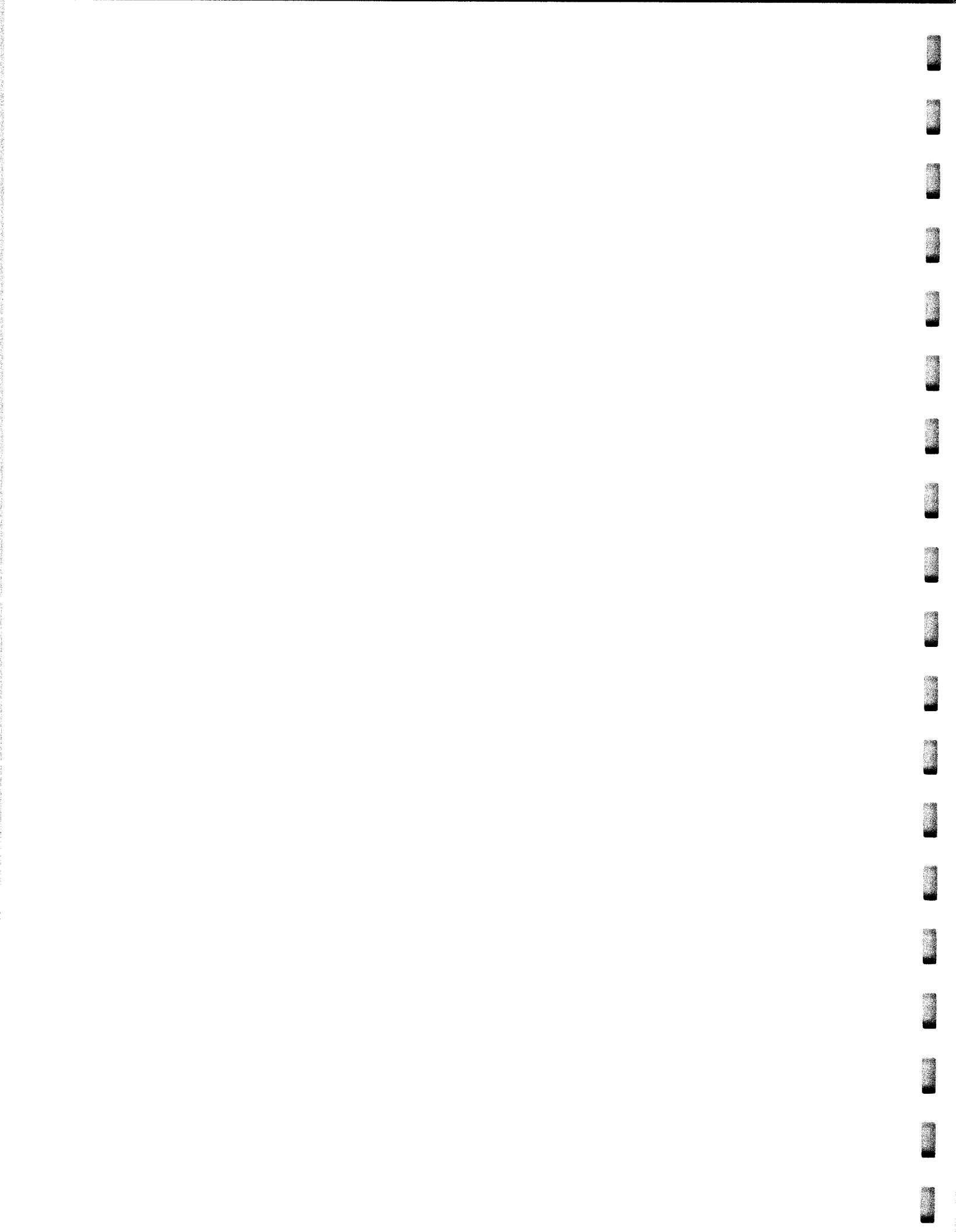


Section V. LIST OF NAVY TYPE NUMBERS FOR
RADAR AND SPECIAL EQUIPMENT

NAVSHIPS 900,109

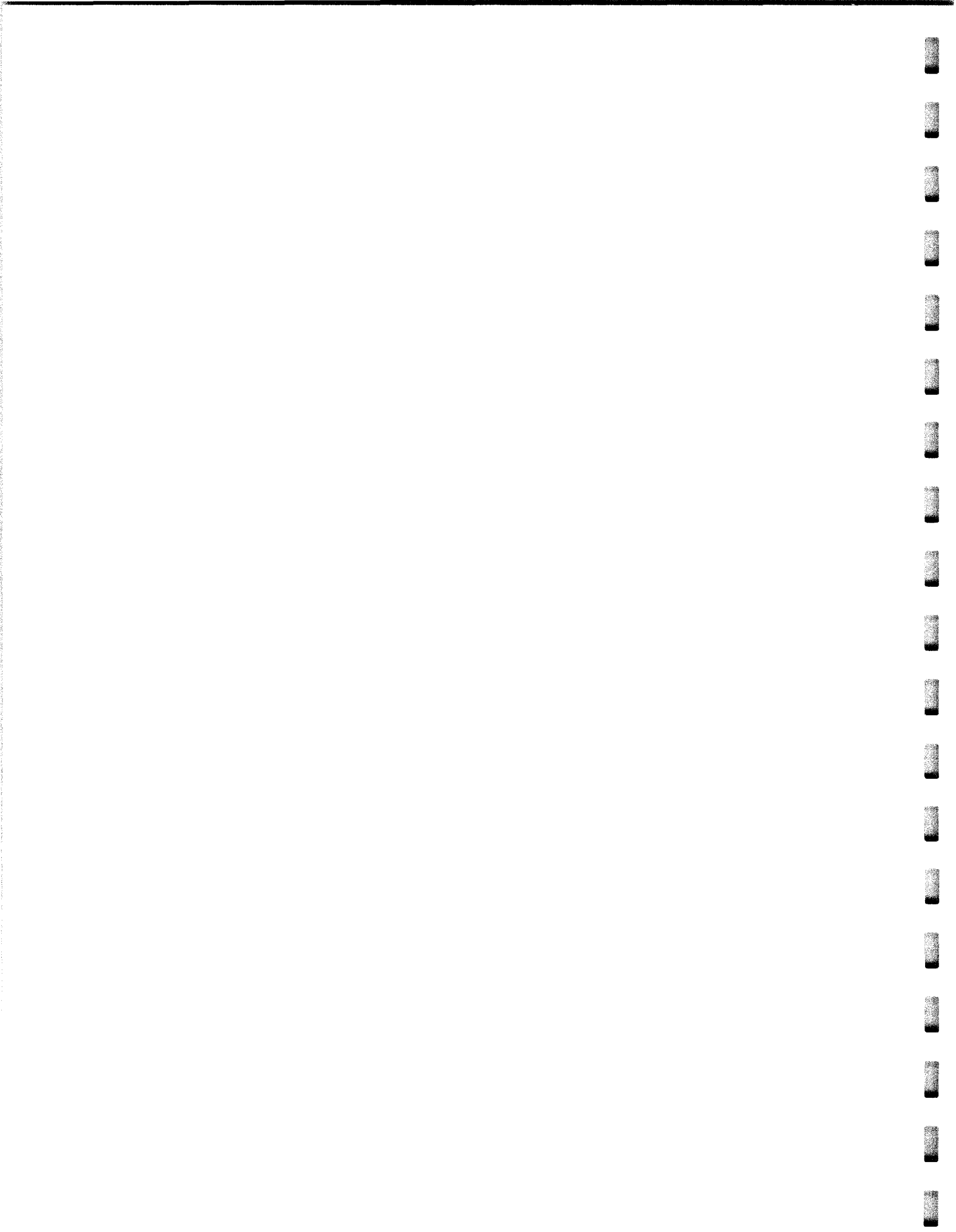


Class 10—Miscellaneous

CLASS 10

CONFIDENTIAL

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
CPR-10AAA ASC RECEIVER MOUNTING BASE:			CS-10AAH AIA RADAR TRANSMITTER MOUNTING BASE: HAS PROVISIONS FOR UP TO 8 SHOCK MOUNTS.			CM-10AAP ASC MOUNTING BASE FOR MODULATION GENERATOR: PROVIDES SHOCKPROOF MOUNT FOR TYPE CM-35AAK MODULATION GENERATOR.		
2/7/42 CIVIL AIR TYPE ATR 5-LD-190 MAR. 44 CPR:358-1998			5/7/42 R-5657294 R-657030-B MAR. 44			6/6/42 D-150708 ESR-684122 MAR. 44		
CPD-10XAB SD-1 DEHYDRATING UNIT CONSISTS OF A WATER CONDENSATION COIL, A WATER TRAP, A DEHYDRATING CYLINDER AND A HUMIDITY INDICATOR. AIR PASSES FIRST THROUGH CONDENSER, THEN THROUGH WATER TRAP AND FINALLY THROUGH DEHYDRATOR CHAMBER WHICH REMOVES REMAINING MOISTURE 3/25/42 2010 H-422727 MAR. 44			CPD-10AAJ *SEE PLATE 2 DEHYDRATING UNIT - 115/1/60 CONSISTS OF A CORNELIUS 1800 CU IN/ MIN- ROTARY COMPRESSOR, AND SILICA-GEL DEHYDRATOR. INITIAL DEW POINT LESS THAN -60°F. AFTER 3 HOURS OPERATION DEW POINT. 5/8/42 2001-R *SEE PLATE 2 MAR. 44			CM-10AAQ ASC-1 MOUNTING BASE FOR PLAN RE- PEATER INDICATOR PREAMPLIFIER: PRO- VIDES SHOCKPROOF MOUNT FOR TYPE CM-50ABQ PLAN REPEATER INDICATOR PREAMPLIFIER. CONSISTS OF A FLAT METAL PLATE AT THE CORNERS OF WHICH ARE MOUNTED FOUR SNAP SLIDES. 6/6/42 D-150864 ESXX-693574 MAR. 44		
CPD-10ARB BY ACTION OF WHITE SILICA GEL, NO DRIV- ING MOTOR OPERATES ON COMPRESSED AIR.			CPD-10AAJ NOT LESS THAN -12°F. AUTOMATIC OPERATION. FOR OPERATION FROM 115/1/60, 2.4 AMP. 150 WATTS OTHERWISE SAME AS CPP-10AAY. *FOR USE WITH SA, SA-1, SC-2, SD-3 ETC. *CG-M-7467071, REV 1, K-7880990, REV 2 *CRV-P-720990 SUB 4			CG-10AAR ASC MOUNTING BASE FOR CONTROL AMPLIFIER: PROVIDES MOUNTING FOR CM- 50AAX CONTROL AMPLIFIER UNIT. SNAP SLIDES. 6/6/42 P-4C232 P-4C252 MAR. 44		
CRY-10AAC SD-1 ANTENNA PEDESTAL USED TO SUPPORT ANTENNA AND ALSO TO HOUSE ANTENNA MATCHING NETWORK. UNIT IS WATER TIGHT AND GAS TIGHT. 3/25/42 MI-18032 CRY-P-721401 JUN. 44			CPD-10AAK MARK 6 RADAR AIR COMPRESSOR ASSEMBLY FOR FORCING DRY AIR INTO THE R.F. TRANS- MISSION LINE. MOTOR INPUT 117/1/60, 2 AMP. 7/11/42 MAR. 44			CM-10AAT ASC PRESSURE TANK: INCLUDES END PLATES 6/10/42 D-150510 ESXX-687483 MAR. 44		
CRY-10AAD SA ANTENNA PEDESTAL 4/15/42 MAR. 42			CM-10AAL ASC MOUNTING BASE FOR REGULATED RECTIFIER: PROVIDES SHOCKPROOF MOUNT FOR TYPE CM-20ABQ REGULATED RECTIFIER POWER UNIT. SNAP SLIDES. 6/6/42 D-150712 ESR:684121 MAR. 44			CM-10AAB ASC MOUNTING BASE FOR PLAN INDI- CATOR: PROVIDES SHOCKPROOF MOUNT FOR TYPE CM-55ABV PLAN INDICATOR. 6/10/44 D-150710 ESX-684137 MAR. 44		
CRY-10AAE SA-1 ANTENNA PEDESTAL 4/15/42 MAR. 44			CM-10AAM ASC MOUNTING BASE FOR MOTOR ALTERNATOR: PROVIDES MOUNT FOR TYPE CM-21ABV MOTOR ALTERNATOR MOTOR UNIT. SNAP SLIDES. 6/6/42 D-150771 ESO-687712 MAR. 44			CPD-10AAV *SEE BELOW DEHYDRATING UNIT 115V DC: CONSISTS OF A CORNELIUS 1800 CU IN/ MIN ROTARY COMPRESSOR, AND SILICA-GEL DE- HYDRATOR INITIAL DEWPOINT NOT LESS THAN -60°F. AFTER 3 HOURS OPERATION DEWPOINT NOT LESS THAN -12°F. AUTOMATIC OPERATION. *FOR USE WITH SC-2 6/8/42 2001 CG:M-7467071 REV 1 MAR. 44 K-7880990 REV 2		
CS-10AAF AIA RADAR RECEIVER MOUNTING BASE TO MOUNT RECEIVER ABOVE INDICATOR AMPLI- FIER. HAS CANNON CONNECTORS IN REAR WHICH MESH WITH CANNON CONNECTORS ON RECEIVER CHASSIS. 5/7/42 R-5657077 MAR. 44			CM-10AAN ASC MOUNTING BASE FOR MOTOR DYNAMO AMPLIFIER: PROVIDES MOUNT FOR TYPE CM-21ABW MOTOR-DYNAMO AMPLIFIER UNIT. SNAP SLIDES. 6/6/42 D-150803 ESO-687828 MAR. 44			CPD-10AAW FOR OPERATION FROM 115V, 1.8 AMP DC, 150 WATTS, OTHERWISE THE SAME AS CPD-10AAJ. CPD-10AAW CANCELLED 8/6/42		
CS-10AAG AIA INDICATOR AMPLIFIER MOUNTING BASE: TO MOUNT INDICATOR AMPLIFIER UNDER RECEIVER, HAS CANNON CONNECTORS IN REAR WHICH MESH WITH CANNON CONNECTORS ON INDICATOR CHASSIS. 5/7/42 R-5657078 MAR. 44			CM-10AAO ASC MOUNTING BASE FOR POWER CONTROL UNIT: PROVIDES SHOCKPROOF MOUNTING FOR TYPE CM-25ACK CONTROL UNIT. 6/6/42 D-150804 ESO-687827 MAR. 44					

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Class 10—Miscellaneous

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-10AAX ASD MOUNTING BASE FOR AIRCRAFT RADAR RECEIVER AND INDICATOR AMPLIFIER: DUAL SHOCK MOUNT. HAS TWO CANNON CONNECTORS AND A HIGH VOLTAGE CONNECTOR WHICH MESH WITH MATING PARTS ON RECEIVER AND INDICATOR.	7/14/42	R-657003	R-657022-B	8/28/42	347-1002 SUB A	CGK-10ABW CRCL	11/16/42	
	MAR. 44			MAR. 44			MAR. 44	ITEM 5
CG-10RAY LZ ANTENNA TRIPOD PROVIDES A MOUNTING FOR THE TYPE CW- 66ACX ANTENNA ASSEMBLY SO THAT THE DI- POLE CAN BE SET AT ANY HEIGHT BETWEEN THE LIMITS OF APPROXIMATELY 6 AND 12 FEET ABOVE GROUND LEVEL.	8/9/42	ES-690145-2		8/28/42	5L0-182	CGK-10AB0 CCCR	11/15/42	
	MAR. 44			MAR. 44			MAR. 44	ITEM 11
CG-10AAZ ASC-1 MOUNTING BASE FOR CONTROL AMPLIFIER: PROVIDES MOUNTING FOR TYPE CG-50ABP CONTROL AMPLIFIER. SNAP SLIDES. CONSISTS OF TWO IDENTICAL ALUMINUM STRIPS SIMILAR TO CG-10AAR BUT IS OF SMALLER SIZE.	8/12/42			10/27/42		CGK-10ABP CCCR	11/15/42	
	MAR. 44			MAR. 44			MAR. 44	ITEM 21
CG-10ABA ASC-1 MOUNTING BASE FOR PLAN INDICATOR: PROVIDES MOUNTING FOR TYPE CW-55ACH PLAN INDICATOR. SAME AS CW-10AAU BUT HOLDS EQUIPMENT AT 35° IN- STEAD OF 45°.	8/12/42			10/27/42		CGV-10ABQ CCCR	11/15/42	
	MAR. 44			MAR. 44			MAR. 44	ITEM 11
CPR-10ABB ASC MOUNTING BASE FOR TRANSMITTER, ANTENNA AND CONVERTER: PROVIDES MOUNTING FOR TYPE CPR-43ABB AIRCRAFT RADAR TRANSMITTER, ANTENNA AND CONVERTER.	8/13/42			11/16/42		CGK-10ABR CCCR	11/15/42	
	MAR. 44			MAR. 44			MAR. 44	ITEM 21
CPR-10ABC ASC-1 MOUNTING BASE FOR TRANS- MITTER-CONVERTER: PROVIDES MOUNT- ING FOR TYPE CPR-43ABC AIRCRAFT RADAR TRANSMITTER-CONVERTER.	8/13/42			11/16/42		CGK-10ABS CCCR	11/15/42	
	MAR. 44			MAR. 44			MAR. 44	ITEM 21
CG-10ABD BA WATERPROOF HOUSING MOUNTS TO MAST BY ATTACHING TO A MOUNT- ING SHELF PROVIDED BY NAVY. WILL HOUSE A TYPE CG-43AAG RADIO RECEIVER-TRANSMITTER ON A SHOCK-PROOF MOUNTING BASE. INCLUDES AN AIR CIRCULATING FAN FOR CONNECTION COOLING AND A FILAMENT TRANSFORMER FOR 8/17/42 T6709458 SK-5702080-51 MAR. 44 SK-5702080-52	8/17/42	T6709458	SK-5702080-51 SK-5702080-52	11/16/42		CGV-10ABT CCCR	11/15/42	
	MAR. 44			MAR. 44			MAR. 44	ITEM 49
CPR10ABB THE 316A TUBE FILAMENT, BOTH OF WHICH OPERATE FROM 115/1/60; SUN SHIELD; TER- MINAL BOARDS; WATERTIGHT BUSHINGS FOR INPUT CABLE AND ANTENNA CABLES. TRANSF. SECONDARY: 8.5/1/60 AT 1.3 AMPS.				11/16/42		CGV-10ABU CCCR	11/15/42	
				MAR. 44			MAR. 44	ITEM 61

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
			11/16/42 MAR. 44				11/16/42 MAR. 44			

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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
CGV-10ABV	CXCN		CTG-10ACD	CXCP		CTG-10ACE	CXCO	
	(ITEM 6)			(ITEM 3)				
11/15/42 MAR. 44			11/15/42 MAR. 44			2/2/43 MAR. 44		
CMB-10ABW	CXCN		CRY-10ACE	MARK 11		CTG-10ACL	CXCO	
	(ITEM 7)		RADAR TRANSMITTER AND CONVERTER HOUSING CONSISTS OF A RUBBER GASKETED STEEL BOX AND COVER, WITHIN WHICH ARE MOUNTED A BLOWER AND THREE FILAMENT TRANSFORMERS. ON FRONT OF BOX IS MOUNTED A PARABOLIC REFLECTOR. ARRANGED INTERNALLY TO ACCOMMODATE ONE CRY-52ABS OR CRY-52ABT					
11/15/42 MAR. 44			11/28/42 MAR. 44	CRY-MI-18070	CG:4GP3A1	2/2/43 MAR. 44		*SEE PLATE 2.
CTG-10ABX	CXCO			CRY-10ACE		CTG-10ACH	CXCP	
	(ITEM 1)		RADAR TRANSMITTER AND ONE CG-46ABM RF TO RF CONVERTER.					
11/15/42 MAR. 44			*CRY:T-620938-1.SUB 0,CG:T-7662536.SUB			2/2/43 MAR. 44		
CTG-10ABY	CXCO		CYT-10ACF	DAJ-1		CTG-10ACN	CXCP	
	(ITEM 2)		CARRYING CASE WOODEN CASE. 12 1/8 X 12 1/8 X 12 3/16.					
11/15/42 MAR. 44			12/4/42 MAR. 44			2/2/43 MAR. 44		
CTG-10ABZ	CXCO		CVE-10ACG	SB		CTG-10ACB	CXCN	
	(ITEM 3)		ANTENNA TRIPOD COLLAPSIBLE. INCLUDES HANOWHEEL FOR ROTATING ANTENNA ASSEMBLY AND AN AZIMUTH SCALE. INCLUDES CANVAS HOUSING.					
11/15/42 MAR. 44			12/8/42 MAR. 44		EE99 3/31/43	2/2/43 MAR. 44		
CTG-10ACA	CXCO		CRY-10ACH	SA-2		CTG-10ACP	CXCN	
	(ITEM 4)		ANTENNA PEDESTAL SIMILAR TO TYPES -10AAD & -10AAE EXCEPT (SEE TM FILES)					
11/15/42 MAR. 44			1/22/43 MAR. 44	MI-18005-A	T-621106 SUB 0	2/2/43 MAR. 44		
CTG-10ACB	CXCP		CPR-10ACJ	ASG-3		CTG-10ACQ	CXCN	
	(ITEM 1)		MOUNTING BASE FOR TRANSMITTER-CONVERTER IDENTICAL TO -10ABC EXCEPT FOR MINOR ALTERATION WHICH PERMIT MOUNTING OF A 7/8" RF LINE. NOT INTERCHANGEABLE WITH -10ABC. -10ABC IS NOT INTERCHANGEABLE WITH THIS. THIS BASE ALSO MOUNTS A SECTION OF 7/8" 50 OHM LINE WHICH IS USED TO CONNECT THE					
11/15/42 MAR. 44			1/23/43 MAR. 44			2/2/43 MAR. 44		
CTG-10ACC	CXCP			CPR-10ACJ		CTG-10ACR	CXCN	
	(ITEM 2)		TRANSMITTER TO THE ANTENNA ASSEMBLY. PART OF -43ABP.					
11/15/42 MAR. 44						2/2/43 MAR. 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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Class 10—Miscellaneous

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		
CGC- 10ACS		CXCI	CDK- 10ADA		CXCL	CDK- 10ADJ		CXCZ		
		CANCELLED								
2/2/43 MAR. 44			2/2/43 MAR. 44			2/2/43 MAR. 44				
CDK- 10ACT		CDCH	CDK- 10ADB		CXCL	CDK- 10ADK		CXCZ		
2/2/43 MAR. 44			2/2/43 MAR. 44			2/2/43 MAR. 44				
CDK- 10ACD		CXCH	CDK- 10ADC		CXCL	CGC- 10ADL		CXCZ		
2/2/43 MAR. 44			2/2/43 MAR. 44			2/2/43 MAR. 44				
CDK- 10ACE		CXCH	CDK- 10ADD		CXCL	CDK- 10ADN		CXDA		
								CANCELLED		
2/2/43 MAR. 44			2/2/43 MAR. 44			2/2/43 MAR. 44				
CDK- 10ACM		CXCH	CDK- 10ADE		CXCL	CDK- 10ADR		CXDA		
								CANCELLED		
2/2/43 MAR. 44			2/2/43 MAR. 44			2/2/43 MAR. 44				
CDK- 10ACX		CXCL	CDK- 10ADF		CXCL	CDK- 10ADG		CXDB		
								CANCELLED		
2/2/43 MAR. 44			2/2/43 MAR. 44			2/2/43 MAR. 44				
CDK 10ACT		CXCL	CDK- 10ADG		CXCL	CDK- 10ADP		CXDC		
2/2/43 MAR. 44			2/2/43 MAR. 44			2/2/43 MAR. 44				
CDK- 10ACC		CXCL	CDK- 10ADH		CXCZ	CDK- 10ADQ		CXDB		
								CANCELLED		
2/2/43 MAR. 44			2/2/43 MAR. 44			2/2/43 MAR. 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

Class 10—Miscellaneous

5.10-5

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
CGV- 10ADZ CXCH			RE- 10ADZ XBL			CGJ- 10AEN ASD-NYA		
2/2/43 MAR. 44			2/2/43 MAR. 44			BALANCING MACHINE FOR MEASURING AND LOCATING DYNAMIC AND/OR STATIC UNBALANCE IN THE YOKE OR DISH OF THE ATA SCANNER. CONSISTS OF (1) BASE (2) VIBRATORY CRADLE (3) HEADSTOCKS (4) DRIVING POWER & SOURCE (5) TWO PHASE GENERATOR (6) METERING UNITS AND PICKUPS. 4/5/43 MAR. 44		
-10ADZ CXCH			RM- 10AEA XBL			CAGQ- 10AEJ FOR USE WITH ABK SERIES SUPPRESSOR ADAPTER UNIT USED TO MODIFY SUPPRESSOR CIRCUIT IN ABK SERIES EQUIPMENT TO IMPROVE IT'S OPERATION. SUPPLY 12 OR 24 VDC. 7/17/43 MAR. 44		
2/2/43 MAR. 44			2/2/43 MAR. 44			-10AEK SR AUTO-DEHYDRATOR		
CBN- 10ADT CXCH			RE- 10AEB XBL					
2/2/43 MAR. 44			2/2/43 MAR. 44			1/13/44 DL-7502869-G1 CAY:P-7713144 APR. 45 SUB 3		
CGV- 10ABW CXDE			- 10AEC FOR USE WITH CXCO			-10AEL GEN. RADAR RE-441A USE DECAY BALLOON KIT CONSISTS OF (3) STREAMERS 13FT. LONG OF NAVY TYPE -10321 FOIL ASSEMBLY A 30 GRAM BALLOON. APPROX 100 FT. STRING, EYELETS AND WOOD BLOCK (SEA ANCHOR) 2/10/44 MAR. 44		
2/2/43 MAR. 44			2/2/43 MAR. 44			CG- 10AEN ACCESSORY FOR MK 22 TEST ACCESSORIES KIT: METAL BOX WITH HINGED COVER AND COMPARTMENTS FOR STOWING PATCH CORDS, COAXIAL CABLES WITH VARIOUS CONNECTORS, TEST CORDS, A GAUGE, THERMOMETER AND OTHER TOOLS FOR USE WITH THE -60ACP TEST METER 2/11/44 D-151715 BR-15991 MAR. 44 ISSUE 1		
CGV- 10ADV CXDP			CG- 10AED SR HEIGHT COMPUTER ASSEMBLY INCLUDES ONE TYPE-10AAE MECHANICAL HEIGHT COMPUTER, AND ONE TYPE -50ACG CONVERSION UNIT. 5/29/43 M-8640061 CG:T-8253922 MAR. 44 REV 0			CG- 10AEE SR MECHANICAL HEIGHT COMPUTER (SEE TM FILES) 3/29/43 M-8640061 CG:T-8253922 MAR. 44		
2/2/43 MAR. 44			2/2/43 MAR. 44			CG- 10AEF SR STABLE ELEMENT AND DECK TILT CORRECTOR (SEE TM FILES) 3/29/43 CG:DLM-8640922 CG:T-8601301 MAR. 44 REV 0		
CBN- 10ADW CXDG			CGV- 10AEG CXCH FILM SPLICER			10AEM GEN RADAR USE DECAY BALLOON KIT CONSISTS OF (12) STREAMERS 13 FT LONG OF NAVY TYPE -10321. FOIL ASSEMBLY, A 350 GRAM BALLOON, 300 FT STRING, EYELETS AND WOOD BLOCK (SEA ANCHOR). (REPLACED BY -10AEM) 4/12/44 APR. 45		
2/2/43 MAR. 44			4/13/43 MAR. 44			CLU 10AEO HAS RE 13A952 TEST DUMMY LOAD NON-INDUCTIVE IMPEDANCE OF 50 OHMS OVER FREQUENCY RANGE OF 41 TO 51 MC. RATED 500 WATTS DISSIPATION.		
CGJ- 10ABE CXCG			4/26/44 OCT. 44					

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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
CMT 10AEP	SEE BELOW		CMD 10AEV	YJ-2				- 10AEZ
SECURITY INSULATOR & BARRIER ASSEMBLY: TO PROTECT LOWER PORTION OF SD ANTENNA IN CASE OF DAMAGE. BUILT TO WITHSTAND WATER PRESSURE OF 400 LBS/SQ. INCH. FOR USE WITH SD EQUIPMENTS HAVING *FOR USE WITH SD SERIES #X89-33775 4/27/44 CRY:MI-18179 CRY:T-617911 OCT. 44 SUB 0			ANTENNA MOUNT SUBMERSIBLE. CONSISTS OF JUNCTION CASTING WHICH SUPPORTS -66AJK HIGH FREQUENCY ANTENNA AND A STEEL ROD, 19 1/2" LONG; WHICH SUPPORTS A -66AFJ ANTENNA ASSEMBLY. PART OF -66AJL ANTENNA ASSEMBLY. 8/8/44 CHZ:SA-7429 CHZ:PM-7162 OCT. 44 CS-7100					
RETRACTABLE TYPE ANTENNAS. 7 3/4" DIA. 8 6/8" HIGH. CMT 10AEP			10AEV GEN RADAR USERE 16K4 (RE) DECOY BALLOON KIT CONSISTS 12 STREAMERS 13 FT. LONG OF NAVY TYPE -10J21 FOIL ASSEMBLY, A 350 GRAM BALLOON, 300 FT OF STRING, EYELETS, REEL & HELIUM TANK, ALL ENCASED IN A WOODEN BOX. SIMILAR TO -10AEN EXCEPT REEL IS USED AS SEA ANCHOR, HELIUM TANK HAS 8/21/44 CAFJ: APR. 45			CAPR-10AFA Tdy.TDY-1 ANTENNA PEDESTAL HOUSING CONTAINING MOTOR. ASSOCIATED GEARS, SELSYNS AND SYLSYN INDICATORS. 360° ROTATION AT 4 RPM APPROX. SPLASH PROOF. DRIVE MOTOR RATED 1/8 HP, 110/117 60, 36 RPM. 10/16/44 JAN. 45		
CNR 10AEQ SA-3 ANTENNA PEDESTAL INCLUDES 20, AC MOTOR CAPABLE OF ROTATING CONTINUOUSLY AT 5 RPM TO DRIVE ANTENNA PLUS THE NECESSARY SYNCHRO REPEAT UNITS. MOTOR IS GEARED TO ANTENNA THROUGH GEAR BOX AND SPUR GEARS. ALSO INCLUDES BLOWER MOTOR. INPUT 75 VOLTS. 5/25/44 CRY:MI-18003-B CRY:T-621106 OCT. 44 SUB 5			10AEY BEEN ADDED AND ALL UNITS ARE MOUNTED IN A WOODEN BOX.			CARS CW- 10AFB SY TORQUE TUBE DRIVE UNIT UNIT CONTAINS NECESSARY BEARINGS, 12:1 GEAR REDUCTION, ETC FOR ROTATING TORQUE TUBE; NECESSARY P.F. "PLUMBING" INCLUDING ROTARY JOINT EMERGENCY SHUT-OFF 11/15/44 CW:KS-10236 CW:BX-63177 JAN. 45 ISS 2		
CMT 10AEP 20, 60 CYCLES APPROX 400 WATTS FOR MOTOR, INPUT FOR BLOWER 110/1/60, 40 WATTS PLUS 110/1/60, 550 WATTS FOR HEATER. SAME AS -10ACH EXCEPT FOR LOW INERTIA MOTOR AND GEAR BOX INSTEAD OF GEAR HEAD MOTOR. CNR 10AEQ			CMD 10AEM FOR USE WITH YJ-2 ANTENNA MAST ASSEMBLY CONSISTS OF 4 MAST SECTIONS, GUY WIRES AND ACCESSORY HARDWARE. SAME AS MAST ASSEMBLY OF NAVY TYPE -66AEY-1. USED FOR MOUNTING NAVY TYPE -66AJL FOR SHORE INSTALLATION. 8/18/44 OCT. 44			CARS VALVE FOR WAVE GUIDE, CW-10AFB & SAFETY POLYSTYRENE PLUG-IN WAVE GUIDE. MOUNTED ON ANTENNA TORQUE TUBE. HOUSING IS CAST BRONZE; GEARS ARE HARDENED STEEL AND BRONZE. UNIT IS WATERPROOF. PART OF TYPE -66AKA ANTENNA DRIVE ASSEMBLY.		
CAPZ 10AER SA-3 DRIVE UNIT ASSEMBLY GEAR BOX USED IN NAVY TYPE -10AEO. CONTAINS A DOUBLE REDUCTION WORM OF 17:1 & 11 3/4:1. THE INPUT CONNECTION ACCOMMODATES THE PILOTTED FLANGE AND THE SPLINE COUPLING OF THE MOTOR. PROVISION IS MADE FOR MOUNTING A FOLLOW-UP-SYNCHRO WHICH 5/25/44 CRY:PART OF CRY:T-617912 OCT. 44 MI-18003-B SUB 0			CG- 10AEX *SEE BELOW SPEED & COURSE COMPUTER CONSISTS OF KIT CONTAINING 2 MOTORS-ONE FOR MOUNTING ON RANGE PANEL & 2ND ON PPI- & A BOX MOUNTED UNDER CONSOLE SHELF CONTAINING TRANSFORMERS, CAPACITORS, POTENTIOMETERS, CONTROLS FOR MOTOR, *FOR USE WITH SP OR SP-1M 9/2/44 DL4W534A T-514851 APR. 45 REV 0			CARS CW- 10AFC SPLINE SHAFT DRIVE UNIT AI: 1 GEAR BOX USED TO TRANSFER DRIVE FROM TYPE -10AFD MOTOR DRIVE GEAR UNIT TO SPLINE SHAFT THAT DRIVES TYPE -10AFB TORQUE TUBE DRIVE UNIT. HOUSED IN WATER-PROOF, BRONZE CASTING. GEARS IN THIS 11/16/44 CW:KS-10237 CW:BX-63178 JAN. 45 ISS 2		
CAPZ 10AER IS GEARED 36:1 WITH ANTENNA. UNIT IS OIL FILLED IN OPERATION.			CG-10AEX SPEED INDICATOR & COURSE INDICATING SYNCHRO MOUNTED IN SHELF UNIT & ACCESSIBLE FROM TOP SHELF. POWER OBTAINED: 115 AC, 5 AMPS MAXIMUM FROM SYNCHRO EXCITATION BUS AND 6.3V AC AT 1.5 AMPS MAXIMUM FROM RANGE UNIT.			CARS CW-10AFC UNIT OPERATE IN OIL. SUITABLE COUPLING FLANGES PROVIDED ON BOTH INPUT & OUTPUT SHAFTS. PART OF TYPE -66AKA ANTENNA DRIVE ASSEMBLY.		
CG- 10AES TBY-1 DUMMY LOAD ACTS AS RF LOAD FOR TRANSMITTER TESTING. HAS HIGH LOSS CABLE ATTENUATION WITH INDICATOR LAMP. DISSIPATES 150 WATTS. 50 OHMS IMPEDANCE. FREQ. RANGE 170-1250 MC. 6/9/44 ML-7762261G1 DEC. 44			CAQS- 10AEY GEN. RADAR USE CORNER REFLECTOR CONSISTS OF THREE MUTUALLY PERPENDICULAR METAL SQUARES WITH 8 FT. METAL DIAGONAL. METAL IS 1/2" ALUMINUM MESH FABRIC. 9/29/44 OCT. 44			CARS CW- 10AFD MOTOR DRIVE GEAR UNIT COUPLES TO THE TYPE -21ADC ANTENNA DRIVE MOTOR AND PROVIDES 24:1 GEAR REDUCTION TO OUTPUT DRIVE SHAFT THAT CONNECTS TO THE TYPE -10AFC SPLINE SHAFT DRIVE UNIT. PROVIDES SECOND OUTPUT WITH NECESSARY 11/16/44 CW:KS-10236 CW:BX-22137 JAN. 45 LIST 02 ISS 2		
CAOM 10AET TEA DUMMY LOAD ACTS AS RF LOAD FOR TRANSMITTER TESTING 60 OHMS IMPEDANCE. DISSIPATES 1 KW. BLOWER SUPPLY: 115/1/60. 7/1/44 OCT. 44			-10AEZ GEN. RADAR USE DECOY BALLOON KIT CONSISTS OF 8 STREAMERS OF .0008" ALUMINUM FOIL 3/4" WIDE, 13 FT. LONG, A 50 GM BALLOON, POP-OFF VALVE, 300 FT. FISH LINE, REEL, HYDROGEN GENERATOR USING CALCIUM HYDRIDE AND CASING 3" X 32" TO HOLD ENTIRE ASSEMBLY. ENTIRE ASSEMBLY IS 9/29/44 OCT. 44			CARS CW- 10AFD GEAR REDUCTION FOR DRIVING PPI UNIT THROUGH FLEXIBLE SHAFT. HOUSED IN BRONZE CASTING & USES BRONZE AND HARDENED STEEL GEARS. PART OF TYPE -66AKA ANTENNA DRIVE ASSEMBLY.		

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CARS CV- 10AFE SPLINE SHAFT UPPER BEARING AN UPPER BEARING HOUSING FOR THE SPLINE SHAFT. PINION SO ARRANGED TO TAKE SPLINE SHAFT AT LOWER END & COUPLE TO TYPE -21ADE SYNCHRO UNIT AT THE UPPER END. UNIT HAS CAST BRONZE HOUSING & IS PRO-11/16/44 CW:KS-10238 JAN. 45		CW:BX-63179 ISS 2	-10AFK GEN RADAR USE CORNER REFLECTOR FOR NAVIGATIONAL AID ON BUOYS, ETC. TO RESPOND TO S & X BANDS. RADIUS OF 8.5 INCHES. CONSISTS OF 3 MUTUALLY PERPENDICULAR MONEL, STEEL, OR ALUMINUM MESH OR PERFORATED SHEET. OPENINGS NO GREATER THAN 1/4" IN ANY DIRECTION. 1/10/45 JAN. 45			CRP- 10AFR SPEED TRAIN DATA. 2 SPEED ELEVATION DATA. INCLUDES TELEPHONE JACK.		
CARS CV- 10AFE VIDED WITH GREASE LUBRICATION. PART OF TYPE -66AKA ANTENNA DRIVE ASSEMBLY.			-10AFL GEN RADAR USE CORNER REFLECTOR FOR NAVIGATIONAL AID ON BUOYS, ETC. TO RESPOND TO S & X BANDS. RADIUS OF 12 INCHES. CONSISTS OF 3 MUTUALLY PERPENDICULAR MONEL, STEEL, OR ALUMINUM MESH OR PERFORATED SHEET. OPENINGS NO GREATER THAN 1/4" IN ANY DIRECTION. 1/10/44 JAN. 45			CAQS-10AFS GEN. RADAR USE CORNER REFLECTOR: 4 FT. RADIUS CORNER REFLECTOR WEIGHING LESS THAN 10 LBS AND PACKAGING TO 4' X 4' X 1 1/2' VOLUME. BB RESPONSE FROM 100 TO 3000 MC WITH CUTOFF AT 5000 MC. SIMILAR TO -10AEE EXCEPT FOR CONSTRUCTION TO PERMIT SMALLER PACKAGING. 1/18/45 MAR. 45		
CG- 10AFF TDY-1 DUMMY LOAD FREQUENCY RANGE 770-1250 MC. ACTS AS RF LOAD FOR TRANSMITTER TESTING. HAS HIGH LOSS CABLE ATTENUATION WITH INDICATOR LAMP. DISSIPATES 150 WATTS. 50 OHMS IMPEDANCE. SIMILAR TO TYPE CG-10AES DUMMY LOAD EXCEPT FOR FREQUENCY RANGE. 11/17/44 JAN. 45			-10AFM GEN RADAR USE CORNER REFLECTOR FOR NAVIGATIONAL AID ON BUOYS, ETC. TO RESPOND TO S & X BANDS. RADIUS OF 20 INCHES. CONSISTS OF 3 MUTUALLY PERPENDICULAR MONEL, STEEL OR ALUMINUM MESH OR PERFORATED SHEET. OPENINGS NO GREATER THAN 1/4" IN ANY DIRECTION. 1/10/45 JAN. 45			CG- 10AFT * SEE BELOW SPEED & COURSE COMPUTER: CONSISTS OF KIT CONTAINING 2 MOTORS ONE FOR MOUNTING ON RANGE PANEL & OTHER ON PPI AND A BOX MOUNTED UNDER CONSOLE SHELF CONTAINING TRANSFORMERS, CAPACITORS & POTENTIOMETERS. SUPPLY: 115/1/60. 5 ØFOR USE WITH SM OR SM-1 1/19/45 4W536A T-51J851 MAR. 45 SUB. 0		
CRP- 10AFG SG-3 CONSOLE CABINET CONSISTS OF 3 ALUMINUM CASES BOLTED TOGETHER WITH REMOVABLE TOP COVERS. INCLUDES 3 JUNCTION BOXES AND 3 BLOWERS AND MOUNTS ON SHOCK MOUNTED CRADLE. PART OF TYPE -55AGF INDICATOR CONSOLE. 11/21/44 RX-1017 M-38C800-W386 JAN. 45 SUB 0			-10AFN GEN RADAR USE CONIC REFLECTOR RIGHT ANGLE CONE OF SOLID. PERFORATED SHEET, OR MESH WITH OPENINGS NO GREATER THAN 1/4" IN ANY DIRECTION. APEX TO BASE 6 INCHES. 1/10/45 JAN. 45			CG- 10AFT AMPS MAX FROM SYNCHRO EXCITATION BUS AND 63V AC AT 1.5 AMPS MAX FROM RANGE UNIT. SAME AS -10AEX EXCEPT FOR SHELF LENGTH WHICH IS LONGER TO PERMIT ATTACHMENT TO SM OR SM-1 EQUIPMENT. (NXSR-62353)		
CRY- 10AFG-1 SR-2 CONSOLE CABINET CONSISTS OF 3 ALUMINUM CASES BOLTED TOGETHER WITH REMOVABLE TOP COVERS. INCLUDES 3 JUNCTION BOXES AND 3 BLOWERS AND MOUNTED ON SHOCK MOUNTED CRADLE. PART OF TYPE -55AGG INDICATOR CONSOLE. MECHANICALLY INTERCHANGEABLE AS A WHOLE 11/21/44 FEB. 45			-10AFN GEN RADAR USE CONIC REFLECTOR RIGHT ANGLE CONE OF SOLID. PERFORATED SHEET, OR MESH WITH OPENINGS NO GREATER THAN 1/4" IN ANY DIRECTION. APEX TO BASE 6 INCHES. 1/10/45 JAN. 45			CG- 10AFT AMPS MAX FROM SYNCHRO EXCITATION BUS AND 63V AC AT 1.5 AMPS MAX FROM RANGE UNIT. SAME AS -10AEX EXCEPT FOR SHELF LENGTH WHICH IS LONGER TO PERMIT ATTACHMENT TO SM OR SM-1 EQUIPMENT. (NXSR-62353)		
CRY- 10AFG-1 WITH -10AFG.			-10AFQ GEN. RADAR USE REFLECTOR, TURNSTILE. COHERENT: CONSISTS OF 6 EQUAL ARMS ALONG 3 COORDINATE AXIS RADIATING FROM A POINT WITH 12 FIVE CENTIMETER DIPOLES SPACED 6 CENTIMETERS OUTER TO CENTER ALONG ARMS. 1/10/45 MAR. 45			-10AFU GEN. RADAR USE CORNER REFLECTOR: 4 FT. RADIUS CORNER REFLECTOR WEIGHING LESS THAN 4 LBS AND PACKAGED TO 4' X 4' X 1 1/2" VOLUME. BATTLESHIP RESPONSE FROM 100 MC TO CUTOFF AT 3000 MC. DESIGNED FOR FREE FLIGHT. SIMILAR TO ML-30/AP EXCEPT FOR SIZE. 2/12/45 MAR. 45		
CRY- 10AFG-1			-10AFP GEN. RADAR USE REFLECTOR, WATER SURFACE: VERTICAL FLOATING METAL OR FOIL STRAWS WEIGHTED AT ONE END AND SEALED AT BOTH ENDS. TWELVE INCHES OVERALL. 1/10/45 MAR. 45			-10AFV GEN. RADAR USE PARACHUTE: 10" DIAMETER (EXTENDED) OF PAPER CONSTRUCTION. DESIGNED FOR OPENING CORNER REFLECTORS WHEN DROPPED FROM AIRCRAFT AND FOR DROPPING "ROPE". 2/16/45 CANT:GTM#14 MAR. 45		
CRY- 10AFM SR-2 ANTENNA PEDESTAL PROVIDES MOUNT ON WHICH TYPE -66AKB ANTENNA ASSEMBLY CAN BE ROTATED. CONTAINS TWO 6G SYNCHROS. A DRIVE MOTOR, A BLOWER MOTOR AND A SHIP'S HEADING INDICATOR. PEDESTAL HAS THERMOSTATIC CONTROL OF TEMPERATURE. 12/21/44 JAN. 45			-10AFQ GEN. RADAR USE RE 16K 16 KITE, RADAR REFLECTOR: 46" SPAN, 32 1/2" LONG, 11 1/2" HIGH. WEIGHT 2 POUNDS. SCALED DOWN MODEL OF BUAER YKS-1. FLIES IN 10 KNOT WIND. 1/10/45 MAR. 45			-10AFW GEN. RADAR USE CORNER REFLECTOR ASSEMBLY: A 4 FOOT RADIUS, HALF CORNER REFLECTOR RESPONDING OVER A FREQUENCY RANGE OF 100 TO 3000 MC. USES ALUMINUM FOIL SURFACES, FOLDING ARMS AND A SPRING LOCKING DEVICE IN CENTRAL AXIS. INCLUDES A TYPE -10AFV PARACHUTE. 2/16/45 KEARSLEY ANGEL MAR. 45		
CAPR- 10AFJ TDX-1 ANTENNA PEDESTAL HOUSING CONTAINING MOTOR, ASSOCIATED GEARS, SELSYN AND SELSYN INDICATORS. 360° ROTATION AT 4 RPM APPROX. SPLASH PROOF. DRIVE MOTOR RATED 1/8 HP. 115V DC 1750 RPM. SIMILAR TO TYPE -10AFA EXCEPT USES DC INSTEAD OF AC MOTOR. 12/26/44 JAN. 45			CRP- 10AFR X-SG-4 STABLE VERTICAL ELEMENT: SUPPLY: 115/1/60 UNREGULATED. CONSISTS OF GYRO MOTOR A SPARE HEATER OF 150 WATTS, A DOUBLE CONVENIENCE OUTLET (115 VOLTS, 60 CYCLES, AND SAME PHASE AS SYNCHRO BUS). SYNCHRO DATA INPUT: 1 AND 36 SPEED BEARING DATA. OUTPUT: 1 AND 36 1/16/45 RX-1101 E-9714 MAR. 45			CAVF-10AFX SS TORQUE TUBE DRIVE ASSEMBLY: CONSISTS OF DRIP PAN, BOLTED TO OVERHEAD OF CONNING TOWER, WHICH CARRIES ENTIRE ASSEMBLY, BULL GEAR ATTACHED BY SPLINE TO TORQUE TUBE WHICH EXTENDS THROUGH STUFFING BOX AND PROVIDES MAST ON WHICH CW-66AKW PROJECTOR IS MOUNTED; AN EMER-2/26/45 CW:KS-10243 CW:BX-23671 MAR. 45 ISSUE 2		

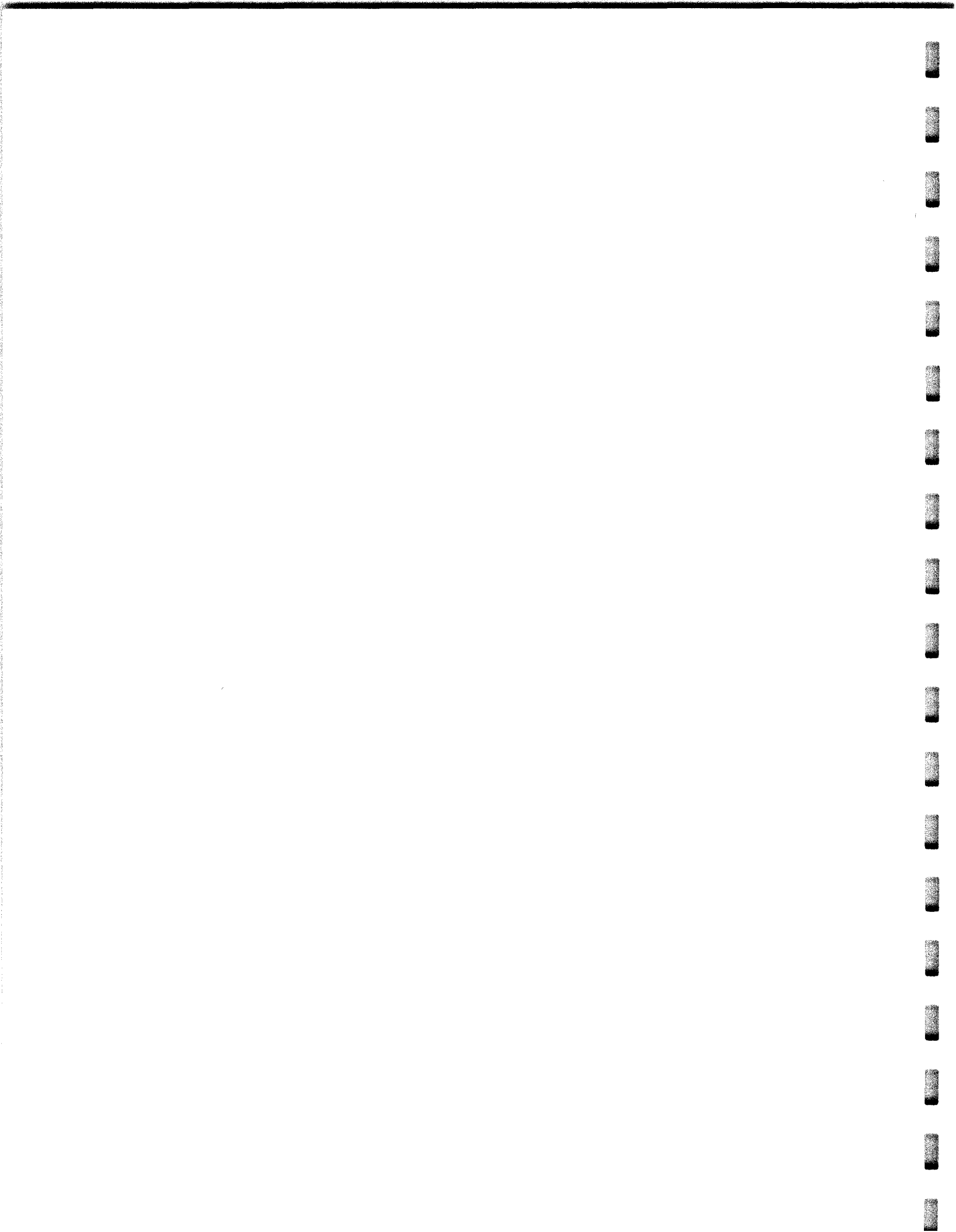
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 14—Special R-F Devices

CLASS 14

CONFIDENTIAL

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
RA-14AAA	XAT	ANTENNA SWITCHING UNIT:	CRY-14AAF	ASB-4	ANTENNA SWITCHING UNIT (FREQ. RANGE: 510 TO 525 MC): INCLUDES A SUITABLE MOTOR DRIVEN DOUBLE-POLE ROTARY SWITCH TO DIRECT THE RADIATIONS OF THE TRANSMITTER TO EITHER PORT OR STARBOARD ANTENNA. THEN DIRECT THE RECEIVED REFLECTED SIGNAL TO THE RECEIVER & 5/8/42 MI-17025 P-255212 MAR. 44	CPV-14AAK	*SEE BELOW	RE 14FT00 DUPLEXING UNIT: 50 OHMS IMPEDANCE. *SA SERIES MXS-14122 10/20/42 MAR. 44
2/4/42	MAR. 44		CRY-14AF		CONNECT THE OUTPUT OF THE RECEIVER TO THE PORT OR STARBOARD CONNECTIONS OF THE RANGE INDICATOR. IT ALSO CONTAINS A SUITABLE GAS DISCHARGE TUBE TO PROTECT THE RECEIVER FROM SERIOUS OVERLOAD DURING PULSE TRANSMISSION.	CTY-14AAL	ONJ	RESONANCE CHAMBER CAN WITH PROVISION AT ONE END TO COUPLE WITH CONNECTOR ON ONE END OF CONCENTRIC CABLE; OTHER END HAS SHAFT ROTATION OF WHICH RESULTS IN TUNING THE CAN TO THE DESIRED FREQUENCY CONSTRUCTED OF ALUMINUM, MOUNTED WITH STRAPS. 11/4/42 MAR. 44
2/4/42	MAR. 44	CAT:P-7709064 REV 0	CJP-14AAC	ASB-3	ANTENNA SWITCHING UNIT	CTY-14AAM	ONJ-1	RESONANCE CHAMBER CAN WITH PROVISION TO PLUG IN PROPER ANTENNA. ONE END HAS SHAFT-ROTATION OF WHICH RESULTS IN TUNING THE CAN TO THE DESIRED FREQUENCY AND BY MEANS OF A POINTER AND SCALE SYSTEM THE FREQUENCY IS DETERMINED. CONSTRUCTED OF STEEL. 11/4/42 MAR. 44
2/4/42	MAR. 44	CAT:P-7708552 SUB 0	CRY-14AAD	ASB	ANTENNA SWITCHING UNIT: INCLUDES SUITABLE MOTOR DRIVEN DOUBLE POLE ROTARY SWITCH TO DIRECT THE RADIATION OF THE TRANSMITTER TO EITHER PORT OR STARBOARD ANTENNA THEN DIRECT THE RECEIVED REFLECTED SIGNAL TO THE RECEIVER & CONNECT THE OUTPUT OF THE RECEIVER TO THE RANGE INDICATOR. IT ALSO CONTAINS A SUITABLE GAS DISCHARGE TUBE TO PROTECT THE RECEIVER FROM SERIOUS OVERLOAD DURING PULSE TRANSMISSION. 2/11/42 MAR. 44	CRR-14AAG		TO THE PORT OR STARBOARD CONNECTION OF THE RANGE INDICATOR. IT ALSO CONTAINS A SUITABLE GAS DISCHARGE TUBE TO PROTECT THE RECEIVER FROM SERIOUS OVERLOAD DURING TRANSMISSION. INPUT: 115/600-1400, 0.12 AMP SHOCK MOUNTED.
2/11/42	MAR. 44	P-255011 SUB 1	CPR-14AAH	ASG	ANTENNA SWITCHING UNIT INCLUDES A PRESSURIZED CO-AXIAL TRANSMISSION LINE FROM THE MAGNETRON TO THE LINE WHICH GOES TO THE ANTENNA ASSEMBLY. A "TR BOX" (TRANSMITTER-RECEIVER BOX) IS INCLUDED; TO SUPPLY POWER FROM THE TRANSMITTER TO THE ANTENNA DURING TRANSMISSION. 8/14/42 MAR. 44	CTY-14AAN		INCLUDES INTEGRAL BASE.
3/5/42	MAR. 44	P-7708735 SUB 1	CAY-14AAE	AIRCRAFT RADAR	ANTENNA SWITCHING UNIT: 176 MC., 50 OHM IMPEDANCE 24V.D.C., 0.5 AMPS.	CRP-14AAN	CXCR, SO. 50-2	RESONANCE CHAMBER INCLUDES A NEON BULB INDICATOR. CONNECTS BY AN INTERVENING CABLE TO TYPE -66A00 ANTENNA ASSEMBLY. 11/10/42 MX-4806 MAR. 44
6/1/43	MAR. 44	DL-7501637 G-4 P-7708735 SUB 2	CAY-14AAE-1	MXSS-26959	*SEE BELOW ANTENNA SWITCHING UNIT: 50 OHMS IMPEDANCE, FREQUENCY OF OPERATION SAME AS THAT OF MODEL ASE. OPERATES FROM 24 VOLTS DC AT 0.5 AMP. SAME AS BASIC NUMBER EXCEPT USES A JOHN OSTER MOTOR *FOR USE WITH ASE 6/1/43 DL-7501637 P-7708735 SUB 2	CRP-14AAN	OAK	PROBE AND TRANSMISSION LINE 12/9/42 MAR. 44
6/1/43	MAR. 44	DL-7501637 G-4 P-7708735 SUB 2	CAY-14AAE-1		INSTEAD OF EICOR MOTOR. OTHER MINOR CHANGES MADE. BOTH MOTORS INTERCHANGEABLE AS A WHOLE.	CRP-14AAP	ASG-3	ANTENNA SWITCHING UNIT AND CONVERTER: CONSISTS OF TR CAVITY WITH CRYSTAL CAVITY ATTACHED, AND A SECTION OF RF LINE TO RF TRANSMITTING TUBE. PART OF -43 ASB. 1/25/43 MAR. 44
			CAY-14AAE-1			CG-14AAQ	SN	ECHO BOX 2/8/43 ML-7662511G1 P-7765627 MAR. 44 REV 1

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5.14-2

Class 14—Special R-F Devices

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
CS-14AAR	USE WITH ASD.A1A		CUO-14AAT	GEN. RADAR USE		CGP-14ABB		
ECHO BOX			ECHO BOX (S SUB S BAND)			VALVE (EXTERNAL TO IT) TO CLOSE WAVE		
CUBICAL COPPER BOX WITH PARABOLIC REFLECTOR IN ONE SIDE. RINGING TIME: 8 MICROSECONDS.			CONSISTS OF AN ECHO BOX USED FOR TESTING RADARS ON THE S SUB S BAND. MAY ALSO BE USED AS A FREQUENCY METER AND ROUGH SPECTRUM ANALYZER. MANUAL TUNED. USES A CRYSTAL AND METER TO INDICATE RELATIVE POWER.			GUIDE IF CONNING TOWER IS FLOODED AND A STOP TO POSITION ADAPTER IN WELL.		
3/3/43	R-5657649		4/25/44	X-63626A	BO-409347 ISS 1			
MAR. 44	9/11/43		OCT. 44		(CUO:E-177-0)			
CRV-14AAS	*SEE BELOW		C-14AAZ	*SEE BELOW		CGP-14ABC	ST	
PHANTOM ANTENNA			RF WAVE TRAP			WAVEGUIDE PICK-UP UNIT		
			CONTAINS THE NAVY TYPE -66AFH TUNING STUB MODIFIED AND FREQUENCY CALIBRATION INDEX AND AN RF CONNECTOR BOX WITH AN ON-OFF SWITCH. PLACED BETWEEN THE ANTENNA AND THE RECEIVER TO DETERMINE WHETHER USE WITH ROO, AN/APR-1, AN/SPR-1			CONTAINS DIRECTIONAL WAVE GUIDE PICK-UP. CONTROLLED BY RELAY-OPERATED SWITCH. R.F. JUNCTION BOX WITH PROVISIONS FOR TAPPING RF ENERGY TO NAVY TYPE -14AAK ECHO BOX.		
*FOR USE WITH ASA NX3a-14846			7/11/44	RA-62F356-A				
3/16/43	MI-18708	M-422260	OCT. 44			8/18/44	D-152280	(CW)BXX-19895
MAR. 44		SUB 1				OCT. 44		ISSUE 3
CRP-14AAT	SO-3		C-14AAZ			CRP-14ABD	GEN. RADAR USE	
RESONANCE CHAMBER			FREQUENCY OF INCOMING SIGNAL BETWEEN 210 AND 3000 MC.			TRIGGER DELAY LINE		
THIS UNIT SERVES AS A JUNCTION BOX FOR ALL CABLES TO THE ANTENNA AND IS WATER-TIGHT. MAY BE REMOTELY TUNED FROM TYPE -25ADU ACCESSORY CONTROL UNIT.						CONSISTS OF SIX CONDENSER AND CHOKE "T" ASSEMBLIES IN A DRIPPROOF STEEL CASE WITH FACILITIES FOR BULKHEAD MOUNTING. TIME DELAY SHALL BE VARIABLE FROM 0 TO 2.4 MICROSECONDS. IN STEPS OF 0.05 MICROSECONDS. CHARACTERISTIC IMPEDANCE OF		
5/27/43	WX-4813	M-5E15-W84				8/29/44	RX-1032	M-74A-W2
DEC. 44		SUB A				DEC. 44		SUB 0
CJP-14AAU	ASB-7		CABV-14ABA	OBV-3		UNIT IS 75 OHMS.		CRP-14ABD
ANTENNA SWITCHING UNIT			ECHO BOX (S SUB S BAND)					
SAKE AS CJP-14AAC EXCEPT OPERATES ON "A" BAND INSTEAD OF A SINGLE FREQUENCY.			CONSISTS OF AN ECHO BOX USED FOR TESTING RADARS ON THE S SUB S BAND. MAY ALSO BE USED AS A FREQUENCY METER AND ROUGH SPECTRUM ANALYZER. MANUAL TUNED. USES A CRYSTAL AND METER TO INDICATE RELATIVE POWER. TYPE NUMBER INCLUDES INPUT LOOP					
9/6/43	DL-7501578	CAY:P-7713431	7/28/44	SA-12539	14557-B			
DEC. 44	GROUP 12	SUB. 0	OCT. 44					
CPV-14AAY	*SEE BELOW		CABV-14ABA			CW-14ABE	MK 13. MOD 0	
DUPLEXING UNIT			(SA-12608) OUTPUT LOOP (SA-12609). SIMILAR TO -14AAY.			ECHO BOX (RADAR ECHO BOX		
50 OHMS IMPEDANCE, REDESIGNED VERSION OF NAVY TYPE CPV-14AAK. USES CABLE CONNECTOR AN-97-8102-5 SY. HAS LONGER TRANSMISSION LINE. BAND 1 OR 2.						MARK 1 MOD 0): PROVIDES MEANS FOR TESTING RADAR SYSTEM WITHOUT TARGET BY CONNECTING IT TO ANTENNA WAVE GUIDE. REFLECTED SIGNAL SIMULATES THAT NORMALLY RECEIVED FROM THE TARGET. LOCATED IN ANTENNA AND FURNISHED AS A PART OF TYPE		
*FOR USE WITH SA-2						9/5/44	D-152278	CW:BX-50083
10/27/43		I-621336				APR. 45		ISSUE 1
MAR. 44		GROUP 501 SUB 0						
COY-14AAM	SP & SP-1M	RE 13A717	CABV-14ABA-1	OBV-3		-66AHU ANTENNA AS-		CW-14ABE
ECHO BOX:			ECHO BOX (S SUB S BAND)			SEMBLY. SIMILAR TO TYPE -14AAK ECHO BOX EXCEPT IT HAS DIFFERENT DIMENSIONS AND IS MADE OF COPPERWELDED STEEL WITH COPPER SURFACES ON INSIDE.		
A SIMPLE CYLINDRICAL RESONANT CAVITY APPROXIMATELY 6" IN DIA. AND 5 1/2" LONG - INSIDE IS A MOVABLE PLUNGER CAPABLE OF BEING MOVED AXIALLY BY AN EXTERNAL KNOB TO VARY SIZE OF CAVITY. R.F. ENERGY IS INDUCTIVELY COUPLED IN AN OUT OF CAVITY			CONSISTS OF AN ECHO BOX FOR TESTING RADARS ON THE S SUB S BAND. MAY ALSO BE USED AS A FREQUENCY METER AND ROUGH SPECTRUM ANALYZER. MANUALLY TUNED. USES A CRYSTAL AND METER TO INDICATE RELATIVE-POWER. SIMILAR TO -14ABA EXCEPT FREQ-					
1/25/44	CG:K-7895447PI	CG:T-7663265	10/27/44	SA-12539-1	14557-G			
DEC. 44		REV 0	DEC. 44					
COY-14AAM			QUENCY RANGE	CABV-14ABA-1		CID-14ABF	MK 13. MOD 0	
BY LOOPS IN SIDES. ECHO BOX ACTS AS A MINATURE TRANSFORMER. THE TUNING OF RESONANT CAVITY IS SHARP AND WILL ACCEPT ONLY ENERGY IN A BAND WIDTHS OF .085 MC.			HAS BEEN EXTENDED 60 MC EACH SIDE OF THE NOMINAL RANGE AND OTHER ASSOCIATED MECHANICAL CHANGES.			DIRECTIONAL COUPLER (RADAR		
						UNIT (COUPLER) MK 13 MOD 0): 6" LENGTH OF RG-51/U WAVEGUIDE WITH A UG-51/U COVER ON ONE END AND A UG-52/U CHOKE ON THE OTHER END. PARALLEL TO THIS GUIDE AND JOINED TO IT ALONG NARROW SIDE IS 4" LENGTH OF GUIDE. AT ONE END IS COAXIAL		
						9/5/44	CW:D-152583	CW:BX-50083
						APR. 45		ISSUE 1
CW-14AAX	ST		CGP-14ABB	ST		CID-14ABF		
ECHO BOX			PERISCOPE ADAPTER			PROBE AND AT OTHER END RESISTANCE STRIP		
PROVIDES MEANS FOR TESTING THE RADAR SYSTEM WITHOUT A TARGET BY CONNECTING IT TO THE ANTENNA WAVEGUIDE. REFLECTED SIGNAL SIMULATES THAT NORMALLY RECEIVED FROM TARGET.			CONSISTS OF ROTARY AND SLIDING WAVE GUIDE JOINTS TOGETHER WITH PROTECTING TUBING AND FLANGE FOR BOLTING TO BOTTOM OF PERISCOPE TO PERMIT TRANSMISSION OF RF ENERGY FROM STATIONARY WAVE GUIDE TO PERISCOPE ANTENNA. INCLUDES EMERGENCY			KILLER. WINDOWS BETWEEN 2 PIECES OF KILLER IN COMMON SIDE ALLOW ENERGY TO PASS THROUGH AND BE PICKED UP BY PROBE.		
4/11/44	D-152349		8/18/44	D-152275	BXX-19895			
OCT. 44			OCT. 44		ISSUE 3			
		ASSIGNED						ASSIGNED
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

Class 14—Special R-F Devices

5.14-3

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-14ABG SV
ECHO BOX
A TUNABLE BOX THAT OPERATES OVER FULL SV BAND. PROVIDED WITH (1) DIRECT MECHANICAL DRIVE ON PLUNGER CALIBRATED IN RELATIVE FREQUENCY (2) "ON-OFF" CONTROL TO REMOVE INPUT LOOP (3) CONTROL FOR VARYING THE OUTPUT COUPLING. A PART 11/15/44 X-66403A BR-460163 FEB. 45 ISSUE 2

CW-14ABL SS
DIRECTIONAL COUPLER
DESIGNED FOR OPERATION IN THE RG-51/U WAVE GUIDE. PROVIDED WITH A UG-51/U FLANGE AT INPUT END AND UG-52/U CHOKE AT OUTPUT END. PROVIDES AN CONNECTORS FOR ATTACHING MEASURING EQUIPMENT TO MEASURE EITHER DIRECT OR REFLECTED POWER TRANS- 2/26/45 X-66362E BL-460160 MAR. 45 ISSUE 1

CW-14ABP SS
POWER MEASURING HEAD ASSEMBLY
TUNABLE WAVEGUIDE TERMINATION CONTAINING THE NAVY TYPE -633528 THERMISTOR ASSEMBLY AND IS USED FOR MEASURING ULTRA HIGH FREQUENCY POWER. USED IN TS-230/AP FREQ. POWER METER. OVERALL DIMENSIONS 1 13/16" X 2 1/2" X 2 5/16". 5/10/45 BO-409791 BR-409791 JUN. 45 ISSUE 3

CW-14ABG
OF CW-43ACW RADAR TRANSMITTER-RECEIVER. UNIT DOES NOT INCLUDE OUTPUT METER MOUNTED ELSEWHERE ON -43ACW RADAR TRANSMITTER-RECEIVER.

CW-14ABL
MITTED THROUGH WAVE GUIDE. TRANSMISSION LOSS FROM MAIN TRANSMISSION PATH TO EACH AN CONNECTOR IS 20 DB IN EITHER DIRECTION. FOR USE WITH X-63629A ECHO BOX TEST SET NORMALLY PERMANENTLY CONNECTED. CONNECTION CAN BE MADE WITH TS-230/AP FREQUENCY POWER MOTOR.

CW-14ABQ TS-35A/AP
DETECTOR ASSEMBLY
CONSISTS OF A SILICON CARBIDE CRYSTAL DETECTOR UNIT MOUNTED IN A WAVEGUIDE AND PROVIDED WITH A SHAFT OPERATED TUNING STUB FOR OBTAINING MAX. OUTPUT. TWO SOLDER LUG TERMINALS. APPROX AVERALL DIMENSIONS 2 1/2" X 3 1/4" X 4 3/8". 5/10/45 BO-409531 BR-409531 JUN. 45 ISSUE 6

CGP-14ABM SS
PERISCOPE ADAPTER
CONSISTS OF ROTARY AND SLIDING WAVE GUIDE JOINTS TOGETHER WITH PROTECTING TUBING AND FLANGE FOR BOLTING TO BOTTOM OF PERISCOPE TO PERMIT TRANSMISSION OF R.F. ENERGY FROM STATIONARY WAVEGUIDE TO PERISCOPE ANTENNA. SIMILAR TO TYPE 1/29/45 D-152273-A CW:BR-25887 MAR. 45 ISSUE 1

CW-14ABM SS
PHASE ADJUSTER
SHORT SECTION OF RG-51/U WAVE GUIDE WITH A UG-51/U FLANGE AT ONE END AND A UG-52/U CHOKE AT THE OTHER. INCLUDES 2 INDEPENDENT POLYSTYRENE ELEMENTS LOCATED INTERNALLY WHICH CAN BE ADJUSTED INDEPENDENTLY IN POSITION NEAR SIDE OR AT 2/26/45 D-152993 BR-24549 MAR. 45 ISSUE 2

CW-14ABR SS, TS-35A/AP
FREQUENCY METER CAVITY
ASSEMBLY: USED FOR MEASURING FREQUENCY IN XS AND XL BANDS AND HAS ABSOLUTE ACCURACY OF ±3 MC AND 1/2 MC DIFFERENTIAL: CONSISTS OF A TUNABLE CAVITY WITH A COUNTER TYPE INDICATOR. THE COUNTER TYPE INDICATOR PART OF THE ASSEMBLY IS NOT 5/1/45 X-63624-H BR-409526 JUN. 45 ISSUE 6

CGP-14ABM
CGP-14ABB EXCEPT THE WAVE GUIDE VALVE HAS BEEN ELIMINATED.

CW-14ABM
CENTER OF GUIDE. AT SIDE THEY INTRODUCE PRACTICALLY NO PHASE SHIFT TO PASSAGE OF RF SIGNALS. ONE ELEMENT WHEN AT CENTER INTRODUCES ABOUT 45° PHASE SHIFT & THE OTHER ABOUT 90° PHASE SHIFT SO THAT ANY PHASE SHIFT IN MULTIPLES OF 45° BETWEEN 0° AND 145° MAY BE OBTAINED.

CW-14ABR
REPLACEABLE. USED IN THE TS-230/AP. OVERALL DIMENSIONS 1 5/16" X 1 9/16" X 10 13/16" LG.

- 14AB1

DO NOT ASSIGN

CAVB-14ABM FOR USE WITH PD TUNING CAVITY
USED TO TUNE RF COAX LINE FROM RELAY RECEIVER CAEV-46ADY TO ANTENNA AF-86/ART-22 IN ORDER TO REDUCE INTERFERENCE FROM OTHER UNWANTED SIGNALS. CONSISTS OF RESONANT CAVITY WITH TUNING PLUNGER WITH TWO TYPE N RECEPTACLES. 2/14/45 APR. 45

CAY-14ABS SR-3
ECHO BOX
CONSISTS OF A VARIABLE CAVITY CRYSTAL RECTIFIER AND RESONANCE INDICATOR. CAVITY IS TUNED BY DIAL MOUNTED IN FRONT PANEL. PART OF TYPE CAY-43ADL RADAR TRANSMITTER-RECEIVER CONSOLE. 5/17/45 T-7615662 JUN. 45 SUB 0

CGP-14ABJ ST
WAVEGUIDE PICK-UP UNIT
CONTAINS DIRECTIONAL WAVEGUIDE PICK-UP. SIMILAR TO TYPE CGP-14ABC EXCEPT SWITCHING IS DONE BY AN AC SOLENOID WHICH EXERTS GREATER PULL THAN DC SOLENOID RECTIFIER & TRANSFORMER. CAN BE MANUALLY CONTROLLED IF THERE IS MOTOR FAILURE. 1/30/45 D-153048 CW:BR-24247 MAR. 45 ISSUE 2

CAVB-14ABM
CAN BE TUNED FROM 250 TO 350 MC. ADJUSTED TUNING PLUNGER KNOB 8" X 4 1/2" DIAMETER. 10 LBS.

CW-14ABK MK 34 MODS 1 & 2
RADAR TEST UNIT (COUPLER)
MARK 15 MOD 1: DESIGNED FOR OPERATION IN THE RG-51/U WAVE GUIDE. PROVIDED WITH A UG-51/U FLANGE AT THE INPUT END & A UG-52/U CHOKE AT THE OUTPUT END. PROVIDES "AM" CONNECTORS FOR ATTACHING MEASURING EQUIPMENT ARRANGED TO MEASURE EITHER 2/16/45 X-66362-F BX-50766 MAR. 45 ISSUE 4

CW-14ABO TS-35A/AP
POWER MEASURING HEAD ASSEMBLY
PROVIDES FOR MOUNTING OF TWO NAVY TYPE-633528 THERMISTORS. ONE FOR ABSORBING RF POWER. LOCATED IN A WAVEGUIDE AND THE OTHER LOCATED IN AN ADJACENT CLOSED CHAMBER AND USED FOR CORRECTING AMBIENT TEMPERATURE EFFECTS. TWO SOLDER LUG TER- 5/10/45 BO-409525 BR-409525 JUN. 45 ISS. 6

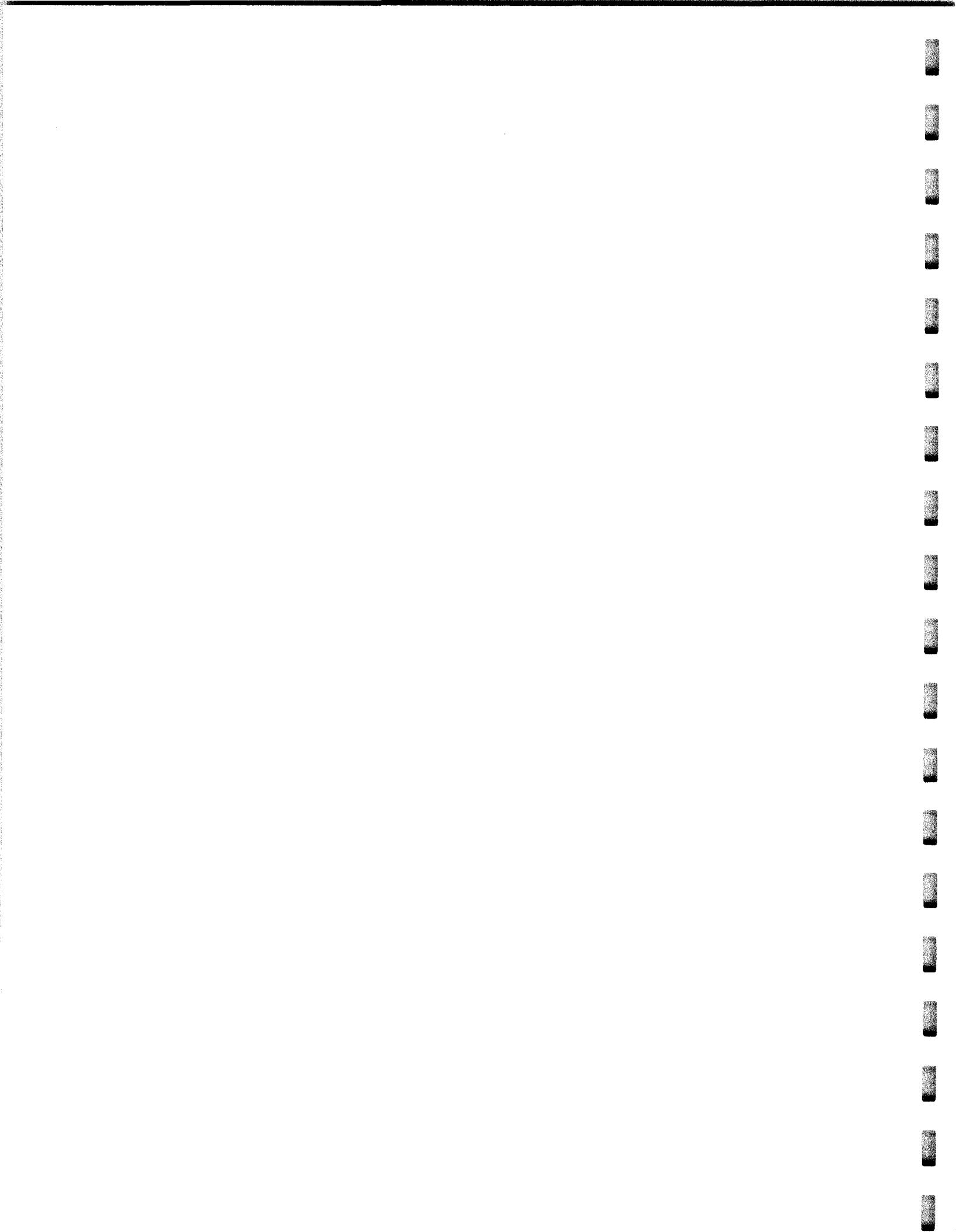
CW-14ABK
DIRECT OR REFLECTED POWER TRANSMITTED THROUGH WAVEGUIDE. TRANSMISSION LOSS FROM MAIN TRANSMISSION PATH TO EACH "AM" CONNECTOR IS 26 DB IN EITHER DIRECTION.

CW-14ABO
MINALS. OVERALL DIMENSIONS 2 9/32" X 2 7/16" X 4".

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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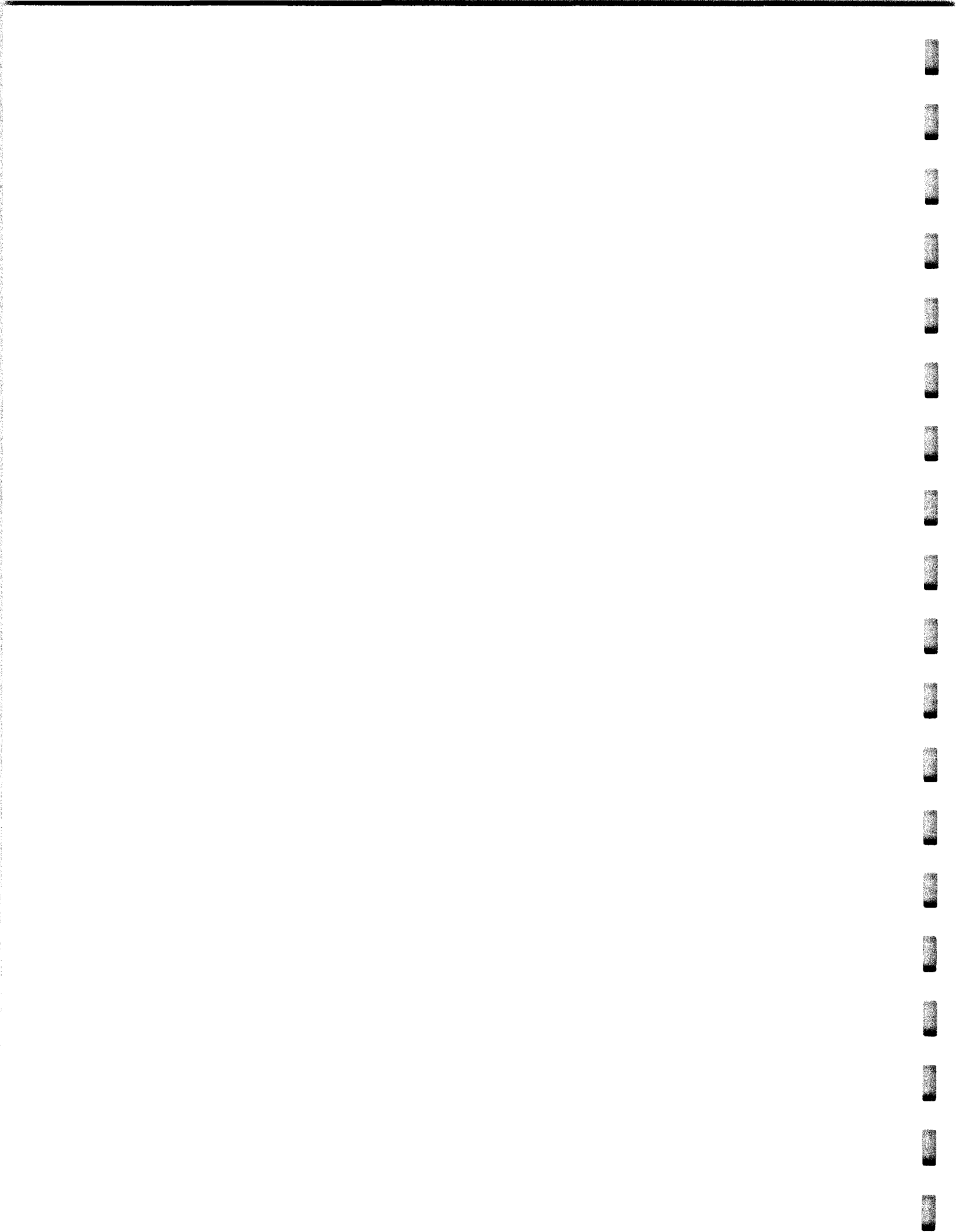


Class 19—Batteries

CLASS 19

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NAVSHIPS 900,109



Class 19—Batteries

5.19-1

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
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CEV-19AAA CIC
 BATTERY BOX
 10" DEEP - 12" WIDE - 18-3/4" LONG.

10/22/52
 MAR. 44

RA-19AAB I-ARD
 BATTERY POWER UNIT:
 INPUT 24 TO 28 VOLTS 3.8 AMPS. INCLUDES
 5 OHM DROPPING RESISTOR AND 5 OHM
 RHEOSTAT. CONTAINS 5, NAVY TYPE -19005,
 45 VOLTS DC, 35 MA AND 6.3VDC, 3.75 AMPS.
 CASE DIMENSIONS 5" X 7" X 20".

6/3/42 FIG. 5
 MAR. 44

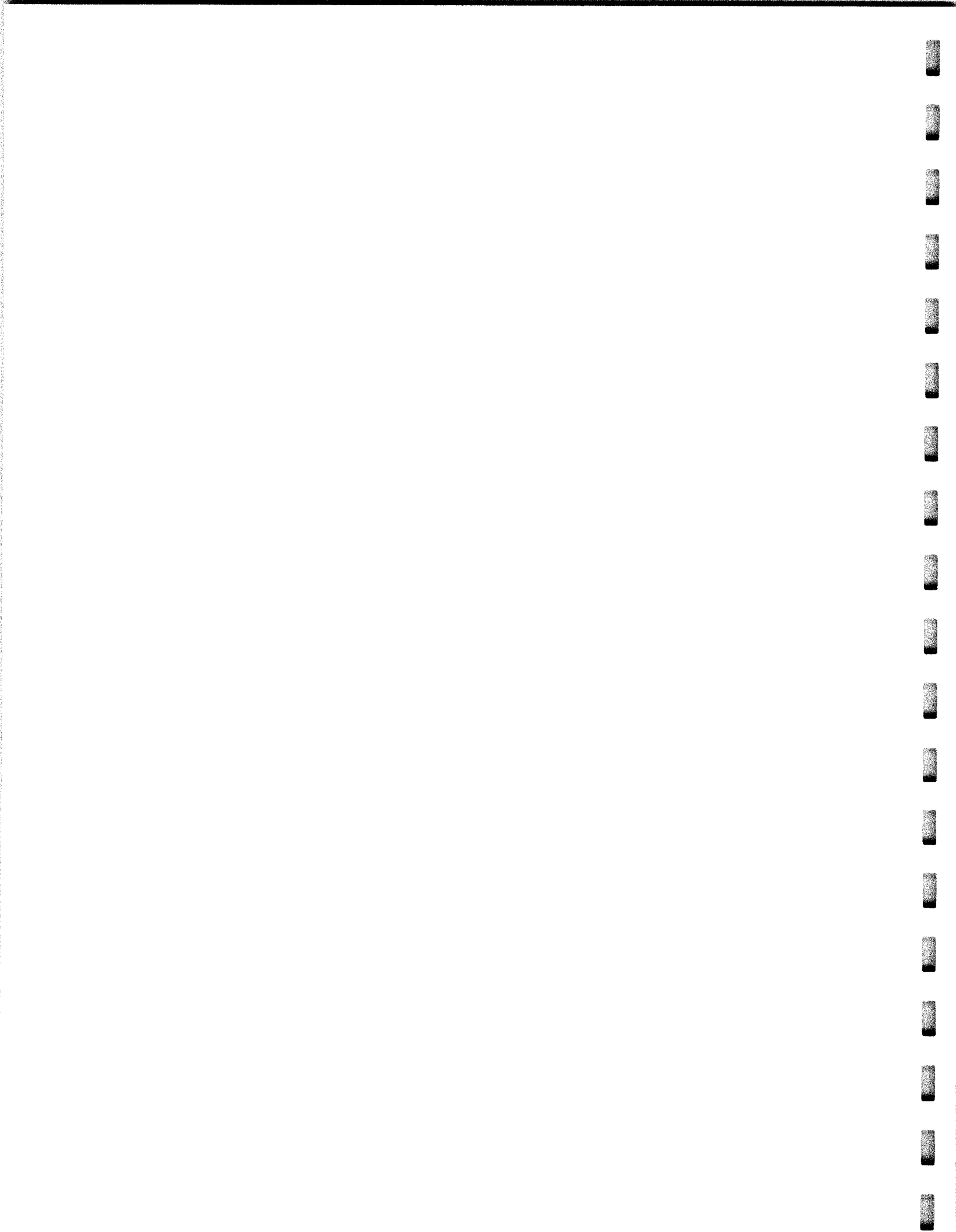
CND-19AAC AED-1
 BATTERY POWER UNIT
 PRODUCTION UNIT FOR RA-19AAB. INPUT:
 12 TO 24 VDC, 3.75 AMPS DC. OUTPUT:
 6.3 VOLTS 3.75 AMPS DC & 225 VOLTS
 45 MA DC.

