSEMBLY. AMCA-CONVERSION	CM-50202 CHRO AT 1 SPEED AND A 6DG SYNCHRO AT 36 SPEED FOR OUTPUT	RQ-50206 UP-2a, JP-3a AUDIO AMPLIFIER: INPUT: 110 (90 TO 130) V DC AT 0.35 AMPS CONSISTS OF TYPE -50179 AUDIO AMPLIFIER MODIFIED BY A NOISE LEVEL MONITOR ADAP- TER WHICH IS A STEEL BOX THAT MOUNTS ON THE PANEL, REPLACING INPUT AND MAGNETI- ZER RECEPTACLES, PUSH-TO-MAGNETIZE KEY, 10/4/44
OCT. 44		DEC. 44
CZC- 50198 ROO RE 9424A  IF-AF AMPLIFIER  IF FREQUENCY IS 30 MC (CENTER FREQUENCY)  MAXIJUM UNDISTORTED OUTPUT OF UNIT IS  40 MILLIWAITS ACROSS 600 OMM LOAD. HEAD- PHONE JACK ON FRONT PANEL. OUTPUT CON- MECTION AT REAR FOR AUDIO OUTPUT TO RE- MOTE POSITION.  8/15/44 9000  OCT. 44	CG-50202-A \$SEE BELOW RE 9597 DG SYNCHRO AMPLIFIER (DSC): SAME AS BASIC NUMBER EXCEPT FOR COM- PONENTS. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH -50202.  \$FOR GENERAL RADAR USE 10/21/44 DL-8236506-G1 DEC. 44	RQ-50206  POWER SWITCH, INDICATOR TUBE AND FUSE POSITIONS, PROVIDES SELECTORS SWITCH, A db METER, FUSE HOLDER, MAGNE- TIZING SWITCH, PLOT LIGHT, PUSH-BUTTON SWITCH, POWER SUPPLY SWITCH, A DOUBLE THROW SWITCH AND 4 RECEPTACLES, FREQ. RANGE: 100-10000 CPS.
CRY- 50199 JT  CONVERTER-AMPLIFIER CONVERTS ANY 5 KC BAND MIDTH IN THE RANGE OF 8 KC TO 60 KC TO THE AUDIO BAND OF 0 TO 5000 CPS. CONVERSION IS ACCOM- PLISHED BY A DOUBLE HETERODYNE MIXING CIRCUIT. DIAL CALIBRATIONS MARK FREQ- UENCIES WHICH WILL GIVE ZERO BEAT. 9/5/44 OCT. 44	CH- 50203 ASEE BÉLON RE 9597  DG SYNCHRO AMPLIFIER  (OSC & DIC): MIXES SYNCHRO SIGNALS IN STANDARD SERVO SYNCHRO SYSTÉM FOR USE WITH RADAR EQUIPXENTS. CONSISTS OF TWO 1155/2/60 SERVO MOTORS. TWO SCT SYNCHROS AT 1.36 SPEED 7DG SYNCHRO AT 1 SPEED AN AFOR GENERAL RADAR USE 9/8/44  OCT. 44	SONIC AMPLIFIER. SONIC AFFLIFIES SIG- NALS IN BAND FROM 200 TO 15000 CYCLES. OUTPUT IS FED INTO TWO 600 OHM HEADSETS
CRY- 50199 SUPPLY: 120V DC. USED WITH JP SERIES AMPLIFIER. SIMILAR TO -50195 BUT NOT INTERCHANGEABLE.	CM- 50203 A 6DG SYNCHRO AT 36 SPEED FOR QUIPUI.	CBM- 50207 VARIOUS PARTS OF THE SPECTRUM. SUPERSOCIO AMPLIFIES SIGNALS IN JAN FROM 8000 TO 102,000 CPS. WILL SELECT ANY ABAD OF 4000 CPS IN THIS SPECTRUM. OUTPUT IS FE INTO TWO HEADSETS AND METERING CIRCUIT.
CRV- 50200 JT SONAR TALKBACK AMPLIFIER SUPPLY: 1200 DC. 3 STAGES, INPUT AND OUTPUT 1:00 DC. 3 STAGES, INPUT AND OUTPUT 1:00 DC. 3 STAGES, INPUT AND LEAST 72 db WITH MAX. OF 800 MM OF UN- DISTORTED POWER, INCLUDES RELAY FOR CHANGING CONNECTIONS FOR TALKBACK USE. PERMITS COMMUNICATION BETWEEN FORWARD 9/5/44 OCT. 44	MECHANICALLY INTERCHANGEABLE WITH TYPE -50203.  *FOR GENERAL RADAR USE 10/21/44 DL-8236507-61	CM-50208 ASEE BELOW RE 9597 SERVO AMPLIFIER: - SUPPLY: 115/1/60 AT 0.6 AMP AMD CT ROTE SYMCHRO SIGNALS AT 1-36 SPEED FROM THE SYMCHROS IN THE CSC OR DIG SYSTEM. AMP- LIFIES AND SHIFTS PHASE OF THESE SIGNAL AND FEEDS ONE PHASE OF A 2 PHASE SERVO 4FOR GENERAL RADAR USE 11/6/44 ASSIGNED

MANUFACTURER'S DESIGNATION

DATE

MANUTACTURER.