12/1/42 FA2-WJ4 1B2
 MAR. 44 REV 0

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

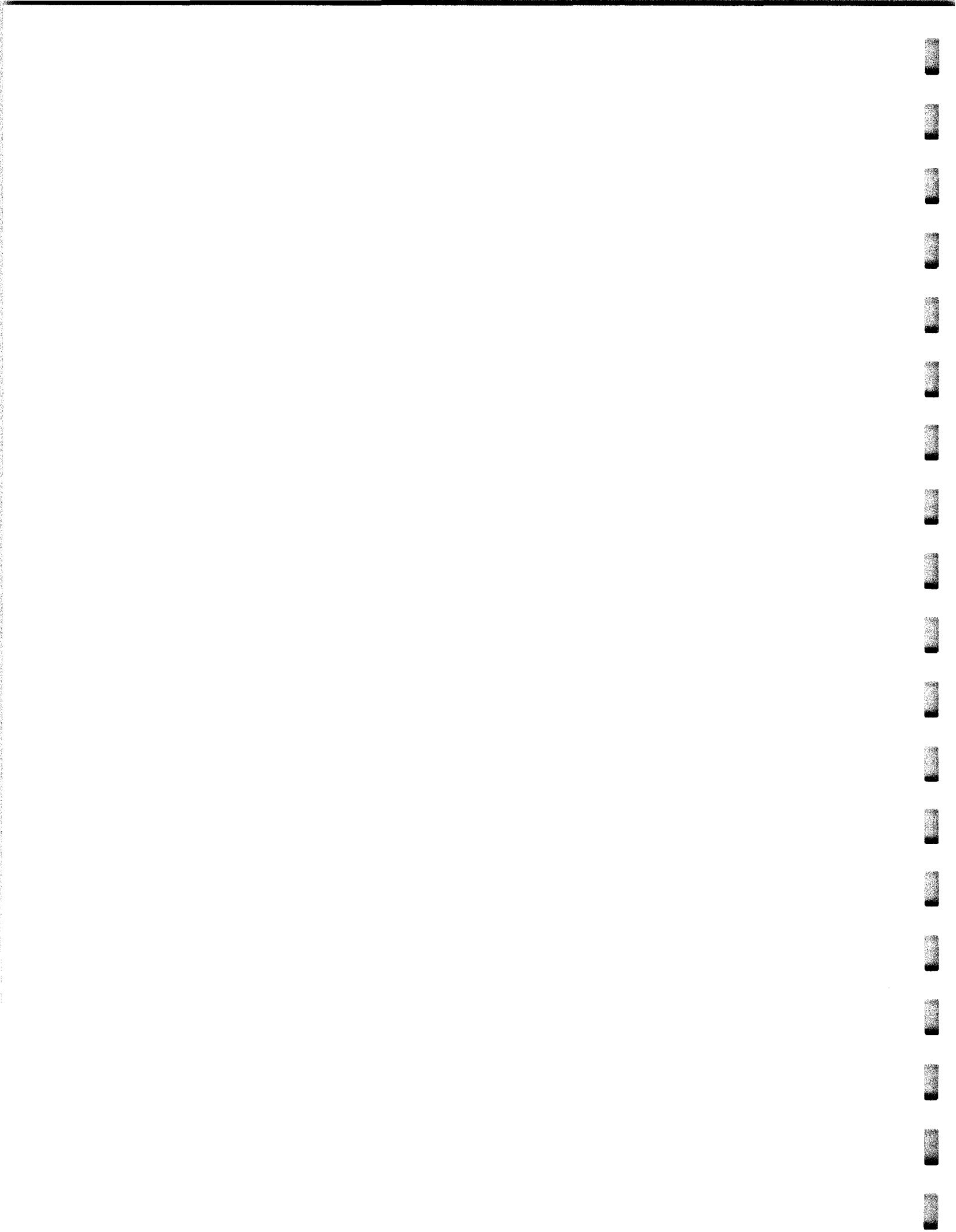
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Class 20—Electrical Machines

CLASS 20



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
CRR-20AAA	CXG	RECTIFIER UNIT 110 VOLT - SINGLE PHASE - 60 CYCLES IN- PUT. USES 1 - 3B180 TUBE FOR BIAS. USES 2 - 3B166 TUBES FOR PLATE.	CG-20AAH	BI	HIGH VOLTAGE RECTIFIER	CG-20AAD	MARK 5 (EXCXAZ)	RECT. POWER UNIT FOR CONTROL UNIT PART OF CG-20AAK. SUPPLIES POWER TO CG-23AAP. INPUT: 115/1/60 AND 930 WATTS. OUTPUT: 115/1/60 AT 2 AMPS AND 300/500 VDC AT .37.8 AMPS.
5/31/33 MAR. 44			8/25/41 MAR. 44			11/1/41 MAR. 44	CG:ML-7661712G1 CG:T-7661712 REV 3	
CW-20AAB	FA	HIGH VOLTAGE RECTIFIER PART OF CW-43AAA TRANSMITTER AND RECEIVER PART OF CW-43AAB (MODEL FB) TRANSMITTER AND RECEIVER.	CG-20AAJ	BI	LOW VOLTAGE RECTIFIER INPUT: 115 VOLTS, 2 AMPS, 60 CYCLES. OUT- PUT: 400 VOLTS, 125 MA DC AND 6.3 VOLTS, 11 AMPS, 60 CYCLES AC. 6.3 VOLT OUTPUT SEPARATED INTO TWO CIRCUITS ONE OF WHICH MAY BE ISOLATED FROM GROUND. SUPPLIES FILAMENT AND PLATE POWER FOR TYPE-50AAA 8/25/41 M-19J539 MAR. 44	CBB	FN & SJ	CZC-20AAQ REGULATED RECTIFIER POWER CONVERTER FOR RECEIVER AND CONTROL UNITS. INPUT: 115 VOLTS, SINGLE PHASE, 60 CYCLES. 115 LBS: 18 5/8" HIGH X 10 5/8" WIDE X 19" DEEP.
2/25/31 MAR. 44	D150182		8/25/41 MAR. 44			12/12/41 APR. 45	D-150317 BX-50084 ISS I ESX-749094	
CW-20AAB-1	FA-A	HIGH VOLTAGE RECTIFIER PART OF CW-43AAA-1. MOD. TO BE SAME AS CW-20AAF.	CR-20AA4		MODULATOR UNIT.	CZC20AAR	FN & SJ	HIGH VOLTAGE RECTIFIER POWER SUPPLY FOR RADAR TRANSMITTER. .100 LBS: 10 1/4" HIGH X 12" WIDE X 20" DEEP.
2/16/42 MAR. 44	D-150182					12/12/41 MAR. 44	D-150316 ESX748094	
CW-20AAC	FA	PLATE POWER RECTIFIER PART OF CW-55AAA INDICATOR DESK.	CG-20AAK	MARK 5 (EXCXAZ)	RECTIFIER POWER ASSEMBLY ASSEMBLY OF CG-20AAL CONTROL UNIT RECTIFIER, CG-20AAM INDICATOR RECTIFIER, CG-20AAN, CD. INDICATOR RECTIFIER AND CG-20AAO RECTIFIER POWER UNIT FOR CONTROL UNIT ON FLEXIBLY MOUNTED VERTICAL CHASSIS FULL DOORS ON BOTH FRONT AND REAR. IN- 11/1/41 CG:M-7466977 MAR. 44 REV 1	CBB 20AAR-1	SJ-1	HIGH VOLTAGE RECTIFIER SAME AS -20AAR EXCEPT HAS AN ADDED RESISTOR ACROSS ONE OF THE FILTER CHOKES TO REDUCE ANY OSCILLATION IN FILTER WHEN USED WITH CW-43AAF-1 RADAR TRANSMITTER- RECEIVER.
2/25/41 MAR. 44	D15D185		11/1/41 MAR. 44			2/25/43 MAR. 44	D-151516 BXX-12199 ISSUE 1	
CW20AAD	FA	OSCILLOSCOPE POWER RECTIFIER PART OF CW-55AAA INDICATOR DESK.	CG-20AAK		PWT: 115V/1/60.	CG-20AAS	SJ	VOLTAGE REGULATOR REGULATOR FOR CG-21AAS MOTOR-ALTERNATOR. (CONTROL UNIT)
2/25/41 MAR. 44	D150186					12/13/41 MAR. 44	KS5589	
CW-20AAE	FB	REGULATED RECTIFIER: SUPPLIES REGULATED POWER TO DETECTOR UNITS OF FB.	CG-20AAL	MK 5 (EXCXAZ) (MK 5 MOD 1)	RECTIFIER POWER UNIT FOR CONTROL UNIT PART OF CG20AAK SUPPLIES POWER TO CG23AAN INPUT: 115/1/60 AND 310 WATTS OUTPUT: 115/300/500V DC AT 1.0/3.0/-03 AMPS.	CG-20AAT	SJ	VOLTAGE REGULATOR REGULATOR (CONTROL UNIT) FOR CG-21AAT MOTOR ALTERNATOR.
5/15/41 MAR. 44	D150256	WN452	11/1/41 MAR. 44	CG:ML-7763853G1 CG:T-7763853 REV 3		1/2/42 MAR. 44	KS-5589	
CW-20AAF	FC	HIGH VOLTAGE RECTIFIER: PART OF CW-43AAC TRANSMITTER-RECEIVER PANEL.	CG-20AAM	MK 5 (EXCXAZ)	RECTIFIER POWER UNIT FOR INDICATOR PART OF CG20AAK. SUPPLIES POWER TO CG-55AAF AND CG55AAG INPUT: 115/1/60 AND 520 WATTS. OUTPUT: 7.5/7.5/10/10V AC AT 1/1/4/4 AMPS AND 350/2000V DC AT .45/.002	CW-20AAU	SH	POWER UNIT (RECTIFIER) MOUNTING FRAME FOR CZC-20AAV. (2) CZC-20AAM. CW-23ABD UNITS.
5/17/41 MAR. 44	D150182		11/1/41 MAR. 44	CG:ML-7661713G1 CG:T-7661713 REV 3		1/9/42 MAR. 44	D150465	
RA-20AAG	XAT(ASB)	RECTIFIER POWER UNIT	CG-20AAN	MK 5 (EXCXAZ) MK 5 MOD 1	RECTIFIER POWER UNIT FOR C.O. INDICATOR PART OF CG20AAK. SUPPLIES POWER TO CG55AAE AND CG55AAH. INPUT: 115/1/60 AND 415 WATTS. OUTPUT: 500/300/2000V DC AT .2/3/.002 AMPS AND 115/1/60 AT 1. AMP.	CZC-20AAV	-20AAU (SH)	HIGH VOLTAGE RECTIFIER SIMILAR TO CZC-20AAR BUT LESS MOUNTING CASE.
11/1/41 MAR. 44			11/1/41 MAR. 44	CG:ML-766174G1 CG:T-7661714 REV 3		1/9/42 MAR. 44	D150466	

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CZC 20AAV-1 MK 16 HIGH VOLTAGE RECTIFIER SAME AS -20AAU EXCEPT FOR ADDITION OF A BLEEDER RESISTOR AND OTHER MINOR CIRCUIT CHANGES.	12/20/43 MAR. 44		CPR-20ABD 08 RECTIFIER POWER UNIT SEE TYPE NUMBER FILES.	3/13/42 MAR. 44		CRY 20ABL ASB-4 RECTIFIER POWER UNIT INPUT: 115/1/600-1400. 4.0 AMP 425 WATTS OUTPUT: VOLTS: 6.4AC 115 AC 24 DC 260 DC 565DC 2000DC. AMPS: 8.0 2.4 0.095 0.095 0.045 0.0005.	5/8/42 MAR. 44	W1-17021 P-255210 SUB 2
CZC-20AAW -20AAU (SH) REGULATED RECTIFIER SIMILAR TO CZC-20AAQ BUT LESS MOUNTING FRAME.	1/9/42 MAR.44	D150467	CG-20ABE 8G RECTIFIER POWER UNIT INPUT: 110 TO 117 VOLTS ±10%. 60 OR 480 CYCLES, 311 WATTS. 94.3% POWER FACTOR, 2.85 AMPERES. SINGLE PHASE. WHEN THE FILAMENT POWER SWITCH IS IN OFF POSITION 68.4 WATTS. .59 AMPS AND 117 VOLTS IS SUPPLIED TO ENERGIZE HEATERS.	3/25/42 MAR. 44	DL-4W114A K-35J39	CRP 20ABW 5C RECTIFIER POWER UNIT (FOR MODULATION GENERATOR): INPUT: 115/1/60. .91 AMPS, 95 WATTS. 88% POWER FACTOR. OUTPUT: (1) 950 V DC AT 0.0022 AMPS AND 2.1 WATTS. (2) 340V DC AT .130 AMPS AND 44.2 WATTS.	4/23/42 MAR. 44	WX-3876
CG-20ZAX 81-1 HIGH VOLTAGE RECTIFIER INPUT: 115 VOLTS, 2.0 AMPS. 60 CYCLES AC OUTPUT: 8000 VOLTS AND 8.0 MA. DC. SUPPLIES POWER TO -52AAP TRANSMITTER.	1/27/42 MAR. 44	W-19J534	RW-20ABF 8H RECTIFIER POWER UNIT INPUT: 110/1/60. 5 AMPS.	3/28/42 MAR. 44		CRP 20ABW 5C RECTIFIER POWER UNIT (FOR RADAR RECEIVER): INPUT: 115/1/60. 1.3 AMPS, 140 WATTS AND 92% PF. OUTPUT: 300/110/240/246/5.2 V DC AT .055/.05/.025/.0074/.0082 AND 16.5/5.5/6.0/1.82/.043 WATTS; ALSO 6.4/1/60 AT 0.9 AMPS AND 5.8 WATTS.	4/23/42 MAR. 44	WX-3880
CRY 20AAT ASA DECONTAMINATOR UNIT VACUUM TUBE REJUVENATOR.	1/29/42 MAR. 44	P-720853 SUB 0	CCD-20ABG MARK 9 REGULATED RECTIFIER (POWER SUPPLY (REGULATED) MARK 6 MOC 0): INPUT: 115/1/60. 6 AMP. 525 WATTS. OUTPUT: 300 VOLTS 1.2 AMPS DC. (MADE BY CCO AND CWF ON MK 19)	4/1/42 APR. 45	CH:D-150476 CH:BX-21950 ISSUE 1	CG-20ABG MK 5 MOD 1 RECTIFIER POWER UNIT FOR COMPARATOR CONTROL UNIT: OPERATES FROM 115/1/60---AMP---WATTS. OUTPUT: 300V DC AT 200 MA; 350 V AC AT 600 MA; 115V AC AT 2 AMP; 6.3V AC AT 8 AMP.	5/27/42 MAR. 44	ML-7662074-G1 T-7662074
CAT-20AAZ ASB-1 RECTIFIER POWER UNIT 120/1/800	2/4/42 MAR. 44	CAY:P-7709062 REV 0	CGH 20ABG-1 MK 29 MOD 1 REGULATED RECTIFIER INPUT: 115/1/60, 6 AMPS, 525 WATTS. OUTPUT: 300 VOLTS @ 1.2 AMPS DC. SAME AS -20ABG EXCEPT FOR ADDITION OF A CAPACITOR.	7/31/44 OCT. 44		CG-20ABP MK 5 MOD 1 RECTIFIER POWER ASSEMBLY CONSISTS OF CABINET AND THE FOLLOWING: CG-20AAL,CG-20ABO,CG-53AA. *(GE TYPES: T-7661746-1;ML-7662078-G1; ML-7763853-G1;ML-7661714-G1;ML-7662074-G1;ML-7662094-G1). 5/27/42 *SEE ABOVE MAR. 44	5/27/42 MAR. 44	ML-7662074-G1 T-7662074
CAY 20ABA ASB-2 RECTIFIER POWER UNIT INPUT: 115/1/600 TO 1400 AT 3 AMPS. 345 WATTS. OUTPUT: 1950 VOLTS DC .0005 AMPS. 275 VOLTS DC 0.1 AMPS 375 VOLTS DC .045 AMPS 6.3/1/600 TO 1400, 3.3 AMPS 115/1/600 TO 1400 1.7 AMPS.	2/4/42 MAR. 44	P-7709062 REV 0	CM-20ABH MARK 9 HIGH VOLTAGE RECTIFIER INPUT: 80-115/1/60 4.6 AMPS 445 WATTS. OUTPUT: 950-1300 VOLTS 0.25 AMPS DC.	4/1/42 MAR. 44	CH:D-150515	CM-20ABQ ASC REGULATED RECTIFIER POWER UNIT INPUT: 110/1/400. OUTPUT: 300VDC (10)	6/6/42 MAR. 44	G-150505 ESR-690275 ISSUE 1
CJP-20ABB ASB-3 RECTIFIER POWER UNIT	2/4/42 MAR. 44	P-7708601 SUB 0	CM-20ABJ MARK 9 RECTIFIER POWER UNIT INPUT: 115/1/60 0.2 AMPS 20 WATTS. OUTPUT: 472 VOLTS 0.0006 AMPS DC. FOR TRAIN AND ELEVATION GENERATOR.	4/1/42 MAR. 44	CH:D-150514	CG-20ABR ASC VOLTAGE REGULATOR PROVIDES FOR CONTROL OF OUTPUT VOLTAGE OF THE TYPE CM-21ABV MOTOR ALTERNATOR UNIT. *ESO-749477, ISSUE 1. ESO-686267 ISSUE 2	6/8/42 APR. 45	KS-5948 *SEE ABOVE LIST 01
CRY 20ABC ASB RECTIFIER POWER UNIT THE RECTIFIER POWER UNIT CONTAINS SUITABLE CIRCUITS TO SUPPLY THE NECESSARY VOLTAGE AND CURRENTS TO THE RADIO TRANSMITTER, THE ANTENNA SWITCHING UNIT, AND RADIO RECEIVER, AND RANGE INDICATORS.	2/11/42 MAR. 44	P-255009 SUB 1	CPN-20ABK CX8G RECTIFIER POWER SUPPLY	4/3/42 MAR. 44		CM 20ABS ASC HIGH VOLTAGE RECTIFIER INPUT: 115/1/400 OUTPUT:	6/10/42 MAR. 44	D150509 ESX1-687475

Class 20—Electrical Machines

5.20-3

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		
CRY 20ABT	MK 6 RADAR		CG-20ACA	SM						
RECTIFIER POWER UNIT (FOR INDICATOR UNIT): INPUT: 117/1/60, 2 AMP. SUPPLIES POWER FOR TYPES CRY-55ABZ C.O. INDICATOR, TYPE CRY-55ABW RANGE INDICATOR, TYPE CRY-55ABX TRAIN INDICATOR AND TYPE CRY-55ABY ELEVATION INDICATOR.			AUX. POWER UNIT SEE TM FILES.					CMD-20ACH		
	7/10/42	MAR. 44		3/16/43	DL4W182A			TYPES.		
CRY-20ABU	MARK 6 RADAR REGULATED RECTIFIER	INPUT: 117/1/60, 450 WATTS.	CDY-20ACB	SM						
	7/11/42	MAR. 44						CMD 20ACH-1 YJ-1		
								RECTIFIER POWER UNIT OPERATES FROM 115 OR 230, 50 TO 60 CYCLES, SINGLE PHASE. SUPPLIES POWER TO NAVY TYPES CMD-43ABW-1 OR CMD-43ABX-1 OR A COMBINE OF ONE EACH. ALSO CONTAINS VIDEO AND DETECTOR CIRCUITS FOR THE ABOVE NAVY TYPES. SIMILAR TO CMD-20ACH 9/15/43 JULY 44		
CRR-20ABY	ASB-5		CM-20ACC	MK 12				CMD 20ACH-1		
RECTIFIER POWER UNIT (FROM TYPE CRR-23ACP CONTROL UNIT) 115/1/600-1400, 3.3 AMP. OUTPUT: (TO TYPE CRR-52ABL RADAR TRANSMITTER) 115/1/600-1400, 1.85 AMP; (TO TYPE CRR-46AB0 RADAR RECEIVER) 6.3/1/600-1400, 4 AMP. AND 275 VDC AT 100MA; (TO TYPE CRR-14AAG			POWER SUPPLY ASSEMBLY INCLUDES ONE TYPE -50ACS MODULATOR ONE TYPE -20ACD H.V. RECTIFIER, AND ONE TYPE -20ACE REGULATOR RECTIFIER.					EXCEPT FOR IMPROVED DESIGN-MAY BE USED IN PLACE OF CMD-20ACH. INCLUDES 2 ADDITIONAL 6SN7 GT TUBES.		
	7/13/42	MAR. 44		3/31/43	D-150922					
								BR-11296		
								ISSUE 1		
CRR20ABY			CM-20ACD	MK 12				CMD 20ACH-2		
ANTENNA SWITCH UNIT) 115/1/600-1400, 0.12 AMP; (TO TYPE CRR-55ACB RADAR INDICATOR) 6.3/1/500-1400, 3.3 AMP AND 375V DC AT 50 MA, AND 2000V DC AT .53 AMP.			HIGH VOLTAGE RECTIFIER (POWER SUPPLY (REGULATED) MARK 8 MOD 0); (SEE TM FILES)					RECTIFIER POWER UNIT MECHANICALLY & ELECTRICALLY SIMILAR TO -20ACH & -20ACH-1 EXCEPT FOR ADDITION OF SUPPRESSION CIRCUITS, A 6SN7GT TUBE, & MODIFICATION OF CONTROL PANEL TO INCLUDE CONVENIENCE POWER OUTLET, INDICATOR LAMP, & 2 EXTERNAL SUPPRESSION INPUT 8/8/44 CHZ:SA-7551 OCT. 44		
	12/12/42	MAR. 44		3/31/43	D-150915					
								BR-11298		
								ISSUE 1		
CPN 20ABW	CXCT		CM-20ACE	MK 12				CMD 20ACH-2		
RECTIFIER POWER SUPPLY INPUT: 115/1/60, 2.65 AMPS, 275 WATTS. OVERALL DIMENSIONS 8 3/4" HIGH, 19" WIDE 13" DEEP.			REGULATED RECTIFIER (POWER SUPPLY (REGULATED) MARK 8 MOD 0); (SEE TM FILES)					RECEPTACLES.		
	12/12/42	MAR. 44		3/31/43	D-150916					
								BR-11299		
								ISSUE 1		
CJP 20ABX	ASB-6		CM-20ACF	MK 12				CMD 20ACH-2		
RECTIFIER POWER UNIT ELECTRICALLY AND MECHANICALLY INTER-CHANGEABLE WITH CJP-20ABB, BUT HAS DIFFERENT COMPONENTS.			INDICATOR POWER UNIT (POWER SUPPLY (INDICATOR) MARK 9 MOD 0); (SEE TM FILES)					-20ACJ MK 8, MOD 2 REGULATED RECTIFIER		
	12/29/42	MAR. 44		3/31/43	D-150907			CANCELLED		
								10/10/43		
								CM-D-152005		
								MAR. 44		
CM-20ABY	MK 16		CHZ-20ACG	USE WITH SM				CAES-20ACK MK 22		
POWER UNIT SAME AS CM-20AAU EXCEPT FOR LARGER TERMINAL TUBE FOR ONE CABLE. CONSISTS OF TYPE CZC-20AAV H.V. RECTIFIER, TWO TYPE CZC-20AAW REGULATED RECTIFIERS, AND A TYPE CM-25ABD ANTENNA MOTOR CONTROL UNIT. ALL MOUNTED IN A CABINET.			IFF COORDINATION RECTIFIER POWER UNIT (SEE SM JACKET)					REGULATED RECTIFIER INPUT: 115/1/400, 2.3 AMPS. OUTPUT: +300V DC AND -370V DC. SUPPLIES REGULATED PLATE VOLTAGES TO ALL LOW VOLTAGE TUBES IN MARK 22 SYSTEM.		
	2/11/43	MAR. 44		4/16/43	MAR. 44			12/6/43		
								D-151704		
								DEC. 44		
								RD-13630		
								ISSUE 2		
CG-20ABZ	SM		CM 20ACH	YJ				CAES-20ACL MK 22		
MAIN POWER UNIT SEE TM FILES.			RECTIFIER POWER UNIT OPERATES FROM 115 OR 230 VOLTS, 50 TO 60 CYCLES, SINGLE PHASE. SUPPLIES POWER TO TWO NAVY TYPES CMD-43ABW OR CMD-43ABX OR A COMBINE OF ONE EACH. ALSO CONTAINS TIME SHARING CIRCUITS, CODING MECHANISM, AND CONTROL PANEL FOR THE ABOVE NAVY					HIGH VOLTAGE RECTIFIER INPUT: 115/1/400, 0.25 AMPS. OUTPUT: +4900V DC (TO INDICATOR UNIT) -1000V DC (TO TR 80X IN TRANSMITTER-RECEIVER UNIT) AND -125V DC (BIAS FOR CATHODE RAY TUBE IN INDICATOR UNIT)		
	3/16/43	MAR. 44		4/10/43	DEC. 44			12/6/43		
								D-151705		
								DEC. 44		
								RD-13631		
								ISSUE 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

CONFIDENTIAL

NAVSHIPS 900,109

5.20-4

Class 20—Electrical Machines

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
CRP 20ACM SO-7M			CBB- 20ACT MARK 8, MOD 2			CLU- 20ACZ WAS		
RECTIFIER & JUNCTION BOX CONSISTS OF JUNCTION BOX, TIME DELAY RELAY AND RECTIFIER TO SUPPLY VOLTAGE FOR ANTENNA DRIVE MOTOR. SUPPLY: 115/1/60 OUTPUT: 115V DC.			HIGH VOLTAGE RECTIFIER SAME AS -20AAR-1 EXCEPT DOOR-SWITCH RELAY HAS BEEN REMOVED. INPUT RATING IS 90V AC AND 2.3 AMPS. OUTPUT RATING (OPE-RATING IS 1200V DC AND 0.160 AMPS).			RECTIFIER POWER UNIT: INPUT 115/1/60.		
12/7/43 RX-1039	M-22L-U23		3/10/44 D-152219	CH:8X-20406		4/26/44		
MAR. 44	SUB A		APR. 45	ISS 4		OCT. 44		
CRP 20ACM SO-11.12M			CRP 20ACU SO-12M, M			CRP- 20ADA *SEE BELOW		
RECTIFIER & JUNCTION BOX CONSISTS OF JUNCTION BOX, RELAY AND REC-TIFIER TO SUPPLY VOLTAGE FOR ANTENNA DRIVE MOTOR. SUPPLY: 115/1/60, OUTPUT: 115 V DC. SAME AS -20ACM EXCEPT RELAY IS NOT OF TIME DELAY TYPE.			RECTIFIER POWER UNIT SUPPLY: 115/1/60, DC OUTPUT: 300 V, 50 MA REGULATED; 300V, 50 MA REGULATED; 300V, 55 MA UNREGULATED; 105V, 75 MA UN-REGULATED; 26V, 2 AMPS (AFTER A 1 MINUTE TIME DELAY); -23V, 1.7 MA REGULATED; -105V, 20MA REGULATED AND -255V, 10MA			AUXILIARY RECTIFIER: SUPPLY: 115/1/60, OUTPUT: 24 VOLTS DC AT 2 AMPS. CASE IS DESIGNED FOR BULKHEAD MOUNTING AND IS OF DRIPPROOF CONSTRU-CTION.		
12/7/43 RX-1128	M-22L-U23		3/17/44 RX-1058	M36F-W8, SUB A		*ASSECCORY FOR VF		
MAR. 44	SUB A		MAR. 44	H-9F-W2, SUB A		5/30/44 RX-1251	M-60A-W7	
						OCT. 44	SUB A	
CRP 20ACO SO-11			REGULATED.	CRP 20ACU		CAOV- 20ADB TEA		
RECTIFIER POWER UNIT:						RECTIFIER POWER UNIT: SUPPLIES: 440/3/60, 4000 WATTS PER PHASE; 115/3/60, 500 WATTS PER PHASE AND 115/1/60, 100 WATTS. OUTPUTS: 4000V DC AT 1 AMP, 300V DC AT 250 MA, 150V DC AT 25 MA, -150V DC AT MA AND 700 VOLTS DC AT 50 MA.		
12/7/43 WX-5246	M-34F--X1					7/1/44		
MAR. 44	SUB A					OCT. 44		
CDY- 20ACP SP			CRP 20ACY SO-9			GCH- 20AOC MK 29 MOD 2		
HV POWER UNIT INPUT: 115/1/60, 1 AMPS. OUTPUT: 7400 VOLTS @ 0.001 AMPS (TO-55AES PLAN POSITION INDICATOR) 2000VDC @ 0.004 AMPS -2000VDC @ 0.004 AMPS, 6.3/1/60 @ 2 AMPS (TO -55AEU INDICATOR UNIT) AND -2000VDC (TO -55AEV PRECISION ALIGNMENT UNIT).			RECTIFIER POWER UNIT INPUT: 115/1/400, DC OUTPUTS: 105 VOLTS AT 75 MA, 240 VOLTS AT 20 MA, -255 VOLTS AT 25 MA AND -360 VOLTS AT 5 MA.			DIRECTOR INDICATOR POWER SUPPLY: SUPPLY: 115/1/60. INCLUDES TRANSFORMER, RECTIFIERS, SWEEP GENERATOR AND VIDEO AMPLIFIER. PROVIDES NECESSARY VOLTAGE FOR OPERATION OF -55AFU DIRECTOR INDICATOR UNIT.		
12/28/43 CG-DL-4W384A			4/7/44 WX-54T2	M-24F-W8		7/31/44		
MAR. 44			OCT. 44	SUB B		OCT. 44		
CG- 20ACQ SP			CM- 20ACM MARK 13			CABM-20ADD VF(ACCESSORY)		
MAIN POWER UNIT INPUT: 115/1/60, 6 AMPS. OUTPUT: 445VDC @ 0.8 AMP AND 345VDC @ 0.15 AMPS. CON-SISTS OF A POWER TRANSFORMER AND TWO SEPARATE RECTIFIER AND FILTER SYSTEMS.			RECTIFIER CABINET ASSEMBLY CABINET CONTAINING RECTIFIERS NECESSARY TO SUPPLY -300V DC, 1200V DC, 450V DC, 120V DC, 300V DC AND -2500V DC REQUIRED BY THE MARK 13 EQUIPMENT. EACH RECTIFIER FURNISHED AS A SUBASSEMBLY OF THE CABINET.			AUXILIARY RECTIFIER: SUPPLY: 115/1/60, OUTPUT: 24 VOLTS DC @ 1.6 AMPS MAXIMUM. POWER CONSUMPTION 60 WATTS. CASE IS DESIGNED FOR BULKHEAD MOUNTING AND IS OF DRIPPROOF CONSTRU-CTION. SIMILAR TO CRP-20ADA EXCEPT IS SMALLER AND HAS DIFFERENT MOUNTING DI-MENSIONS.		
12/28/43 DL-4W358A			4/12/44 D-152172			8/1/44 RX-1283	M26A26-W1505	
MAR. 44			OCT. 44			DEC. 44	SUB. A	
CG- 20ACR SP			CRV- 20ACX MK 26 MOD 5					
AUXILIARY POWER UNIT INPUT: 445VDC, 0.8 AMPS AND 330VDC, 0.15 AMPS. OUTPUT: 300VDC @ 0.6 AMPS, 200VDC @ 0.2 AMPS -150VDC @ 0.03 AMPS -150VDC @ 0.03 AMPS, -105VDC @ 0.03 AMPS, -105VDC @ 0.03 AMPS AND -210VDC @ 0.03 AMPS.			RECTIFIER POWER UNIT: A HALF WAVE RECTIFIER CONSISTING OF A TRANSFORMER, A 3824 TUBE AND A 0.1 MFD FILTER CAPACITOR MOUNTED ON A SMALL CHASSIS. INPUT: 115/1/60, OUTPUT: 950 VOLTS 0 MA FOR IGNITING GAS TUBE AND 510 VOLTS WITH 0.2 MA NORMAL OPERATING					
12/29/43 DL-4W349A			4/17/44 P-721994-501	P-727235-1				
MAR. 44			OCT. 44	SUB 0				
CM- 20ACS MK 8, MOD 2						CAEG- 20ADE SO 12 M/M		
INTENSIFIER RECTIFIER SUPPLIES 2000V DC TO INTENSIFIER OF CATHODE RAY TUBE OF THE -55AFG CONTROL INDICATOR DOOR SWITCH RELAY FOR EQUIP-MENT ALSO MOUNTS IN THIS UNIT. INPUT RATING IS 120V AC AND 0.23 AMPS. OUTPUT RATING IS 1800V DC AND 0.0005 AMPS WITH			CURRENT.	CRV- 20ACX		RECTIFIER POWER UNIT: SUPPLY: 115/1/60, DC OUTPUTS: 300V, 50MA REGULATED; 300V, 50 MA REGULATED; 300V, 55 MA UNREGULATED; 105V, 75 MA UNREGU-LATED; 26V, 2 AMPS (AFTER A 1 MINUTE TIME DELAY); -23V, 1.7 MA REGULATED; -105V, 20 MA REGULATED AND -255V, 10 MA		
3/10/44 D-152152	BX-50081					8/1/44 RX-1306	M-36F-W29	
APR. 45	ISS 1					OCT. 44	SUB A	
A LOAD OF 4 MEGOHMS.	CM-20ACS		CAY- 20ACY SR			CAEG- 20ADE		
			RECTIFIER POWER UNIT: INPUT: 115/1/60 - INCLUDES RECTOX REC-TIFIER AND SWITCHING CONTACTORS. OUTPUT DRIVES SERVO GENERATOR. A PART OF THE TYPE -50AEB ROTATION CONTROL UNIT.			REGULATED. SAME AS CRP-20ACU EXCEPT THAT DOOR AND HINGE STAYS ARE REMOVED.		
			4/20/44	T-7613003				
			OCT. 44	SUB 0				

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CW-20ADF MK 13, MOD 0			CBB MK 8 MOD 3			CAVG-20ADQ		
RECTIFIER POWER UNIT: OPERATES FROM 115V, 1 PHASE 60 CYCLES. OUTPUT -300 VOLTS DC AT 40 MILLIAMPERES. POWER DISSIPATION 20 WATTS. MOUNTED ON CHASSIS WHICH CAN BE PLUGGED IN TYPE -20ACW RECTIFIER CABINET ASSEMBLY:			CZC-20ADM HIGH VOLTAGE RECTIFIER POWER SUPPLY FOR NAVY TYPE -43ACU RADAR TRANSMITTER-RECEIVER. RESISTOR ADDED ACROSS ONE OF FILTER CHOKES REDUCES ANY OSCILLATIONS. SIMILAR TO TYPE -20ACT EX- CEPT IT INCLUDES HIGH VOLTAGE METERING			MARK 57.		
9/5/44 D-152173 CW-21246 OCT. 44 ISSUE 1			9/15/44 D-152545 BX-50065 APR. 45 ISS 1					
CW-20ADG MK 13, MOD 0			CBB CZC-20ADM SHUNTS FOR MEASURING CURRENT AND VOLT- AGE. POWER DISSIPATION: 50 WATTS STAND BY AND 85 WATTS IN OPERATION. INPUT: 115V RMS AND 3 AMPS. OUTPUT: 1200V DC & 0.160 AMPS.			CW-20ADR *SEE BELOW RADAR UNIT ASSEMBLY MARK 2 MOD 1: CONSISTS OF -20ACE REGU- LATED RECTIFIER IN THE -20ACC POWER SUP- PLY ASSEMBLY.		
9/5/44 D-152174 BX-21246 OCT. 44 ISSUE 1						*RADAR TRAINER MK 2 MOD 0 12/22/44 D-153088 FEB. 45		
CW-20ADH MK 13, MOD 0			CW-20ADM SY REGULATED RECTIFIER OPERATES FROM 115/1/60 AND SUPPLIES REG- ULATED +300 VOLTS DC AT 1000 MILLIAMPS AND REGULATED +150 VOLTS DC AT 70 MIL- LIAMPERES. UNIT IS SHOCK MOUNTED. POWER DISSIPATION 160 WATTS.			CW-20ADS UP POWER SUPPLY BAY (24 VOLT) INPUT 115 OR 230/1/50 TO 60. INCLUDES CAPACITORS COILS, RELAYS WITH FOLLOWING UNITS. 1CW-10458, 3CW-20563, 1CW-28028, AND 1CW-62194.		
9/5/44 D-152175 BX-21246 OCT. 44 ISSUE 1			11/16/44 D-152301 BX-23834 FEB. 45 ISS 2			1/18/45 X-66707A-1 X-66707A-1 FEB. 45 LIST 1 R & RU ISS 3		
CW-20ADI			CW-20ADO SY AUXILIARY RECTIFIER OPERATES FROM 115/1/60 AND SUPPLIES: 500 VOLTS AT 300 MA; 125 VOLTS AT 300 MA; -900 VOLTS AT 2 MA; -650 VOLTS AT 1 MA; -600 VOLTS (REGULATED) AT 5 MA; -300 VOLTS (REGULATED) AT 20 MA; -150 VOLTS (REGULATED) AT 5 MA. UNIT HAS			CW-20ADT UP POWER SUPPLY BAY (130 VOLT) INPUT: 115 OR 230/1/50 TO 60. INCLUDES ALARM RELAYS, BELL STEPDOWN TRANSFORMER AND THE FOLLOWING UNITS: 1CW-10458, 1CW-10459, 1CW-20364, 1CW-20365, 2CW- 20366, 1CW-62195.		
NOT TO BE ASSIGNED.			11/16/44 D-152586 BX-23834 FEB. 45 ISS 2			1/18/45 X-66707B-1 X-66707B-1 MAR. 45 LIST 1 RU ISSUE 2		
OCT. 44								
CW-20ADJ MK 13, MOD 0			CW-20ADO SHOCK MOUNTING. POWER DISSIPATION 200 WATTS.			CW-20ADV SR-5 RECTIFIER POWER UNIT INPUT: 115/1/60. INCLUDES RECTOX REC- TIFIER AND SWITCHING CONTACTORS. OUTPUT DRIVES SERVO GENERATOR. A PART OF TYPE -50AGE ROTATION CONTROL UNIT. SAME AS TYPE -20ACV EXCEPT FOR CHANGES IN INTER- NAL WIRING.		
9/5/44 D-152176 BX-21246 OCT. 44 ISSUE 1						1/29/45 7817075 T-7613003 MAR. 45 G2 SUB 0		
CW-20ADK MK 13, MOD 0			CW-20ADP SY MOTOR CONTROL RECTIFIER OPERATES IN CONJUNCTION WITH TYPE CW- 21ADD MOTOR CONTROLLER UNIT AND TYPE CW- 21ADC ANTENNA DRIVE MOTOR. STANO BY CIR- CUITS IN THIS UNIT OPERATE FROM 115/1/60 AND OPERATE CIRCUITS OBTAIN 0 TO 135V. 60 CYCLES FROM TYPE CW-23AGE MOTOR COM-			CAUD-20ADV *SEE BELOW RE13A1068 POWER SUPPLY (BEACON) MARK 12 MOD 0: CONSISTS OF THREE 2-VOLT 25 AMP-HR. BATTERIES CONNECTED IN SERIES TO SUPPLY 6 VOLTS. BATTERIES LEAKPROOF, WILLARD TYPE ER-25C ENCLOSED IN WATER- TIGHT CASE. *MARK BEACON MARK 2 MOD 1 2/7/45 MAR. 45		
9/5/44 D-152177 BX-21559 OCT. 44 ISSUE 1			11/16/44 D-152804 BX-23834 FEB. 45 ISS 2					
CW-20ADL MK 13, MOD 0			CW-20ADP TROLLER UNIT. RECTIFIER SUPPLIES FIXED VOLTAGE OF 250 VOLTS DC AT 250 MA FOR MOTOR FIELD AND CONTROL RELAY, AND A VARIABLE VOLTAGE OF 0 TO 250V DC. DE- PENDENT ON AC INPUT FROM MOTOR CONTROL- LER AT 5.5 AMPS FOR MOTOR ARMATURE. PO- WER DISSIPATION 225 WATTS.			CW-20ADW SS HIGH VOLTAGE RECTIFIER INPUT: 115/1/60. OUTPUT: 1500V DC AT MAXIMUM CURRENT OF 0.5 AMPS. PROVIDES HIGH VOLTAGE FOR OPERATION OF TYPE CW- 43ADF RADAR TRANSMITTER-RECEIVER. SECON- DARY WINDING OF PLATE POWER TRANSFORMER IS TAPPED SO THAT OUTPUT VOLTAGES MAY BE 2/26/45 D-152300 BX-23834 MAR. 45 ISSUE 4		
9/5/44 D-152178 BX-21559 OCT. 44 ISSUE 1								
CW-20ADM MK 13, MOD 0			CAVG-20ADQ MK 34 MOD 3 & 4 POWER SUPPLY MARK 5 MOD 0 SUPPLY: 115/1/60. PROVIDES 300V DC AND FILAMENT VOLTAGES FOR TYPE -50AFS RADAR AMPLIFIER (INDICATOR) MARK 8 MOD 0 AND TYPE -55AGA RADAR INDICATOR (CONTROL) MARK 2 MOD 0. MOUNTS IN ALUMINUM HOUSING ON A LEFT HAND SIDE OF YOKE FOR DIRECTOR			CW-20ADW ADJUSTED TO LOWER VALUE, FOR NORMAL OPERATION ABOUT 1250 VOLTS. UNIT IS SHOCK MOUNTED BY ELEMENTS WHICH SUPPORT IT IN OUTER FRAME.		
9/5/44 D-152178 BX-21559 OCT. 44 ISSUE 1			12/13/44 D-152987 BX-50413 APR. 45 ISS 5					

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-20ADX SS			CHC-20AEC SX			CG-20AEG MARK 36 MOD		RE 13A1102A
SERVO POWER UNIT INPUT: 115/1/60. CONSISTS OF 300V RECTIFIER AND 2 D-152304 SERVO AMPLIFIERS. SUPPLIES MAIN PLATE VOLTAGE FOR AMPLIFIER UNIT SO THAT ONLY A SMALL AMOUNT OF REGULATED 300 VOLT SUPPLY IS REQUIRED FROM AN EXTERNAL SOURCE. EACH SERVO 2/26/45 D-152303 BX-23834 MAR. 45 ISSUE 4			RECTIFIER POWER UNIT: INPUT: 115/1/60. 910 WATTS. OUTPUT: 425 VOLTS AT 1.2 AMPS AND -405 VOLTS AT 0.25 AMPS. HAS A 3 1/2" PANEL METER WHICH READS POSITIVE CURRENT; 2 PANEL ON-OFF SWITCHES & INDICATOR LAMPS FOR FILAMENTS & PLATES. ALSO INCLUDES BATTLE 3/20/45 CG-4MC42A1 APR. 45			POWER SUPPLY (LOW VOLTAGE) MARK 15 MOD 1: INPUT: 115V AC, 400 CYCLES, 5.5 AMPS. OUTPUT: +300V DC AT 0.7 AMPS; -250V DC AT 0.075 AMPS. COMPOSED OF AN ANGLE IRON FRAMEWORK OR RACK ON WHICH IS MOUNTED CHASSIS CONTAINING TWO FULL-WAVE RECTIFIERS, NE- 4/4/45 8239422G1 MAY 45		

CM-20ADX AMPLIFIER CAPABLE OF OPERATING WITH 1 AND 36 SPEED SYNCHRO INPUTS & PROVIDES NECESSARY OUTPUT POWER TO DRIVE A CDA-211052 DIEHL LOW INERTIA MOTOR. UNIT IS SHOCK MOUNTED BY ELEMENTS WHICH SUPPORT IT IN OUTER FRAME.	CHC-20AEC SHORT SWITCH & INDICATOR LAMP FOR ITSELF AND OTHER UNITS. HAS TUBE-LIFE METER ON PANEL.	CG-20AEG NECESSARY FILTERS, AND SERIES DROPPING TUBE TYPE OF OUTPUT VOLTAGE REGULATORS WITH THE REQUIRED AMPLIFIER AND VOLTAGE REGULATOR COMPARISON TUBES, AND THE NECESSARY FUSES. METER LIGHTS & SWITCHES FOR FACILITATING LINE-UP AND SERVICING.
CBM-20ADY MK 39, MOD 0&1 RADAR POWER SUPPLY MK 11 MOD 0 SUPPLIES NEGATIVE & POSITIVE DC VOLTAGE TO TYPES CBM-55AGW, CBM-23AGT, CBM-55AGY AND TRAIN & ELEVATION CIRCUITS. INCLUDES CIRCUITS FOR PROVIDING AGC AND TRAIN & ELEVATION INFORMATION TO CBM-55AGW AND CBM-55AGY. PART OF TYPE CBM-55AGX RADAR 3/1/45 1074 MAR. 45	CG-20AED SX AUXILIARY POWER UNIT: INPUT: 115/1/60. 100 WATTS; +425V, 1.6 AMPS; -403V, 115 MA. OUTPUT: +425 WATTS AT 500 MA; +300 VOLTS ELECTRONICALLY REGULATED AT 1 AMP TOTAL AVAILABLE THROUGH 9 FUSED OUTPUT TERMINALS; +150 VOLTS ELECTRONICALLY REGULATED AT 70 MA 3/20/45 APR. 45	CKV-20AEH OCY RECTIFIER POWER UNIT: SUPPLY: 115/1/60. OUTPUT: 1000V DC AT 150 MA, 350V DC AT 500 MA, 28V DC AT 2 AMPS AND 6.3 VOLTS AT 15 AMPS. SAME AS PP-92A/SPT-6 EXCEPT FOR CHANGE IN RESISTORS WHICH PERMITS A PEAK PULSE OF 1500V DC. 4/16/45 MAY 45

CBM-20ADY CONSOLE MARK 39 MOD 0.	CG-20AED TOTAL AVAILABLE THROUGH 2 FUSED OUTPUT TERMINALS; -150 VOLTS AT 28 MA VR TUBE REGULATED. -300V AND/OR -150V AT 23 MA TOTAL VR TUBE REGULATED; 105V AT 29 MA VR TUBE REGULATED. TWO 3 1/2" PANEL VOLTMETERS MONITOR & 300V AND +150V. THE +300 & +150V REGULATOR AND ADJUSTED BY SCREWDRIVER CONTROLS ON PANEL.	-20AEI DO NOT ASSIGN
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CALG-20ADZ RDL-1 RE9381A POWER SUPPLY INPUT: 80/105/115/125/230 VOLTS. SINGLE PHASE, 60 CYCLES. OUTPUT: 250 VOLTS, 90-110 MA. DC PLATE SUPPLY WITH 4 VOLTS, 5 VOLTS AND 6.3 VOLTS FOR FILAMENTS - TOTAL FILAMENT DRAIN 14.4 AMPS. SUPPLIES VOLTAGES FOR TYPE CALG-50AGJ IF AND 3/25/45 MAR. 45	CG-20AEE SX RECEIVER VOLTAGE REGULATOR: INPUT: 115/1/60 AT 50 WATTS, +300V AT 350 MA, -405V AT 105 MA. OUTPUT: +125 VOLTS AT 151 MA ELECTRONICALLY REGULATED +125 VOLTS AT 150 MA ELECTRONICALLY REGULATED, +75 VOLTS AT 6 MA ELECTRONICALLY REGULATED, -105 VOLTS AT 65 MA 3/20/45 4MY79A1 P-7768160 APR. 45 REV. 0	CH-20AEJ MK 13 MOD 0 RECTIFIER POWER UNIT: INPUT: 115/1/60. OUTPUT: -2000 VOLTS AT 10 MA DC AND +2000 VOLTS AT 5 MA DC. HAS SAME CHASSIS AS TYPE -20ADL INCLUDING DIMENSIONS AND MOUNTING PROVISIONS BUT IS DIFFERENT IN THESE RESPECTS: ADDITION OF 2 SUB CHASSIS, ONE 4/17/45 D-153158 MAY 45
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VIDEO CALG 20ADZ AMPLIFIER. MOUNTED IN TYPE CALG-10AGA CHASSIS.	CG-20AEE ELECTRONICALLY REGULATED, -300 VOLTS AT 13 MA VR TUBE REGULATED. ELECTRONICALLY REGULATED VOLTAGE ARE ADJUSTED BY INDIVIDUAL BEHIND THE PANEL CONTROLS.	CH-20AEJ ON FRONT OF PANEL WHICH CONTAINS ADDITIONAL RECTIFIER TUBE, FILTER CAPACITOR TRANSFORMER, AND DISTRIBUTING RESISTORS; AND THE OTHER ON REAR OF PANEL CONTAINING DISTRIBUTING NETWORK RESISTORS AND FILTER CAPACITORS.
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CG-20AEA TDY-2 16T18 RECTIFIER POWER UNIT: AMEND 2 INPUT: 115/1/60, 2 KVA. INCLUDES BUILT IN TYPE -62AB0 LINE STRETCHES. DESIGNED FOR ACCESSIBILITY TO ALL PARTS THROUGH TOP & FRONT DOORS. INCLUDES TOP SHOCK MOUNTING. HAS SEAL BLOWER FOR COOLING MAGNETRON TUBES. 3/16/45 4GP33C1 CANCELLED APR. 45	CG-20AEF SX SYNCHROSCOPE POWER UNIT: INPUT: 115/1/60, 55 WATTS. OUTPUT: 6.3/1/60, 0.5 AMPS FOR EXTERNAL PILOT LIGHT, -1200 VOLTS AT 4 MA FOR HALF WAVE RECTIFIER, +1500 VOLTS AT 1 MA FOR VOLTAGE DOUBLER, AND -1500 VOLTS AT 1 MA -1000 VOLTS AT NO LOAD FOR KEEP-ALIVE 3/20/45 4MR16A1 P-7768167 APR. 45 REV 0	CRP-20AEK SC/SK RECTIFIER POWER UNIT: INPUT: 115/1/60. OUTPUT APPROXIMATELY 30 VOLTS AT 1.25 AMPS. POWER CONSUMPTION APPROXIMATELY 75 WATTS. FUNCTION OF THIS UNIT IS TO EXCITE THE FIELD OF THE DRIVE MOTOR IN NAVY TYPE -66ALA AND -66ALB ANTENNA ASSEMBLIES. BUILT INTO 4/18/45 RX-1501 H-86C-3 MAY 45
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CG-20AEB TDY-3 RE 13A554E RECTIFIER POWER UNIT: 16T18 AMEND 2 INPUT: 115/1/60, 2 KVA. INCLUDES BUILT IN TYPE -62ABM-1 LINE STRETCHER. DESIGNED FOR ACCESSIBILITY TO ALL PARTS THROUGH TOP & FRONT DOORS. INCLUDES TOP SHOCK MOUNTING. HAS SEAL BLOWER FOR COOLING MAGNETRON TUBES. CANCELLED 3/16/45 4GP33C2 APR. 45	CG-20AEF VOLTAGES.	CRP-20AEK DRIPPROOF CASE DESIGNED FOR BULKHEAD MOUNTING.
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Class 20—Electrical Machines

5.20-7

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
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CAQ1-20AEC MBE RE 13A 1036
 RECTIFIER POWER UNIT:
 SUPPLY: 115/1/60. SUPPLIES NECESSARY
 POWER FOR EQUIPMENT.

4/26/45
 MAY 45

CDY-20AEM SX
 HV RECTIFIER POWER UNIT:
 CONSISTS OF A STANDARD HIGH VOLTAGE
 RECTIFIER AND FILTER SYSTEM FOR SUPPLY-
 ING VOLTAGE TO 3 CATHODE-RAY TUBES.
 UNIT USES 1 JAN 3824 RECTIFIER TUBE.
 INPUT: 115/1/60, 1 AMP. OUTPUT: 0.001
 AMP, 7000V DC.
 5/5/45 CMC-22839
 MAY 45 REV 0

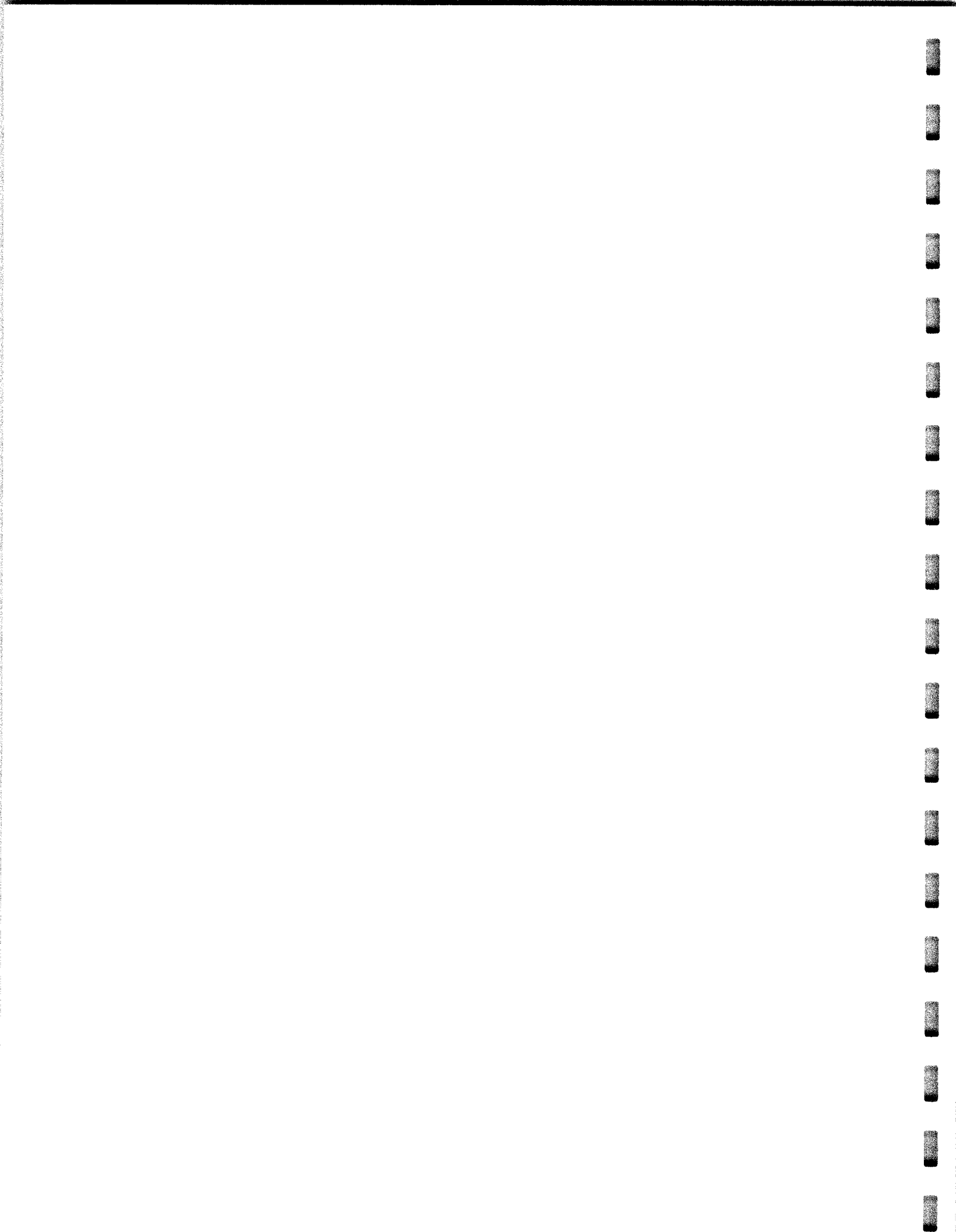
CRP-20AEM SO-11
 RECTIFIER POWER UNIT.
 SUPPLY: 115/1/60. SIMILAR TO CRP-20ACO
 EXCEPT REDESIGNED TO 5U4G TUBES WITH
 SR4GY TUBES.

5/16/45 RX-1495
 MAY 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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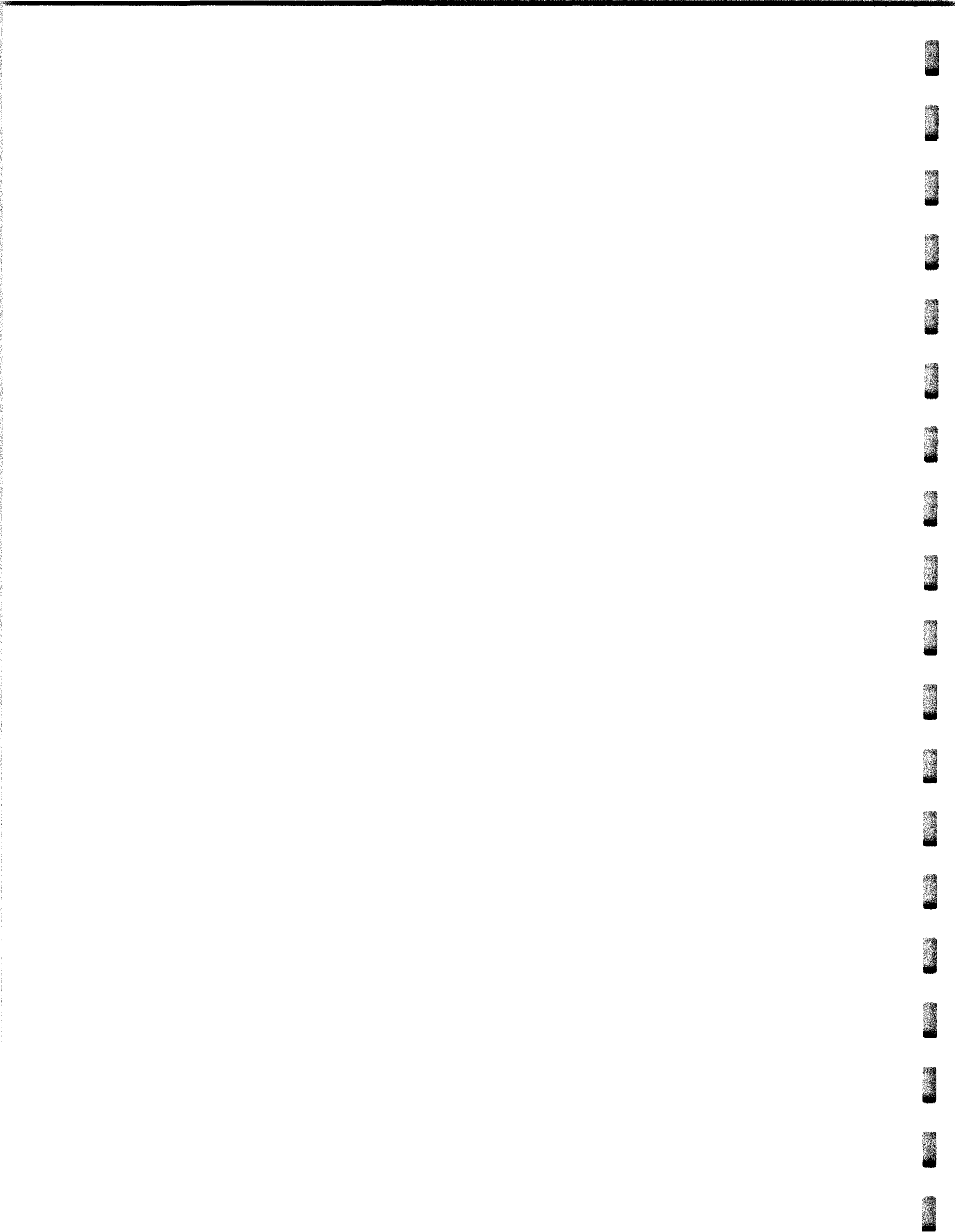


Class 21—Motors—Generators

CLASS 21

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Class 21—Motors—Generators

5.21-1

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
CRR-21AAA CXG MOTOR-ALTERNATOR-GAS ENGINE UNIT COMBINED CONSISTS OF: MOTOR - 110 VOLT D.C. ALTERNATOR - 110 VOLTS - 60 CYCL - 40C WATTS. GAS ENGINE - BRIGGS & STRAITON TYPE N. 5/31/33 MAR. 44			CAO-21AAJ SC MAGNETIC CONTROLLER FOR MTR-ALTERNATOR 230V. DC. 3 HP			CG-21AAS AUX. FOR SJ MOTOR-GENERATOR SET: 250V DC MOTOR-115V. 60- GEN. (175-345V DC) CONSISTS OF BED PLATE, ACCESSORIES AND THE FOLLOWING ACG-21AAU DC MOTOR, ACG-21AAM AC GENERATOR AND ACG-20AAS SEPARATE CONTROL UNIT 25 7/8" HIGH X 42" LONG X 12 1/2" WIDE; 500 LBS. 12/12/41 CW:KS-5589 CW:ESX748094 MAR. 44 LIST 01		
CG-21AAB FA MAGNETIC CONTROLLER 440V, 3Φ, 60 MOTOR STARTER FOR USE WITH AMPLIDYNE.			CEK-21AAK ABA DYNAMOTOR 12/24V.DC BATTERY SUPPLY-400V. OUTPUT.	6/24/41 K7880501P2 M-7465926 MAR. 44		CG-21AAT AUX. FOR SJ MOTOR GENERATOR SET 85-165V.DC MOTOR-ALTERNATOR (SEE CG-21AAS (COMPONENT UNITS - CG21AAV.CG20AAT, CG21AAM)		
5/15/41 MAR. 44		M-6989064 (5)	7/2/41 MAR. 44			1/2/42 KS-5589 MAR. 44 LIST 02		
CG-21AAC FA DYNAMO ELECTRIC AMPLIFIER UNIT (AMPLIDYNE); MOTOR 440V, 3Φ, 60- 3/4 H.P. N.L. 165W .24P.F.; FL660W. .66P.F. GEN. 0-250V. DC, 400W. WEIGHT 180 POUNDS.			CG-21AAL BI AMPLIDYNE GENERATOR.	8/25/41 M-29J647 MAR. 44		CG-21AAB CG-21AAS (SJ) MOTOR 175-345V.DC MTR. (PART OF CG21AAS MTR- ALT.) 3 HP.- 17A -3600 RPM-40°C.		
5/15/41 MAR. 44		M-5845913	8/25/41 MAR. 44		M-29J647	1/2/42 CW: PART OF MAR. 44 KS-5589, LIST 01		
CG-21AAD FB-FC MAGNETIC CONTROLLER STARTER FOR MAIN POWER SUPPLY DISCONNECT RELAY. INTERRUPT CAPACITY 350A.110/220V. 250A.440V. 200A.550/600V. 115V. AC CON- TRACTOR. NAVY SPEC 17C10. 45A 3 POLE (CON- TRACTOR CR-2810-1823-BA30X1 DL6933212. L6922757).			CG-21AAM MK 5 (EXCXAZ) MOTOR-DYNAMO AMPLIFIER: UNIT: SUPPLIED BY AMPLIDYNE UNIT. RAT- INGS ARE MOTOR: 3450 RPM, 3/4 HP, 400/3/60 AND 1.1 AMPS. GENERATOR INPUT: 0 TO ±25 VOLTS, 12MA, .3 WATTS. GENERA- TOR OUTPUT: 0 TO 2250V. 1.5 AMPS AND 11/1/41 CG:5AM49AB4 K-8132006 MAR. 44 REV 1			CG-21AAT SJ (SJ) MOTOR 85-165V.DC MTR. (PART OF CG-21AAT MTR- ALT.) 3 WF 34A 3600 RPM 40°C.		
5/19/41 MAR. 44		CR-513D-B1Y L-6926325	MAR. 44		REV 1	1/2/42 KS-5589 MAR.44 LIST 02		
CG-21AAE SC,BI,BH DYNAMO ELECTRIC AMPLIFIER INPUT: 115V. 60 1Φ, 5AMPS. MOTOR RATED 1/3 HP. 3450 RPM 5 AMPS OUTPUT: 0 TO ±250V.DC 0.6 AMPS D.C. GENERATOR OUTPUT 0.15KW. SUPPLY POWER FOR ROTATION OF TYPE CG-66AAM ANTENNA.			CG-21AAM MK 5 (EXCXAZ) MOTOR-DYNAMO AMPLIFIER UNIT SUPPLIES VOLTAGE TO CG-36AAM MOTOR RATED 3450 RPM 1/8 HP 440 VOLTS 3/60 AT .3 AMPS. GENERATOR INPUT: 0 TO ±10 V, 12 MA DC AND .12 WATTS. GENERATOR OUTPUT: 0 TO ±125 VOLTS, .6 AMPS, 75 WATTS DC. 11/1/41 CG:5AH33FD1 K-8124753 MAR. 44 REV 1			CG-21AAM CG-21AAS CG-21AAT (SJ) AC GENERATOR: 110V. 60- 1Φ PT. OF CG-21AAS OR 21AAT MTR.-ALT. SET 1.5KW. 0.9PF. 40°C CONT. SELF EXCITED. 13.7A. 3600 RPM.		
6/24/41 MAR. 44		K7880097 M-7465492	MAR. 44		CG-21AAM	1/2/42 KS-5589 MAR. 44 LIST 01 OR 02		
CG-21AAF SC&SC-1 MOTOR ALTERNATOR 115V.DC MOTOR-115V, 60-, 1Φ ALTERNATOR.			CG 21AAM MARK 5 (EXCXAZ) MOTOR-DYNAMO AMPLIFIER UNIT SUPPLIES VOLTAGE TO CG-36AAM MOTOR RATED 3450 RPM 1/8 HP 440 VOLTS 3/60 AT .3 AMPS. GENERATOR INPUT: 0 TO ±10 V, 12 MA DC AND .12 WATTS. GENERATOR OUTPUT: 0 TO ±125 VOLTS, .6 AMPS, 75 WATTS DC. 11/1/41 CG:5AH33FD1 K-8124753 MAR. 44 REV 1			- 21AAX ABA-1 DYNAMOTOR-KEYER UNIT: SIMILAR TO -21AAK EXCEPT 800 V. OUTPUT. INPUT 12V. 19A, 24V. 9.5 & INCLUDE A 67AAA AUTOMATIC KEYER.		
6/24/41 MAR. 44		K7880302PI M-7465943	MAR. 44		CG:5AH33FD1 K-8124753 REV 1	1/2/42 (CCLL)(CEK)(CPG) MAR. 44		
CG-21AAG SC&SC-1 MOTOR ALTERNATOR 230DC MOTOR-115V, 60-, 1Φ ALTERNATOR.			CG21AAP MARK 5 (EXCXAZ) MAGNETIC CONTROLLER ASSEMBLY STARTER FOR (1) CG21AAM, AMPLIDYNE AND (3) CG21AAM AMPLIDYNES. THEY ARE ASSEMBL- ED TOGETHER IN A WATERPROOF ENCLOSING CASE. INPUT: 440/3/60.			CG-21AAY SC MOTOR-DYNAMO-AMPLIFIER UNIT: MOTOR RATINGS: 115V/1/60. AT 5.0 AMPS. 400 WATTS. 70% PF 3450 RPM AND 40°C TEM- PERATURE RISE CONTINUOUS OPERATION. AMP- PLIFIER RATINGS: 250V DC, .6 AMPS, 150 WATTS 3450 RPM AND 40°C CONTINUOUS DUTY. 3/16/42 6AM45DB9 CRP:DMG74-5038 MAR. 44 SUB 0		
6/24/41 MAR. 44		K-7880302PI M-7465943	11/1/41 MAR. 44			CG-21AAT AMPLIFIERS EXCITATION SUPPLIED BY -50AAT CONTROL AMPLIFIER ASSEMBLY.		
CAO-21AAH SC&SC-1 MAGNETIC CONTROLLER FOR MTR-ALTERNATOR. 115V.DC 2HP.			CRY-21AAR ASA DYNAMOTOR ASSEMBLY: HEIGHT 9 3/8, WIDTH 5 3/4, DEPTH 18 3/4. INPUT: 74A @ 27V. DC, 1999 WATT. OUTPUT: 750VA, 120V. 80D-AC; 28.5A. 27V. DC.					
6/24/41 MAR. 44		K-7880301PI M-7465943	11/18/41 MAR. 44		P720824			
			ASSIGNED ISSUED			ASSIGNED ISSUED		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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Class 21—Motors—Generators

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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CG-21AAZ SE
 MOTOR GENERATOR CONTROLLER:
 INPUT: 32/450/1200V DC AT 95/.75/.25 AMPS AND 18V AC/3/57.5 AT 32 AMPS. OUTPUT: 32/450/1200V DC AT 95/.75/.25A AND 115V AC/3/67.5 AT 4.3A. UNIT CONSISTS OF TWO STAGE MOTOR STARTING CIRCUIT, OVERLOAD PROTECTION CIRCUITS RIPPLE FILTERS AND
 4/10/42 CW:KS-5918 CW:ESXX-682565
 MAR. 44 LIST 02 SUB 3

CG-21ABF SE
 DC GENERATOR
 OUTPUT: 450V DC AT .75 AMPS AND 1200V DC AT .25 AMPS. HAS TWO OUTPUTS BESIDES EXCITER OUTPUTS. ONE SUPPLIES 300 WATTS AT 1200V THE OTHER 340 WATTS AT 450 VOLTS. EXCITER BUILT INTO GENERATOR AND SUPPLIES FIELD WITH 115 VOLTS AT 1.3 AMPS
 4/10/42 CW:KS-5918 CW:HSXX-682565
 MAR. 44 LIST 01 TO 05 SUB 3

CG-21ABW SE
 DC MOTOR / AC GENERATOR
 INPUT: 230VDC AT 13 AMPS. OUTPUT: 140VAC/3/57.5 AT 4.1 AMPS. RATED 2 HP. CONTAINS A THREE PHASE OUTPUT WINDING CAPABLE OF SUPPLYING 1000VA AT 57.5±5% CYCLES. USED IN TYPE 21ABK M-G SET.
 4/16/42 CW:KS-5918 CW:ESXX-682565
 MAR. 44 03 SUB 3

CG-21AAZ
 A 3 PHASE TO 2 PHASE OUTPUT TRANSFORMER. USED WITH TYP-21A88 M-G SET.

CG-21ABF
 USED IN TYPE 21A8B, 21A8C, AND 21ABK M-G SETS.

CG-21ABW SE
 AC MOTOR
 220/440/5/60

4/16/42 CW:KS-5918
 MAR. 44 04 05

CG-21ABA SE
 MOTOR GENERATOR CONTROLLER
 INPUT: 115/450/1200V DC AT 26/.75/.25 AMPS AND 70V AC/3/57.5 AT 8.3 AMPS. OUTPUT: 115/450/1200V DC AT 26/.75/.25 AMPS AND 115V AC/2/57.5 AT 4.4 AMPS. UNIT CONSISTS OF TWO STAGE MOTOR STARTING CIRCUIT, OVERLOAD PROTECTION CIRCUITS, RIPPLE FILTERS AND A 3 PHASE TO 2 PHASE OUTPUT TRANSFORMER. USED WITH 21ABC M-G SET.
 4/10/42 CW:KS-5918 CW:ESXX-682565
 JULY 44 LIST 01 SUB 3

CG-21ABG SE
 MOTOR GENERATOR CONTROLLER:
 INPUT: 230/450/1200V DC AT 13/.75/.25 AMP AND 140VAC/3/57.5 AT 4.1 AMPS. OUTPUT: 230/450/1200V DC AT 13/.75/.25 AMPS AND 115VAC/2/57.5 AT 4.3 AMPS. UNIT CONSISTS OF TWO-STAGE MOTOR STARTING CIRCUIT, OVER LOAD PROTECTION CIRCUITS,
 4/16/42 CW:KS-5918 CW:ESXX-682565
 MAR. 44 LIST 03 SUB 3

CG-21ABD SC-2
 SXS TO SYN CONVERTER (65 V)
 RECEIVES SXS SIGNAL AT 180 SPEED TRANSMITS STN AT 1 TO 36 SPEED. SXS MOTOR IS 65 VOLTS. UNIT OPERATES ONLY ON 65 VOLTS. STEP MOTOR GEARED TO A 6 G SYNCHRO AT 36 SPEED AND TO A 7G SYNCHRO AT 1 SPEED THROUGH A SPRING COUPLING TO REDUCE VIBRA
 5/27/42 DL-8023682-G1 T-8252047
 MAR. 44 REV 2

CG-21ABA
 CITS, RIPPLE FILTERS AND A 3 PHASE TO 2 PHASE OUTPUT TRANSFORMER. USED WITH 21ABC M-G SET.

CG-21ABG
 RIPPLE FILTERS AND A 3 PHASE TO 2 PHASE OUTPUT TRANSFORMER. USED WITH 21ABL M-G SET.

CG-21ABD
 TIONS FROM THE STEP MOTOR FROM BEING TRANSMITTED TO THE SYN SYSTEM. SPEED IS 20% SECOND. SIMILAR TO -21ACF EXCEPT GEARING IS WORM GEARING.

CG-21ABB SE
 MOTOR GENERATOR SET
 INPUT: 32VDC 95 AMPS. OUTPUT: 450VDC AT .75 AMPS, 1200VDC AT .25 AMPS, 18VAC/3/57.5 AT 32 AMPS. CONSISTS OF ONE TYPE 21ABD DC MOTOR AND ONE TYPE 21ABF DC GENERATOR.
 4/10/42 CW:KS-5918 CW:ESXX-682565
 MAR. 44 LIST 02 SUB 3

CG-21ABH SE
 MOTOR GENERATOR CONTROLLER
 220/3/60
 4/16/42 CW:KS-5918
 MAR. 44 LIST 04

CG-21ABP SC-2
 SXS TO SYN CONVERTER (22 & 65 V)
 RECEIVES SXS SIGNAL AT 180 SPEED, TRANSMITS STN AT 1 TO 36 SPEED. SXS MOTOR IS A 22 VOLT MOTOR AND IS PROVIDED WITH SERIES RESISTORS FOR USE ON EITHER A 22 VOLT OR 6E VOLT SYSTEM. THE STEP MOTOR IS GEARED TO A 6G SYNCHRO AT 36 SPEED AND TO
 5/27/42 DL-8023682-G1 T-8252047
 MAR. 44 REV 2

CG-21ABC SE
 MOTOR GENERATOR SET
 INPUT: 115VDC, 26 AMPS. OUTPUT: 450VDC AT .75 AMPS, 1200VDC AT .25AMPS AND 70VAC/3/57.5 AT 8.3 AMPS. CONSISTS OF ONE TYPE 21ABE DC MOTOR AND ONE TYPE 21ABF DC GENERATOR.
 4/10/42 CW:KS-5918 CW:ESXX-682565
 MAR. 44 LIST 01 SUB 3

CG-21ABJ SE
 MOTOR GENERATOR CONTROLLER
 440/3/60
 4/16/42 CW:KS-5981
 MAR. 44 LIST 05

CG-21ABP
 7G SYNCHRO AT 1 SPEED THROUGH A SPRING COUPLING TO REDUCE VIBRATION FROM THE STEP MOTOR FROM BEING TRANSMITTED TO THE SYN MOTOR. SPEED IS 20% SECOND. SIMILAR TO -21ACG EXCEPT GEARING IS WORM GEARING.

CG-21ABD SE
 DC MOTOR/ AC GENERATOR:
 INPUT: 32V DC AT 95 AMPS. OUTPUT: 18V AC/3/57.5 AT 32 AMPS. RATED 2 HP. CONTAINS A 3 PHASE AC OUTPUT WINDING CAPABLE OF SUPPLYING 1000VA AT 57.5±5% CYCLES. USED IN TYPE 21ABB M-G SET.
 4/10/42 CW:KS-5918 CW:ESXX-682565
 MAR. 44 LIST 02 SUB 3

CG-21ABK SE
 MOTOR GENERATOR SET
 INPUT: 230VDC AT 13 AMPS. OUTPUT: 450/1200VDC AT .75/.25 AMPS AND 140VAC/3/57.5 AT 4.1 AMPS. CONSISTS OF BEDPLATE AND ACCESSORIES AND TYPE 21ABW DC MOTOR AND TYPE 21ABF DC GENERATOR.
 4/16/42 CW:KS-5918 CW:ESXX-682565
 MAR. 44 LIST 03 SUB 3

CAO-21ABQ SC-2
 MAGNETIC CONTROLLER
 RATED 5 HP 115VDC, 38 AMPS.
 5/27/42 16521-70 CG:P-7764571
 MAR. 44 REV 0

CG-21ABE SE
 DC MOTOR/ AC GENERATOR:
 INPUT: 115V DC AT 26 AMPS. OUTPUT: 70VAC/3/57.5 AT 8.3 AMPS. RATED 2 HP. CONTAINS A 3 PHASE AC OUTPUT WINDING CAPABLE OF SUPPLYING 1000VA AT 57.5±5% CYCLES. USED IN TYPE 21ABC M-G SET.
 4/10/42 CW:KS-5918 CW:ESXX-682565
 MAR. 44 LIST 01 SUB 3

CG-21ABL SE
 MOTOR GENERATOR SET
 220/440/3/60
 21ABM MOTOR
 21ABF GEN.
 4/16/42 CW:KS-5918
 MAR. 44 04 05

CAO 21ABR SC-2
 MAGNETIC CONTROLLER
 RATED 5 HP, 230V DC, 19 AMPS.
 *16521-71, REV 0. CO:P-7764570, REV 0.
 5/27/42 16521-71 CAO:(SEE ABOVE)
 CG: *

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 21—Motors—Generators

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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		
CG-21ABS SC-2 MOTOR-ALTERNATOR UNIT: MOTOR END: 5 HP, 115V DC, 38 AMPS, 3600 RPM ALTERNATOR END: 115/1/60, 30.4 AMP, 45% PF 2.97 KW, 3.5 KVA. UNIT SEMI-ENCLOSED, DRIPPROOF. INCLUDES SPEED REGULATOR TO HOLD BETWEEN 3450 AND 3750 RPM *CG:MW-8431102,REV 5,W-8431358,REV 3 5/27/42 5LY128A1 *SEE ABOVE MAR. 44			-21ABZ ASA-1 DYNAMOTOR UNIT INPUT: 27 VDC, 1250 WATTS, 46.3 AMP. OUTPUT: 120/1/800, 675 WATTS. 7/23/42 M1-1B705-A1 MAR. 44			CRP-21ACD-4 SO-1 MOTOR-ALTERNATOR AND MODULATOR ASSEMBLY: CONSISTS OF ONE TYPE -10249 SPARK GAP, ONE TYPE -211044-A MOTOR ALTERNATOR, AND ONE TYPE -50ACK MODULATOR. 12/7/43 DEC. 44				
CG-21ABS UNDER VARYING LOAD AND INPUT VOLTAGE VARIATION OF ±10%.			CG-21ACA ASC-1 MOTOR-DYNAMO AMPLIFIER UNIT: SAME AS CG-21ABW EXCEPT HAS ONLY ONE "A" CONNECTOR. 8/12/42 5AM21JJ7 MAR. 44			CANCELLED				
CG-21ABT SC-2 MOTOR-ALTERNATOR UNIT MOTOR END: 5HP, 230VDC, 19 AMP, 3600 RPM (OTHER CHARACTERISTICS SAME AS CG-21ABS)			CG-21ACB SO MOTOR-ALTERNATOR AND MODULATOR ASSEMBLY CONSISTS OF A TYPE -10188 MOUNTING BASE, TYPE -21963 MOTOR-ALTERNATOR AND SPARK GAP, AND A TYPE -50ABU MODULATOR. 2/8/43 WX 4829 M-3D-W49 MAR. 44 SUB B			CRP-21ACE SO-2 MOTOR-ALTERNATOR AND MODULATOR ASSEMBLY: CONSISTS OF ONE TYPE -211058 MOTOR-ALTERNATOR, ONE TYPE -10212 SPARK GAP, AND ONE TYPE -50ADD MODULATOR. SIMILAR TO TYPE -21ACH. 7/2/43 WX-5315 M-11D-W4 MAR. 44 SUB A				
*MW-8431101,ALT 6,W-8431358,ALT 4 5/27/42 5LY128A2 CG-(SEE ABOVE) MAR. 44			CG-21ACC SM 17G8 OF 4/15/41 17H10 OF 9/15/43 GYRO MOTOR-GENERATOR UNIT 3/29/43 5LY56AB10 CG:W-8118291 MAR. 44 REV 0			CRP-21ACE-1 SO-2 MOTOR ALTERNATOR AND MODULATOR ASSEMBLY: SAME AS BASIC NUMBER EXCEPT USES TYPE -211058-A MOTOR ALTERNATOR AND MOUNTING BASE INSTEAD OF TYPE -211058. -10249 INSTEAD OF -10212 SPARK GAP. 11/15/43 RX-1111 M-110-W4 JULY 44 SUB B				
CG-21ABU SC-2 MOTOR-DYNAMO AMPLIFIER UNIT: MOTOR: 3/4 HP, 115/230/1/60, 1725 RPM, 10/5 AMP. AMPLIFIER: 0 TO ±250V DC, 1.5 AMPS. 5/27/42 MOT:5KC23AB388 W-81182.9 MAR. 44 GEN:5AM73AB58 REV 0			CG-21ACD-1 SO-1 MOTOR ALTERNATOR AND MODULATOR ASSEMBLY: CONSISTS OF ONE TYPE -211043 MOTOR-ALTERNATOR, ONE TYPE -10212 SPARK GAP, AND ONE TYPE -50ACK OR -50AEV MODULATOR. 5/27/43 WX-5276 M-4D-W29 MAR. 44 SUB B			CG-21ACF SC SXS TO SYN CONVERTER (70 V) RECEIVES SXS SIGNAL AT 180 SPEED, TRANSMITS SYN. SXS MOTOR IS CONNECTED FOR 70 VOLTS, OPERATES FROM 70 VOLTS ONLY. STEP MOTOR IS GEARED THROUGH A SPRING COUPLING & SPUR GEAR TRAIN TO A 6G SYNCHRO AT 36 SPEED AND TO 7G SYNCHRO AT 1 SPEED. 7/15/43 DL-8233126G1 P-9000022 MAR. 44 REV 0				
CG-21ABV ASC MOTOR ALTERNATOR UNIT: INPUT: 24V DC AT 3000 WATTS. OUTPUT: 115/1/400, KVA, WATTS. CONSISTS OF A GENERAL ELECTRIC TYPE MOTOR GENERATOR BOLTED TO A WESTERN ELECTRIC BASE. FOR USE WITH TYPE CW-10AAM MOUNTING BASE. 6/6/42 D-150770 ESO-749476 MAR. 44 KS-5601 LIST 1 ISS. 1			CG-21ACD-2 SO-1 MOTOR ALTERNATOR AND MODULATOR ASSEMBLY: CONSISTS OF ONE TYPE -10212 SPARK GAP, ONE TYPE -211043-A MOTOR ALTERNATOR, AND ONE TYPE -50ACKX OR -50AEV MODULATOR. 5/27/43 WX-5636 M-4D-W27 MAR. 44 SUB B			CG-21ACG SC SXS TO SYN CONVERTER (23V) RECEIVES SXS SIGNAL AT 180 SPEED, TRANSMITS SYN. SXS MOTOR IS CONNECTED FOR 23 VOLTS, OPERATES FROM 23 VOLTS ONLY. STEP MOTOR IS GEARED THROUGH A SPRING COUPLING & SPUR GEAR TRAIN FOR 6G SYNCHRO AT 36 SPEED AND TO A 7G SYNCHRO AT 1 SPEED. 7/15/43 DL-8233126 P-9000022 MAR. 44 REV 0				
CG-21ABW ASC MOTOR-DYNAMO AMPLIFIER UNIT: INPUT: 115/1/400 RPM AMPS. OUTPUT: 0 TO ± V. AMPS. CONSISTS OF A GENERAL ELECTRIC TYPE 5AM21JJ6 MOTOR-DYNAMO AMPLIFIER UNIT BOLTED TO A WESTERN ELECTRIC BASE. FOR USE WITH TYPE CW-10AAM MOUNTING BASE. 6/6/42 5AM21JJ6 ESO-749472 MAR. 44 D-150801 ISSUE 1			CG-21ACD-3 SO-1 MOTOR ALTERNATOR AND MODULATOR ASSEMBLY: 5/27/43 RX-1056 M-4D-W187 MAR. 44 SUB B			CG-21ACG SX SXS TO SYN CONVERTER (23V) RECEIVES SXS SIGNAL AT 180 SPEED, TRANSMITS SYN. SXS MOTOR IS CONNECTED FOR 23 VOLTS, OPERATES FROM 23 VOLTS ONLY. STEP MOTOR IS GEARED THROUGH A SPRING COUPLING & SPUR GEAR TRAIN FOR 6G SYNCHRO AT 36 SPEED AND TO A 7G SYNCHRO AT 1 SPEED. 7/15/43 DL-8233126 P-9000022 MAR. 44 REV 0				
CRY-21ABX MARK 6 RADAR DELTA R CONNECTOR CONTAINS THE MOTORS WHICH DRIVE THE RANGE DIALS AND THE RANGE SYNCHRO WHICH FEED SIGNAL INTO THE SHIPS COMPUTER. HOUSED IN TYPE CRY-23ACL MAIN CONTROL ASSEMBLY. 7/13/42 MAR. 44			CANCELLED			CG-21ACG SPEED IS 20°/SEC. FUNCTIONALLY THE SAME AS CG-21ABD BUT HIGHER PERFORMANCE. CG-21ABD UTILIZES WORM GEARING.				
CRY-21ABY ATE,ATF,ATG,ATH DYNAMOTOR ASSEMBLY: INPUT: 12.5V DC, 32.5 AMP. OUTPUT: 6.5/12.5/280/400V DC AT 0.62/5.5/0.34/0.411 AMPS. INCLUDES JUNCTION BOX AND FILTER. MTG BASE IS H1-17079-2 ON SAME DMG. (DYNAMOTOR UNIT ON M-426469, SUB 5). 7/20/42 M1-17035-A P-255318 MAR. 44 M1-17079-2 SUB 0			ASSIGNED ISSUED			CG-21ACH SO-7H MOTOR-ALTERNATOR AND MODULATOR ASSEMBLY CONSISTS OF ONE TYPE -211058 MOTOR-ALTERNATOR, ONE TYPE -10212 SPARK GAP, AND ONE TYPE -50ADN MODULATOR. SIMILAR TO TYPE -21ACE. 10/6/43 WX-6242 M-22-DW-2 MAR. 44 SUB A				
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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CRP-21ACJ SO-a
MOTOR ALTERNATOR AND MODULATOR ASSEMBLY CONSISTS OF A TYPE -50A00 MODULATOR AND MOUNTING BASE AND A TYPE -21112 MOTOR ALTERNATOR. MODIFIED IN FIELD FROM -21ACB.