MANUFACTURER'S

DATE

DATE

MANUFACTURER'S DESIGNATION drawing trainer

DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION		NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	on specification		MAYY TYPE DESIGNATION	FIRST ASSIGNED FOR	ON SPECIFICATION	
	IN TYPE -5020 AMPLIFIERS.	CM- 50208 D2 AND -50203		RW- 50212 HIXER UNIT:	FSÇ.			CW-50217 BM  MODULATOR FREQ. RANGE: 425 TO 4675 CPS. CONSIST: OF VACUUM TUBE TYPE PANEL SUITABLE FOI KEYING A TONE SIGNAL OF O OBM BY MEAN: OF AN ELECTRONIC RELAY. SIMILAR TO -50102 EXCEPT MAS PROVISIONS FOR TOME			
				11/25/44 DEC. 44		RW 50F505		1/5/45	NTACT KEYING.	POLAR KEYING	
SERVO AMPLE SUPPLY: 119 TOR SYNCHRO THE SYNCHRO AMPLIFIES O HALS AND FE	7/1/60 AT 0.6 AT 1- SIGNALS AT 1- OS IN THE OSC A SHIFTS PHASE EEDS ONE PHASE AL RADAR USE	MPS AND CT RO- 36 SPEED FROM DTC SYSTEM, OF THESE SIG-		CHG- 50212 MIXER UNIT: CONTAINS TH WHICH SEPAR AND COMBINE PUTS ARE FE	O IDENTICAL OF ATE THE MARK THE RECEIVER THE TYPE COMMENTO TYPE COMMENTO TYPE COMMENT AS -50212	AND SPACE TONES OUTPUTS. OUT- HG-53215-A FIL-		JAM. 45  RANGE FROM CW-5021 17 TO 100Y DC. TONE KEYING RANGE IS TO 0 DBM.			
-50203-A DO	. USED IN TYPE SYNCHRO AMPL PT FOR COMPONE	FIERS. SAME AS		INPUT: 115, INCLUDES DE LECTOR SWIT RECEIVE AN OF OUTPUT (	-AMPLIFIER UNI /1/60. FREQ. R B METER. LOUDS ICH WITH 5 POS ND 1 BEAT. RES	ANGE 7 TO 70 KG PEAKER AND SE- ITIONS 2 SEND, ISTIVE COMPONER ANCE IS 60 OHMS	.2 N T	CW-50218 TEF MODULATOR (1A) CONTAINS A BALANCED MODULATOR WHICH TRANSLATES AUDIO FREQUENCIES 125KC TO BAND OF 125.1 TO 131 KC. SAME AS NAVY TYPE -50246 EXCEPT FOR ONE TRANSFORMER WHICH ENABLES OPERATION ON 119 TO 124.1 KC. 1/17/45 MAR. 45			
DETECTORS AND THREE I CONSISTS OF	CLAY & BOI  CONSISTS OF  (PALS) A TRANSI  OWER SUPPLY UI  THO CHANNELS  JI OF A SPLIT I  VNELS IS FED II	TWO AMPLIFIER FER RELAY RACK VITS. EACH PAL TO BE CONNECT. HYDROPHONE. OUT WTO A BOI.TRANS SK-6213 ALT 2	-	APPROX. 1.0	) WATTS.	ссн- 502 <b>1</b> ∫	3	CONTAINS A 125 KC OSC 125 KC CAR WOBBLER DE	EBAND INPUT PA M AUDIO AMPLIE ILLATOR. A MOD RIER OUTPUT A VICE, AND A SW ION OF SINGLE	YING STAGE, A	
ING AND TR PROJECTORS DRIVERS FR VICE VERSA	ANSFERRING TOP AND RECEIVER OM TRANSMIT TO ALSO FUNCTIO ROM FORWARD TO	NS AS CONTROL		CLUDES CON	ER Quency, resist	REISA854 ANT-COUPLED. II EGRATING CIR-		CM-50220 TEF HULTI-CIRCUIT LOW FREQUENCY PANEL: CONTAINS A CRYSTAL CONTROLLED 625 KC OSCILLATOR, A 125 KC HULTIVI- BRATOR AND AMPLIFIER, A 125 KC CARRIE REINSERTION AMPLIFIER, A MODULATOR WI A 2625 KC OUTPUT, A 2500 KC HARMONIC GENERATOR, AND A BALANCED SECOND MODU 1/17/45			
AUDIO AMPL FREQ. RESPI OUTPUT 54 CPS. SUPPL INPUT. DRI FOR BULKHE PUT IMPEDA	DNSE 250-4000 ( HORMONIC DISTOR C: 115/1/60. 5 PPROOF ENCLOSUR AD MOUNTING. SI	CPSI. 2 WATTS (TION AT 400 CHANNEL AUDIO		CTF- 5021 AMPLIFIER SUPPLY: 11: VOLTAGE BE OF MODELS: SEARCH RECE BETWEEN 30	5/1/60. AMPLIE TWEEN 10 VOLTS RDC, RDG OR RO	VOLTAGES RANG		CH-5022  LATOR TRANSLATING THE CARRIER FREQUEROM 125 KC TO 2625 KC.		CH-50220 RRIER FREQUENCY	
11/10/44 DEC. 44	,			12/20/44 Jan. 45							
ANCE IS 60 FOR YOICE	O CHIS FOR LIN	-50210 E AND 15 OHHS		UNIT: RECI DISCRIMINA BEFORE FEEI NA INPUT TI CEIVER, ON	OISCRIMINATOR EIVES SIGNALS IOR UNIT AND A DING THEM TO T ERMINAL OF THE	FROM TYPE -501 ITTENUATES THEM HE REMOTE ANTE : TYPE -46249 R IHICH UNIT IT I NT & PLATE DD-5181-C-2	90 C A N- C E- S	W- 50221 MPLIFIER 2 ONTAINS A SI MPLIFIER WIT IRCUITS.  /17/45 AR. 45	TEF  NGLE TUBE RADI H SIX PRETUNED	O FREQUENCY PLAIE	
INCLUDES V SWEEP VOLT VOLTAGES F	PLIFIER UNIT: IDEO AMPLIFIER AGES AND OTHER	DEFLECTION TUBE. PART OF ER-INDICATOR.			ROM THE TYPE .	CDU- 50216 46249 RECEIVER		CW- 50222 AMPLIFIER : CONTAINS R. TWO PENTODI INDUCTAGE	3 ADIO FREQUENCY		
11/22/44 6 May 45	51013		ASSIGNED			1	ASSIGNED	1/17/45 MAR. 45			
	MANUFACTURES 1		ISSUED				ISSUED				