10/19/43 WX-4829A M-3039-W301
MAR. 44 SUB B

CW-21ACK MK 20
ANTENNA DRIVE UNIT:
SUPPLY: 27V DC. FOR MOTOR DRIVEN VENTILATOR UNIT. 115/1/60 FOR SYNCHRO UNIT. COMPRISES THE MECHANICAL EQUIPMENT LOCATED BETWEEN THE ANTENNA AND THE RADAR TRANSMITTER-RECEIVER UNIT. THIS INCLUDES A PLATFORM CARRYING A RING GEAR AND ALSO
11/2/43 X-66189-D ES-662710
MAR. 44 ISSUE 1

CW-21ACK
INCLUDES THE MECHANICAL SYSTEM FOR TILTING THE REFLECTOR IN ELEVATION AND A VENTILATING UNIT.

CW-21ACL MARK 20
MOTOR GENERATOR ASSEMBLY
MOTOR GENERATOR: 115 VOLTS. 1.6 KVA. 400 CYCLES WITH 500-WATT, 29-VOLT DC. EXCITER AND 70 TO 120 VOLT AC. MOTOR. CONSISTS OF MOTOR, GENERATOR AND CONTROL PANEL ALL MOUNTED ON A SINGLE FRAME. INCLUDES -211268 MAGNETIC CONTROLLER AND
11/2/43 X-66189-N CW:ES-662708
DEC. 44 KS-5885 ISSUE 1

CW-21ACL
-211285.

CW-21ACN MARK 22
ANTENNA DRIVE UNIT
INPUT: 115/1/60. 3 AMPS FROM -23AEO CONTROL PANEL AND 25VDC. 0.5 AMPS FROM -55AEN INDICATOR CIRCUIT UNIT. CONTAINS ANTENNA MOTOR, RECIPROCATING DRIVE MECHANISM, CONTINUOUSLY ROTATED POTENTIOMETER FOR SUPPLYING SWEEP CURRENT TO
12/8/43 D-151713 ESR-990452
MAR. 44 ISSUE 1

CW-21ACW
-55AEO INDICATOR UNIT AND A CAM OPERATED CONTACT TO CONTROL GENERATION OF THE MARKER SWEEP.

CG-21ACN CXDT. SP
MOTOR DYNAMO AMPLIFIER UNIT
INPUT: 115/1/60 AT 10 AMPS, 33/33VDC AT 0.03/0.03 AMPS. OUTPUT: 250VDC AT 1.5 AM; 2 BEARING MOTOR GEN. SEP-EXCITED, 1725 RPM. OPEN DRIP PROOF. FOR MOUNTING ON HORIZONTAL SURFACE. FOR AZIMUTH, CROSS LEVEL, AND ELEVATION, TO AMPLIFY DC OUT-
1/4/44 5AM73AB95 K-8167914
MAR. 44 REV 0

CG-21ACN
PUT OF CONTROL AMPLIFIERS SUFFICIENTLY TO ROTATE ANTENNA IN REQUIRED AXIS 40° CONT.

CZE-21ACO OBJ
INTEGRATING MOTOR & POTENTIOMETER UNIT

1/10/44
MAR. 44

CAJS-21ACP SR
ANTENNA PEDESTAL
THIS UNIT SHALL ENCLOSE ALL REQUIRED DRIVING MOTORS, GEARING, AND SYNCHRO EQUIPMENT INCLUDING 6 NAVY SYNCHROS. NECESSARY FOR OPERATIONS OF THE EQUIPMENT. INCLUDES NAVY TYPE -211179 ANTENNA DRIVE MOTOR.
1/13/44 DL-7502702-G1 CAY:T-7611790
APR. 45 SUB 2

CDU-21ACQ SA-2
MOTOR ASSEMBLY
PART OF NAVY TYPE -50ACU BEARING AMPLIFIER-CONVERTER. CONTAINS SERVO MOTOR, 5G SYNCHRO AND A 50G SYNCHRO POTENTIOMETER AND SECTOR SWEEP SWITCHES. ORIENTS THE POTENTIOMETER WITH THE ANTENNA.
3/1/44 PART OF NI-18061 P-721975
DEC. 44 REV 4

CG-21ACR SC-4
MOTOR GENERATOR UNIT
MOTOR RATED 115VDC. 38 AMPS. 5 HP. SHUNT WOUND. GENERATOR RATED 115/1/60. 3.5 KVA. 0.85PF. 2.97KW. 30.4 AMPS. COMPOUND WOUND. 3600 RPM. 40°C CONT. SEMI-ENCLOSED DRIPPROOF SAME AS -21ABS EXCEPT HAS NO GOVERNOR SPEED REGULATOR.
3/14/44 LY-128A5 M-8435594
DEC. 44 REV 0

CG-21ACS SC--
MOTOR GENERATOR UNIT
MOTOR RATED 230VDC 19 AMPS. 5HP. SHUNT WOUND. GENERATOR RATED 115/1/60 30.4 AMPS 3.5KVA. 0.85PF. 2.97KW. COMPOUND WOUND. 3600RPM. 40°C CONT. SEMI-ENCLOSED. DRIPPROOF. SAME AS -21ABT EXCEPT HAS NO GOVERNOR SPEED REGULATOR.
3/14/44 LY-128A4 M-8435594
DEC. 44 REV 0

CG-21ACT SP-1M
MOTOR DYNAMO AMPLIFIER UNIT:
INPUT: 115/1/60 AT 10 AMPS, 33/33V DC AT 30/30MA. OUTPUT: 250V DC, 1.5 AMPS, 375 WATTS. TWO BEARING UNIT, SEPARATELY EXCITED, 1725 RPM, OPEN, DRIP PROOF. FOR MOUNTING ON HORIZONTAL SURFACE. FOR TRAIN CROSS LEVEL AND ELEVATION TO AMPLIFY DC
3/22/44 5AM73AB89 K-8167190
MAR. 44 REV 2

CG-21ACT
OUTPUT OF CONTROL AMPLIFIERS SUFFICIENTLY TO ROTATE ANTENNA IN REQUIRED AXIS. ELECTRICALLY SAME AS -21ACN. 40° CONT.

CG-21ACU SP 17GB
17M10
MOTOR GENERATOR & SPARK GAP:
MOTOR: RATED 3 HP, 115/1/60, 31 AMPS, .94 PF GENERATOR RATED 1.7 KVA, 115/1/620, 14.8 AMPS, 0.9 PF, 3380 RPM, DRIP-PROOF SEMI-ENCLOSED 40°C CONT.

3/27/44 5LY137A1 L-8454322
DEC. 44 REV 3

CW-21ACV MK 2D MOD 1
ANTENNA DRIVE UNIT
SUPPLY: 115/1/400 & 26V DC. DRIVES -66AHW ANTENNA ASSEMBLY. SIMILAR TO -21ACK EXCEPT (1) AZIMUTH SLEEVING MOTOR AND ASSOCIATED RELAYS HAVE BEEN ADDED (2) GEARING HAS BEEN CHANGED TO GIVE 144: 1 RATIO BETWEEN ANTENNA AND AZIMUTH
5/22/44 X-66189-AD CW:8L-417553
DEC. 44 ISS. 1

CW-21ACV
CONTROL UNIT HANDWHEEL AND 150: 1 RATIO BETWEEN ANTENNA & ELEVATION CONTROL UNIT HANDWHEEL (3) VENTILATING BLOWER HAS BEEN REMOVED (4) CABLE CONNECTING FACILITIES CORRESPONDING TO THE -62A3F JUNCTION BOX HAVE BEEN INCORPORATED.

CG-21ACW NXSS-29848
SXS TO SYNCHRO CONVERTER
SXS MOTOR OPERATES FROM 70 VOLTS ONLY. RECEIVES SXS AT 180 SPEED AND TRANSMITS SYNCHRO. STEP MOTOR DRIVES A CONTACT ARM AT 60 SPEED WHICH CAUSE A SERVO MOTOR AT 640 SPEED TO DRIVE A 6G SYNCHRO AT 36 SPEED AND A 7G SYNCHRO AT A 1 SPEED.
7/10/44
OCT. 44

CG-21ACW
SIMILAR TO -21ACF BUT HAS CONTACT SERVO DRIVE FOR HIGHER PERFORMANCE.

CW-21ACX MK 20 MOD T
SYNCHRO TO S X S CONVERTER
SUPPLY: 115/1/400. 27V DC AND 115/1/60. PERMITS DIRECT AUTOMATIC CONTROL OF AIMING OF S X S SEARCHLIGHT BY SYNCHRO DATA FROM MK 20 MOD 1. THIS IS ACCOMPLISHED BY A SERVO SYSTEM OPERATING FROM ERROR VOLTAGES DEVELOPED BETWEEN
7/18/44 X-66189AV
OCT. 44

CW-21ACX
RADAR SYNCHROS AND THE SEARCHLIGHT SYNCHROS.

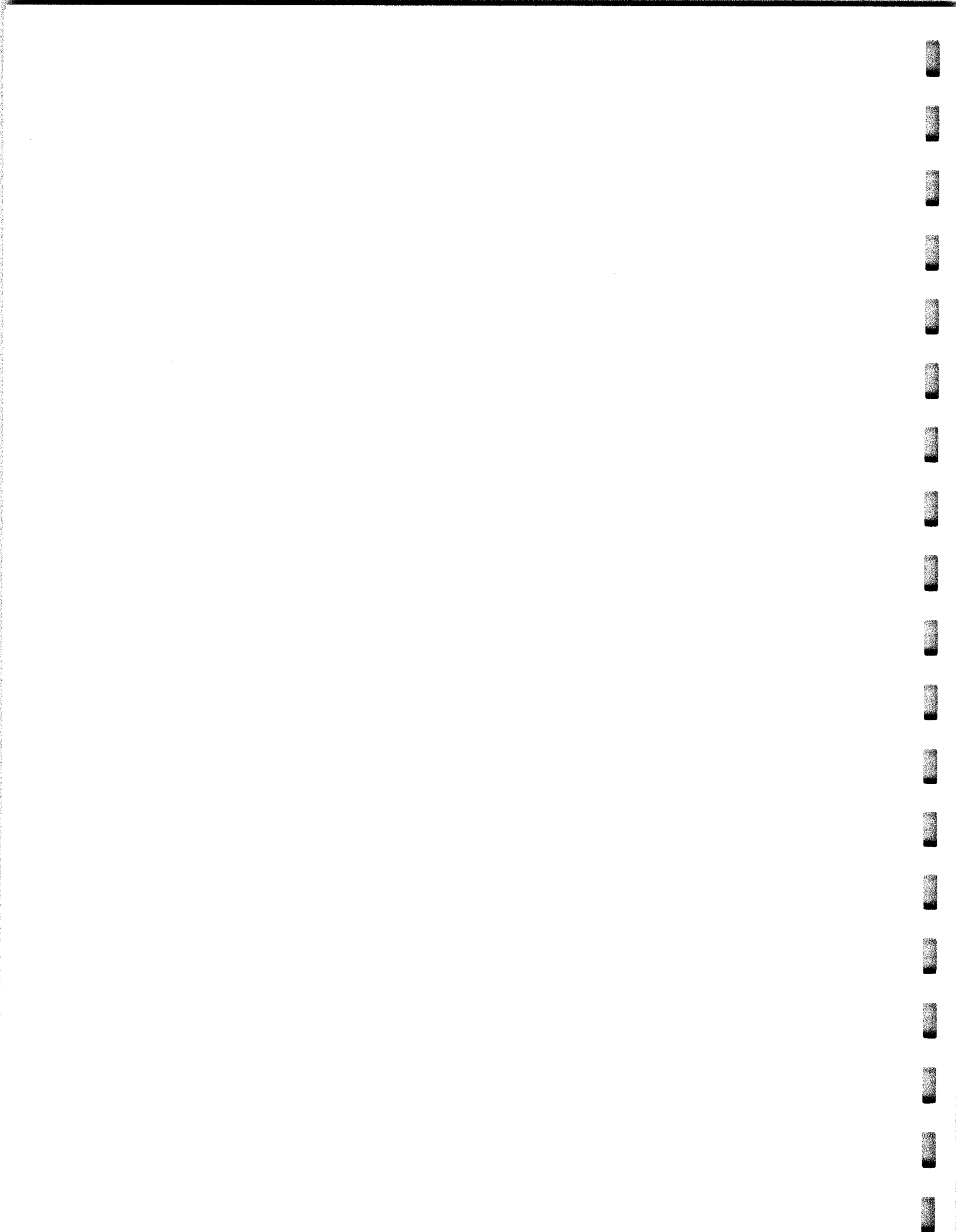
CRP-21ACY SG-3
ELEVATION HYDRAULIC SERVO
UNIT: MAX. TRANSIENT OUTPUT APPROX. 1 HP; MAX. OUTPUT SPEED (NO LOAD) APPROX. 690 RPM; STALL TORQUE (APPROX) 8 FT. LB; FULL LOAD SPEED AT 6 FT. LB. APPROX. 650 RPM. ELECTRIC DRIVE MOTOR 3/4 HP, 3600 RPM, 115/3/60. OPERATES THE TWO
8/2/44 RX-1166 (MIT)D-6951
OCT. 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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Class 21—Motors—Generators

5.21-5

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
CRP-21ACZ		AXIS ANTENNA MOUNT IN ELEVATION AND RECEIVES ELEVATION DATA FROM GENERATORS IN THE STABLE VERTICAL ELEMENT. WATER-PROOF ENCLOSURE.	CW-21ADC		DC EXCITATION. MOTOR OPERATES IN CONJUNCTION WITH TYPE -20ADP MOTOR CONTROL RECTIFIER AND TYPE -23AGE MOTOR CONTROL UNIT TO ROTATE TYPE -66AKA ANTENNA DRIVE ASSEMBLY. POWER DISSIPATION 380 WATTS. 1750 RPM.	CG-21ADB	SX	17 M 10 MOTOR DYNAMO AMPLIFIER 17 G 7 FOR CROSS LEVEL OR ELEVATION: INPUT: MOTOR: 2 HP. 440/3/60. 3450 RPM. AMPLIDYNE GENERATOR FIELDS: +0.03 TO -0.03 AMPS. OUTPUT: 750 WATTS. 250V DC. 3 AMPS. SUPPLIES POWER TO ANTENNA DRIVE MOTOR. 5/10/45 5AM73AB94 JUN. 45
CRP-21ACZ SG-3		TRAIN HYDRAULIC SERVO UNIT MAX. TRANSIENT OUTPUT APPROX. 1 HP; MAX. OUTPUT SPEED (NO LOAD) APPROX. 690 RPM, STALL TORQUE (APPRDX) 8 FT. LB; FULL LOAD SPEED AT 6 FT. LB. APPROX. 650 RPM; ELECTRIC DRIVE MOTOR 3/4 HP. 3500 RPM. 115/3/60. OPERATES THE TWO AXIS ANTENNA 8/2/44 RX-1167 (MITD)-6951 OCT. 44	CAJS-21ADD SR-5		ANTENNA PEDESTAL UNIT ENCLOSES ALL REQUIRED DRIVING MOTORS, GEARING AND SYNCHRO EQUIPMENT. IT USES TWO 6 G SYNCHRO GENERATORS CONNECTED TO ITS GEARING. SAME AS TYPE CAJS-21ACP EXCEPT FOR USE OF 6 G INSTEAD OF 6 DG SYNCHRO GENERATORS. THE NECESSARY 1/29/45 DL-7502702 G6 FEB. 45	21ADI		DO NOT ASSIGN
CRP-21ACZ		MOUNT IN TRAIN AND RECEIVES DATA FROM GENERATORS IN THE STABLE VERTICAL ELEMENT. WATERPROOF ENCLOSURE. SAME AS CRP-21ACZ EXCEPT FOR HYDRAULIC VALVE ASSEMBLY.	CAJS-21ADD		WIRING CHARGES, AND DIFFERENT NUMBERS FOR THE TERMINAL STRIPS AND WIRE MARKERS.	CG-21ADJ	SX	17 M 10 MOTOR DYNAMO AMPLIFIER 17 G 7 FOR SCANNER: INPUT: MOTOR: 3/4 HP. 440/3/60. 3450 RPM. AMPLIDYNE GENERATOR FIELDS + 0.03 TO -0.03 AMPS. OUTPUT: 375 WATTS. 250V DC. 1.5 AMPS. SUPPLIES POWER TO ANTENNA SCANNER MOTOR. 5/10/45 5AM49AB25 JUN. 45
CG-21ADA AN/APA-17		SYNCHRO GENERATOR CONSISTS OF STATOR CORE WITH 3-PHASE CONNECTED DISTRIBUTED WINDING AND A 2-POLE ROTOR PROVIDED WITH SINGLE WINDING CONNECTED TO 2 SLIP RINGS. INPUT: 115V. 400 CYCLES; POWER NOT TO EXCEED 7.5 WATTS. MAXIMUM R.M.S. VOLTAGE VALUE 9/1/44 2J1F81 (CG)M-8097857 OCT. 44	CARS			CAT-21ADK	SR-3	ANTENNA PEDESTAL ASSEMBLY INCLUDES ALL REQUIRED DRIVING MOTORS, GEARING & SYNCHRO EQUIPMENT, INCLUDING 6 NAVY SYNCHROS NECESSARY FOR OPERATION OF EQUIPMENT. SIMILAR TO TYPE -21ACP EXCEPT FOR COMPLETE CHANGE IN PLUMBING & MECHANICAL CHANGES NECESSARY. 5/15/45 JUN. 45
CG-21ADA		NOT TO EXCEED 57.5±1.5 VOLTS ACROSS ANY 2 TERMINALS WHEN EXCITED WITH 115V. 400 CYCLES, AND CURRENT DRAWN NOT TO EXCEED 0.8 AMPS.	CW-21ADE SY		SYNCHRO UNIT PROVIDES PROPER DRIVE FOR THREE 6 G SYNCHROS. GEAR RATIO IS SUCH THAT 2 OF THE SYNCHROS OPERATE AT 1 SPEED WITH RESPECT TO ANTENNA MOST AND THIRD SYNCHRO AT 36 SPEED. HAS CAST BRONZE HOUSING WHICH COUPLES WITH TYPE -10AFE SPLINE SHAFT UPPER BEARING. IS SPLASH-PROOF. GEARS ARE PROVIDED WITH GREASE LUBRICATION.	CAT-21ADK		RADAR PLUMBING CONSISTS OF 3 1/4" X 6 1/2" WAVE GUIDE INPUT; RADAR ROTATING JOINT IS CHOKO JOINT MOUNTED ON 1 5/8" COAXIAL LINE, WITH CONNECTION TO IFF ANTENNA AVAILABLE AT UPPER END.
CG-21ADB SG-3		MOTOR DYNAMO-AMPLIFIER UNIT: CONSISTS OF A.C. MOTOR 115±10% VOLTS. 3 PHASE. 60±3 CYCLES 3450 RPM. 11.2 AMPS. (MAXIMUM CURRENT UNBALANCE OF ANY ONE OF 3 LINES 125 MA) 2 HP AND A DYNAMO-AMPLIFIER; OUTPUT 750 WATTS. 0 TO 17M10 17G7 (CG)M-5884746. REV 3 9/19/44 (CG)5AM73AB120 *SEE ABOVE OCT. 44	CARS-21ADF SS		SYNCHRO UNIT: SIMILAR TO TYPE CARS-21ADE SYNCHRO UNIT EXCEPT ONLY 2 TYPE 6C SYNCHROS ARE PROVIDED INSTEAD OF 3. UNIT IS DRIVEN BY MAIN BULL GEAR OF THE FEEDER ASSEMBLY. PRIME FUNCTION IS TO TRANSMIT BEARING INFORMATION FROM ANTENNA TO INDICATING 2/26/45 KS-10239 BX-24501 APR. 45 LIST 1 ISS. 2	CARS-21ADF		EQUIPMENT BY THE 1 AND 36 SPEED SYNCHROS. PART OF TYPE -66AKX ANTENNA ASSEMBLY.
CG-21ADB		±250 VOLTS DC. DEPENDING UPON HOW CONNECTION IS MADE. 5 AMPS.	CG-21ADG SX		17 M 10 MOTOR DYNAMO AMPLIFIER 17 G 7 FOR TRAIN: INPUT: MOTOR - 3 HP. 440/3/60. 3.6 AMPS. 3450 RPM. AMPLIDYNE GENERATOR FIELDS +0.03 TO -0.03 AMPS. OUTPUT: 1500 WATTS. 250V DC. 6 AMPS. SUPPLIES POWER TO ANTENNA TRAIN DRIVE MOTOR. 5/10/45 5AM78AB118 JUN. 45			
CC-21ADC SY		DC MOTOR RATED 1 1/2 HP WITH 250V DC & 5.7 AMPS INPUT. FIELD IS WOUND WITH 2 SEPARATE COILS CONNECTED IN SERIES FOR 250 VOLT DC EXCITATION & 4N PARALLEL FOR 125 VOLT *CW:KS-15104. LIST 01 *CW:ES-529139. ISSUE 1 11/16/44 CC:D-224X. CC:C-34989 APR. 45 *SEE ABOVE REV A *	ASSIGNED ISSUED					
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

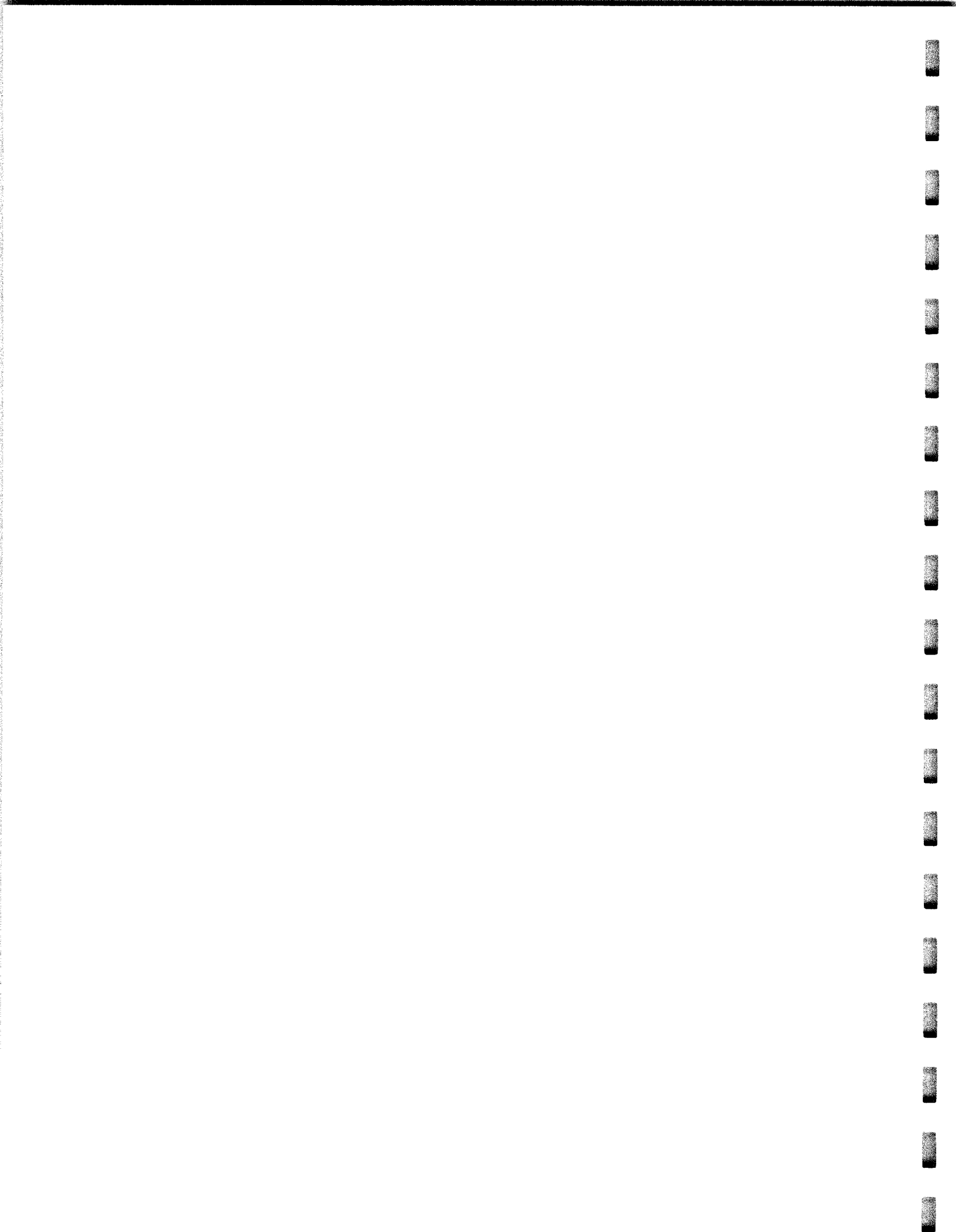


Class 22—Indicating Instruments

CLASS 22

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NAVSHIPS 900,109



Class 22—Indicating Instruments

5.22-1

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
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CW-22AAA FB-FC-FD
 TRAIN OR ELEVATION METER
 INCLUDES CG-22341 METER, ZERO CENTER FOR
 ADJUSTMENT OF RANGE INDICATOR.

CW-22AAH GEN. RADAR USE
 FREQUENCY METER:

CANCELLED

5/15/41 D150260 WN483
 MAR. 44

7/1/43 D-150882 ESP-696529
 APR. 45 ISS. 1

- 22AAB MARK 6 RADAR
 TRAIN REPEATER INDICATOR
 THIS METER IS IN SERIES WITH THE ONE ON
 THE TYPE CRV-55ABX TRAIN INDICATORS AND
 MAY BE LOCATED AT A CONVENIENT POINT IN
 THE TRAINERS FIELD OF VIEW. SCALE MARKED
 ONLY "RIGHT" AND "LEFT".

7/13/42
 MAR. 44

- 22AAC MARK 6 RADAR
 ELEVATION REPEATER INDICATOR
 THIS METER IS IN SERIES WITH THE ONE ON
 THE TYPE OF CRV-55ABX ELEVATION INDICAT-
 OR AND MAY BE LOCATED AT A CONVENIENT
 POINT IN THE POINTERS FIELD OF VIEW.
 SCALE MARKED ONLY "UP" AND "DOWN".

7/13/42
 MAR. 44

- 22AAD WK 4 MOD 2
 TRAIN OR ELEVATION METER
 METER (TRAIN AND ELEVATION) WK 1 MOD 0;
 SIMILAR TO CW-22AAA, BUT METER HAS BEEN
 CHANGED.

12/31/42 D-150917 BR-500411
 APR. 45 ISSUE 4

CW-22AAE WK 12
 TRAIN OR ELEVATION METER

CANCELLED 4/21/43

3/31/42
 JAN. 45

CG-22AAF SM
 HEIGHT METER
 SINGLE PHASE WATTMETER TYPE. 0 TO 50,000
 FOOT SCALE, LINEAR, 100 SCALE DIVISIONS,
 CALIBRATED IN FEET. FIELD COIL RATED 115
 VOLTS 60 CYCLES, BURDEN 6 VA. MOVING
 COIL MAXIMUM RATING 15 VOLTS AC 60
 CYCLES BURDEN 1 VA MAXIMUM AT 8.8 VOLTS.
 4/7/43 AB13 K43J434
 JULY 44 REV 1

CG-22AAF
 A CONSTANT VOLTAGE OF 115 VOLTS 60
 CYCLES ON FIELD COIL AND A TERMINAL VOLT-
 AGE OF 8 VOLTS 60 CYCLES ON MOVING COIL
 CAUSES FULL SCALE DEFLECTION. FLUSH TYPE
 CASE 4.292" X 4.292"; CASE DIAMETER AT
 MOUNTING HOLE 5 31/32 INCHES; 7 9/32"
 DEEP OVERALL.

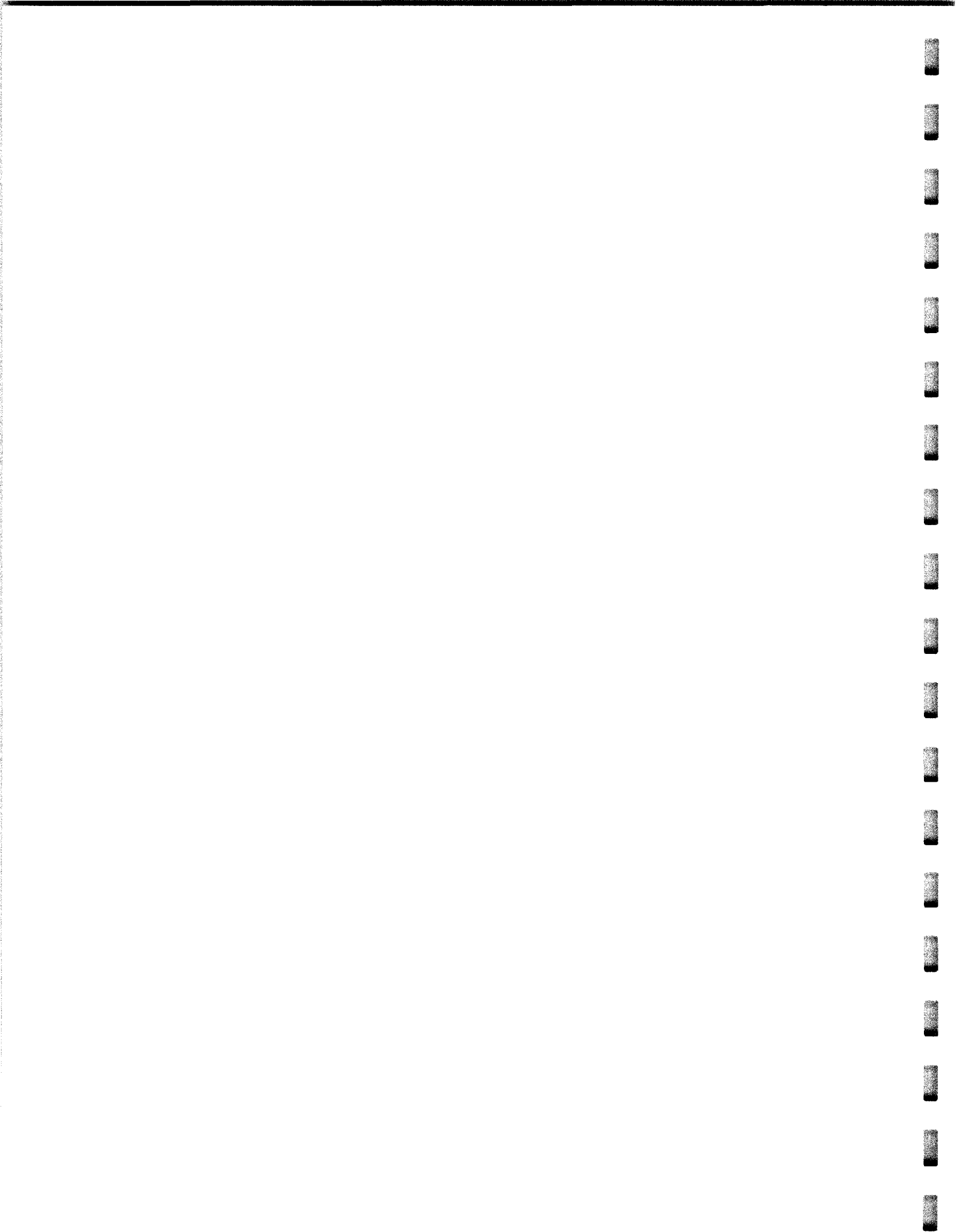
CG-22AAG SM
 CROSS POINTER INSTRUMENT:
 HAS VERTICAL POINTER WITH PIVOT AT TOP
 AND A HORIZONTAL POINTER WITH PIVOT AT
 LEFT A 35° DEFLECTION IS OBTAINED WITH
 150 MICROAMPERES. RESISTANCE OF CIRCUIT
 AT TERMINALS IS 1000 OHMS ±10%.

4/7/43 CAY-1210999 K43J622
 MAR. 44 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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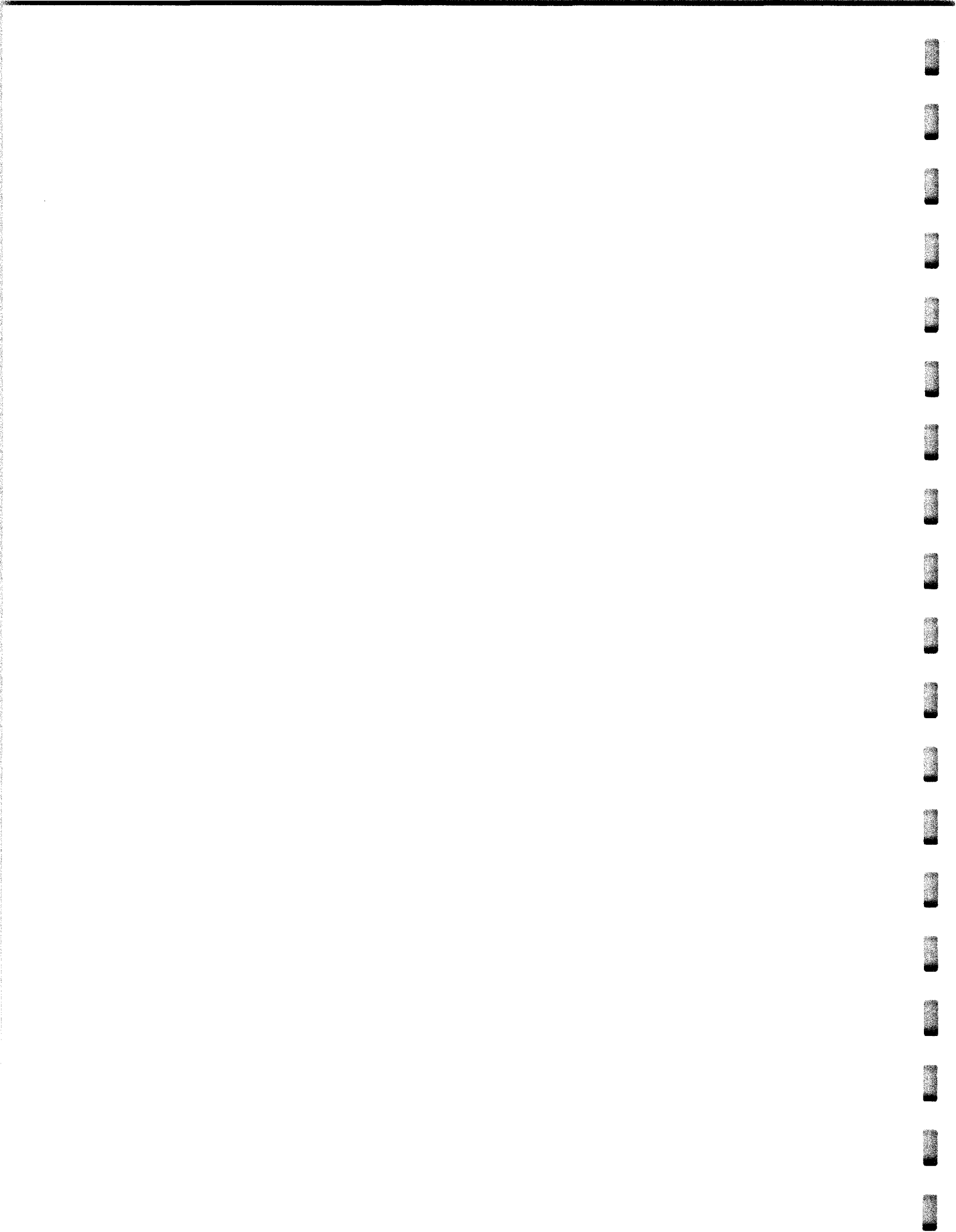


Class 23—Control Panels and Control Units

class 23

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Class 23—Control Panels and Control Units

5.23-1

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
RA-23AAA XT CONTROL PANEL CONTAINS KEY AND GENERATOR FIELD RHEOSTAT			CG-23AAJ SC ALTERNATOR VOLTAGE CONTROL FIELD CONTROL FOR CG-21AAG MTR-ALT.			CG-23AAR MARK 5 (EXCXAZ) C.O. SWITCH UNIT THE TRANSMITTER OPERATING SWITCHES AND THE TARGET SELECTOR ARE LOCATED IN THIS WATERPROOF UNIT.		
3/17/32 MAR. 44			6/24/41 MAR. 44		M-7465783	11/1/41 JUN. 44	DL-3888489	T-8002300 REV 2
CW-23AAB FA CONTROL PANEL PART OF CW-42AAA TRANSMITTER & RECEIVER PART OF CW-43AAB (F8) TRANSMITTER AND RECEIVER.			CG-23AAK ABA REMOTR-CONTROL UNIT TRANSMITTER CONTROL UNIT FOR RECOGNITION EQ.			CG-23AAS MARK 5 (EXCXAZ) C.O. PANEL THIS IS A WATERPROOF CAST-ALUMINUM CASE ENCLOSING THE POSITION INDICATOR AND SEARCH CONTROLS FOR THE ANTENNA ASSEMBLY CG-66AAN.		
2/25/41 MAR. 44	D150180		7/2/41 MAR. 44			11/1/41 MAR. 44	DL-3888490	T-8019644 REV 1
CW-23AAC BE TRANSMITTER CONTROL UNIT			CG-23AAL ABA KEYING CONTROL UNIT TRIGGER CONTROL FOR TRANSMITTER.			CG-23AAT MARK 5 (EXCXAZ) INDICATOR CONTROL UNIT ALL THE POWER FOR INDICATOR AND SYNC-HRONIZER EQUIPMENT IS DISTRIBUTED BY THE FOUR SWITCH INCLUDED IN THIS CONTROL UNIT. IT HAS A STEEL WELDED SPLASH PROOF CASE.		
5/1/41 MAR. 44	DL-4W13A-G1		7/2/41 MAR. 44			11/1/41 MAR. 44	ML-7763704-G1	M-7466982 REV 1
CG-23AAD BD CONTROL BOX. RECEIVER			CG-23AAM BI & BI-1 RELAY CONTROL PANEL. CONTAINS TWO RELAYS TO ENABLE OPERATION OF EQUIPMENT FROM REMOTE STATION. CONTAINS OVERLOAD CIRCUIT-BREAKER WHICH MAY BE USED AS MASTER SWITCH.			CG-23AAU MARK 5 (EXCXAZ) RANGE TAKER CONTROL UNIT CONSISTS OF 6 MULTICONTACT SWITCHES WHICH SERVE AS DISCONNECTS FOR POWER TO THE ANTENNA DRIVE MECHANISM AS FOR THE SHIPS SELSYN CIRCUITS FROM FIRE CONTROL SWITCHBOARD. INPUT: 440/3/60 & 115/1/60.		
5/1/41 MAR. 44	DL-4W13A-G2		8/25/41 MAR. 44		T-28J488	11/1/41 MAR. 44	DL-8023608	T-8002332 REV 1
CW-23AAE FB RANGE UNIT RANGE INDICATOR (OSCILLOSCOPE)			CG-23AAN MARK 5 (EXCXAZ) SYNC. CONTROL PART OF 46AAH RECEIVER PANEL. CONTAINS CRYSTAL CONTROLLED OSCILLATOR. FREQUENCY DIVIDER CHAIN OF MULTI-VIBRATOR. DRIVE FOR LOW AND HIGH FREQUENCY PHASE SHIFTER AND THE TRANSMITTER AND INDICATOR SYNC-			CG-23AAV SJ RANGE UNIT SYNCHRO TRANSMITTER AND RANGE CONTROL. CONTROLS THE REFERENCE MARK ON THE CATHODE RAY TUBE OF TYPE CW-55AAP RANGE INDICATOR. CALIBRATED IN YARDS. 6 9/16" X 9 1/2" WIDE X 21 1/2" DEEP; 75 LBS.		
5/15/41 MAR. 44	D150255	MN468	11/1/41 MAR. 44			12/12/41 MAR. 44	D-150315	ESX-748094
CG-23AAF SC CONTROL UNIT (TRAIN INDICATOR - CONTROL UNIT) SYNCHRO COMPASS. CONTROL UNIT FOR SC.			CG-23AAM MARK 5 (EXCXAZ) HRONIZING CIRCUITS. OSCILLATOR RUNS AT 81.960KC AND DIVIDERS STEP DOWN TO A FIXED PULSE RATE OF 656 CYCLES. INPUT: 6.3/6.3/6-3VAC AT 12/1/1 AMPS AND 300/500V DC AT .37.05 AMPS.			CZC-23AAM SJ MAIN CONTROL UNIT CONTROL FOR TRANSMITTER AND RECEIVER. 14 1/4"H 14 1/2"D. 15 1/4"W WT. 125#.		
6/24/41 MAR. 44	ML-7661585G1	M-7465667	12/13/41 MAR. 44			12/13/41 MAR. 44	D-150318	ESX-748094
CG-23AAG SC CONTROL UNIT (TRAIN INDICATOR - CONTROL UNIT) STEP BY STEP. CONTROL UNIT FOR SC.			CG-23AAN MARK 5 (EXCXAZ) CONTROL PANEL PERFORMS MIXING AND DRIVING FUNCTIONS FOR ALL THE SYSTEM INDICATORS. RECEIVES TUNING SIGNAL FROM SYNCHRONIZER CONTROL CG-23AAN AND DEVELOPS PROPER SWEEP AND DEFLECTION WAVE FORMS. INPUT: 300/300/50C			CW-23AAX SH MAIN CONTROL UNIT MAIN CONTROL FOR SH EQUIP.		
6/24/41 MAR. 44	ML7661585G2	M7465667	11/1/41 MAR. 44		T-7661719 REV 6	12/13/41 MAR. 44	D-150327	XX-748138
CG-23AAH SC ALTERNATOR VOLTAGE CONTROL FIELD CONTROL FOR CG21AAF MTR-ALT.			CG-23AAO MARK 5 (EXCXAZ) CONTROL PANEL PERFORMS MIXING AND DRIVING FUNCTIONS FOR ALL THE SYSTEM INDICATORS. RECEIVES TUNING SIGNAL FROM SYNCHRONIZER CONTROL CG-23AAN AND DEVELOPS PROPER SWEEP AND DEFLECTION WAVE FORMS. INPUT: 300/300/50C			CW-23AAY PH SCANNING SWITCH PANEL CONTROLS THE ELEVATION ANTENNA. AS WELL AS THE ANTENNA PHASE SHIFTING EQUIPMENT WHEN USED IN CONNECTION WITH NAVY TYPE CW-23AAZ ANTENNA MOTOR CONTROL. 8" HIGH X 10" WIDE X 4" DEEP.		
6/24/41 MAR. 44		M-7465783	11/1/41 MAR. 44		T-7661719 REV 6	12/13/41 MAR. 44	D-150323	XX-748138

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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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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CM-23AAZ PH
SCANNING MOTOR CONTROLLER
INCLUDES CONTACTORS FOR ON-OFF CONTROL OF ANTENNA ELEVATION AND PHASE SHIFTING MOTORS AS WELL AS CONTACTORS FOR SCANNING SPEED CONTROL. 6" HIGH X 26" WIDE X 18" DEEP.

12/13/41 D-150324
MAR. 44

C2C FH
C86-23ABA
POWER CONTROL UNIT
INCLUDES, SWITCHES, RESISTORS, INDICATOR, INSTRUMENTS, VARIABLE TRANSFORMERS ETC. TO PROVIDE POWER CONTROL OF THE ENTIRE EQUIPMENT. 14 1/4" HIGH X 15 1/4" WIDE X 15" DEEP; 125 LBS.
12/13/41 0-150322 BX-50097 ISS 1
APR. 45 XX748093

CM-23ABB -55AAT (SH)
-55AAU
RANGE UNIT
SIMILAR TO 23AAV BUT LESS MOUNTING FRAME ELECTRICALLY EQUIVALENT TO CM-23AAV.

1/8/42 D-150463
MAR. 44

CM-23ABC -55AAT (SH)
-55AAU
ANTENNA CONTROL UNIT
PART OF CM-55AAU INDICATOR PANEL.
ELECTRICALLY EQUIVALENT TO -23AAV.

1/8/42 D-150464
MAR. 44

CM-23ABD -20AAU (SH)
ANTENNA MOTOR CONTROL UNIT
ELECTRICALLY EQUIVALENT TO NAVY TYPE -23AAZ.

1/9/42 D-150468
MAR. 44

CPR-23ABE ABD
CONTROL UNIT (MAIN)
INCLUDES EQUIPMENT ON-OFF SWITCH, ADJUSTMENT OF INPUT VOLTAGE AND SUPER REGENERATIVE ACTION OF RECEIVER IS THROUGH THIS UNIT. PHONE JACK PROVIDED TO DETERMINE IF EQUIPMENT IS FUNCTIONING PROPERLY. VOLTMMETER AND MILLIAMETER MOUNTED ON TOP OF UNIT FOR INDICATION OF INPUT VOLTAGE AND CURRENT IN PHONE CIRCUIT. INPUT: 12 TO 14 VOLTS. 5.0 AMPS.

1/12/42 SLO-126
MAR. 44

CPR-23ABF ABD-1
CONTROL UNIT (MAIN)
INCLUDES EQUIPMENT ON-OFF SWITCH, ADJUSTMENT OF INPUT VOLTAGE AND SUPER-REGENERATIVE ACTION OF RECEIVER IS THROUGH THIS UNIT. PHONE JACK PROVIDED TO DETERMINE IF EQUIPMENT IS FUNCTIONING PROPERLY. VOLTMMETER AND MILLIAMETER MOUNTED ON TOP OF UNIT FOR INDICATION OF INPUT VOLTAGE AND CURRENT IN PHONE CIRCUIT. INPUT: 12 TO 14 VOLTS. 5.0 AMPS.

1/12/42
MAR. 44

CPR-23ABF
OF UNIT FOR INDICATION OF INPUT VOLTAGE AND CURRENT IN PHONE CIRCUIT. INPUT: 24 TO 28 VOLTS. 2.5 AMPS.

-23ABG ABK & ABK-1
CONTROL UNIT
12 OR 24 VOLT OPERATION.

1/12/42 CWS.CCT.CZR
MAR. 44 & CHZ

-23ABH ABK & ABK-1
SELECTOR UNIT
12 OR 24 VOLT OPERATION.

1/12/42 CHZ
MAR. 44

-23ABI
UNASSIGNED

APR. 45

-23ABJ ABA-1
CONTROL UNIT (RENOTE)

1/15/42 CG:CZR:CFM
MAR. 44

RA-23ABK XAT
CONTROL BOX

2/2/42
MAR. 44

CAY-23ABL ASB-1 & ASB-2
CONTROL UNIT
INCLUDES OFF-ON POWER SWITCH AND COMPENSATING CAPACITORS AND VOLTMMETER.

2/4/42 CAY:P-770906X
MAR. 44 REV 0

CJP-23ABM ASB-3
CONTROL UNIT
SAME AS TYPE -23ABL EXCEPT FOR SLIGHT MODIFICATIONS OF COMPONENT PARTS.

2/4/42 P-7708600
MAR. 44 SUB 0

CRY-23ABN ASB
CONTROL UNIT
THE CONTROL UNIT CONTAINS SUITABLE CONNECTORS AND FUSES FOR SUPPLYING POWER FROM THE PRIMARY SOURCE TO THE VARIOUS UNITS OF THE EQUIPMENT. THE CONTROL UNIT CONTAINS A VOLTMETER AND VOLTAGE CONTROL SWITCH TO REGULATE THE PRIMARY VOLTAGE

2/11/42 P-255008
MAR. 44 SUB 1

CR-23ABR
APPLIED TO THE EQUIPMENT.

CPR-23ABO ASE
POWER DISTRIBUTION UNIT
INPUT: 28 VOLTS 2.9 AMPS DC AND 120/1/80C 3.5 AMP. AC. OUTPUT: 28 VOLTS 0.6 AMPS DC AND 80 VOLTS 2.4 AMPS AC. 28 VOLTS 1.9 AMPS DC AND 80 VOLTS 2.6 AMPS DC.

3/4/42 SLD-63
MAR. 44 REV 0

CPR-23ABP ABD-2
CONTROL UNIT
INCLUDES EQUIPMENT ON-OFF SWITCH, ADJUSTMENT OF INPUT VOLTAGE AND SUPER-REGENERATIVE ACTION OF RECEIVER IS THROUGH THIS UNIT. PHONE JACK PROVIDED TO DETERMINE IF EQUIPMENT IS FUNCTIONING PROPERLY. MILLIAMETER & MULTIPLIER USED WITH PUSH

3/14/42
MAR. 44

BUTTON SWITCH CPR23ABP
TO MEASURE INPUT VOLTAGE AND PHONE CIRCUIT CURRENT. INPUT 12 TO 14 VOLTS. 5.0 AMPS.

CPR-23ABQ ABD-3
CONTROL UNIT
INCLUDES EQUIPMENT ON-OFF SWITCH, ADJUSTMENT OF INPUT VOLTAGE AND SUPER-REGENERATIVE ACTION OF RECEIVER IS THROUGH THIS UNIT. PHONE JACK PROVIDED TO DETERMINE IF EQUIPMENT IS FUNCTIONING PROPERLY. MILLIAMETER AND MULTIPLIER USED WITH

3/14/42
MAR. 44

CPR-23ABQ
PUSH BUTTON SWITCH. SWITCH TO MEASURE INPUT VOLTAGE AND PHONE CIRCUIT. INPUT: 24 TO 28 VOLTS. 2.6 AMPS.

CG-23ABR BE-1
TRANSMITTER CONTROL UNIT
INPUT: 115/1/60 3.5 AMPS 300 WATTS
SIMILAR TO CG-23AAC EXCEPT FOR MODIFICATION OF CIRCUIT DUE TO SUBSTITUTION OF STEEL PART.

3/17/42
MAR. 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

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
RN-23ABS XBA SELECTOR CONTROL UNIT SUPPLY 14 VOLTS DC.			CW-23ABX JACKS AND A KNOB FOR A POTENTIOMETER TO BE SUPPLIED BY IFF.			CG-23ACD "PHASE ADJUSTMENT" TO "LOCAL", PPI, SNEEP AND CONTROL SWITCH "E" CHANGE FROM "REMOTE ALARM" TO "BEARING MARK". INCLUDES TYPE 50ABH CONTROL AMPLIFIER.		
3/26/42 MAR. 44								
RW-23ABT BH POWER CONTROL UNIT CONTAINS EQUIPMENT ON/OFF SWITCH FUSES LINE VOLTMETER AND VARIAC TO REGULATE SUPPLIED VOLTAGE. INCLUDES INTERNAL AMPLIFIER FOR CONTROL FIELD OF TYPE CG-21AAE MOTOR-DYNAMO ELECTRIC AMPLIFIER UNIT.			CLH-23ABY SE ANTENNA CONTROL UNIT CONSISTS OF HANDWHEEL, SHAFT, BEARINGS AND UNIVERSAL JOINT FOR CONNECTION TO ANTENNA SHAFT. PROVIDES MECHANICAL FACILITIES FOR MANUALLY TRAINING THE ANTENNA.			CG-23ACE SC-2 ALTERNATOR VOLTAGE CONTROL UNIT FOR CONTROL OF FIELD OF TYPE CG-21ABS MOTOR ALTERNATOR UNIT. SAME AS CG-23AAJ EXCEPT RHEOSTAT HAS A DIFFERENT VALUE. FOR USE IN EQUIPMENT HAVING 115 VOLT DC SUPPLY.		
5/28/42 MAR. 44			4/11/42 D-150531 MAR. 44		CW-ESXX-682565 SUB 3	5/27/42 ML-7763677-G3 MAR. 44		MI-467583 REV 2
CW-23ABU MARK 9 RANGE UNIT INPUT: 6.3/115 (60-) & 300 VOLTS DC AT (WITH AIDED TRACKING)			CW-23ABZ MARK 9 TRAIN & ELEVATION INDICATOR CONTROL: INCLUDES A MONITORING TRAIN & ELEVATION INDICATOR.			CG-23ACF SC-2 ALTERNATOR VOLTAGE CONTROL UNIT: FOR CONTROL OF FIELD OF TYPE CG-21ABT MOTOR ALTERNATOR UNIT. SAME AS CG-23AAJ EXCEPT RHEOSTAT HAS A DIFFERENT VALUE. FOR USE IN EQUIPMENT HAVING 230 VOLTS DC SUPPLY.		
4/1/42 D-150569 MAR. 44 D-150557			4/13/42 D-150516 MAR. 44			5/27/42 ML-7763677-G4 MAR. 44		N-7467583 REV 2
CW-23ABY MARK 9 POWER CONTROL UNIT			CS-23ACA AIA CONTROL BOX INCLUDES (1) ONE COMBINATION MASTER "ON-OFF" SWITCH AND RANGE SELECTOR (2) TRANSMITTER SWITCH FOR HIGH VOLTAGE SUPPLIES (3) ONE CONTROL FOR A.F.C. SWITCH AND MANUAL TUNING (4) ONE GAIN CONTROL.			CG-23ACG MK 5 MOD 1 SYNCHRONIZER CONTROL UNIT SAME AS CG-23AAN BUT USES A DIFFERENT TARGET MARKER GENERATOR.		
4/1/42 D-150518 MAR. 44			5/7/42 R-5657079 MAR. 44			5/27/42 ML-7661693-G2 MAR. 44		
CLY 23ABM SE POWER CONTROL UNIT: INPUT: 450V DC AT .39 AMPS AND 115VAC/1/57.5 AT 3.0 AMPS; OUTPUT 450/300V DC AT .28/.11 AMPS AND 115/6.3/6.3V AC, 1 PHASE 57.5 CYCLE AT 3.0/4.0/3.3 AMPS. HEATER CIRCUITS. INPUT: 32/115/230V DC AT 18/5/2.6 AMP, OUTPUT: SAME AS INPUT. CONSISTS			CRY-23ACB ASB-4 POWER CONTROL UNIT CONTAINS, SUITABLE CONNECTORS AND FUSES FOR SUPPLYING REGULATED POWER TO VARIOUS UNITS OF THE EQUIPMENT. INCLUDES A VOLT-METER AND VOLTAGE CONTROL SWITCHES TO REGULATE THE OUTPUT VOLTAGE. INPUT: 115 TO 150 VOLTS, 1 PHASE, 600 TO 1400 CYCLES			CG-23ACH MK 5 MOD 1 COMPARATOR CONTROL UNIT: PERFORMS ALL THE NECESSARY MIXING AND DRIVING FUNCTIONS. DEVELOPS THE DIFFERENT OR ERROR SIGNALS FOR RANGE, ELEVATION AND TRAIN.		
4/10/42 D-150532 MAR. 44		CW:ESXX-682565 SUB 3	5/8/42 MI-17024 MAR. 44		P-255209 SUB 2	5/27/42 MAR. 44		
CLY 23ABW OF GENERATOR FIELD RHEOSTATS, DELAY RELAYS, REMOTE START-STOP SWITCH GENERATOR VOLTMETERS, TRANSTAT, FILAMENT TRANSFORMER LAPSED TIME METER, FUSES, SWITCHES ETC.			CRY-23ACB AT 4 AMPS, 425 WATTS.; OUTPUT: 115/1/600-1400 4.0 AMPS 425 WATTS.			CG-23ACJ ASC POWER DISTRIBUTION UNIT		
						*ESD-749475, ISSUE 1, ESD-686266, ISSUE 1 6/6/42 D-150507 MAR. 44		*SEE ABOVE
CLY-23ABW-1 SE POWER CONTROL UNIT SAME AS BASIC NUMBER EXCEPT FOR SUBSTITUTION OF A 0-800 DC MILLIAMETER FOR A 0-500 DC MILLIAMETER TO PERMIT OPERATION WITH THE CW-43AAF-1 TRANSMITTER-RECEIVER.			CW-23ACC MARK 8 RANGE UNIT SIMILAR TO CW-23AAV EXCEPT CONSISTS OF LC CIRCUIT (SEE ALSO CW-23ADV)			CW-23ACK ASC POWER CONTROL UNIT		
7/10/43 MAR. 44					BXX-12199 ISS 1 5/25/42 D-150557 DEC. 44	6/6/42 D-150506 MAR. 44		ESD-749478 ISSUE 1
CW-23ABX SE, SH, SJ ADAPTER CONTROL UNIT DPST CONTAINS CONTROL FACILITIES FOR INTER-CONNECTION OF THE RADAR AND THE IFF EQUIPMENT. COMPRISES SMALL METAL CABINET AND INCLUDES A SWITCH AND 4RF			CG-23ACD SC-2 CONTROL UNIT (TRAIN INDICATOR-CONTROL UNIT) SYNCHRO COMPASS CONTROL UNIT FOR SC-2. SAME AS CG-23AAF EXCEPT HAS INDICATOR AND DIAL LIGHT. CONTROLS INCLUDED WITHIN THE UNIT. THE OMISSION OF THE VIEWING HOOD CONTROL SWITCH "K" CHANGED FROM			CRY-23ACL MK 6 RADAR MAIN CONTROL ASSEMBLY: HOUSES ALL EQUIPMENT NECESSARY FOR GENERATING THE PULSES TO BE TRANSMITTED AND CONVERTING THE RECEIVER OUTPUT TO DRIVE THE SYNCHRO MOTORS IN THE DIRECTOR AND THE COMPUTER.		
4/11/42 D-150558 DEC. 44		*SEE ABOVE	5/27/42 ML-7661585-G3 DEC. 44		P-7764889 REV 3	7/11/42 MAR. 44		

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5.23-4

Class 23—Control Panels and Control Units

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
CRV-23ACM MK 6 RADAR POWER CONTROL UNIT CONTAINS THE MASTER CIRCUIT BREAKER FOR SWITCHING POWER TO THE TYPE-RADAR TRANSMITTER AND THE TYPE -23ACL MAIN CONTROL ASSEMBLY. ALSO CONTAINS FILAMENT TRANSFORMERS FOR THE TYPE CRV-35AAM MODULATION GENERATOR AND TYPE CRV-50ABJ	7/11/42 MAR. 44		CPR-23ACS ASG.ASG-1 REMOTE TUNING CONTROL CONSISTS OF A KNOB AND DIAL IN A SEPARATE HOUSING WHICH IS CONNECTED TO ONE END OF A FLEXIBLE DRIVE SHAFT THE OTHER END OF WHICH IS CONNECTED TO THE CIRCUIT TO BE TUNED.	7/31/42 MAR. 44	FLO-143	CW-23ACZ SE ANTENNA CONTROL UNIT FOR OPERATION FROM 32 VOLTS DC. PROVIDES FOR ROTATION OF ANTENNA ELECTRICALLY AT 1/2RPM OR MANUALLY. REPLACED BY -23ABY PLUS -10194.	1/12/43 MAR. 44	D-150958 ESXX-697257 ISSUE 1
CRY-23ACH PREAMPLIFIER HOUSED IN TYPE CRV-23ACL MAIN CONTROL ASSEMBLY.			CM-23ACT PF CONTROL BOX DEMOUNTABLE CONTROL BOX WHICH MAY BE MOUNTED REMOTELY TO CONTROL ON-OFF, VOLUME, RECEIVING OR TRANSMITTING (VOICE OR KEY). HAS RECEPTACLES FOR RECEIVER, TRANSMITTER, PHONES, MICROPHONE AND TELEGRAPH KEY.	8/1/42 MAR. 44	ESO-591191 ISSUE 1	CM-23ADA SE ANTENNA CONTROL UNIT FOR OPERATION FROM 115 VOLTS DC. PROVIDES FOR ROTATION OF ANTENNA ELECTRICALLY AT 1/2RPM OR MANUALLY. REPLACED BY -23ABY PLUS -10195.	1/12/43 APR. 44	D-150959 ESXX-697257 ISSUE 1
CRV-23ACN MK 6 RADAR CONTROL UNIT FOR CONNECTOR AMPLIFIERS: INCLUDES CONTROLS FOR ADJUSTING THE SENSITIVITY AND BALANCE OF THE RANGE, ELEVATION AND TRAIL MOTOR CONTROL UNITS. HOUSED IN TYPES CRV-23ACL MAIN CONTROL ASSEMBLY.	7/11/42 MAR. 44		CM-23ACU ASC-1 POWER DISTRIBUTION UNIT: SAME AS CW-23ACJ EXCEPT ONE LESS "AN" CONNECTOR AND INTERNAL WIRING CHANGES.			CG-23ADB SM-1 ANTENNA CONTROL UNIT		
CRV-23ACO MK 6 RADAR MANUAL RANGE CONTROL UNIT CONSISTS OF A DIFFERENTIAL SYNCHRO GENERATOR CONNECTED IN SERIES WITH THE DELTA R CIRCUIT FROM THE COMPUTER AND PROVIDES A MEANS FOR MANUALLY TRACKING A TARGET IN RANGE. LOCATED IN THE DIRECTOR NEAR THE RANGE READER.	7/13/42 MAR. 44		CG-23ACV BA REMOTE CONTROL UNIT: CONTAINS NECESSARY SWITCHES AND PILOT LIGHTS TO INDICATE OPERATION OF EQUIPMENT. INCLUDES APERTURE ON FRONT PANEL FOR USE IN INSERTION OF DISC FROM TYPE CG-67AAB KEYING DISC SET.	8/12/42 MAR. 44		CG-23ADC SM RANGE CONTROL UNIT (IN FILES)	1/18/43 APR. 44	
CRR23ACP ASB-5 POWER CONTROL UNIT CONTROLS THE 115/1/600-1400 POWER TO ALL OTHER UNITS OF THE EQUIPMENT. INCLUDES "OFF-WAIT 5 SEC-ON" SWITCH; THREE TOGGLE SWITCHES WHICH CUT IN 1.0.5. AND 0.25 MFD CAPACITORS IN PARALLEL WITH A 4 MFD CAPACITOR TO BRING LINE VOLTAGE UP TO NORMAL	7/14/42 MAR. 44	L-73813-A	RA-23ACW XBD CONTROL UNIT	9/4/42 MAR. 44		CRP-23ADD SO IFF CONTROL UNIT INCLUDES 400 CYCLE LINE VOLTMETER.	2/8/43 APR. 44	ML-7351471-G1 P-7765368 REV 0
CRR23ACP A 0 TO 150 VOLT AC METER CONNECTED ACROSS LOAD; TWO FUSE RECEPTACLES (2 AMP, 3 AMP) CONNECTED IN THE CIRCUIT; TWO SPARE FUSE RECEPTACLES INCLUDING FUSES.			CS-23ACX ASD CONTROL UNIT INCLUDES FOLLOWING: TRANSMITTER SWITCH, MASTER ON-OFF SWITCH AND RANGE POSITION SWITCH. ANTENNA SWITCH WITH FIVE POSITIONS POTENTIOMETER FOR CONTROL BEACON TUNING AND A.F.C. SWITCH, AND GAIN CONTROL POTENTIOMETER.	11/7/42 MAR. 44	R-657327 R-702291 REV 0	CZE-23ADE MARK 16 MAIN CONTROL UNIT SAME AS CW-AAK EXCEPT HAS LARGER TERMINAL TUBE FOR ONE CABLE.	2/11/43 APR. 44	D-151405
CS-23ACQ ASD CONTROL UNIT INCLUDES FOLLOWING SWITCHES: BEACON TUNING, ANTENNA POSITION, OFF-RADAR-BEACON, ANOTRANSMITTER ON-STANDBY, ANTENNA POSITIONS: 3.	7/16/42 MAR. 44	R-808034-D	CPR-23ACT CPR-55ADD CONTROL UNIT INCLUDES FOCUS, BRILLIANCE AND VERTICAL CENTERING POTENTIOMETERS AND THE RANGE SWITCH. DESIGNED TO PROVIDE INSTALLATION FLEXIBILITY THAN POSSIBLE IF CONTROLS WERE A PART OF THE REPEATER INDICATOR SINCE IT CAN BE ATTACHED DIRECTLY TO THE	1/5/43 MAR. 44	SK-0764 12/14/42	CW-23ADF MK 16 RANGE UNIT	2/11/43 APR. 44	D-150876 ES-694943
CRY-23ACR ARE,ARF,ARG,ARM VOLTAGE CONTROL UNIT INPUT: UP TO 28.0 VOLTS DC, 8.9 AMPS. OUTPUT: 25.0 VOLTS, 8.9 AMPS. (SHOCK MOUNT IS MI-17082-2 ON SAME DWG)	7/20/42 MAR. 44	MI-17038-A MI-17082-2	CPK-23ACT INDICATOR WHERE SPACE PERMITS OR BE LOCATED SEVERAL FEET AWAY.			-23ADG MK 16 ANTENNA CONTROL UNIT	2/11/43 APR. 44	D-151334 ES-696009

Class 23—Control Panels and Control Units

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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
CZC-23ADH SJ-1 MAIN CONTROL UNIT SAME AS CZC-23AAH EXCEPT FOR OMISSION OF ANTENNA CONTROL SWITCH, AND PROVISIONS FOR ADDITIONAL CABLE CONNECTIONS.	2/17/43 APR. 44	D-151386 BXX-12199 ISSUE 1	CW-23ADN RECEIVED SIGNAL AND THEREFORE THE RANGE OF THE TARGET MAY BE ACCURATELY DETERMINED.			CRP-23ADU 0.8 AMPS, 85 WATTS, 24 OR 115V DC, 0.106 AMPS 90 VOLTS NEGATIVE GATE.		
CW-23ADJ MK 19 RANGE UNIT HAS AIDED TRACKING. SIMILAR TO -23ABU EXCEPT SYNCHRO OUTPUT IS 10000 YDS/ REVOLUTION INSTEAD OF 1000 AND 24000 YDS/ REVOLUTION.	3/5/43 APR. 44	D-151345 BXX-11244 ISSUE 2	CW-23A00 MK 12 OPERATOR'S CONTROL UNIT (RADAR CONTROL UNIT (OPERATOR'S) MARK 8 MOD 0); (SEE TN FILES)	3/31/43 APR. 45	D-150909 BO-11288 ISSUE	CAEQ 23ADU-1 SO-7H/7N ACCESSORY CONTROL UNIT INPUT: 115/1/400 @ 0.7 AMPS, 80 WATTS, 24 OR 115V DC @ 0.106 AMPS, 90 VOLTS NEGATIVE GATE. USED FOR (1) ACCURATE RANGING (2) RESONANCE CHAMBER INDICATOR AND REMOTE CONTROL (3) IFF CONTROL (4) RELATIVE BEARING ON-OFF SWITCHING. 6/8/44 RX-1274 M3K-U8 OCT. 44 SUB B		
CW-23ADK MK 19 TRAIN AND ELEVATION INDICATOR CONTROL. INCLUDES A MONITORING TRAIN AND ELEVATION. SIMILAR TO -23ABZ EXCEPT DESIGNED FOR NEW RATE OF MODULATION.	3/5/43 APR. 44	D-151344 BXX-11244 ISSUE 2	CW-23ADP MK 12 POWER CONTROL UNIT (RADAR CONTROL UNIT (POWER) MARK 7 MOD 0); (SEE TN FILE)	3/31/45 APR. 45	D-150913 BR-11294 ISSUE 1	CAEQ23ADU-1 ENCLOSURE IS WATERPROOF AND DESIGNED FOR BULKHEAD MOUNTING. SAME AS -23ADU EXCEPT FOR IMPROVED CIRCUIT DESIGN.		
GCH 23ADK-1 MK 29 MOD 2 TRAIN & ELEVATION INDICATOR CONTROL: SAME AS -23ADK EXCEPT FOR MINOR INTERNAL MODIFICATIONS TO IMPROVE SPOT PERFORMANCE.	7/31/44 OCT. 44		CRV-23ADQ N173S-4899 RADAR TRANSMITTER CONTROL UNIT (FOR DESCRIPTION SEE N173S-4899 JACKET) INCLUDES AN AUTOTRANSFORMER RATED AT 220/1/60. 7KVA FOR PLATE VOLTAGE CONTROL OF TYPE CRV-52ACM RADAR TRANSMITTER.	4/13/43 APR. 44	PROJECT 187-3 PART 2 OF 2 M-440404 REVO	CW-23ADY MK 18 RANGE UNIT SAME ASCW-23ACC BUT HAS DIFFERENT SYNCHRO SPEEDS: 2-36 INSTEAD OF 1-24 (MODIFICATIONS IN THE AIDED TRACKING UNIT (D-151655) PROVIDE SYNCHRO OUTPUT OF 2000 AND 36,000 YARDS PER REVOLUTION). D-151656, D-151655, D-150568 5/28/44 *SEE ABOVE APR. 44 ESXX-697795 ISSUE 3		
CG-23ADL SC-3 CONTROL UNIT SIMILAR TO CG-23ACD EXCEPT FOR ELIMINATION OF BEARING-MARK SWITCH AND REMOTE RELATIVE BEARING INDICATOR SWITCH.	3/9/43 APR. 44	ML-7661585-G4 P-7764889 REV 3	CHZ-23ADR USE WITH SM IFF COORDINATION CONTROL PANEL. (SEE SM JACKET)	4/16/43 APR. 44	GL-7350 REV 0	CHZ-23ADM BQ CONTROL BOX THIS UNIT CONTAINS 3 ITEMS IN ADDITION TO CONNECTORS. (1) A GAIN CONTROL FOR THE EQUIPMENT; (2) A SOCKET FOR AN INDICATOR LAMP (LAMP NOT INCLUDED); AND (3) A KEY SWITCH WHICH INTERCONNECTS A BQ EQUIPMENT, A SEARCH EQUIPMENT AND BL EQUIP-7/22/43 BQ CONTROL BOX *SEE PLATE 2 APR. 44		
G-23ADM SM ONSOLE ASSEMBLY ONSISTS OF ONE EACH OF TYPES -20ABZ, 20ACB, -23ADC, -35AAQ, -35AAR, -46ACK, 50ACK, -55ADH, -55ADJ, -55ADK AND 55ADH.	DL-8026976 /29/43 EB. 45	DL-4H176A M-19J587 ML-7351471G1 @	CG-23ADS SQ ANTENNA CONTROL UNIT INPUT: 115/1/60; 150-300VDC. 0.007 AMPS; 6.3VAC. 0.3 AMPS. AZIMUTH INDICATOR CALIBRATED EACH DEGREE FOR 360°. INCLUDES SINUSOIDAL POTENTIOMETER ANTENNA DRIVE, MOTOR, AZIMUTH INDICATOR, AND B SWEEP MICROSWITCH.	4/29/43 APR.	M-19J780 REV 1	CHZ-23ADM MENT AND THROUGH WHICH THE BL EQUIPMENT IS DISABLED AND THE BQ PUT IN OPERATION. *1-1207, ISSUE 1, 1-1256 ISSUE 1		
CG-23ADM-1 SM CONSOLE ASSEMBLY CONSISTS OF ONE EACH OF TYPES -20ABZ -20ACA-20ACB-23ADC-35AAQ-35AAR-46ACK -50ACF-55ADH-55ADJ-55ADK AND -55ADM-1. SAME AS -23ADM EXCEPT USES A -55ADM-1.	1/15/44 APR. 44		CHZ-23ADT IFF POWER CONTROL PANEL INPUT: 117/1/60, 9.55 AMPS. CONTROLS ALL POWER INPUT TO THE BM AND BQ IFF EQUIPMENT.	5/15/43 APR. 44	MA-1098 MA-1098 REV 0	CAES-23ADX SL-a, SL-1 RANGE UNIT OPERATION OF THE RANGE KNOB CONTROLS THE RADIUS OF A STEERABLE RANGE CIRCLE ON THE PPI SCREEN; WHEN THE CIRCLE HAS BEEN PROPERLY ADJUSTED THE RANGE OF THE OBJECT IS READ FROM THE RANGE DIAL AT THE TOP. ALSO SUPPLIES AZIMUTH SWEEP TRIGGER AND 8/26/43 CW-D-151743 APR. 44 CW:BRH13956 ISSUE 1		
CM-23ADM MK 12 RANGE UNIT SUPPLY: 115/1/60, 1.2 AMPS, 120 WATTS FOR FILAMENTS AND SPINNER MOTORS AND 300V DC, 100MA FOR PLATE POWER. PROVIDES TIME WORK WHOSE TIME RELATIONSHIP WITH RESPECT TO OUTGOING TRANSMITTED PULSE MAY BE ADJUSTED SO THAT TIME DELAY OF A	3/31/43 DEC. 44	D-150905 BR-11284 ISSUE 1	CRP-23ADU SO-7 ACCESSORY CONTROL UNIT; THIS UNIT PERFORMS THE FOUR FOLLOWING FUNCTIONS: ACCURATE RANGING RESONANCE CHAMBER INDICATOR AND REMOTE CONTROL IFF CONTROL, AND RELATIVE BEARING ON-OFF SWITCHING. ENCLOSED IN WATERPROOF CASE. MOUNTS ON BULKHEAD. INPUT: 115/1/400, 5/28/43 WX-5238 M-3K-U8 DEC. 44 SUB A			CAES-23ADX VIDEO INFORMATION TO PPI REPEATERS. A SWITCH ON THIS UNIT ALSO TRANSFERS PPI REPEATERS FROM TRUE TO RELATIVE BEARING.		

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NAVSHIPS 900,109

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Class 23—Control Panels and Control Units

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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CJP-23ADT ASB-7
CONTROL UNIT
MECHANICALLY THE SAME AS CJP-23ABM, BUT VOLTMETER AND ALL COMPENSATING CAPACITORS AND ASSOCIATED SWITCHES HAVE BEEN REMOVED.

9/6/43 DL-7501564 CAT:P-7711408
APR. 44 GROUP 9 SUB 1

CRP-23ADZ SO-1
ACCESSORY CONTROL UNIT:
SAME AS TYPE -23ADU EXCEPT MOUNTS IN TYPE -10252 MOUNTING RACK AND HAS NO PROVISIONS FOR BULKHEAD MOUNTING. INPUT: 115V, 400 CYCLES, 0.8 AMPS, 24V, DC @ .106 AMP NEGATIVE GATE 90V. RELATIVE BEARING CONTROL 4V. OUTPUT: RANGE MARK IV.
9/24/43 WX-5238-A M-3K-U221
APR. 44 SUB A

CUJ-23AEA BR
CONTROL UNIT;
CONNECTS TO 14 VOLT DC SOURCE AND PROVIDES 12 VOLTS DC TO CQJ-43ACE RADIO TRANSMITTER-RECEIVER. UNIT INCLUDES ON-OFF SWITCH, FILAMENT ADJUSTING RHEOSTAT, PHONE JACK FOR MONITORING REGENERATION CONTROL, AND METER WITH PUSH
9/28/43 3379
DEC. 44

CUJ-23AEA
BUTTON SWITCH FOR INDICATING OSCILLATOR FILAMENT VOLTAGE AND CURRENT. THE RATED INPUT CURRENT IS 10 AMPS.

CBM-23AEB ACCESSORY TO SF, SF-1
TRUE BEARING CONTROL UNIT:
INPUT: 70V DC, 0.75 AMPS, CONSISTS OF: ONE 70 VOLT STEP BY STEP GYRO-COMPASS REPEATER MOTOR, ONE SDG SYNCHRO, ONE MULTIPLE ROTARY SWITCH, TERMINAL BLOCK, AND SHOCK MOUNTED METAL HOUSING. THIS UNIT
10/7/43 977-A SK-5855
APR. 44 ALT 0

CBM-23AEB
SERVES TO AUTOMATICALLY KEEP ANTENNA FOCUSED ON ANY DESIRED TRUE BEARING.

CM-23AEC MARK 20
CONTROL UNIT:
INCLUDES HANDWHEELS AND ASSOCIATED GEARS OF CONTROLLING THE AZIMUTH ROTATION AND ELEVATION OF THE ANTENNA. TWO DIALS GEARED TO THE DRIVING MECHANISM ARE ASSOCIATED WITH THE TWO HANDWHEELS ON FRONT OF THE CONTROL UNIT AND PROVIDE
11/2/43 X-66189-C ES-662706
APR. 44 ISSUE 1

CM-23AEC
INDICATIONS OF THE POSITION OF THE ANTENNA IN AZIMUTH AND ELEVATION. THESE ARE CALIBRATED IN MILS, BUT SPARE DIALS PROVIDED ARE CALIBRATED IN DEGREES.

CM-23AED MARK 22
CONTROL PANEL
CONSISTS OF DOOR ON CM-50ADQ AMPLIFIER-POWER ASSEMBLY AND CONTAINS POWER CONTROL FUSING AND DISTRIBUTION FACILITIES.

12/6/43 D-151702 BR-13629
APR. 44 ISSUE 2

CRP-23AEE SO-3
ACCESSORY CONTROL UNIT:
SAME AS CRP-23ADZ EXCEPT FOR PANEL SWITCH TO CHANGE FROM AFC TO MANUAL TUNING AND THE ADDITION OF A RESONANCE CHAMBER INDICATOR. SUPPLY: 115/1/400.

12/7/43 RX-1048 M-5K-U3
APR. 44 SUB A

CRP-23AEF SO-11
ACCESSORY CONTROL UNIT:
SAME AS CRP-23ADZ EXCEPT OPERATES FROM 115 VOLTS, 10, 60 CYCLES INSTEAD OF 115 VOLTS, 10, 400 CYCLES.

12/7/43 RX-1023 M-4K-U10
APR. 44 SUB B

CRP-23AEG SO-12-M
ACCESSORY CONTROL UNIT
SAME AS CRP-23AEE EXCEPT IS DESIGNED FOR BULKHEAD INSTEAD OF CRADLE MOUNTING AND SUPPLY CASE ARRANGEMENT IS SAME AS CRP-23ADU. SUPPLY: 115/1/60.

12/7/43 RX-1047 M-36K-U1
APR. 44 SUB A

CG-23AEH SP-1M
ANTENNA CONTROL UNIT:
SUPPLY: 115/1/60. INCLUDES 2 TYPE -21ACT MOTOR DYNAMO AMPLIFIER UNIT, TWO SERVO AMPLIFIERS FOR TRAIN AND ELEVATION, HAS INTERLOCK PROTECTION CIRCUITS AND PEDESTAL MOTOR FIELD SUPPLY. OUTPUT: 250V DC, 1.5 AMPS, 375 WATTS, TO AZIMUTH
12/30/43 DL-8233117-G1 T-8002399
DEC. 44 REV 2

CG-23AEH
AND ELEVATION DRIVE.

CRP-23AEI

UNASSIGNED

APR. 44

CRP-23AEJ SO-C.D. SO-3
BEARING CONTROL UNIT:

12/7/43 WX-5644 M-55A-V4
APR. 44 SUB B

CRP-23AEK SO-1a, 8 SO-4
BEARING CONTROL UNIT:

12/7/43 WX-5650
APR. 44

CRP-23AEL SO-11
BEARING CONTROL UNIT.

12/7/43 RX-1038 D-158-V6
APR. 44 SUB A

CG-23AEM SP
POWER CONTROL UNIT:
CONTAINS NECESSARY SWITCHES FOR ENTIRE EQUIPMENT, INCOMING ANTENNA MOTORS, MODULATORS, TRANSMITTER AND CONSOLE. UNIT ALSO CAN INCREASE OR DECREASE TRANSMITTER POWER AND A MEANS OF DETERMINING OVERLOADED CIRCUITS IS PROVIDED.
12/28/43 DL-4W380-A
APR. 44

CG-23AEM SP
CONSOLE ASSEMBLY:
CONSISTS OF 2 FRAMES BOLTED TOGETHER AND CONTAINING THE -20ACP HV POWER UNIT, -20ACQ MAIN POWER UNIT -20ACR AND AUXILIARY POWER UNIT -23AEM POWER CONTROL UNIT, -35ABA RANGE UNIT, -46ADE RADAR RECEIVER, -55AES PLAN POSITION INDICATOR, -55AET
12/29/43
APR. 44

CG-23AEM
IFF COORDINATION UNIT, -55AEU INDICATOR UNIT, AND -55AEV PRECISION ALIGNMENT UNIT.

CG-23AEO SK-1M
CONTROL UNIT
SIMILAR TO CG-23ADL EXCEPT (1) PLATE VARIAC ELIMINATED (2) ONE SYNCHRO CAPACITOR ELIMINATED (3) TRUE RELATIVE SWITCH ELIMINATED (4) 2 TOGGLE SWITCHES FOR CONTROL TROLLING TRANSMITTER CIRCUITS ADDED.
*P-7765825 SUB 0 CG:T-7662874 REV 0
1/2/44 HL-7662945-G2 *SEE ABOVE.
DEC. 44

CG-23AEP SK-1M
POWER DISTRIBUTION UNIT
CONSISTS OF A DISTRIBUTION PANEL FOR 1 AND 3 PHASE SUPPLY TO VARIOUS UNITS OF THE EQUIPMENT PROVIDES NECESSARY SWITCHES FOR TRANSFERRING FROM 1 TO 3 PHASE AND VICE VERSA. SEPARATE CONTROLS FOR INDIVIDUAL DUAL UNITS TRAILER OUTLETS.
1/2/44 HL-7351956-G1 P-7767199
DEC. 44 HL-7351956-G3 REV 0

CG-23AEP
HEATING AND VENTILATING EQUIPMENT AND TRAILER LIGHTS. EACH CIRCUIT IS EQUIPPED WITH A CIRCUIT BREAKER. SUPPLY: 120/1/60 AND 120/3/60.

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 23—Control Panels and Control Units

5.23-7

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
CW-23AEQ MK-28 RANGE UNIT SAME AS TYPE-23ADJ EXCEPT MODIFIED TO PROVIDE SYNCHRO OUTPUTS OF 2000 AND 3600 YARDS PER-REVOLUTION.	1/6/44 APR. 44	D-151976 BXX-14758 ISSUE 1	CAT-23AEM SR GENERAL CONTROL PANEL: PROVIDED WITH SUITABLE CONTROLS FOR TURNING ON AND OFF THE ENTIRE RADAR SYSTEM. ALSO HAS A TRANSMITTER PLATE VOLTAGE CONTROL.	1/12/44 DEC. 44	T-7611462 SUB 0	CW-23AFB MARK 12 MOD 1 RANGE UNIT (RADAR RANGE UNIT MARK 5 MOD 0): SIMILAR TO -23ADN EXCEPT TOP PLATE MOUNTING HAND CRANK AND SWITCHES HAVE BEEN REPLACED BY THE D-151558 RANGE UNIT MOTOR DRIVE, CONSISTING OF A SMALL SERIES WOUND AC ROTOR GEARED TO RANGE SHAFT AND HAND CRANK, 3/17/44 D-151559 APR. 45		
CBM-23AER SU BEARING AND GYRO SWITCH: USED WHEN 60 CYCLE SYNCHRO DATA IS AVAILABLE. INCLUDES A GYRO EMERGENCY SWITCH CONVERTS MODEL SU INDICATIONS FROM BOTH TRUE AND RELATIVE BEARING TO RELATIVE BEARING ONLY IN CASE GYRO SYNCHRO DATA FAILS OR IS NOT AVAILABLE. IT ALSO 1/6/44 986 APR. 44		SK-5930 ALT 0	CNM-23AEX SA-2 CONTROL UNIT: INPUT: 115/1/60, 19.6 AMPS. CONTAINS MAIN POWER SWITCH. CONTROLS ANTENNA AZIMUTH SETTINGS AND SPEED OF ANTENNA ROTATION. HAS TRANSMITTER "ON-OFF" SWITCH. CONTROLS PLATE CURRENT. CONTROLS LEFT-RIGHT LOBE SWITCHING OF ANTENNA AND PRO- 2/2/44 PART OF DEC. 44 MI-18001-D		M-440416 REV 4	CW-23AFB FUSES, INDICATING LAMP AND LIMIT SWITCHES ALL HOUSED IN AN ENCLOSURE WHICH MOUNTS ON TOP OF THE RANGE UNIT.		
CBM-23AER SWITCHES POWER TO THE NAVY TYPE CBM-20272 CONTROL RECTIFIER FROM GYRO EXCITATION TO SU EQUIPMENT SOURCE OF 60 CYCLES POWER. (SEE FILES FOR POWER REQUIREMENTS).			CNM-23AEX VIDES FOR ADJUSTMENT OF EQUIPMENT VOLTAGE.			CW-23AFC MK 12 MOD 1 RANGE CONTROL UNIT (RADAR CONTROL UNIT (RANGE) MARK 9 MOD 0): CONSISTS OF A HOUSING CONTAINING A 500G SYNCHRO-DIFFERENTIAL GENERATOR, A 78 VOLT TRANSFORMER WITH A 115/1/60 PRIMARY SUPPLIED BY THE SHIPS' SUPPLY, AND VARIOUS SWITCHES FOR CONTROLLING THE -23AFB 3/17/44 D-150919 APR. 45		
CZE-23AES OBJ CONTROL CONSOLE CONSISTS OF CABINET AND THE FOLLOWING NAVY TYPES: (1) -20273 RECTIFIER POWER UNIT (1) -20274 REGULATED AC POWER UNIT (6) CZE-21ACO INTEGRATING MOTOR & POTENTIOMETER UNIT. (1) -23AET OWN SHIP CONTROL UNIT (3) -23AEU TARGET CONTROL UNIT 1/9/44 APR. 44			CRP-23AEY SO, SO-A (**) STEP MOTOR CONTROL UNIT: PLACES COMPASS SIGNAL ON ANTENNA STEP MOTOR DIFFERENTIAL ASSEMBLY AND ENERGIZES THE STEP MOTOR FROM A SEPARATE DC SOURCE SO THAT BEARING READINGS AND CORRECTIONS MAY BE MADE. ONE REVOLUTION OF A SWITCH IN THIS UNIT RESULTS IN A BEARING CHANGE 2/5/44 RX-1157 APR. 44		M-3S-V7 SUB A	CRP-23AFD SO-4 ACCESSORY CONTROL UNIT: SAME AS -23AEG EXCEPT IS DESIGNED FOR CABLE ASSEMBLY OF BULKHEAD MOUNTING. SUPPLY: 115/1/60.		CR-14AFC RANGE UNIT.
CZE-23AES (1)-23AFA TARGET ESCORT CONTROL UNIT. (6) -50ADW INTEGRATING UNIT (3) -50ADX RANGE AND SERVO UNIT. (1)-66AHO ANTENNA SIMULATOR UNIT. INPUT: 115/1/60			CRP-23AEY IN THE INDICATOR OF 4° FOR BULKHEAD MOUNTING. ANXsr-43375			3/22/44 .RX-1047-A APR. 44		M-9K-U2 SUB A
CZE-23AET OBJ OWN SHIP CONTROL UNIT 1/10/44 APR. 44			CG-23AEZ SC-4, SK-3 CONTROL UNIT: TRAIN INDICATOR CONTROL UNIT SIMILAR TO -23ADL EXCEPT (1) HAS NAVY APPROVED NOMENCLATURE (2) AUTO-MANUAL AND LOCAL PPI SWITCHES ARE ELIMINATED (3) CIRCUIT CHANGES NECESSITATED BY CHANGES IN POWER SUPPLIES (4) IFF REMOTE RELAY RESET- 2/15/44 ML-7663448-G1 DEC. 44		CG:P-7767049 REV 1	CW-23AFE MARK 13 REMOTE CONTROL UNIT: CONTAINS A 5 DG SYNCHRO MOTOR TO DRIVE THE RANGE UNIT, A RANGE SLEWING KEY AND A STANDBY-TO-OPERATE SWITCH. UNIT IS MOUNTED IN THE DIRECTOR TO DUPLICATE THE RANGE UNIT CONTROLS AT THE CONTROL CONSOLE ASSEMBLY. 4/11/44 D-152169 APR. 44		
CZE-23AEU OBJ TARGET CONTROL UNIT 1/10/44 APR. 44			CG-23AEZ SEPARATION AT TERMINAL BOARD OF SYNCHRO AND POWER CIRCUITS ADDED (5) SELENIUM RECTIFIER ADDED. INCLUDES -50ABN CONTROL AMPLIFIER.			CW-23AFF MARK 13 CONTROL CONSOLE ASSEMBLY CONTAINS MAIN RANGE & TRAIN INDICATOR, FUSES, POWER CONTROL CIRCUITS, LONG RANGE UNIT, SLEWING AND SELSYN DRIVE FOR RANGE UNIT AND RANGE REPEATER. DRAWER SECTION IS INCLUDED CONTAINING MODULATION GENERATOR, VIDEO, SWEEP, IF AMPLIFIER, 4/11/44 CW:D-152171 OCT. 44		
CAT-23AEV SR IFF COORDINATOR PROVIDES NECESSARY CONTROL CIRCUITS FOR PRESENTING IFF SIGNALS ON RANGE SCOPE SIMULTANEOUSLY WITH ECHOS FROM SEARCH EQUIPMENT. 1/12/44 DEC. 44		T-7611434 SUB 1	CZE-23AFA OBJ TARGET ESCORT CONTROL UNIT			CW-23AFF BEARING AND RANGE LINE GENERATOR AND AJ CIRCUIT. PROVIDES MASTER CONTROL OF THE MARK 13 SYSTEM.		
				3/10/44 APR. 44				

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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
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CW-23AFG PL
 SWITCHING CONTROL UNIT REGULATES THE MANNER IN WHICH THE CARRIER FREQUENCIES ARE SUPPLIED TO THE "A" AND "B" SYSTEM MODULATOR CIRCUITS. CIRCUIT CONSISTS OF AN ADJUSTABLE AUDIO FREQUENCY OSCILLATOR, A PHASE CONTROL CIRCUIT, A FREQUENCY DIVIDER, A PULSE
 4/24/44
 OCT. 44

CW-23AFG
 PROPORTION CIRCUIT, AND A DUAL OUTPUT CIRCUIT. THE TWO OUTPUTS ARE COMPLEMENTARY SQUARE WAVES WHICH ARE FED TO THE "A" AND "B" SYSTEMS PROPERLY ADJUSTED AS TO PERIOD, AND PROPORTION OF EACH PERIOD COVERED BY EACH PHASE.

CW-23AFH MARK 20 MOD 1
 CONTROL UNIT PROVIDES AZIMUTH AND ELEVATION HANDWHEELS FOR CONTROL OF ANTENNA. SIMILAR TO -23AEC EXCEPT (1) HAS PROVISION FOR SWITCH CONTROLLING AN AZIMUTH SLEWING MOTOR IN THE ANTENNA DRIVE UNIT (2) AZIMUTH INDICATOR DIAL IS OMITTED
 5/22/44 X-66189-AC CW:3L-417551
 DEC. 44 ISS. 1

CW-23AFH
 (3) CHANGES IN INTERNAL WIRING.

CW-23AFI
 DO NOT ASSIGN "I."

CW-23AFJ MK 8 MOD 2
 SCANNING MOTOR CONTROLLER INCLUDES CONTACTORS FOR ON-OFF CONTROL OF ANTENNA ELEVATION AND PHASE SHIFTING MOTORS, AS WELL AS CONTACTORS FOR SCANNING SPEED CONTROL. SAME AS -23AAZ EXCEPT IS WIRED TO DRIVE -66AHZ AT HIGH SPEED ONLY.
 5/29/44 D-152518 BX-21226
 OCT. 44 ISSUE 1

CAOA-23AFK SO-4
 BEARING CONTROL UNIT: ACCEPTS COMPASS SIGNAL AND BY MEANS OF A STEP MOTOR TURNING ON AN ELECTRICAL DIFFERENTIAL THE SIGNAL IS COMBINED WITH THE ANTENNA POSITION TO TRANSMIT TRUE BEARING TO THE INDICATOR. CONTAINS IF AND 50G SYNCHROS WHICH DERIVE POWER FROM
 6/9/44 CRP-RX-1162 CRP:9S-864
 OCT. 44 SUB A

A 5G SYNCHRO IN THE AN- CAOA-23AFK TENNA. STEP MOTOR IS DRIVEN BY THE STEP BY STEP COMPASS SYSTEM. SYNCHRONIZATION IS PROVIDED BETWEEN ANTENNA AND THIS UNIT AND BETWEEN THIS UNIT AND THE INDICATOR. UNIT IS HOUSED IN A SPLASH-PROOF CASE DESIGNED FOR BULKHEAD MTC.

CW-23AFL GEN. RADAR USE
 RADAR DISTRIBUTION SWITCHBOARD: FOR CONNECTING ANY ONE OF 20 RADAR REPEATERS (REMOTE PPI) TO ANY ONE OF 5 RADAR SYSTEMS.

6/23/44 CAL-20000 CAL-20000
 OCT. 44

CG-23AFM MARK 33
 ANTENNA CONTROL UNIT: SUPPLY: 115/1760. CONTAINS REVERSING MAGNETIC SWITCHES AND PUSH BUTTON FOR CONTROLLING TRAILER ELEVATOR. MAGNETIC SWITCHES AND PUSH BUTTONS FOR CONTROL POWER. 2 SELENIUM OXIDE RECTIFIERS AND TRANSFORMER FOR PEDESTAL DRIVE MOTOR
 6/28/44 DL8236520G W-8677249
 APR. 46 REV 2

CG-23AFM
 FIELD SUPPLY. SERVO AMPLIFIER FOR AMP-LIDYNE CONTROL. POTENTIOMETER AND SWITCH FOR SELECTING POSITION OR RATE CONTROL BULL'S EYE FOR INDICATING AMP-LIDYNE OVERLOAD. A 5CT SYNCHRO AT 36 SPEED, TWO 50G SYNCHROS AT 1 AND 36 SPEED AND 2 SYNCHRO CAPACITORS.

CG-23AFM SC-4
 CONTROL UNIT: SIMILAR TO CG-23AEZ EXCEPT AN ADDITIONAL SELENIUM RECTIFIER HAS BEEN ADDED FOR ANTENNA DRIVE MOTORS IN CG-66AJE OR CG-66AJF ANTENNA.

7/26/44 ML-7663861G1 P-7768025
 OCT. 44

GCH-23AF0 MK. 29 MOD 2
 RANGE UNIT: SIMILAR TO -23ADJ EXCEPT (1) RANGE SYNCHRO REMOVED AND 3 POTENTIOMETERS ADDED -2 FOR RANGE FUNCTIONS AND 1 FOR RANGE RATE. MECHANICALLY SAME SIZE AS -23ADJ.

7/31/44
 OCT. 44

CW-23AFP ST
 SELECTOR CONTROL UNIT: CONTAINS SWITCHES AND PILOT LIGHTS OF NAVY MODEL ST EQUIPMENT WITH POTENTIOMETER FOR CONTROL OF PULSE REPETITION RATE.

8/16/44 D-152274 BXX-19895
 OCT. 44 ISSUE 3

CW-23AFQ MK 13 MOD 0
 RECEIVER CONTROL UNIT: DAWER TYPE UNIT USED WITH CW-23AFF CONTROL CONSOLE ASSEMBLY. CIRCUITS INCLUDED IN THIS PANEL OF THIS UNIT ARE: MODULATION GENERATOR, VIDEO, SWEEP, IF AMPLIFIER, BEARING AND RANGE LINE GENERATOR AND AJ CIRCUIT. POWER DISSIPATION 220
 9/5/44 D-152366 BX-21561
 OCT. 44 ISSUE 1

CW-23AFQ
 MATTS.

CW-23AFR MK 8, MOD 3
 SCANNING MOTOR CONTROLLER INCLUDES CONTACTORS FOR ON-OFF CONTROL OF ANTENNA ELEVATION AND PHASE SHIFTING MOTORS, AS WELL AS CONTACTORS FOR SCANNING SPEED CONTROL. UNIT IS A CONVERTED -23AFJ SCANNING MOTOR CONTROLLER, MODIFIED BY REPLACING FUSES (TO 10 AMPS)
 9/15/44 D-152645 BX-50086
 APR. 46 ISS 1

CW-23AFR
 AND HEATERS (TO 1.3 AMPS AT 440 VOLTS) FOR OPERATION WITH DRIVE MOTOR OF CW-66AHU ANTENNA ASSEMBLY. POWER DISSIPATION 25 WATTS.

CW-23AFS MK 8, MOD 2
 PULSE RATE CONTROL UNIT CONSISTS OF A RECTANGULAR STEEL BOX IN WHICH IS MOUNTED A 200,000 OHM COMPOSITION POTENTIOMETER (-631295-20); EQUIPPED WITH A KNOB, GRADUATED DIAL AND DIAL LOCK. AN "AN" CONNECTOR (APPROXIMATELY 2 5/16" LONG) PROVIDED FOR BRINGING IN
 9/15/44 D-152528 BX-21226
 OCT. 44 ISS. 1, UNIT 22

CW-23AFS
 MCOS-4 CABLE. POWER DISSIPATION LESS THAN ONE WATT.

CW-23AFT MK 8, MOD 3
 PULSE RATE CONTROL UNIT IS A CONVERTED -23AFS PULSE RATE CONTROL UNIT, MODIFIED BY REPLACING 200,000 OHM COMPOSITION POTENTIOMETER (-631295-20) WITH A 20,000 OHM COMPOSITION POTENTIOMETER. CHANGE REQUIRED FOR OPERATION WITH CW-35ABT MODULATION
 9/15/44 D-152695 BX-50088
 OCT. 44 ISS. 1.

CW-23AFT
 GENERATOR. SAME OUTLINE DIMENSIONS AND MOUNTING PROVISIONS AS CW-23AFS.

CW-23AFU MK 13, MOD 0
 RANGE UNIT & DRIVE ASSEMBLY UNIT IS PART OF -50AER AMPLIFIER CABINET ASSEMBLY. ACCURATELY MEASURES RANGES FROM 0 TO 50,000 YARDS, LOCALLY CONTROLLED OR BY MEANS OF CW-23AFE REMOTE CONTROL UNIT. CONSISTS OF MECHANICAL ASSEMBLY OF DRIVING MOTOR FOLLOWUP HEAD.
 9/15/44 D-152180 BX-21560
 OCT. 44 ISSUE 1

CW-23AFU
 RANGE TRANSMITTING SYNCHROS, POTENTIOMETERS & PHASING CAPACITOR. ELECTRICAL MEACHOM TYPE RANGE UNIT PART OF ASSEMBLY. BOTH ELECTRICAL & MECHANICAL UNITS ARE MOUNTED IN A CRADLE ASSEMBLY READILY REMOVABLE FROM CABINET. POWER DISSIPATION 150 WATTS.

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 23—Control Panels and Control Units

5.23-9

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
CW-23AFV MK 28, MOD 2 TRAIN AND ELEVATION INDICATOR CONTROL: INCLUDES A MONITORING TRAIN AND ELEVATION INDICATOR, SIMILAR TO -23ADK EXCEPT RESPONSE TIME OF MODULATOR CIRCUITS CHANGED FROM 0.5 SECONDS TO 0.3 SECONDS. MODIFICATION CONSISTS OF ADDITION OF TEN 0.1/0.1/0.1 PAPER CAPACITORS 9/22/44 D-152471 BX-21950 DEC. 44 ISSUE 1			CW-23AFZ MK 34, MOD 384 RADAR CONTROL UNIT (INDICATOR) MK 6 MOD 0: INCLUDES A MONITORING TRAIN AND ELEVATION INDICATOR, SIMILAR TO TYPE CW-23AFV EXCEPT IT DOES NOT INCLUDE CIRCUIT FOR OBSERVING "SPOT SHIFT". 10/6/44 D-152915 BX-25548 APR. 45 ISSUE 1			CW-23AGE SY MOTOR CONTROLLER UNIT USED WITH TYPES CW-20ADP MOTOR CONTROL RECTIFIER AND CC-21AOC ANTENNA DRIVE MOTOR FOR CONTROLLING SPEED OF ANTENNA FROM ZERO TO 6 R.P.M. IN EITHER CLOCKWISE OR COUNTERCLOCKWISE DIRECTION. CONSISTS MAINLY OF VARIABLE TRANSFORMER. 11/16/44 D-152803 BO-24226 FEB. 45 ISS 1		
CW-23AFY AND 24 1/2 WATT 0.15 MEGOHM COMPOSITION RESISTORS.			CRP23AGA SO-12H/S012M POWER CONTROL UNIT SIMILAR TO NAVY TYPE CRP-23399 EXCEPT (1) THE TWO INPUT SOURCE OF POWER FROM THE GASOLINE ENGINE GENERATOR HAVE BEEN REVISED, (2) TWO OUTPUT TERMINAL TUBES SUPPLIED INSTEAD OF 3, AND 2 HOLES ARE PLUGGED INSTEAD OF ONE; (3) ONE OUTPUT 10/16/44 RX-1315 M-36N-W1 NOV. 44 SUB 0			CW-23AGE CONNECTED BY GEARING TO CONTROL HANDLE TO VARY OUTPUT VOLTAGE AND A RELAY FOR REVERSING DC INPUT TO MOTOR AND THUS ITS DIRECTION WHEN CONTROL HANDLE GOES THROUGH ZERO POSITION. POWER DISSIPATION IS 100 WATTS.		
CW-23AFW MK 28 MOD 2 RANGE UNIT (RADAR RANGE UNIT MK 7 MOD 0): HAS AIDED TRACKING, SIMILAR TO -23AEQ EXCEPT (1) IT HAS A SINGLE SYNCHRO-GENERATOR WITH SPEED OF 15,000 YDS/REVOLUTION. CUT-OUT SWITCHES FOR SYNCHRO PROVIDED AT 800 AND 7200 YDS. (2) RANGE RATE POTENTIOMETER ADDED; (3) 9/22/44 D-152638 BX-21950 APR. 45 ISSUE 1			CRP-23AGA TERMINAL INTERNALLY GROUNDED.			CRP-23AGG SG-3 IFF COORDINATOR SUPPLY: 115/1/60, 60 WATTS CONTROLS IFF PRESENTATION ON RANGE SCOPE AND GENERATOR TRIGGER VOLTAGE FOR IFF TRANSMITTER. INCLUDES CHALLENGE SWITCH, ECHO SUPPRESSION SWITCH, IFF RECEIVER GAIN CONTROL AND RELAY RESET PUSHBUTTON. PART OF TYPE 11/21/44 RX-1012 M-38C301-W374 FEB. 45 SUB 0		
CW-23AFW ENTRANCE HOLE FOR CABLE TO THE AIDED TRACKER ENLARGED TO ACCOMMODATE NAVY TYPE MCOP-14 CABLE.			CAPR-23AGB TDY-1 PEDESTAL CONTROL-INDICATOR UNIT: CONTAINS SELSYN AND SWITCH FOR POSITIONING TYPE -10AFA ANTENNA PEDESTAL. INDICATES RELATIVE BEARING. 11/9/44 FEB. 45			CRP-23AGG -55AGF INDICATOR CONSOLE.		
CRP23AFX SG-3 ANTENNA CONTROL UNIT FORMS JUNCTION FOR TERMINATION OF ANTENNA CONTROL CABLES, AMPLIDYNE CABLES AND INPUT POWER CABLES FOR AMPLIDYNE MOTOR. CONTAINS RECTIFIER UNIT FOR SUPPLYING POWER TO ANTENNA MOTOR; A CONTACTOR FOR REMOTE CONTROL OF AMPLIDYNE 9/22/44 RX-1271 M-72A1-W45 APR. 45			CRP-23AGC *SEE BELOW LOAD DIVIDER UNIT REMOVES LOADS IMPOSED BY MOTOR OF MOTOR DYNAMO AMPLIFIER AND REMOTE PPI SYNCHRO EXCITATION FROM BALANCE OF EQUIPMENT AND SEPARATELY FUSES & CONTROLS THESE 2 LOADS. INCLUDES 4 FUSES, A RELAY AND 3 ACCESSORY FOR JG-1 11/15/44 RX-1152 M-54A1-W28 FEB. 45 SUB 8			CRV-23AGG-1 SR-2 IFF COORDINATOR SUPPLY: 115/1/60, 60 WATTS. CONTROLS IFF PRESENTATION ON RANGE SCOPE & GENERATES TRIGGER VOLTAGE FOR IFF TRANSMITTER. INCLUDES CHALLENGE SWITCH, ECHO SUPPRESSION SWITCH IFF RECEIVER GAIN CONTROL AND RELAY RESET PUSH BUTTON. 11/21/44 FEB. 45		
CRP23AFX MOTOR; AND PROTECTIVE FUSES FOR AMPLIDYNE MOTOR ANTENNA MOTOR DUPLEX POWER OUTLETS, AND AMPLIDYNE CONTROL AMPLIFIER. INPUTS: 115/1/60, 20/1 AMPS. 2300/100 WATTS. OUTPUTS: 115/1/60, 5/15 AMPS. 520/1800 WATTS. NEON-TYPE BLOWN-FUSE INDICATOR FOR EACH OF 7 FUSES USED IN FRONT OF PANEL. INCLUDES -21AAY MOTOR DYNAMO AMPLIFIER.			CRP-23AGC TERMINAL STRIPS ALL MOUNTED IN A STEEL, DRIPPROOF ENCLOSURE DESIGNED FOR BULK-HEAD MOUNTING.			CRV-23AGG-1 PART OF TYPE 55AGG INDICATOR CONSOLE. SAME AS -23AGG EXCEPT FOR SOME COMPONENTS.		
CW-23AFY MK 34 MOD 384 RADAR RANGE UNIT MK 1 MOD 0 SIMILAR TO TYPE CW-23ADJ RANGE UNIT EXCEPT SYNCHRO GENERATORS IN THE AIDED TRACKING UNIT HAVE BEEN REPLACED BY 2 SPECIAL 3000 OHM POTENTIOMETERS AND ASSOCIATED NETWORKS, AND A RANGE RATE POTENTIOMETER AND ASSOCIATED GEARING 10/6/44 D-152809 BX-25548 APR. 45 ISSUE 1			CW-23AGD SV MAIN CONTROL UNIT CONTAINS CONTROL SWITCHES FOR TURNING ON MODEL SV RADAR EQUIPMENT AND NECESSARY POWER CONTROL RELAYS. UNIT IS A MAIN DISTRIBUTION AND JUNCTION POINT FOR SUPPLYING POWER. CONTAINS SIGNAL AMPLIFIER PANEL WHICH PROVIDES SIGNAL OUTPUT VOLT- 11/16/44 D-142585 BR-23835 FEB. 45 ISS 1			CRV-23AGH SR-2 GENERAL CONTROL UNIT PROVIDES CONTROL OF TRANSMITTER AT REMOTE LOCATION. INCLUDES MAIN STARTING AND RADIATION CONTROL PUSHBUTTON, VOLTMETER, SIX TUBE SOCKETS AND TUBE CLAMP. CONTROLS STARTING-STOPPING, PLATE VOLTAGE AND RADIATION. PART OF TYPE -55AGG 11/21/44 FEB. 45		
CW-23AFY HAVE BEEN ADDED.			CW-23AGD AGES FOR DRIVING TUNING INDICATOR IN TYPE CW-43ACU RADAR TRANSMITTER-RECEIVER AND AS MAY AS 4 REMOTE PPI UNITS. POWER DISSIPATION 60 WATTS.			CRV-23AGH INDICATOR CONSOLE.		

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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5.23-10

Class 23—Control Panels and Control Units

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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-23AGI

DO NOT ASSIGN

CW-23AG0

WHEN PERISCOPE ADAPTER IS IN OPERATING POSITION. AUTOMATICALLY TRANSFERS LOAD FROM A DUMMY ANTENNA TO THE PERISCOPE ANTENNA.

CW-23AG3

SWITCHES LOCATED IN CONSOLE. TERMINAL TUBES FOR ENTRANCE OF CABLES ARE WELDED IN THIS UNIT.

CRP-23AGJ SC-3

GENERAL CONTROL UNIT
CONTAINS MAIN STARTING AND RADIATION CONTROL PUSHBUTTONS, MAGNETRON CURRENT METER, THREE TRANSFORMERS, A TOGGLE SWITCH, A 4PST CONTACTOR AND SIX TUBE SOCKETS AND TUBE CLAMP. PART OF TYPE -55AGF INDICATOR CONSOLE.
11/21/44 RX-1011 M38C201-M376
FEB. 45 SUB 0

CAUD-23AGP *SEE BELOW RE 13A 1068

CONTROL UNIT (BEACON) MARK 11 MOD 0: CONSISTS OF FILAMENT SWITCH, DYNAMOTOR SWITCH, PHONE MOUNTING JACK, SENSITIVITY CONTROL, TRANSMITTER KEYING SWITCH & GENERATOR; THESE CONTROLS ARE FOR JR ON-OFF REGULATION OF SENSITIVITY
RADAR BEACON MARK 2 MOD 0
2/1/45
MAR. 45

CBN-23AGY MK 39 MOD 0 & 1

RADAR RANGE UNIT MARK 6 MOD 0: UNIT IS FOR RANGING AND AIDED TRACKING, PERFORMED BY A HANDWHEEL AND HAND TUBE SERVO THROUGH APPROPRIATE DIFFERENTIALS AND OTHER GEARING. INCLUDES POWER SLEWING AT RATE OF NOT LESS THAN 2000 YARDS PER SECOND WITH SLEWING CONTROL. PROVIDES 3/2/45 1072
MAR. 45

CM-23AGK

IFF MARK 3 RE13A1080
REMOTE CONTROL UNIT RE43F361
CONSISTS OF NAVY TYPE 9-S-4995-L JUNCTION BOX LESS POWER DISCONNECT, INCLUDING 2 ALLAN BRADLEY TYPE B-530, 115/1/60 RELAYS. USED TO SWITCH ANY IFF MARK 3 INTERROGATOR-RESPONSOR FROM ONE RADAR EQUIPMENT TO ANOTHER.
11/27/44
FEB. 45

CAUD-23AGP

TO PROVIDE KEYING OF TRANSMITTER PULSES. GENERATOR CONVERTS TO 6V DC TO +245V DC AND A REGULATED -105V DC. INPUT 6V DC 50 MA. PROVIDES POWER SUPPLY TO TYPE CAUD-43ADD TRANSMITTER-RECEIVER (BEACON) MARK 5 MOD 0 AND CAUD-45ADE TRANSMITTER-RECEIVER (BEACON) MARK 5 MOD 1.

CBN-23AGT

AIDED TRACKING TO AT LEAST 30,000 YARDS AT CALIBRATED RATES TO AT LEAST ±450 KNOTS. PART OF TYPE CBN-55AGX RADAR CONSOLE MARK 3 MOD 0.

CRP-23AGL TDY-a, TDY-1a

ANTENNA CONTROL UNIT
PROVIDES BEARING CONTROL AND INDICATOR FOR THE ANTENNAE. INPUT 115/1/60. 500 WATTS.

CPX-23AGQ GEN. RADAR USE RE 16P4

RADAR BEARING CONTROL PANEL: INCLUDES JR ROTARY SWITCHES, FUSE HOLDERS & TERMINAL BOUNDS TO PROVIDE FOR DISTRIBUTION OF OSC SIGNALS AT 1 AND 36 SPEED FROM THE GYRO COMPASS TO 2 RADAR SYSTEMS AND 2 PPI REFLECTORS. ALSO PROVIDES FOR DISTRIBUTION OF RADAR BEARING
2/17/45
MAR. 45

CM-23AGU GEN RADAR USE 16S18CEC

RADAR DISTRIBUTION SWITCH BOARD: FOR CONNECTING ANY ONE OF 20 RADAR REPEATERS (REMOTE PPI) TO ANY ONE OF 6 RADAR SYSTEMS. MECHANICALLY SIMILAR TO TYPE -23AFL, BUT ELECTRICALLY DIFFERENT.

12/5/44 RX-1403

FEB. 45 30092-Q-2
SUB 0

3/15/45

APR. 45

CRP-23AGM PO

REMOTE CONTROL UNIT
SUPPLY: 115/1/60, 0.5 AMPS. CONTROLS SECTOR SCAN, AMPLITUDE OF ANGLE AND AZIMUTH BEARING. CONTAINS SWITCH FOR PERMITTING SECTOR SCAN OR CONTINUOUS ROTATION. HAS CONTROL TRANSFORMER FOR CONTROLLING SCAN POSITION & POTENTIOMETER
12/8/44
FEB. 45

CPX-23AGQ

SIGNALS & RELATIVE BEARING WARNING LIGHT VOLTAGES FROM EITHER OR BOTH OF 2 RADAR EQUIPMENTS TO 4 SEPARATE LOCATIONS ON BOARD SHIP.

CRP-23AGV X-SC-4

ANTENNA CONTROL UNIT
SUPPLY: 115/1/60 AT 5 AMPS (REGULATED). HOUSES A THREE-POSITION 120 TERMINAL SWITCH, A CONTACTOR CONTROLLING POWER TO ANTENNA SERVO MOTORS, RELAYS A SYNCHRONIZED CIRCUIT, AN ELECTRONIC SERVO AMPLIFIER, AND A SWITCH, AMPLIFIER AND AC-3/17/45 RX-1099 M-7281-M3
APR. 45 SUB A

CRP-23AGN

FOR CONTROLLING SCAN AMPLITUDE. "A" BAND & "G" BAND SWITCHES CONTROL INTERROGATION BY AN/APX-13 ON THOSE BANDS, RESPECTIVELY, BY AN/ARM-13.

CPX-23AGR GEN. RADAR USE RE16P4

RADAR BEARING CONTROL PANEL: INCLUDES JR ROTARY SWITCHES, FUSE HOLDERS & TERMINAL BOARDS TO PROVIDE FOR DISTRIBUTION OF OSC SIGNALS AT 1 SPEED AND 36 SPEED TO ONE RADAR SYSTEM AND 4 REPEATER STRINGS. ALSO DISTRIBUTES RADAR BEARING SIGNALS AND RELATIVE BEARING
2/17/45
MAR. 45

CRP-23AGY

CURACY METER FOR MONITORING ACCURACY OF SERVOS IN VARIOUS UNITS. UNIT IS OF DRIPPROOF CONSTRUCTION AND DESIGNED FOR BULKHEAD MOUNTING.

CAPR-23AGN IDY-1

PEDESTAL CONTROL-INDICATOR UNIT: CONTAINS SELSYN AND SWITCH FOR POSITIONING TYPE -10AFJ ANTENNA PEDESTAL. SIMILAR TO TYPE -23AGB EXCEPT WILL INDICATE BOTH RELATIVE AND TRUE BEARING.

CPX-23AGR

WARNING LIGHT VOLTAGES FROM THIS RADAR SYSTEM TO THE 4 REPEATER STRINGS.

CG-23AGW SX

LOCAL CONTROL UNIT
INPUT: 115/1/60, 160 WATTS. -300V DC, 1.6 WATTS APPROX. -105V DC, 1.1 WATTS APPROX +300V DC, 0.4 WATTS APPROX. OUTPUT: 115/1/60, 1.15 WATTS, 424V DC 14 POINTS SELECTED BY SWITCHES. 24 WATTS. VARIOUS CONTROL VOLTAGES. UNIT FURNISHES 3/21/45 4MC43A1 T-7664160
APR. 45 REV 0

12/2/44

FEB. 45

CW-23AGD SS

WAVEGUIDE STOP: CONSISTS OF A MECHANICAL STOP USED TO PREVENT THE TYPE CGP-14ABH PERISCOPE ADAPTER FROM RISING ABOVE A GIVEN POINT AND TO PROPERLY ALIGN THE WAVE GUIDE CHOKE ASSEMBLY WITH THE GUIDE TO THE PERISCOPE ANTENNA. INCLUDES SWITCH WHICH
1/31/45 D-153046 BR-25887
MAR. 45 ISSUE 1

CW-23AGS SS

POWER DISTRIBUTION UNIT: MAIN POWER SWITCHING UNIT FOR SS RADAR EQUIPMENT. INCLUDES MAIN CONTACTORS AND FUSES, EXCEPT THOSE FUSES ASSOCIATED WITH ANTENNA DRIVE SYSTEM. A MAIN "BATTLE SHORT" IS ALSO LOCATED IN THIS UNIT. CONTACTORS ARE UNDER CONTROL OF
2/26/45 D-152391 BX-23672
MAR. 45 ISSUE 2

CG-23AGW

CONTROL OF TEST FACILITY- TIES TO TWO REMOTELY LOCATED RECEIVERS. INCLUDES RECEIVER GAIN CONTROL LOCAL OSCILLATOR REFLECTOR VOLTAGE MANUALLY CONTROLLED, SHORT TIME CONSTANT AND IAVC SELECTION, MANUAL AND AFC SELECTION, OWN SHIP'S HEADING MARKER CONTROL, TEST SELECTION, TEST METER ZERO SET, SWITCHING & PILOT LIGHT INDICATION OF HIGH VOLTAGE SUPPLY IIS AC INPUT.

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Class 23—Control Panels and Control Units

5.23-11

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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CG-23AGX SX
 REMOTE CONTROL UNIT
 INPUT: 115/1/60, 180 WATTS, -300V DC, 0.8 WATTS APPROX. -300V DC, +300V DC, 3 WATTS APPROX. -105V DC, 0.6 WATTS APPROX. +125V DC, 0.6 WATTS APPROX. OUTPUT: 115/1/60, 115 WATTS +24V DC 14 POINTS SELECTED BY SWITCHES, 12 WATTS, VARIOUS
 3/21/45 4MC41A1 P-7768189
 APR. 45 REV 0

CONTROL VOLTAGES. RE- CG-23AGX
 CEIVER CONTROL SECTION FURNISHES CONTROL & TEST FACILITIES TO TWO ADJACENTLY LOCATED RECEIVERS, ALSO SWITCHES RECEIVER CONTROLS TO LOCAL OR REMOTE, HAS SAME FUNCTIONS AS -23AGW. R.F. TEST SECTION MEASURES OVERALL NOISE FIGURE ON BOTH THE SEARCH & HEIGHT SYSTEM'S RECEIVING SYSTEMS. UNIT INCLUDES THE SENSITIVITY TIME CONTROL WHICH CONTROLS RECEIVER

CG-23AGY SX
 MAIN CONTROL UNIT
 CONSISTS OF 1 TYPE CG-10AGB CONTROL PANEL CABINET, 1 TYPE CLP-60A0B SYNCHROSCOPE, 1 TYPE CG-23AGW LOCAL CONTROL UNIT, 1 TYPE CG-20AEF RECTIFIER POWER UNIT, 1 CG-35ABZ SYNCHRONIZER, 1 TYPE CG-20AED RECTIFIER POWER UNIT, AND 1
 3/21/45 T-7664162
 APR. 45 REV 0

CG-23AGY
 TYPE CG-20AEC RECTIFIER POWER UNIT. ALL CABLES ARE BROUGHT INTO CABINET THROUGH STUFFING TUBES IN TOP OF CABINET.

CG-23AGZ MARK 36, MOD 1 RE 13A 1102A
 RADAR CONTROL UNIT MARK 15
 MOD 0: COMPOSED OF AN ANGLE IRON FRAMEWORK OR RACK ON WHICH IS MOUNTED A FRONT PANEL CONTAINING SEVERAL CONTROLS & A 2-INCH CATHODE RAY TUBE, AND A CHASSIS CONTAINING CIRCUITS FOR TRIGGERING OF ALL UNITS, SPOT BLANKING, "WING" GEN-
 4/4/45 8239420G1
 MAY 45

ERATION, SWEEP & VIDEO CG-23AGZ
 AMPLIFICATION, ERROR SIGNAL DETERMINATION FOR SPOT SCOPE PRESENTATION, AUTOMATIC RANGE TRACKING SIGNALS, RANGE TRANSMISSION, RECEIVER AUTOMATIC GAIN CONTROL, CIRCUITS FOR RANGE CALIBRATION 2" CATHODE RAY TEST OSCILLOSCOPE, SWITCHES & CONTROLS FOR SERVICING, ALSO TYPE CG-46AEC RADAR RECEIVER UNIT MARK 2 MOD 0.

CW-23AHA SS
 AUTOMATIC FREQUENCY CONTROL UNIT: CONSISTS OF THREE STAGES OF BROADBAND IF AMPLIFICATION AT 60 MC, A DISCRIMINATOR, AND 2 STAGES OF DC AMPLIFICATION. PROVISION IS MADE FOR MONITORING THE AFC CONVERTER CRYSTAL CURRENT AND ALSO THE DC OUTPUT. INPUT TO THE AFC
 4/7/45 D-152296 80-60383
 MAY 45 ISSUE 1

CW-23AHA
 UNIT COMES DIRECTLY FROM THE AFC CONVERTER & THE DC OUTPUT GOES DIRECTLY TO THE REPELLER OF THE BEATING OSCILLATOR TUBE.

CG-23AHB MARK 36 MOD 1 RE 13A 1102
 RADAR CONTROL UNIT (AFC)
 MARK 16 MOD 1: INPUTS: +300V 15 MA DC; +105V 30 MA DC; -250V 30 MA DC, +125V 18 MA DC; 30 MC INPUT FROM AFC CRYSTAL MIXER: 6.3V, 3.0 AMPS, 400 CYCLE FILAMENT SUPPLY. UNIT CONTAINS CIRCUIT OF FREQUENCY SWEEP TYPE DESIGNED FOR 30 MC IN-
 4/12/45 ML7767630 CG-P-7767630
 MAY 45 REV 1

CG-23AHB
 PUT. CONSISTS OF 30 MC AMPLIFIER, DISCRIMINATOR, VIDEO AMPLIFIER, AND SWEEP & LOCK-ON TUBES. OUTPUT: CORRECTING VOLTAGE FOR LOCAL OSCILLATOR; AFC CRYSTAL CURRENT FOR REMOTE METERING AT 1 MA DC.

CAQI-23AHC MBE RE 13A 1036
 ANTENNA CONTROL UNIT
 PROVIDES BEARING CONTROL AND INDICATOR FOR NAVY TYPE CAQI-66ALE ANTENNA ASSEMBLY. CONTAINS 2 AMPLIFIERS NECESSARY FOR DRIVING ANTENNA TRAINING MOTORS.

4/26/45
 MAY 45

COQ-23AHD SX RE 13A 1055A
 ANTENNA CONTROL UNIT
 CONTROLS TYPE CG-66ALH ANTENNA ASSEMBLY IN TRAIN AND ELEVATION ANGLES. ALSO MOUNTS THE IFF.

5/10/45 CG:DL8239405G1
 MAY 45

CRP-23AHE TDY-a/TDY-1a
 ANTENNA CONTROL UNIT

5/11/45 RX-1403A
 MAY 45

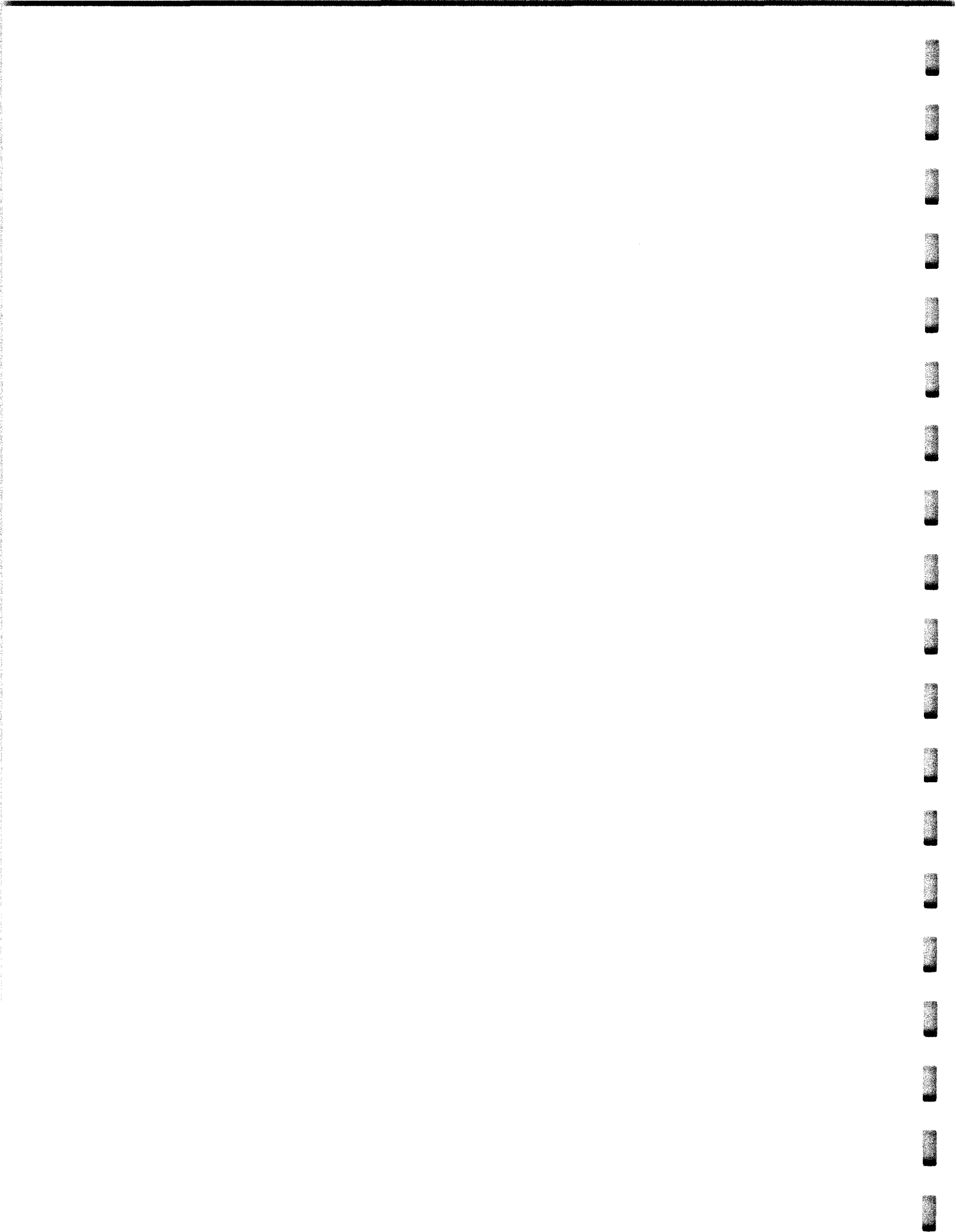
CRP-23AHF X-SG-4, SG-4
 ELEVATION CONTROL UNIT
 INPUT: 115/1/60, 0.5 AMP MAXIMUM. OUTPUT: SYNCHRO GENERATOR DATA MODIFIED BY SHAFT POSITION OF 5 DG. DIAL INDICATES POSITION OF 5 DG SHAFT WITH RESPECT TO ELECTRICAL ZERO. RED LIGHT WARNS OF ELEVATION OR DEPRESSION GREATER THAN ONE
 5/12/45 RX-1449 M-80C-W1
 MAY 45 SUB A

CRP-23AHF
 HALF DEGREE. THE 5 DG SYNCHRO IS MANUALLY SET TO INTRODUCE A PREDETERMINED ANGLE INTO THE DATA PERMITTING INTRODUCTION OF GIVEN ELEVATION OR DEPRESSION INTO ELEVATION DATA OF A 2 AXIS STABILIZED ANTENNA. DESIGNED FOR BULKHEAD MOUNTING ON SIDE OR BACK.

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CONFIDENTIAL

NAVSHIPS 900,109

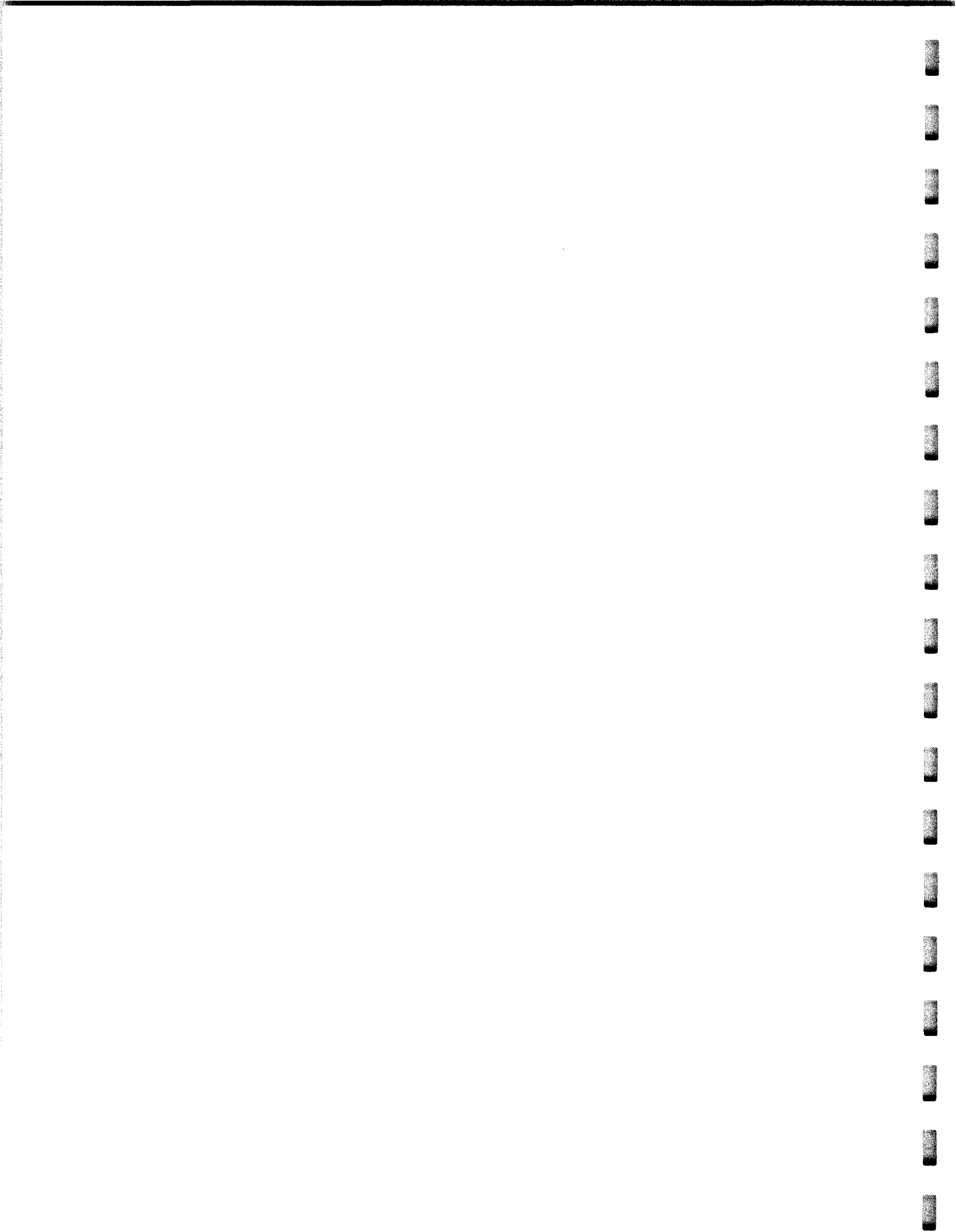


Class 24—Switches

CLASS 24

CONFIDENTIAL

NAVSHIPS 900,109



Class 24—Switches

5.24-1

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-24AAA FA PUSH BUTTON STATION MOMENTARY CONTACT, MOTOR STARTER SWITCH.	5/15/41 APR. 44	CR-2940 GE:K-2287660	CW-24AAF RUNS FROM ANTENNA AND TRANSMITTERS. KNOB IS PROVIDED FOR MANUAL OPERATION IN CASE OF MOTOR FAILURE.			CAGQ-24AAL *SEE BELOW ANTENNA CHANGE-OVER SWITCH SWITCHES ANTENNA FROM A BK (ABK) TO BN EQUIPMENT. TORQUE MOTOR OPERATED 105 TO 125/1/60. SIMILAR TO NAVY TYPE -24AAE EXCEPT MOTOR OPERATED INSTEAD OF SOLE- NOID OPERATED AND USED AS REPLACEMENT *FOR USE WITH BN & ABK, N. TYPE -66AFU-1 12/11/44 APR. 45		
CG-24AAB FB & FC PUSH BUTTON STATION; WEATHER PROOF, MAIN POWER CONTROLLER PUSH BUTTON SWITCH, CAPACITY 50A-110V 8A-440V CONTINUOUS 10 AMPS. 30A-220V, 6A-550V MAKE 50A. SPARE PARTS L-6925133.	6/9/41 APR. 44	CR-2940-IFM-9 M-224559-PY-1	CAPR-24AAG MARK 13 TRANSMITTER SWITCHING UNIT INCLUDES A RELAY OPERATED SWITCH TRANS- FORMING POWER FROM ONE OF TWO TRANS- MITTERS TO THE OTHER. SWITCH MAY BE OP- ERATED BY HAND IF REQUIRED.	4/11/44 OCT. 44	(CW)D-152167	CAGQ-24AAL FOR NAVY TYPE -24AAE.		
CG-24AAC MK 5, MK 5, MD 1 LINE SWITCH DPST KNIFE SWITCH ENCLOSED IN WATERPROOF CASE CONTACTS RATED 440/1/60 AT 7.5 AMPS.	5/28/42 APR. 44	ML-7885185 M-7457430 REV 0	CW-24AAB ST SELECTOR UNIT CONTAINS RELAY-OPERATED SWITCH FOR TRANS- FERRING POWER FROM ONE TRANSMITTER TO ANOTHER, TOGETHER WITH PULSE-GENERATING AND AMPLIFYING CIRCUITS REQUIRED FOR OP- ERATION OF NAVY MODEL ST RADAR.	8/16/44 OCT. 44	D-152272 BX-19895 ISSUE 3	CAOS-24AAM MK 32 MOD 1 RADAR LOBER MARK 1 MOD 0; CONSISTS OF AN AC INDUCTION MOTOR, RATED 110/1/60, 0.0533 KVA, 0.464 AMPS, 0.85 PF WHICH DRIVES TWO CAM OPERATED SWITCHES, ONE USED FOR RF LOBE SWITCHING AND THE OTHER FOR VIDEO CHANNEL SELECTION. UNIT IS ENCLOSED IN WEATHER TIGHT, BRONZE 1/12/45 276A MAR. 45		
CWU-24AAD SG SWITCH, LEVER; DPST MAX. RATING: 30 AMPS, 250 VOLTS DC, MANUALLY OPERATED.	7/17/42 APR. 44	CWU:A-291-2 CWU:K 7-S-18 *SEE ABOVE	-24AAL NOT TO BE ASSIGNED			CAOS-24AAM CASTING EQUIPPED WITH TYPE N AND TYPE AN CONNECTORS.		
*CRP-DUG74-5053, CWU:A-291-2 7/17/42 CWU:K 7-S-18 APR. 44 *SEE ABOVE					ML-7767745-G1 OCT. 44			
CWU-24AAD-1HXSS-25282 SWITCH LEVER DPST, MAX RATING: 30 AMPS 250 VOLTS DC, MANUALLY OPERATED, SAME AS BASIC NUMBER EXCEPT THAT HANDLE FOLDS DOWN AND NUTS IN REAR OF CASE ARE COUNTERSUNK.	5/12/43 APR. 44	K 7-S-186	CG-24AAJ TDY-1 MONITOR SELECTOR SWITCH CAST ALUMINUM BOX WITH GASKETED LID, CONTAINING A TAP SWITCH OF 2 SECTIONS EACH SECTION HAVING 1 POLE AND 8 POS- ITIONS. HAS NAVY TERMINAL TUBES FOR INPUT AND OUTPUT CABLES. PERMITS OPERA- TOR OF TRANSMITTER TO SELECT AND USE 8/30/44 OCT. 44			CGP-24AAN SS WAVEGUIDE SWITCHING UNIT RADAR TRANSFER SWITCH MARK 12 MOD 1; SWITCHES WAVEGUIDE FEED FROM EITHER OF 2 ANTENNA TO TRANSMITTER, CONSISTS OF MOTOR DRIVEN WAVEGUIDE ELBOW WORKING BETWEEN POSI- TIONS 180° APART. AIR CHOKE COUPLINGS CONNECT SWITCH TO WAVEGUIDE RUNS FROM 1/29/45 D-153041 CW:BR-24248 MAR. 45 ISSUE 2		
CAGQ-24AAE *SEE BELOW ANTENNA CHANGE-OVER SWITCH: SWITCHES ANTENNA FROM BK(ABK) TO BN EQUIPMENT, SOLENOID OPERATED, OPERATES FROM 105 TO 125/1/60. SIMILAR TO NAVY TYPE -24AAL. FOR REPLACEMENT USE NAVY *USED WITH NAVY TYPE -66AFU, BN, ABK. 11/6/43 APR. 45		CH2:A-2650	CG-24AAJ ANY ONE OF 8 TYPE -62ABJ JUNCTION BOXES.			CGP-24AAM ANTENNA AND TRANSMITTERS. PROVISIONS MADE FOR MANUAL CONTROL IN CASE OF MOTOR FAILURE. SAME AS TYPE -24AAF EXCEPT SWITCHING IS DONE BY AC SOLENOID RATHER THAN DC SOLENOID RECTIFIER AND TRANSFOR- MER.		
TYPE -24AAL.		CAGQ-24AAE	CW-24AAK SV WAVE GUIDE SWITCHING UNIT CONSISTS OF CASTING WITH INSIDE PORTION MOVABLE TO ANY ONE OF 3 FIXED POSITIONS BY MANUALLY OPERATED HANDLE. INNER POR- TION HAS SPACED ALONG ITS LENGTH 2 RIGHT ANGLE WAVE GUIDE-BENDS TURNED IN OPPO- SITE DIRECTIONS, AND A STRAIGHT THROUGH 11/16/44 D-152576 BX-23319 FEB. 45 ISS 1			CAQI-24AAO MBE RE 13A 1036 TRANSMITTER R.F. SWITCHING UNIT: A SMALL ASSEMBLY CONTAINING ONE RF SWITCH, SPDT, AC RELAY OPERATED, FOR EMERGENCY OPERATION WITH ONLY ONE TRANS- MITTING OSCILLATOR. 4/26/45 MAY 45		
CW-24AAF MARK 13 WAVEGUIDE SWITCHING UNIT (RADAR TRANSFER SWITCH MARK 12 MOD 0): SWITCHES WAVEGUIDE FEED FROM ANTENNA TO EITHER OF 2 TRANSMITTERS. CONSISTS OF MOTOR-DRIVEN WAVEGUIDE ELBOW-WORKING BETWEEN POSITIONS 180° APART. AIR CHOKE COUPLING CONNECT SWITCH TO WAVEGUIDE 4/11/44 D-152277 BX-50083 APR. 45 ISSUE 1			CW-24AAK WAVE GUIDE SECTION. POSITIONING OF INNER PORTION TO ANY ONE OF 3 FIXED POSITIONS SELECTS ANY ONE OF 3 WAVE GUIDE OUTPUT POSITIONS. MOUNTED ON 4 SIDES OF CASTING IN CENTER ARE 4 CHOKE COUPLINGS SET INTO CASTING FLUSH WITH INSIDE WALL. *FOR USE WITH BN & BK 4/27/45 MAY 45			CAGQ-24AAP *SEE BELOW ANTENNA CHANGE-OVER SWITCH SWITCHES ANTENNA FROM A BK (ABK) TO BN EQUIPMENT. TORQUE MOTOR OPERATED. 24V DC. SAME AS TYPE, -24AAL MECHANICALLY, BUT NOT ELECTRICALLY BECAUSE OF VOLTAGE. LA-106 1		

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5.24-2

Class 24—Switches

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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CAPB- 24AAQ SX
 COMMUNICATION SWITCH
 CONSISTS OF 2 ROTARY SWITCHES IN SINGLE ENCLOSURE. ONE SWITCH IS 6 POLE, 18 POSITION. NON-SHORTING TYPE WITH SILVER CONTACT RATED FOR TELEPHONE SERVICE. OTHER SWITCH IS 2 POLE, 30 POSITION, SHORTING TYPE WITH SILVER CONTACTS RATED 5/6/45 K-7110856 CG:P7768852
 JUN. 45 REV. 0

XAPB- 24AAQ
 FOR TELEPHONE SERVICE.

-24AAR MARK 41
 RADAR LOBER MARK 2 MOD 0
 A 3 DECK SWITCH, DRIVEN BY A 115/1/60 MOTOR, FOR SIMULTANEOUSLY SWITCHING (1) MAJOR LOBE OF RADIATED ANTENNA PATTERN (2) VIDEO CHANNELS IN IDENTIFICATION INDICATOR MARK 1 MOD 0 (3) BLANKING OF INTERROGATOR-RESPONSOR OF AN/CPX-4 TO PRE-
 5/11/45
 JUN. 45

-24AAR
 VENT TRANSMISSION DURING TIME MAJOR LOBE OF RADIATED PATTERN IS SWITCHED. PART OF TYPE -66ALJ ANTENNA (IDENTIFICATION) MARK 9 MOD 0.

CRP- 24AAS TDY-a/TDY-1a
 WAVEGUIDE SWITCHING UNIT
 A 3 POSITION, REMOTELY OPERATED SWITCHING UNIT IN METAL HOUSING. CONTAINS SWITCH FOR OPERATING PILOT LIGHTS AND POWER RELAYS. USED TO CONNECT TRANSMITTER TO EITHER TYPE -66AKG OR -66ALK ANTENNA ASSEMBLY AND TO TYPE -66ALL DUMMY
 5/11/45 RX-1590
 JUN. 45

CRP- 24AAS
 ANTENNA.

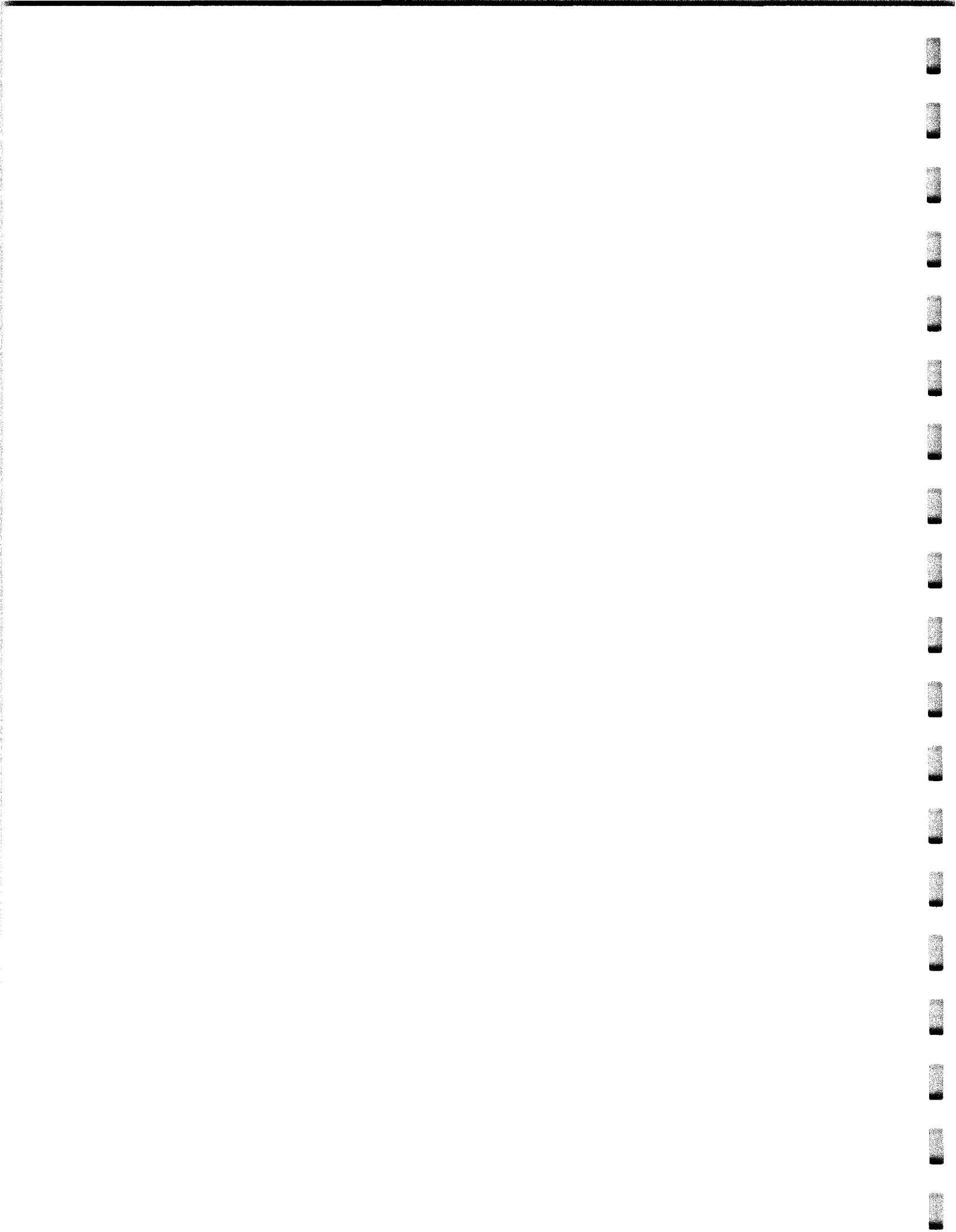
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Class 28—Protective Devices

CLASS 28

CONFIDENTIAL

NAVSHIPS 900,109



Class 28—Protective Devices

5.28-1

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
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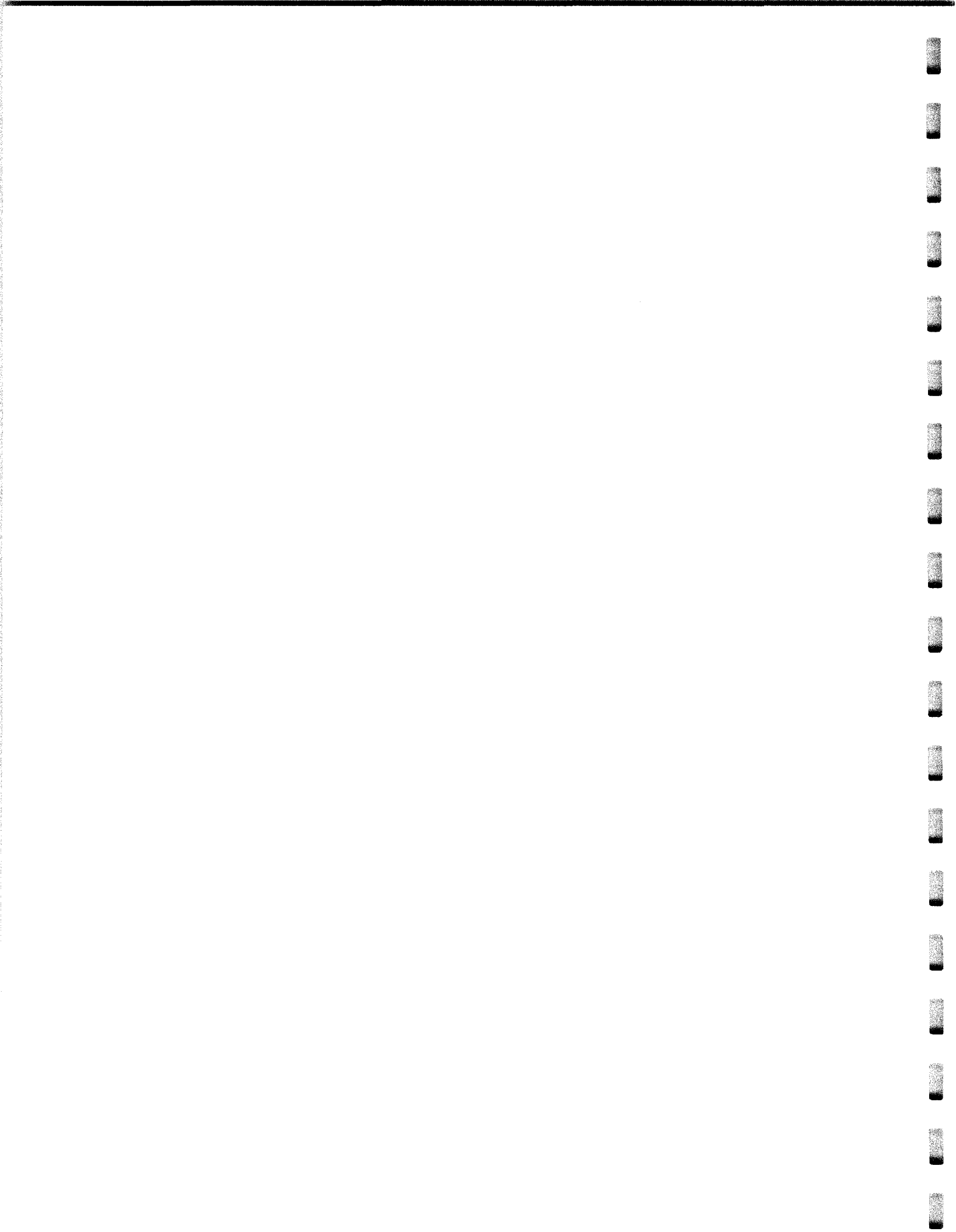
CAJP- 28AAA *SEE BELOW RE16A3
 SYNCHRO BUS DEVIATION ALARM:
 INDICATES, BY CONTROLLING A REMOTE
 ALARM, FAILURE IN SYNCHRO-TRANSMISSION
 SYSTEM OF EITHER OR BOTH OF SECONDARY
 CIRCUITS AND/OR FAILURE OF EITHER OF THE
 SYNCHRO PRIMARY CIRCUITS ENTERING THE
 *NXST-88880 GENERAL RADAR USE
 2/17/45 CAJP:82890
 MAR. 45

CAJP- 28AAA
 ALARM CIRCUIT. RATED 5 AMPS MAXIMUM.

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

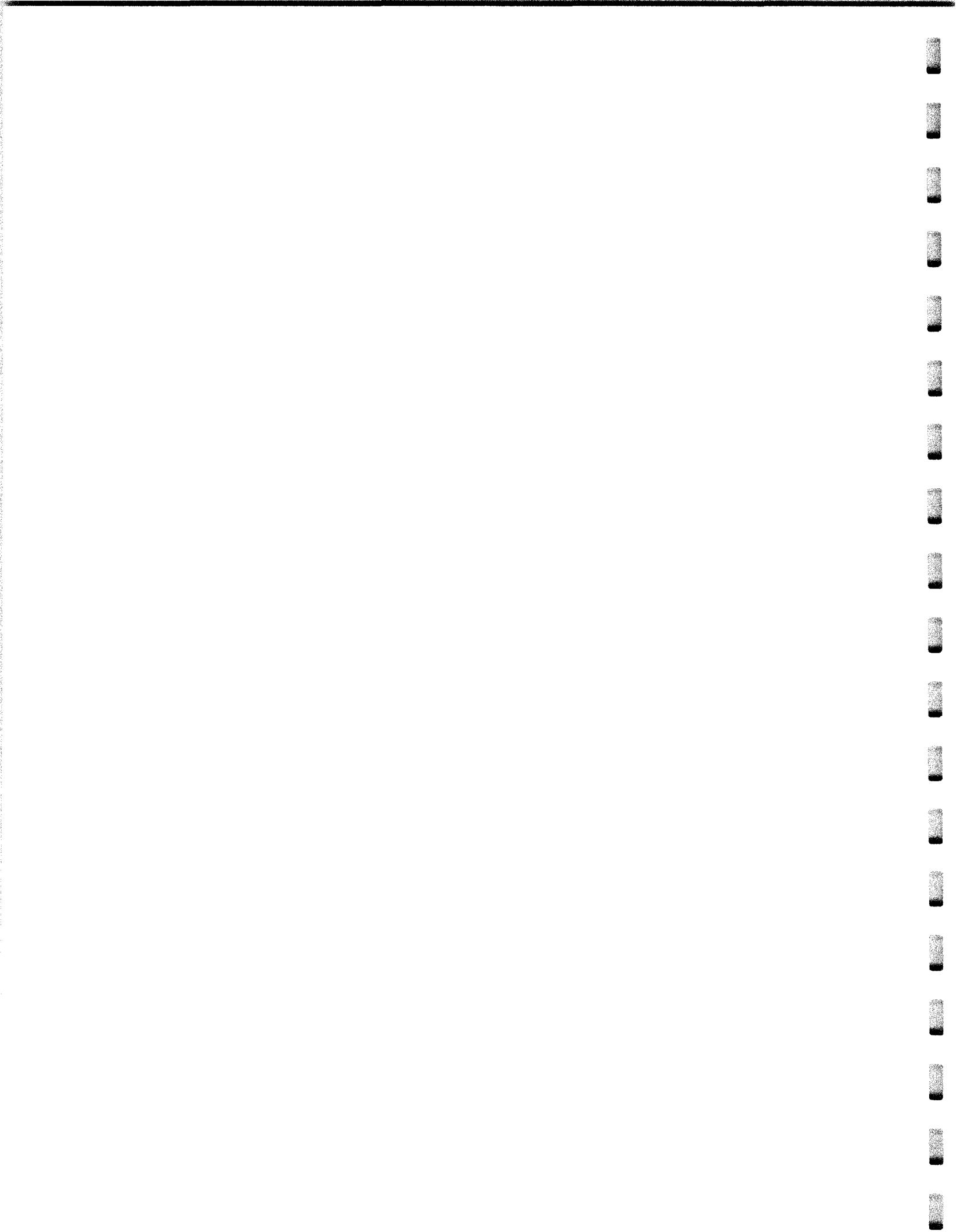


Class 29—Electromagnetic Contact Devices

CLASS 29

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NAVSHIPS 900,109



Class 29—Electromagnetic Contact Devices

5.29-1

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
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CRV-29AAA MARK 6 RADAR
SYSTEM SELECTOR RELAY UNIT:
CONTAINS RELAYS USED FOR SWITCHING FROM
RADAR TO OPTICAL OPERATION. HOUSED IN
TYPE CRV-23ACL, MAIN CONTROL ASSEMBLY.

7/11/42
APR. 44

CRV-29AAB ASA-1
POWER CONTROL UNIT:
CONTAINS A RELAY AND CIRCUIT BREAKER TO
CONTROL ALL 27V DC INPUT EXCEPTING THAT
SUPPLIED TO TYPE -21ABZ DYNAMOTOR; ALSO
RELAY TO CONTROL THE 120/1/800 SUPPLY TO
THE RADIO EQUIPMENT.

7/23/42 M1-18105-A4 P-721302
APR. 44 SUB 0

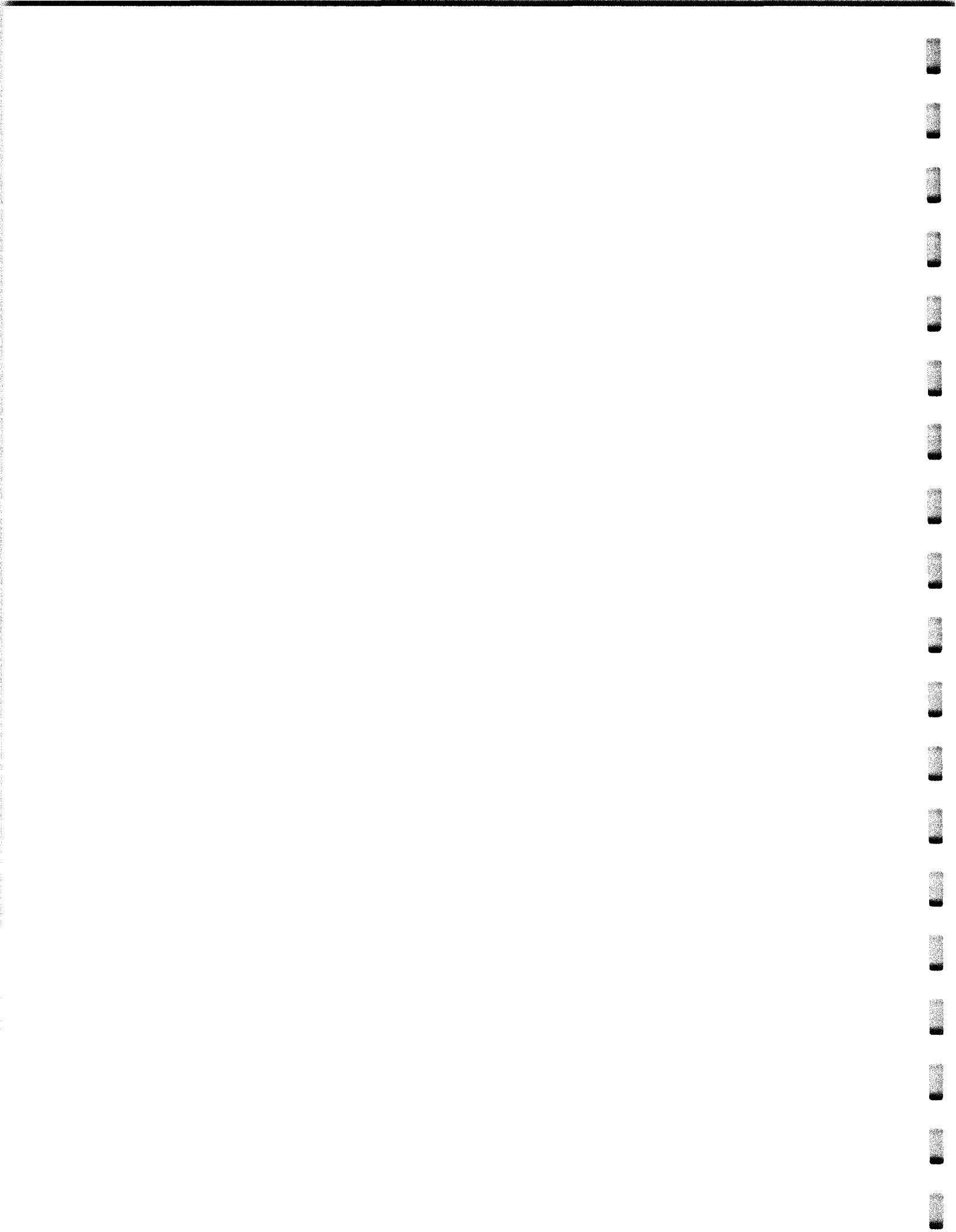
CG-29AAC MK 33
IMPULSE RELAY
SUPPLY: 115/1/60. INCLUDES SPECIAL
VACUUM TUBE THYRATRON RELAY TO PERFORM
SEQUENTIAL TIMING FUNCTION NECESSARY FOR
USE OF M-8 ELECTRONIC COMPUTER WITH
MARK 33 EQUIPMENT.

6/28/44 K-7101825
OCT. 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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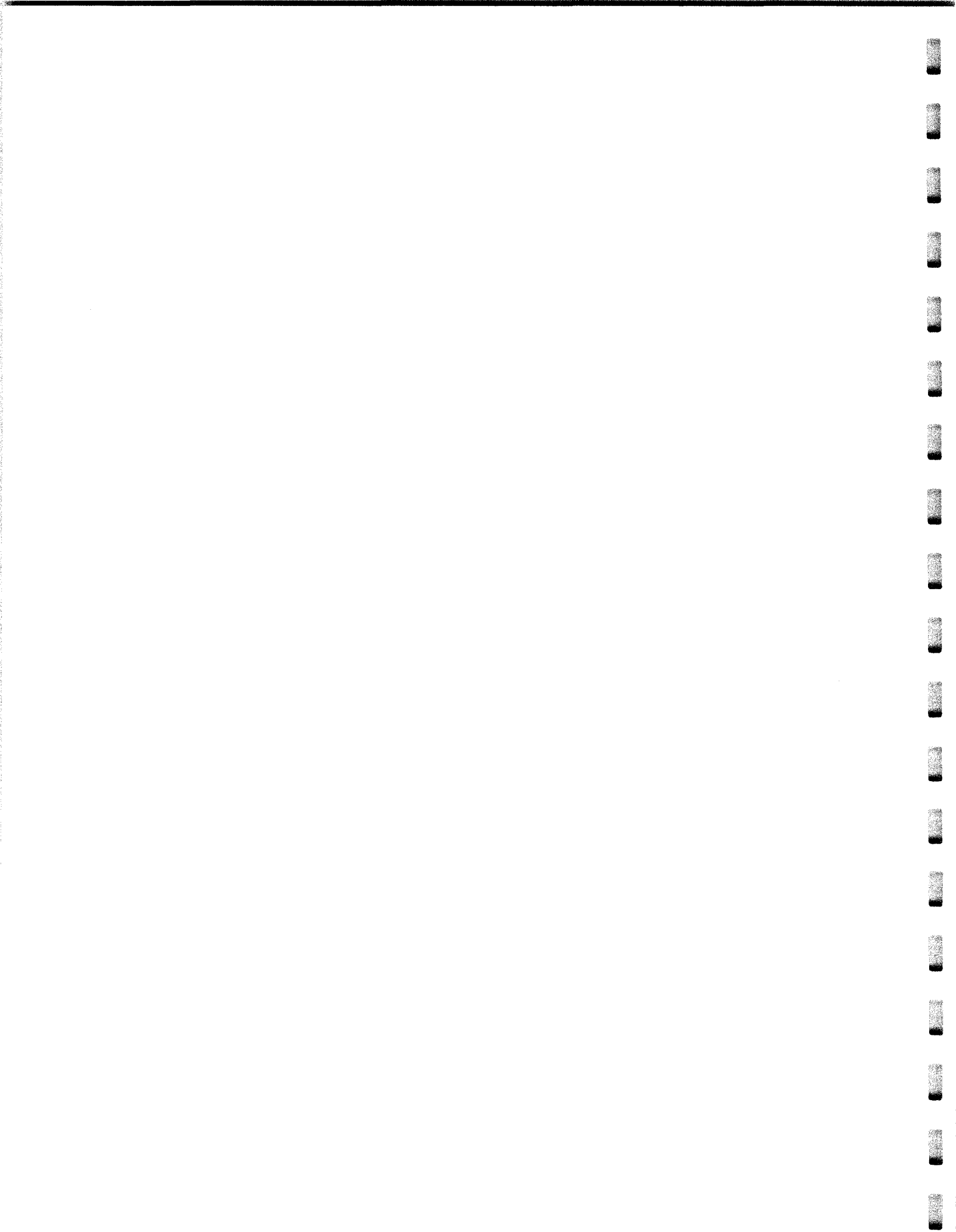
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NAVSHIPS 900,109



Class 30—Transformers and Reactors

CLASS 30



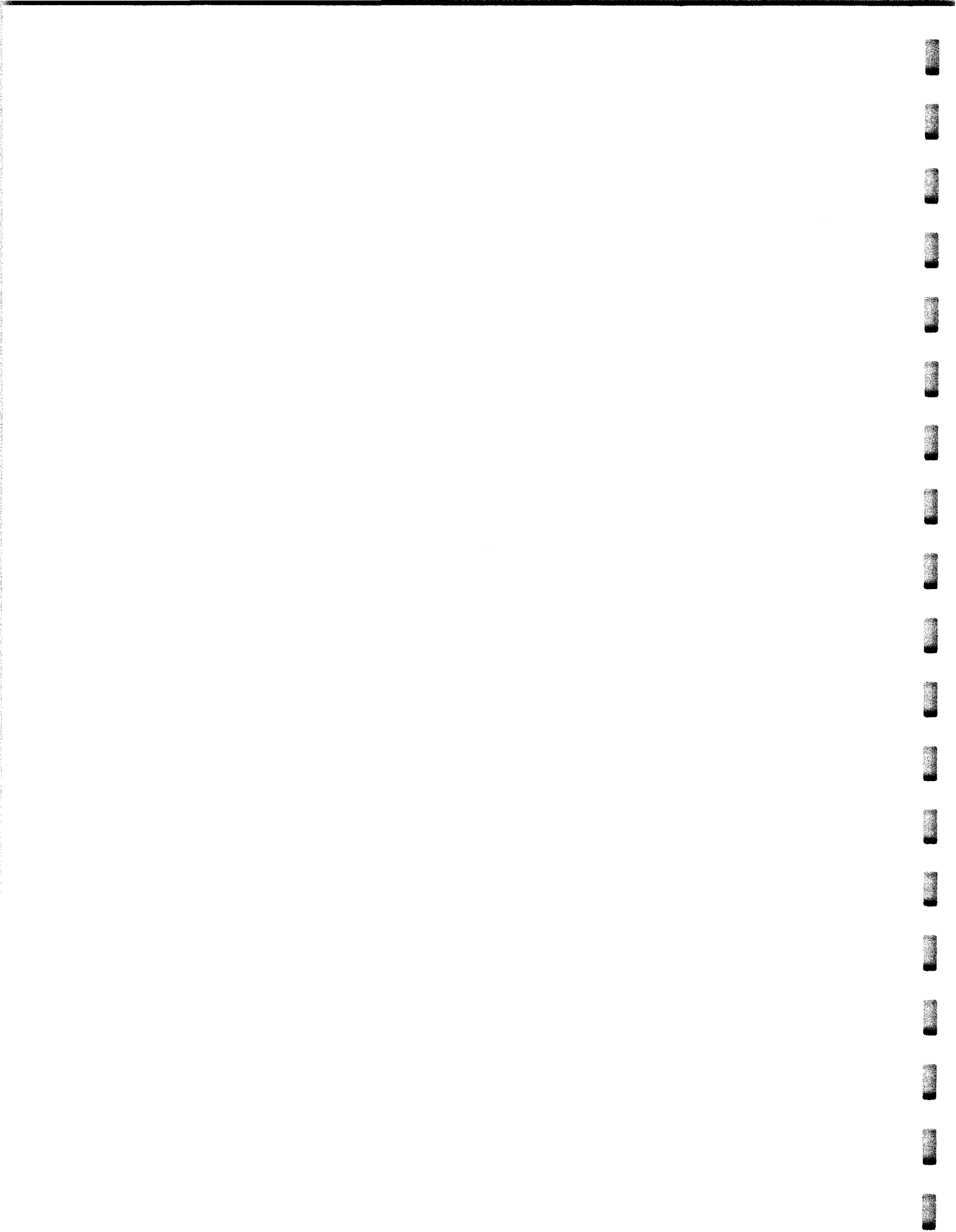
Class 30—Transformers and Reactors

5.30-1

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-30AAA	FA & FC		CG-30AAG	MARK 5		CRP-30AAM-1		
TRANSFORMER ASSEMBLY INCLUDES A CG-30701 OR CG-30780 3KVA, 450/1/60 TO 117/1/60 POWER TRANSFORMER AND A DISCONNECT SWITCH FUSED FOR 30 AMP ACCESSORY FOR SHIPS WHICH HAVE 450 VOLTS AVAILABLE. *BTL:KS-5917, CW:BX-50087, ISS 1 5/15/41 CG:CR-5193-89 GE:K-6978644 APR. 45			(EXCXAZ) ANT. SWITCH CONTROL TRANSFORMER CONSISTS OF INCLOSING CASE VARIAC TO CONTROL ANTENNA SWITCH MOTOR. INPUT: 115/1/60 AT 1.5 AMPS. OUTPUT: 0-135 VOLT 1 PHASE; 60 CYCLES 1.25 AMPS. 3/2/42 ML-7466540-G1 M-7466997 APR. 44 REV 1			98 TURNS 0.080 X 0.170 WIRE (EXCLUDING INSULATION), 0.155 OHMS DC RESISTANCE. SECONDARY: TWO 0.110 X 0.275 (EXCLUDING INSULATION) IN PARALLEL, 54 TURNS TAPPED AT 52 AND 51, 0.015 OHMS DC. SAME AS CRP-30AAM EXCEPT TAPS ARE PROVIDED IN PRIMARY.		
CG-30AAB	SC		CW-30AAH			CRY-30AAM MK 26 MOD 3		
TRANSFORMER 2KVA, SINGLE PHASE 60 CYCLES. PRIMARY: 230/460 VOLTS, 9.3/4.65 AMP SECONDARY: 115/230 VOLTS, 17.4/8.7 AMPS.			TRANSFORMER ASSEMBLY TRANSFORMER MARK 16 MOD 0: PRIMARY 440/1/60 6.0 AMPS 2.6 KW. SECONDARY 115/1/60			TRANSFORMER ASSEMBLY: CONSISTS OF A LOW CAPACITY FILAMENT TRANSFORMER, A PULSE TRANSFORMER FOR MATCHING A 50 OHM LINE TO A 706-V MAGNETRON INPUT, AND A METER FILTER CIRCUIT, MOUNTED ON A SMALL CHASSIS. INPUT: 115/1/60, 0.1 AMPS. OUTPUT: 6.3/1/60 1.5 AMPS. 4/17/44 P-727224-501 P-727236-1 APR. 44 SUB 0		
6/24/41	60G713		4/2/42	CW:D-150558	BX-21953	CRY-30AA0 MK 26 MOD 3		
APR. 44			APR. 454 ISSUE 1			TRANSFORMER ASSEMBLY: CONSISTS OF A FILAMENT TRANSFORMER, A BEFILAR PULSE TRANSFORMER FOR MATCHING A 50 OHM LINE TO A 706-V MAGNETRON INPUT AND A METER FILTER CIRCUIT MOUNTED ON A SMALL CHASSIS. INPUT: 115/1/60, 0.1 AMPS. OUTPUT: 6.3/1/60, 1.5 AMPS. SIMILAR TO 1/12/45 P-719445-501 P-722593 MAR. 45 SUB 0		
CG-30AAC	MK 5 (EXCXAZ)		CW-30AAJ	MARK 10		CRY-30AA0		
REGULATING TRANSFORMER: POWER SUPPLY TO TRANSMITTER. INPUT: 440/1/60 AT 7.5 AMPS. OUTPUT: 115/1/60 AT 26 AMPS. RATED 3.0 KVA.			TRANSFORMER ASSEMBLY: 440/115			AND SUPERSEDES TYPE CRY-30AAM TRANSFORMER ASSEMBLY.		
11/1/41	7466318	7467048	4/13/42	D150487				
APR. 44 REV 1			APR. 44					
CSY-30AAD	MARK 5 (EXCXAZ)		CG-30AAK	SC-2				
REGULATING TRANSFORMER POWER SUPPLY TO RECTIFIERS. SAME ELECTRICAL CHARACTERISTICS AS CG-30AAC.			TRANSFORMER: RATED 3.5 KVA, 60 CYCLES. PRIMARY 230/460 VOLTS. SECONDARY 115/230 VOLTS.					
11/1/41	CSY-30560	CG:M-7467083	5/27/42	M-7467100	M-7467609			
APR. 44 REV 1			APR. 44 REV 0					
CW-30AAE	SJ							
FILAMENT TRANSFORMER: FIL. TRANSFORMER FOR MAGNETRON IN SJ (IN TRANSMITTER) 12000V. DO INSULATION 115V. 60- INPUT.			-30AAL ACCESSORY FOR MARK 5 RADAR LINE TRANSFORMER: THREE PHASE; PRIMARY AND SECONDARY. PRIMARY TWO COILS 68 TURNS EACH, 230/460 VOLTS 15.2/7.6 AMP 3500 WATTS. SECONDARY TWO COILS 34 TURNS EACH, 115/230 VOLTS, 30.4/15.2 AMP. 7/11/42 APR. 44					
12/3/41	D-161277	ESD-634704-D						
APR. 44 ISSUE 2								
CSY-30AAF	FD		CRP-30AAM	SG	17-T-20			
TRANSFORMER ASSEMBLY INCLUDES A TYPE CSY-30803 3KVA, 450/1/60 TO 117/1/60 POWER TRANSFORMER AND A DISCONNECT SWITCH FUSED FOR 30 AMP. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE AS A UNIT WITH CG-30AAA ACCESSORY *BTL:KS-5917, BTL:BX-50087 ISS 1 2/4/42 CSY-95254 *SEE PLATE 2 APR. 45			TRANSFORMER: INPUT: 450/225/1/60. OUTPUT: 117 VOLTS. RATED 5 KVA. PRIMARY CONSISTS OF TWO SEPARATE WINDINGS, EACH RATED 225/1/60, 11.1 AMPS 98 TURNS. RESISTANCE OF BOTH PRIMARY COILS IN SERIES IS 0.31 OHMS DC. SECONDARY CONSISTS OF ONE WINDING RATED 117/1/60, 42.7 AMPS, 51 TURNS, .015 OHMS DC RESISTANCE. 7/17/42 U-6421 CRP-DX92-244 APR. 44 REV 3					
		CSY-30AAF			CRP-30AAM			
FOR SHIPS WHICH HAVE 450 VOLT SUPPLY. *DWG FOR CAT#-95254 AND DWG-2425.			117/1/60, 42.7 AMPS, 51 TURNS, .015 OHMS DC RESISTANCE.					
CSY-30AAF-1			CRP-30AAM-1	NXSS-26303				
TRANSFORMER ASSEMBLY CONSISTS OF THE TRANSFORMER PROPER AS SUPPLIED BY GENERAL ELECTRIC UNDER TYPE -30AAA COVERED BY A CAN AS SUPPLIED BY SOLA AS TYPE -30AAF. *BTL:BX-50087 ISS 1, BTL:KS-5917			TRANSFORMER: CONSISTS OF TWO PRIMARIES EACH RATED 212.5/220/227.5 VOLTS WHICH CAN BE SERIES OR PARALLEL CONNECTED. SECONDARY RATED 117/1/60, 5KVA, HAS TWO TAPS TO PROVIDE 117 VOLT OUTPUT WHEN THE TWO LOWER PRIMARY VOLTAGES ARE USED. EACH PRIMARY: 9/10/43 U-7434 DX92-723 APR. 44 SUB 0					
10/23/43	CAT 95298	95298						
APR. 46 *SEE ABOVE								

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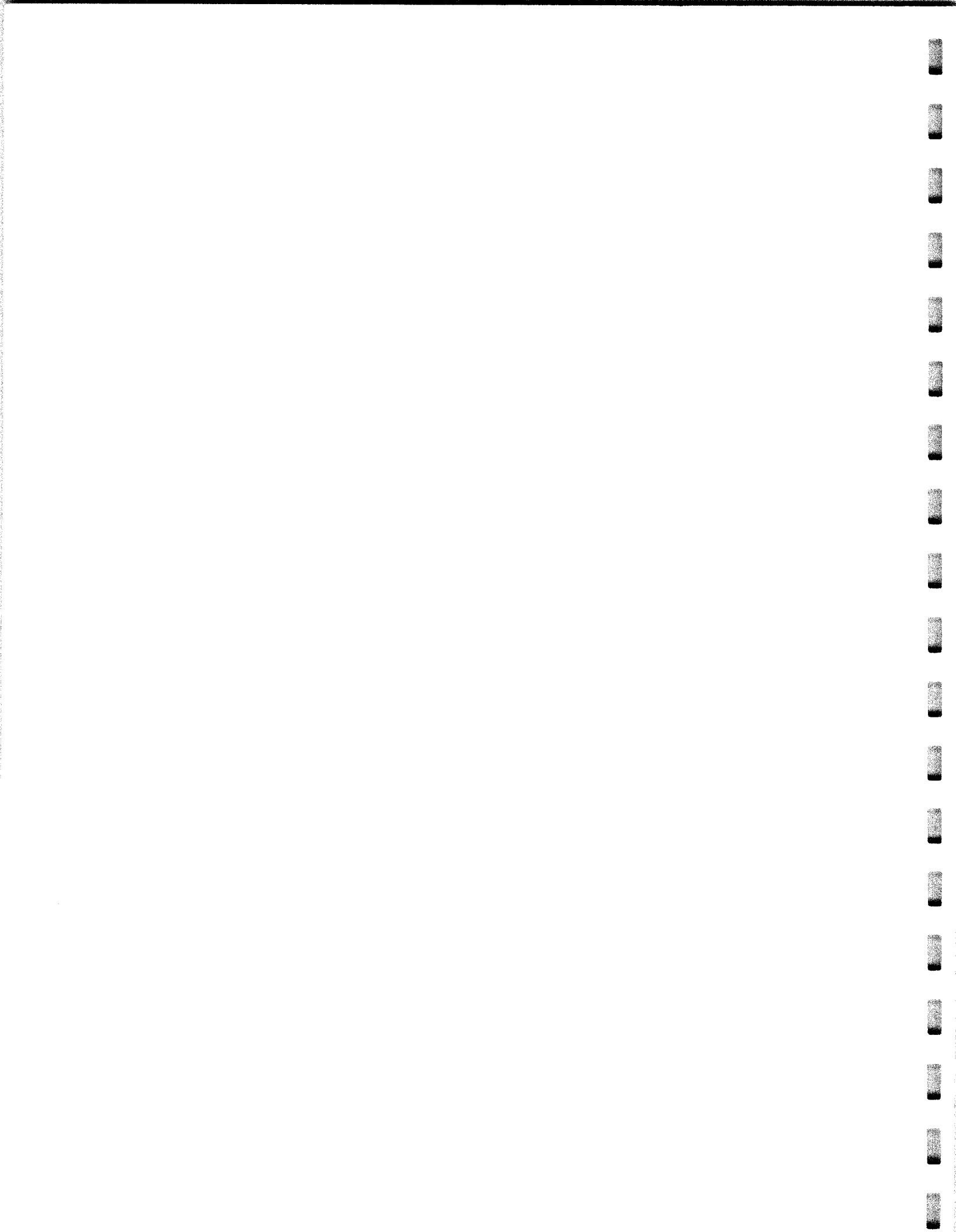


Class 35—Oscillators

CLASS 35

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NAVSHIPS 900,109



Class 35—Oscillators

5.35-1

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
CW-35AAB FA MODULATION GENERATOR: PART OF CW-43AAA TRANSMITTER AND RECEIVER.	2/25/41 APR. 44	D150178	CRP-35AAH-1 SG-1 MODULATION GENERATOR: SAME AS BASIC NUMBER EXCEPT FOR INTERNAL WIRING CHANGES TO MAKE PROVISION FOR KEEP-ALIVE VOLTAGE AND REMOVAL OF SOME RELAYS.	7/6/43 APR. 44	WX-3875-A	CW-35AAP NK-19 MODULATION GENERATOR: SIMILAR TO -35AAF EXCEPT FOR MODULATION RATE. MECHANICALLY INTERCHANGEABLE WITH -35AAF.	3/5/43 DEC. 44	D-151348 BX-21952 ISSUE 1
CW-35AAC FB MODULATION GENERATOR: PART OF CW-43AAB TR-REC. UNIT.	5/15/41 APR. 44	D150252	CRP-35AAJ CXBT MODULATION GENERATOR: CONSISTS OF A BANK OF 20 KEYS, WITH ASSOCIATED ELECTRONIC EQUIPMENT, DESIGNED TO SUPPLY A CHARACTERISTIC MODULATION FOR EACH CONTROL KEY. THIS MODULATION TO CONTROL A BANK OF 20 INDICATOR LAMPS AT THE ASSOCIATED RECEIVER (CXBS) UNIT. PEAK	5/16/42 APR. 44	GLO-161	CW-35AAP-1 NK 34 MOD 3 & 4 RADAR MODULATION GENERATOR NK 1 MOD 1: SIMILAR TO TYPE CW-35AAP MODULATION GENERATOR EXCEPT SLIGHT MODIFICATION OF WIRING HAS BEEN MADE. THIS MODIFICATION INCLUDES PROVISION FOR STRAP CONNECTIONS WHICH CAN BE USED TO ADAPT THIS UNIT TO THE RADAR EQUIPMENT	10/3/44 APR. 45	D-152811 BX-25549 ISSUE 1
CW-35AAD FG MODULATION GENERATOR: PART OF CW-43AAC TRANS-RECEIVER.	6/ /41 APR. 44	150272	CPR-35AAJ PULSE VOLTAGE IS 70 VOLTS. OUTPUT IMPEDANCE IS 5000 OHMS AT 750 CYCLES. PULSE DURATION IS 60 MICROSECONDS AT 1/2 SECOND RECURRENCE INTERVAL INPUT: 115/1/800. 1 ANP.			CW-35AAP-1 MARK 28 MOD 2.		
CG-35AAE BI MODULATOR UNIT:	8/25/41 APR. 44		CW-35AAK ASC MODULATION GENERATOR ASSEMBLY: CONSISTS OF CW-35AAL MODULATION GENERATOR AND A CW-46ABM IF TO VIDEO CONVERTER.	6/6/42 APR. 44	D-150503	CG-35AAQ SM RANGE CALIBRATOR: SEE TM FILES.	3/16/43 APR. 44	DL4W184R W-19J592 REV 0
CW-35AAF MARK 9 MODULATION GENERATOR:	4/1/42 APR. 44	D-150519	* (ESR-686237, ISSUE 2. ESIX-681566) ESR-690274, ISSUE 2	6/6/42 APR. 44	D-150503	CG-35AAR SM RANGE AND SWEPT UNIT:	3/16/43 APR. 44	DL4W187A W-19J637 REV 1
RA-35AAG LX ETC. VIDEO SIGNAL GENERATOR: FREQUENCY RANGE: 6000 TO 15000 CYCLES PER SECOND. PULSE TIMING 5 TO 50 MICROSECONDS, BOTH DIRECTLY CALIBRATED. INCLUDES RECTIFIER POWER UNIT FOR OPERATION FROM 115/1/60.	5/4/42 APR. 44		CW-35AAL ASC MODULATION GENERATOR: PART OF CW-35AAK ASSEMBL.	6/6/42 APR. 44	D-150503 LESS D-150551	CRY-35AAS NX38-14846 H.F. SWEEP GENERATOR:	3/16/43 APR. 44	PART OF W1-18709 TE-7293 H.F. SWEEP GEN. SUB 3
CRP-35AAH SG MODULATION GENERATOR: INPUT: 950/340V DC AT .0022/.130 AMPS AND 115/1/60 AT .6 AMPS. OUTPUT FREQUENCY WAVESHAPES: SQUARE WAVE TRIGGER PULSE. SQUARE WAVE RECEIVER BLANKING PULSE. IFF TRIGGER PULSE, SQUARE WAVE TO INDICATOR ALL 800 TO 1000 CYCLES; MARKERS TO IN-	4/23/42 APR. 44	WX-3875	CRY-35AAM MARK 6 & RADAR MODULATION GENERATOR: CONTAINS MASTER OSCILLATOR, FREQUENCY DIVIDING CHAINS, WAVE SHAPING CIRCUITS, SIGNAL AMPLIFIER AND CIRCUITS FOR DRIVING THE RANGE, TRAIN, AND ELEVATION MOTOR AMPLIFIERS. HOUSED IN TYPE CRY-23ACL MAIN CONTROL ASSEMBLY.	7/11/42 APR. 44		CTJ 35AAT NX50-15889 MASTER CONTROL OSCILLATOR		CANCELLED
INDICATOR 32-B KC.			CRP-35AAH SG MODULATION GENERATOR: INPUT: 950/340V DC AT .0022/.130 AMPS AND 115/1/60 AT .6 AMPS. OUTPUT FREQUENCY WAVESHAPES: SQUARE WAVE TRIGGER PULSE. SQUARE WAVE RECEIVER BLANKING PULSE. IFF TRIGGER PULSE, SQUARE WAVE TO INDICATOR ALL 800 TO 1000 CYCLES; MARKERS TO IN-	1/23/43 APR. 44		CHZ 35AAU USE WITH SM IFF COORDINATION PULSE UNIT (SEE SM JACKET)	4/6/43 OCT. 44	
			CG-35AAO SM MODULATOR: (SEE T.N. FILE)	2/8/43 APR. 44	DL-6869551 P-8547174 REV 4			GX-638T REV 6

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5.35-2

Class 35—Oscillators

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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CHZ-35AAU-1 FOR USE WITH SM
IFF COORDINATION PULSE UNIT:
SAME AS -35AAU EXCEPT THREE POTENTIOMETER
ADDED TO PROVIDE SEMI-ACCESSIBLE SCREW
DRIVER ADJUSTMENTS.