STANKT SAINKAS

CU-50227 TF  COSTINGS A SADD PRODUCTOR APPLIFER COSTINGS A SADD PRODUCT APPLIFER COSTINGS APPLIFER A MARTING APPLIFER COSTINGS APPLIFER COSTI					Converters—Mixing	? Panels				0100
AND STREET A STATE OF STREET AND	DESIGNATION	FIRST ASSIGNED FOR	OR SPECIFICATION		MANY TYPE DESIGNATION FIRST ASSIGNED FOR	NAVY BRAWING OR SPECIFICATION		DESIGNATION	FIRST ASSIGNED FOR	SHYXSHIS FRY NO
TELEGRAPH BATTERT.  THE CONTROL AND A PROTOCOL MARK. 45 1.18.22 6.0 155 14  TELEGRAPH BATTERT.  THE ALL SILVE STORY AND A PROTOCOL MARK. 45 1.18.12 1.00, 125 1.00, 12	AMPLIFIER 4 CONTAINS A F WITH 2 PEHT ( VARIABLE IND VISIONS FOR CW-50222 AMF TERMINALS OF 1/17/45	RADIO FREQUENC DOES IN PUSH-P DUCTANCE TUNIN THE PLATE TER PLIFIER 3 AND	ULL WITH G. HAS PRO- MINALS OF TYP THE GRID		TELEGRAPH ORDER WIRE PA CONSISTS OF STEEL PANEL FILTER. COILS. CAPACITO A POLAR RELAY. PROVIDES ORDER WIRE FACILITIES O CHANNEL OF THE STEEM U 2465. POMER REQUIRED IS 1/18/45 K-327-205	EQUIPPED WITH RS. RESISTORS & FOR TELEGRAPH VER A SINGLE TON SING A FREQ. OF +130 VOLT H-327-205	E	MARK CHANI (CHANNEL : CW-50229   QUENCY OF  OHOD. BY 1/18/45	NEL TERMIMAL 2-765 CYCLES): EXCEPT IS OPERA 765 CYCLES. H-327-100, LIST U700478-1 LISTS	TES ON A FR
MAS. 46  W. 50225 UP  BASE FEGURICY APPLIFIER  BINGLE STAGE APPLIFIER  BINGLE	AMPLIFIER 5 CONTAINS THE LIFIER WITH VARIABLE INC	E RADIO FREQUE 2 TRIODES IN DUCTANCE TUNIN	PUSH-PULL WIT G. GRID TERMI	н	TELEGRAPH BATTERY.	cw-5022 <b>7</b>		SPACE CHA (CHANNEL CW-50230	NNEL TERMINAL 2-935 CYCLES); EXCEPT 11 OPERA	
ANDIO FREQUENCY AMPLIFIER SINGE STAGE APPLIFIER SING A PENTODE VACUUM TODE WITH MAIL, CAIR OF 35 do 308- NATURE OF AN OFFICE AND STAGE A								1/18/45	J700478-1, LIS1	S J700478-1
ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER REQUIREMENTS.  ON STEEL PANEL, SAME AS TIPE -50100 EX- CEPT FOR PILAMENT POWER SECURITY POWER POWER POWER FOR PANEL SECURITY POWER POWER POWER FOR PANEL SECURITY POWER POWE	AUDIO FREQUE SINGLE STAGE VACUUM TUBE STANTIALLY F INPUT & OUTF EQUIPPED WIT MOUNTED ON A 1/18/45 J68	ENCY AMPLIFIER US WITH MAX. GAI LAT OVER VOIC PUT IMPEDANCES IN TEST & MONIA STEEL PANEL.	ING A PENTODE N OF 35 db SU E FREQ. RANGE 600 OHMS. TORING JACKS.	B - •	BASE FREQUENCY AMPLIFIE USES 2 POWER PENTODE TU PUSH-PULL. USED TO RAIS TYPE CW-35068 BASE FREO TO PROTECT IT AGAINST C IMPEDANCE. POWER REQUIR FILAMENT AND 130Y OC FO 1/18/45 J70036H-1	BES CONNECTED IN E ENERGY BEVEL O UENCY OSCILLATOR HANGES IN LOAD ED: 24V DC FOR R PLATE. MOUNTED J70036H-1	F	CURRENT L UNIT IS A CONSTANT IMPUT. TW AS LIMETE REQUIRED: DC FOR PL 1/18/45	MITER RRANGED TO DELI DUTPUT WITH WID D VACUUM TUBES R AND ONE AS AN 24V DC FOR FIL ATE. MOUNTED OF	DE VARIATION USED: ONE U APLIFIER. PO LAMENT AND I N A STEEL PA J700473-1
CN-50225-A UP AUDIO FREQUENCY AMPLIFIER SINGLE STAGE AMPLIFIER USING A PENTODE VACUUM TUBE WITH MAI. GAIN OF 35 db SUBSTANTIALLY FLAT OVER VOICE PREQ. ARAGE. INPUT a 017PUT IMPEDANCES 600 MAR. CHANNEL TERMINAL MAR. 45 1.2.5.27 4 C G ISS 14  CN-50225-A ARAGE. INPUT a 017PUT IMPEDANCES 600 MAR. 45 1.2.5.27 4 C G ISS 14  CN-50225-A FROM TYPE CN-20356 POWER SUPPLY DNIT. SAME AS 1776-7-90 MAR. 45 1.2.5.27 4 C G ISS 14  CN-50225-A FROM TYPE CN-20356 POWER SUPPLY DNIT. SAME AS 1776-7-90 MAR. 45 1.2.5.27 4 C G ISS 14  CN-50225-A FROM TYPE CN-20356 POWER SUPPLY DNIT. SAME AS 1776-7-90 MAR. 45 1.2.5.27 4 C G ISS 14  CN-50225 EXCEPT IT HAS ONE OUTPUT OF AMPLIFIER B RESULTANT OF CNAREM IS ARCHIFTED USING A PENTODE. CN-50226 UP MAR. 45 1.2.5.27 4 C G ISS 14  CN-50225 EXCEPT IT HAS ONE OUTPUT OF AMPLIFIER B RESULTANT OF CNAREM IS ARCHIFTED USING A PENTODE. CN-50226 UP MAR. 45 1.2.5.27 4 C G ISS 14  CN-50226 UP MAR. 45 1.2.5.27 4 C G ISS 14  CN-50226 UP MAR. 45 1.2.5.27 4 C G ISS 14  CN-50226 UP MAR. 45 1.2.5.27 4 C G ISS 14  CN-50226 UP MAR. 45 1.2.5.27 4 C G ISS 14  CN-50226 UP MAR. 45 1.2.5.27 4 C G ISS 14  CN-50226  AND THE AMPLIFIER USING PENTODE VA- UNIT USE WITH MAX. GAIN OF 35 db SUB- STANTIALLY FLAT OVER VOICE FRED, RANGE. UNIT UNIT USE WITH MAX. GAIN OF 35 db SUB- STANTIALLY FLAT OVER VOICE FRED, RANGE. UNIT UNIT USE WITH MAX. GAIN OF 35 db SUB- STANTIALLY FLAT OVER VOICE FRED, RANGE. UNIT UNIT USE WITH MAX. GAIN OF 35 db SUB- STANTIALLY FLAT OVER VOICE FRED, RANGE. UNIT UNIT USE WITH MAX. GAIN OF 35 db SUB- STANTIALLY FLAT OVER VOICE FRED, RANGE. UNIT UNIT USE WITH MAX. GAIN OF 35 db SUB- STANTIAL TO THE SECON OF THE SE	TYPE CN-2036	66 POWER SUPPL				TYPE -50100 EX-	,	MARK CHAN (CHANNEL CW-50229	NEL TERMINAL 3-1105 CYCLES): EXCEPT IT OPERA	