2/28/44
APR. 44

CHZ 35AAV *SEE BELOW
FREQUENCY DIVIDER

CANCELLED
*ACCESSORY FOR BM & BO

5/28/43 BM FREQ. DIVIDER SK-G20
OCT. 44

CHZ-35AAW BM
POWER OSCILLATOR:
THIS UNIT DETERMINES THE FREQUENCY OF THE
BM TRANSMITTER OUTPUT. FREQ. IS RANGE "A"
SAME AS TYPE -35AAX EXCEPT FOR FREQUENCY
SETTING.

6/21/43 BM POWER
APR. 44 OSCILLATOR

CHZ-35AAX BO
POWER OSCILLATOR:
THIS UNIT DETERMINES THE FREQUENCY OF THE
BO TRANSMITTER OUTPUT. FREQ. IS RANGE "C"
SAME AS TYPE -35AAM EXCEPT FOR FREQUENCY
SETTING.

6/21/43 BO POWER
APR. 44 OSCILLATOR

CG-35AAY SM-1
MODULATOR:
INPUT: 220V DC, 3.5 AMPS; 220V DC, 23
AMPS; 440/3/60, 40 AMPS. OUTPUT: 5/1/60,
1.25 AMPS; 115/1/60 AT 3.30, 40 AMPS;
440/3/60 AT 20, 5 AMPS. SIMILAR TO
-35AAD EXCEPT FOR DC INPUT AND INTERNAL
WIRING.
7/15/43 DL-6869551 P-8364297
APR. 44 REV 0

CH-35AAZ MARK 20
MODULATOR:
SUPPLY: 115/1/400 FOR THE MOTOR-BLOWER
UNIT AND TRANSFORMER PRIMARIES, 27 V.D.C.
FOR OPERATING RELAYS. CONSISTS OF TWO
SEPARABLE SUB-UNITS MOUNTED IN A BOX
TYPE METAL FRAME SECTION TO FORM A PART
OF THE TOWER ASSEMBLY. ONE IS AN AIR
11/2/43 X-66189H ES-662709
APR. 44 ISSUE 1

CV-35ARZ
UNIT AND THE OTHER AN OIL UNIT. THE MOD-
ULATOR FUNCTIONS TO RECEIVE TRIGGERING
IMPULSES FROM THE INDICATOR CIRCUITS AND
GENERATES, H.V. PULSES WHICH ARE TRANSMIT-
TED TO THE MAGNETRON OSCILLATOR IN THE
TRANSMITTER-RECEIVER UNIT.

CG-35ABA SP
RANGE UNIT:
CONTAINS MULTIVIBRATOR, SWEEP AND MARKER
CIRCUITS FOR PRESENTING 100 MILE AND 5
MILE SWEEP ON THE "A" AND THE RANGE
SCOPES AND FOR CALIBRATING RANGE AC-
CURATELY.

12/29/43 DL4W579A
APR. 44

CG-35ABC TDY, X-TDY
POWER OSCILLATOR:
USES TYPE ZP-579 OR ZP-590 MAGNETRON
TUBE. UNMODULATED POWER OUTPUT 150 WATTS.
IS A SEMIREMOVABLE UNIT OF CG-52ACY.
DETERMINES POWER OUTPUT AND CARRIER FRE-
QUENCY OF CG-52ACY.

1/8/44 ML-7351996-G1 P-7767060
DEC. 44 REV 2

CG-35ABD SP,SP-1M
MODULATOR "A":
PULSE LENGTH: 1 MICROSECOND AT 600 CPS.

2/3/44 P-8378381
APR. 44 REV 1

CG-35ABE SP,SP-1M
MODULATOR "B":
PULSE LENGTH: 5 MICROSECONDS AT 120 CPS.

2/3/44 P-6378817
APR. 44 REV 0

CKP
CHZ-35ABF BM-1
POWER OSCILLATOR:
THIS UNIT DETERMINES THE FREQUENCY RANGE
OF MODEL BM-1 TRANSMITTER (RANGE "A").
PLUGS INTO NAVY TYPE -50AEH MODULATOR-
MONITOR, THE TWO COMBINING TO MAKE A COM-
PLETE TRANSMITTER TO TRANSMIT RF SIGNALS
3/15/44 SA-2783 CHZ:LA-1041
DEC. 44 REV 0

OF 6 TO 10 MICROSECS. AS CKP
MEASURED AT 50% VOLTAGE CHZ-35ABF
AMPLITUDE AND NOT LESS THAN 1500 WATTS
POWER AS AVERAGED DURING SIGNAL INTER-
VAL INTO A 50Ω RESISTIVE LOAD AT ANY
FREQUENCY FROM A TO G UNITS. ELECTRICAL-
LY AND MECHANICALLY INTERCHANGEABLE AS A
UNIT WITH NAVY TYPE -35AAM EXCEPT FOR
CONNECTORS AND RECEPTACLES AND ADDED
FILTER CONDENSER.

CHZ
CKP-35ABG BO-1
POWER OSCILLATOR:
THIS UNIT DETERMINES THE FREQUENCY OF THE
MODEL BO-1 TRANSMITTER (RANGE "C").
PLUGS INTO NAVY TYPE -50AEH MODULATOR-
MONITOR, THE TWO COMBINING TO MAKE A COM-
PLETE TRANSMITTER TO TRANSMIT RF SIGNALS
3/15/44 SA-2784 CHZ:LA-1042
DEC. 44 REV 0

CKP
CHZ-35ABG
OF 6 TO 10 MICROSECS. AS MEASURED AT 50%
VOLTAGE AMPLITUDE AND NOT LESS THAN 1500
WATTS POWER AS AVERAGED DURING SIGNAL
INTERVAL INTO A 50Ω RESISTIVE LOAD.
ELECTRICALLY AND MECHANICALLY INTER-
CHANGEABLE AS A UNIT WITH NAVY TYPE
-35AAX EXCEPT FOR CONNECTORS AND RESEP-
TACLES AND ADDED FILTER CONDENSER.

CRP-35ABH SG-1,SG-2S
MODULATION GENERATOR:
INPUT: 950/340 VOLTS DC AT 2.2/130 MA
AND 115/1/60 AT 0.6 AMPS. SAME AS 35AAH-1
EXCEPT TERMINATIONS ARE 100 OHMS AT 1 MC
AND DC.

4/8/44 RX-1123
APR. 44

35AB1

NOT TO BE ASSIGNED

CM-35ABJ PL
SYNC OSCILLATOR
PROVIDES FOR AURAL CHECKING FOR DETER-
MINING THE PROPER MANUAL ADJUSTMENT OF
THE NAVY TYPE CM-23AFG SWITCHING CONTROL
UNIT. CAN BE SWITCHED TO PERFORM AS A
1000 CYCLE TONE OSCILLATOR FOR MISCELL-
ANEOUS TESTING (CANCELLED-EQUIPMENT
4/24/44
DEC. 44

CM-35ABJ
REDESIGNED TO TWO UNITS -50AFA AND
-50AFB1.

CM-35ABK PL
SWEEP OSCILLATOR

4/24/44
OCT. 44

CG-35ABL TDY-1
POWER OSCILLATOR
USES ZP-646 MAGNETION TUBE. UNMODULATED
POWER OUTPUT IS 150 WATTS. DETERMINES
POWER OUTPUT AND CARRIER FREQUENCY OF
THE TRANSMITTER. SAME AS CG-35ABM EXCEPT
FOR MAGNETION.

6/9/44 ML-7352204G1
OCT. 44

CG-35ABM TDY-1
POWER OSCILLATOR
USES ZP-584 MAGNETION TUBE. UNMODULATED
POWER OUTPUT IS 150 WATTS. DETERMINES
POWER OUTPUT AND CARRIER FREQUENCY OF
THE TRANSMITTER. SAME AS CG-35ABL EXCEPT
FOR MAGNETION.

6/9/44
OCT. 44

CAOW-35ABN TEA
LF POWER OSCILLATOR
INPUT: 400V DC AT 1 AMP. OUTPUT POWER
IS 1 KW. FREQ. RANGE: 15-55 MC. INCLUDES
ONE UNITY COUPLED PUSH-PULL RF OSCILLA-
TOR, A TYPE -50AFD MODULATOR TO MODULATE
WITH EITHER TONE OR NOISE, AND EITHER A
TYPE -35ABP MODULATION GENERATOR OR A
7/1/44
OCT. 44

CAOW-35ABR
TYPE -35ABQ TONE GENERATOR. ALL UNITS
ARE HOUSED IN A SINGLE ALUMINUM ANGLE
FRAME.

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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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
CAOM 35AB0 TEA HF POWER OSCILLATOR INPUT: 4000V DC AT 1 AMP. OUTPUT POWER IS 1 KW FREQ. RANGE: 40-130 MC. USES TUNED LINE ELEMENTS. INCLUDES ONE UNITY COUPLED PUSH-PULL RF OSCILLATOR. A TYPE -50A0F MODULATOR TO MODULATE WITH EITHER TONE OR NOISE AND EITHER A TYPE -35ABP 7/1/44 OCT. 44			CM-35ABT TRANSMITTER-RECEIVER. POWER DISSIPATION 60 WATTS.			CG-35ABY TDY-2/3 POWER OSCILLATOR: USES ZP-646 MAGNETRON TUBE. UNMODULATED POWER OUTPUT IS 150 WATTS. DETERMINES POWER OUTPUT AND CARRIER FREQUENCY OF TDY-2/3 EQUIPMENTS. SAME AS TYPE -35ABL EXCEPT (1) PANEL SIZE IS REDUCED AND RF OUTPUT LINE IS BROUGHT OUT AT A NEW 3/15/45 ML-7352262G1 APR. 45		
CAOM 35AB0 MODULATION GENERATOR OR A TYPE -35ABQ TONE GENERATOR. ALL UNITS HOUSED IN A SINGLE ALUMINUM ANGLE FRAME.			CRY 35ABU SR-2 TRIGGER UNIT PROVIDES 2000 VOLT PULSES AT 180 AND 600 PULSES PER SECOND. CONTAINS BLOCKING OSCILLATOR CIRCUIT STABILIZED BY RC OSCILLATOR. 2 SWITCHES FOR PROVIDING 5% FREQUENCY VARIATION IN SEVEN STEPS AND A PULSE LENGTH SWITCH. SUPPLY: 115/1/60 11/21/44 FEB. 46			CG-35ABY LOCATION IN TRANSMITTER TO JOIN CABLE TO LINE STRETCHER (2) HAS AIRDUCT WORK TO DIRECT COOLING AIR FROM BLOWER TO MAGNETRON SEALS; (3) BLOWER HAS BEEN REMOVED.		
CAOM 35ABP TEA MODULATION GENERATOR VARIABLE FREQUENCY AUDIO OSCILLATOR. PART OF TYPE -35ABN LF POWER OSCILLATOR TYPE -35AB0 HF POWER OSCILLATOR. 7/1/44 OCT. 44			AT 3 AMPS.			CG-35ABZ SX SYNCHRONIZER: INPUT: +300V DC. 13.2 WATTS; 115V AC. 80 WATTS. GENERATES RANGE MARKS & TRIGGERS TO: SIX 2 MILE RANGE MARKER OUTPUTS CONTROLLABLE TO +8 VOLTS APPROXIMATELY; SIX 10 MILE RANGE MARKER OUTPUTS FIXED AT 3 VOLTS APPROXIMATELY; SIX 20 MILE 3/20/45 4HY90A1 T-7664161 APR. 45 REV. 0		
CAOM 35ABQ TEA TONE GENERATOR FOUR FREQUENCY FIXED AUDIO OSCILLATOR. PART OF TYPE -35ABN LF POWER OSCILLATOR OR TYPE -35AB0 HF POWER OSCILLATOR. 7/1/44 OCT. 44			CRP 35ABY TDY-a, TDY-1a POWER OSCILLATOR USES 4 MAGNETRONS. UNMODULATED POWER OUTPUT IS 150 WATTS. DETERMINES POWER OUTPUT AND CARRIER FREQUENCY. 7/5/44 RX-1402 FEB. 45			RANGE MARKER OUTPUTS CONTROLLABLE TO +10 VOLTS APPROXIMATELY. FOUR HEIGHT SYSTEM REPETITION RATE, STANDARD NAVY; TRIGGER OUTPUTS; FOUR SEARCH SYSTEM REPETITION RATE, STANDARD NAVY. TRIGGER OUTPUTS. ALL MARKERS AND TRIGGERS ARE FED INTO 70 OHM CABLE.		
CG-35ABR TDY-1 RE 9256 POWER OSCILLATOR USES EITHER TYPE ZP-579 OR ZP-590 MAGNETRON TUBE UNMODULATED POWER OUTPUT IS 150 WATTS. DETERMINES POWER OUTPUT AND CARRIER FREQUENCY OF TRANSMITTER. SAME AS -35ABC EXCEPT (1) LIGHT SENSITIVE CELL USED AS INDICATOR FOR CORRECT 7/5/44 ML-7352036G1 OCT. 44			CM-35ABW UP CARRIER SUPPLY BAY NO. 1: INPUT: 24/150V DC. INCLUDES ALARM RELAYS, JACKS, RESISTORS WIRED AS PART OF CABINET ASSEMBLY AND THE FOLLOWING UNITS. 1 CM-10456, 1 CM-10457, 1 CM-28020, 1 CM-35068, 1 CM-35069, 1 CM-35070, 1 CM-35071, 1 CM-35072, 1 CM-35073, 1/18/45 H-327-201 H-327-201 MAR. 45 LIST 1 ISSUE 1			CLP-35ACA SX LOCAL OSCILLATOR (HEIGHT FINDER): CONSISTS OF A REMOVEABLE CHASSIS WHICH PLUGS IN THE TYPE -46AEB RADAR RECEIVER FOR OPERATION ON THE SUB W BAND MECHANICALLY INTERCHANGEABLE WITH TYPE -35ACB LOCAL OSCILLATOR (SEARCH). 4/2/45 MAY 45		
CG-35ABR FILAMENT TEMPERATURE (2) SLIGHT CHANGE IN GEARING.			CM-35ABW 1 CM-35074, 1 CM-35075, 1 CM-49745, 1 CM-50228, 1 CM-60036, AND 1 CM-62193.			CLP-35ACB SX LOCAL OSCILLATOR (SEARCH) CONSISTS OF A REMOVEABLE CHASSIS WHICH PLUGS IN THE TYPE -46AEB RADAR RECEIVER FOR OPERATION ON THE Sg BAND. MECHANICALLY INTERCHANGEABLE WITH TYPE -35ACA LOCAL OSCILLATOR (HEIGHT FINDER). 4/2/45 MAY 45		
CGM 35ABS MARK 29 MOD 2 MODULATION GENERATOR SAME AS -35AAP EXCEPT FOR ADDITION OF DELAY MULTIVIBRATOR TO MESH THE TRANSMITTER-RECEIVER UNIT. 7/31/44 OCT. 44			CM-35ABX UP CARRIER SUPPLY BAY NO. 2: INPUT: 24/150V DC. INCLUDES, JACKS, RESISTORS WIRED AS PART OF CABINET EQUIPMENT AND THE FOLLOWING UNITS: 1 CM-10456 1 CM-28021, 1 CM-28022, 1 CM-28023, 1 CM-28024, 1 CM-28025, 1 CM-28026, 1 CM-28027, 1 CM-35076, 1 CM-35077, 1/18/45 H-327-202 H-327-202 MAR. 45 LIST 1 ISSUE 1			CM-35ACC SS MODULATION GENERATOR COMPOSED OF A NUMBER OF MULTI-VIBRATORS. PULSE AMPLIFIER, & A CATHODE FOLLOWER WHICH PROVIDES A SYNCHRONIZING PULSE FOR OTHER CIRCUITS. A PART OF TYPE -45A0F RADAR TRANSMITTER-RECEIVER. 4/7/45 D-153264 BR-60434 MAY 45 ISSUE 1		
CM-35ABT MK 8 MOD 3 MODULATION GENERATOR CONTAINS PULSE GENERATING CIRCUITS FOR CONTROLLING MODULATOR AND FOR SYNCHRONIZING SYSTEM'S DISPLAY EQUIPMENT; INCLUDES BEARING LINE PULSE SHAPER CIRCUIT AND VOLTAGE REGULATOR FOR SUPPLYING REGULATED +120 VOLTS TO CW-23ACU RADAR 9/14/44 D-152511 BX-50086 APR. 45 ISS 1			CM-35ABX 1 CM-35078, 1 CM-35079, 1 CM-35080, 1 CM-35081, 1 CM-35082, AND 1 CM-62193.			CM-35ACD SV MODULATION GENERATOR USED WITH TYPE -43ACW RADAR TRANSMITTER-RECEIVER AND PROVIDES AN "ON TIME" PULSE OF APPROXIMATELY 40 MICROSECONDS FOR THE MODULATION TUBES AT A REPETITION RATE OF 400 PULSES PER SECOND. PROVIDES POSITIVE SYNCHRONOUS PULSE OF APPROXIMATELY 25 4/14/45 D-152672 BX-22663 MAY 45 ISSUE 6		

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CW-35ACD
VOLTS WHICH MAY BE VARIED IN TIME BETWEEN 3 AND 10 MICROSECONDS AFTER END OF THE "ON TIME" PULSE, WHICH IS OF APPROXIMATELY 750 VOLTS.

CAY-35ACH SR-3
TRIGGER UNIT PROVIDES PULSE WHICH FIRES HYDROGEN THYRATRON. FREQUENCY CONTROLLING PORTION CONSISTS OF HIGHLY STABLE RC OSCILLATOR WHICH OPERATES AT EITHER 150 CYCLE OR 600 CYCLE REPETITION RATE. OUTPUT OF OSCILLATOR FED INTO CLIPPER TUBE & FROM 6/15/45
MAY 45

CW-35ACE SV
BEATING OSCILLATOR ASSEMBLY CONSISTS OF A 2K29 OSCILLATOR TUBE MOUNTED IN A SHIELDED BOX. A "T" CONNECTION IS PROVIDED AT ITS BASE TO PROVIDE 2 PATHS FOR THE OSCILLATOR OUTPUT. ONE GOES TO THE SIGNAL MIXER WHICH MIXES THE RECEIVING & BEATING OSCILLATOR SIGNAL & 4/14/45 D-152673 BR-21860
MAY 45 ISSUE 6

CAY-35ACH
THERE INTO A DIFFERENTIATING CIRCUIT. RESULTING PIP TRIGGERS A BLOCKING OSCILLATOR. OUTPUT OF WHICH IS FED INTO AN 807 CATHODE FOLLOWER WHICH PROVIDES LOW IMPEDANCE TRIGGER FOR THE 5C22 HYDROGEN THYRATRON TUBE. CIRCUITS PLUS DC POWER SUPPLY MOUNT ON CHASSIS WITHIN FRAME OF TYPE -60AHE MODULATOR UNIT.

CW-35ACE
THE OTHER GOES TO THE AUTOMATIC FREQUENCY CONTROL MIXER WHICH MIXES THE TRANSMITTING & BEATING OSCILLATOR SIGNAL.

35AC1

DO NOT ASSIGN

CW-35ACE-1 SV
BEATING OSCILLATOR ASSEMBLY CONSISTS OF A 2K29 OSCILLATOR TUBE MOUNTED IN A SHIELDED BOX A "T" CONNECTION IS PROVIDED AT ITS BASE TO PROVIDE 2 PATHS FOR THE OSCILLATOR OUTPUT. ONE GOES TO THE SIGNAL MIXER WHICH MIXES THE RECEIVER & BEATING OSCILLATOR 4/14/45 D-153257 BR-27458
MAY 45 ISSUE 2

CAY-35ACJ SR-3
TRANSMITTER OSCILLATOR MOUNTED ON CHASSIS ARE MAGNETRONS, MAGNET, WAVE GUIDE CHOKE COUPLING AND THE RF HEAD CONSISTING OF A TR UTILIZING A GAS TUBE GAP, A CRYSTAL MIXER, AND AN IF PRE-AMPLIFIER TUNED TO A FREQUENCY OF 30 MCS AND INCORPORATING FEATURES OF 5/17/45
MAY 45

CW-35ACE-1
SIGNALS & THE OTHER GOES TO THE AUTOMATIC FREQUENCY CONTROL MIXER WHICH MIXES THE TRANSMITTING & BEATING OSCILLATOR SIGNALS. ELECTRICALLY & MECHANICALLY INTERCHANGEABLE WITH TYPE -35ACE BUT HAS A BETTER SHIELDING FOR TUBE.

CAY-35ACJ
GAIN CONTROL ON 2 STAGES. WIDE AND NARROW BAND WIDTHS CIRCUITS. A GROUNDED GRID INPUT STAGE. DOUBLE TUNED CRITICALLY COUPLED IF TRANSFORMERS AND 50 OHM INPUT AND OUTPUT CIRCUITS CONNECTED TO TYPE "N" CONNECTOR. PART OF TYPE CAY-43ADL.

CAQ1-35ACF MBE RE 13A 1036
PULSE CONTROL UNIT CONTAINS ELECTRONIC CONTROLS AND CIRCUITS NECESSARY FOR THE ADEQUATE CONTROLLING OF TRANSMITTER OUTPUT FROM RECEIVER INPUT.

4/26/45
MAY 45

CRP-35ACG TOY-a/TDY-1a
POWER OSCILLATOR USES 4 MAGNETRONS. UNMODULATED POWER OUTPUT IS 150 WATTS. DETERMINES POWER OUTPUT AND CARRIER FREQUENCY. SIMILAR TO TYPE CRV-35ABV EXCEPT IT HAS NEW MAIN CABLE HARNESS; SOME TERMINAL BOARDS ARE RELOCATED; AND THE SCREEN RESISTOR IS 6/11/45 RX-1402A
MAY 46

CRP-35ACG
CHANGED FROM 1250 OHMS TO 20,000 OHMS.

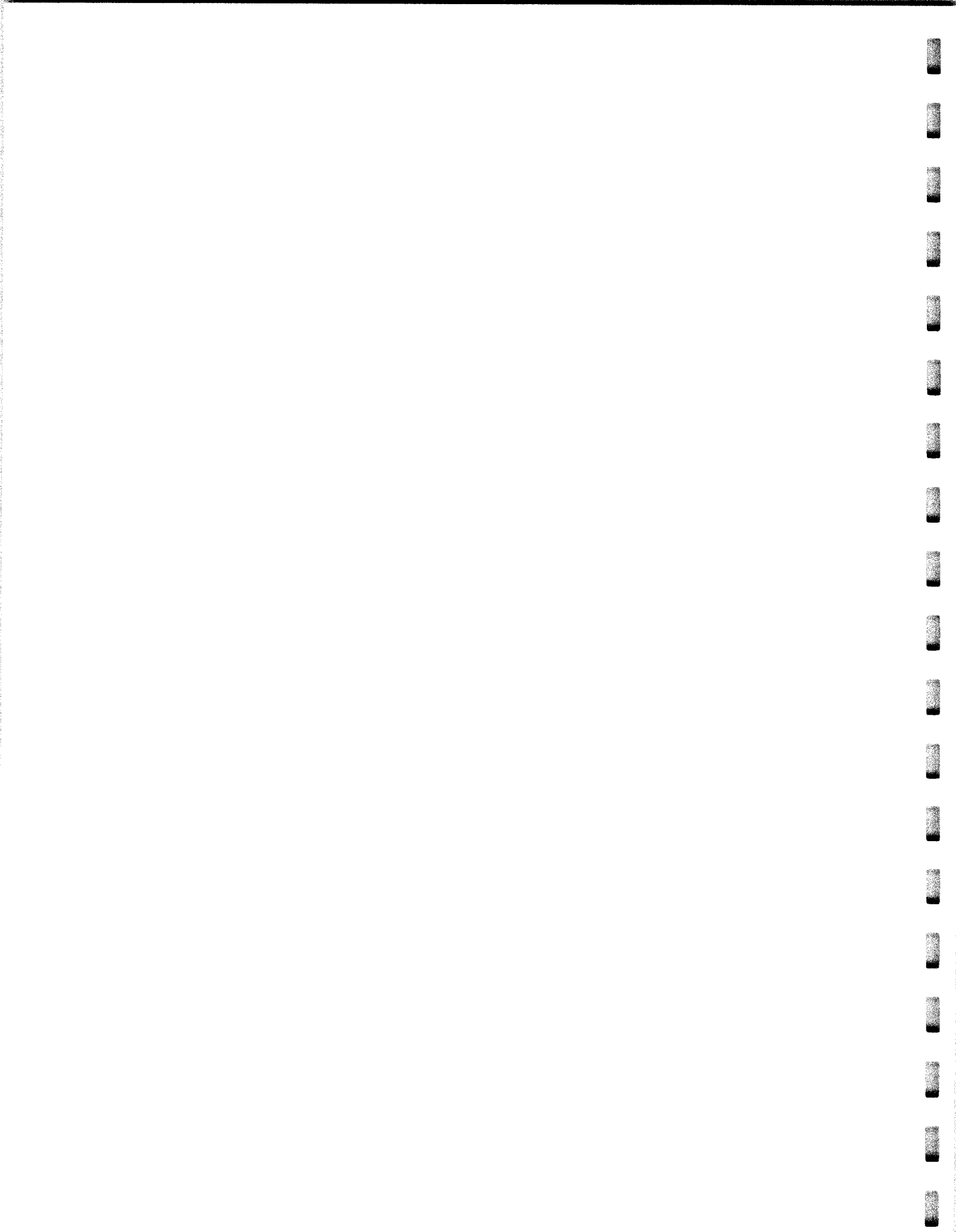
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 36—Range Transmitter

CLASS 36

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NAVSHIPS 900,109



Class 36—Range Transmitter

5.36-1

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
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CG-36AAA CXAZ
 RANGE TRANSMITTER:
 INCLUDES PHASE SHIFTER WITH BOTH ELECTRICAL AND MECHANICAL MEANS FOR DRIVING. DIAL FOR READING RANGE, HAND WHEEL FOR TRACKING RANGE, AND 3 SELSYN TRANSMITTERS (2000 YDS/REV., 36000 YDS/REV, AND 108,000 YDS/REV) TO SEND RANGE DATA TO 11/1/41 DL-8025606 W-8019829
 APR. 44 REV 2

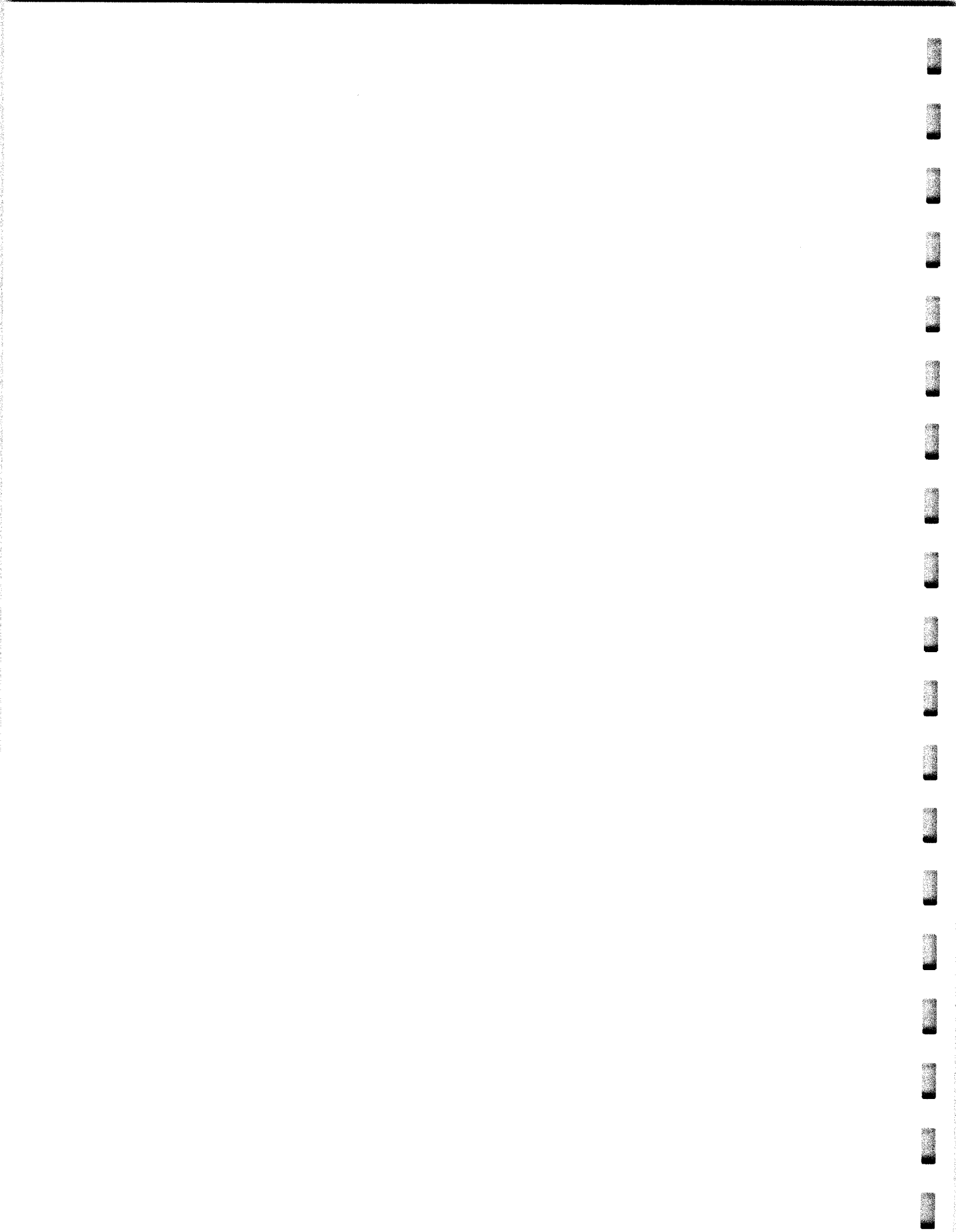
CG-36AAA
 TO COMPUTER. MOUNTING SPACE FOR RANGE INDICATOR.

CG-36AAB MK 5, MOD 1.
 RANGE SYNCHRO-TRANSMITTER:
 CONTAINS THE PHASE SHIFTER, MANUAL AND MOTOR DRIVE, RANGE INDICATOR DIALS AND THE SYNCHRONOUS TRANSMITTING GENERATOR SYSTEM. SIMILAR TO CG-36AAA BUT HAS AN AUTOMATIC MOTOR DRIVE FOR AUTOMATIC CONTROL.
 5/27/42 DL-8025614
 APR. 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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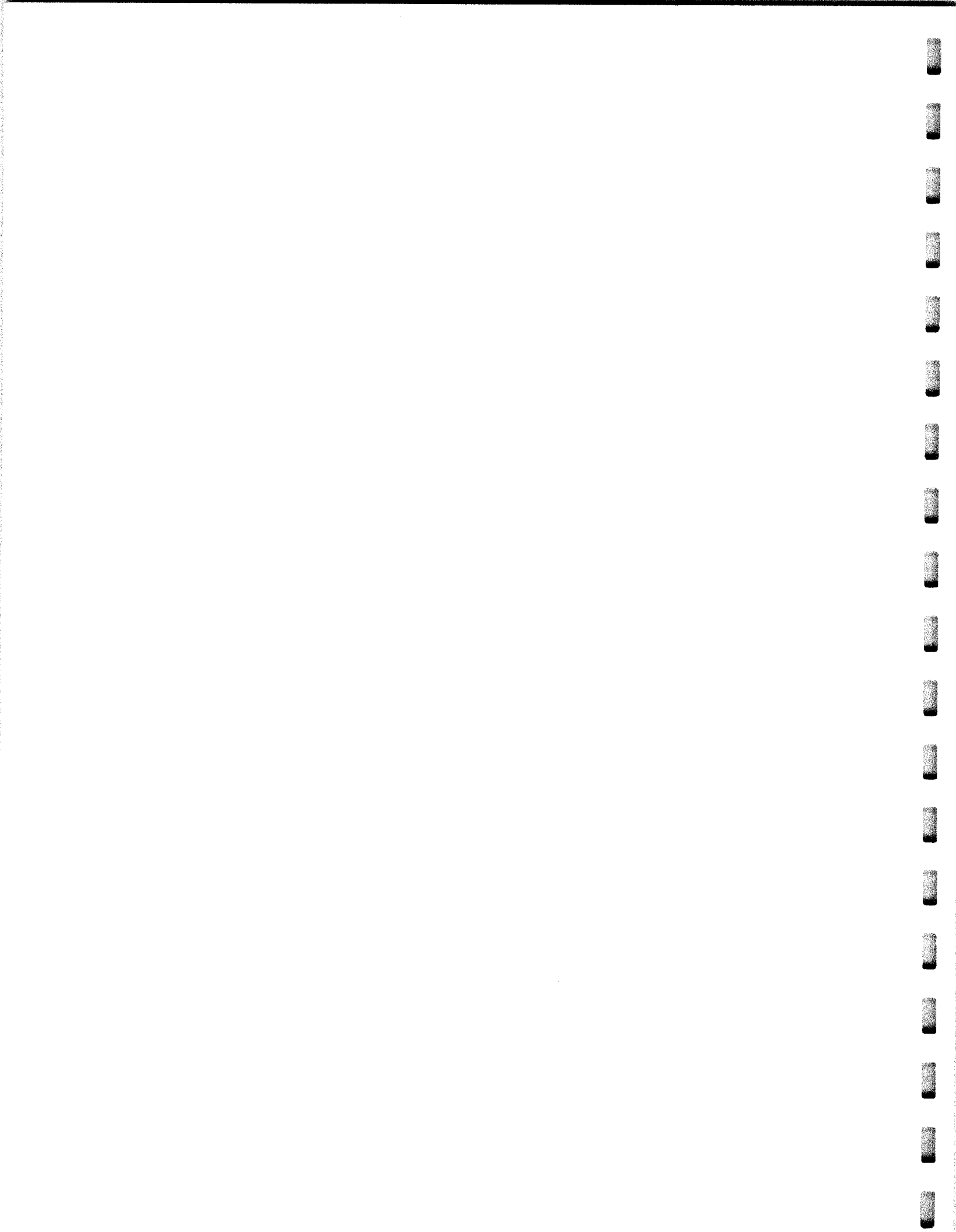


Class 43—Transmitter-receiver Units

CLASS 43

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NAVSHIPS 900,109



Class 43—Transmitter-receiver Units

5.43-1

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
<p>CW-43AAA FA TRANSMITTER AND RECEIVER UNIT: 2 PANEL ASSEMBLY CONSISTING OF FOLLOW- ING UNITS: CW-2CAAB HIGH VOLTAGE RECT. CW-23AAB CONTROL PANEL CW-35AAB MODULA- TION GENERATOR CW-46AAC RADIO RECEIVER CW-50AAE DUPLEXING PANEL CW-52AAD RADIO TRANSMITTER. 2/25/41 DIS0177 (CW)ESR-678375-1 APR. 44</p>			<p>CW-43AAF-1 STAGE. (FREQUENCY RANGE; TO MC. SUPPLIES PEAK POWER OUTPUT OF 20 KW IN 1/4 MIC- ROSECONDS PULSES AT RATES OF 580 TO 630 AND 1520 TO 1540 PULSES PER SECOND). ELECTRICALLY AND MECHANICALLY INTERCHANGI- BLE WITH CW-43AAF.</p>			<p>CRP-43AAK-3 SG-1 RADAR TRANSMITTER-RECEIVER ASSEMBLY: SAME AS BASIC NUMBER EXCEPT INCLUDES -46ABD-3 RADAR RECEIVER, -52ABE-1 RADAR TRANSMITTER, -35AAH-1 MODULATION GEN- ERATOR AND HAS ADDED A RECORDING TIME METER. 7/6/45 X74-5039 APR. 44 SUB 2</p>		
<p>CW-43AAA-1 FA-a RADAR TRANSMITTER & RECEIVER ASSEMBLY: CONSISTS OF FOLLOW- ING UNIT: CW-20AAB-1 HIGH VOLTAGE REC- TIFIER; CW-23AAB CONTROL PANEL; CW-35AAB MODULATION GENERATOR; CW-46AAC RADAR RE- CEIVER; CW-50AAE-1 DUPLEXING PANEL; CW-52AAF RADAR TRANSMITTER. 2/16/42 DIS0177 APR. 44</p>			<p>CG-43AAG ABA-1 RADIO RECEIVER-TRANSMITTER (TRANSPONDER) PULSE DURATION IS 3 AND 10 MICROSECONDS (DEPENDING ON SELECTION) AND REPETITION RATE IS 60 TO 9000 CYCLES. INPUT: 12 OR 24V DC; 400V DC. AT 0.155 AMPS; AND 800V DC AT 0.020 AMPS: 1/12/42 (CG)(CZR)(CFN) APR. 44</p>			<p>CRP-43AAK-4SG-1.SG-2S RADAR TRANSMITTER-RECEIVER ASSEMBLY: SAME AS -43AAK-3 EXCEPT INCLUDES CRP- 46ADQ RADAR RECEIVER AND CRP-35ABH MOD- ULATION GENERATOR. 4/14/44 WX-4871A DEC. 44</p>		
<p>CW-43AAC FC TRANSMITTER-RECEIVER UNIT: CONSISTS OF CW-35AAD MODULATION GENERATOR CW-46AAC RADIO RECEIVER, CW-23AAB CONTROL PANEL, CW-52AAF RADIO TRANSMITTER, CW- 20AAF H-V. RECTIFIER, CW-50AAF DUPLEXING PANEL. 5/15/41 DIS0271 APR. 44</p>			<p>CPR-43AAH ABD/ABD-2 AIRCRAFT RADIO RECEIVER (& TRANSMITTER): INCLUDES POWER UNIT THE INPUT AND OUTPUT OF WHICH IS 12 VOLTS, 6 AMPS AND 10 VOLTS RESPECTIVELY. SAME AS CPR-43AAH EXCEPT FOR POWER AND FREQUENCY REQUIREMENTS. 1/12/42 CPR:5L0-125 APR. 44 REV 0</p>			<p>CW-43AAL MARK 9 RADAR TRANSMITTER & ANTENNA ASSEMBLY: INCLUDES A D-150511 RADAR TRANSMITTER, A D-150450 RADAR RECEIVER CONVERTER, A D-150370 T-R CAVITY, A D-150512 DIPOLE ANTENNA AND HOUSING, AND A PARABOLIC RE- FLECTOR. 4/1/42 D-150370,D-150450 APR. 44 D-150511,D-150512</p>		
<p>CG-43AAD ABA RADIO RECEIVER-TRANSMITTER(TRANSPONDER) SIMILAR TO 43AAG EXCEPT FOR 400 VOLT- 7/2/41 APR. 44</p>			<p>CPR-43AAJ ABD-1,-3 AIRCRAFT RADIO RECEIVER (& TRANSMITTER) INCLUDES POWER UNIT THE INPUT AND OUTPUT OF WHICH IS 24 TO 28 VOLTS, 2.5 AMPS AND 10 VOLTS RESPECTIVELY. SAME AS TYPE 43-AAH EXCEPT FOR POWER REQUIREMENTS. 1/12/42 CPR:5L0-122 APR. 44 REV 0</p>			<p>CG-43AAH BI-1 RADIO TRANSMITTER-RECEIVER: CONSISTS OF CG-20AAJ. LOW VOLTAGE. RECTI- FIER CG-20AAX HIGH VOLTAGE RECTIFIER, CG- 23AAH RELAY CONTROL PANEL, CG-46AAG RADIC RECEIVER, CG-50AAO. MODULATOR UNIT AND CG-52AAP RADIO TRANSMITTER. INPUT: 115 VOLTS, 60 CYCLES. (ENG-140) 1/27/42 T-28J418 APR. 44</p>		
<p>CG-43AAE B1 TRANSMITTER-RECEIVER UNIT: PANEL ASSEMBLY CONSISTING OF: CG-52AAJ TRANSMITTER, CG-46AAG RECEIVER, CG-23AAH RELAY PANEL, CG-35AAE MODULATOR UNIT, CG- 20AAH HIGH VOLTAGE RECT., CG-20AAJ LOW VOLTAGE RECT. 8/25/41 APR. 44</p>			<p>CRP-43AAK SG RADAR TRANSMITTER RECEIVER ASSEMBLY: CONSISTS OF CRP-20ADM RECTIFIER POWER UNIT FOR MODULATION GENERATOR CRP-20ABN RECTIFIER POWER UNIT FOR RADAR RECEIVER, CRP-35AAH MODULATION GENERATOR, CRP-46ABD RADAR RECEIVER, CRP-52ABE RADAR TRANSMIT- TER, AND CRP-60AAN SIGNAL MONITOR. 3/16/42 WX-3895 DXG-74-5039 APR. 44 SUB0</p>			<p>CPR-43AAN ABD-2 AIRCRAFT RADIO RECEIVER (& TRANSMITTER) INCLUDES POWER UNIT, THE INPUT AND OUTPUT OF WHICH IS 12 TO 14 VOLTS, 5.0 AMPS AND 10 VOLTS RESPECTIVELY. SAME AS TYPE 43ABJ EXCEPT FOR FREQUENCY AND POWER. 3/24/42 CPR:5L0-122 APR. 44 REV0</p>		
<p>CW-43AAF FH,SH,FJ,SE RADAR TRANSMITTER-RECEIVER: INPUT: 115VAC/1/57.5 AT 2.7AMPS AND 115/300/450/1000V DC AT 5/11/.02/.11 AMPS. THIS UNIT CONSISTS OF A MAGNETRON PULSE GENERATOR TR BOX RECEIVER CONVERTER BEATING OSCILLATOR AND FIRST IF STAGE. SUPPLIES PEAK POWER OUTPUT OF 20 KW IN 12/15/41 DIS0313 ESX-748094 APR. 44 ISSUE 1</p>			<p>CRP-43AAK INPUT: 115/1/60/ AT 20.0 AMPS, 2000 WATTS AND 87% PF. TRANSMITTER RECEIVER UTILIZES 1350 WATTS AND 12.5 AMPS. 10/30/42 APR. 44</p>			<p>CPR-43AAN-1 ABD-2 AIRCRAFT RADIO RECEIVER: INCLUDES POWER UNIT WITH INPUT OF 12 TO 14 VOLTS, 5.0 AMPS AND OUTPUT OF 10 VOLTS SAME AS -43AAN EXCEPT FOR SUBSTI- TUTION OF A VARIABLE FOR A FIXED RESIS- TOR. 12/17/42 APR. 44</p>		
<p>CW-43AAF-1 MARK 8,SE,SJ,SH, MK 16 RADAR TRANSMITTER-RECEIVER: INPUT: 115V AC/1/57.5 AT 2.7 AMPS AND 115/300/450/1000V DC AT 5/11/.02/.11 AMPS. THIS UNIT CONSISTS OF A MAGNETRON PULSE GENERATOR, TR BOX, RECEIVER CON- VERTER BEATING OSCILLATOR AND FIRST IF 12/22/42 DIS0960 BX-12199 APR. 44 ISS 1</p>			<p>CPR-43AAK-1 SG RADAR TRANSMITTER-RECEIVER ASSEMBLY: SAME AS BASIC NUMBER EXCEPT INCLUDES -46ABD-1 RADAR RECEIVER. 7/6/43 APR. 44</p>			<p>CPR-43AAO ABD-3 AIRCRAFT RADIO RECEIVER (& TRANSMITTER) INCLUDES POWER UNIT, THE INPUT AND OUTPUT OF WHICH IS 24 TO 28 VOLTS, 2.5 AMPS AND 10 VOLTS RESPECTIVELY. SAME AS TYPE 43- AAM EXCEPT FOR POWER REQUIREMENTS. 3/24/42 CPR: 5L0-122 APR. 44 REV 0</p>		
<p>CW-43AAF-1 MARK 8,SE,SJ,SH, MK 16 RADAR TRANSMITTER-RECEIVER: INPUT: 115V AC/1/57.5 AT 2.7 AMPS AND 115/300/450/1000V DC AT 5/11/.02/.11 AMPS. THIS UNIT CONSISTS OF A MAGNETRON PULSE GENERATOR, TR BOX, RECEIVER CON- VERTER BEATING OSCILLATOR AND FIRST IF 12/22/42 DIS0960 BX-12199 APR. 44 ISS 1</p>			<p>CRP-43AAK-2 SG-a RADAR TRANSMITTER-RECEIVER ASSEMBLY: CONSISTS OF A CRP-43AAK OR CRP-43AAK-1 CONVERTED IN THE FIELD TO BE SAME AS CRP-43AAK-3. 7/6/43 APR. 44</p>			<p>CPR-43AAO-1 ABD-3 AIRCRAFT RADIO RECEIVER: INCLUDES POWER UNIT WITH INPUT OF 24 TO 28 VOLTS, 2.5 AMPS AND OUTPUT OF 10 VOLTS, SAME AS -43AAO EXCEPT FOR SUBSTITUTION OF A VARIABLE FOR A FIXED RESISTOR. 12/17/42 APR. 44</p>		

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5.43-2

Class 43—Transmitter-receiver Units

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
CPR-43AAP ABE	3/24/42 APR. 44	CPR:5L0-122 REV 0	CW-43AAB SE	4/16/42 APR. 44	D150595	CPR-43ABB ASG	7/31/42 APR. 44	5L0-147
AIRCRAFT RADIO RECEIVER (& TRANSMITTER): INCLUDES POWER UNIT, THE INPUT AND OUTPUT OF WHICH IS 12 TO 14 VOLTS, 5.0 AMPS AND 10 VOLTS RESPECTIVELY. SAME AS TYPE 45AA0 EXCEPT FOR FREQ. AND POWER.			RADAR TRANSMITTER-RECEIVER: 440/3/60.			AIRCRAFT RADAR TRANSMITTER ANTENNA & CONVERTER: PEAK POWER OUTPUT: 50KW MINIMUM. SEARCH/BEACON: 1/2 MICROSECOND PULSE; 800/400 CYCLES PER SECOND REPETITION RATE CONVERTER OUTPUT: 30MC. CONSISTS OF TYPE CPR-10ABB MOUNTING BASE		
CPR-43AAQ ABE-1	3/24/42 APR. 44	CPR:5L0-122 REV 0	CW-43AAV YH	5/1/42 APR. 44		CPR-43ABB		
AIRCRAFT RADIO RECEIVER (& TRANSMITTER): INCLUDES POWER UNIT THE INPUT AND OUTPUT OF WHICH IS 24 TO 28 VOLTS, 2.5 AMPS AND 10 VOLTS RESPECTIVELY. SAME AS TYPE 45AA0 EXCEPT FOR POWER REQUIREMENTS.			RADIO RECEIVER: OPERATES FROM 115 VOLTS, SINGLE PHASE 60 CYCLES, 138 POUNDS.			TYPE CPR-14AAH ANTENNA SWITCHING UNIT, TYPE CPR-46ABU RF TO IF CONVERTER, TYPE CPR-52ABM AIRCRAFT RADAR TRANSMITTER, TYPE CPR-62AAZ JUNCTIONBOX, TYPE CPR-66ACZ ANTENNA ASSEMBLY.		
CPR-43AAQ-1 ABE-2	12/17/42 APR. 44	5L0-122 REV A	CW-43AAV-1 YH-1	7/31/42 APR. 44		CPR-43ABC ASG-1	8/13/42 APR. 44	347-1002
AIRCRAFT RADIO RECEIVER: INCLUDES POWER UNIT TO INPUT AND OUTPUT OF WHICH IS 24 TO 28 VOLTS, 2.5 AMPS AND 10 VOLTS RESPECTIVELY. SAME AS -43AAQ EXCEPT FOR SUBSTITUTION OF A VARIABLE FOR A FIXED RESISTOR.			RADIO RECEIVER (RACON TRANSDUCER): (PRESET AT 176 MC).			AIRCRAFT RADAR TRANSMITTER CONVERTER ASSEMBLY: PEAK POWER OUTPUT: 50KW MINIMUM. SEARCH/BEACON: 1/2 MICROSECONDS PULSE; 800/400 CYCLES PER SECOND REPETITION RATE. CONVERTER OUTPUT: 30 MC CONSISTS OF TYPE CPR-10ABC MOUNTING BASE		
CW-43AAR SE	4/11/42 APR. 44	(CW)ESXX-682565 SUB 3	CG-43AAM CXBR	5/5/42 APR. 44	DL 4W134A W-19J599 REV 1	CPR-43ABC		
RADAR-TRANSMITTER RECEIVER: INPUT: 115VAC/1/57.5 AT 2.7 AMPS AND 32/300/450/1000 VDC AT 1.8/.11/.02/.11 AMPS. THIS UNIT CONSISTS OF MAGNETRON PULSE GENERATOR, TR BOX, RECEIVER CONVERTER, BEATING OSCILLATOR AND FIRST IF STAGE. SUPPLIES PEAK POWER OUTPUT OF 20			RADAR TRANSMITTER-RECEIVER: 500 TO 1000 WATTS PEAK, 1 MICROSECOND PULSES RECURRING AT APPROX. 2000 C-P.S. TRANSMITTER OSCILLATOR AND RECEIVER CONVERTER LOCATED ON BACK OF ANTENNA ASSEMBLY.			TYPE CPR-14AAJ ANTENNA SWITCHING UNIT TYPE CPR-46ABU RF TO IF CONVERTER, TYPE CPR-52ABN AIRCRAFT RADAR TRANSMITTER, TYPE CPR-62ABB JUNCTION BOX.		
CW-43AAR	5/26/42 APR. 44	CWS/CCT/CZR	-43AAX ABK	5/26/42 APR. 44	CWS/CCT/CZR	CG-43ABD BA	8/17/42 APR. 44	DL4W61A SK-5702080-51 SK-5702080-52
RADIO RECEIVER (TRANSPONDER): SUPER-REGENERATIVE. OPERATES FROM 12 VOLTS DC. INCLUDES BUILT-IN DYNAMOTOR TAKING 10 AMPS.						RADIO RECEIVER-TRANSMITTER ASSEMBLY: INCLUDES TYPE CG-10ABD WATERPROOF HOUSING AND TYPE CG-43AAG RADIO RECEIVER-TRANSMITTER. EQUIPMENT SUPPLY: 115/1/60.		
CW-43AAS MARK 10	4/13/42 APR. 44	D150475	CW-43AAY ABK-1	5/26/42 APR. 44	CWS/CCT/CZR	CAY-43ABE CXBO	10/7/42 APR. 44	LL T-7609435 SUB 0
RADAR TRANSMITTER & ANTENNA ASSEMBLY: ALSO INCLUDES RECEIVER CONVERTER D150477, MODULATION TRANSFORMER D150486 (CW-53093), ANT. DIPOLE & HOUSING D150534 ANTENNA REFLECTOR.			AIRCRAFT RADIO RECEIVER (TRANSPONDER): SUPER-REGENERATIVE. OPERATES FROM 24 VOLTS DC. INCLUDES BUILT-IN DYNAMOTOR TAKING 5 AMPS.			RADAR TRANSMITTER-RECEIVER ASSEMBLY: REPETITION RATE 900 CPS; LENGTH OF PULSE 1 MICROSECOND; PEAK OUTPUT 10KW. INCLUDES: (1) 9" PPI OF 25000-50,000 YARDS RANGES. (2) 5" RANGE INDICATOR HAVING MINIMUM RANGE OF 500 YARDS, MAXIMUM RANGE 50,000		
CW-43AAT SE	4/16/42 APR. 44	D150594 (CW)ESXX-682565 SUB 3	CW-43AAZ ASC	6/6/42 APR. 44	D150579 ESX-749474 ISSUE 2	CAT-43ABE		
RADAR TRANSMITTER-RECEIVER: INPUT: 115VAC/1/57.5 AT 2.7 AMPS AND 230/300/450/1000 VDC AT 2.5/.11/.02/.11 AMPS. THIS UNIT CONSISTS OF A MAGNETRON PULSE GENERATOR TR BOX RECEIVER CONVERTER BEATING OSCILLATOR AND FIRST IF STAGE. SUPPLIES PEAK POWER OF 20 KW IN 1/4			AIRCRAFT RADAR TRANSMITTER-RECEIVER: CONSISTS OF CW-10AAT PRESSURE TANK, CW-20ABS HIGH VOLTAGE RECTIFIER, CW-46ABL RF TO IF CONVERTER, CW-52ABJ, AIRBORNE RADAR TRANSMITTER.			YDS. ACCURACY 50 YOS. (3) RECEIVER-BEARING INDICATOR OF SYNCHRO TYPE WHICH GIVES ANTENNA BEARING ON A CYLINDRICAL DIAL AND RANGE COUNTER OF VEEDER TYPE. (4) TRANSMITTER UNIT INCLUDING RECTIFIERS AND OPERATION CONTROLS. INPUT: 115 VOLTS, 15 AMPS, 1755 WATTS.		
CW-43AAT	7/13/42 APR. 44		CRY-43ABA MARK 6 RADAR			CBN43ABF SF		
MICROSECOND PULSES AT RATES OF 580 TO 630 AND 1520 TO 1640 PULSES PER SECOND.			RADAR TRANSMITTER -RECEIVER ASSEMBLY: CONSISTS OF TYPE CRV-52ABK RADAR TRANSMITTER, TYPE CRV-46ABN RADAR RECEIVER AND TYPE CRV-60AAT MONITOR UNIT FOR TRANSMITTER AND RECEIVER ASSEMBLY.			RADAR TRANSMITTER-CONVERTER GENERATES 1 MICROSECOND PULSES OF 11KV AT 15 AMP FOR OPERATING OUTPUT TUBE AT FREQUENCY OF ABOUT 400 CPS. OUTPUT: 20 TO 60 KW AVERAGE OVER A PULSE. ALSO INCLUDES RECEIVER LOCAL OSCILLATOR, FIRST DETECTOR AND TWO STAGES OF 30 MC IF.		

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 43—Transmitter-receiver Units

5.43-3

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
POWER INPUT 115/1400, 350 WATTS, 3.21 AMPS AND 115 VDC 5.21 AMPS OUTPUT 75 WATTS. UNIT SHOCK-MOUNTED BY FOUR MOUNTING FEET.		CBM-43ABF	ACTS AS 1/2 WAVE LENGTH VERTICALLY POLARIZED ANTENNA. INTERNAL BATTERY POWER SUPPLY. SAME AS BASIC NUMBER EXCEPT FOR TUBE LINE UP AND SLIGHT DESIGN CHANGES; MECHANICALLY AND ELECTRICALLY INTERCHANGEABLE AS A UNIT. WEIGHT 5.5#		CIL-43ABJ-1	CPR-43ABP ASG-3 AIRCRAFT RADAR TRANSMITTER-CONVERTER; CONSISTS OF: CPR-10ACJ MOUNTING BASE FOR TRANSMITTER-CONVERTER CPR-14AAP ANTENNA SWITCHING UNIT AND CONVERTER, CPR-35AAN OSCILLATOR, CPR-52ABN-1 AIRCRAFT RADAR TRANSMITTER, AND A CPR-62ABE JUNCTION BOX 1/23/43 APR. 44		
CM-43ABC MARK 10, MOD 2.3 RADAR TRANSMITTER AND ANTENNA ASSEMBLY; ALSO INCLUDES ELECTRONIC CONVERTER MODULATOR NETWORK, ANTENNA DIPOLE AND HOUSING AND ANTENNA REFLECTOR. SAME AS CM-43AAS EXCEPT EQUIPPED WITH A NEW ANTENNA ASSEMBLY, INCLUDING A 45" DIAMETER 10/23/42 D-150852 ES-689698 APR. 44		ISSUE 1	CRP-43ABK CX BX RADAR TRANSMITTER-RECEIVER INCLUDES TYPE CRP-46ACA RADAR RECEIVER.	11/10/42 JAN. 45	WX-4803A M-3830-W219 SUB C	1/28/43 APR. 44	9218	SK-5359 ALT 2
CM-43ABG PARABOLIC REFLECTOR. SAME AS CM-43ABH EXCEPT USES ELECTRIC CONVERTER. (SEE ALSO CM-43ABZ).		CM-43ABG MARK 10, MOD 4.5 RADAR TRANSMITTER AND ANTENNA ASSEMBLY; ALSO INCLUDES CRYSTAL CONVERTER, MODULATOR NETWORK, ANTENNA DIPOLE AND HOUSING, AND ANTENNA REFLECTOR. SAME AS CM-43AAS EXCEPT EQUIPPED WITH A NEW ANTENNA ASSEMBLY INCLUDING A 45" DIAMETER PARABOLIC 10/23/42 D-150853 ES-689698 APR. 44	CRP-43ABK-1 SO-2 RADAR TRANSMITTER-RECEIVER; SAME AS TYPE-43ABK EXCEPT INCLUDES TYPE -46ACA-1 RADAR RECEIVER IN WHICH IS SHIELDED.	7/2/43 APR. 44	WX-5230 M-3830-W219 SUB C	CM-43ABR X-YJ ONLY RADIO RECEIVER; TRANSPONDER, SIMILAR TO -43AAV-1 EXCEPT OPERATES ON TWO FREQUENCIES RECEIVING ON A TIME SHARING BASIS, OPERATES FROM 115 OR 230 VOLTS, 1 ϕ , 50 TO 60 CYCLES. (FOR THE YJ EQUIPMENT THIS UNIT WAS BROKEN DOWN INTO A RECTIFIER POWER UNIT CMD-2/7/43 APR. 44		
CM-43ABM REFLECTOR AND USES CRYSTAL CONVERTER INSTEAD OF AN ELECTRONIC CONVERTER. SAME AS CM-43ABG EXCEPT USES CRYSTAL DETECTOR.		CM-43ABM MARK 10, MOD 4.5 RADAR TRANSMITTER AND ANTENNA ASSEMBLY; ALSO INCLUDES CRYSTAL CONVERTER, MODULATOR NETWORK, ANTENNA DIPOLE AND HOUSING, AND ANTENNA REFLECTOR. SAME AS CM-43AAS EXCEPT EQUIPPED WITH A NEW ANTENNA ASSEMBLY INCLUDING A 45" DIAMETER PARABOLIC 10/23/42 D-150853 ES-689698 APR. 44	CPR-43ABL ABF AIRCRAFT RADIO RECEIVER; SUPER REGENERATIVE, OPERATES FROM 12 VOLTS DC. INCLUDES BUILT-IN DYNAMOTOR.	1/11/43 APR. 44		CMD-43ABR 20ACH AND ASSOCIATED RF UNIT CMD-43ABW AND CMD-43ABX ONE OF EACH OR TWO OF EITHER ONE).		
CIL-43ABJ AIRCRAFT RADAR TRANSMITTER-RECEIVER; 5 WATTS PEAK OUTPUT, PULSE EMISSION. (PULSE REPEATER) PULSE DURATION 5 MICRO-SEC., PULSE REPETITION 30 TO 3000 CYCLES/SEC., APPROX. INCLUDES HORIZONTALLY POLARIZED ANTENNA AND EQUIPMENT CASE 10/29/42 M-1 (CIL)ML-43214-2A APR. 44		ISSUE 1	CPR-43ABM ABF-1 AIRCRAFT RADIO RECEIVER; SUPER REGENERATIVE, OPERATES FROM 24 VOLTS DC. INCLUDES BUILT-IN DYNAMOTOR.	1/11/43 APR. 44		CM-43ABS WK 19 RADAR TRANSMITTER AND ANTENNA; INCLUDES A TYPE CM-50ACD OSCILLATOR-AMPLIFIER AND A TYPE CM-50ACE MODULATION AMPLIFIER IN A HOUSING ON WHICH MOUNT THE ANTENNA AND ANTENNA REFLECTOR. SIMILAR TO -43AAL EXCEPT (1) LARGER (MECHANICALLY INTERCHANGEABLE WITH MK11 UNITS). (2) IF 3/5/43 D-151341 80-11187 APR. 44		
CIL-43ABJ-1 AIRCRAFT RADAR TRANSMITTER-RECEIVER; 5 WATTS PEAK OUTPUT, PULSE EMISSION. (PULSE REPEATER) PULSE DURATION 5 MICRO-SECS. PULSE REPETITION 30 TO 3000 CYCLES/SEC., APPROX. INCLUDES HORIZONTALLY POLARIZED ANTENNA AND EQUIPMENT CASE 11/23/42 M-2 APR. 44		CM-43ABN SL RADAR TRANSMITTER-CONVERTER; SAME AS -43ABN EXCEPT FOR MINOR WIRING CHANGES ON THE TERMINAL STRIPS. 12/8/43 APR. 45	CM-43ABN SL RADAR TRANSMITTER-CONVERTER; SAME AS -43ABN EXCEPT FOR MINOR WIRING CHANGES ON THE TERMINAL STRIPS. 12/8/43 APR. 45	1/13/43 APR. 44	D-150608 ESR-694004 ISSUE 3	CM-43ABS IS 50 OHMS INSTEAD OF 70 OHMS, (3) CRYSTAL INLIEU OF VACUUM TUBE CONVERTER AND (4) OTHER MINOR CHANGES.		
CIL-43ABJ-1 AIRCRAFT RADAR TRANSMITTER-RECEIVER; 5 WATTS PEAK OUTPUT, PULSE EMISSION. (PULSE REPEATER) PULSE DURATION 5 MICRO-SECS. PULSE REPETITION 30 TO 3000 CYCLES/SEC., APPROX. INCLUDES HORIZONTALLY POLARIZED ANTENNA AND EQUIPMENT CASE 11/23/42 M-2 APR. 44		CM-43ABN-1 SL-1 RADAR TRANSMITTER-CONVERTER; SAME AS -43ABN EXCEPT FOR MINOR WIRING CHANGES ON THE TERMINAL STRIPS. 12/8/43 APR. 45	CM-43ABO SF-1 RADAR TRANSMITTER-CONVERTER; SAME AS TYPE -43ABF EXCEPT THAT THE RF LINE LEAVES THE UNIT THROUGH THE BOTTOM OF THE CASE INSTEAD OF THE SIDE. 1/16/43 APR. 44	CM-43ABT SF RADAR TRANSMITTER-CONVERTER; GENERATES 1 MICROSECOND PULSES OF 11 KV AT 15 AMPS FOR OPERATING OUTPUT TUBE AT FREQUENCY OF ABOUT 400 CPS. OUTPUT, 20 TO 60 KW AVERAGE OVER A PULSE. ALSO INCLUDES RECEIVER LOCAL OSCILLATOR FIRST DETECTOR AND 2 STAGES OF 30 MC IF POWER 3/15/43 APR. 44	921C SK-5611	CM-43ABT INPUT 115/1400, 350 WATTS 3.21 AMPS AND 115 VDC, 3.2 AMPS 75 WATTS. SHOCK-MOUNTED, SIMILAR TO TYPE -43ABQ EXCEPT FOR TUBE CHANGES AND BASE AND COVER ALTERED.		
		ML-43-213-2A ISSUE A-1-25-45	CM-43ABO SF-1 RADAR TRANSMITTER-CONVERTER; SAME AS TYPE -43ABF EXCEPT THAT THE RF LINE LEAVES THE UNIT THROUGH THE BOTTOM OF THE CASE INSTEAD OF THE SIDE. 1/16/43 APR. 44	CM-43ABO SF-1 RADAR TRANSMITTER-CONVERTER; SAME AS TYPE -43ABF EXCEPT THAT THE RF LINE LEAVES THE UNIT THROUGH THE BOTTOM OF THE CASE INSTEAD OF THE SIDE. 1/16/43 APR. 44	CM-43ABO SF-1 RADAR TRANSMITTER-CONVERTER; SAME AS TYPE -43ABF EXCEPT THAT THE RF LINE LEAVES THE UNIT THROUGH THE BOTTOM OF THE CASE INSTEAD OF THE SIDE. 1/16/43 APR. 44	CM-43ABO SF-1 RADAR TRANSMITTER-CONVERTER; SAME AS TYPE -43ABF EXCEPT THAT THE RF LINE LEAVES THE UNIT THROUGH THE BOTTOM OF THE CASE INSTEAD OF THE SIDE. 1/16/43 APR. 44		

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Class 43—Transmitter-receiver Units

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
CW-43ABU MK 12 RADAR TRANSMITTER-RECEIVER ASSEMBLY: INCLUDES ONE TYPE -46ACO CONVERTER AND ONE TYPE -60ABV TEST UNIT. SEE TM FILES.	5/31/43 APR. 44	D-150920 BR-11280 ISSUE 1	CMD-43ABW-2 -20ACH-2. HAS ADDITIONAL 6SN7GT TUBE.			CW-43ACA BOTH SIDES INSTEAD OF ONLY ONE.		
CW-43ABU-1 MK-12, MOD 1 RADAR TRANSMITTER-RECEIVER ASSEMBLY: SAME AS -43ABU EXCEPT INCLUDES A TYPE -46AED INSTEAD OF A TYPE -46ACO RF TO IF CONVERTER.	4/23/45 JUN. 45		CMD-43ABX YJ RF UNIT: RANGE "B" UNIT. TRANSPONDER.	5/10/43 APR. 44		CFN-43ACB 6N MODULATOR & I.F. TO VIDEO CONVERTER: BUILT-IN RECTIFIER POWER SUPPLY. INPUT: 105 TO 125V, SINGLE PHASE, 50 TO 425 CYCLES (AT & 115/1/60 INPUT IS APPROX 21 WATTS). INCLUDES (1) I.F. AND VIDEO AMPLIFIER STAGES (2) KEYS AND MODULATOR 7/26/43 300271G-1 300755 APR. 44		
CG-43ABV SQ RADAR TRANSMITTER-RECEIVER: INPUT: 115/1/60 AT 2.95 AMP 320 WATTS (LESS MOTOR). OUTPUT: 0.5 TO 1.0 KW. INCLUDES: RECEIVER, TRANSMITTER, INDICATOR AND POWER SUPPLY. THREE RANGES OF 3, 15, 45 MILES ARE AVAILABLE WITH A, B, AND PPI PRESENTATIONS. 4/29/43 ASLE PLATE 2 W-19J780 APR. 44 REV 1			CMD-43ABX-1 YJ-1 RF UNIT: RANGE "B" UNIT. TRANSPONDER. SAME AS CMD-43ABX EXCEPT FOR MINOR CHANGE IN DESIGN TO PERFORM EXTRA FUNCTION. MAY BE USED IN PLACE OF A CMD-43ABX. TWO RESISTORS, AND A STAND-OFF INSULATOR HAVE BEEN ADDED TO SUPPRESS SQUITTER IN CASE OF AGS FAILURE. 9/15/43 APR. 44			CFN-43ACB CIRCUITS(3) RECEIVER GATING CIRCUITS (4) RECEIVING TUNING INDICATOR (5) INTERLOCK (6) VENTILLATION FAN. SUPPLIES POWER TO NAVY TYPES CFN-52ACQ AND CFN-46ACW. HAS VIDEO OUTPUT FOR VISUAL INDICATOR. INPUT IMPEDANCE IS 75 OHMS. OUTPUT IMPEDANCE 50 OHMS.		
CG-43ABV DL4W262A, DL4W263A, DL4W264A, DL4W265A.			CMD-43ABX-2 YJ-2 RF UNIT RANGE "B" UNIT. TRANSPONDER. MECHANICALLY & ELECTRICALLY INTERCHANGEABLE WITH -43ABX & -43ABX-1 WHEN WIRE JUMPER IS ADDED INTERNALLY EXCEPT PROVIDES EXTRA CIRCUITS FOR EXTERNAL SUPPRESSION OF TRANSMITTER & RECEIVER RADIATION WHEN 8/8/44 CHZ:SA-7583 DEC. 44			CBM-43ACC SF-1 RADAR TRANSMITTER CONVERTER: INPUT: 115/1/400, 350 WATTS, 3.21 AMPS AND 115V DC, 3.21 AMPS, 75 WATTS. OUTPUT 20 TO 60 KW AVERAGE OVER A PULSE. SIMILAR TO TYPE -43ABT EXCEPT HAS ADDITIONAL TERMINAL AND A CHANGE IN TERMINAL BOARD WIRING WHICH PERMITS APPLICATION OF THIS 8/5/43 921D SK-5611 APR. 44 ALT 0		
CMD-43ABW YJ RF UNIT: RANGE "A" UNIT. TRANSPONDER.	5/10/43 APR. 44		CMD-43ABX-2 USED WITH RECTIFIER POWER UNIT -20ACH-2. 6 SK7 QUENCH OSCILLATOR IS REPLACED WITH 6 SN7GT.			CBM-43ACC UNIT FOR EITHER AC OR DC SUPPLY:		
CMD-43ABW-1 YJ-1 RF UNIT: RANGE "A" UNIT. TRANSPONDER. SAME AS CMD-43ABW EXCEPT FOR MINOR CHANGE IN DESIGN TO PERFORM EXTRA FUNCTION. MAY BE USED IN PLACE OF A CMD-43ABW. TWO RESISTORS ADDED AND A STAND-OFF INSULATOR TO SUPPRESS SQUITTER IN CASE OF AGS 9/15/43 APR. 44			CRP CACU-43ABY SO-1 RADAR TRANSMITTER-RECEIVER: INCLUDES ONE TYPE -46ACA-1 RECEIVER. SAME AS TYPE -43ABK EXCEPT INCLUDES DIFFERENT BLOWER MOTOR AND SOLENOID ASSEMBLY WHICH ARE DESIGNED TO OPERATE FROM 115V DC INSTEAD OF 24V DC. 6/28/43 WX-4833 M-5830-W219 APR. 44 SUB C			CRP-43ACD SO-3 RADAR TRANSMITTER-RECEIVER: DESIGNED FOR X BAND OPERATION WAVE GUIDE OUTPUT IS OUT THE BOTTOM THROUGH A SOLID MECHANICAL CONNECTION. BATTLE PHONE CONNECTION IS INCLUDED IN BASE. INCLUDES A TYPE CRP-46ADA RADAR RECEIVER. INCLUDES ACCESS DOOR FOR TUNING PURPOSES. 9/13/43 WX-4810 M-5817-V96 APR. 44 SUB D		
CMD-43ABW-1 FAILURE.			CW-43ABZ MK 18 RADAR TRANSMITTER AND ANTENNA ASSEMBLY: MECHANICALLY INTERCHANGEABLE WITH CW-43ABG, BUT ELECTRICALLY HAS ONLY ONE BAND INSTEAD OF THREE. *ESXX-697795, ISSUE 6, BR-12884 5/28/43 D-151669 *SEE ABOVE APR. 44			CQJ-43ACE BR RADIO TRANSMITTER-RECEIVER: OPERATING VOLTAGE: 12 VOLTS DC. MAIN CONTROL OF THIS UNIT IS EXERCISED BY CQJ-23AEA CONTROL UNIT. UNIT CONSISTS OF TRANSMITTER-RECEIVER AND ITS DYNAMOTOR PLATE VOLTAGE SUPPLY WHICH IS 480 VOLTS DC @ .042 AMPS. UNIT SWEEPS CONTINUOUSLY 9/28/43 3381 DEC. 44		
CMD-43ABW-2 YJ-2 RF UNIT RANGE "A" UNIT TRANSPONDER. MECHANICALLY AND ELECTRICALLY INTERCHANGEABLE WITH TYPE 43ABW AND 43ABW-1 EXCEPT PROVIDES EXTRA CIRCUITS FOR EXTERNAL SUPPRESSION OF BOTH TRANSMITTER AND RECEIVER RADIATION WHEN USED WITH RECTIFIER UNIT 5/8/44 (CHZ)SA-7582 OCT. 44			CW-43ACA MK-18, MOD-1 RADAR TRANSMITTER AND ANTENNA ASSEMBLY: ALSO INCLUDES CRYSTAL CONVERTER MODULATOR NETWORK, ANTENNA DIPOLE AND HOUSING, AND ANTENNA REFLECTOR. SAME AS -43ABH EXCEPT (1) HAS TWO ADDITIONAL FILAMENT LEADS (2) HAS ELEVATION TORQUE PIN ON 7/24/43 D-151785 APR. 44			CQJ-43ACE A BAND WIDTH OF 46 MC. NAMELY FROM 677 TO 723 MC, ONCE EVERY 3 SECONDS. OUTPUT IMPEDANCE IS 50 OHMS COAXIAL. THE RATED INPUT CURRENT IS 5 AMPS.		