AUDIO FRÉQUENCY APPLIFIER SINCLE STAGE APPLIFIER USING A PENTODE VACUUM TUBE MITH MAX. GAIN OF 35 db SUBSTANTIALLY FLAT OVER SUPELY UNIT. SAME AS TYPE -50225 EXCEPT IT HAS ONE ADDITIONAL LEAD.  CW-50225-A RROWLE SAME SUPELY SING PENTODE VACUUM TUBE WITH MAX. GAIN OF 35 db SUB- SINGLE STAGE APPLIFIER USING A PENTODE VALUE OF FREED WITH TEST AMONITORING ADDITIONAL LEAD.  CW-50225-A RROWLE SUPELY SINGLE STAGE AND ST								1/19/45	J700478-1 L1STS	J700478-1
TITES AS A DELIFIER USING PENTODE VA- CUM-50226  AND THE AMPLIFIER USING PENTODE VA- SINGLE STAGE AMPLIFIER USING PENTODE VA- CUM-50226  AND THE AMPLIFIER STAGE AMPLIFIER SCOUNTS A PENTOR STAMILLAR INTO THE DESTAGE AMPLIFIER STAGE AMPLIFI	AUDIO FREQUE SINGLE STAGE VACUUM TUBE SUBSTANTIALL RANGE. INPUT OHMS. EQUIPF	NCY AMPLIFIER US WITH MAX. GAI Y FLAT OVER V OUTPUT IMP	ING A PENTODE N OF 35 db OICE FREQ. EDANCES 600 & MONITORING		MARK CHANNEL TERMINAL (CHANNEL 1-425 CYCLES): ING & RECEIVING CHANNEL CHANNEL 1- 425 CYCLES. MODULATING CIRCUIT IN T AND A TWO STAGE A-C AMP	. TERMINAL FOR CONSISTS OF A HE SENDING END PLIFIER IN RECEIV		SPACE CHA (CHANNEL CH-50230	NNEL TERMINAL 3-1275 CYCLES) EXCEPT IT OPERA	
AMPLIFIER IS RECTIFIED 8 RESULTANT DC SAME AS TYPE -50225 EXCEPT IT HAS ONE ADDITIONAL LEAD.  AMPLIFIER IS RECTIFIED 8 RESULTANT DC CURRENT IS AMPLIFIED USING A PENTODE. OUTPUT OF AMPLIFIER OFFRATES A RECEIVING RELAY WHICH REPEATS SIGNALS INTO THE DE- SIRED TYPE DC TELEGRAPH SIGNALS. INPUT 24 V DC FILAMENT, 130V DC PLATE AND 2130  VOLTS TELEGRAPH DC SUPPLY.  CW-50226  UP ONDITIOR AMPLIFIER USING PENTODE VA- DUM TUBE WITH MAX. GAIN OF 55 db SUB- STANTIALLY FLAT OVER VOICE FREO, RANGE. IMPUT A OUTPUT TOPE AMPLIFIER EXCEPT THE TEST 4 MONITORING JACKS ARE OHITTED HILLER TO TYPE -50225-A AMPLIFIER EXCEPT THE TEST 4 MONITORING JACKS ARE OHITTED HILLER TO TYPE -50225-A AMPLIFIER EXCEPT ANAR. 45 LISTS 1 & MA OR, 1SS 12  AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  AND RESULTANT DC CURRENT IS AMPLIFIED  WENCH TO THE OPERATES ON A OUTPUT OF AMPLIFIED BRESS DC ACCEPT IT OPERATES ON A OUTPUT OF AMPLIFIED USING A PENTODE.  AND RESULTANT DC CURRENT IS AMPLIFIED  WING A PENTODE. OUTPUT OF AMPLIFIER OPERATES ARECTIVING PENAME OF THE OPERATES ON A OUTPUT OF AMPLIFIED USING A HOD.  WARK 45 1,2,11,2,22 & CO ISS 14  CW-50229 EXCEPT IT OPERATES ON A OUTPUT OF AMPLIFIED  WARK CHANNEL TERMINAL (CHANNEL	1/18/45 J68	8635E-1	ANEL. OFERAIES	•	1/18/45 J700478-1 LIST	S J700478-1		1/19/45	J70047B-1 LISTS	J700478-1
VOLTS TELEGRAPH DC SUPPLY.  OMOD. BY H-327-100, LIST 3 1/19/45 J700478-1 LISTS J700478 HAR. 45 1,2,11,22 & CØ ISS 14  CW-50230 UP SPACE CHANNEL TERMINAL (CHANNEL 1-595 CYCLES): SPACING, SEND- INDUIT A OUTPUT IMPEDANCES 600 OHMS. SI- MILAR TO TIPE -50225-A AMPLIFIER EXCEPT THE TEST & MONITORING JACKS ARE OMITTED 1/18/45 J88635F-1 J88635F-1 J88635F-1 HAR. 45 1,6,22 & C Ø ISS 14  CW-50226  AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  OPERATES A BECEIVING THAT DC CURRENT IS AMPLIFIER OPERATES A BECEIVING RELAY WHICH RE- PEATS SIGNALS INTO THE DESIRED TYPE DC TELEGRAPH SIGNALS, INPUT 24V DC FILA- MENT, 130V DC PLATE AND ±130V TELEGRAPH DC SUPPLY.  ON 24 VOLT AND 130 YOLTS C.  ASSIGNED  VOLTS TELEGRAPH DC SUPPLY.  GMOD. BY H-327-100, LIST 3 1/19/45 J700478-1 LISTS J700478-1 1/19/45 J700478-1 1/1	SAME AS TYPE	-50225 EXCEP	SUPPLY UNIT.	A	AMPLIFIER IS RECTIFIED CURRENT IS AMPLIFIED US OUTPUT OF AMPLIFIER OPE RELAY WHICH REPEATS SIG SIRED TYPE DC TELEGRAPI	& RESULATANT DC SING A PENTODE. FRATES A RECEIVING SNALS INTO ITE DE H SIGNALS. INPUT	NG : -	MARK CHANGE CHANNEL CW-50229	NEL TERMINAL 1-1445 CYCLES): EXCEPT IT OPERA	