Class 43—Transmitter-receiver Units

5.43-5

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
CQJ-43ACF BR-1 RADIO TRANSMITTER-RECEIVER CANCELLED 9/28/43 JAN. 45			CW-43ACK-1 HOLES SHIFTED 2" TO BRING TRUNION CENTER LINE IN LINE WITH CENTER OF GRAVITY. INTERCHANGEABLE WITH -43ACK THRU EXISTANT TRUNION BRACKET.			CW-43ACQ MARK 13 RADAR TRANSMITTER-RECEIVER; CONSISTS OF A MAGNETRON OSCILLATOR WITH ASSOCIATED MODULATION AMPLIFIER, NON-LINEAR COIL PULSING SYSTEMS, CRYSTAL CONVERTER AND OSCILLATOR-AMPLIFIER. SIMILAR TO -43AAF-1 EXCEPT OPERATES IN A HIGHER FREQUENCY BAND AND USES WAVEGUIDE FOR RF 4/11/44 D-151693 APR. 44		
CW-43ACG MARK 20 RADAR TRANSMITTER-RECEIVER: SUPPLY: +500V.D.C. AND 115/1/400. CONSISTS OF A TRANSMITTER SECTION, A RECEIVER SECTION, A TRANSMITTER-RECEIVER BOX, AND A MOTOR-BLOWER UNIT FOR COOLING THE MAGNETRON. 11/2/43 X-66189-E APR. 44		ESL-662707 ISSUE 1	CBM-43ACL SU,SU-1 TRANSMITTER-RECEIVER; GENERATES 1 MICROSEC. PULSES AT REPETITION FREQUENCY OF ABOUT 600 CPS., OUTPUT IS 20 KW AVERAGE OVER A PULSE. ALSO INCLUDES LOCAL OSCILLATOR, DETECTORS, 30 MC I.F. AMPLIFIER AND AFC CIRCUIT. DELIVERS 1 VOLT LIMITED VIDEO SIGNALS TO 1/6/44 973 APR. 44			CBM-43ACL NAVY TYPE -55AEY OR -55AEZ. RECEIVER COMPLETELY INTERCHANGEABLE WITH SO-3 RECEIVER EXCEPT FOR BLOWER MOTOR. INPUT 115/1/60, 1.5 AMPS, 0.85 PF AND 1 MICRO-SECONDS PULSE ON 5050 LINE. SHOCK MOUNTED 12/7/43 WX-5242 APR. 44		M-34B-W27 SUB A
CRP-43ACH SO-11 RADAR TRANSMITTER-RECEIVER: INCLUDES A CRP-46ADD. 12/7/43 WX-5242 APR. 44			CBM-43ACL NAVY TYPE -55AEY OR -55AEZ. RECEIVER COMPLETELY INTERCHANGEABLE WITH SO-3 RECEIVER EXCEPT FOR BLOWER MOTOR. INPUT 115/1/60, 1.5 AMPS, 0.85 PF AND 1 MICRO-SECONDS PULSE ON 5050 LINE. SHOCK MOUNTED 12/7/43 WX-5242 APR. 44			CW-43ACR MK 19 MOD 3 RADAR TRANSMITTER AND ANTENNA INCLUDES AN OSCILLATOR-AMPLIFIER AND A MODULATION AMPLIFIER IN A CAST ALUMINUM HOUSING ON WHICH MOUNT THE TRANSMITTER AND ANTENNA REFLECTOR. SIMILAR TO CW-43ABS EXCEPT (1) ALUMINUM INSTEAD OF STEEL HOUSING (2) TRANSMITTER 6/7/44 D-152225 OCT. 44		BO-17773 ISSUE 1
CRP-43ACH-1 SO-11 RADAR TRANSMITTER-RECEIVER SAME AS -43ACH EXCEPT INCLUDES -46AEF INSTEAD OF -46ADD RADAR RECEIVER. 5/16/45 WX-5242A JUN. 45			CAY-43ACM SR TRANSCIEVER CONSOLE: CONSISTS OF A TRANSMITTER-OSCILLATOR, AND TYPE -55AFD MONITOR SCOPE, -46ADK MONITOR RECEIVER AND -67AAD KEYS. 1/12/44 APR. 44		T-761T218 SUB 9	CW-43ACR IS PROVIDED WITH SCREW ADJUSTMENTS IN TRAIN AND ELEVATION FOR ALIGNING WITH OPTICAL EQUIPMENT ON DIRECTOR (3) OSCILLATOR AMPLIFIER IN HOUSED IN NEW BOX ASSEMBLY WITH NEW SHOCK MOUNT ARRANGEMENT. (4) SIMPLIFIED MODULATION AMPLIFIER (5) DPST SWITCHES IS PROVIDED TO REMOVE HIGH VOLTAGE FROM TRANSMITTER WHEN SERVICING. CRP-43ACS MARK 33 RADAR TRANSMITTER-RECEIVER DESIGNED FOR "X" BAND OPERATION WAVEGUIDE OUTPUT IS OUT THE BOTTOM THROUGH A SOLID MECHANICAL CONNECTION. BATTLE-PHONE CONNECTION IS INCLUDED IN BASE. INCLUDES A TYPE -46ADP RADAR RECEIVER. SAME AS -43ACD EXCEPT USES 120/1/60 BLOWER MOTOR 3/22/44 RX-1095 APR. 44		M-98B-V7 SUB A
CW-43ACJ MARK 22 TRANSMITTER-RECEIVER UNIT: INPUT: 115/1/400 FROM -23AED CONTROL PANEL, 24 VDC 0.9 AMPS FROM -55AEN INDICATOR CIRCUIT UNIT, HV PULSE POWER FROM -50ADS MODULATOR -1000 VDC FROM -20ACL HV RECTIFIER AND +300 VDC FROM -20ACK REGULATED RECTIFIER. CONTAINS MAGNETRON 12/8/43 D-15171D APR. 44		BXX-14503 ISSUE 1	CRP-43ACH SO-4 RADAR TRANSMITTER-RECEIVER: DESIGNED FOR X BAND OPERATION, WAVEGUIDE OUTPUT IS OUT THE BOTTOM THROUGH A SOLID MECHANICAL CONNECTION. BATTLE-PHONE CONNECTION IS INCLUDED IN BASE. INCLUDES A TYPE -46ADP RADAR RECEIVER. SAME AS -43ACD EXCEPT USES 120/1/60 BLOWER MOTOR 3/22/44 RX-1095 APR. 44			CRP-43ACS AND EXTERNAL B SUPPLY. GCH-43ACT MK 29 MOD 2 RADAR TRANSMITTER-RECEIVER INPUT: 115/1/60 AND 1/2 MICROSECOND PULSE AT REPETITION RATE OF 1800 CPS ± 10%. SIMILAR TO -43ACL EXCEPT (1) MODULATOR REPETITION RATE CHANGED (2) PULSE DURATION CHANGED FROM 1 TO 1/2 MICROSECOND (3) VIDEO POLARITY INVERTED TO 7/51/44 OCT. 44		
CW-43ACK MARK 28 RADAR TRANSMITTER AND ANTENNA: INCLUDES A TYPE -50ACD OSCILLATOR AMPLIFIER. THE MODULATION AMPLIFIER WHICH WAS REMOVABLE IN PREVIOUS UNIT IS DESIGNATED UNDER THIS TYPE NUMBER, AS A PART OF THE TRANSMITTER PROPER. SIMILAR TO TYPE -43ABS. 1/5/44 D-151951 APR. 44		BXX-14758 ISSUE 1	CRP-43ACH SO-9 I RADAR TRANSMITTER-RECEIVER: INCLUDES -46ACA-1 RADAR RECEIVER. ELECTRICALLY AND MECHANICALLY SAME AS -43ABK-1 EXCEPT SOLENOID HAS A 32 VOLTS DC COIL INSTEAD OF A 24 VOLTS DC COIL. 4/7/44 RX-1189 APR. 44		M-24B1-W3 SUB A	GCH-43ACT CONTROL INDICATOR (4) 120 VOLT AGC ADDED. GCH-43ACT MK 29 MOD 2 RADAR TRANSMITTER-RECEIVER INPUT: 115/1/60 AND 1/2 MICROSECOND PULSE AT REPETITION RATE OF 1800 CPS ± 10%. SIMILAR TO -43ACL EXCEPT (1) MODULATOR REPETITION RATE CHANGED (2) PULSE DURATION CHANGED FROM 1 TO 1/2 MICROSECOND (3) VIDEO POLARITY INVERTED TO 7/51/44 OCT. 44		
CW-43ACK-1 MK 28 MOD 3 RADAR TRANSMITTER AND ANTENNA INCLUDES A TYPE -50ACD OSCILLATOR AMPLIFIER. THE MODULATION AMPLIFIER WHICH WAS REMOVABLE IN PREVIOUS UNIT IS DESIGNATED UNDER THIS TYPE NUMBER AS A PART OF THE TRANSMITTER PROPER. SIMILAR TO -43ACK EXCEPT TRUNION HOLE AND ASSOCIATED MTG 8/26/44 APR. 45		BXX-14758 ISS 6	CRP-43ACH SO-4 RADAR TRANSMITTER-RECEIVER: DESIGNED FOR X BAND OPERATION, WAVEGUIDE OUTPUT IS OUT THE BOTTOM THROUGH A SOLID MECHANICAL CONNECTION. BATTLE-PHONE CONNECTION IS INCLUDED IN BASE. INCLUDES A TYPE -46ADP RADAR RECEIVER. SAME AS -43ACD EXCEPT USES 120/1/60 BLOWER MOTOR 3/22/44 RX-1095 APR. 44			CRP-43ACS AND EXTERNAL B SUPPLY. GCH-43ACT MK 29 MOD 2 RADAR TRANSMITTER-RECEIVER INPUT: 115/1/60 AND 1/2 MICROSECOND PULSE AT REPETITION RATE OF 1800 CPS ± 10%. SIMILAR TO -43ACL EXCEPT (1) MODULATOR REPETITION RATE CHANGED (2) PULSE DURATION CHANGED FROM 1 TO 1/2 MICROSECOND (3) VIDEO POLARITY INVERTED TO 7/51/44 OCT. 44		

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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-43ACU ST
 RADAR-TRANSMITTER-RECEIVER (RADAR TRANSMITTER-RECEIVER MK 1 MOD 0); CONSISTS OF MAGNETRON OSCILLATOR WITH ASSOCIATED MODULATION AMPLIFIER NON-LINEAR COIL PULSING SYSTEMS, CRYSTAL CONVERTER AND OSCILLATOR-AMPLIFIER, SIMILAR TO -43AAF-1 EXCEPT OPERATES ON "X" BAND 8716/44 D-152271 BX-50084 APR. 45 ISSUE 1

CW-43ACU
 AND USES WAVEGUIDE FOR RF INSTEAD OF CO-AXIAL LINE. SIMILAR TO -43ACQ EXCEPT FOR DIFFERENT PULSER BOX AND 3 RESISTORS.

CW-43ACY MK 28, MOD 2
 RADAR TRANSMITTER-RECEIVER INCLUDES TYPE -50ACQ OSCILLATOR AMPLIFIER AND MODULATION AMPLIFIER, SIMILAR TO THE -43ACK EXCEPT (1) ANTENNA, PARABOLA ASSEMBLY, JUNCTION BOX ASSEMBLY SHAFT COUPLING ASSEMBLY, AND CW-21769 MOTOR-GENERATOR SET HAVE BEEN REMOVED; 9/22/44 D-152637 BX-22703 OCT. 44 ISSUE 1

CW-43ACV
 (2) NEW ASSEMBLY PROVIDES COVER PLATE FOR OPENING IN FRONT OF HOUSING, CONNECTOR FOR OUT GOING RF CABLE & A CONNECTOR AND SUPPORT FOR LOWER END OF TR BOX ASSEMBLY (3) TRUNION LOCATING & FASTENING HOLES SHIFTED APPROXIMATELY 2 INCHES Laterally SO THAT THEIR CENTER LINES COINCIDE WITH CENTER OF GRAVITY OF THIS UNIT.

CW-43ACW SV
 RADAR TRANSFORMER RECEIVER CONSISTS OF 2 HIGH VOLTAGE RECTIFIERS, A NON-LINEAR COIL MODULATOR, A TRANSMITTING MAGNETRON OPERATING IN SW BAND, A RECEIVING CIRCUITS THROUGH THE PRE-IF STAGES, A TUNING INDICATOR AND A TYPE CW-1A4BG ECHO BOX, SHOCK MOUNTED AT BASE 11/15/44 D-152573 BX-21481 FEB. 45 ISS 3

CW-43ACW
 AND SWAY BRACED AT BACK OF CABINET NEAR TOP. POWER DISSIPATION IS 2000 WATTS.

CRV-43ACX SR-2
 RADAR TRANSMITTER-RECEIVER ASSEMBLY: CONSISTS OF A TYPE -35ABU TRIGGER UNIT, A TYPE -46ADX RADAR RECEIVER, A TYPE 52-ADK RADAR TRANSMITTER, A TYPE -53AAE PULSE SYNCHRONIZING UNIT, AND A TYPE -55AGN MONITOR SCOPE. 11/21/44 APR. 45

CAEV-43ACY YQ
 TRANSPONDOR SUPPLY: 115/1/60, 2.5 AMPS. UTILIZES COINCIDENT SIGNALS RECEIVED SIMULTANEOUSLY BY AN "S" BAND CRYSTAL VIDEO RECEIVER & AN IFF MARK 3 "G" BAND TUNED RF CRYSTAL VIDEO RECEIVER; UNIT OPERATES ONLY WHEN RECEIVED SIGNALS COINCIDE; 12/8/44 FEB. 45

CAEV-43ACY
 THEN IT ACTIVATES A CODER CIRCUIT WHICH DRIVES THE MODULATOR, WHICH IN TURN MODULATES THE "G" BAND TRANSMITTER. SWITCH PERMITS TRIGGER FROM DECODER TO BE USED INSTEAD OF "G" BAND FOR COINCIDENTAL TRIGGERING WITH "S" BAND PULSE. POWER OUTPUT IS 300 WATTS.

CAEV-43ACZ PO
 SYNCHRO CONVERTER SUPPLY: 115/1/60, 3 AMPS. RECEIVES AC SUPPLY PROPORTIONAL TO SINE AND COSINE OF AIRBORNE ANTENNA ANGLE WITH RESPECT TO TRUE NORTH. ROTATES A SHAFT TO HAVE SAME DIRECTION AS AIRBORNE ANTENNA AND TRANSMITS THIS INFORMATION TO INDICATORS 12/8/44 FEB. 45

CAEV-43ACZ
 BY MEANS OF A G G SYNCHRO.

CRP-43ADA SG-3,SG-4
 RADAR TRANSMITTER-RECEIVER INCLUDES -46AEA RADAR RECEIVER.

1/1/45 RX-1T02 MAR. 45

COJ-43ADB BT
 RADIO TRANSMITTER RECEIVER SUPPLY: 117/1/60, 2.3 AMPS, 275 WATTS. OUTPUT APPROXIMATELY 70 WATTS. A TWO-BAND TRANSMITTER-RECEIVER, BOTTLE BANDS OPERATING FROM A COMMON REGULATED POWER SUPPLY, BAND A SECTION CONTINUOUSLY SWEEPS A MINIMUM BAND WIDTH OF 40 MC AND 1/13/45 183 TR 2667 MAR. 45

COJ-43ADB
 MAXIMUM OF 60 MC. BAND B SECTION CONTINUOUSLY SWEEPS A MINIMUM BAND WIDTH OF 50 MC AND MAXIMUM OF 60 MC.

CW-43ADC MK 34, MOD 1 & 2
 RADAR TRANSMITTER-RECEIVER MARK 1 MOD 1: CONSISTS OF MAGNETRON OSCILLATOR WITH ASSOCIATED MODULATION AMPLIFIER, NON-LINEAR COIL PULSING SYSTEMS, CRYSTAL CONVERTER AND OSCILLATOR-AMPLIFIER, ELECTRICALLY IDENTICAL TO TYPE CW-43ACU BUT THE CASE HAS BEEN REMOVED 2/2/45 D-152271A MAR. 45

CW-43ADC
 SO THAT IT MAY BE MOUNTED IN TYPE CW-10469 RADAR MOUNTING FRAME MARK 2 MOD 0.

CAUD-43ADD *SEE BELOW RETSAT068
 TRANSMITTER-RECEIVER (BEACON) MARK 5 MOD 0): INPUT: -105V +245V DC, 35 MA. OUTPUT POWER 15 WATTS PULSED POWER. UNIT IS CAPABLE OF AUTOMATICALLY TRANSMITTING REPLIES TO PULSED SIGNALS RECEIVED IN THE "L" BAND OF *RADAR BEACON MARK 2 MOD 1 2/7/45 MAR. 45

CAUD-43ADD
 RADAR EQUIPMENT MARK 4 FREQUENCY. CONSISTS OF A QUENCH OSCILLATOR, MODULATOR & A SUPER-REGENERATIVE TRANSMITTER-RECEIVER CAVITY. MAXIMUM INTERROGATION RATE IS 5000 PPS.

CAUD-43ADE *SEE BELOW RETSAT068
 TRANSMITTER-RECEIVER (BEACON) MARK 5 MOD 1: INPUT: -105V AND +245V DC, 35 MA. OUTPUT POWER 15 WATTS PULSED POWER. UNIT IS CAPABLE OF AUTOMATICALLY TRANSMITTING REPLIES TO PULSED SIGNALS RECEIVED IN THE *RADAR BEACON MARK 2 MOD 1 2/7/45 MAR. 45

CAUD-43ADE
 "L" BAND OF THE RADAR EQUIPMENT MARK 12 FREQUENCY. CONSISTS OF QUENCH OSCILLATOR VIDEO AMPLIFIER, BLOCKING OSCILLATOR, MODULATOR, AND SUPER-REGENERATIVE TRANSMITTER-RECEIVER CAVITY. MAXIMUM INTERROGATION RATE IS 5000 PPS.

CW-43ADF SS
 RADAR TRANSMITTER-RECEIVER CONSISTS OF A MODULATION GENERATOR PULSER, MAGNETRON, RF LINES, CRYSTAL MIXERS, BEAT OSCILLATOR, PRE-IF AMPLIFIER, AFC AND A-TYPE TUNING INDICATOR. TRANSMITTER IS OF NON-LINEAR COIL TYPE WITH PEAK POWER OUTPUT OF 50 TO 75 KW AND 2/26/45 D-152293 BX-23673 MAR. 45 ISSUE 2

CW-43ADP
 PRODUCES A PULSE APPROXIMATELY 0.5 MICROSECOND WIDE. PULSE RATE AND AFC MAY BE REMOTELY CONTROLLED. UNIT IS COMPLETELY SHOCK MOUNTED IN OUTER FRAME.

CBM-43ADG MK 39 MOD 0 & 1
 RADAR TRANSMITTER-RECEIVER MARK 4 MOD 0: TRANSMITS 1/2 MICROSECOND PULSES AT REPETITION FREQUENCY OF 1800 CPS. INCLUDES LOCAL OSCILLATOR, DETECTORS, 30 MC IF AMPLIFIER, AFC CIRCUIT, AND RECEIVER CHANNEL INCLUDES TWO STAGES OF IAVC & A FAST TIME CONSTANT CIRCUIT. 3/2/45 1054 MAR. 45

CBM-43ADG
 DELIVERS .9 VOLT LIMITED VIDEO SIGNALS TO NAVY TYPE CBM-55AGY RADAR INDICATOR (DIRECTOR) MARK 8 MOD 0. INPUT 115/1/60, AND 1/2 MICROSECOND PULSE 50Q LINE. SHOCK MOUNTED.

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 43—Transmitter-receiver Units

5.43-7

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
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CG-43ADH SX
 RADAR TRANSMITTER-RECEIVER
 ASSEMBLY: ASSEMBLY CONSISTING OF 1
 TYPE CG-52ADL RADAR TRANSMITTER 2 TYPE
 CLP-46AEB RADAR RECEIVERS, 1 TYPE
 CG-23AGX REMOTE CONTROL UNIT 1 TYPE
 CLP-60ADB SYNCHROSCOPE, 1 TYPE CG-20AEE
 RECTIFIER POWER UNIT, AND 1 TYPE
 3/21/45 T-7664165
 APR. 45

CG-43ADM
 CG-20AEF RECTIFIER POWER UNIT. ALSO IN-
 CLUDES DUPLEXER ASSEMBLIES AND ASSOCIAT-
 ED PLUMBING FOR THE 2 RECEIVERS.

43ADI

DO NOT ASSIGN

CG-43ADJ MARK 36 MOD 1 RE 13A 1102
 RADAR TRANSMITTER-RECEIVER
 MARK 2 MOD 1: CONTAINS PULSE TRANSFOR-
 MER MAGNETRON, DOUBLE MIXER ASSEMBLY,
 TYPE CG-50AGS RADAR AMPLIFIER MARK 11
 MOD 1, TYPE CG-23AHB RADAR CONTROL UNIT
 (AFC) MARK 16 MOD 1, KEEP ALIVE RECTIFI-
 ER FOR THE TR TUBE, AND REQUIRED BLOX-
 4/12/45 ML7352249 CG:M-7352249
 MAY 45 REV 0

CG-43ADJ
 ERS, SWITCHES & INDICATORS FOR SERVICING
 & TUNE-UP. PULSE INPUT: 2.4 KV PEAK MAX-
 IMUM, 1800 PPS, 1/2 MICROSECOND WIDTH,
 120 KW PEAK, 120 WATTS AVERAGE, 50 OHM
 COAXIAL CABLE. OUTPUT: X BAND, 40 KW
 PEAK MAXIMUM.

CAY-43ADK SR-a, SR-5
 TRANSCEIVER CONSOLE
 CONSISTS OF A TRANSMITTER OSCILLATOR,
 AND NAVY TYPES -46ADK MONITOR RECEIVER
 AND -55AFD MONITOR SCOPE. SAME AS NAVY
 TYPE CAY-43ACH EXCEPT DOES NOT INCLUDE
 KEYS UNIT.

4/16/45
 MAY 45

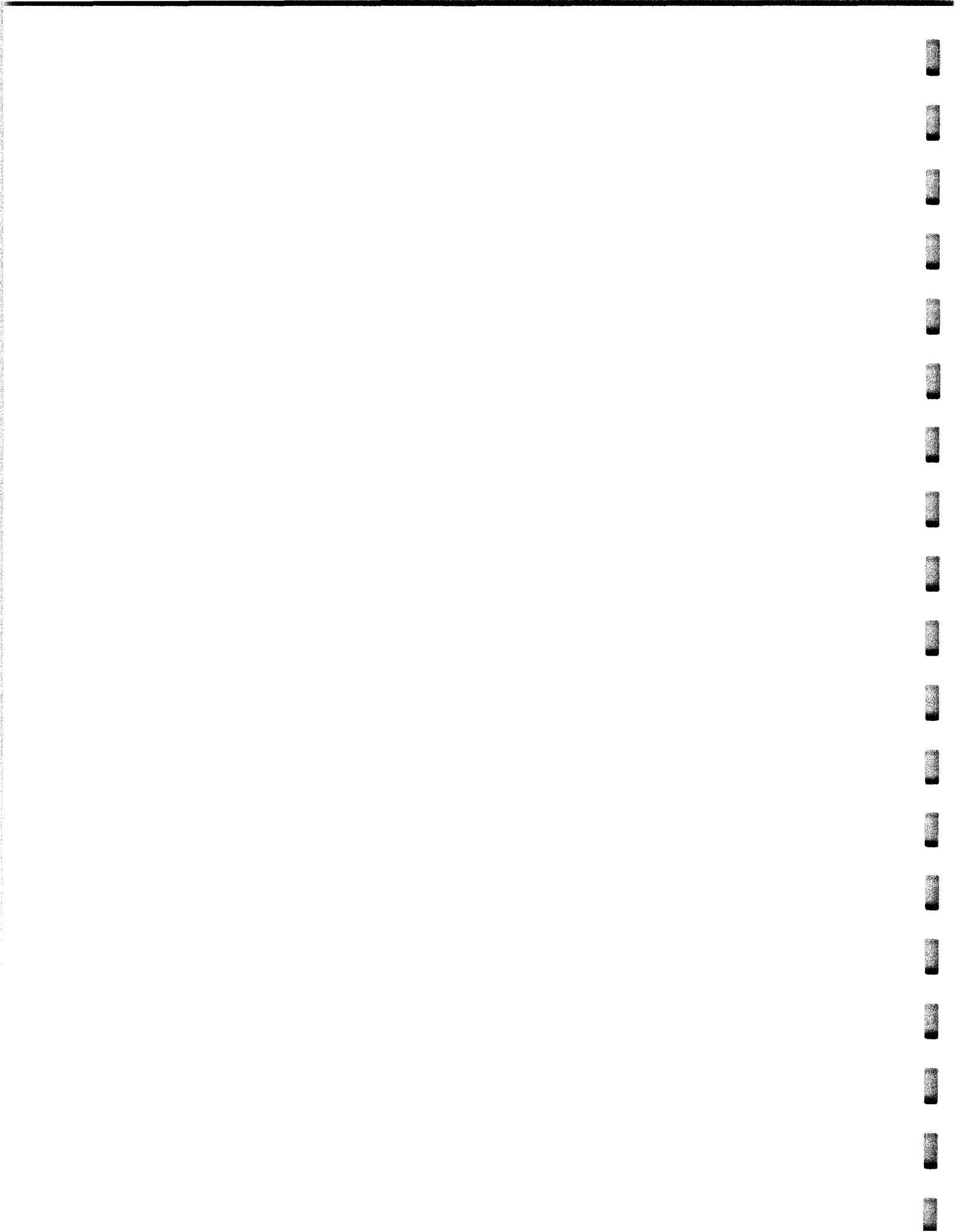
CAY-43ADL SR-3
 RADAR TRANSMITTER-RECEIVER
 CONSOLE: CONSISTS OF TRANSMITTER-OSCIL-
 LATOR, 1 TYPE CAY-46AEG RADAR RECEIVER,
 MONITOR SCOPE, ECHO BOX, ALL OF WHICH
 ARE PLUG-IN UNITS. CONTROLS ON PANEL IN-
 CLUDE LOCAL REMOTE SWITCH, MAGNETRON
 FILAMENT CONTROL SWITCH, RADIATION
 5/16/45
 MAY 45

CAY-43AOL
 SWITCH, PULSE LENGTH BAND WIDTH SWITCH,
 AND A JITTER PULSE SWITCH. INCLUDES 4
 METERS FOR INDICATING TUBE HOURS, MAGNE-
 TRON FILAMENT VOLTAGE, MAGNETRON PLATE
 CURRENT, AND STANDING WAVE RATIO. BLOWER
 PROVIDED FOR COOLING MAGNETRON. EXTERNAL
 TO CONSOLE BUT PERMANENTLY ATTACHED ARE
 TR BOX AND STANDING WAVE RATIO INDICA-
 TOR.

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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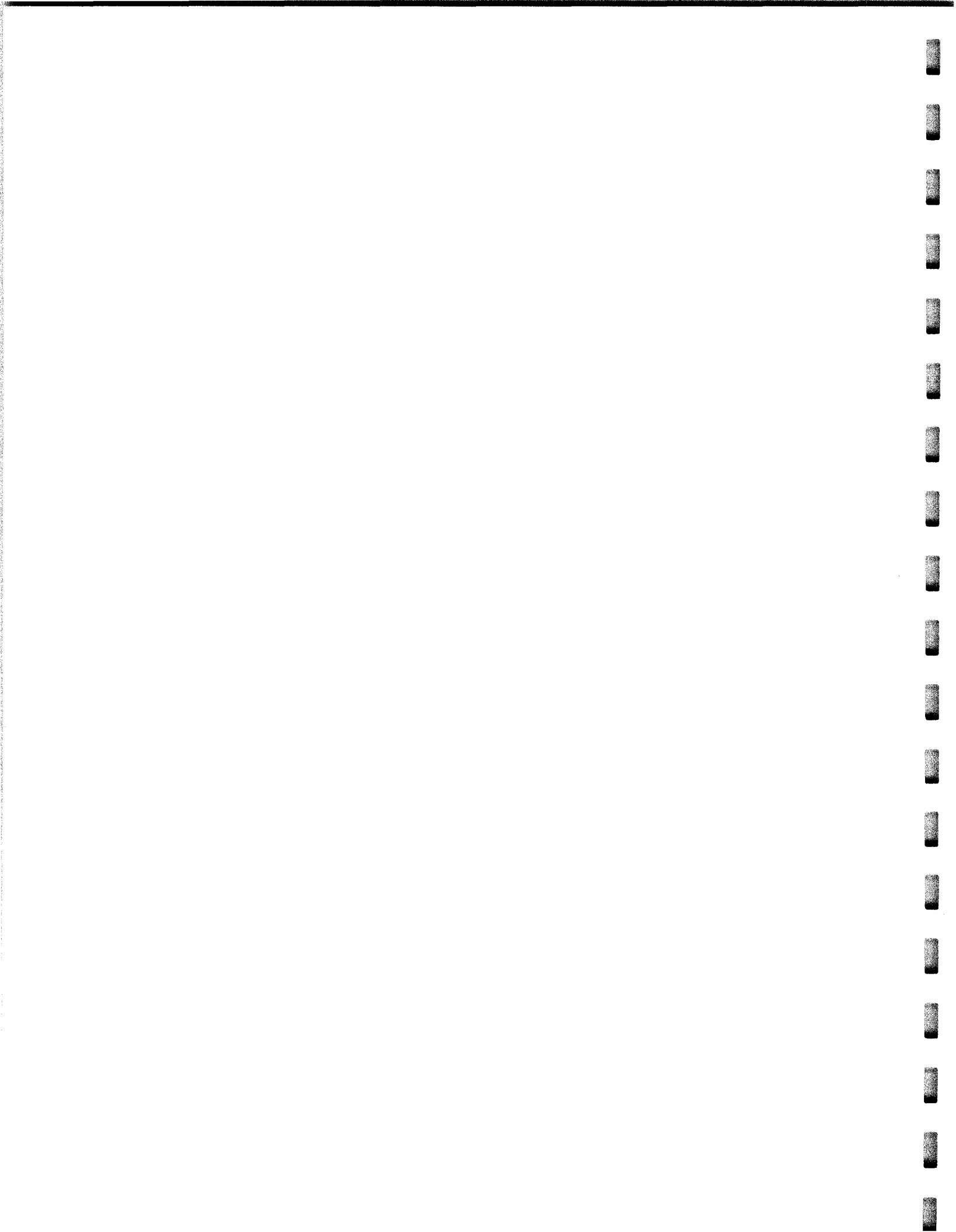


Class 46—Receiver Units and Converters

CLASS 46

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Class 46—Receiver Units and Converters

5.46-1

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
RA-46AAA XT RECEIVER UNIT: 52-55 MEGACYCLES OSCILLATOR - DETECTOR - AUDIO.	3/17/32 APR. 44		CG-46AAG B1 & B1-1 RADIO RECEIVER DESIGNED TO RECEIVE PULSES OF FROM 3 TO 10 MICROSECONDS IN DURATION AND FROM 60 TO 4000 PER SECOND REPETITION RATE. IT SUPPLIES PEAK PULSE POTENTIALS OF 10 VOLTS ACROSS A 100 OHM RESISTOR, WHICH RESISTOR MUST BE EXTERNALLY SUPPLIED.	8/25/41 APR. 44	W-19J453	CPR-46AAG ARC RADIO RECEIVER:	2/7/42 APR. 44	
CRV-46AAB CXC RECEIVER UNIT: DIRECTION FINDER 2-15 MEGACYCLES WEIGHT 36 LBS.	10/22/32 APR. 44		CG-46AAH MARK 5 (CXAZ) RADAR RECEIVER ASSEMBLY: PANEL CONSISTS OF CG-46AA1 RADAR RECEIVER CG-23AAN SYNC. CONTROL, CG-23AAD CONTROL PANEL, POWER SUPPLY FROM CG-20AAK RECTIFIER POWER ASSEMBLY.	11/1/41 APR. 44	SEE ABOVE M-7466974 REV 1	46AAP ABK AIRCRAFT RADIO RECEIVER OPERATES FROM 12V DC, INCLUDES BUILT-IN DYNAMOTOR TAKING 10 AMP.	2/6/42 JAN. 45	CMS:CCT:CZR:
CM-46AAC FA RADIO RECEIVER: PART OF CW-43AAA TRANSMITTER & RECEIVER. PART OF CW-43AAB TRANSMITTER & RECEIVER. PART OF CW-43AAC FC TRANSMITTER & RECEIVER.	2/25/41 APR. 44	D150179	CG-46AAI MK 5, MOD 1 RADAR RECEIVER: IT CAN BE TUNED OVER A RANGE SOMEWHAT GREATER THAN ±10MC. HAS 5 I.F. STAGES OPERATING AT 43MC. OVERALL FREQUENCY CHARACTERISTIC IS DOWN 6 db AT 1MC INPUT: 115/1/60 AT 1 AMP.	1/1/42 APR. 44	T-28J243 REV 1	CRV-46AAR ASB RADIO RECEIVER: USED TO AMPLIFY AND RECTIFY THE REFLECTED SIGNALS FOR CONTROLLING RANGE INDICATOR -55ABA CIRCUIT CONSISTS OF FIRST DETECTOR AND OSCILLATOR FOLLOWED BY DOUBLE FREQ. I.F. AMPLIFIER CONNECTED VIDEO AMPLIFIER AND CATHODE FOLLOWER FOR SUPPLYING	2/11/42 APR. 44	P-255012 SUB 1
CG-46AAD BF RADIO RECEIVER:	5/1/41 APR. 44	DL-4MTOAG1	CRV-46AAJ ASA,SB AIRCRAFT RADAR RECEIVER: INPUT IMPEDANCE: 50 OHMS CONCENTRIC LINE; OUTPUT IMPEDANCE: 72 OHM CONCENTRIC LINE. OUTPUT PEAK VOLTAGE: 2.3V. OPERATES FROM 120/1/800, 1.84 AMP, 190 WATTS.	11/18/41 APR. 44	M1-18101 T-620522 REV 6	CRV-46AAR SIGNALS TO RANGE INDICATOR.		
CG-46AAE SC RECEIVER-INDICATOR: ASSOCIATED WITH CG-23AAF OR CG-23AAG CONTROL US. SAME AS -46ABJ EXCEPT FOR SLIGHT DC FILTER.	6/24/41 APR. 44	P-7763808	RA-46AAK XAT RADIO RECEIVER:	2/2/42 APR. 44		CG-46AAS SC-1 RADIO RECEIVER:	2/13/42 APR. 44	
CRV-46AAF CXBC,SD RECEIVER-INDICATOR: INCLUDES AN INTERNAL RECTIFIER FOR OPERATION FROM 115/1/60 AT 1.2 AMP, 130 WATTS.	8/15/41 APR. 44	KX-382954	CAY-46AAL ASB-1 & ASB-2 AIRCRAFT RADAR RECEIVER:	2/4/42 APR. 44	CAY:DWG:P-7709065 REV 0	CPR-46AAT ASE AIRCRAFT RADAR RECEIVER: FREQUENCY: 176 MC ± 5%	3/4/42 APR. 44	5LO-59 SUB 0
CRV-46AAF-1SD-B RADAR RECEIVER-INDICATOR: INCLUDES AN INTERNAL RECTIFIER FOR OPERATION FROM 115/1/60, 1.2 AMPS, 130 WATTS; SAME TYPE -46AAF EXCEPT SUBSTITUTES A 3 WAY SWITCH FOR THE OFF-ON SWITCH. THE 3RD MOMENTARY POSITION PROVIDES POWER FOR INTERNAL INTERROGATOR AND APPLIES THE	6/15/42 APR. 44	KX-382954	CAY-46AAM ASB-3 AIRCRAFT RADAR RECEIVER:	2/4/42 APR. 44	P-7708551 SUB 0	CG-46AAU BG RADIO RECEIVER: OPERATES FROM TYPE CG-20ABE RECTIFIER POWER SUPPLY: 110 TO 117 VOLTS ±10%, SINGLE PHASE, 60 OR 400 CYCLES, 89 WATTS, 93.8% PF 0.81 AMPS.	3/25/42 APR. 44	35J37 REV 0
CRV-46AAF-1 IFF SIGNAL FROM THE VIDEO AMPLIFIER, TO THE TOP VERTICAL DEFLECTION PLATE OF THE INDICATOR CATHODE RAY TUBE, ALSO PROVIDE ADDITIONAL VENTILATION.	2/5/42 APR. 44		-46AAN BL RADIO RECEIVER: INPUT: 130 WATTS, 115/1/50-60 TO BUILT-IN RECTIFIER POWER UNIT.	2/5/42 APR. 44	(CKP)(CFN)(CMD)	RA-46AAV XBA AIRCRAFT RADIO RECEIVER: INCLUDES A DYNAMOTOR FOR OPERATION FROM 14 VOLTS DC.	3/26/42 APR. 44	

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CRY-46AAM SD-1,SD-2 RADAR RECEIVER INDICATOR: SAME AS TYPE CRY-46AAF EXCEPT INCLUDES IFF; INCLUDES INTERNAL RECTIFIER FOR OPERATION FROM 115/1/60.	3/25/42 APR. 44	MI-18051 P-720989	CRY-46ABB-1 SA-1 RADAR RECEIVER-INDICATOR: INCLUDES INTEGRAL RECTIFIER POWER SUPPLY OPERATES FROM 115/1/60, 2.3A, 250 W. SAME AS -46ABB EXCEPT HAS REPLACEMENT RECEIVER -46ACU WHICH HAS SPECIAL CIR- CUITS TO PERMIT THE EQUIPMENT TO OPERATE THROUGH STRONG INTERFERENCE. ALSO RF 7/16/43 MI-18065 M-422433, SUB 4 APR. 44 P-721955 SUB 0	4/15/42 APR. 44	M-422433 SUB 1	CFN 46ABE BL-2 RADIO RECEIVER: INPUT: 115/1/50 TO 60, 1 AMP, 118 WATTS. OUTPUT: MAXIMUM POSITIVE PULSE 90 VOLTS MAXIMUM NEGATIVE PULSE -25 VOLTS. RE- CEIVES R.F. PULSES OF 5 TO 100 MICROSECS DURATION AND CHANGES THEM TO VIDEO SIGNALS. 4/19/42 MD-1008 (CHZ)SA1149 APR. 44	4/15/42 APR. 44	M-422433 SUB 1
RW-46AX BX RADAR RECEIVER: OPERATES FROM TYPE RW-20ABF RECTIFIER POWER SUPPLY.	3/28/42 APR. 44		CRY-46ABB-1 AMPLIFIER CONTAINS (2) TYPE 446A TUBES AND IS BUILT IN A UNIT TYPE CONSTRUCTION TO FACILITATE REPLACEMENT. SAME AS 46ABA-1 EXCEPT FOR OMISSION OF THE SELSYN WHICH PROVIDES REMOTE RANGE INDICATION.	4/15/42 APR. 44	M-422433 SUB 1	CXP-46ABF BL-3 RADIO RECEIVER: INPUT: 115/1/50 TO 60 1 AMP, 110 WATTS. OUTPUT: MAXIMUM POSITIVE PULSE 75 VOLTS MAXIMUM NEGATIVE PULSE -25 VOLTS. RE- CEIVES R.F. PULSES OF 5-100 MICROSEC. DURATION AND CHANGES THEM TO VIDEO SIGNALS. 4/29/42 MD-1010 (CHZ)SA1149 APR. 44	4/15/42 APR. 44	M-422433 SUB 1
CPN-46AAY CXBG PANORAMIC RECEIVER:	4/3/42 APR. 44		CPR-46ABC ARC-1 RADIO RECEIVER: CONSISTS OF I.F. AMPLIFIER SECOND DET- ECTOR, OUTPUT AMPLIFIER, POWER SUPPLY AND RECEIVER HOUSING. INPUT: 12 TO 14 VDC, 75 WATTS, INCLUDES METAL TUBES.	4/15/42 APR. 44	M-422433 SUB 1	CS-46ABG AIA RADAR RECEIVER: PEAK PULSE OUTPUT IS 60 VOLTS ACROSS 1000 OHMS. PULSE RATE RANGE: 325 TO 1350 PULSES PER SECOND. INPUT: 115V±5% 400 TO 1600 CYCLES CONTINUOUS, 1600 TO 3000 CYCLES INTERMITTENT, AND 24 VOLTS DC.	4/15/42 APR. 44	M-422433 SUB 1
CMD-46AAZ BL-1 RADIO RECEIVER: INPUT: 115/1/50 TO 60, 1 AMP, 118 WATTS. OUTPUT: MAXIMUM POSITIVE PULSE 90 VOLTS MAXIMUM NEGATIVE PULSE 25 VOLTS. RECEIVES RADIO PULSES OF 5 TO 100 MICRO- SECS DURATION AND CHANGES THEM TO VIDEO SIGNALS. 4/4/42 MD-1005 (CHZ)SA1149 APR. 44	4/3/42 APR. 44	5/26/42 357-1049 5L0-200 APR. 44	CRP-46ABD SG RADAR RECEIVER: INPUT: 300/110/240/246/5.2V.D.C. AT .055/.057/.025/.0074/.0082 AMPS. AND 16.5/5.5/6.0/1.82/.043 WATTS. ALSO 115/6.3VAC SINGLE PHASE 60 CYCLE AT .6/.9 AMPS AND 65/5.7 WATTS. INPUT IMPEDANCE: 50 OHMS. OUTPUT IMPEDANCE 1000 OHMS. 4/23/42 WX-3879 APR. 44	4/15/42 APR. 44	M-422433 SUB 1	CRY-46ABH ASB-4 RADAR RECEIVER: CIRCUITS CONSIST OF I ST. DETECTOR AND OSCILLATOR FOLLOWED BY A DOUBLE FREQUENCY IF AMPLIFIER CONVERTER TO A VIDEO AMP- LIFIER AND CATHODE FOLLOWER FOR SUPPLY- ING SIGNALS TO THE RANGE INDICATOR. IN- PUT: VOLTS: 6.4VAC.4.2A;260DC.0.095A; 5/8/42 MI-17020 P-255213 APR. 44 SUB 3	4/15/42 APR. 44	M-422433 SUB 1
CRY-46ABA SA RADAR RECEIVER-INDICATOR: INCLUDES INTEGRAL RECTIFIER POWER SUPPLY OPERATING FROM 115/1/60, 240 WATTS WHICH SUPPLIES ALL POWER FOR THIS UNIT. 2.2 AMPS.	4/15/42 APR. 44		CRY-46ABA-1 SA RADAR RECEIVER-INDICATOR: INCLUDES INTEGRAL RECTIFIER POWER SUPPLY OPERATING FROM 115/1/60, 2.3 A, 250 W. SAME AS -46ABA EXCEPT HAS REPLACEMENT RECEIVER -46ACU WHICH HAS SPECIAL CIR- CUITS TO PERMIT THE EQUIPMENT TO OPERATE THROUGH STRONG INTERFERENCE. ALSO RF 7/16/43 MI-18065 M-422433, SUB 4 APR. 44 P-721955, SUB 0	4/15/42 APR. 44	M-422433 SUB 1	CG-46ABJ SC-2 RADAR RECEIVER-INDICATOR: INPUT 115/1/60. ---- SAME AS -46AAE EXCEPT FOR MODIFICATION IN OC FILTER. 5/27/42 REC:DL-4W96AG2 P-7764889 APR. 44 IND:DL-4W96AG1 REV 3	4/15/42 APR. 44	M-422433 SUB 1
CRY-46ABA-1 SA RADAR RECEIVER-INDICATOR: INCLUDES INTEGRAL RECTIFIER POWER SUPPLY OPERATING FROM 115/1/60, 2.3 A, 250 W. SAME AS -46ABA EXCEPT HAS REPLACEMENT RECEIVER -46ACU WHICH HAS SPECIAL CIR- CUITS TO PERMIT THE EQUIPMENT TO OPERATE THROUGH STRONG INTERFERENCE. ALSO RF 7/16/43 MI-18065 M-422433, SUB 4 APR. 44 P-721955, SUB 0	4/15/42 APR. 44		CRY-46ABA-1 AMPL. CONTAINS (2) TYPE 446A TUBES AND IS BUILT IN A UNIT TYPE CONSTRUCTION TO FACILITATE REPLACEMENT.	4/15/42 APR. 44	M-422433 SUB 1	CG-46ABK MK 5 MOD 1 RADAR RECEIVER ASSEMBLY: CONSISTS OF CG-46AA1, CG-23ACG AND CG-23ACH. *(T-7662057-P1;ML-7662052-G1;T-28J243; ML-7661693-G2();ML-7351208-G1) 5/27/42 *SEE ABOVE APR. 44	4/15/42 APR. 44	M-422433 SUB 1
CRY-46ABB SA-1 RADAR RECEIVER-INDICATOR: INCLUDES INTERNAL RECTIFIER POWER SUPPLY OPERATING FROM 115/1/60, 240 WATTS 2.2 AMPS WHICH SUPPLIES ALL POWER FOR THIS UNIT. SAME AS CRY-46ABA EXCEPT FOR OMIS- SION OF THE SELSYN WHICH PROVIDES REMOTE RANGE INDICATION. 4/22/42 APR. 44	4/15/42 APR. 44	7/6/43 APR. 44	CRY-46ABA-1 AMPL. CONTAINS (2) TYPE 446A TUBES AND IS BUILT IN A UNIT TYPE CONSTRUCTION TO FACILITATE REPLACEMENT.	4/15/42 APR. 44	M-422433 SUB 1	CH-46ABL ASC R.F. TO I.F. CONVERTER: I.F. IS 60 TO 62 MC. 6/11/42 D-150578 ESR-687296 APR. 44	4/15/42 APR. 44	M-422433 SUB 1
CRY-46ABB SA-1 RADAR RECEIVER-INDICATOR: INCLUDES INTERNAL RECTIFIER POWER SUPPLY OPERATING FROM 115/1/60, 240 WATTS 2.2 AMPS WHICH SUPPLIES ALL POWER FOR THIS UNIT. SAME AS CRY-46ABA EXCEPT FOR OMIS- SION OF THE SELSYN WHICH PROVIDES REMOTE RANGE INDICATION. 4/22/42 APR. 44	4/15/42 APR. 44	7/6/43 APR. 44	CRY-46ABA-1 AMPL. CONTAINS (2) TYPE 446A TUBES AND IS BUILT IN A UNIT TYPE CONSTRUCTION TO FACILITATE REPLACEMENT.	4/15/42 APR. 44	M-422433 SUB 1	CH-46ABL ASC R.F. TO I.F. CONVERTER: I.F. IS 60 TO 62 MC. 6/11/42 D-150578 ESR-687296 APR. 44	4/15/42 APR. 44	M-422433 SUB 1

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<p> CW-46ABM ASC I.F. TO VIDEO CONVERTER: I.F. IS 60 TO 62 MC. VIDEO IS 0 TO </p>	6/11/42	D-150551	ESR-681560	<p> CPR-46ABT TUBE. SERVES AS CENTRAL CONTROL POINT FOR ENTIRE EQUIPMENT. PROVIDES TRANSMITTER TRIGGERING PULSE OF 20 MICROSECS. AT 400 CPS/800CPS FOR BEACON SEARCH OPERATION. I.F.F. PULSE IS 30 MICROSECS. AT SAME RATE. INPUT: 115/1/400 TO 2400. 6.87AMPS. </p>	9/4/42	<p> RA-46ABY XBD RADIO RECEIVER: </p>	APR. 44	APR. 44
<p> CRY-46ABM MARK 6 RADAR RADAR RECEIVER: OUTPUT FEEDS 75 OHMS TRANSMISSION LINE AT I.F. (16 MC) FREQUENCY. INCLUDES INTEGRAL THERMIONIC RECTIFIER OPERATING FROM 117/1/60. </p>	7/11/42			<p> CPR-46ABT-1ASG-3 (AIRCRAFT RADAR RECEIVER-INDICATOR ASSEMBLY) RECEIVER INDICATOR: ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH -46ABT. SAME AS -46ABT EXCEPT SLIGHT CIRCUIT CHANGES (RESTS FOR VALUES ETC). INCLUDES ONE TYPE CPR-50ABR-1 I.F. AMPLIFIER. </p>	9/4/42	<p> -46ABZ BL-4, BL-5, BL-6 RADIO RECEIVER: RECEIVES PULSES OF 5 TO 100 MICROSECS. DURATION. OUTPUT: +75 VOLT MAXIMUM PULSE OR -25 VOLTS MAXIMUM PULSE. OPERATES FROM 115/1/50 TO -60. 1 AMP, 110 WATTS. SIMILAR TO -46ABF BUT HAS DIFFERENT POWER TRANSFORMER, FILTER CHOKE, TUNING RANGE. </p>	APR. 44	APR. 44
<p> CRR-46ABO ASB-5 AIRCRAFT RADAR RECEIVER: INPUT: 6.3/1/600-1400. 4 AMPS FOR FILAMENTS, AND 275VDC AT 100 MA. SHOCK-MOUNTED. </p>	7/14/42		L-73748C	<p> CPR-46ABU ASG, ASG-1 R.F. TO I.F. CONVERTER: COMPRISES A LOCAL OSCILLATOR, CRYSTAL MIXER AND TWO STAGES OF I.F. AMPLIFICATION. ALSO A BEACON WAVELENGTH IS PROVIDED TO SET THE OSCILLATOR FREQUENCY AT THE VALUE REQUIRED FOR TUNING BEACON SIGNALS. </p>	8/15/42	<p> -46ABZ TUNING EYE CIRCUIT, AND VIDEO COUPLING CIRCUIT. </p>	APR. 44	APR. 44
<p> CRY-46ABP ARE AIRCRAFT RADIO RECEIVER: OPERATES FROM 25.0 VOLTS DC, 8.9 AMPS INCLUDES INTEGRAL DYNAMOTOR POWER UNIT. (RED) (SHOCK MOUNT IS INCLUDED, NI-17082-1) </p>	7/20/42	MI-17033-D	P-255316	<p> CPR-46ABU OUTPUT FREQUENCY: 30MC. INPUT POWER: 115/1/400 TO 1600. 0.13 AMP, 15 WATTS; 105V DC, 33MA, 3.5 WATTS, AND 520V DC, 16MA, 8.3 WATTS. </p>	11/10/42	<p> CRP-46ACA CXBX RADAR RECEIVER: INPUT: 240DC/105DC/-255DC/-360DC/115 SINGLE PHASE 400 CYCLES. </p>	APR. 44	APR. 44
<p> CRY-46ABQ ARF AIRCRAFT RADIO RECEIVER: OPERATES FROM 25.0 VOLTS DC, 8.9 AMP INCLUDES INTEGRAL DYNAMOTOR POWER UNIT. (YELLOW) (SHOCK MOUNT IS INCLUDED, NI-17082-1). </p>	7/20/42	MI-17033-E	P-255316	<p> CRY-46ABY ASG, ASG-1 AIRCRAFT RADAR RECEIVER-INDICATOR: INPUT FREQUENCY: 30 MC. INDICATOR CALIBRATIONS (CONCENTRIC CIRCLES) ARE ADJUSTABLE BY A RANGE SWITCH FOR 0 TO 5, 0 TO 20, 0 TO 50, 0 TO 90 NAUTICAL MILES; DIRECTION IS INDICATED BY DIRECTION OF IMAGE FROM CENTER </p>	7/31/42	<p> *M-3B29-W205, SUB C, M-48W3 SUB C </p>	APR. 44	APR. 44
<p> CRY-46ABR ARG AIRCRAFT RADIO RECEIVER: OPERATES FROM 25.0 VOLTS DC 8.9 AMP INCLUDES INTEGRAL DYNAMOTOR POWER UNIT. (GREEN) (SHOCK MOUNT IS INCLUDED, NI-17082-1). </p>	7/20/42	MI-17033-F	P-255316	<p> CG-46ABW MARK 11 (GE MODEL) R.F. TO I.F. CONVERTER: REPLACED BY -46AC4 IN SOME EQUIPMENTS. </p>	9/1/42	<p> CPN-46ACB CXCT R.F. TO I.F. CONVERTER: INCLUDES A MOTOR FOR SCANNING THE ENTIRE FREQUENCY RANGE (TO GIVE PANORAMIC RECEPTION), AND A FREQUENCY INDICATOR SCALE. </p>	APR. 44	APR. 44
<p> CRY-46ABS ARH AIRCRAFT RADIO RECEIVER: OPERATES FROM 25.0 VOLTS DC, 8.9 AMP INCLUDES INTEGRAL DYNAMOTOR POWER UNIT. (BLUE) (SHOCK MOUNT IS INCLUDED, NI-17082-1). </p>	7/20/42	MI-17033-G	P-255316	<p> CG-46ABX MARK 11 (GE MODEL) I.F. TO VIDEO CONVERTER: SIGNAL INPUT: (KC) SUPPLIED BY TYPE CG-46ABW R.F. TO I.F. CONVERTER. SIGNAL OUTPUT: VIDEO TO INDICATOR UNIT. POWER INPUT: 110 TO 120/1/60, 0.5 AMP, 54 WATTS REPLACED BY -46ACZ IN SOME EQUIPMENTS. </p>	9/1/42	<p> CRV-46ACC ARJ AIRCRAFT RADIO RECEIVER: OPERATES FROM 24VDC. </p>	APR. 44	APR. 44
<p> CPR-46ABT ASG, ASG-1 AIRCRAFT RADAR RECEIVER -INDICATOR ASSEMBLY: INPUT FREQUENCY: 30 MC. INDICATOR CALIBRATIONS ARE ADJUSTABLE BY A RANGE SWITCH FOR 0 TO 5, 0 TO 20, 0 TO 50 AND 0 TO 70 NAUTICAL MILES; DIRECTION IS INDICATED BY DIRECTION OF RANGE FROM CENTER OF THE </p>	7/31/42		S10-182	<p> CG-46ABY OF THE TUBE. SERVES AS CENTRAL CONTROL POINT FOR ENTIRE EQUIPMENT. PROVIDES TRANSMITTER TRIGGERING PULSE OF 20 MICROSECONDS AT 400 CPS/800 CPS FOR BEACON/SEARCH OPERATION. IFF PULSE IS 30 MICROSECONDS AT SAME RATE. </p>	12/12/42	<p> CRV-46ACD ARK AIRCRAFT RADIO RECEIVER: OPERATES FROM 24VDC. </p>	APR. 44	APR. 44

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CAY-46ACE ASB-7 AIRCRAFT RADAR RECEIVER: ELECTRICALLY AND MECHANICALLY INTER- CHANGEABLE WITH CAY-46AAM, BUT HAS DIFFERENT COMPONENTS.	12/29/42 APR. 44	P-7709267 SUB 0	CPR-46ACJ *SEE BELOW RADAR RECEIVER: SUPPLY: 6.3/1/600 TO 2400 AND 275V DC, AT 6.7 AMPS AND 117 MA RESPECTIVELY, ELECTRICALLY AND MECHANICALLY INTER- CHANGEABLE AS A WHOLE (BUT NOT COMPO- *FOR USE WITH ASB SERIES NX9A-19873 *CAT:P-77134-29 SUB 0 3/4/45 DEC. 44	5LO-626 REV * QSEE ABOVE		CN-46ACP HK 12 RECEIVER CIRCUIT UNIT (RADAR RECEIVER UNIT MARK 1 MOD 0): SEE TN FILES.	3/31/43 APR. 45	D-150910 BR-11290 ISSUE 1
CXP-46ACF BL-6 RADIO RECEIVER: SIMILAR TO TYPE -46A9Z EXCEPT FOR IM- PEDANCE AND RECEIVER OUTPUT.	1/7/43 APR. 44	(CHZ)MA-1024 REV 0	CPR-46ACJ MENTS) WITH CAY-46AAM.			CG-46ACQ SC,SC-1,SC-2,SK,SC-3 NX9S-24386 RADAR RECEIVER: INCLUDES A PREAMPLIFIER FUNCTION FORMER- LY CONTAINED IN -50A8M PREAMPLIFIER. (USED AS REPLACEMENT FOR SC,SC-1,SC-2, SC-3, SK RADAR RECEIVER INDICATOR; USED WITH RECTIFIER POWER UNIT CG-20220) 4/16/43 DL-4W255A M-48J119 APR. 44		
CRY-46ACG SA-2 RADAR RECEIVER INDICATOR: SIMILAR TO TYPES -46ABA AND -46ABB EXCEPT (SEE TN FILES).	1/22/43 APR. 44	MI-18001-B M-422433 SUB 4	CG-46ACK SM RECEIVER UNIT: SEE TN FILES.	3/16/43 DL4W178A W-19J613 APR. 44 REV 0		CG-46ACQ-2 SC-5, SK-3 RADAR RECEIVER SAME AS -46ACQ-1 EXCEPT A SENSITIVITY TIME CONTROL HAS BEEN ADDED WHICH ALLOWS THE OPERATOR TO DECREASE THE SENSITIVITY AT THE BEGINNING OF THE TRACE.	9/22/44 APR. 45	DL-4W352 W-49J80
CRY-46ACG-1 SA-2 RADAR RECEIVER-INDICATOR: INCLUDES INTEGRAL RECTIFIER POWER SUPPLY OPERATES FROM 115/1/60, 2.3 AMPS, 250W. SAME AS -46ACG EXCEPT HAS REPLACEMENT RE- CEIVER -46ACU WHICH HAS SPECIAL CIRCUITS TO PERMIT THE EQUIPMENT TO OPERATE THROUGH STRONG INTERFERENCE. ALSO R.F. 7/16/43 MI-18065 M-422433 SUB 4 APR. 44 P-721955 SUB 0			CG-46ACL SM OSC.-MIXER-PRE. AMP. UNIT: SEE TN FILES.	3/16/43 DL4W177A T-41J127 APR. 44 REV 0		CG-46ACQ-1 NX9S-24386 RADAR RECEIVER: SAME AS BASIC NUMBER EXCEPT THAT 2 WIRE MOUNTED RESISTORS HAVE BEEN CHANGED FROM TERMINAL TAB TYPE GRADE 1, CLASS 2 TO FERRULE TYPE GRADE 1, CLASS 1.	12/1/43 APR. 44	DL-4W352A G 1
CRY-46ACG-1 AMPL. CONTAINS (2) TYPES 46A TUBES AND IS BUILT IN A UNIT TYPE CONSTRUCTION TO FACILITATE REPLACEMENT. SIMILAR TO -46ABA-1 AND -46ABB-1 EXCEPT FOR INCLU- SION OF KEYING INDICATOR TUBE, PROVIDES FOR SWITCHING RANGE, SLIGHT CHANGES IN MECHANICAL DESIGN.			CG-46ACM SC-3 RADAR RECEIVER-INDICATOR: SIMILAR TO CG-46ABJ EXCEPT (1) THE REMOTE RANGE SYNCHROS AND ASSOCIATED SWITCHING CIRCUITS HAVE BEEN OMITTED, (2) RANGES HAVE BEEN CHANGED, (3) STEP-MARKER, HEIGHT CONTROL HAS BEEN OMITTED AND THE STEP HEIGHT FIXED, (4) A NEW CALIBRATION 3/29/43 DL4W285-A APR. 44			CHZ-46ACR BM RADIO RECEIVER: INPUT AND OUTPUT IMPEDANCES: 50 OHMS. OPERATES FROM 115/1/50 TO 60. SAME AS -46ACS EXCEPT OPERATES ON A LOWER FREQ- UENCY.	5/4/43 APR. 44	BM RADIO RECEIVER
CRY-46ACG-2 SA-2 RADAR RECEIVER-INDICATOR: INCLUDES INTEGRAL RECTIFIER POWER SUPPLY OPERATES FROM 115/1/60, 2.3 AMPS, 250 WATTS. SAME AS CR/-46ACG-1 (INCLUDES NAVY TYPE -46ACU RADAR RECEIVER FOR OPERATION THROUGH STRONG INTERFERENCE. USES SAME DEFLECTION AMPLIFIER) EXCEPT I.F. AND 12/6/43 MI-18001-C P-718838-1 APR. 44 REV 1			CG-46ACM CIRCUIT HAS BEEN ADDED, (5) TERMINAL BOARDS HAVE BEEN RELOCATED. HAS SAME MOUNTING PROVISIONS AS -46ABJ.			CHZ-46ACS 80 RADIO RECEIVER: INPUT AND OUTPUT IMPEDANCES: 50 OHMS. OPERATES FROM 115/1/50 TO 60. SAME AS -46ACR EXCEPT OPERATES ON A HIGHER FREQ- UENCY.	5/4/43 APR. 44	80 RADIO RECEIVER.
CRY-46ACG-2 2 ND. DETECTOR CIRCUITS OF INDICATOR, OMITTED, LEFT-RIGHT AMPLIFIER MORE EFF- ICIENT AND MINOR WIRING CHANGES. CONTAINS -55AAE INDICATOR UNIT AND -50AEE DEFLECTION AMPLIFIER.			RA-46ACM XSH,XBK RADIO RECEIVER: LISTEN THROUGH RECEIVER: INPUT VOLTAGES 300 VOLTS DC AND 24 VOLTS DC. HAS PROV- ISIONS FOR PHONE OUTPUT. WEIGHT 12 POUNDS.	3/31/43 APR. 44	RA46F314A	CUO-46ACT RDA RADIO RECEIVER: INPUT 105 TO 125 OR 75 TO 85 VOLTS, 1 PHASE, 60 CYCLES . ULTRA HIGH FREQ- UENCY. COVERS RANGES A,B AND C. SIMILAR TO NAVY TYPE CUO-46211 EXCEPT HAS AMP- LIFIER AND DETECTOR SECTIONS.	7/9/43 APR. 44	520 E-114 7/28/43
CFN-46ACH BL-5 RADIO RECEIVER: (RECEIVES PULSES OF 5 TO 100 MICROSECS. DURATION). OPERATES FROM 115/1/50 TO 60, 1 AMP, 110 WATTS. SAME AS -46A9Z EXCEPT FOR VIDEO COUPLING CIRCUIT.	2/20/43 APR. 44	BL-5 RADIO MA-1022 RECEIVER ISSUE A	CN-46ACO HK 12 R.F. TO I.F. CONVERTER: (SEE TN FILES).	3/31/43, D-150903 APR. 44	BO-11282 ISSUE 1	CQV-46ACU SA,SA-1,SA-2 RADAR RECEIVER: HAS SPECIAL CIRCUITS TO PERMIT RECEPTION THROUGH STRONG INTERFERENCE. R.F. AMP- LIFIER CONTAINS TMC (2) TYPE 46A TUBES AND IS BUILT IN A UNIT TYPE CONSTRUCTION TO FACILITATE REPLACEMENT. OPERATES FROM 115/1/60. USED AS THE RECEIVER IN NAVY 7/19/43 MI-18065 P-721955 APR. 44 SUB 0		

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		CRV-46ACU TYPES -46ABA-1; -46ABB-1 AND -46ACG-1 RADAR RECEIVER-INDICATORS. USED TO RE- PLACE RECEIVERS OF -46ABA; -46ABB; -46ACG.			CRY-46ACY EXTERNAL CRYSTAL MIXER. AN I.F. OUTPUT JACK, 50 OHMS CO-AXIAL, IS PROVIDED. THIS UNIT USED TO REPLACE -46ABW IN SOME EQUIPMENTS. INPUT : 115/1/60, 0.135 AMPS 22 WATTS AND 300 VOLTS DC, 0.055 AMPS, 16-5 WATTS.			CRP-46ADD SO-11 RADAR RECEIVER; PART OF CRP-43ACH RADAR TRANSMITTER-RE- CEIVER.		
		-46ACY BQ RADIO RECEIVER; RECEIVES PULSES OF 1/2 TO 50 MICROSECS. DURATION. OUTPUT IS +17 VOLTS MAXIMUM PULSE (NO NEGATIVE OUTPUT). INPUT 115/1/50 TO 60, 1 AMP 110 WATTS; SIMILAR TO TYPE -46ABZ EXCEPT (1) HAS REVISED TUNING RANGE, (2) PULSE RANGE IS 1/2 TO 7/22/43 BQ RECEIVER APR. 44			CRY-46ACZ MK 11, MODS 4 AND 5 MK 26, MODS 3 AND 4 I.F. TO VIDEO CONVERTER; CONSISTS OF A SMALL METAL BOX FITTED WITH SHOCK MOUNTS. A JACK ON THE PANEL RECEIVES THE OUTPUT OF THE (-46ACY) R.F. TO I.F. CONVERTER AND FEEDS IT TO FOUR STAGES OF 30 MC I.F. AND TWO STAGES OF 8/16/43 MI-18127 T-621381-1 APR. 44 SUB 1		12/7/43 WX-5243 H-34B-W29 APR. 44 SUB A			
		-46ACY 50 MICROSECONDS, (3) OUTPUT CHANGED, AND (4) REVISED I.F. BANDPASS CHARACTER- ISTICS.			VIDEO TERMINATING IN A CRY-46ACZ CATHODE FOLLOWER OUTPUT FOR MATCHING TO A 50 OHM COAXIAL CABLE. A SEPARATE I.F. CHANNEL IS PROVIDED WITH A DISCRIMINATOR AND A SWEEP OSCILLATOR WHICH AUTOMATIC- ALLY CONTROLS THE FREQ. OF THE OSCILLATOR IN THE (-46ACY) RF TO IF CONVERTER. PLATE VOLTAGES FOR WHICH ARE OBTAINED FROM THIS UNIT. THIS UNIT USED TO REPLACE -46ABX IN SOME EQUIPMENTS.			CG-46ADE SP RADAR RECEIVER; CONSISTS OF A 2 CHANNEL I.F. AMPLIFIER, 2 GATE CIRCUITS AN AGC CIRCUIT VIDEO AMP- PLIFIER CIRCUITS AND AN I.F. BANDWIDTH SWITCH IN THE MAIN CHANNEL. MAIN I.F. CHANNEL SUPPLIES VIDEO TO ALL SCOPES. OTHER CHANNEL IS GATED TO PASS ONE SIGNAL 12/28/43 DL-4W399A APR. 44		
		CFN-46ACW BN R.F. TO I.F. CONVERTER; MOUNTS ON NAVY TYPE CFN-43ACB FROM WHICH IT DERIVES ITS POWER, DELIVERS I.F. SIGNAL TO I.F. AMPLIFIER INPUT OF NAVY TYPE CFN-43ACB. INCLUDES RECEIVER TUNING CONTROLS. INPUT Z IS 50 OHMS. OUTPUT Z IS 1500 OHMS. 7/26/43 300484G-1 300736 APR. 44			CRP-46ADA SO-3 RADAR RECEIVER; AN IMPROVED VERSION OF CRP-46ACA-1. AUTO- MATIC FREQUENCY CONTROL IS PROVIDED MAN- UAL OR AFC ACTION BEING SELECTED BY A RELAY WITHIN. UNIT IS COMPLETELY ENCLOSED WITH FORCED VENTILATION, INCLUDES DUAL X BAND MIXER AND LOCAL OSCILLATOR. THIS 9/13/43 WX-5424 ASEE PLATE 2 APR. 44			CG-46ADF SP OSCILLATOR-PREAMPLIFIER UNIT; UNIT CONTAINS A LOCAL OSCILLATOR, A 3 STAGE I.F. PREAMPLIFIER AND AN AFC CIRCUIT THE LOCAL OSCILLATOR AND PREAMPLIFIER TIE ONTO AIR EXTERNAL CRYSTAL MIXER THROUGH 2 COAXIAL CABLES. I.F. OUTPUT FEEDS THROUGH A COAXIAL CABLE TO THE 12/28/43 DL-4W443A APR. 44		
		CFN-46ACW-1 BN-1 R.F. TO I.F. CONVERTER; MOUNTS ON NAVY TYPE CFN-43ACB FROM WHICH IT DERIVES ITS POWER, DELIVERS I.F. SIGNALS TO I.F. AMPLIFIER INPUT OF NAVY TYPE CFN-43ACB. INCLUDES RECEIVER TUNING CONTROLS. INPUT IMPEDANCE IS 50 OHMS. OUTPUT IMPEDANCE 1500 OHMS. SAME AS 7/6/44 D-301859 D-301909 DEC. 44 REV 0			CRP-46ADA UNIT SUPPORTS THE R.F. SYSTEM. INCLUDES ACCESS DOOR FOR TUNING PURPOSES. AA-5B43-W220, SUB B, (CRP DWG-M-5B43-W220, SUB A)			CG-46ADE AT A TIME AND IS CONTROLLED BY THE AGC.		
		CFN-46ACW- CFN-46ACW EXCEPT FOR CHANGE IN TUBES WHICH IMPROVES THE SENSITIVITY.			CADU 46ADB CXFO RADIO RECEIVER			-46ADE RADAR RECEIVER.		
		CG-46ACX RADIO RECEIVER MK 1 MOD RADIO RECEIVER: 8/5/43 PELICAN RECEIVER APR. 44			CANCELLED 10/1/43 JAN. 45			CG-46ADG SK-1M RADAR RECEIVER-INDICATOR; INPUT: 115/1/60, 1.9 AMPS, 210 WATTS. SAME AS -46ACM EXCEPT EXTRA FILTERING AND CONTROL CIRCUITS HAVE BEEN ADDED TO PERMIT OPERATION ON EITHER 60 OR 180 PULSES PER SECOND REPETITION RATE. IN- CLUDES A -46ACQ-1 RADAR RECEIVER. 1/2/44 DL-4W350A W-7351654 DEC. 44		
		CRV-46ACY MK11-MOD 4 AND 5 MK 26-MODS 3 AND 4 R.F. TO I.F. CONVERTER; CONSISTS OF A SMALL METAL BOX FITTED WITH RAILS SUITABLE FOR MOUNTING IN EI- THER THE -10ACE OR -10234 HOUSINGS. IN- CLUDES OSCILLATOR AND TWO STAGES OF 30 MC I.F. PROVISION IS MADE TO CONNECT TO AN 8/16/43 MI-18126 P-718899-1 APR. 44 SUB 1			QOV-46ADC SD-5 RADAR RECEIVER SUPPLY: 105-125V, 1ϕ, 60±2%, 1 AMP, 100 WATTS. HEATING UNIT WITHIN RECEIVER RE- QUIRES ADDITIONAL 115V AC OR DC, 0.1 AMP 13 WATTS. CONTAINS R.F. AMPLIFIER, I.F. AND VIDEO CIRCUITS, SWEEP CIRCUITS AND 2" (2 API) INDICATOR. RECEIVER MONITORS 12/4/43 CRV:1-18093 CRV:P-718833 APR. 45 SUB 0			CG-46ADG-1 SC-5, SK-3 RADAR RECEIVER-INDICATOR SAME AS -46ADG EXCEPT INCLUDES A -46ACQ-2 RADAR RECEIVER INSTEAD OF -46ACQ-1. ADDED 47,000 OHM RESISTOR TO FEED MULTIVIBRATOR NEGATIVE BLOCK TO STC IN RECEIVER. 9/22/44 DL-4W350 W-49J80 APR. 45 SUB 0		
					QOV-46ADC ENTIRE SYSTEM AND ADJUSTS TRANSMITTER, DIPLEXING UNIT, ECHO BOX FOR MAX. PER- FORMANCE.			CAT-46ADH SR RADAR RECEIVER; CONSISTS OF: (1) VARIABLE BAND WIDTH IS MC I.F. AMPLIFIER (2) SECOND DETECTOR & VIDEO AMPLIFIERS SUPPLYING 4 SEPARATE OUTPUTS FOR RANGE SCOPE, PPI, AND PPI RE- PEATERS, (3) ANTI-JAM CIRCUITS AND CON- TROLS (4) POWER SUPPLY SUITABLE FOR 1/12/44 T-7611350 DEC. 44 SUB 1		
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

5.46-6

Class 46—Receiver Units and Converters

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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CAT-46ADH
OPERATING FROM 115/1/60.

CHZ
CKP-46ADM BM-1
RADIO RECEIVER:
INPUT AND OUTPUT IMPEDANCE: 50 OHMS. OPERATES FROM 115/1/50 TO 60. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH NAVY TYPE -46ACR AS A UNIT EXCEPT FOR CONNECTORS AND RECEPTACLES INSTEAD OF 3/15/44 MA-1208 CHZ:LA-1038 DEC. 44 REV 0

CW-46ADS MK 20 MOD 1
RECEIVER-MODULATOR UNIT
SUPPLY: 27V DC AND 115/1/400. CONTAINS TYPE CW-50AFM MODULATOR AND TYPE CW-46ADY RADAR RECEIVER.

5/22/44 X-66189-AB
OCT. 44

CAT-46ADJ SR
INDICATOR CONSOLE:
CONSISTS OF ONE EACH OF TYPES -23AEM, GENERAL CONTROL PANEL TYPE -23AEV IFF COORDINATOR, TYPE -55ADV PLAN POSITION INDICATOR REPEATER, TYPE -46ADH CONSOLE RECEIVER, TYPE -55AFB RANGE SCOPE, TYPE -55AFC BEARING INDICATOR AND TYPE -10313
1/12/44 T-7611717
APR. 45 SUB 0

CHZ
CKP-46ADM
TERMINAL BOARDS AND SLIGHTLY IMPROVED DESIGN. SAME AS -46ADO EXCEPT OPERATES ON RANGE A.

CFW-46ADT BP
RF TO IF CONVERTER
MOUNTS ON TYPE -43ACB MODULATOR AND IF TO VIDEO CONVERTER FROM WHICH IT DERIVES ITS POWER. DELIVERS IF SIGNAL TO IF AMPLIFIER INPUT OF TYPE -43ACB. INCLUDES RECEIVER TUNING CONTROLS. INPUT IMPEDANCE IS 50 OHMS AND OUTPUT IMPEDANCE IS 7/15/44 301456 301964
APR. 45 REV 1

CAT-46ADJ
INDICATOR CONSOLE CRADLE.

CHZ
CKP-46ADO BO-1
RADIO RECEIVER:
INPUT AND OUTPUT IMPEDANCE: 50 OHMS. OPERATES FROM 115/1/50 TO 60. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH NAVY TYPE -46ACS AS A UNIT EXCEPT FOR CONNECTORS AND RECEPTACLES INSTEAD OF 3/15/44 MA-1209 CHZ:LA-1039 DEC. 44 REV 0

CFN-46AOT
1500 OHMS. SAME AS -46ACW EXCEPT FOR FREQUENCY CHANGE ACCOMPLISHED BY CHANGE IN TUBES AND OTHER CIRCUIT MODIFICATIONS.

CAT-46ADJ-1 SR-5
INDICATOR CONSOLE:
CONSISTS OF ONE EACH OF TYPE -23AEM GENERAL CONTROL PANEL, TYPE -23AEV IFF COORDINATOR TYPE -55ADV PLAN POSITION INDICATOR REPEATER TYPE -46ADH CONSOLE RECEIVING TYPE -55AFB RANGE SCOPE, TYPE -55AST BEARING INDICATOR AND TYPE -10313
1/29/45 DL-7502756011 T-7611717
APR. 45 SUB 0

CHZ
CKP-46ADO
TERMINAL BOARDS AND SLIGHTLY IMPROVED DESIGN. SAME AS 46ADM EXCEPT OPERATES ON RANGE G.

CNA-46ADU RDG RE 13A 865A
PANORAMIC SEARCH RECEIVER
MECHANICALLY SCANNED, BROAD BAND, PANORAMIC RECEIVER. BUILT-IN RECTIFIER POWER SUPPLY: 110/1/50 TO 60. BUILT-IN SYNCHRO MOTOR, 110/1/60, 1800 RPM, 1/20 HP. BODINE TYPE MECHANICALLY TURNS CONDENSER. CATHODE FOLLOWER OUTPUT OF 100V.
8/15/44 BM:126 (CNA)H-267
APR. 45

CAT-46ADJ-1
-10313 INDICATOR CONSOLE CRADLE. SAME AS TYPE -46ADJ EXCEPT FOR BEARING INDICATOR.

CRP-46ADP SO-4
RADAR RECEIVER:
SAME AS -46ADA EXCEPT NO ACCESS DOOR FOR TUNING IS PROVIDED.

CNA-46ADU
FREQUENCY RANGE 0.54-2.90 MC OBTAINABLE BY PLUG-IN COIL SETS.

3/22/44 RX-1179 M-985-W6
APR. 44 SUB A

CAT-46ADK SR
MONITOR RECEIVER:
CONTAINS (1) R.F. PACKAGE (2) ONE WIDE BAND AND ONE MEDIUM BAND I.F. AMPLIFIER (3) SECOND DETECTOR, (4) ECHO BOX AND POWER UNIT NECESSARY FOR OPERATING THE RECEIVER FROM 115/1/60.

CRP-46ADQ SG-T,SG-2S
RADAR RECEIVER:
INPUT: 300/110/240/245/5.2 VOLTS DC AT 55/50/25/7.4/8.2 MA AND 115/6.3 VOLTS, 10. 60 CYCLES AT 0.6/0.9 AMPS AND 65/5.7 WATTS. INPUT IMPEDANCE 50 OHMS. SAME AS -46ABD-3 EXCEPT I.F. CIRCUIT HAS BEEN IMPROVED AND TERMINATIONS ARE 100
4/8/44 RX-1122
APR. 44

CW-46ADY MK 20 MOD 1
RADAR RECEIVER
INPUT: 115 VOLTS, SINGLE PHASE, 400 CYCLES. CONTAINS 3 RECEIVER TUNING CAVITIES AND ASSOCIATED FILAMENT TRANSFORMERS AND FILTERS; 1 PREAMPLIFIER STAGE ONE CONVERTER AND ONE LOCAL OSCILLATOR. SIMILAR TO R-87/TPS-18 EXCEPT
9/23/44 X-66189AT CW:BL-417555
DEC. 44 ISS 1

1/12/44 T-7611455
DEC. 44 SUB 0

CW-46ADL MK 3,4, AND 12
I.F. TO VIDEO CONVERTER:
INPUT: 115/1/60, 90 WATTS. FOR USE IN REDUCING THE INTERFERENCE EFFECTS CAUSED BY RADAR JAMMING SIGNALS.

CRP-46ADQ
OHMS AT 1 MC AND DC.

CW-46ADY
FIRST RF CAVITY IS OMITTED.

1/24/44 D-151867 ESR-596630
APR. 44 ISSUE 1

CG-46ADM OBP
TEST RECEIVER:
PORTABLE, BATTERY OPERATED RECEIVER. INCLUDES ANTENNA AND HEADPHONE.

CLU-46ADR MAS RE13A952
RADIO RECEIVER:
FREQ. RANGE 41 TO 51 MC. (TENT)

CALG-46ADM RDL-1 RE9381A
RADAR RECEIVER
SUPPLY: 80 OR 115 OR 230 VOLTS, 10. 55-65-. CONSISTS OF BUILT-IN POWER SUPPLY, IF TO VIDEO AMPLIFIER AND ONE OF 3 RF TUNING UNITS WHICH ARE REMOVABLE AND INTERCHANGEABLE. ALL MOUNTED IN A ATR RACK ON A SHOCK-MOUNTED CRADLE AND
9/23/44 JOB NO.196
APR. 45 CANCELLED 3/2/45

1/27/44 DL4W110A-G2 T-28J430
APR. 44 REV 1

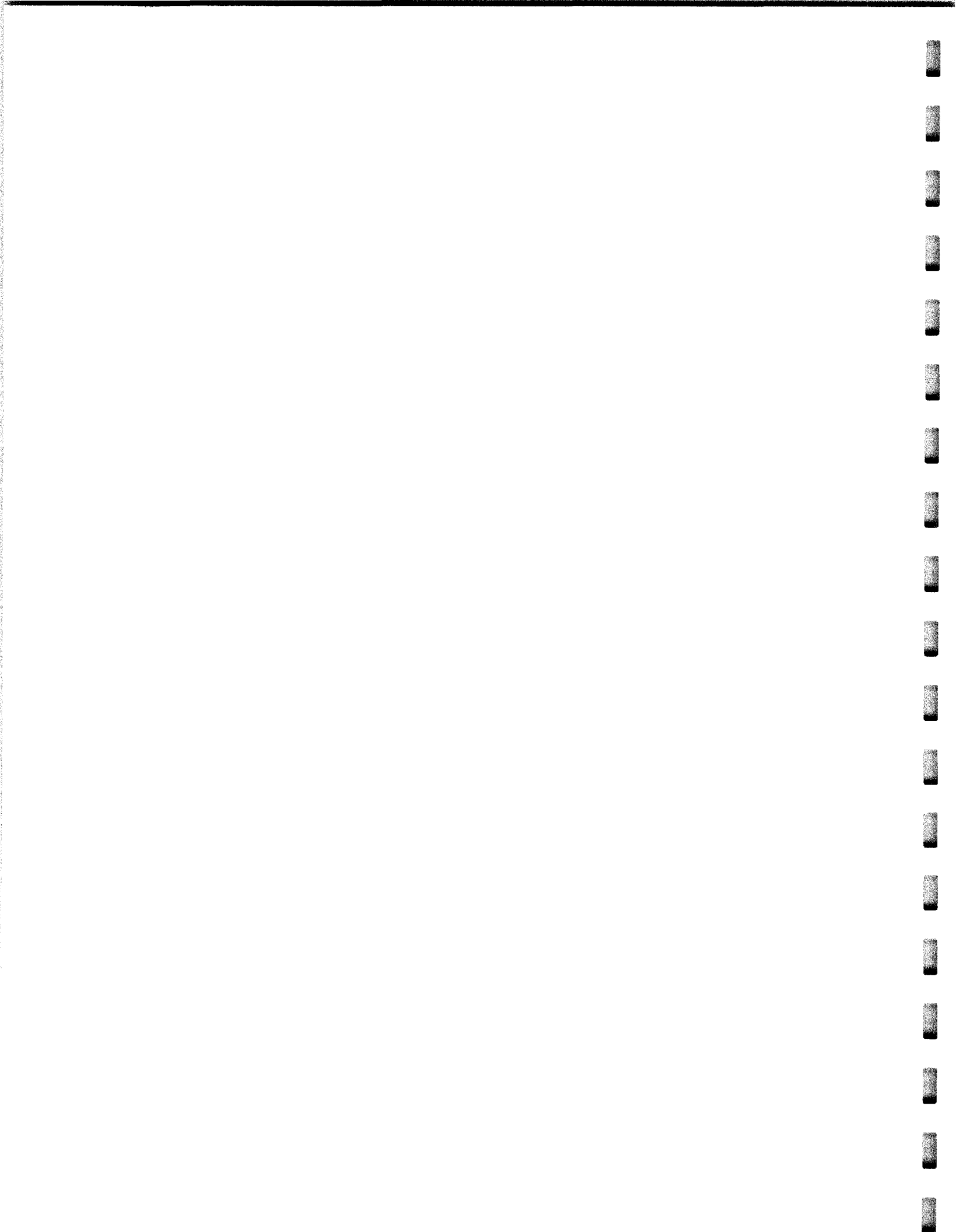
4/26/44
APR. 44

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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Class 46—Receiver Units and Converters

5.46-7

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
		CALG-45 ADW			CLP-46AEB			CAT-46AEG SR-3
		COVERED WITH A LOWERED DUST COVER. AURAL PULSE REPETITION FREQUENCY OF 60 TO 5000 CPS., WITH INDICATION FROM JACK AT FRONT OF PANEL. TRIGGER SENSITIVITY 200 MICROVOLTS OR BETTER OVER ENTIRE FREQUENCY RANGE.			VOLTAGES TO CRYSTAL MIXER ALSO VARIOUS TEST VOLTAGES. IF FREQUENCY; 30 MC. BAND WIDTH 2 MC. RECEIVES, AMPLIFIES AND DETECTS IF SIGNALS FURNISHED BY CRYSTAL MIXER. INCLUDES SELECTION OF SHORT TUNE CONSTANT AND 1AVC. INCLUDES A TYPE -35ACA OR A TYPE -35ACB LOCAL OSCILLATOR.			RADAR RECEIVER CONSISTS OF A 30 MC IF AMPLIFIER FED BY A 50 OHM COAXIAL LINE FROM A TYPE "N" CONNECTOR, FOLLOWED BY A DIODE DETECTOR & A 2 STAGE WIDE BAND VIDEO AMPLIFIER, OUTPUT OF WHICH IS BROUGHT TO A TERMINAL BOARD & TO TYPE "N" CONNECTOR. INCLUDES 5/16/45 MAY 45
		CRV 46ADX SR-2			CG-46AEC MK 36 MOD 1			CAT-46AEG
		RADAR RECEIVER CONSISTS OF A VARIABLE BAND WIDTH 15 MC IF AMPLIFIER, SECOND DETECTOR AND VIDEO AMPLIFIER STAGES WHICH FEEDS INTO TYPE -50AFP VIDEO AMPLIFIER, ANTI JAM CIRCUITS AND CONTROLS AND POWER SUPPLY FOR OPERATING FROM 115/1/60. 11/21/44 FEB. 45			RADAR RECEIVER UNIT MARK 2 MOD 1: INPUTS: +300V 70 MA DC; 6.3V, 4 AMPS, 400-; AUTOMATIC GAIN CONTROL CONNECTING; IF INPUT 30 MC, 75 OHMS. OUTPUT: RECEIVER RADIO OUTPUT, 1000 OHMS. UNIT HAS 6 TUBES IF AMPLIFIER, SECOND DETECTOR, & VIDEO OUTPUT TUBE; HAS 4 1/2 MC 4/12/45 ML7769244 P7769244 APR. 45 REV 2			POWER SUPPLY, LOCAL OSCILLATOR AND SENSITIVITY TIME CONTROL CIRCUIT, PART OF TYPE CAT -43ADL RADAR-TRANSMITTER-RECEIVER CONSOLE.
		CAEY 46ADY P0			CG-46AEC			
		RADAR RELAY RECEIVER SUPPLY: 115/1/60, 1.5 AMPS. SUPERHETERODYNE RECEIVER OPERATING IN RANGE OF 260-360 MC. PROVIDES VIDEO SIGNAL TO REMOTE SHIPBORNE DELAY BOX & DECODER. INCLUDES AVC CIRCUITS AND HAS FOLLOWING AJ FEATURES (1) SHORT TIME CONSTANT (2) IN-12/8/44 FEB. 45			BAND WIDTH.			
		CEAY 46ADY			CW-46AED MARK 12 MOD 1			
		STANTANEOUS AVC (3) DUNK CIRCUIT TO SILENCE RECEIVER WHEN OTHER SHIP RADAR IS TRIGGERED.			RF TO IF CONVERTER USED TO RECEIVE ECHO SIGNALS WITHIN BANK OF 910 TO 980 MC WHICH ARE RECEIVED FROM TYPE -66AFF ANTENNA ASSEMBLY THROUGH DUPLEXING UNIT. CONTAINS 2 STAGES OF R.F. AMPLIFICATION, A BEATING OSCILLATOR & A CONVERTER. SUPPLY: 3 AMPS AT 6.3 VOLTS. 4/17/45 D-150303A 80-60934 MAY 45 ISSUE 1			
		CDE 46ADZ REF			CW-46AED			
		RADAR RECEIVER AND WAVEMETER BROAD BAND RECEIVER WITH ABSORPTION TYPE WAVEMETER FOR MEASURING THE FREQUENCY OF THE INCOMING SIGNAL. FREQUENCY RANGE: CONTINUING OF WAVEMETER OVER THE "S" BAND. OPERATES FROM 115/1/60. RECEIVER HAS SENSITIVITY CONTROL. VIDEO OUTPUT 12/13/44 FEB. 45			60 CYCLES FOR FILAMENTS; PLATE VOLTAGE OF 300V DC AT 30 MA FROM TYPE -20ACE REGULATED RECTIFIER. SAME AS -46ACO ELECTRICALLY BUT HAS UG-15/U PLUGS AND UG-190/U JACKS INSTEAD OF THE HOLMDEL TYPE OF PLUGS & JACKS.			
		CDE 46ADZ			CAQ1-46AEE MBE RE 13A 1036			
		JACK, HEADPHONE JACK, ON-OFF SWITCH, ANTENNA CONNECTOR AND PILOT LAMP. POWER INPUT IS FROM FRONT PANEL, MOUNTED IN ATR RACK. CRYSTAL DETECTOR.			RECEIVER UNIT CONTAINS CIRCUITS CAPABLE OF PROPER DETECTION AND AMPLIFICATION OF SIGNALS WITHIN RANGE OF EQUIPMENT FREQUENCY, A TUNABLE PRESELECTOR FILTER FOR THE ACCURATE DETERMINATION OF SIGNAL FREQUENCY AND THE REJECTION OF UNDESIRE SIGNALS. 4/26/45 MAY 45			
		CRP-46AEA SG-3, SG-4			CAQ1-46AEE			
		RADAR RECEIVER:			AN ADDITIONAL IF STRIP USED TO FACILITATE CONTINUOUS MONITORING OF VICTIM SIGNAL.			
		1/1/45 RX-1103 APR. 45			CRP-46AEF SO-11			
		CLP-46AEB SX			RADAR RECEIVER			
		RADAR RECEIVER: INPUTS: 115/1/60, 90 WATTS APPROXIMATELY: +24V DC, 12 WATTS, +300V DC, 22.5 WATTS, +125V DC, 18.75 WATTS, +75V DC 0.225 WATTS, -300V DC, 1.8 WATTS, -105V DC, 2.625 WATTS. OUTPUT: STANDARD NAVY VIDEO INTO 70 OHM CABLES. LOW 3/20/45 APR. 45			SIMILAR TO CRP-46ADD EXCEPT FOR MOUNTING PROVISION AND ADDITION OF TUBE.			
					5/16/45 MX-5243A M-348-W152 MAY 45			

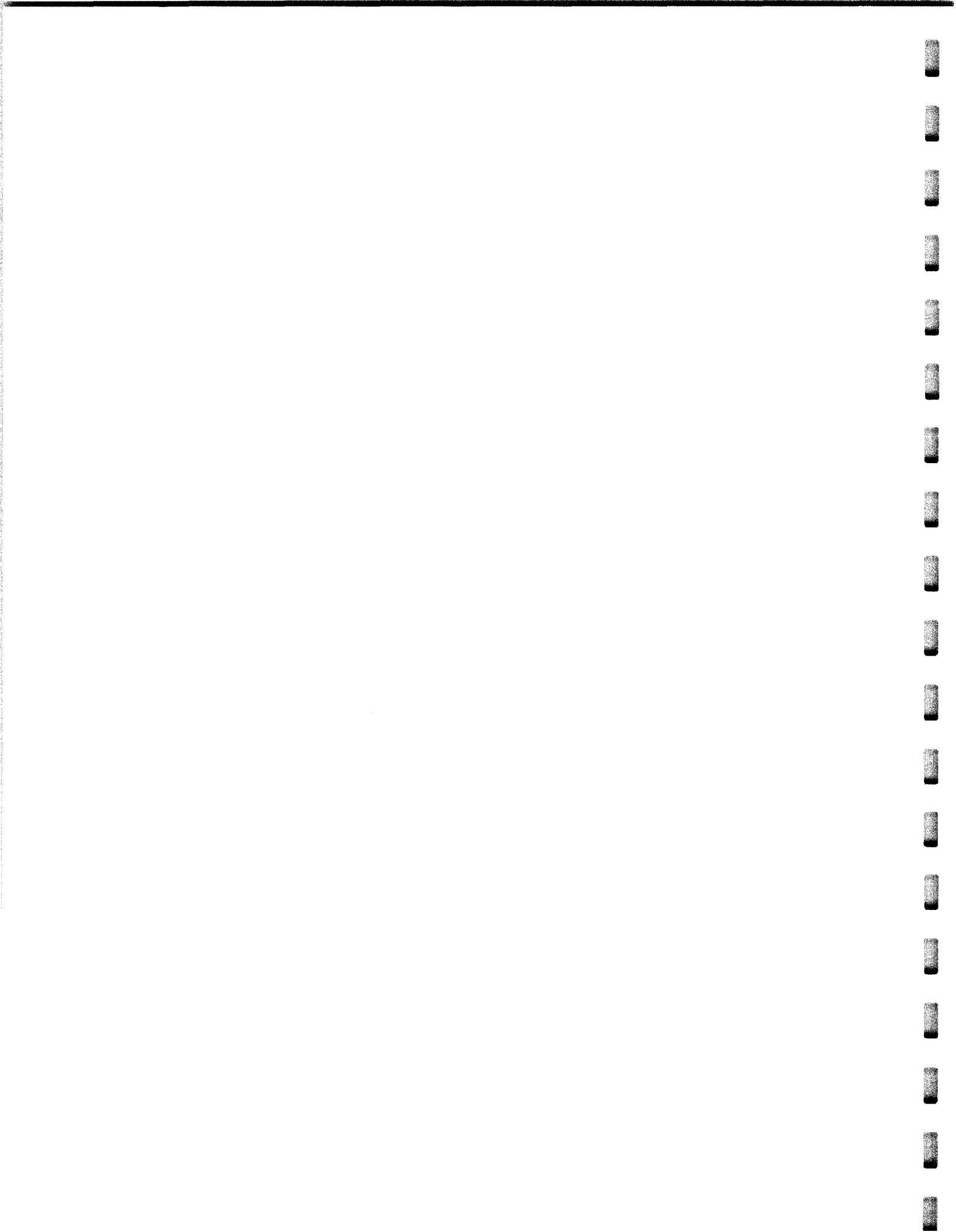


Class 47—R-F Transformers—Inductors—Chokes

CLASS 47

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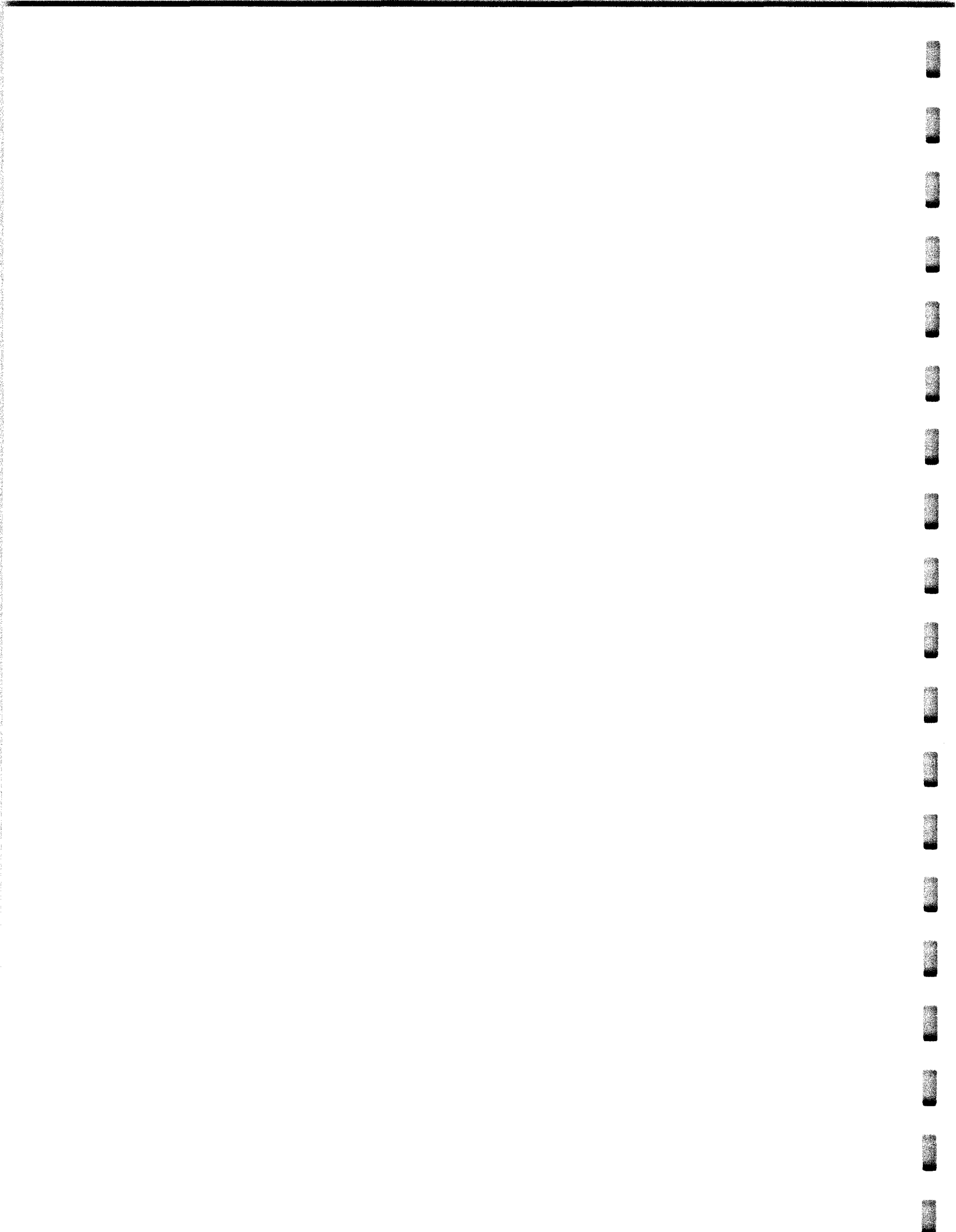
Class 47—R-F Transformers—Inductors—Chokes

5.47-1

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
RA-47AAA XZ			-47AAI			CALG-47AAO RDL-1	RE 9381A	
INDUCTOR UNIT:			NOT TO BE ASSIGNED			RF TUNING UNIT		
						FREQ. RANGE: 70-430 MC IN 2 BANDS (70-250 MC, 250-430 MC). CONSISTS OF RF CAPACITOR WHICH MAKES 2 REVOLUTIONS FOR EACH REVOLUTION OF INDICATOR DIAL, AND FILTERS. ON 1ST REVOLUTION LOW-PASS FILTERS ARE AUTOMATICALLY SELECTED WHICH		
12/19/32						9/29/44		
MAY 44						APR. 45		
CPR-47AAB ARC			CRP 47AAJ SG-1					CALG-47AAO
TUNING UNIT-RANGE A:			WAVE GUIDE ANCHOR SECTION			HAVE MINIMUM ATTENUATION OVER FREQ. RANGE OF 70-250 MC. ON SECOND REVOLUTION HIGH-PASS FILTERS ARE AUTOMATICALLY SELECTED WHICH HAVE MINIMUM ATTENUATION OVER FREQ. RANGE OF 250-430 MC.		
			CANCELLED					
2/10/42			3/9/43					
MAY 44			OCT. 44					
CPR-47AAC ARC			CLQ-47AAK OAO-1			CABV-47AAP OBU-4		
TUNING UNIT-RANGE B:			PICKUP LOOP:			WAVEGUIDE DIRECTIONAL		
			CONSISTS OF (1) PICKUP LOOP, (2) AN AMPHENOL RECEPTACLE, (3) A BLOCK AND CLAMP FOR ATTACHING THE ASSEMBLY TO A 1 5/8" COAXIAL TRANSMISSION LINE.			COUPLER: WAVE SELECTOR FOR 3/8" X 2 3/4" TICKET TUBE WAVEGUIDE ON ONE END AND 1 1/2" X 3" ON OTHER END. NOMINAL COUPLING ATTENUATION: 18db. SIMILAR TO TYPE CABV-47AAP EXCEPT LATTER IS DESIGNED FOR CONNECTION TO 1 1/2" X 3" WAVE		
2/10/42			3/20/43			1/24/45		30765
MAY 44			MAY 44			MAY 45		
CPR-47AAD SG			CUO-47AAL OBU-1	RE13A857B				CABV-47AAP
COAX-WAVE GUIDE COUPLER:			WAVEGUIDE DIRECTIONAL	TYPE 1		GUIDE ON BOTH ENDS.		
INPUT IMPEDANCE 76 OHM; OUTPUT IMPEDANCE			COUPLER: WAVE SELECTOR FOR 2 3/4" X 3/8" WAVEGUIDE (TICKET TUBE). HAS STANDARD COUPLING FLANGE ON ONE END WITH STANDARD CHDAS COUPLING ON THE OTHER END. NOMINAL COUPLING ATTENUATION 20 Db.					
WAVE GUIDE 1 1/2" X 3" X .083" WALL.			4/28/44		CUO:C-435-C			
4/23/42	HX-3896	JVG-74-5042	DEC.44					
MAY 44		SUB 0						
CPR-47AAE ARC-1			CUO-47AAM OBU-2	RE13A857B				
TUNING UNIT RANGE A:			WAVEGUIDE DIRECTIONAL	TYPE 2				
CONTAINS ANTENNA TUNING, LOCAL OSCILLATOR AND MIXER CIRCUIT. ANTENNA AND OSCILLATOR TUNING OBTAINED BY "BUTTERFLY" CIRCUIT.			COUPLER: WAVE SELECTOR FOR 1 1/2" X 3" WAVEGUIDE, ONE END TERMINATED BY A NAVY TYPE -49480 (OR UG-65/U) FLANGE WITH THE OTHER TERMINATED BY -49481 (OR UG-66/U) FLANGE. NOMINAL COUPLING ATTENUATION 27 Db.					
5/26/42 (CPR)PART		5LO-196	4/28/44		CUO:C-443-D			
MAY 44 #358-1375			DEC 44					
CPR-47AAF ARC-1			CABV 47AAN OBU-3	RE 13A357B				
TUNING UNIT RANGE B:			WAVEGUIDE DIRECTIONAL COUPLER	TYPE 2				
IDENTICAL IN MECHANICAL OPERATION AND GANGING TO TYPE CPM-47AAE.			WAVE SELECTOR FOR 1 1/2" X 3" WAVEGUIDE, ONE END TERMINATED BY A NAVY TYPE -49480 (OR UG-65/U) FLANGE WITH THE OTHER TERMINATED BY -49481 (OR UG-66/U) FLANGE. NOMINAL COUPLING ATTENUATION 27 Db. SIMILAR TO -47AAN.					
5/26/42 (CPR)PART		5LO-197	7/28/44	SA-12617	CARY:30525-0			
MAY 44 #358-1376			OCT. 44					
-47AAG BL-6			CABV-47AAN-1	SO,SO-2,SO-13				
VIDEO TRANSFORMER:			WAVEGUIDE DIRECTIONAL					
			COUPLER: WAVE SELECTOR FOR 1 1/2" X 3" WAVEGUIDE, ONE END TERMINATED BY A NAVY TYPE -49480 (OR UG-65/U) FLANGE WITH THE OTHER TERMINATED BY -49481 (OR UG-66/U) FLANGE. NOMINAL COUPLING ATTENUATION 27Db. SAME AS -47AAN EXCEPT					
1/7/43		TR-1025	3/15/45					
DEC.44		REV. B	APR. 45					
CLQ-47AAH OAO								
PICKUP LOOP:								
CONSISTS OF (1) PICKUP LOOP (2) AN AMPHENOL RECEPTACLE (3) A BLOCK AND CLAMP FOR ATTACHING THE ASSEMBLY TO A THREE-INCH COAXIAL TRANSMISSION LINE. COUPLES INDUCTIVELY TO INNER CONDUCTOR.								
2/24/43 (CRV)M-18706		(CRV)M-440294						
MAY 44		SUB 0						
			ASSIGNED			ASSIGNED		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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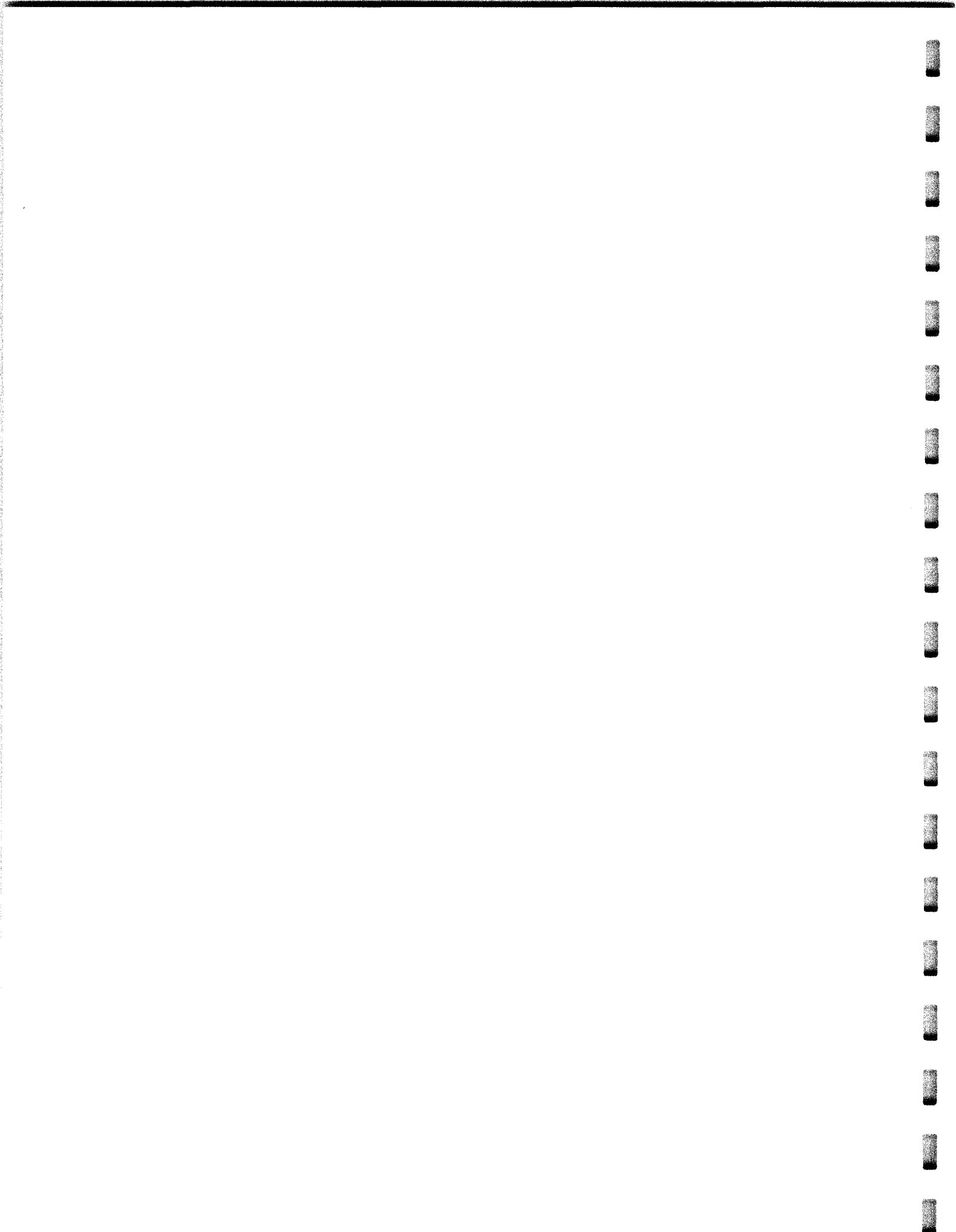


Class 48—Capacitors

CLASS 48

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NAVSHIPS 900,109



Class 48—Capacitors

5.48-1

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
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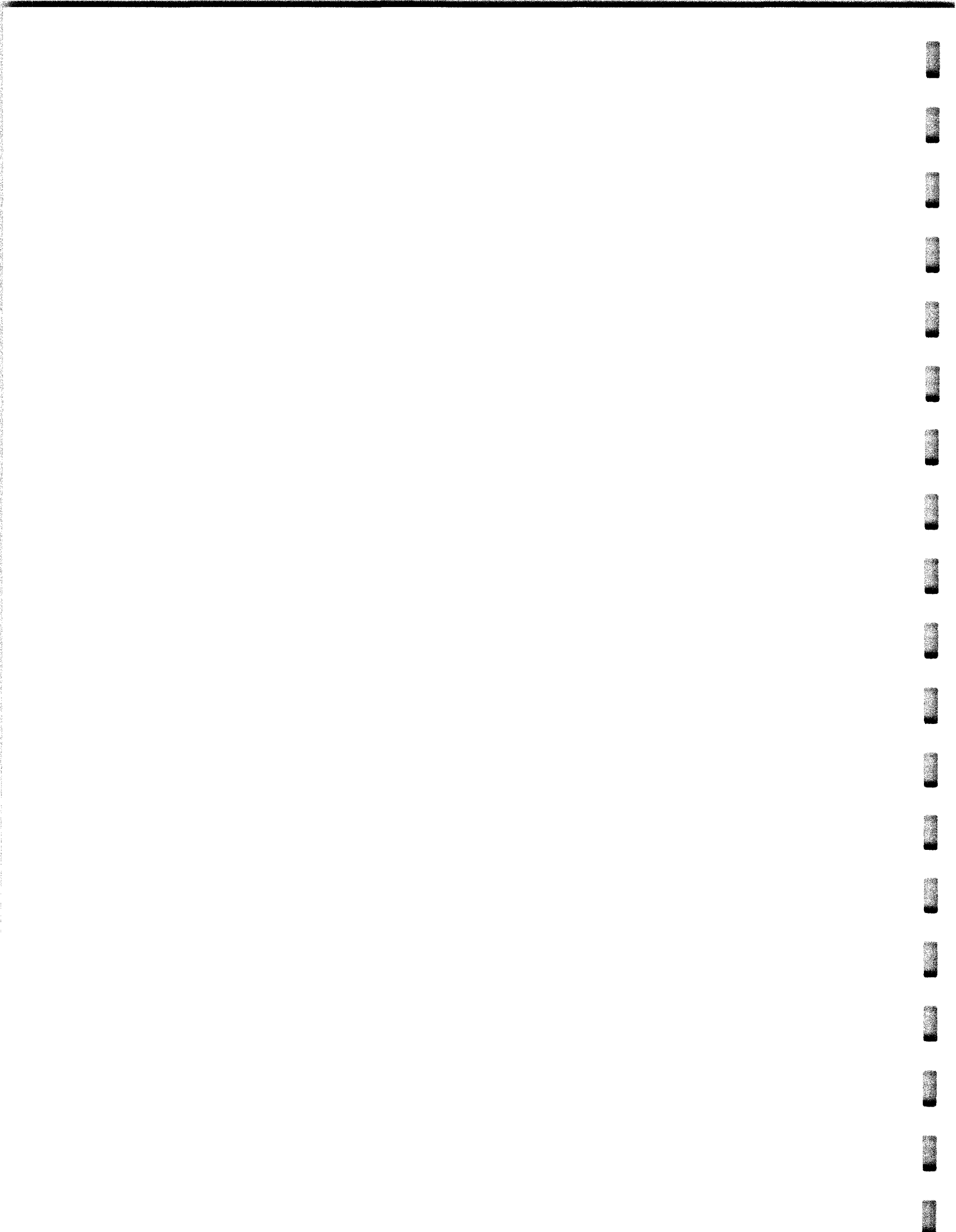
RA-48AAA XZ
 CAPACITOR UNIT:
 85 MMF - 30,000 VOLTS.

12/19/32
 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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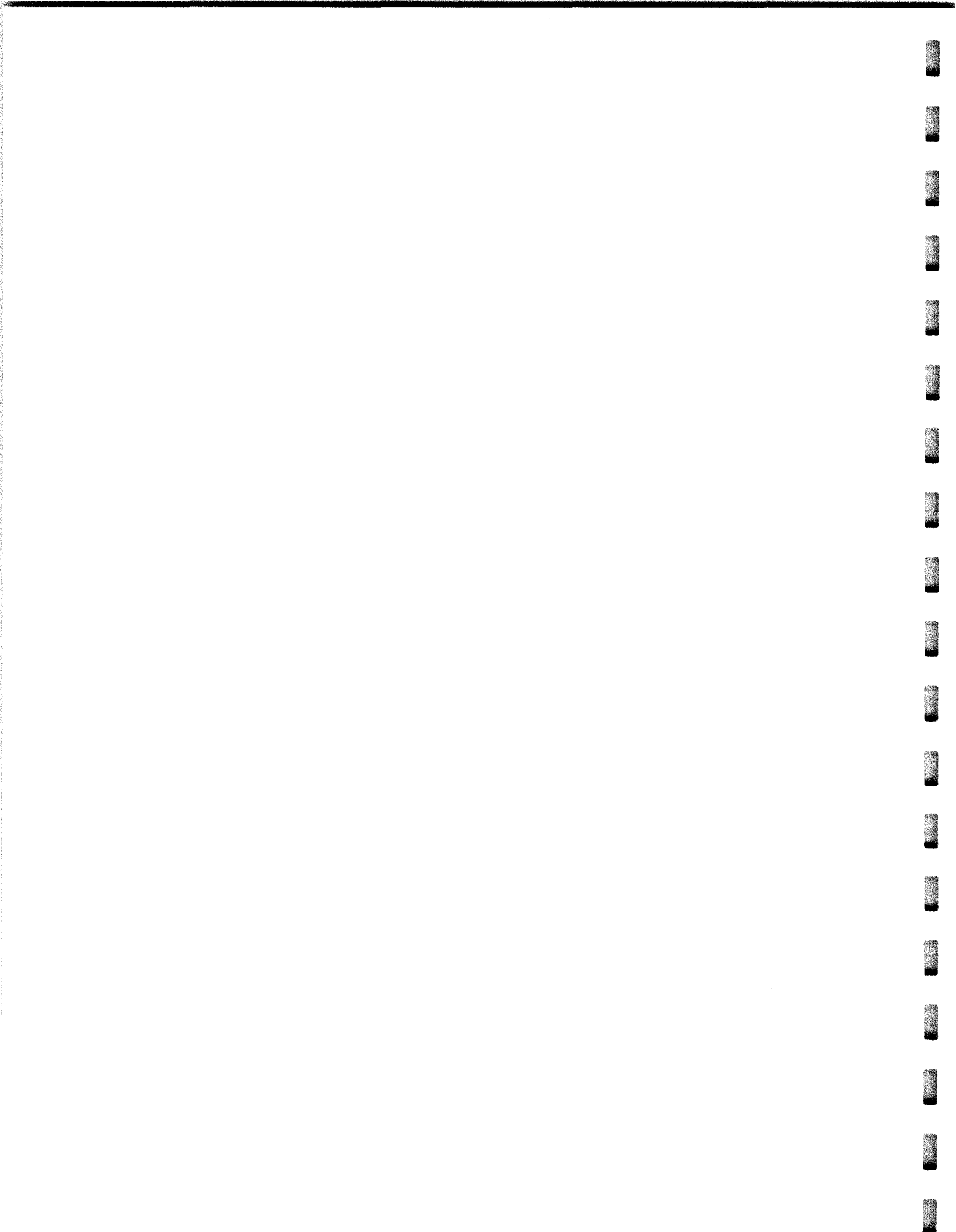


*Class 49—Head Telephones—Cords—Loudspeakers—Plugs—Jacks—
Sockets—Receptacles*

CLASS 49

CONFIDENTIAL

NAVSHIPS 900,109



**Class 49—Head Telephones—Cords—Loudspeakers—Plugs—Jacks—
Sockets—Receptacles**

5.49-1

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
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CW-49AAA UP
 RADIO RECEIVER LINE BAY;
 CONSISTS OF REPEATING COILS, RESISTORS
 AND JACKS AND PROVIDES PROPER COUPLING
 AND EQUALIZATION FOR CONNECTING RADIO
 RECEIVER TO THE LINE TO THE TELEGRAPH
 TERMINAL. INCLUDES 6 TYPE CW-632084 AT-
 TENUATION LINE PADS AND 1 CW-62193 POWER
 1/14/45 H-527-216
 MAR. 45 LIST 1

OUTLET CW-49AAA
 BOX. MOUNTED IN TYPE CW-10456 CABINET.

CRP-49AAB *SEE BELOW
 TRANSMITTER WAVEGUIDE COUPLER;
 AN S_a & S_b BAND COUPLING CONNECTED
 EITHER TO TYPE CRP-66AKF DUMMY ANTENNA
 OR TO A WAVEGUIDE.

*TDY-a & TDY-1a NXsr-81474

2/10/45 AL-30092-D-1 AL-30092-D-74
 MAR. 45 SUB 0

CRP-49AAC *SEE BELOW
 COAX-WAVEGUIDE COUPLER
 CONNECTED TO RECEIVER. ONE END IS CON-
 NECTED TO TYPE -49579 CONNECTOR.

*TDY-a & TDY-1a NXsr-81474

2/10/45 AL-30092-D-69
 MAR. 45 SUB A

CW-49AAD TS-35A/AP
 OSCILLATOR TUBE MOUNTING
 ASSEMBLY: CONSISTS OF A WAVEGUIDE HAV-
 ING A 90° BEND AT ONE END. MOUNTED ON
 THE WAVEGUIDE IS A NAVY TYPE -49471
 VACUUM TUBE SOCKET FOR A 2K25 TUBE EN-
 CLOSED IN A HOUSING HAVING 5 EXTERNAL
 SOLDER TERMINALS AND 2 SHAFTS. ONE SHAFT
 5/10/45 BR-409524 BO-409524
 JUN. 45 ISSUE 6

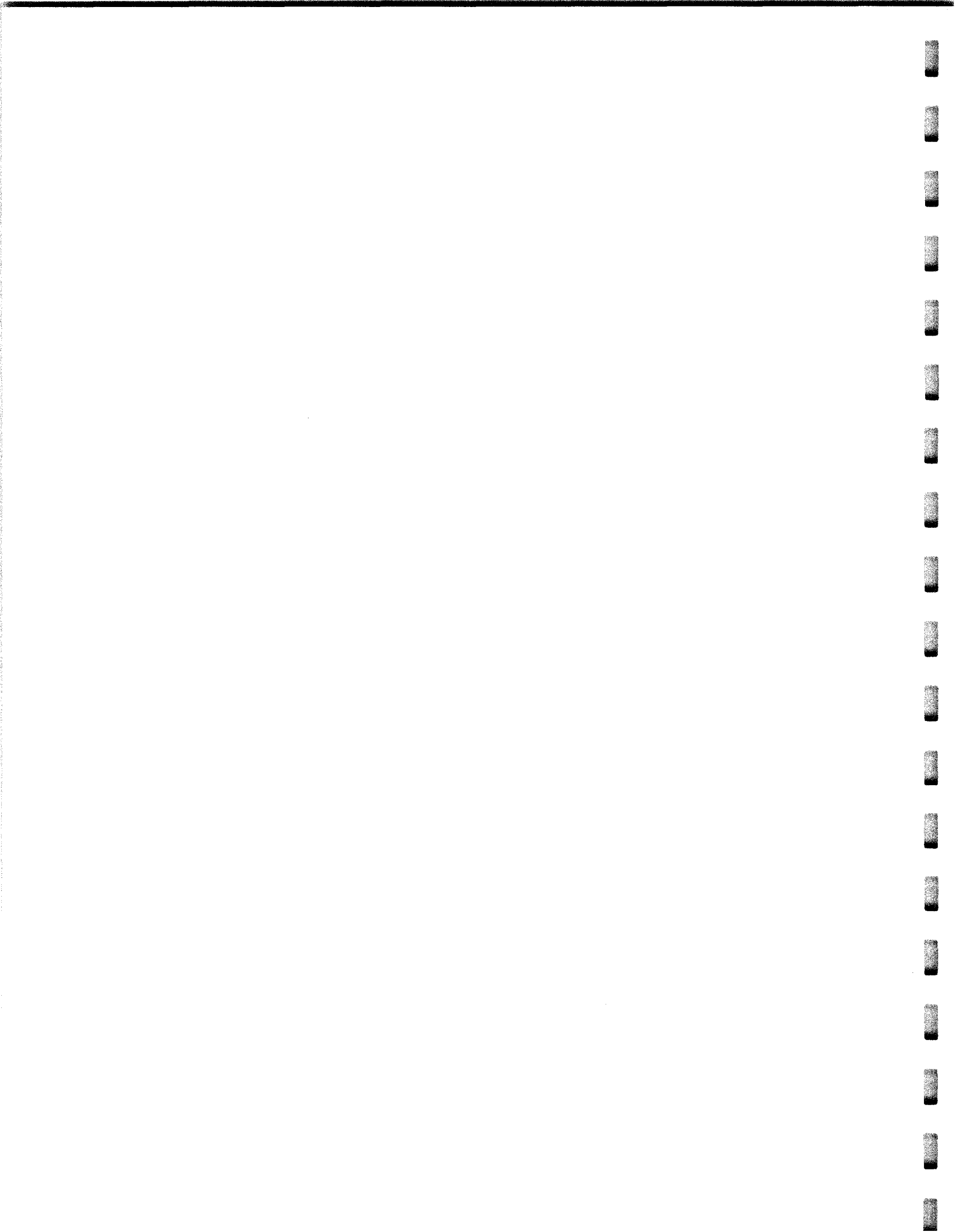
CW-49AAD

IS FOR VARYING TUBE FREQUENCY AND THE
 OTHER FOR VARYING POWER COUPLING BETWEEN
 TUBE OUTPUT AND WAVEGUIDE.

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

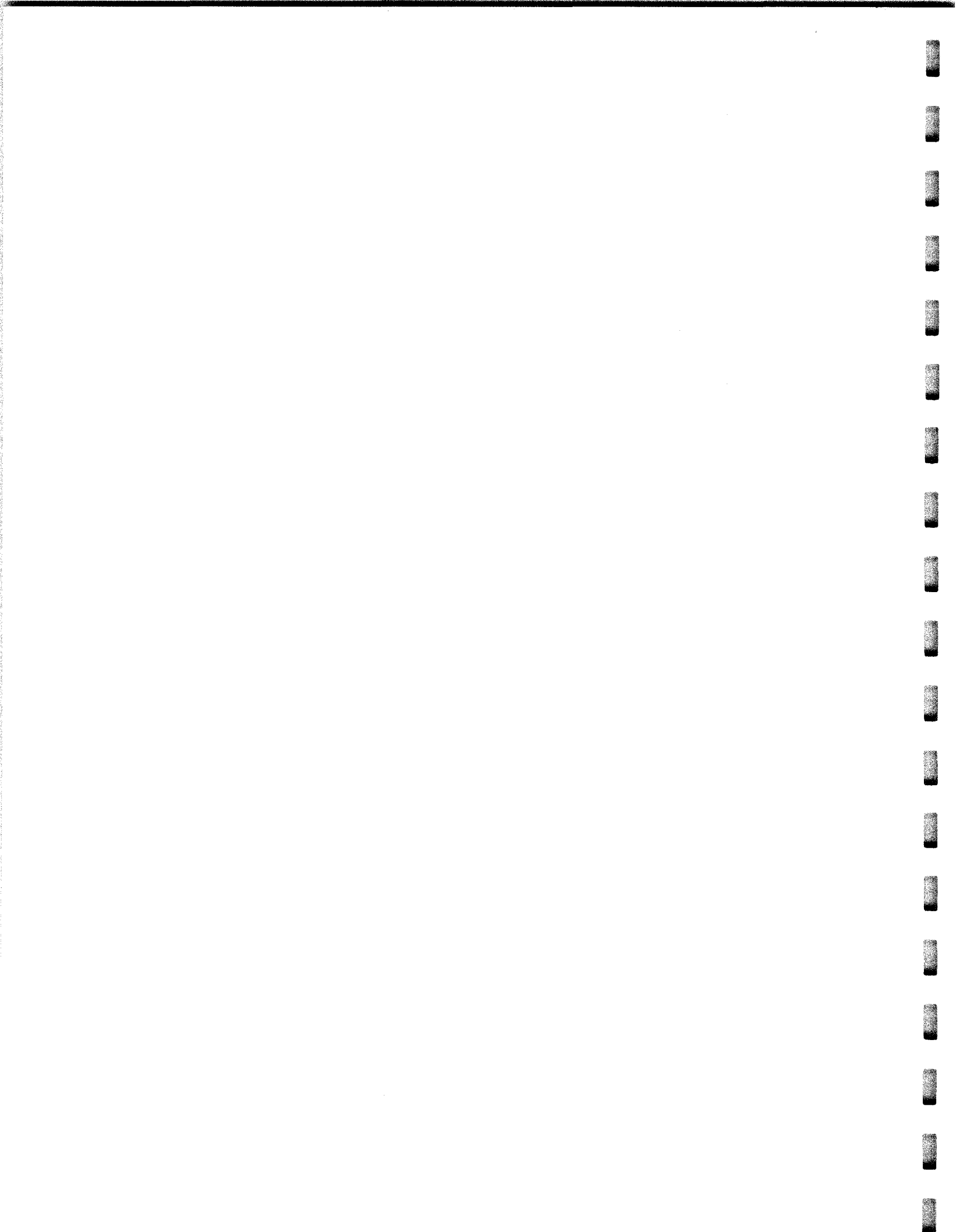


*Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels*

CLASS 50

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NAVSHIPS 900,109



**Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels**

5.50-1.

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
RW-50AAA XM	RE 50F 110		CG-50AAG SC			CG-50AA0		
AMPLIFIER-DIFFERENTIAL LINE: BASED ON WELLS DIFFERENTIAL CIRCUIT.			AMPLIDYNE CONTROL AMPLIFIER: PART OF CG-23AAF OR CG-23AAG CONTROL UNIT.			TYPE 20AAJ. OUTPUT STAGE OBTAINS POWER FROM TRANSMITTER.		
10/20/32 MAY 44			6/24/41 ML-7763624G1 MAY 44					
RW-50AAB XM	RE 50Z 111		CRV-50AAB SD			CG-50AAP SC-1		
AMPLIFIER - AUTOMATIC DIFFERENTIAL: DIVERSITY MIXER AND TONE KEYS. (BASED ON WELLS DIFFERENTIAL CIRCUIT).			DUPLIXING UNIT (AND TRANSMISSION LINE ASSEMBLY): DUPLIXING UNIT TO CONNECT SD AND TBS EQUIPS TO SINGLE PENSCOPE ANTENNA.			DUPLIXING UNIT:		
10/24/32 MAY 44			7/21/41 W-305105 MAY 44			2/13/42 MAY 44		
CM-50AAC FB			CG-50AAJ MARK 5 (EXCXAZ)			CG-50AAQ SC-1		
DUPLIXING PANEL: PART OF CM-43AAC TRANSMITTER-RECEIVER.			DUPLIXING UNIT: RECEIVER PROTECTIVE DEVICE CONNECTING TRANSMITTER AND RECEIVER TO SAME ANTENNA.			DUPLIXING UNIT:		
5/15/41 D150269 MAY 44			11/1/41 ML-7351228 G1 T-662083 MAY 44 REV 1			2/13/42 MAY 44		
CM-50AAD FA			CG-50AAK MARK 5 (EX CXAZ)			CG-50AAR SC-1		
SWEEP CIRCUIT PANEL: PART OF CM-55AAA INDICATOR DESK.			CONTROL AMPLIFIER: AMPLIFIER FOR CG-21AAM AMPLIDYNE. PART OF CG-50AAM. INPUT: .5 AMP. AT 115/1/60.			DUPLIXING UNIT:		
2/25/41 D150187 MAY 44			11/1/41 T-8002375 T-8002375 MAY 44 REV 4			2/13/42 MAY 44		
CM-50AAE FA			CG-50AAL MARK 5 (EX CXAZ)			CG-50AAS SC-1		
DUPLIXING PANEL: PART OF CM-43AAA TRANSMITTER AND RECEIVER PART OF CM-43AAB (FB) TRANSMITTER AND RECEIVER.			CONTROL AMPLIFIER: AMPLIFIER FOR CG-21AAM AMPLIDYNE. PART OF CG-50AAM. INPUT: 115/1/60 AT 1/2 AMP.			DUPLIXING UNIT:		
2/25/41 D150183 MAY 44			11/1/41 T-8002380 T-8002380 MAY 44 REV 2			2/13/42 ML-7662024-G1 MAY 44		
CM-50AAE-1 FA-B			CG-50AAM MARK 5 (EX CXAZ)			CRP-50AAT SG		
DUPLIXING PANEL:			CONTROL AMPLIFIER ASSEMBLY: CONSISTS OF (2) CG-50AAK CONTROL AMP- LIFIER (2) CG-50AAL CONTROL AMPLIFIER. INPUT: 115/1/60 AT 6 AMPS.			CONTROL AMPLIFIER ASSEMBLY: INPUT: 115/1/60 AT .44 AMPS. 33 WATTS AND 65% PF.		
2/16/42 D150185 MAY 44			11/1/41 T-8002383 MAY 44 REV 1			3/16/42 WX-3882 DVG-74-5036 MAY 44 SUB 0		
CM-50AAF FC			CG-50AAN ASA			CRP-50AAT-1 SG		
DUPLIXING PANEL: PART OF CM-43AAC TRANSMITTER AND RECEIVER			ANTENNA SWITCHING UNIT: FREQUENCY: 398 MC. SWITCH RATE: APPROX. 30 CPS. 1800 R.P.M. MINIMUM POWER ATTEN- UATION RATIO: 2500/1. OPERATES FROM 27V DC. 34 WATTS.			CONTROL AMPLIFIER ASSEMBLY: INPUT: (SERVO AMPLIFIER) 115/1/60. 0.5 AMPS. 37.5 WATTS AT 65% PF. (DC SUPPLY SYSTEM) 115/1/60. 3.4 AMPS. 112 WATTS AT 34.2% PF. OUTPUT: 115V DC. 0.225 AMPS. 25.88 WATTS AND 92.0V DC. 0.36 AMPS AND 33.12 WATTS. SAME AS -50AAT EXCEPT AM 10/6/42 WX-3882-A DVG74-5036 MAY 44 SUB 0		
6/9/41 D150270 MAY 44			11/18/41 HI-18105-A3 P720852 MAY 44					
CM-50AAF-1 MK 3 & 4			CG-50AA0 BI-1			CRP-50AAT-1		
DUPLIXING PANEL: THIS UNIT IS THE BASIC UNIT MODIFIED IN THE FIELD SO THAT THE MAIN DUPLXER IS REPLACED BY TYPE -50AEC DUPLIXING UNIT.			MODULATOR UNIT: SUPPLIES KEYING PULSES FOR TRANSMITTER TYPE 62AAP. THESE PULSES SYNCHRONOUS WITH INPUT PULSES. INPUT PULSES FROM 5 TO 40 MICROSECONDS AND FROM 5 TO 50 VOLTS PEAK POTENTIAL ACROSS 70 OHM INPUT IMPED- ANCE. INPUT FROM LDW VOLTAGE RECTIFIER 1/27/42 W-191J540 MAY 44			ELECTROCHEMICAL BRIDGE TYPE RECTIFIER IN ACCORDANCE WITH DRAWING DVG2-5144 SUB 1 HAS BEEN ADDED.		
1/18/44 MAY 44								

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5.50-2

Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels

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-50AAU SD-1 & SD-2
DIPLEXING UNIT:
DIPLEXING UNIT TO PERMIT SIMULTANEOUS OPERATION OF RADAR EQUIPMENT WITH MODEL TBL SERIES COMMUNICATING EQUIPMENT ON A SINGLE PERISCOPE ANTENNA.

3/25/42 NI-18043
MAY 44

CRY-50AXD-1 SD-4
DIPLEXING UNIT:
SAME AS BASIC NUMBER EXCEPT (1) SCALES FOR RECORDING SHORTING BAR SETTINGS ARE ENGRAVED ON BOTH SIDES (2) GROMMET USED WITH WAFER SOCKET IS REPLACED BY VULCANIZED RUBBER RIM.

3/20/43 NI-18043-A T-620682
MAY 44 SUB 3

RA-50AAY XBB
MODULATOR UNIT:
SUPPLY 14 VOLTS DC AND 120 VOLTS 800 CYCLES.

3/26/42
MAY 44

CRY-50AAW SD-B
VIDEO AMPLIFIER:
INPUT: 6.3 VOLTS 0.65 AMPS 4 WATTS DESIGNED TO BE AN ADJUNCT TO THE RECEIVER--INDICATOR TO PROVIDE (1) BETTER FILTERING OF THE LOW VOLTAGE POWER SUPPLY. (2) AN ADDITIONAL STAGE OF VIDEO AMPLIFICATION FOR A SIGNAL FROM AN EXTERNAL RECOGNITION

3/31/42 P-721420
MAY 44 SUB 0

RECEIVER. **CRY-50AAR**

CG-50AAX ASC
CONTROL AMPLIFIER:
MFR'S SPEC. AS DI50545 (ESD-686270 ISSUE 1) (T-5C353)

6/6/42 6C80G1 ESR-749473
MAY 44 ISSUE 1

CRY-50AAY SA
TRAINING CONTROL AMPLIFIER:
OPERATES FROM 115/1/60. 600 WATTS 6 AMPS. EXCITATION FOR VACUUM TUBES FROM TYPE CRY-55ABK TRAIN INDICATOR-CONTROL UNIT. OUTPUT OF VACUUM TUBES 0 TO ±115 VOLTS DC---AMPS TO DRIVE ANTENNA TRAINMOTOR.

4/15/42 M-422484
MAY 44 SUB 0

CRY-50AAY-1 SA-2
TRAINING CONTROL AMPLIFIER:
SAME AS BASIC NUMBER EXCEPT HAS DOOR BRACE ADDED.

1/22/43 NI-18004-A M-422484
MAY 44 SUB 6

CS-50AAZ AIA
INDICATOR AMPLIFIER:
PULSE RATE IS 550 TO 2200 PULSES PER SECON. INPUT: 115 VOLTS 400 TO 3000 CYCLES.

5/7/42 R-5657083
MAY 44

CG-50ABA MK 5 MOD 1
CONTROL AMPLIFIER - FOR PHASE SHIFTER MOTOR:
FOR DRIVING PHASE SHIFTER MOTOR ACCORDING TO AUTOMATIC RANGE TRACKING INFORMATION.

5/27/42
MAY 44

CG-50ABB MK 5 MOD 1
CONTROL AMPLIFIER - FOR ELEVATION AND TRAIN MOTOR:
TWO OF THESE ARE USED IN THE EQUIPMENT. EACH CONTAINS A MOTOR, RUNNING FROM THE AMPLIFIER OUTPUT WHICH DRIVES A DIFFERENTIAL SYNCHROUS TRANSMITTING GENERATOR THE LATTER IN TURN CONTROL THE ELEVATION

5/27/42
MAY 44

CG-50ABB
AND TRAIN DRIVE OF THE DIRECTOR IN ACCORDANCE WITH THE AUTOMATIC INFORMATION.

RA-50ABC X-ARD
AMPLIFIER:
BANDWIDTH. 30 TO 125 KC. INPUT: 225 VOLTS DC 43 Ma. 6.3 VOLTS AC OR DC. 3.75 AMPS. AMPLIFIES POSITIVE PULSE SIGNALS RECEIVED FROM NAVY TYPE RA-66ACS ANTENNA AND DETECTOR ASSEMBLY AND CONVERTS SIGNAL FOR VISUAL AND AUDIO DETECTION. 600 OHM

6/3/42 FIG 2
MAY 44

AUDIO OUTPUT. **RA-50ABC**

RA-50ABO (X-ARD)
DEMODULATOR:
INCLUDES INTEGRAL STUB ANTENNA. DESIGN CHANGED. THIS ITEM NOT USED IN THE EQUIPMENT. (A PART OF TYPE -66ACJ ANTENNA ASSEMBLY).

6/3/42
MAY 44

CRY-50ABE MARK 6 RADAR
DELTA R FOLLOW UP AMPLIFIER:
INPUT SIGNAL RECEIVED FROM A RANGE RATE SYNCHRO GENERATOR IN THE COMPUTER AND ITS OUTPUT DRIVES THE DELTA R MOTOR LOCATED ON THE DELTA R CORRECTOR. INCLUDES INTEGRAL THERMIONIC RECTIFIER OPERATING FROM 117/1/60, 2 AMP. HOUSED IN TYPE

7/11/42
MAY 44

CRY-50ABE
CRY-23ACL MAIN CONTROL ASSEMBLY.

CRY-50ABF MARK 6 RADAR
DELTA R CORRECTOR AMPLIFIER:
INPUT SIGNAL IS RECEIVED FROM THE RANGE PEAK RECTIFIER IN THE MODULATION GENERATOR AND ITS OUTPUT DRIVES THE MAIN MOTOR ON THE DELTA R CORRECTOR. INCLUDES INTEGRAL THERMIONIC RECTIFIER OPERATING FROM 117/1/60, 2 AMP. HOUSED IN TYPE

7/11/42
MAY 44

CRY-50ABF
CRY-23ACL MAIN CONTROL ASSEMBLY.

CRY-50ABG MARK 6 RADAR
RADAR RANGE RATE AMPLIFIER:
INPUT SIGNAL IS PROVIDED BY A TACHOMETER LOCATED ON THE DELTA R CORRECTOR. THIS DC VOLTAGE IS CONVERTED AND AMPLIFIED TO A 60 CYCLE SINE WAVE WHICH DRIVES A SERVO MOTOR SYSTEM WHICH IN TURN DRIVES A SYNCHRO GENERATOR THAT FEEDS RANGE RATE

7/11/42
MAY 44

CRY-50ABG
SIGNAL TO THE COMPUTER. INCLUDES INTEGRAL THERMIONIC RECTIFIER OPERATING FROM 117/1/60, 2AMP. HOUSED IN TYPE CRY-23ACL MAIN CONTROL ASSEMBLY.

CW-50ABH RADAR MARK 3 & 4
AUTOMATIC GAIN CONTROL UNIT:
OPERATES WITH CW-46AAC RADIO RECEIVER. INPUT 115 VOLTS. 60-60 WATTS AND 50 MA AT 250V DC. FUNCTIONS TO REDUCE FLUCTUATIONS IN SIGNAL AMPLITUDE AND TO LIMIT SIGNAL AMPLITUDE TO A VALUE BELOW THAT PRODUCES SATURATION. OUTPUT IS IN

7/15/42 D-150737
MAY 44

CW-50ABH
FORM OF VARIABLE DC VOLTAGE FOR USE AS PLATE AND SCREEN VOLTAGE FOR I.F. AMPLIFIERS OF THE RECEIVER.

CRY-50ABJ MARK 6 RADAR
PREAMPLIFIER FOR DELTA A AND DELTA B CORRECTOR AMPLIFIERS:
THIS UNIT CONTAINS A MOTOR DRIVEN SWITCH FOR SEPARATING THE RIGHT, LEFT, UP AND DOWN SIGNALS AND CONVERTS THESE SIGNALS TO DC FOR CONTROLLING. THE TYPES CRY-50ABK DELTA A CORRECTOR AMPLIFIER AN

7/16/42
MAY 44

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**Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels**

5.50-3

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		
CRV-50ABL DELTA B CORRECTOR AMPLIFIER. HOUSED IN TYPE CRV-23ACL MAIN CONTROL ASSEMBLY.		CRV-50ABJ	CS-50ABQ	CONTINUOUS. 1600 TO 3000 INTERMITTENT. AND 24 VOLTS DC AT 2.0 AMPS.		RA-50ABT GEN. RADAR MODULATOR UNIT:				
							9/5/42 MAY 44			
CRV-50ABK MARK 6 RADAR DELTA A CORRECTOR AMPLIFIER: CONVERTS THE DC UP AND DOWN SIGNALS FROM THE TYPE CRV-50ABJ PREAMPLIFIER INTO AN AMPLIFIED 60 CYCLE SIGNAL FOR DRIVING THE ELEVATION MOTOR. INCLUDES A DIFFERENTIAL SYNCHRO GENERATOR FOR FEEDING SIGNAL TO THE ELEVATION MOTORS IN THE DIRECTOR.		CRV-50ABK	CG-50ABP ASC-1 CONTROL AMPLIFIER: SAME AS CG-50AAX EXCEPT IS MORE COMPACT.			CRP-50ABU CXBX. 50 MODULATOR: CHARGING CIRCUIT CONSISTS OF THE SECONDARY OF A CHARGING TRANSFORMER A PULSE LINE AND SYNCHRONOUS SPARK GAP. THE TRANSFORMER STEPS 115 VOLTS. 400 CYCLES UP TO 8000 VOLTS. 400 CYCLES. THE PULSE LINE IS DESIGNED TO PRODUCE A ONE MICRO-				
7/16/42 MAY 44			8/12/42 MAY 44			11/11/42 WX-5124 DIS-11 7/7/42 MAY 44 M-30-W49 SUB B				
OPERATES FROM 117/1/60. 2 AMP. HOUSED IN TYPE CRV-23ACL MAIN CONTROL ASSEMBLY.		CRV-50ABK	CM-50ABQ ASC-1 PLAN REPEATER INDICATOR PREAMPLIFIER: VIDEO AMPLIFIER 0 TO 0.9MC 20 DB GAIN. INPUT: 6.3/1/400-26.0V DC-300V DC -500V DC. AT 3200-880-25-90 MA AND 20-23-7.5-45 WATTS. OUTPUT: 6.3/1/400-26V DC. AT 1080-880 MA. AND 6.8-23 WATTS.			CRP-50ABW SECOND PULSE AND ACTS AS A CAPACITOR DURING CHARGING PERIOD. THE THREE ROTARY ELECTRODES OF THE GAP ARE SPACED 120° APART AND PHASED FOR BREAKDOWN AT THE PEAK OF EACH POSITIVE CHARGING CYCLES. THUS ALLOWING THE PULSE LINE TO DISCHARGE.				
			8/12/42 D-150805 ESXX-693574 MAY 44							
CRV-50ABL MARK 6 RADAR DELTA B CORRECTOR AMPLIFIER: CONVERTS THE DC RIGHT AND LEFT SIGNALS FROM THE TYPE CRV-50ABJ PREAMPLIFIER INTO AN AMPLIFIED 60 CYCLE SIGNAL FOR DRIVING THE TRAIN MOTOR. INCLUDES A DIFFERENTIAL SYNCHRO GENERATOR FOR FEEDING SIGNAL TO THE TRAIN MOTOR IN THE DIRECTOR.		CRV-50ABL	CPR-50ABR ASG.ASG-1 I.F. AMPLIFIER: FIXED TUNED AT 30 MC. INPUT SIGNAL RECEIVED FROM THE RF TO IF CONVERTER AND VIDEO OUTPUT IS APPLIED TO THE INDICATOR CATHODE RAY TUBE GRID AND THE "A" SCOPE. OUTPUT PULSE IS OF POSITIVE POLARITY. POWER INPUT: 200V DC. 37 MA. 7.4 WATTS;			-50ABY MARK 11 MODULATOR: (TIMING PULSE COMES FROM CONTROL-INDICATOR. PULSE DURATION: 0.5 MICROSECOND PULSE RATE 600CPS. PEAK POWER 160 KW.) INPUT: 110/1/6C. 1.65 AMP. 154 WATTS; 10,000 VDC AT 0.0085 AMP; 1400V DC AT 11/27/42 (CRV)MI-18073 *SEE ABOVE MAY 44 (CG)4HP2A1				
7/16/42 MAY 44			8/14/42 SLO-183 MAY 44							
OPERATES FROM 117/1/60. 2 AMP. HOUSED IN TYPE CRV-23ACL MAIN CONTROL ASSEMBLY.		CRV-50ABL	CPR-50ABR 105V DC 50 MA. 5.25 WATTS; AND 6.3 VOLTS. 400 TO 1600 CYCLES. 4 AMPS. 25.2 WATTS.			0.0075 AMP; AND 600V DC AT 0.0035 AMP. (OUTPUT: 2900V DC AT 55AMP PEAK, 48 WATTS).				
CG-50ABM SC. SC-1, SC-2 PRE-AMPLIFIER: INPUT: 115/1/60. 0.25 AMPS. 28 WATTS. CONSISTS OF TWO STAGES OF AIRCAPACITOR TUNED RF AMPLIFICATION. TUNABLE FROM FRONT PANEL BY TWO VERNIER DIALS. SAME AS -50ADC EXCEPT FOR VOLTAGE INPUT AND SAME AS -50ADH EXCEPT FOR FREQUENCY RANGE		CG-50ABM	CPR-50ABR-1 ASG-3 I.F. AMPLIFIER: ELECTRICALLY AND MECHANICALLY INTER-CHANGEABLE WITH -50ABR. SAME AS -50ABR EXCEPT FOR SLIGHT CIRCUIT CHANGES (RESISTOR VALUES, ETC).			-50ABY-1 MARK 26 MODS 1 & 2 MODULATOR: SAME AS -50ABY EXCEPT THE THICKNESS OF THE INTERCONNECTING JACK BOARDS HAS BEEN INCREASED FROM 1/4" TO 3/8".				
7/16/42 DL4W-156A M-7468300 MAY 44 REV 1			1/23/43 MAY 44			9/23/43 (CRV)MI-18073A (CRV)P-727218-1 MAY 44 (CG) SUB 0				
CG-50ABM SC-2 CONTROL AMPLIFIER: FOR CONTROL OF TYPE CG-21ABU. A PART OF TYPE CG-23ACD TRAIN INDICATOR CONTROL UNIT. SIMILAR TO TYPE 50AAG. INPUT: 115/1/60. 0.55 AMPS. 60 WATTS. OUTPUT: 20/20 MA RECTIFIED AC.		CG-50ABM	CTZ-50ABS BL SERIES DUPLEXING UNIT: PERMITS THE USE OF THE RADIO RECEIVER AND RADIO TRANSMITTER FROM THE SAME ANTENNA.			CND 50ABW ARD-1 AMPLIFIER THIS IS THE PRODUCTION EQUIPT. OF RA-50ABC INPUT: 6.3 VOLTS. 3.75 AMPS AC OR DC AND 150 TO 225 VOLTS DC AT 45 MA. REPETITION NOTES ARE DETERMINED BY READING 0 TO 1.0 MILLIAMETER AND REFERRING TO CALIBRATION CHART.				
7/16/42 ML-7763624-G4 P-7763624 MAY 44 REV 9			8/26/42 MA-1051 MAY 44			12/1/42 FA4-WJ4 ID4-1.-2 JUN. 44 REV 0				
CS-50ABD ASD INDICATOR AMPLIFIER: INCLUDES: BLOCKING OSCILLATOR. MAIN GATE. A VERTICAL SNEEP CIRCUIT AND AMPLIFIER. A MARKER GENERATOR. VIDEO INPUT. CATHODE RAY TUBE GATE. AND LOW AND HIGH VOLTAGE SUPPLIES. INPUT: 6.3 VOLTS. 400 TO 3000 CYCLES.		CS-50ABD	CTZ-50ABS-1 BL SERIES DUPLEXING UNIT: PERMITS THE USE OF THE RADIO RECEIVER AND RADIO TRANSMITTER FROM THE SAME ANTENNA. SAME AS -50ABS EXCEPT HAS TERMINAL ON TOP FOR MOUNTING.			CRP 50ABX ACCESSORY FOR SG ADAPTOR FOR REMOTE PLAN POSITION INDICATOR: OPERATES FROM 115/1/60. INSTALLED BETWEEN SG AND PLAN REPEATER INDICATOR. TRANSFORMERS POSITIVE GATE FEED TO SG INDICATOR INIO TRIGGER WHICH FEEDS 470 OHM TRANSMISSION LINES THROUGH 4 CATHODE FOLLOWERS. LIMITS				
7/16/42 R-65700Y R-657057-C JUN. 44			3/11/43 MA-1168 MAY 44			12/3/42 WX-4075 DVG74-5050 DEC. 44 SUB I				
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5.50-4

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Converters—Mixing Panels

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CRP-50ABX			CFM 50ACC SM			CG-50ACL SM		
VIDEO SIGNALS, MIXES THEM WITH TFF SIGNALS AND FEEDS RESULTING SIGNALS TO 470 OHM TRANSMISSION LINES THROUGH 4 CATHODE FOLLOWERS.			AMPLIFIER PART OF TYPE -52ACC RADAR TRANSMITTER. USED TO MEASURE STANDING WAVES AND RELATIVE POWER. APPROX. WEIGHT 25 POUNDS.			CONTROL AMPLIFIER (FOR ELEVATION OR HELICAL SCAN):		
			2/8/43 MODEL 25 JUN. 44		P-7765896 REV 0	3/29/43 T-8601364 JUN. 44		M-8640696 REV 0
CRP-50ABX-1 ACCESSORY FOR SG ADAPTER FOR REMOTE PLAM POSITION INDICATOR; OPERATES FROM 115/1/60. SAME AS CRP-50ABX EXCEPT: (1) WDEO CIRCUIT BAND WIDTH INCREASED TO 1 MC; (2) VIDEO CIRCUIT SENSITIVITY IMPROVED; (3) VIDEO CIRCUIT LIMITING IMPROVED; (4) TRIGGER OUTPUT INCREASED TO 8/2/44 RX-1279 OCT. 44		X74-5061 SUB 1	CM-50ACD MK-19			CG-50ACH SM		
			OSCILLATOR-AMPLIFIER CONSISTS OF LOCAL OSCILLATOR AND A TWO STAGE IF AMPLIFIER.			CONTROL AMPLIFIER ASSEMBLY FOR STABLE ELEMENT & DECK TILT CORRECTOR: CONSISTS OF ONE -50ACH AND 2-50ACD.		
			3/5/43 D-151416 JUN. 44			3/29/43 DLM-8095618 JUN. 44		T-8601650 REV 0
CRP-50ABX-1			CM-50ACE MK 19			CG-50ACM SM		
30 VOLTS REQUIRING ADDITION OF TWO DUAL PULSE TRANSFORMERS; (5) INTERLOCK REMOVED-NOT REQUIRED.			MODULATION AMPLIFIER			CONTROL AMPLIFIER (FOR RELATIVE SCANNER BEARING):		
			3/5/43 D-151436 JUN. 44			3/29/43 T-8601652G1 JUN. 44		T-8601652 REV 3 T-8601653 REV 1
CPR 50ABY OAK			CG-50ACF SM			CG-50ACO SM		
RECTIFIER-AMPLIFIER			PPI SWEEP UNIT			CONTROL AMPLIFIER (FOR LEVEL OR CROSS-LEVEL)		
12/9/42 JUN. 42			3/16/43 DLM181A JUN. 44		M-192639 REV 1	3/29/43 T-8601654G1 JUN. 44		T-8601654 REV 3 T-8601655 REV 2
CPR 50ABZ	CRP-55A00		CG-50ACG SM			CM-50ACP MK 12		
REPEATER INDICATOR AMPLIFIER			CONVERSION UNIT			POWER - AMPLIFIER ASSEMBLY (RADAR UNIT ASSEMBLY MARK 1 MOD 0): CONSISTS OF ONE TYPE -23ADP POWER CONTROL UNIT, ONE TYPE -46ACP RECEIVER CIRCUIT UNIT, ONE TYPE -50ACQ INDICATOR CIRCUIT UNIT, AND ONE TYPE -50ACR RANGE CORRECTION UNIT. (SEE TM FILES)		
1/5/43 JUN. 44	SK-0765 12-14-42		3/29/43 M-8640090 JUN. 44		T-8253922 REV 0	3/31/45 D-150921 APR. 45		BR-11289 ISSUE 1
CM-50ACA SL			CG-50ACH SM			CM-50ACQ MK 12		
MODULATOR			CONTROL AMPLIFIER ASSEMBLY FOR PEDESTAL: CONSISTS OF ONE -50ACJ, AND -50ACK AND TWO 50ACL.			INDICATOR CIRCUIT UNIT (RADAR AMPLIFIER (INDICATOR) MK 9 MOD 0) SEE TM FILES		
1/12/43 D-150611 JUN. 44	ESR-696996 ISSUE 2		3/29/43 DL-8026981G1 JUN. 44		T-8601368 REV 0	3/31/43 D-150911 APR. 45		BR-11292 ISSUE 1
CM-50ACA-1 SL-a			CG-50ACJ SM			CM-50ACR MK 12		
MODULATOR SAME AS -50ACA EXCEPT FOR MINOR INTERNAL WIRING AND CIRCUIT CHANGES.			CONTROL AMPLIFIER (FOR AZIMUTH):			RANGE CORRECTION UNIT (RADAR RANGE UNIT (CORRECTION) MK 12 MOD 0): SEE TM FILES		
			CANCELLED 1/9/44					
12/8/43 JUN. 44			3/29/43 T-8601362 JUN. 44		M-8640696 REV 0	3/31/43 D-150912 APR. 45		BR-11293 ISSUE 1
CPR 50ACB ASG-3			CG-50ACK SM			CM-50ACS MK 12		
IF PREAMPLIFIER CONSISTS OF A TWO STAGE AMPLIFIER (AT 30MC). PART OF -35AAN.			CONTROL AMPLIFIER (FOR CROSS LEVEL):			MODULATOR		
1/23/43 JUN. 44			3/29/43 T-8601363 JUN. 44		M-8640696 REV 0	3/31/43 D-150914 JUN. 44		BR-11297 ISSUE 1

**Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels**

5.50-5

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
CS 50ACT MK 12 CFN INDICATOR AMPLIFIER SIMILAR TO -50AB0 EXCEPT (1) LOWER 400 CYCLE POWER REQUIREMENTS (2) RF 6000 VOLT POWER SUPPLY REPLACED BY 400 CYCLE RECTIFIED 4500 VOLT POWER SUPPLY. (3) SINGLE ENDED SWEEP DRIVERS REPLACED BY 4/5/43 R-657009-B R-657057-C JUN. 44			CW-50ACY-1 MK 18 MOD 1 AMPLIFIER AND RECTIFIER SAME AS TYPE -50ACN EXCEPT RECTIFIER ADDED IN FIELD TO ENABLE OPERATION WITH TYPE -43ACA. 7/26/43 D-151791 JUN. 44			CRP50ADD OF CARBON PILE VOLTAGE REGULATOR. AND DC CHARGING INSTEAD OF AC CHARGING.		
CS 50ACT CFN PUSH-PULL SWEEP DRIVERS (4) WILL HAVE A WIDER VIDEO CHANNEL.			CHZ 50ACZ BM & B0 MODULATOR-MONITOR CONSISTS OF A MODULATOR, RESONATOR, SWEEP GENERATOR OSCILLOSCOPE, AND HIGH VOLTAGE POWER SUPPLY INPUT 115/1/50 TO 60. MAY BE USED WITH EITHER A TYPE -35AA1 OR -35AAX POWER OSCILLATOR. 6/21/43 JUN. 44			CHZ 50ADE BM DUPLIXING UNIT INCLUDES DUPLIXING UNIT, REFERENCE OSCILLATOR, COOLING FAN, FREQUENCY DIVIDER, AND LOBE SWITCHING JUNCTION BOX. INPUT: 115/1/50 TO 60, 4.5 AMPS, 420 WATTS. OUTPUT: 115/1/50 TO 60, 3.7 AMPS, 365 WATTS. NO DIRECT INDICATION OF FREQUENCY. 7/12/43 BM DUPLIXING JUN. 44 UNIT		
CDU 50ACV *SEE BELOW BEARING AMPLIFIER-CONVERTER ALSO, INCLUDES NAVY TYPES CDU-21ACQ MOTOR ASSEMBLY AND CDU-50AEF AMPLIFIER. *ACCESSORY FOR SA, SA-1, SA-2 4/24/43 NI-18061 M-440344 JUN. 44 SUB G			50ADA *SEE BELOW ANTI-JAM ADAPTOR SUPPLY: 110 TO 120/1/60. NOT TO EXCEED 60 WATTS. CONSISTS OF ONE UNIT WITH BUILT-IN POWER SUPPLY, CONTAINING IF AMPLIFIER, DETECTOR AND VIDEO AMPLIFIER ALONG WITH ANTI-JAM FEATURES. USED TO *ACCESSORY MARK 3 & MARK 4 6/23/43 JUN. 44			CHZ50ADE FREQUENCY. SIMILAR TO TYPE -50ADF EXCEPT HAS ADDITIONAL UNIT (FREQUENCY DIVIDER) AND DIFFERENT JUNCTION BOX.		
CHZ 50ACT B0 DUPLIXING UNIT CANCELLED 5/4/43 JAN. 45			50ADA REDUCE EFFECT OF JAMMING ON MARK 3 & MARK 4.			CHZ 50ADF B0 DUPLIXING UNIT INCLUDES DUPLIXING UNIT, REFERENCE OSCILLATOR, COOLING FAN, AND JUNCTION BOX. INPUT: 115/1/50 TO 60, 4.3 AMPS, 400 WATTS. OUTPUT: 115/1/50 TO 60, 3.7 AMPS 365 WATTS. NO DIRECT INDICATION OF FREQUENCY. SIMILAR TO TYPE -50ADE EXCEPT 7/12/43 B0 DUPLIXING JUN. 44 UNIT		
CIZ 50ACV BM DUPLIXING UNIT PERMITS USE OF RADIO RECEIVER & RADIO TRANSMITTER FROM SAME ANTENNA. SIMILAR IN FUNCTION TO -50ABS-1 AND OF SIMILAR ELECTRICAL DESIGN TO -50ACY.			CW-50ADB ACCESSORY FOR L2 PROBE AMPLIFIER ENABLES CW-60AAY OSCILLOSCOPE TO MEASURE PULSES OF 2 TO 200 PEAK VOLTS ON A HIGH IMPEDANCE CIRCUIT. INPUT IMPEDANCE: 2 MEGOHMS. INCLUDES CAPACITORS, RESISTORS AND ONE 6AC7 TUBE. 6/26/43 D-150670 ESO-690400 JUN. 44 ISSUE 5			CHZ50ADF DOES NOT INCLUDE A FREQUENCY DIVIDER AND HAS DIFFERENT JUNCTION BOX.		
5/8/43 MR-1766-C DEC. 44			CND 50ADC ARD-2 AMPLIFIER INPUT: 115/1/60 TO 2400 CYCLES WITH 80 VOLT TAP IN 1/2 ATR RACK. PULSE REPETITION RATE IS READ DIRECTLY FROM METER ON FRONT PANEL. INCLUDES BUILT IN RECTIFIER POWER SUPPLY, 3 STAGE PULSE AMPLIFIER, TRIGGER CIRCUIT, PULSE RATE COUNTER 7/2/43 FA-2-WJ7 ID 702 JUN. 44			CG-50ADG GEN RADAR USE PRE-AMPLIFIER INPUT 80/1/1200, 0.36 AMPS, 28 WATTS. CONSISTS OF TWO STAGES OF AIR CAPACITOR TUNED RF AMPLIFICATION. TUNABLE FROM FRONT PANEL BY TWO VERNIER DIALS. SAME AS -50A8M EXCEPT FOR VOLTAGE INPUT. 7/22/43 DL4W428A JUN. 44		
CRP 50ACX SO-1 MODULATOR INCLUDES THE PULSE GENERATING CIRCUIT, ELECTRONIC REGULATOR FOR 400 CYCLE OUTPUT VOLTAGE, FIELD CONTROL CIRCUIT FOR ALTERNATOR, AND OVERSPEED PROTECTION CIRCUITS INPUT: 115V 400 CYCLES SINGLE PHASE. PULSE DURATION 1 MICROSECOND 5/27/43 WX-5301 M-4D1-W198 JUN. 44 SUB C			CND 50ADC CIRCUIT, AUDIO AMPLIFIER AND A VISUAL SIGNAL INDICATOR.			CG-50ADM *SEE BELOW R.F. AMPLIFIER INPUT 115/1/60, 0.25 AMP, 28 WATT. CONSISTS OF TWO STAGES OF AIR-CAPACITOR TUNED RF AMPLIFICATION. TUNABLE FROM FRONT PANEL BY TWO VERNIER DIALS. SAME AS -50A8M EXCEPT FOR FREQUENCY WHICH IS *FOR USE WITH SD SERIES 7/22/43 DL-4W401-A M-7468500 JUN. 44 REV 2		
CRP 50ACX REPETITION RATE 400 CYCLES. DELIVERING 4 KV NEGATIVE PULSE AT 50 OHMS, 10-40V. POSITIVE PULSE AT 76 OHMS, 40-60V. NEGATIVE PULSE AT 70 OHMS.			CG-50ADM LOWER. WEIGHT: 321 LBS.					
CW-50ACT MK 18 AMPLIFIER AND RECTIFIER UNIT USED IN CONJUNCTION WITH TYPE -43ABZ. LATER ALL THESE UNITS WERE MODIFIED TO -50ACY-1 IN THE FIELD. CONSISTS OF TWO RECTIFIERS TO SUPPLY THE TRAIN AND ELEVATION INDICATORS, ONE MODULATION AMPLIFIER AND SUITABLE CABLE TERMINALS. 5/28/43 D-151501 ESXX-697797 JUN. 44 ISSUE 3			CRP 50ADD SO-2 MODULATOR CONSISTS OF PULSE GENERATING CIRCUIT, ELECTRONIC REGULATOR FOR 400 CYCLE OUTPUT VOLTAGE, FIELD CONTROL CIRCUIT FOR ALTERNATOR. HOUSING IS DRIP-PROOF. SIMILAR TO TYPE -50ABU EXCEPT THAT IT HAS ELECTRONIC VOLTAGE REGULATION INSTEAD 7/2/43 WX-5317 M-110-W4 JUN. 44 SUB A					

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NAVSHIPS 900,109

5.50-6

Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels

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
CRP-50AD I			CRP 50ADD SO-2			CG-50ADM		
UNASSIGNED			MODULATOR & MOUNTING BASE MODIFICATION OF TYPE -50ABU AS FOLLOWS. REMOVES VOLTAGE REGULATOR AND IS ADAPTED TO HALF WAVE CHARGING.			SK-1H DUPLIXING UNIT ELECTRICALLY SAME AS TYPE -50AAS, BUT DIFFERENT MECHANICALLY INASMUCH AS ONE TANK DIVIDED INTO THREE 120° SECTIONS PERFORMS THE SAME FUNCTIONS AS THE TWO TANKS USED ON THE -50AAS.		
APR. 45			10/19/43 WX-5124A JUN. 44		M-3D39-W308 SUB A	1/2/43 ML-7663132G1 JUN. 44		
CRP 50AD J SO-13			CW-50AD P MK 8 MOD 2			CBM 50AD V SU, SU-1		
MODULATOR POWER INPUT: 115/1/400, 2.2 AMP, 172 WATTS. OUTPUT PULSE: ONE MICROSECOND AT 4.5 KV, 70 AMP, 315 KW; AT 400 CPS; INTO 60 OHM LINE.			COUPLING AMPLIFIER TRANSMITS VIDEO AND SWEEP VOLTAGES FROM -55AFG CONTROL INDICATOR TO -55AEH AUXILIARY INDICATOR. CONSISTS OF THREE CATHODE FOLLOWERS (3) VACUUM TUBES AND ASSOCIATED RESISTORS AND CAPACITORS) *CW:BX-20408 ISS 4 11/10/43 D-152002 APR. 45			MODULATOR PULSE MODULATOR, TAKES TRIGGER FROM INDICATOR AND GENERATES ONE MICROSECOND PULSES AT ABOUT 14 KV WHICH IS DELIVERED THROUGH A 50Ω LINE TO NAVY TYPE -43ACL TRANSMITTER-RECEIVER. PROVIDES TRIGGER FOR REMOTE PPI UNITS. INCLUDES METER TO 1/6/44 975 SK-6056 ALT 0 JUN. 44		
9/15/43 WX-5427 JUN. 44		M-5D-W77 SUB C.						
CG-50AD K *SEE BELOW			CW-50AD P			CBM 50AD V		
ADAPTOR FOR PPI REPEATER INCLUDES VACUUM TUBES TO AMPLIFY VIDEO SIGNALS, IFF AND MARKER PULSE FROM THE (SC-1) INDICATOR; ALSO COMPRISES MEANS TO MAKE POSSIBLE BOTH RELATIVE AND TRUE BEARING OPERATION BY MEANS OF A SYNCHRO *WX88-30836 ACCESSORY FOR SC-1 9/16/43 4W347A JUN. 44			MOUNTED IN A DRIP-PROOF STEEL BOX.			SHOW HOURS OF OPERATION. ALSO INCLUDES METERS TO INDICATE MAGNETRON CURRENT LINE VOLTS AND HIGH VOLTAGE CURRENT. INPUT 115/1/60, 5 AMPS, 0.85 PF AND 40 VOLT SYNCHRONIZING PULSE		
			CW-50AD R MARK 22			CZE 50AD M OBJ		
			AMPLIFIER-POWER ASSEMBLY INPUT: 115/1/60, 6 AMPS & 115/1/400, 9 AMPS. MOUNTS IN BLISTER ON THE DIRECTOR AND CONTAINS A CW-10283 FRAME ASSEMBLY, A CW-20ACK REGULATED RECTIFIER, A CW- 20ACL HV RECTIFIER, A CW-23AED CONTROL PANEL, A CW-50ADS MODULATOR AND A 12/6/43 D-151701 BR-15629 JUN. 44 ISSUE 2			INTEGRATING UNIT 1/10/44 JUN. 44		
			CW-50AD Q			CZE 50AD X OBJ		
			CW-55AEM INDICATOR CIRCUIT UNIT.			RANGE & SERVO UNIT 1/10/44 JUN. 44		
			CRP 50AD R SO-11			CZE 50AD Y OBJ		
9/21/43 WX-5601 JUN. 44		M-22G-W1 SUB C	MODULATOR			MODULATOR 1/10/44 JUN. 44		
			CRP 50AD N SO-7M			CZE 50AD Z OBJ		
ADAPTOR FOR PPI REPEATER 10/6/43 WX-6241 JUN. 44		M-22D-W3 SUB A	MODULATOR CONSISTS OF PULSE GENERATING CIRCUIT, ELECTRONIC REGULATOR FOR 400 CYCLE OUT- PUT VOLTAGE, AND FIELD CONTROL CIRCUIT FOR ALTERNATOR. HOUSING IS DRIP-PROOF. SAME AS TYPE -50ADD EXCEPT CHANGE OF CABLE, AND ADDITION OF RELAY AND TERMINAL			L. F. AMPLIFIER 1/10/44 JUN. 44		
			CW-50ADS MARK 22			CZE 50AEA OBJ		
			MODULATOR INPUT: 115/1/400, 4 AMPS. SUPPLIES SHORT PULSES OF PLATE VOLTAGE TO THE MAGNETRON IN THE -43ACJ TRANSMITTER-RECEIVER UNIT. PULSE GENERATION IS CONTROLLED BY SYN- CHRONIZING PULSE FROM ASSOCIATED RADAR MARK 4 OR MARK 12. 12/8/43 D-151706 B0-15632 JUN. 44 ISSUE 2			SYNC GENERATOR 1/10/44 JUN. 44		
			CRP 50AD T SL-1			CZE 50AD Y		
STRIP.			MODULATOR SAME AS -50ACA EXCEPT FOR NEW START RE- LAY, OMISSION OF HV VARIAC AND ADDITION OF TIME METER. 12/8/43 D-151892 ESR-696996 APR. 45 ISS 3			1/10/44 JUN. 44		

**Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels**

5.50-7

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
CAT 50AEB SR			50AEM			CG-50AEM		
ROTATION CONTROL UNIT CONSISTS OF A TYPE -20ACY RECTIFIER POWER UNIT AND A TYPE -50AEU SERVO AMPLIFIER WHICH PLUG INTO A SHOCK MOUNTED CABINET. CONTROLS ANTENNA ROTATION.			CHANGEABLE AS A UNIT WITH 50ACZ EXCEPT FOR CONNECTORS AND RECEPTACLES INSTEAD OF TERMINAL BOARDS AND SLIGHTLY IMPROVED DESIGN.			SWITCHING AND CONTROL COMPONENTS.		
1/12/44 JUN. 44		P-7715015 SUB 0						
CALD-50AEC MK 3 & 4 DUPLEXING UNIT INPUT: 2.25 WATTS AT 4.5 VOLTS. PERFORMS THE MAIN DUPLEXING FUNCTIONS OF THE TYPE -50AAF-1 DUPLEXING PANEL. PROVIDES CON- NECTORS FOR ANTENNA AND TRANSMITTER-RE- CEIVER.			CHZ 50AEJ BM-1 CKP DUPLEXING UNIT INCLUDES DUPLEXING UNIT, REFERENCE OSCILLATOR, COOLING FAN, FREQUENCY DIVIDER AND LOBE SWITCHING JUNCTION BOX. INPUT 115/1/50 TO 60, 4.5 AMPS, 420 WATTS. OUTPUT 115/1/50 TO 60, 3.7 AMPS. 3/15/44 MA-1206 CHZ:LA-1043 DEC. 44 REV 0			CG-50AEO SP RE 13A 664 CONTROL AMPLIFIER FOR TRAIN INPUT: 115/1/60, 1.5 AMPS 2 OUTPUTS OF 35 VOLTS DC AT 30 MA EACH. RECEIVES SYN- CHRO SIGNALS FROM ANTENNA ASSEMBLY AND PROVIDES EXCITATION FOR AMPLIDYNE GENERATOR. SAME AS -50AEP EXCEPT FOR DIFFERENT VALUES OF STABILIZING RESISTOR: 3/21/44 T-8603275 JUN. 44		
1/19/44 CW:D-151871 CW:BR-15265 DEC. 44 ISSUE 1								
CFM 50AED SP & SP-1M RE 13A 717 AMPLIFIER RE 9045 INPUT: 115/1/60, 0.3 AMPS MAX. 35 WATTS. USED AS A BOLOMETER AND A RESONANCE IN- DICATOR.			CHZ 50AEJ CKP 365 WATTS. NO DIRECT INDICATION OF FREQUENCY. SIMILAR TO -50AEM EXCEPT HAS ADDITIONAL UNIT FREQUENCY DIVIDER, AND DIFFERENT JUNCTION BOX. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE AS A UNIT WITH -50AEM EXCEPT FOR CONNECTORS AND SLIGHTLY BETTER DESIGN.			CG-50AEP SP RE 13A 664 CONTROL AMPLIFIER FOR ELEVATION OF CROSS LEVEL: INPUT: 115/1/60, 1.5 AMPS. 2 OUTPUTS OF 33 VOLTS DC AT 30 MA EACH. RECEIVES SYNCHRO SIGNALS FROM ANTENNA ASSEMBLY AND PRO- VIDES EXCITATION FOR AMPLIDYNE GENERATOR. SAME AS -50AEP EXCEPT FOR DIFFERENT 3/21/44 T-8603274 JUN. 44		
1/25/44 25 MODIFIED CG:P-7766198 DEC. 44 CG:K-7896562 PI REV 2								
CRU 50AEE SA-2 DEFLECTION AMPLIFIER SUPPLIES DEFLECTION VOLTAGES FOR 0-20, 0-80, AND 0-400 MILE RANGES AND CALIBRA- TION VOLTAGES FOR THESE RANGES. CONTAINS CRYSTAL OSCILLATOR FOR CALIBRATING CALIBRATION OSCILLATOR AND PROVISION IS MADE FOR OBTAINING ZERO BEAT BETWEEN 2/2/44 PART OF P-718838 DEC. 44 MI-18001-C REV. 4			CHZ 50AEK BM-1 CKP DUPLEXING UNIT INCLUDES DUPLEXING UNIT, REFERENCE OSCILLATOR, COOLING FAN, AND LOBE SWITCHING JUNCTION BOX. INPUT 115/1/50 TO 60, 4.5 AMPS, 420 WATTS. OUTPUT 115/1/50 TO 60, 3.7 AMPS 365 WATTS. NO 3/15/44 MA-1207 CHZ:LA-1044 DEC. 44 REV 0			CG-50AEP VALUES OF STABILIZING RESISTORS.		
2 OSCILLATORS BY MEANS OF THE 2 API CALIBRATION AND KEYING INDICATOR.			CHZ 50AEK DIRECT INDICATION OF FREQUENCY. SIMILAR TO -50AEJ EXCEPT DOES NOT INCLUDE FREQUENCY DIVIDER HAS DIFFERENT JUNCTION BOX. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH -50AEJ EXCEPT FOR CONNECTORS AND SLIGHTLY BETTER DESIGN.			CRP 50AEQ SO-12M/12M MODULATOR SUPPLY: 115/1/60 DELIVERS 3 KV NEGATIVE PULSE OF 1 MICROSECOND DURATION INTO A 50 OHM LOAD AT A REPETITION RATE OF 450 CPS. A 15 VOLT POSITIVE PULSE AND A 175 VOLT NEGATIVE PULSE ARE DELIVERED FOR TRIGGERING. CASE IS DRIPPROOF AND DESIGN- 4/7/44 RX-1110 M-9D-W1 DEC. 44 SUB A		
CDU 50AEF SA-2 AMPLIFIER PART OF NAVY TYPE -50ACU BEARING AMPLI- FIER-CONVERTER. SUPPLIES SIGNAL FOR SERVO MOTOR. OPERATES FROM 115/1/60.			CRP 50AEL SO-11 MODULATOR SIMILAR TO -50ADR EXCEPT REGULATION HAS BEEN REMOVED FROM SOME OF THE VOLTAGES TO PERMIT USE OF SMALLER LINE VOLTAGE REGULATOR AND LINE FILTER UNITS.			CRP 50AEQ ED FOR BULKHEAD MOUNTING. ANTENNA DRIVE MOTOR FUSE IS 3.2 AMPS.		
3/1/44 PART OF P-721975 DEC. 44 MI-18061 REV. 4			3/17/44 RX-1171 M34D-W17 JUN. 44 SUB B					
CM-50AEG MK 8 MOD 2 IF TO VIDEO AMPLIFIER CONTAINS IF AMPLIFIER WHICH WAS FORMERLY MOUNTED IN THE 55AAP CONTROL INDICATOR AND A VIDEO CIRCUIT SIMILAR TO THAT USED IN THIS INDICATOR.			CRP 50AEM SO-3 MODULATOR INPUT: 115/1/400, 2.2 AMPS, 172 WATTS. OUTPUT PULSE, ONE MICROSECOND AT 4.5 KV, 70 AMPS, 315 KW AT 400 CPS INTO A 50 OHM LINE. SAME AS -50ADJ EXCEPT USES MEDIUM INSTEAD OF A LOW RESISTANCE THYRITRE ASSEMBLY. 3/18/44 RX-1180 M-5D-W77 JUN. 44 SUB E			CRP-50AEQ-1 SO-4 MODULATOR SUPPLY: 115/1/60. DELIVERS 3 KV NEGATIVE PULSE OF 1 MICROSECOND DURATION INTO A 50 OHM LOAD AT A REPETITION RATE OF 450 CPS. A 15 VOLT POSITIVE PULSE AND A 175 VOLT NEGATIVE PULSE ARE DELIVERED FOR TRIGGERING. CASE IS DRIPPROOF AND 9/6/44 RX-1110A OCT. 44		
3/10/44 D-152151 BX-20406 APR. 45 ISS 4								
50AEM BM-1, 80-1 MODULATOR-MONITOR CONSISTS OF A MODULATOR, RESONATOR, SWEEP GENERATOR, OSCILLOSCOPE AND HIGH VOLTAGE POWER SUPPLY. INPUT 115/1/60 22 CY. MAY BE PLUGGED INTO EITHER NAVY TYPE -35ABF OR -35ABG POWER OSCILLATORS. ELECTRICALLY AND MECHANICALLY INTER- 3/15/44 MA-1204 FOR BM-1 CHZ:LA-1040 DEC. 44 MA-1205 FOR 80-1 REV 0			CG-50AEM SP RE 13A 717 CONTROL AMPLIFIER ASSEMBLY INPUT: 115/1/60, 35 AMPS, 3 OUTPUTS OF 115/1/60 AT 10 AMPS EACH. INCLUDES ONE -50AEM AND TWO -50AEP AMPLIFIERS. MOUNT- ING FOR MAGNETIC CONTACTORS FOR POWER SWITCHING, LIMIT RELAYS, POWER RECTI- FIERS, AUXILIARY TRANSFORMERS AND OTHER 3/21/44 DL-8026914G-1 T-8602369 DEC. 44 REV 1			CRP-50AEQ-1 DESIGNED FOR BULKHEAD MOUNTING. SAME AS -50AEQ EXCEPT FUSE FOR PROTECTING AN- TENNA DRIVE MOTOR IS 1 AMP INSTEAD OF 3.2 AMPS.		