SPACE CHANNEL TERMINAL SINGLE STAGE AMPLIFIER USING PENTODE VA- CUUM TUBE WITH MAX. GAIN OF 35 db SUB- STANTIALLY FLAT OVER VOICE FREO. RANGE. HAPUT A OUTPUT IMPEDANCES 600 OHMS. SI- MILAR TO TYPE -50225-A AMPLIFIER EXCEPT THE TEST & MONITORING JACKS ARE OMITTED 1/18/45 J86535F-1 HAR. 45 LISTS 1 & MA OR. ISS 12  CW-50226 AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  BRANCH. OUTPUT OF AMPLIFIER IS RECTIFIED OPERATES A BECEIVING RELAY WHICH RE- PEATS SIGNALS INTO THE DESIRED TYPE DC TELEGRAPH SIGNALS. INPUT 24V DC FILA- MENT. 150V DC PLATE AND \$150V TELEGRAPH OF SUPPLY.  ASSIGNED  SPACE CHANNEL TERMINAL (CHANNEL 1 TERMINAL (CHANNEL 1 TO PERATES ON A QUENCY OF 1615 CYCLES): SAME A CW-50230 EXCEPT IT OPERATES ON A TWO STAGE CHANNEL TERMINAL (CHANNEL 4-1615 CYCLES): SAME A TWO STAGE CHANNEL TERMINAL (CHANNEL 4-1615 CYCLES): SAME A TWO STAGE CHANNEL TERMINAL (CHANNEL 4-1615 CYCLES): SAME A TWO STAGE CHANNEL TERMINAL (CHANNEL 4-1615 CYCLES): SAME A TWO STAGE CHANNEL TERMINAL (CHANNEL 4-1615 CYCLES): SAME A TWO STAGE A-C AMPLIFIER IN THE SENDING INFO HADD  OF SUPPLY.  SPACE CHANNEL TERMINAL (CHANNEL 1-50 CYCLES): SAME A CW-50230 EXCEPT IT OPERATES ON A TWO STAGE A-C AMPLIFIER IN THE SENDING INFO HADD  OF SUPPLY SPACE  OMOD. BY H-327-100, LIST SON A THOS STAGE A-C AMPLIFIER IN THE SENDING INFO HADD  OF SUPPLY SPACE  ON 5029 EXCEPT IT OPERATES ON A TO STAGE CHANNEL TERMINAL (CHANNEL 1-5015 CYCLES.  ON 5029 EXCEPT IT OPERATES ON A TO STAGE CHANNEL TERMINAL (CHANNEL 1-5015 CYCLES.								1/19/45	J700478-1 LISTS	J700478-1
1/18/45 J700478-1 LISTS J700478-1  CW-50226  AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  BRANCH. OUTPUT OF AMPLIFIER IS RECTIFIED OPERATES A RECEIVING RELAY WHICH RE- PEATS SIGNALS INTO THE DESIRED TYPE DC TELEGRAPH SIGNALS. INPUT 24V DC FILA- MENT. 150V DC PLATE AND ±150V TELEGRAPH DC SUPPLY.  ASSIGNED  1/18/45 J700478-1 LISTS J700478  WAR. 45 1,12,22 & CO ISS 14  CW-50238 UP MARK CHANNEL TERMINAL (CHANNEL 5-1735 CYCLES): SAME A CW-50239 UP MARK CHANNEL 5-1735 CYCLES): SAME A CW-50239 UP MARK CHANNEL 5-1735 CYCLES): SAME A OPERATES A RECEIVING RELAY WHICH RE- PEATS SIGNALS INTO THE DESIRED TYPE DC TELEGRAPH SIGNALS. INPUT 24V DC FILA- MENT. 150V DC PLATE AND ±150V TELEGRAPH DC SUPPLY.  ASSIGNED  ASSIGNED  ASSIGNED	MONITOR AMPL SINGLE STAGE CUUM TUBE WI STANTIALLY F INPUT & OUTF MILAR TO TYP	IFIER AMPLIFIER US TH MAX. GAIN LAT OVER VOIC PUT IMPEDANCES PE -50225-A AM	OF 35 db SUB- E FREQ. RANGE: 600 OHMS. SI PLIFIER EXCEP	T	SPACE CHANNEL TERMINAL (CHANNEL 1-595 CYCLES) ING & RECEIVING CHANNEL CHANNEL 1-595 CYCLES. ULATING CIRCUIT IN THE TWO STAGE A-C AMPLIFIE	: SPACING, SEND- L TERMINAL FOR CONSISTS OF A MOI SEMDING END AND R IN RECEIVING	- D - A	SPACE CHA (CHANNEL CW-50230 QUENCY OF	NNEL TERMINAL 4-1615 CYCLES) EXCEPT 17 OPERA 1615 CYCLES.	ATES ON A FR
AND THE AMPLIFIER IS ARRANGED TO OPERATE ON 24 VOLT AND 130 VOLTS DC.  BRANCH. OUTPUT OF AMPLIFIER IS RECTIFIED AND RESULTANT DC CURRENT IS AMPLIFIED OPERATES A RECEIVING RELAY WHICH RE- PEATS SIGNALS INTO THE DESIRED TYPE DC TELEGRAPH SIGNALS. INPUT 24V DC FILA- MENT. 150V DC PLATE AND ±150V TELEGRAPH OC SUPPLY.  ASSIGNED  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 11 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 12 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 12 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 12 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 12 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 12 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AMPLIFIED CH-50229 EXCEPT 12 OPERATES ON A QUENCY OF 1785 CYCLES.  BRANCH. OUTPUT OF AM	1/18/45 J68	8635F-I	J68635F-1	υ	1/18/45 J700478-1 LIS	TS J700478-1		1/19/45	J700478-1 LIST	J700473-1
ASSIGNED MAR. 45 1.2.15.22 & CO ISS 14			NGED TO OPERA	TE	AND RESULTANT DC CURRE USING A PENTODE. OUTPU OPERATES A RECEIVING PEATS SIGNALS INTO THE TELEGRAPH SIGNALS. INP MENT, 130V DC PLATE AN	IFIER IS RECTIFI NT IS AMPLIFIED T OF AMPLIFIER RELAY WHICH RE- DESIRED TYPE DC UT 24V DC FILA-	E D	MARK CHAN (CHANNEL CN-50229 QUENCY OF	NEL TERMINAL 5-1785 CYCLES): EXCEPT IT OPERA 1785 CYCLES. H-327-100. L#ST	ATES ON A FR
DATE MANUFACTURER'S MANUFACTURER'S DATE MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S MANUFACTURER'S				ASSIGNED ISSUED	DC SUPPLY.				1,2,13,22 & CO	

NAVY TYPE DESIGNATION FIRST ASSIGNED FOR NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION FIRST ASSIGNED FOR NAVY DRAWING OR SPECIFICATION	NAVY TYPE FIRST ASSIGNED FOR ON SPECIFICATION
CH-50239 UP SPACE CHANNEL TERMINAL (CHANNEL 5-1955 CYCLES): SAME AS TYPE CH-50230 EXCEPT IT OPERATES ON A FRE- QUENCY OF 1955 CYCLES.  OMOD. BY H-327-100, LIST 4 1/19/45 J700478-1 LISTS J700478-1 HAR. 45 1,14,22 & CO ISS 14	CW- 50245  FIER GAIN MAY BE ADJUSTED IN 2 db  SIEPS: HAS FREQ. RANGE FROM 30 TO  10,000 CYCLES. MOUNTED ON DEPRESSED TYPE  STEEL PANEL WITH FRONT MAT & IS ARRANGED  FOR MOUNTING ON A 19" RELAY RACK.	CM-50250 FOR USE WITH UNFOUR BIRE TERMINATING AND SIGNALING BAY: CONSISTS OF THE FOLLOWING NAME TYPES (1) CM-20387 RECTIFIER POWER UNIT, (4) CM-23886 SIGNALING APFLYING UNIT (20 CYCLE), (4) CM-35080 RINGER OSCILLATORS, (1) CM-35090 RINGING SUPPLY UNIT, (2) CM-50249 FOUR WIRE TER-376745 X-66016Y MAR. 45
CN-50240 UP  MARK CHANNEL TERMINAL  (CHANNEL 6-2125 CYCLES):  SAME AS TYPE CN-50229 EXCEPT IT OPERATES  ON A FREQUENCY OF 2125 CYCLES.  \$\Phi\$700478-1, LISTS 1,2,15,22&C MOD BY  H-527-10C, LIST 5  1/19/45 \$\Phi\$SEE ABOVE \$\Pi\$700473-1  NAR. 45 ISSUE 14	CW-50246 TEF MODULATOR (1B) CONTAINS A BALANCED MODULATOR WHICH IRANSLATES AUDIO FREQUENCIES 125 KC TO A BAND OF 119 TO 124.9 KC. SAME AS NAVY TYPE -50218 EXCEPT FOR ONE TRANSFORMER WHICH ENABLES OPERATION ON 125.1 TO 131 KC. 2/2/45 MAR- 45	CH-50250  MINATING UNITS, MOUNTED IN A STEEL CABINET, WILL ACCOMMODATE (4) FOUR HIRE CIRCUITS TO (4) THO-MIRE TERMINATIONS, OPERATES FROM 110 TO 125/1/50 TO 60.
CW-50241 UP  SPACE CHANNEL TERMINAL (CHANNEL 6-2295 CYCLES): SAME AS TYPE CW-50230 EXCEPT IT OPERATES ON A FREQ. OF 2295 CYCLES.	CG-50247 UN DISCRIMINATOR UNIT CONTAINS 2 PARALLEL CIRCUITS, ONE TO AT- TENUATE THE LOCAL SIGNAL IN STEPS OF 10 db 12 db, 500 OHMS INPUT AND 50 OHMS OUTPUT; THE OTHER BRANCH IS A SIGNAL AMPLIFIER WITH A BIAS DRIVER STAGE TO PROVIDE ATTENUATION TO THE LOCAL SIGNAL. 2/7/45 DL4W579A MAR. 45	CFD- 50251 LX-1 MODULATOR: INPUT: 6.3/150V DC. 0.15/0.008 AMPS. 0.25 MEGOHMS AUDIO INPUT IMPEDANCE AND 12 VOLTS FOR EXT. MODULATION. OUTPUT: 0-75 VOLTS FOR 75% MODULATION. INT. MODULATION 1000 CPS±5%, EXT. MODULATION 100 CPS TO 20 KC. FREQUENCY RESPONSE: 3/22/45 APR. 45
CW-50242 UP CHANNEL SHIFTER CONSISTS OF COILS, FILTERS & COPPER CXIDE VARISTOR MOUNTED ON STEEL PANEL. USED IN CONNECTION WITH TYPE CW-35083 CHANNEL OSCILLATOR TO INVERT & SHIFT PART OF ENERGY FROM SENDING TERMINAL TO FREQ. RANGE FROM 2505 CYCLES TO 4845~. 1/19/45 J68314A-1 J-68314A-1 MAR. 45 LIST I ISSUE 4	CG-50247 THE GAIN OF THE AMPLIFIER FOR THE RE- MOTE SIGNAL IS 6 db ±2 db AT 1850 KC AND FROM 1700 TO 2000 KC. GAIN VARIATION DOES NOT EXCEED ±1 db WHEN TERMINATED IN A 150 OMM NON-REACTIVE LOAD. SUPPLY 115/1/55 TO 65. 1.2 AMPS 125 HATTS.	CFD- 50251 FLAT WITHIN ±1 DB OVER 200-10000 CPS; FLAT WITHIN ±3 DB OVER 100-20000 CPS.
CH-50243 UP CHANNEL RESTORER PANEL A STEEL PANEL EQUIPPED WITH COILS, CAPACITORS, RESISTORS AND VARISTORS. USED IN CONJUNCTION WITH TYPE CM-35084 CHANNEL OSCILLATOR TO RESTORE \$\frac{1}{2}\text{UERSITY} FREQUENCIES TO ARRANGE FROM 756 CYCLES TO 2805 CYCLES. 1/19/45 U686514C-1 HAR. 45 LIST 1	CRV- 50248 MAR MODULATOR-DYNAMOTOR UNIT INCLUDES MODULATOR WITH PROVISIONS FOR A MICROPHONE AND HEADSET OR FOR HEADSET ONLY, HAS TERMINATION FOR ONE MILE FIELD MIRE COMMUNICATION. HAS EQUIPMENT ON-OFF SWITCH. ALSO INCLUDES DYNAMOTOR FOR HIGH VOLTAGE SUPPLY OF TRANSMITTER, MODULATOR 2/20/45 CRV:M-439162 MAR. 45 REY 1	CKB- 50252 PR RE IJA1077A AMPLIFIER UNIT: ADDENOUM I INPUT COMSISTS OF THREE 50/250/500 OHM CHANMELS, OME 600 OHMS CHANMEL AND ONE 5000/500,000 OHM CHANMEL, POWER OUTPUT: 60 WATTS AT 1000 OPS. FREQUENCY RESPONSE ±3 db OVER FREQUENCY RANGE OF 50 TO 800 CYCLES, OUTPUT IMPEDANCE: 3/23/45 41.0A0A242-5 APR. 45
CN-50244 UP REGEHERATOR REPEATER SYNCHRONIZER UNIT: A STEEL PANEL EQUIPPED WITH CAPACITORS, KEYS, LAMPS, JACKS, POTENTIOMETERS, RELAYS, RESISTORS AND ONE VACUUM TUBE, APPARATUS & CON- TROLS ARE ON FRONT OF PANEL WITH ALL OF WIRING AT REAR, TERMINAL STRIPS ARE PRO- 1/19/45 X-666918-1 X-666918-1 HAR. 45 LIST 1 ISSUE 2	CRV- 50248 AND RECEIVER. INCLUDES COMPARTMENT FOR ACCESSORIES AND SPARES. SUBVERSION PROOF WITH CARRYING HANDLES ON SIDE.	CKB- 50252 50/30/15/3/4/2.5 OHMS. 5% MAXIMUM DISTORTION. MOUNTED IN A CASE. OPERATES FROM TYPE CKB-20403 RECTIFIER POWER UNIT.
CM-50244 VIDED FOR EXTERNAL CONNECTIONS.	CW-50249 CM-50250 FOUR WIRE TERMINATING UNIT THIS UNIT MOUNTS TWO SECTIONS, EACH OF WHICH IS USED TO CONNECT A FOUR WIRE RA- DIO OR LAND-LINE CIRCUIT TO A TWO-WIRE SWITCHBOARD OR STATION TERMINATION. EACH TRANSMITTING & RECEIVING LINE INCLUDES A WESTERN ELECTRIC TYPE 89N(3db) PLUC-IN 3/6/45 J68732C-2 MAR. 45 LISTS 1 & 2	CW- 50253 AN/IPS-IB I.F. AMPLIFIER: BAND MICTH 60 MC TO 0.6 MC ±0.1 MC. POHER OUIPUT 4 VOLTS ACROSS 10.000 ONMS. NORMAL GAIN 90 db GAIN COUTROL RANGE 20 db TO 115 db. PLUC-IN TYPE WITH COILS RESISTORS, CAPACITORS AND EIGHT VACUUM TUBES WITH SHIELDS ASSEMBLED IN A METAL 3/29/45 8x-416400 BX-416400 APR. 45 ISS. 6
CM-50245 CCS & UP AUDIO PREDUENCY AMPLIFIER A TWO-STAGE AMPLIFIER WITH BUILT-IN POWER SUPPLY UNITS: MAY BE OPERATED FROM EXTERNAL PRAKE SUPPLY 105 TO 125/1/50 TO 60. HAS GAIN OF 45 db WHON CONNECTED TO A 500 OMM INPUT AND 20db WHEN OPERATED AS A HIGH (10,000 OMMS) BRIDGING AMPLI- 1/19/45 D-152801 NAR-45	CH-50249	CHASSIS, TROPICALIZED.
ISSUED	ASSIGNEE ISSUED	
DATE MANUFACTURES MANUFACTURES	DATE MANUFACTURER'S MANUFACTURER'S	DATE MANUFACTURER'S MANUFACTURER'S

MAYY TYPE DESIGNATION FIRST ASSIGNED FOR DR SPECIFICATION	MAYY TYPE DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION
CRV- 50254 GEN. RADIO USE RE 13A9038 SPEECH INPUT EQUIPMENT: 1PPUT 110/1/50 OR 50. INPUT LEVEL: ZERO DD (0.006 WATT) FROM A 35 OHM CARBON MICROPHONE OR 200 OR 500 OHM AUDIO LINES. FREQUENCY RANGE: 500 TO 3500 CYCLES. NORMAL OUTPUT LEVEL: 1.6 WATTS INTO A 500 OHM LOAD. HAS AUTOMATIC GAIN CON- 3/30/45 MI-24750 CRV:W-131314 APR. 45 REV 3	CG-50259 TEH 16T13(RE) HIGH PONER AMPLIFIER FREQUENCY RAMGE: 1700-2000 KC. DUTPUT: 1000 KW. NOMINAL.  PART OF TYPE CG-52359 TRANSMITTER AS- SEMBLY 5/2/45 CG1#SK-62847-13- JUN. 45 107	CDE- 50265 YR  SPEECH INPUT AMPLIFIER CONSISTS OF A MICROPHONE MATCHING INPUT TRANSFORMER AND A THREE STAGE AMPLIFIER WITH AN OUTPUT TRANSFORMER FOR COUPLING TO A TELEPHONE LINE. ALSO COUNTAINS AN ATTENUATOR AND AN OUTPUT LEVEL METER. SELF-CONTAINED POWER SUPPLY; GETS POWER 5/12/45 JUN. 45
CRV- 50254 TROL. PROVIDES A SOURCE OF 12V DC POWER FOR OPERATION OF MICROPHONES, INDICATORS AND RELAYS, HOUSED IN AN ALUMINUM ALLOY CABINET EQUIPPED WITH TYPE CAU-51062 HANDSET.	CANY- 50260 DRD REIBATOTBA GONLOMETER & COUPLING UNIT CONTAINS CONNECTORS USED IN MAKING CON- NECTIONS TO ALL OTHER UNITS OF THE EQUIPMENT: A CONLOWETER SYSTEM; AND AMP- LIFIER & POWER SUPPLY FOR ENERSIZING AN OSCILLOSCOPE IN TYPE CANY-23505 REMOTE CONTROL UNIT. UNIT IS FED 115/1/400 BY 5/7/45 JUN. 45	CDE - 50265 SUPPLY FROM NAVY TYPE -23506 REMOTE CO TROL UNIT.
CG-50255 JT SERVO AMPLIFIER: CONTROLS THE FIELD OF -ZIACN MOTOR DYNA- MO AMPLIFIER UNIT. SUPPLY 115/1/60 AND OUTPUT OF SCT SYNCHROS. CONTAINS TMO 6L6 TUBES.  *T-8673954 REV 2 CRY:W-(31112 SUB 0 4/10/45 *SEE ABOVE APR. 45	CANY - 50260 ROTATING MACHINES, CONNECTION TO TYPE CANY - 46280 RADIO RECEIVER MADE BY MEANS OF CONNECTORS AT TOP OF UNIT & COUNECTIONS TO POWER SOURCE, ANTENNA SYSTEM AND TYPE CANY - 23505 BY AN CONNECTORS ON FRONT PANEL.	CTH- 50266 NXgr-47382 AUDIO AMPLIFIER INPUT: 110 TO 120V, 1 PHASE, 50 TO 60 CYCLES, 105 WATTS, OUTPUT: 10 WATTS UN DISTORTED OR +32.2 db. HAS ONE MEDIUM LEVEL INPUT CIRCUIT FOR HIGH INPEDANCE CRYSTAL OR MAGNETIC PHONO PICKUP, 82 d GAIN, MEASUREMENTS BASED ON 100,000 OH 5/19/45 T-31W10 JUN. 45
CW-50256 QOA  DRIVER AMPLIFIER UNIT A SINGLE STAGE, CLASS ABZ AMPLIFIER USING SIX 807 TUBES IN PARALLEL PUSH-PULL HAVING APPROXIMATELY 150 WAITS OUTPUT, COMPONENTS MOUNTED ON A HINGED PANEL AND FRANEWORK MHICH IS MOUNTED IN TYPE CW- 10534 TRANSWITTER-RECEIVER CASINET. 4/28/45 D-171069 B-158005 MAY 45 ISSUE 1	CAY- 50261 TBM-13  MODULATOR UNIT SUPPLY: 115V QC. 230V DC. 220/3/60 OR 440/3/60. SAME AS NAVY TYPE -50065-8 EX- CEPT USES JAN GRADE 1. CLASS 1 RESISTORS AND WHEREVER POSSIBLE JAN COMPONENTS USING STANDARD VALUES. ALSO HAS SMOOTH GRAY FINISH. 5/8/45 JUN. 45	CTH- 50266 INPUT IMPEDANCE. OUTPUT IMPEDANCES AVAILABLE AT 6. 8. 16. 250 OR 500 OHMS FREQUENCY RESPONSE WITHIN ± 1 db FROM TO 15.000 C:P:S. 14" LONG, 7 7/8" HIG
CW-50256 HINGED FRONT PANEL IS ARRANGED MITH AN A-C DISCONNECT SWITCH AND A REMOTE GUARD LAMP SWITCH. PART OF TYPE CW-43068 TRANSKITTER-RECEIVER ASSEMBLY.	CM- 50262 GEN. RADAR USE 16A19(RE) DC SYNCHRO AMPLIFIER MIXES SYNCHRO SIGNALS IN STANDARD SERVO SYNCHRO SYSTEM FOR USE WITH RADAR EQUIP- MENT. CONSISTS OF A 11572/60 SERVO MOTOR, TWO SCT SYNCHROS AT 1-36 SPEED AND A SERVO AMPLIFIER FOR INPUT AND A 6DG SYNCHRO AT 1 SPEED FOR DUTPUT. SAME 5/8/45 JUN. 45	CUZ- 50267 NXgr-91905 16A16(RE) NOILE PEAK LIMITER LIMITS PEAKS OF NOISE GREATER THAN SIG NAL BY RENDERING RECEIVER INOPERATIVE DURING PEAKS, PLUGS INTO SOCKET OF SE OND DETECTOR OF THE BC-639A RATY RECE! ING EQUIPMENT. INCLUDES A 6H6 NOISE LI MITER DIODE AND A TOGGLE SWITCH TO DIS 5/28/45 NII CUZ:NPL-I JUN. 45 ALT 0
CW-50257 QDA TILI CONTROL AMPLIFIER UNIT UNIT IS USED TO PROVIDE POWER TO DRIVE A 0.5 HP LOW INERTIA MOTOR ON THE TYPE 78249 HOIST TILIT MECHANISM WHICH MAIN- TAINS PROJECTOR AT THE ANGLE DETERMINED BY THE COMPUTER. PROVIDES EXCITATION VOLTAGES FOR CERTAIN SYNCHRO GENERATORS 4/28/45 D-171077 HAY 45	CM-50262 AS -50202 EXCEPT 70G SYNCHRO REMOVED AND GDG SYNCHRO CAPACITOR ADDED.	CUZ-50267 CONNECT NOISE PEAK LIMITER FROM RECEIV
CW- 50257 IN THE COMPUTER AND MISCELLANEOUS VOLTAGES FOR THE TYPE CW-55183 RECORDER AND CONTROL CONSOLE.	CDE- 50263 YR DRIVER AMPLIFIER INCLUDES A CONSTANT OUTPUT AMPLIFIER, A COMPRESSION METER, A SPEECH ATTENUATOR, AND A MASTER ATTENUATOR. THE UNIT PRO- VIDES THE NECESSARY DRIVING POWER FOR THE 849 MODULATOR TURES.	
	JUN. 45	
CG-50258 TEH 16T13(RE) LOW POWER AMPLIFIER INPUT: 23071/50 OR 60. 5 KVA. FREQUENCY RANGE 1700 KC TO 2000 KC. HAS BUILT IN POWER SUPPLY. OUTPUT: 150 KW-NOMINAL	CDE- 50264 YR POWER AND CONTROL ASSEMBLY CONSISTS OF ONE EACH OF THE FOLLOWING NAVY TYPES: -20428, -20429, -20430, -29551, -35100, -50263.	
PEAK. PART OF TYPE CG-52359 TRAHSMITTER AS- SEMBLY 5/2/45	5/1 2/45 JUN. 45	IP.
ISSUED		

MANUFACTURER'S MANUFACTURER

DATE

MANUFACTURER'S

STATUT SAINTEN

Manifesthish's branking trutter

DATE