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NAVSHIPS 900,109

5.50-8

Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels

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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CM-50AER MK 13
AMPLIFIER CABINET ASSEMBLY CABINET CONTAINING DISTRIBUTION AMPLIFIERS FOR BEARING, RANGE SWEEP AND VIDEO; A MONITORING PANEL EQUIPPED WITH A 3" CATHODE RAY TUBE AND RANGE UNIT; AND A REMOTELY CONTROLLED DRIVE MECHANISM. INCLUDES TYPE -23AFU RANGE UNIT AND 4/12/44 D-152179
DEC. 44

CRP50AET
REDESIGNED TO PROVIDE AUTOMATIC SHUTDOWN IN CASE OF OVER-VOLTAGE ALTERNATOR OUTPUT.

CM-50AFA PL
SYNCH MONITOR
6/13/44
OCT. 44

CM-50AER
DRIVE ASSEMBLY TYPE -50AFJ BEARING SWEEP AMPLIFIER AND TYPE -50AFK VIDEO AND RANGE SWEEP AMPLIFIER.

CMM50AEM SA-3
TRAINING CONTROL AMPLIFIER INPUT 115/1/60, APPROX 500 WATTS. OUTPUT TO 2Φ ANTENNA MOTOR APPROX. 300 WATTS. USED TO CONTROL POWER SUPPLIED TO ANTENNA TRAINING MOTOR IN ACCORDANCE WITH DATA SUPPLIED BY MANUAL HAND CRANK OR SHIPS BEARING SYSTEM. SIMILAR TO -50AAY-1 5/25/44 M1-18004-B P-718869
JUN. 44 SUB 3

CM-50AFB PL
AMPLIFIER OSCILLATOR
6/13/44
OCT. 44

CRY50AES
TO CRY-62ABH CRYSTAL MIXER. SIMILAR TO -50AET EXCEPT FOR MAGNETRONS.

CMM50AEM
EXCEPT FOR POWER CONTROL TUBES WHICH ARE 8005 INSTEAD OF 808 AND RESISTORS INSERTED IN GRIDS OF 8005 TUBES. MECHANICALLY BUT NOT ELECTRICALLY SAME AS -50AAY-1.

CAOW 50AFC TEA
MODULATOR MODULATES THE TYPE -35ABN LF POWER OSCILLATOR WITH TONE OR NOISE. PART OF TYPE -35ABM LF POWER OSCILLATOR.
7/1/44
OCT. 44

CRY 50AES MK 26 MOD 3
DUPLIXING UNIT A RESONATOR FOR USE WITH THE 721A TUBES. TWO COARSE AND ONE FINE TUNING PLUG COVER THE FREQUENCIES OF THE 706AY, BY AND CY MAGNETRONS. SUITABLE FOR MTG TO THE TRANSMITTER IN -52ADA. A 5/8"-27 TAPPED HOLE IS PROVIDED FOR COUPLING 4/18/44 M-427191-501 M-430802-1
JUN. 44 SUB 1

CV-50AEX PL
AMPLIFIER ANALYZER CONSISTS OF AUDIO AMPLIFIER, VU METER, MODULATOR, CARRIER OSCILLATOR WITH MOTOR-DRIVEN CONDENSER, BAND-PASS FILTER, COMPRESSING AMPLIFIER AND A MARKING AMPLIFIER.
4/24/44
JUN. 44

CROW 50AFD TEA
MODULATOR MODULATES THE TYPE -35ABO HF POWER OSCILLATOR WITH TONE OR NOISE. PART OF TYPE -35ABO HF POWER OSCILLATOR.
7/1/44
OCT. 44

CRY 50AET MK 26 MOD 3
DUPLIXING UNIT A RESONATOR FOR USE WITH THE 721A TUBES. TWO COARSE AND ONE FINE TUNING PLUG COVER THE FREQUENCIES OF THE 706 DY, EY, FY, AND GY MAGNETRONS. SUITABLE FOR MOUNTING TO THE TRANSMITTER IN 52ADA. A 5/8"-27 TAPPED HOLE IS PROVIDED FOR 4/18/44 M-427191-502 M-430801-1
JUN. 44 SUB 1

CAOS 50AET (SEE BELOW RE 13A1017A IF TO VIDEO CONVERTER RECEIVES 6.3/1/60 & 250 VOLTS DC FROM CONTROL & INDICATOR UNIT & RECEIVES IF INPUT FROM RECEIVER, VIDEO OUTPUT IS FED BACK INTO CONTROL AND INDICATOR CIRCUITS. INCORPORATES BAND-PASS & BI-PASS AND NECESSARY FOR MK 3 & 4 6/6/44
OCT. 44 CAOS:C105039H REV 0

CG- CRY-50AFE MK 26, MOD 3
AFC-IF AMPLIFIER PROVIDES A SINGLE STAGE OF 30 MC I.F. AMPLIFICATION TO BE FED TO THE AFC CHANNEL OF THE NAVY TYPE -46ACZ IF TO VIDEO CONVERTER THROUGH A 50 OHM CABLE. INCLUDES A JACK TO ACCEPT A NAVY TYPE 7/9/44 (CRV)M1-18097 (CRV)M-438029-1
OCT. 44 SUB 0

CRY50AET
COUPLING TO CRY-62ABH CRYSTAL MIXER. SIMILAR TO -50AES EXCEPT FOR MAGNETRONS.

CAOS 50AET
SHORT-TIME-CONSTANT FILTERS. REDUCED JAMMING INTERFERENCE.

CG- -49268 CONNECTOR FROM CRY-50AFE
THE AFC MIXER CABLE. USES A 6AC7 AS AN IF AMPLIFIER WITH TWO MAGNETITE TUNED I.F. COILS (30 MC). THE 6AC7 OUTPUT IS FED TO A MATCHING TRANSFORMER TO GIVE A 50 OHM OUTPUT ON A -49194 CONNECTOR. HAS A JACK FOR MEASURING THE AFC MIXER CRYSTAL CURRENT. (INPUT 300DC/6.3AC VOLTS AT 12.5MA/0.45 AMPS)

CAT 50AEM SR
SERVO AMPLIFIER AMPLIFIES SYNCHRO ERROR AND EXCITER FIELD OF SERVO GENERATOR. A PART OF THE TYPE -50AEB ROTATION CONTROL UNIT.
4/20/44 T-7611718
JUN. 44 SUB 0

CRP 50AEZ MARK 33
MODULATOR SUPPLY: 120/1/60. DELIVERS 3 KV NEGATIVE PULSE OF MICROSECOND DURATION INTO A 60 OHM LOAD AT A REPETITION RATE OF 800 CPS. PULSE LENGTH APPROX. 0.35-0.45 MICROSECONDS. A 50 TO 100 VOLT POSITIVE TRIGGER PULSE. SIMILAR TO -50AEQ EXCEPT 6/28/44
OCT. 44

GCW 50AFG MK 29 MOD 2
MODULATOR INPUT: 115/1/60 AND SYNCHRONIZING PULSE. SIMILAR TO -50ADV EXCEPT (1) PULSE LENGTH REDUCED FROM 1 TO 1/2 MICROSECOND (2) PULSE RATES CHANGED TO 1800 CPS ±10% (3) OPERATING CONTROLS AND UNUSED METERS DISCONNECTED OR REMOVED.
7/31/44
OCT. 44

CRP 50AET SO-1, SO-8
MODULATOR SUPPLY: 115/1/400 INCLUDES PULSE GENERATING CIRCUIT, ELECTRONIC REGULATOR FOR 400 CYCLE OUTPUT VOLTAGE FIELD CONTROL CIRCUIT FOR ALTERNATOR AND OVER-SPEED PROTECTION CIRCUITS. SIMILAR TO -5DACX EXCEPT VOLTAGE REGULATOR HAS BEEN 5/2/44 WX-5301A M-46A-M89
JUN. 44 SUB A

CRP50AEZ
(1) HYDROGEN-THYRATRONS USED IN PLACE OF SPARK GAP; (2) PULSE RATE 700 TO 800 CPS AND PULSE LENGTH.

50AFH IFF MARK 4
DUPLIXING UNIT PERMITS OPERATION OF ANY IFF MARK 4 EQUIPMENT FROM A SINGLE ANTENNA RATHER THAN SEPARATE TRANSMITTING & RECEIVING ANTENNAS. LIGHTWEIGHT AND IS ADAPTABLE FOR AIRCRAFT AS WELL AS SHIP USE.
6/14/44
OCT. 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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**Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels**

5.50-9

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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-50AFJ

DO NOT ASSIGN

CRP-50AFW 9G-3

MODULATOR
INPUT: 115V ±6% (REGULATED) AT 5 AMPS AND 115V ±20% (UNREGULATED) AT 15 AMPS; SINGLE PHASE; 60 CYCLES ±2 CYCLES. SUPPLIES OUTPUT PULSE OF 1/3 AND 1 1/4 MICROSECONDS DURATION AT NOMINAL REPETITION RATE OF 760 CYCLES. WITH 10/16/44 RX-1019 M-38D200-X194 FEB. 45 SUB A

CRV-50AFP=2

MA. PART OF TYPE -55AGG INDICATOR CONSOLE.

CM-50AFJ MK 13, MOD 0
BEARING SWEEP AMPLIFIER. UNIT FORMS A PART OF TYPE CM-50AER AMPLIFIER CABINET ASSEMBLY & PRODUCES AMPLIFIED HORIZONTAL SWEEP VOLTAGE FOR ALL INDICATORS. VOLTAGE DEVELOPED BY SINE WAVE GENERATOR SYNCHRONIZED WITH ANTENNA TO INDICATE SCANNING POSITION. 9/5/44 D-152182 BX-21560 OCT. 44 ISSUE 1

CRP50AFW

NOMINAL POWER AT 115 VOLTS 700 KW. OUTPUT IMPEDANCE 50 OHMS.

CRY-50AFQ SR-2

TRAINING CONTROL AMPLIFIER AMPLIFIES TRAIN ERROR SIGNAL TO A LEVEL SUFFICIENT TO DRIVE THE ANTENNA DRIVE MOTOR. HAS FACILITIES FOR CORRECTING PHASE OF INPUT TRAIN ERROR SIGNAL. SUPPLY: 440/1/60 AT 8 AMPS AND 115/1/60 AT 3 AMPS. 11/21/44 FEB. 45

CM-50AFJ

(POWER DISSIPATION 20 WATTS).

CBM-50AFQ GEN RADAR USE RE 13A 1084A
RADAR REPEATER ADAPTOR PLUS AMEND. 1 SUPPLY: 115/1/60. INPUT: 1 STANDARD VIDEO AND 1 STANDARD TRIGGER VOLTAGE OUTPUT: 4 STANDARD VIDEO AND 4 STANDARD TRIGGER VOLTAGE.

CAEY-50AFR P0

DECODER UNIT SUPPLY: 115/1/60, 5 AMPS. SEPARATES SYNC FROM VIDEO. FEEDS VIDEO TO ALL INDICATORS (INCLUDING REMOTES). PROVIDES BLANKING FOR 1FF INDICATOR AND TRIGGERS FOR ALL INDICATORS. TAKES PULSES WHOSE DELAY IS PROPORTIONAL TO SINE & COSINE OF AIR-12/28/44 FEB. 45

10/28/44 1027A APR. 45

CBM:60445 ALT 2

CM-50AFK MK 13, MOD 0
VIDEO AND RANGE SWEEP AMPLIFIER. UNIT IS PART OF TYPE CM-50AER AMPLIFIER CABINET ASSEMBLY. AMPLIFIES MAIN AND PRECISION SWEEP VOLTAGES AND ALL VIDEO SIGNALS DEVELOPED IN CONSOLE DRAWER CIRCUITS. CONSISTS OF VIDEO AND SWEEP PREAMPLIFIERS COUPLED 9/5/44 D-152185 BX-21560 OCT. 44 ISSUE 1

CRP-50AFP SG-3

VIDEO AMPLIFIER ACCEPTS NEGATIVE 0.9 VOLT LIMITED SIGNAL FROM A 75 OHM CABLE & DELIVERS A POSITIVE 2 VOLT SIGNAL TO ANY OR ALL THREE 75 OHM CHANNELS (FOR REMOTE INDICATORS). ALSO SUPPLIES 2.5 VOLT SIGNAL FOR "A" SCOPE. SUPPLY: 265/1/60 AT 185 MA. PART OF TYPE 11/21/44 RX-1010 M-38C100-W450 FEB. 45

CAEY-50AFR

BORNE ANTENNA ANGLE. FEEDS SCAN CONVERTER WITH 60 CYCLE AC VOLTAGE PROPORTIONAL TO SINE AND COSINE.

CM-50AFK

THROUGH A RELAY SWITCHING CIRCUIT TO SIX SWEEP AND SIX VIDEO POWER STAGES SO THAT EACH OF 8 INDICATOR OPERATORS MAY SELECT EITHER MAIN OR PRECISION SWEEP. POWER DISSIPATION 290 WATTS.

CRP-50AFP

-55AGF INDICATOR CONSOLE.

CAGY-50AFS MK 34 MOD 384

RADAR AMPLIFIER (INDICATOR) MK 8 MOD 0: CONTAINS CONTROL CIRCUITS AND AMPLIFIES VIDEO FOR TYPE -55AGR RADAR INDICATOR (DIRECTOR) MARK 3 MOD 0. MOUNTS IN AN ALUMINUM HOUSING ON FORWARD SIDE OF YOKE OF DIRECTOR MARK 57.

12/13/44 D-152819 APR. 45

BX-50413 ISS 5

CM-50AFL MK 8, MOD 0
IF TO VIDEO AMPLIFIER UNIT IS A CONVERTED -50AEG IF TO VIDEO AMPLIFIER MODIFIED BY MINOR CIRCUIT REARRANGEMENTS TO FUNCTION WITH NEW BEARING LINE PULSE CIRCUIT AND ON IMPROVED RADAR GAIN CONTROL CIRCUIT. POWER DISSIPATION 50 WATTS. 9/15/44 D-152546 OCT. 44

CRY-50AFP-1 SR-2

VIDEO AMPLIFIER ACCEPTS NEGATIVE 0.9 VOLT LIMITED SIGNAL FROM A 75 OHM CABLE & DELIVERS A POSITIVE 2 VOLT SIGNAL TO ANY OR ALL THREE 75 OHM CHANNELS (FOR REMOTE INDICATORS). ALSO SUPPLIES 2.5 VOLT SIGNAL FOR "A" SCOPE. SUPPLY: 265/1/60 AT 185 MA. PART 11/21/44 JUN. 45

CM-50AFT MK 20 MOD 1

I.F. AMPLIFIER 2 MC BAND WIDTH, NOMINAL FREQUENCY 60 MC, MINIMUM GAIN 85 DB. PLUG-IN TYPE WITH 4 AMPLIFYING STAGES AND ONE DETECTOR. CONSISTS OF CAPACITORS, COILS, RESISTORS, TRANSFORMERS AND VACUUM TUBES ASSEMBLED IN A METAL CHASSIS. 12/27/44 X-66189M BA-104432 APR. 45 ISSUE 1

CM-50AFW MK 20, MOD 1
MODULATOR INPUT 115/1/400, 4 AMPS. SUPPLIES SHORT PULSES OF PLATE VOLTAGE TO THE MAGNETRON IN TYPE -52ADD RADAR TRANSMITTER. SIMILAR TO TYPE -50ADS MODULATOR EXCEPT FOR NEGATIVE TRIGGERING, 240 REPETITION RATE, AND PULSE OF ONE AND ONE-HALF 9/23/44 D-151756 CW:80-417550 DEC. 44 ISS. 2

CRV-50AFP-1

OF TYPE -55AGG INDICATOR CONSOLE.

CM-50AFT
USED WITH NAVY TYPE -55AFO INDICATOR.

CM-50AFW

MICROSECOND DURATION. SIMILAR TO TYPE -55AAZ MODULATOR EXCEPT FOR REPETITION RATE.

CRY-50AFP-2 SR-2

VIDEO AMPLIFIER ACCEPTS NEGATIVE 0.9 VOLT LIMITED SIGNAL FROM A 75 OHM CABLE & DELIVERS A POSITIVE 2 VOLT SIGNAL TO ANY OR ALL THREE 75 OHM CHANNELS (FOR REMOTE INDICATORS) ALSO SUPPLIES 2.5 VOLT SIGNAL FOR "A" SCOPE. SUPPLY: 265/1/60 AT 185 11/21/44 FEB. 45

CRP-50AFU VM

DRIVER SUPPLY: 115/1/60. CONVERTS TRIGGER INTO SWEEP VOLTAGES, AMPLIFIES VIDEO AND GENERATES MARKERS FOR INDICATOR.

12/29/44 FEB. 45

16R29(RE)

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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CONFIDENTIAL

NAVSHIPS 900,109

5.50-10

Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels

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
<p>CW-50AFY UP COMMON BAY CONSISTS OF REPEATING COILS, RESISTORS, RELAYS, JACKS WIRED AS PART OF STEEL CABINET ASSEMBLY TOGETHER WITH FOLLOWING UNITS: TYPES 1CW-10456, 1CW-26024, 2CW-50101, 1CW-50225-A, 1CW-50226, 1CW-50227, 1CW-60127, 1CW-62193. 1/18/45 H-327-206 H-327-205 MAR. 45 LIST 1 U ISSUE 1</p>			<p>CRP-50AGC CONTROLS AMPLIFIER ASSEMBLY EXCEPT FOR CHANGES IN INTERNAL WIRING, BUT NOT INTERCHANGEABLE.</p>			<p>CBM-50AGR ALSO INCLUDES METERS TO INDICATE MAGNETRON CURRENT AND LINE VOLTS. INPUT 115/1/60, 5 AMPS, 0.85 PF & 25 VOLT SYNCHRONIZING PULSE.</p>		
<p>CW-50AFW UP CHANNEL TERMINAL BAY FOR CHANNELS 1 AND 2: CONSISTS OF COILS, FILTERS & JACKS, WIRED AS PART OF STEEL CABINET EQUIPMENT AND THE FOLLOWING UNITS: TYPES 1CW-10956, 2CW-50225-A, 1CW-50229, 1CW-50230, 1CW-50231, 1CW-50232, 2CW-50233, AND 1CW-62193. 1/18/45 H-327-206 H-327-206 MAR. 45 LIST 1 RU & U ISS 1</p>			<p>CUZ-50AGD SD-5 PULSE TIMER: SUPPLY: 110/1/60. CONSISTS OF MOTOR WHICH DRIVES DISCS WITH CAMS FOR CLOSING A MICROSWITCH. THIS ACTUATES A RELAY WHICH IN TURN ACTUATES A VACUUM TUBE FOR KEYING THE TYPE -52AAY-1 RADAR TRANSMITTER. 1/22/45 MAR. 45</p>			<p>-50AGI DO NOT ASSIGN.</p>		
<p>CW-50AFX UP CHANNEL TERMINAL BAY FOR CHANNELS 3 AND 4: CONSISTS OF COILS, FILTERS & JACKS, WIRED AS PART OF STEEL CABINET EQUIPMENT & THE FOLLOWING UNITS: 1CW-50234, 1CW-50235, 1CW-50236, 1CW-50237 AND 1CW-62193. 1/18/45 H-327-206 H-327-206 MAR. 45 LIST 2 RU & U ISS 1</p>			<p>CAY-50AGE SR-5 ROTATION CONTROL UNIT: CONSISTS OF A TYPE -20ADU RECTIFIER POWER UNIT AND A TYPE -50AGF SERVO AMPLIFIER WHICH PLUG INTO A SHOCK MOUNTED CABINET. CONTROLS ANTENNA ROTATION. SAME AS TYPE -50AEB EXCEPT A CONTACTOR AND TRANSFORMER HAVE BEEN OMITTED AND THE 1/29/45 DL-750266005 P-771315 MAR. 45 SUB. 0</p>			<p>CALG-50AGJ RDL-1 IF TO VIDEO AMPLIFIER; INTERMEDIATE FREQUENCY 100 MC. GAIN CONTROL COVERS A 1000:1 RANGE IN IF GAIN. A SWITCH IN EXTREME COUNTERCLOCKWISE POSITION OF THE IF GAIN CONTROL FURTHER REDUCES GAIN BY A FACTOR OF 10 DYNAMIC TRIGGERING SENSITIVITY 200 MICROVOLTS OR 3/2/45 9381A MAR. 45</p>		
<p>CW-50AFY UP CHANNEL TERMINAL BAY FOR CHANNELS 5 AND 6: CONSISTS OF COILS, FILTERS AND JACKS WIRED AS PART OF STEEL CABINET EQUIPMENT AND THE FOLLOWING UNITS: 1 CW-50238, 1 CW-50239, 1 CW-50240, 1 CW-50241, AND 1 CW-62193. 1/18/45 H-327-206 H-327-206 MAR. 45 LIST 3 RU & U ISS. 1</p>			<p>CAY-50AGE NECESSARY WIRING CHANGES MADE.</p>			<p>CALG-50AGK BETTER OVER ENTIRE FREQUENCY RANGE OF 70 TO 450 MC. PROVIDES FOR AURAL TYPE OF PRF INDUCTION FROM JACK AT FRONT PANEL - AURAL PRF 60 TO 5000 CYCLES. POWER SUPPLY FROM TYPE CALG-20ADZ. MOUNTED IN TYPE CALG-10AGA CHASSIS.</p>		
<p>CW-50AFZ UP CHANNEL SHIFTER AND DIVERSITY FILTER BAY: INPUT: 115/1/50 TO 60. CONSISTS OF FILTERS, JACKS AND HYBRID COILS WITH FOLLOWING UNITS: 1 CW-10456, 2 CW-20366, 1 CW-35083, 4 CW-50225-A, 1 CW-50225, 1 CW-49746, 1 CW-50242, 1 CW-62196. 1/18/45 H-327-203 LIST 1 H-327-203 MAR. 45 (MODIFIED) U ISSUE 1</p>			<p>CAY-50AGF SR-5 SERVO AMPLIFIER: AMPLIES SYNCHRO ERROR AND EXCITES FIELD OF SERVO GENERATOR. A PART OF TYPE -50AGE ROTATION CONTROL UNIT. SAME AS TYPE -50AEB EXCEPT FOR CHANGES IN INTERNAL WIRING. 1/29/45 7816951G2 T-7611718 MAR. 45 SUB. 0</p>			<p>CC-50ACK TDY-2/3 RE 13A55YE MODULATOR: DESIGNED TO NOISE MODULATE MAGNETRON TUBES IN TYPE -35ABY POWER OSCILLATOR. 3/16/45 ML-7352257G1 APR. 45</p>		
<p>CW-50AGA UP CHANNEL RESTORER BAY: INPUT: 115/1/50 TO 60. CONSISTS OF JACKS FILTERS, STEP DOWN TRANSFORMER WITH THE FOLLOWING UNITS: 1 CW-10456, 1 CW-20366, 1 CW-35084, 1 CW-50225-A, 1 CW-50243, 1 CW-62193. 1/18/45 H-327-204 H-327-204 MAR. 45 LIST 1 R & U ISS. 1</p>			<p>CRP-50AGG US DELAY UNIT: AUTOMATICALLY SELECTS PROPER NUMBER OF INCOMING PULSES FOR SUBSEQUENT AMPLIFICATION AND TRANSMISSION TO PERMIT USE OF LONG SWEEPS AT HIGH REPETITION RATES. SWEEPS OF 10 MILES AND 20 MILES PROVIDED. DESIGNED FOR CONTINUOUS DELAY OF TRIGGER 2/23/45 MAR. 45</p>			<p>CAOS-50AGL ACCESS FOR MK 4 RADAR AMPLIFIER (DOPPLER) MK 17 MOD 0: ATTACHMENT TO RADAR EQUIPMENT MK 4 FOR RANGE TRACKING THROUGH WINDOW. 3/20/45 APR. 45</p>		
<p>CRY-50AGB SR-2 MODULATOR: CONSISTS OF MODULATOR FOR TYPE -43ACX RADAR TRANSMITTER-RECEIVER. CAPABLE OF MODULATING RF PEAK POWER OF 375 KW. INCLUDES OWN POWER SUPPLY WHICH OPERATES FROM 115/1/60 REGULATED. 1/19/45 MAR. 45</p>			<p>CRP-50AGG OUT TO 180 MILES. DESIGNED FOR BULKHEAD MOUNTING.</p>			<p>CAOS-50AGM (ACC FOR MK 12) RADAR AMPLIFIER (DOPPLER) MK 7 MOD 1: ATTACHMENT TO RADAR EQUIPT. MK 12 FOR RANGE TRACKING THROUGH WINDOW. SIMILAR TO -50AGL EXCEPT FOR CHANGE IN MATCHING CIRCUITS AND AUDIO FILTERS. 3/20/45 APR. 45</p>		
<p>CRP-50AGC SG SERIES CONTROL AMPLIFIER ASSEMBLY: INPUT: (SERVO AMPLIFIER) 115/1/60, 0.5 AMPS, 37.5 WATTS AT 65 PF; (DC SUPPLY SECTION) 115/1/60, 3.4 AMPS, 112 WATTS AT 34.2% PF. OUTPUT: 115V DC, 0.225 AMPS 25.88 WATTS AND 92.0V DC, 0.36 AMPS AND 33.12 WATTS. SIMILAR TO TYPE CRP-50AAT-1 1/20/45 WX-38828 DWG74-5036 MAR. 45 SUB. 1</p>			<p>CBM-50AGR MK 39 MOD 0 & 1 RADAR MODULATOR MARK 1 MOD 0: PULSE MODULATOR TAKES TRIGGER FROM INDICATOR & GENERATES 1/2 MICROSECOND PULSES AT ABOUT 14 KV WHICH IS DELIVERED THROUGH A 50Ω LINE TO NAVY TYPE CBM-43ADG RADAR TRANSMITTER-RECEIVER MARK 4 MOD 0. INCLUDES METER TO SHOW HOURS OF OPERATION. 3/2/45 1071 MAR. 45</p>			<p>CG-50AGN MK 36 MOD 1 RE 13A1102A RADAR MODULATOR MARK 2 MOD 1: INPUTS: 115V, 400 CPS, 3.5 AMPS; +300V DC AT 0.05 AMPS; -250V DC AT 0.005 AMPS. CONTROL POWER FOR MODULATOR ON-OFF CONTROL AND INDICATION; DC GENERATOR FIELD CONNECTIONS; AND CONNECTIONS TO THE 115/3/400 GENERATOR FROM VOLTAGE REGULATOR 4/4/45 8239421G1 MAY 45</p>		

**Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels**

5.50-11

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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CG-50AGH
TOR. PULSE OUTPUT: 2.4 KV PEAK MAXIMUM, 1800±10% PPS, 1/2 MICROSECOND WIDTH, 120 KW PEAK WATTS, 120 WATTS AVERAGE INTO 50 OHM COAXIAL CABLE; +2000V DC AT 3 MA; -2000V DC AT 3.5 MA; DELAYED TRIGGER.

CRV-50AGR
DC POWER SUPPLIES CONNECTED IN SERIES. TERMINALS PROVIDED SO ONE POWER SUPPLY OF 260V AT 105 MA OR BOTH IN SERIES OF 520V AT 105 MA MAY BE USED.

CAQ1-50AGX MBE RE 13A1036
MODULATOR UNIT:
CONTAINS CIRCUITS CAPABLE OF RECEIVING INITIATING PULSES FROM TYPE CAQ1-36ACF PULSE CONTROL UNIT AND AMPLIFYING THEM WITH NOISE MODULATION SUITABLE FOR OPERATION OF TRANSMITTER OSCILLATORS.

4/26/45
MAY 45

CW-50AGO SS
OSCILLATOR-AMPLIFIER:
DESIGNED TO OPERATE ON THE X SUB L & Xs BANDS AND CONSISTS OF AN RF LINE ASSEMBLY, A 2 X 25 BEAT OSCILLATOR, AND A TYPE CW-50AHG PRE-IF AMPLIFIER ASSEMBLY. SIGNAL INPUT TO SECTION OF GUIDE WHICH INCLUDES AFC CRYSTAL IS RECEIVED
4/7/45 D-152294 BR-60376
MAY 45 ISSUE 1

CG-50AGS MK 36 MOD 1 RE 13A1102
RADAR AMPLIFIER MARK 11 MOD 1:
INPUTS: 6.3V, 1.2 AMPS, 400 CYCLES; 105V 30 MA DC; 30 MC IF INPUT. OUTPUT: PRE-AMPLIFIER CRYSTAL MIXER CURRENT OF 1 MA DC; 30 MC IF OUTPUT AT 75 OHMS. UNIT IS A 2-TUBE 30 MC PREAMPLIFIER. HAS 5 MC BAND WIDTH.
4/12/45 ML7767631 CG:P-7767631
MAY 45 REV. 1

CW-50AGY SV
IF AMPLIFIER
A 60 MC AMPLIFIER CONSISTING OF SIX 6AC7 AMPLIFIER TUBES AND A 6AC7 DETECTOR TUBE. HAS AN APPROXIMATE GAIN OF 90 DB AND A BAND WIDTH OF 3.5 TO 4 MC. HAS CO-AXIAL INPUT AND A LOW IMPEDANCE VIDEO OUTPUT SO THAT NORMAL PULSE AMPLITUDE IS
5/4/45 D-152386 BA-107128
JUN. 45 ISSUE 1

CW-50AGO
THROUGH A SHORT LENGTH OF COAXIAL CABLE. OUTPUT OF RECEIVER CRYSTAL IS CONNECTED TO PRE-IF AMPLIFIER BY SHORT LENGTH OF COAXIAL LINE AMPLIFIER IS A 60 MC AMPLIFIER WITH A GAIN OF APPROXIMATELY 30 DB; HAS 50 OHMS COAXIAL OUTPUT FOR CONNECTION TO MAIN IF AMPLIFIER. BEAT OSCILLATOR & PRE-IF AMPLIFIER ARE MOUNTED IN CHASSIS MOUNTED ON RF LINE ASSEMBLY

CW-50AGT SV
PRE-IF AMPLIFIER:
A THREE STAGE 60 MC AMPLIFIER USED TO AMPLIFY OUTPUT SIGNAL FROM SIGNAL MIXER AND HAS AN OUTPUT IMPEDANCE OF 50 OHMS AND A GAIN OF APPROXIMATELY 40 DB. GAIN CONTROL IS OBTAINED BY CATHODE BIAS ON LAST 2 STAGES OF AMPLIFIER.
4/14/45 D-152675 BR-22734
MAY 45 ISSUE 7

CW-50AGY
APPROXIMATELY 1 TO 2 VOLTS POSITIVE. USED IN TYPE CW-55AGE RANGE INDICATOR.

CW-50AGP SS
IF AMPLIFIER:
A 60 MC IF AMPLIFIER USED IN THE TYPE -55AGV INDICATOR CONSOLE. CONSISTS OF SIX 6AC7 AMPLIFIER TUBES AND A 6AC7 DETECTOR. AMPLIFIER SECTION HAS A GAIN OF ABOUT 80 DB AND A BAND WIDTH OF 3.5 TO 4 MCS. HAS A COAXIAL INPUT AND A LOW
4/7/45 D-152571 BR-60349
MAY 45 ISSUE 1

CAY-50AGU SRa-SR-5
RADAR MODULATOR:
LINE TYPE MODULATOR USING A HYDROGEN THYRATRON, TRIGGERED BY A BLOCKING OSCILLATOR OPERATED CATHODE FOLLOWER; OUTPUT CONSISTS OF 750 KW PULSES, 4 MICROSEC. LONG, NEGATIVE POLARITY AT 50 OHMS IMPEDANCE. REPETITION RATE IS AD-
4/16/45
MAY 45

CHC-50AGZ SX
SERVO AMPLIFIER UNIT
INPUT: 115/1/60, 1 AMP AND ERROR VOLTAGE. OUTPUT 30 WATTS MAXIMUM UNIT CONSISTS OF (1) SERVO AMPLIFIER, SUB-CHASSIS UNIT WHICH AMPLIFIES ERROR VOLTAGE GENERATED BY SYNCHRO GEARED TO PPI YOKE AND DELIVERS POWER TO MOTOR; (2) FILA-
5/6/45 22787
JUN. 45 REV. 0

CW-50AGP
IMPEDANCE VIDEO OUTPUT SO THAT NORMAL PULSE AMPLITUDE IS 2 TO 4 VOLTS NEGATIVE.

CAY-50AGU
JUSTABLE 100 TO 150 CPS. INPUT: 5 AMPS AT 115±5/1/60 AND 0.15 AMPS 5500V DC.

CHC-50AGZ
MENT TRANSFORMER FOR SUPPLYING 74 TUBES IN ANOTHER UNIT, RATED 6.3 VOLTS, 60 CYCLES, 55 AMPS; AND (3) COMMUNICATION PANEL CONTAINING ONE TELEPHONE HEADSET FOR RADIO TELEPHONE COMMUNICATION, ONE JACK FOR SECOND HEADSET FOR RADIO TELEPHONE, AND 2 JACKS & HOOKS FOR SOUND-POWER HEADSETS USED FOR SHIPS COMMUNICATION.

CW-50AGQ SS
SERVO AMPLIFIER:
A PART OF THE TYPE -20ADX SERVO POWER UNIT. CONSISTS OF THREE 6SL7 AND TWO 6L6 VACUUM TUBES. DESIGNED TO ACCEPT ERROR SIGNALS FROM 1- AND 36- SPEED CONTROL TRANSFORMERS ERROR SIGNALS ARE AMPLIFIED AND PROVIDE POWER FOR CONTROL-
4/2/45 D-152304 BR-60391
MAY 45 ISSUE 1

CG-50AGV PO-1
DECODER UNIT:
INPUT: 115/1/50, 10 AMPS. UNIT ACCEPTS IDENTICAL SIGNALS AT 2 VOLT LEVEL FROM RELAY RECEIVER AND PROVIDES SEPARATE OUTPUTS OF RADAR VIDEO, AND 300 PPS TRIGGER ON FOUR 75 OHM LINES EACH. IFF VIDEO ONLY ON TWO 75 OHM LINES, AND A
4/16/45
MAY 45

CG-50AHA SX RE 13A 1085A
CONTROL AMPLIFIER (FOR TRAIN): INPUT: 115/1/60, 1.5 AMPS. OUTPUT: +33/-33V DC AT 0.03 AMP. RECEIVES SYNCHRO SIGNALS FROM TYPE CG-66ALH ANTENNA ASSEMBLY AND PROVIDES EXCITATION FOR AMPLIDYNE GENERATORS. HAS OPEN CHASSIS FOR MOUNTING WITHIN TYPE CG-5/10/45 T-9014750 G1 CG:T-9014750 P1
JUN. 45 REV. 0

CW-50AGQ
LING ONE PHASE OF A TYPE CDA-211052 LOW INERTIA MOTOR. TWO AMPLIFIERS ARE USED; ONE TO OPERATE ON SIGNALS RECEIVED FROM TYPE -21ADF, SYNCHRO UNIT AND THE OTHERS TO OPERATE ON SIGNALS RECEIVED FROM SHIP'S GYRO COMPASS SYSTEM.

CG-50AGV
100 VOLTS SQUARE WAVE AT 5000 OHMS FOR "A" SCOPE. INCLUDES SYNCHRO CONVERTER UNIT FOR INSTANTANEOUS BEARING READING, VIDEO GENERATOR AND BUILT IN POWER SUPPLIES. ALL THESE ITEMS ARE MOUNTED IN A SINGLE, HINGED DOOR RELAY RACK WITH ALL WIRED INTERNALLY.

CG-50AHA
50AHD CONTROL AMPLIFIER ASSEMBLY.

CRV-50AGR SR-2
SERVO AMPLIFIER:
RECEIVES ERROR SIGNAL FROM INDICATOR CONSOLE, AMPLIFIES IT AND DRIVES TRAINING CONTROL AMPLIFIER. INPUT: 115/1/60, 1.2A, 115 WATTS. CONSISTS OF BAND REJECT FILTER, PHASING NETWORK AND A PREAMPLIFIER STAGE. ALSO CONTAINS 2 LOW VOLTAGE
4/10/45 617949 T-617949
MAY 45 REV. 5

-50AGM IFF MARK 5
SYNCHRO GENERATOR AMPLIFIER:
SUPPLY: 115±10%, 1 PHASE, 60 CPS ±5%. AMPLIFIES BEARING SIGNALS CONTAINS 1 TYPE 6G SYNCHRO AT 1 SPEED AND 2 TYPE 1 CT SYNCHRO AND ONE 2 POLE, 2 PHASE, 115 VOLT PER PHASE SERVO MOTOR.
4/20/45 CS-160
MAY 45

CG-50AHB SX RE 13A 1085A
CONTROL AMPLIFIER (FOR ELEVATION OR CROSS LEVEL): INPUT: 115/1/60, 1.5 AMPS. OUTPUT: +33/-33V DC AT +0.03/-0.03 AMPS. RECEIVES SYNCHRO SIGNALS FROM TYPE CG-66ALH ANTENNA ASSEMBLY AND PROVIDES EXCITATION FOR AMPLIDYNE GENERATORS. HAS OPEN CHASSIS FOR
5/10/45 T-9014751 G1 CG:T-9014751 P1
JUN. 45 REV. 1

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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CONFIDENTIAL

NAVSHIPS 900,109

5.50-12

Class 50—Amplifier, Modulator and Coupler Units—Electronic
Converters—Mixing Panels

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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CG-50AHB
MOUNTING WITHIN TYPE CG-50AHD CONTROL AMPLIFIER ASSEMBLY. SAME AS TYPE -50AHA EXCEPT DIFFERENT VALUES OF STABILIZING RESISTORS.

CRP-50AHF 50-11
MODULATOR

SAME AS CRP-50AEL EXCEPT HAS HYDROGEN THYRATRON KEYS INSTEAD OF ROTARY SPARK GAP.
5/16/45 RX-1495
JUN. 45

CG-50AHC SX RE 13A 1085A
CONTROL AMPLIFIER (FOR SCANNER); INPUT: 115/1/60. 1.5 AMPS. OUTPUT: +33/-33V DC AT +0.03/-0.03 AMPS. RECEIVES SYNCHRO SIGNALS FROM TYPE CG-66ALH ANTENNA ASSEMBLY AND PROVIDES EXCITATION FOR AMPLIODYNE GENERATORS. HAS OPEN CHASSIS FOR MOUNTING WITHIN TYPE 5/10/45 T-9014752 G1 CG:T-9014752 P1 JUN. 45 5 REV. 1

CG-50AHD SX
50AHD CONTROL AMPLIFIER ASSEMBLY. SAME AS TYPE -50AHA EXCEPT FOR DIFFERENT VALUES OF STABILIZING RESISTORS.

CG-50AHD SX
CONTROL AMPLIFIER ASSEMBLY AN ASSEMBLY CONSISTING OF THE FOLLOWING UNITS. 1 TYPE CG-50AHA CONTROL AMPLIFIER (TRAIN); 2 TYPE CG-50AHB CONTROL AMPLIFIER (ELEVATION OR CROSS LEVEL); AND 1 TYPE CG-50AHC CONTROL AMPLIFIER (SCANNER).
5/10/45
JUN. 45

CAY-50AHE SR-2
MODULATOR
CONSISTS OF CHARGING CIRCUITS, TRIGGER CIRCUITS, PULSE FORMING LINE, HYDROGEN THYRATRON, PULSE TRANSFORMER, POWER SUPPLY & ASSOCIATED CONTROL CIRCUITS & NETS. CAPABLE OF DELIVERING APPROXIMATELY 1.13 MEGOWATTS INTO A 50 OHM LOAD. DC
5/15/45 T-7615755
JUN. 45 SUB 0

CAY-50AHE
POWER SUPPLY CAPABLE SUPPLYING 7350 VOLTS AT 0.25 AMPS. PROVIDES 1 MICROSECOND PULSE WIDTH AT 600 PULSES PER SECOND AND 4 MICROSECOND PULSE WIDTH AT 150 PULSES PER SECOND. MODULATOR MAY BE STABLY PULSED OR JITTER PULSED. PROVISIONS AVAILABLE FOR MOUNTING -35ACH TRIGGER UNIT.

CW-50AHG SS
PRE-IF AMPLIFIER ASSEMBLY
CONSISTS OF A THREE STAGE 60 MC AMPLIFIER USING 6AK5 TUBES WITH A BAND WIDTH OF APPROXIMATELY 4 MC MEASURED AT THE 3 db POINTS. USED TO AMPLIFY THE OUTPUT SIGNAL OF THE SIGNAL MIXER AND HAS AN OUTPUT IMPEDANCE OF 50 OHMS AND A GAIN
5/21/45 80-22968 80-61303
JUN. 45 ISSUE 1

CW-50AHG
OF APPROXIMATELY 30 db. GAIN CONTROL OBTAINED BY CATHODE BIAS ON LAST 2 STAGES OF AMPLIFIER. PART OF TYPE -50AGO OSCILLATOR AMPLIFIER.

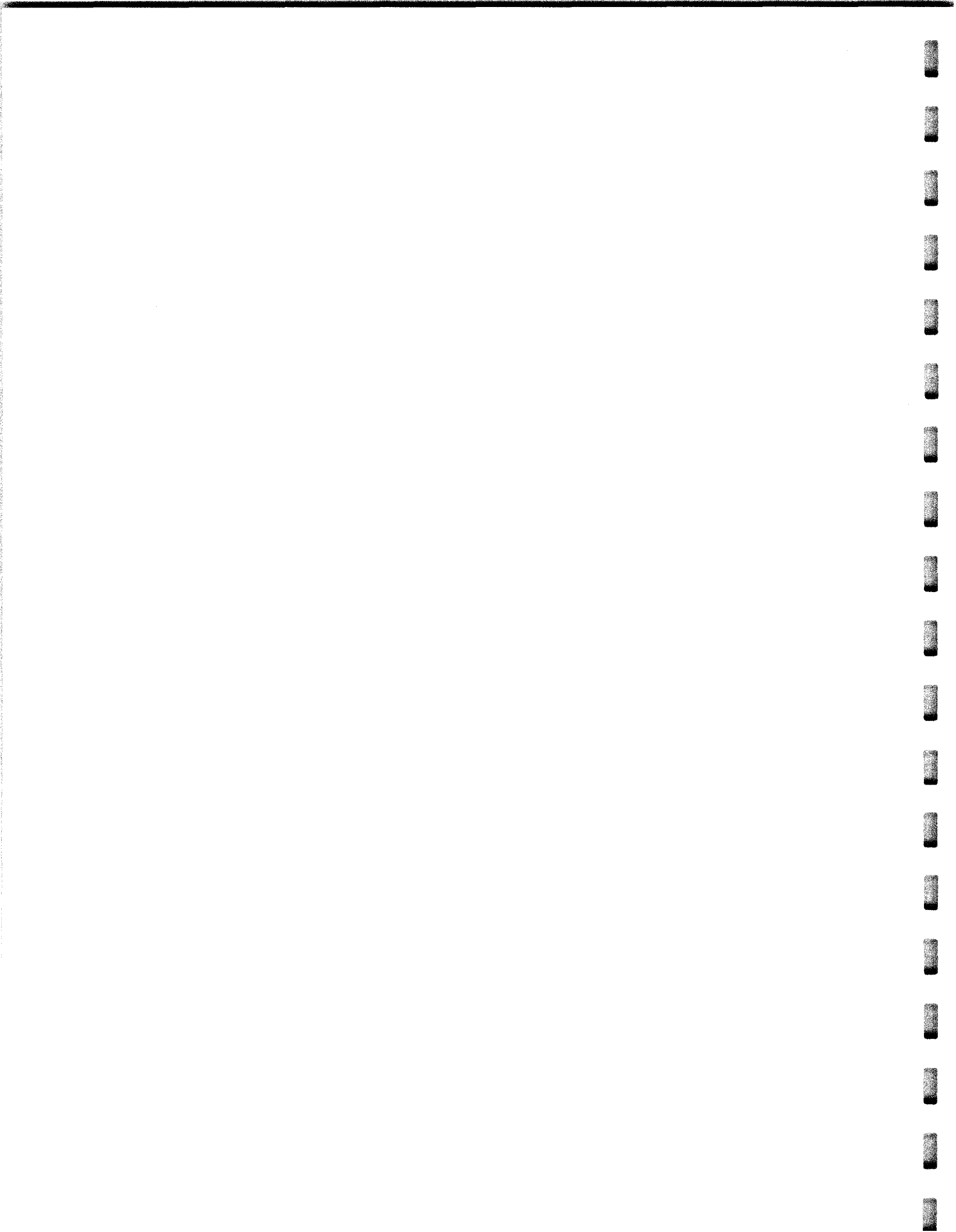
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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Class 52—Radio Transmitter Units

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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
RA-52AAA XT TRANSMITTER UNIT 50 WATT - 52-55 MEGACYCLES AC/CW 500 CYCLES.	3/17/32 JUN. 44		CG-52AAJ BI TRANSMITTER RADAR PULSED CHALLENGING TRANSMITTER.	8/25/41 JUN. 44		52AAS BL RADIO TRANSMITTER-RECTIFIER ANY ONE OF TEN PRESELECTED FREQUENCIES. OUTPUT: 1 KW (PULSE PEAK) INPUT: 220W. 115/1/50-60 TO BUILT-IN RECTIFIER POWER SUPPLY.	2/5/42 JUN. 44	CXP:CFN:CMD:
RM-52AAB TAD ATTACHMENT - HIGH FREQUENCY 150 WATT - 4,000-18,100 KILOCYCLES. "DOW" CIRCUIT	3/29/32 JUN. 44		CG-52AAK SC-1 RADIO TRANSMITTER (SAME AS 52AAG EXCEPT TUBE); SIMILAR TO CG-52AAG EXCEPT GROUNDED ANODE AND DIRECT CONNECTED TRANSMISSION LINE.	10/30/41 JUN. 44	HL-7351008G1 M-74642950 REV 0	CRY52AAT ASB RADIO TRANSMITTER PRESET AT 515 MC. CONTAINS 4 TUBE SELF-PULSED OSCILLATORY CIRCUIT AND SUITABLE COUPLING MEANS FOR TRANSFERRING RF ENERGY TO ANTENNA SWITCHING UNIT. CONTAINS ITS OWN HIGH VOLTAGE POWER SUPPLY AND VACUUM TUBES SWITCH RELAY 2/11/42 P-255010 JUN. 44 SUB 1		
CRR-52AAC CXG TRANSMITTER UNIT - AIRCRAFT 20 WATTS - CW-ICW/PHONE 3,000-9,000 KILOCYCLES - NO-PA	5/31/33 JUN. 44		RA-52AAL XAT(ASB) RADIO TRANSMITTER FREQUENCY: (PRESET)	11/8/41 JUN. 44		CRY52AAT OPERATED FROM CONTROL UNIT.		
CM-52AAD FA RADIO TRANSMITTER PART OF CM-43AAA TRANSMITTER & RECEIVER. PART OF CM-43AAB (FB) " " " "	2/25/41 JUN. 44	DIS0781	CG-52AAM WK 5 EICXAZ RADAR TRANSMITTER PULSE TYPE TRANSMITTER WITH 6 TUBE RING OSCILLATOR TRIGGERED-GAP PLATE KEYS INPUT: 115/1/60 AT 25 AMPS. OSCILLATOR PEAK POWER OUTPUT IS 150 KW AT 15 KV PLATE VOLTAGE WITH ONE MICROSECOND PULSE HAVING A 656 REPETITION RATE. 11/1/41 HL-7351039G1 P-7764325 JUN. 44 REV 0	5/4/42 JUN. 44		520-58		
CG-52AAE BE RADIO TRANSMITTER	5/1/41 JUN. 44	DL-4M1ZA-G1	CRY52AAM ASA TRANSMITTER (SEE CRY-52ABH) INPUT 23A @ 27V. DC. (FOR DESCRIPTION) OR 4.35A @ 120V 800- AC.	11/18/41 JUN. 44	T-620524	CG-52AAV BE-1 RADAR TRANSMITTER INPUT (VOLTS 2 AC 6.3 AC 115 AC 400/575/ 750 DC AMPS 3.5/1.5/0.4/0.135/0.17/0.19 SIMILAR TO CG-52AAE EXCEPT FOR MODIFI- CATION IN CIRCUITS DUE TO SUBSTITUTION OF STEEL CONSTRUCTION.	3/17/42 JUN. 44	
CM-52AAF FC RADIO TRANSMITTER PART OF CM-43AAC TRANSMITTER-RECEIVER UNIT.	5/15/41 JUN. 44		CG-52AAP BI-1 RADIO TRANSMITTER RADAR PULSED CHALLENGING TRANSMITTER, OUTPUT: 5.0 KW WITH PULSE LENGTH FROM 2 TO 10 MICROSECONDS. PULSE REPETITION RATE FROM 60 TO 4000 PER SECOND. INPUT: 115 VOLTS, 60 CYCLES FOR TUBE HEATERS, 8000 VOLTS FOR TUBE PLATE VOLTAGE. 1/27/42 M-19J532 JUN. 44	2/4/42 JUN. 44	CAT:P-7709060 SUB 0	CG-52AAW BG RADIO TRANSMITTER OPERATES FROM TYPE CG-20ABE RECTIFIER POWER SUPPLY. 110 TO 117 VOLTS ±10% 10. 60 OR 400-. 59 WATTS. 91.85 PF. 0.55 AMPS ALSO 6.3V. 2.25 AMPS AC. 14.2 WATTS FOR MODULATOR HEATERS. 2,000-4,000V DC AT 0-7 MA; 360 V DC 140 MA. 3/25/42 K-35J38 JUN. 44 REV 0		
CG-52AAG SC TRANSMITTER RADAR TRANSMITTER 115V., 60-, 10 POWER SUPPLY.	6/24/41 JUN. 44	HL7351000G1 W7465754	CAT52AAQ ASB-1&ASB-2 AIRCRAFT RADAR TRANSMITTER FREQUENCY. (PRESET)	2/4/42 JUN. 44		CRY52AAX ASB-4 RADAR TRANSMITTER INCLUDES A 4 TUBE SELF-PULSED OSCILLATOR CIRCUIT. PROVISIONS FOR COUPLING THE RF ENERGY TO THE ANTENNA SWITCHING UNIT. ITS OWN HIGH VOLTAGE RECTIFIER POWER SUP- PLY AND A VACUUM SWITCH-RELAY OPERATED FROM POWER CONTROL UNIT. 5/8/42 M-17019 P-255211 JUN. 44 SUB 0		
CRY52AAM CXBC, SD & SD-B RADAR TRANSMITTER INCLUDES AN INTERNAL RECTIFIER OPERATING FROM 115/1/60. 10.1 AMP. 996 WATTS. PEAK POWER OUTPUT -100 KW MINIMUM OUTPUT: 70 OHM 3" COAXIAL LINE. PULSES APPROX. 8.5 MICROSECONDS LONG AT 60- RATE.	8/15/41 JUN. 44	K-866497 K-421626 SUB 4	CAT52AAR ASB-3 AIRCRAFT RADAR TRANSMITTER FREQUENCY. (PRESET)	2/4/42 JUN. 44	P-7708602 SUB 0	CRY52AAY INPUT: 115/1/600-2.3 AMPS 240 WATTS AND 24V 0.095 AMP 2.3 WATTS.		

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CRV-52AAY SD-1 & SD-2 RADAR TRANSMITTER: INCLUDES AN INTERNAL RECTIFIER FOR OPERATION FROM 115/1/60. 10.1 AMP. 1000 WATTS. SAME AS -52AAH EXCEPT FOR MINOR MECHANICAL CHANGES AND RELOCATIONS. OMISSION OF DECONTAMINATOR CIRCUIT. LACK OF 100% INTERCHANGEABILITY OF INTERNAL CON-5/13/42 MI-18030 M-440001-1 JUN. 44 MI-18030-B SUB 0			CRV-52ABD SA & SA-1 RADAR TRANSMITTER: INCLUDES INTERNAL RECTIFIER POWER SUPPLY FOR OPERATION FROM 115/1/60 CYCLES AT 1,000 WATTS. 10.1 AMPS. *CRV:DWG P-718870-1 REV 1 M-422409, SUB 0 4/15/42 *SEE ABOVE JUN. 44			CG-52ABH SC-2 RADAR TRANSMITTER: 5/27/42 ML-7351282-G1 P-7764916 JUNE 44 JUNE 44 REV 2		
CRV-52AAY SECTION. PEAK OUTPUT 100 KW MINIMUM, 70 OHM 3 INCH CONCENTRIC LINE. PULSES 8.5 MICROSECONDS AT 60- RATE.			CRV-52ABD-1 SA-1 RADAR TRANSMITTER: SAME AS BASIC NUMBER EXCEPT FOR MINOR INTERNAL CHANGES *(CRV)DWGP-718870-2,REV 1)M-422409, SUB 6 1/22/43 MI-18000-B *SEE ABOVE JUNE 44			CG-52ABM-1 SC-3 RADAR TRANSMITTER: SAME AS CG-52ABH EXCEPT MOMENTARY KEYING FEATURE IS PROVIDED. WHEREBY SILENCE MAY NORMALLY BE OBTAINED AND TRANSMITTER BROUGHT TO FULL OPERATION BY USE OF LOCAL OR REMOTE KEY FOR PERIODS OF SEVERAL SECONDS OR AS DESIRED. CONTINUOUS OP-5/4/43 ML-7351913G1 P-7764916 JUNE 44 JUNE 44 REV 4		
CRV-52AAY-1 SD-4 RADAR TRANSMITTER: SAME AS BASIC NUMBER EXCEPT OSCILLATOR GRID CAPACITOR CHANGED FROM .03/.03 MFD UNIT TO .02/.05 MFD UNIT.			CRV-52ABD-2 AS-2 (* RADAR TRANSMITTER: INPUT: 115/1/60, 10.1 AMPS, 100 WATTS. OUTPUT IS A 50Ω 2" COAXIAL LINE. SAME AS NAVY TYPE -52ABD-1 EXCEPT THAT THE INTERNAL DUPLEXING UNIT AND ASSOCIATED PARTS ARE DELETED. *N15P-37811 12/4/43 MI-18000-C P-718870-3 JUNE 44 MODIFIED REV 1			CG-52ABM-1 ERATION IS STILL POSSIBLE.		
3/20/43 MI-18030-C M-440001 JUNE 44 SUB 3			CRP-52ABE SG RADAR TRANSMITTER & FRAME INPUT: 115/1/60 AT 9 AMPS, 975 WATTS AVERAGE POWER OUTPUT 40 WATTS, PEAK POWER OUTPUT 20 KW. PULSE POLARITY IS POSITIVE WITH DURATION OF 2 MICROSECONDS. INPUT IMPEDANCE; INDEFINITE. OUTPUT IMPEDANCE 76 OHMS SELF EXCITED. 3/16/42 WX-5874 JUNE 44			CG-52ABJ ASC AIRCRAFT RADAR TRANSMITTER: 6/10/42 D150508 ESIX-687461 JUNE 44		
RA-52AAZ XBB RADAR TRANSMITTER -5KM PEAK. SUPPLY 14 VOLTS DC & 120 VOLTS, 800 CYCLES.			CRP-52ABE-1 SG-1 RADAR TRANSMITTER: SAME AS BASIC NUMBER EXCEPT FOR INTERNAL WIRING CHANGES TO CREATE NEW RF SYSTEM. 7/6/43 JUNE 44			CRV-52ABK MK 6 RADAR RADAR TRANSMITTER: INPUT: 117/3/60, 3 KM. 7/11/42 JUNE 44		
3/26/42 JUN. 44			- 52ABF (CFN)-BL-2 (CKP)-BL-3 RADIO TRANSMITTER: INPUT: 100 TO 230/1/50 TO 60. 1.5 AMPS 165 WATTS. OUTPUT: 700 TO 1800 WATTS. RF PULSE DURATION 9 TO 11 MICROSECONDS. REPETITION RATE 25 TO 500 PER SECOND. 4/29/42 (CPN)HD1007 (CHZ) SA1150 JUNE 44			CRP-52ABL ASB-5 AIRCRAFT RADAR TRANSMITTER: NORMALLY SET AT 515 MC ±1%. RECURRENCE FREQ: 400 CPS. PULSE DURATION IS 1.5 TO 2.5 MICROSECONDS. INPUT: 115/1/600-1400. 1.85 AMP. OUTPUT: 4.0 KM. SHOCKPROOF. 7/13/42 M-91254-C JUNE 44		
RM-52ABA BH RADAR TRANSMITTER: INCLUDES KEYS. OPERATES FROM TYPE RM-20ABF RECTIFIER POWER SUPPLY.			CS-52ABG AIA RADAR TRANSMITTER: PEAK POWER OUTPUT: 20 KW INPUT: 115 VOLTS 400 TO 1600 CYCLES AT 3.0 AMPS. 1600 TO 3000 CYCLES INTERMITTANT; 450 WATTS WITH PF OF .98 ON 1000-1 DUTY CYCLES; 24V DC AT 2 AMPS. EQUIP. SERIALS 196 TO 650 REPLACE RADJALLY BENT WAVEGUIDE BY A 5/7/42 K-657007 R-657186-B JUNE 44			CRV-52ABM ASA-1 AIRCRAFT RADAR TRANSMITTER: ALTIMETER/RADAR KEYING FREQ. 24.589 OR 81.966 KC/ 1010.68 OR 898.382 CYCLES; PULSE WIDTH LESS THAN 0.3 MICROSECOND/ LESS THAN 2.0 MICROSECOND; PEAK POWER OUTPUT 1.25/15 KW MINIMUM. INPUT 400/250 WATTS, 120/1/800. OR 300V DC AT 110 MA 7/23/42 MI-18100-A JUNE 44		
3/28/42 JUNE 44			CPR-52ABB CXBT RADIO TRANSMITTER: INCLUDES A TWO TUBE OSCILLATOR CONTROLLED BY A ONE TUBE MODULATOR WHICH IN TURN IS CONTROLLED BY THE MODULATION GENERATOR. TYPE CPR-35AAJ. HIGH VOLTAGE POWER SUPPLY IS ALSO INCLUDED AS A PART OF THIS UNIT. PEAK PULSE POWER IS 400 WATTS. INPUT: 5/16/42 GLO-164 JUNE 44			CRV-52ABM AND 27V DC AT 22.4 AMP. SIMILAR TO CRV-52AAN BUT HAS AN ADDED RECTANGLE FOR A NEGATIVE 12 PEAK VOLTS MINIMUM FOR I.F.F.. REAR GRID TUNING IS IN FRONT PANEL. DECONTAMINATOR PROVISIONS REMOVED.		
115/1/800 1 AMP. 115 WATTS.			CMD-52ABC BL-1 RADAR TRANSMITTER: INPUT: 100 TO 230/1/50 TO 60. 1.5 AMPS. 165 WATTS- OUTPUT 700 TO 1800 WATTS; RF PULSE DURATION 9 TO 11 MICROSECONDS, REPETITION RATE 25 TO 500 PER SECOND. 4/4/42 HD-1004 (CHZ)SA1150 JUNE 44					
			ASSIGNED ISSUED					
			ASSIGNED ISSUED					
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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CCT-52ABW	ASG.ASG-1		52ABT	MARK 11		CRY 52ACA	ATJ	
AIRCRAFT RADAR TRANSMITTER: PEAK POWER OUTPUT 50 KW (APPROX.). SEARCH/ BEACON 1/2 MICROSECOND PULSE. 800/400 CYCLES REPETITION RATE. POWER INPUT: 115/1/400-2400, 3.43 AMP, 395 WATTS AND 24V DC, 1.4 AMP, 33.6 WATTS.			RADAR TRANSMITTER-ANTENNA (PEAK POWER: 50 KW. PULSE DURATION 0.5 MICROSECONDS AT 600 CPS.) CONSISTS OF A STEEL BOX HOUSING A DUPLEXER WITH ITS CAVITY RESONATOR, AND COAXIAL TRANSMIS- SION LINES. PROTRUDING FROM THE FRONT IS CG:P-7765242-2 SUB 0. 11/26/42 CRV:MI-18071-2 CRY:P-721468-1 JUN. 44 CG:ML-7351459G2 SUB 4*			AIRCRAFT RADIO TRANSMITTER CANCELLED		
8/14/42		5L0-184				12/30/44		
JUNE 44						JUN. 44		
CPR-52ABW-1	ASG.ASG-1		52ABT			CRY 52ACB	ATK	
AIRCRAFT RADAR TRANSMITTER: ELECTRICALLY AND MECHANICALLY INTER- CHANGEABLE AS A WHOLE WITH CCT-52ABW. BUT NOT FOR ALL COMPONENTS.			A TRANSMISSION LINE EXTENDING FORWARD ONE FOOT WHICH CONNECTS TO AN ANTENNA. INPUT: 6.3/1/60, 1.7 AMP, 10.7 WATTS. (OUTPUT: 2900V DC AT 55 AMP PEAK, 48 WATTS). SAME AS -52ABS EXCEPT FOR SIZE OF CAVITY RESONATOR.			AIRCRAFT RADIO TRANSMITTER RATED 30 WATTS PEAK; 70 OHMS OUTPUT IM- PEDANCE. ADJUSTABLE TUNING TO 10 FRE- QUENCIES.		
12/9/42		5L0-356				12/30/44		T-256166
JUNE 44						DEC. 4		SUB. 3
RA-52ABO	XBD		CRY 52ABU	SB		CRY 52ACC	ATK	
RADIO TRANSMITTER:			RADAR TRANSMITTER SIMILAR TO CRY-52AAM.			AIRCRAFT RADIO TRANSMITTER CANCELLED		
9/4/42			12/8/42	MI-18121	T-6205424	12/30/42		
JUNE 44			JUN. 44		REV 9	JUN. 44		
CHD-52ABP	BL-4		CAY 52ABY	ASB-6		CRY 52ACD	ATK	
RADIO TRANSMITTER: OUTPUT: 700 TO 1800 WATTS PEAK. PULSE DURATION: 9 TO 11 MICROSECONDS; RE- PETITION RATE: 25 TO 500 CPS. POWER INPUT: 115/1/50-60, 1.5 AMP, 165 WATTS. SAME AS -52ABC EXCEPT FOR DIVIDER CIRCUIT. BIAS CONTROL, AND OUTPUT CIRCUIT.			AIRCRAFT RADAR TRANSMITTER FREQUENCY: (PRESET) ELECTRICALLY & MECHANICALLY INTERCHANGE- ABLE WITH CAY-52AAR, BUT HAS DIFFERENT COMPONENTS.			AIRCRAFT RADIO TRANSMITTER CANCELLED		
9/30/42			12/29/42		P-7709367	12/30/42		
JUNE 44			JUN. 44		SUB 0	JUN. 44		
CFM-52ABQ	BL-5		CRY 52ABW	ATJ		CRY 52ACE	ATK	
RADIO TRANSMITTER OUTPUT: 700 TO 1800 WATTS PEAK. PULSE DURATION: 9 TO 11 MICROSECONDS; RE- PETITION RATE: 25 TO 500 CPS. POWER INPUT: 115/1/50-60, 1.5 AMP, 165 WATTS. SAME AS -52ABP BUT HAS DIFFERENT WIRING CABLES.			AIRCRAFT RADIO TRANSMITTER RATED 30 WATTS PEAK; 70 OHMS OUTPUT IM- PEDANCE. ADJUSTABLE TUNING TO FIVE FREQUENCIES.			AIRCRAFT RADIO TRANSMITTER CANCELLED		
9/30/42	BL-5 RADIO	MA-1022	12/30/42			12/30/42		
JUN. 44	TRANSMITTER	ISSUE A	JUN. 44			JUN. 44		
CKP-52ABR	BL-6		CRY 52ABX	ATJ		CRY 52ACF	ATK	
RADIO TRANSMITTER OUTPUT: 700 TO 1800 WATTS PEAK. PULSE DURATION: 9 TO 11 MICROSECONDS; RE- PETITION RATE: 25 TO 500 CPS. POWER INPUT: 115/1/50-60, 1.5 AMP, 165 WATTS. SAME AS -52ABP BUT HAS DIFFERENT WIRING CABLES AND HIGH DELAY OUTPUT.			AIRCRAFT RADIO TRANSMITTER CANCELLED			AIRCRAFT RADIO TRANSMITTER CANCELLED		
9/30/42			12/30/42			12/30/42		
JUN. 44			JUN. 44			JUN. 44		
-52ABS	MK 11		CRY 52ABY	ATJ		CG-52ACG	SM	
RADAR TRANSMITTER-ANTENNA (PEAK POWER: 50 KW. PULSE DURATION 0.5 MICROSECONDS. AT 600 CPS.) CONSISTS OF A STEEL BOX HOUSING A DUPLEXER WITH ITS CAVITY RESONATOR, AND COAXIAL TRANSMIS- SION LINES. PROTRUDING FROM THE FRONT CG:P-7765242-1 SUB 0 11/26/42 CRV:MI-18071-1 CRY:P-721468-1 JUN. 44 CG:ML-7351459G1 SUB 4*			AIRCRAFT RADIO TRANSMITTER CANCELLED			RADAR TRANSMITTER: INCLUDES A TYPE -60ABR SYNCHROSCOPE AND A TYPE -50ACC AMPLIFIER AND -46ACL OSC-MIX PREAMP. UNIT.		
			12/30/42			2/8/43	ML-7351461-G1	P-7765357
			JUN. 44			JUN. 44		REV 4
			52ABS			CG-52ACG-1	SM-1	
			IS A TRANSMISSION LINE EXTENDING FORWARD ABOUT ONE FOOT WHICH CONNECTS TO ANTENNA. INPUT: 6.3/1/60, 1.7 AMP, 10.7 WATTS. OUTPUT: 2900V DC AT 55 AMP PEAK, 48 WATTS. SAME AS -52ABT EXCEPT FOR SIZE OF CAVITY RESONATOR.			RADAR TRANSMITTER: SAME AS BASIC NUMBER EXCEPT FOR SUB- SITUATION OF TWO CG-631538 STRIP HEATERS FOR CG-631529.		
			12/30/42			7/15/43	ML-7351461-G2	P-7765357
			JUN. 44			JUNE 44		REV 4
			ASSIGNED			ASSIGNED		
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CPR-52ACH	FOR USE WITH ASB SERIES		CRY-52ACH	N173S-4899		CRY52ACS		
RADAR TRANSMITTER: SUPPLY: 115/1/600 TO 2400. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE AS A WHOLE (BUT NOT COMPONENTS) WITH CAY-52AAR.			RADAR TRANSMITTER: (FOR DESCRIPTION SEE N173S-4899 JACKET). OPERATES FROM 220/1/60 AT APPROXIMATELY 3 KVA AND FROM TYPE CRY-23ADQ RADAR TRANSMITTER CONTROL UNIT.			ING SUBSTITUTED FOR CONNECTING TO A FLEXIBLE TRANSMISSION LINE. SAME AS -52ACT EXCEPT FOR SIZE OF CAVITY RESONATOR.		
3/4/43		SLO-638	4/13/43	PROJECT 187-B	N-440405			
JUN. 44		REV A	JUN. 44	PART 1 OF 2	REV 0			
-52ACI			CHZ-52ACH	BN		CRY52ACT	NK 26, MODS 1&2	
			RADIO TRANSMITTER:			RADAR TRANSMITTER		
DO NOT USE			CANCELLED			(PEAK POWER: 50 KW. PULSE DURATION 0.5 MICROSECONDS AT 600 CPS.) CONSISTS OF A STEEL BOX HOUSING A DUPLEXER WITH ITS CAVITY RESONATOR AND COAXIAL TRANSMISSION LINES. SAME AS -52ABT EXCEPT THAT THE ANTENNA IS OMITTED AND A FITTING SUBSTITUTED FOR CONNECTING TO A FLEXIBLE TRANSMISSION LINE. SAME AS -52ACS EXCEPT FOR SIZE OF CAVITY RESONATOR.		
			5/4/43	BN RADIO				
			JUN. 44	TRANSMITTER				
RA-52ACJ	ISB		CHZ-52ACO	BO		CRY52ACT		
AIRCRAFT RADIO TRANSMITTER: LOW POWERED JAMMING UNIT. USES SCREEN MODULATION (RANDOM NOISE) 30 WATTS OUTPUT AND MODULATION IS APPROX. 50%. INPUT VOLTAGES: 500V DC 0.20 AMPS, 300V, 0.05 AMPS DC; 6.3V, 3 AMPS AC; 24 VOLTS, 5 AMPS DC. WEIGHT 24 POUNDS. UNIT EN-3/31/43			RADIO TRANSMITTER:			TUTED FOR CONNECTING TO A FLEXIBLE TRANSMISSION LINE. SAME AS -52ACS EXCEPT FOR SIZE OF CAVITY RESONATOR.		
JUN. 44			CANCELLED					
			5/4/43	BO RADIO				
			JUN. 44	TRANSMITTER				
			CHZ-52ACP	BQ		CAY52ACU	ASB-7a	
			RADIO TRANSMITTER:			RADAR TRANSMITTER		
			OUTPUT IS 700 TO 1800 WATTS PEAK. PULSE DURATION IS 3 TO 5 MICROSECONDS. REPETITION RATE IS 25 TO 500 CPS. POWER INPUT: 115/1/50 TC 60, 1.5 AMPS 165 WATTS. SIMILAR TO TYPE -52ABR EXCEPT (1) HAS REVISED TUNING RANGE AND (2) PULSE 7/22/43 BQ TRANSMITTER			SIMILAR TO -52ABY BUT MODIFIED TO EXTEND FREQUENCY RANGE. MECHANICALLY AND ELECTRICALLY INTERCHANGEABLE WITH -52ABY. SUPPLY: 115/1/400 TO 2400.		
			JUN. 44					
			RA-52ACJ			12/15/43	DL7501565G-12	CAY-P-7713430
			CASED IN STANDARD ATA RACK.					SUB 0
			JUN. 44			JUN. 44		
			RA-52ACK	ISB		CAY-52ACV	ASB-7b	
			AIRCRAFT RADIO TRANSMITTER: LOW POWERED JAMMING UNIT. USES SERIES (CATHODE) MODULATION. (SQUARE WAVE) AND MODULATION IS APPROX. 50%. INPUT VOLTAGES: 750V DC, 300V DC, 110/1/400 TO 2600 VOLTS AC.			RADAR TRANSMITTER (PHILCO TYPE:) SUPPLY: 115/1/400 TO 2400. SIMILAR TO CPR-52ACH BUT HAS MINOR MODIFICATIONS.		
			3/31/43		RA52F300A			
			JUN. 44			12/15/43	CAY-M-7502863	CAY-P-7713864
						DEC. 44	G1	SUB 0
			CS-52ACL	ASD-A1A		CG-52ACW	SP	RE13A717
			AIRCRAFT RADAR TRANSMITTER: SIMILAR TO -52ABG WITH STRAIGHT WAVE GUIDE EXCEPT EMPLOYS TWO LOCAL OSCILLATORS INSTEAD OF ONE.			RADAR TRANSMITTER ASSEMBLY: GENERATES RADIO FREQUENCIES. INCLUDES -4GADP OSCILLATOR-PREAMPLIFIER UNIT AND ECHO BOX, SYNCHROSCOPE AND "K" AMPLIFIER. SUPPLY: 115/1/60.		
			4/3/43		657007			
			JUN. 44					
			CS-52ACL-1	ASD (NK BR-44579)		(CG)DWGP-7766286	REV 0	
			AIRCRAFT RADAR TRANSMITTER: SAME AS -52ACL EXCEPT HAS MK 2 MODULATOR INSTEAD OF MK 1 MODULATOR. MECHANICALLY AND ELECTRICALLY INTERCHANGEABLE.			12/30/43 ML-4GPA5A1		
						JUN. 44		
			CG-52ACX	SK-1R		CG-52ACX	SK-1R	
			RADIO TRANSMITTER:			RADAR TRANSMITTER:		
			INPUT: 115/1/60. 3 KW AND 115/1/60. 4 KW. GENERATOR HIGH POWER PULSED RADIO FREQ.			INPUT: 115/1/60. 3 KW AND 115/1/60. 4 KW. GENERATOR HIGH POWER PULSED RADIO FREQ.		
			3/2/44		658105	1/2/44	4GP6A1	P-7766464
			JUNE 44			DEC. 44		REV 1
			CS-52ACL-2	ASD (NK BR-46905)		CG-52ACY	TDY, X-TDY	
			AIRCRAFT RADAR TRANSMITTER: SAME AS -52ACL EXCEPT MAGNETRON HAS BEEN CHANGED TO 725A AND UNIT HAS BEEN REWORKED ELECTRICALLY BY SUBSTITUTION OF IMPROVED COMPONENTS. INTERCHANGEABLE ELECTRICALLY AND MECHANICALLY WITH -52ACL HAS STROMBERG-CARLSON MK 1 MODULATOR. 5/4/44 CANCELLED			RADIO TRANSMITTER: RE9256 INPUT: 115/1/60 AT 2 KVA. POWER OUTPUT DEPENDS ON THE OSCILLATOR UNIT USED. TYPE NO. DOES NOT INCLUDE OSCILLATOR UNIT.		
			3/2/44		658105	1/8/44	ML-4GP33A1	CG-T-7663458
			JUNE 44			DEC. 44		REV 2
			CRV52ACS	NK 26, MODS 1&2				
			RADAR TRANSMITTER					
			(PEAK POWER 50 KW. PULSE DURATION 0.5 MICROSECONDS AT 600 CPS) CONSISTS OF A STEEL BOX HOUSING A DUPLEXER WITH ITS CAVITY RESONATOR, AND COAXIAL TRANSMISSION LINES. SAME AS -52ABS EXCEPT THAT THE ANTENNA IS OMITTED AND A FITTING SUBSTITUTED FOR CONNECTING TO A FLEXIBLE TRANSMISSION LINE. SAME AS -52ACS EXCEPT FOR SIZE OF CAVITY RESONATOR.					
			10/1/43					
			JUN. 44					
			DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

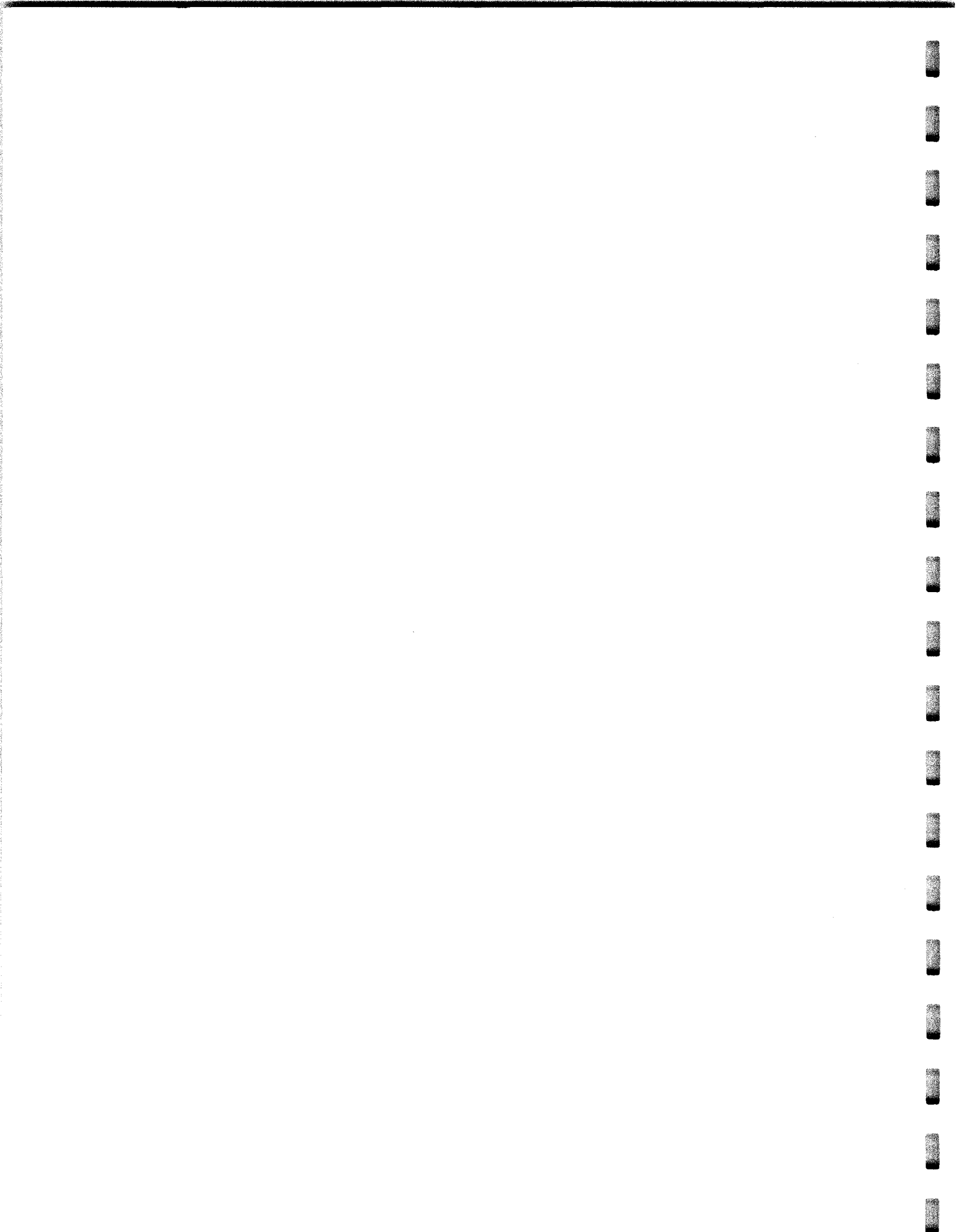
Class 52—Radio Transmitter Units

5.52-5

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-52ACZ SP-1M		RE154717	CG-52ADE TDY-1		RE 9258	-52ADJ SV		
RADAR TRANSMITTER ASSEMBLY: SUPPLY: 115/1/60. INCLUDES COY-144AM ECHO BOX, CG-46ADF OSCILLATOR-PREAMPLIFIER UNIT, CFW-50AED AMPLIFIER, AND CJA-60ACH SYNCHROSCOPE. SAME AS -52ACM EXCEPT MOUNTING DIMENSIONS ARE CHANGED AND SHOCK MOUNTS ARE OMITTED. 1/31/44 ML-4GPA2 JUN. 44			RADIO TRANSMITTER INPUT: 115/1/60. 2 KVA. SAME AS -52ACY EXCEPT HAS NEW PHOTOELECTRIC CELL AND METER ARRANGEMENT FOR OSCILLATOR FILAMENT TEMPERATURE INDICATION. FILAMENT VARIAC CONTROL MOUNTED ON FRONT PANEL. INCLUDES 3 POINT SWITCH TO VARY THE MODULATOR 6/9/44 ML-4GP35B1 OCT. 44			RANGE TRANSMITTER CONTAINS TWO 50(CMK 1) SYNCHRO GENERATORS CONNECTED BY A TRAIN OF GEARS HAVING A 36 TO 1 SPEED & ENCLOSED IN A CAST ALUMINUM CASE. MOUNTED AT BACK OF TYPE -23ACC RANGE UNIT & CONNECTED TO IT BY MEANS OF AN OLDHAM COUPLING. UNIT TRANS- 2/15/45 CW:0-152914 MAR. 45 CW:BR-45295 ISSUE 1		
(CG)DWGP-7766529, REV 0)		CG-52ACZ	BAND WIDTH.		CG-52ADE	52ADJ		
						MITS RANGE INDICATED ON TYPE -23ACC RANGE UNIT TO A REMOTE INDICATING UNIT OR UNITS.		
CRY-52ADA MK 26 MOD 3			CFW-52ADF BP			CRY-52ADK SR-2		
RADAR TRANSMITTER & HOUSING: PEAK POWER: 50 KW. PULSE DURATION 0.5 MICROSECONDS AT 600 CPS. CONSISTS OF HOUSING (WHICH ALSO CONTAINS -46ACY RF TO IF CONVERTER, -20183-A RECTIFIER POWER UNIT AND -50ABV-1 MODULATOR), T-R BOX, PULSE TRANSFORMER ASSEMBLY, MAGNETRON. 2/9/44 MI-4087-A 621319-1 JUN. 44			TRANSMITTER RF OSCILLATOR MOUNTS ON TYPE -43ACB MODULATOR & IF TO VIDEO CONVERTER FROM WHICH IT DERIVES ITS POWER AND MODULATION. USES 2 TYPE 15E TUBES. INPUT IMPEDANCE IS DETERMINED BY OPERATING CONDITIONS & IS NON-LINEAR. OUTPUT IMPEDANCE IS 50 OHMS. INCLUDES 7/15/44 300994 302017 APR. 45 REV 1			RADAR TRANSMITTER: CONTAINS POWER SUPPLY OF OPERATION FROM 115/1/60 AT 7 AMPS, CONTROL CIRCUITS, TRANSMITTING OSCILLATOR, AND TERMINAL BOARDS. 3/10/45 APR. 45		
		CRY-52ADA			CFW52ADF	CG-52ADL SX		
		RECTIFIER, CRYSTAL MIXER AND ASSOCIATED CABLING. INPUT 115/1/60, 4.8 AMPS, 420 WATTS, 115 VOLTS 0.435 AMPS 60- OR DC.			TRANSMITTER TUNING CONTROLS. SAME AS -52ACQ EXCEPT FOR FREQUENCY. ACCOMPLISHED BY CHANGE IN TUBES & OTHER CIRCUIT MODIFICATION.	RADAR TRANSMITTER: INPUT: 115/1/60, 60 WATTS FOR MAGNETRON 115/1/60, 250 WATTS FOR THE HEIGHT SYSTEM BLOWER, 115/1/60, 120 WATTS FOR SEARCH SYSTEM BLOWER. UNIT CONSISTS OF 2 TRANSMITTERS PERMANENTLY LOCATED IN FRAME. PART OF TYPE -43ADH RADAR TRANS- 3/21/45 4GP35A1 T-7664165 APR. 45 REV. 0		
CG-52ADB SC-4, SK-3			CG-52ADG SC-5					CG-52ADL
RADAR TRANSMITTER: SIMILAR TO -52ABH-1 EXCEPT (1) TRIGGER CONNECTION USES APPROVED (2) CONNECTORS CHANGED (3) APPROVED NAVY NOMENCLATURE USED (4) BATTLE SHORT IN INTERLOCK SYSTEM ADDED (5) FUSE ALARM AND FUSES REMOVABLE FROM FRONT PANEL (6) POWER AND 2/15/44 ML-7352010-G1 P-7767504 DEC. 44 REV. 0			RADAR TRANSMITTER SIMILAR TO CG-52ADB EXCEPT THE PULSE INDICATOR HAS BEEN OMITTED AND A BLANK PANEL ASSEMBLED IN ITS PLACE. SUPPLY: 115/1/60. 7/26/44 ML-7552057G1 P-7768021 OCT. 44			MITTER-RECEIVER ASSEMBLY.		
		CG-52ADB			CAQM-52ADH *SEE BELOW	CG-52ADM TDY-2		16T18 (RE)
		HEATER CONNECTORS COMBINED. SUPPLY 115/1/60.			TARGET DESIGNATION TRANSMITTER TRANSMITS TARGET BEARING AND /OR ARTIFICIAL HORIZON TO GUN DIRECTOR OPERATOR'S TRAIN & ELEVATION SCOPE. UTILIZES ERROR SIGNAL RESULTING FROM COMPARISON OF SYNCHRO SIGNALS FROM DIRECTOR TRAIN AND *TARGET DESIGNATION MK-2 MOD 11 7/31/44 CW:0-152885 APR. 45	RADIO TRANSMITTER: SUPPLY: 115/1/60. 4/12/45 MAY 45 CG:T-7664438 REV 0		
CLW-52ADC MAS					CG-52ADH	CKV-52ADM OCY		
RADIO TRANSMITTER: FREQUENCY 41 TO 51 MC., 200 WATTS OUTPUT. 4/26/44 JUN. 44					AND THE TARGET DESIGNATED.	RADAR TRANSMITTER: INPUT: 1000V DC AT 150 MA, 350V DC AT 500 MA, 28V DC AT 2 AMPS AND 6.3V AT 15 AMPS. RADIATES AT LEAST 10 WATTS AVERAGE POWER OF RF ENERGY OVER FREQUENCY RANGE OF 150 MC -1200 MC. PROVIDES AMPLITUDE MODULATED PULSES 2 MICROSECONDS 4/16/45 MAY 45		
		CG-52ADD MK 20 MOD 1			52A01			CGV-52ADM
		RADAR TRANSMITTER: SUPPLY: 115/1/400 AND 300V DC. INCLUDES TRANSMISSION LINE, TR BOX, MAGNET, MAGNETRON, PULSE TRANSFORMERS AND A BLOWER UNIT FOR COOLING THE MAGNETRON CHASSIS UTILIZES MAGNESIUM CONSTRUCTION. 5/22/44 X-66189-AE JUN. 44			DO NOT ASSIGN	LONG AND HAVING A PRF OF 2500/SEC. SIMILAR TO T-79A/SPT-6 EXCEPT OPERATES AT A LOWER FREQUENCY AND PROVIDES PULSE MODULATION. POWER CONSUMPTION 175 WATTS.		
			ASSIGNED			ASSIGNED		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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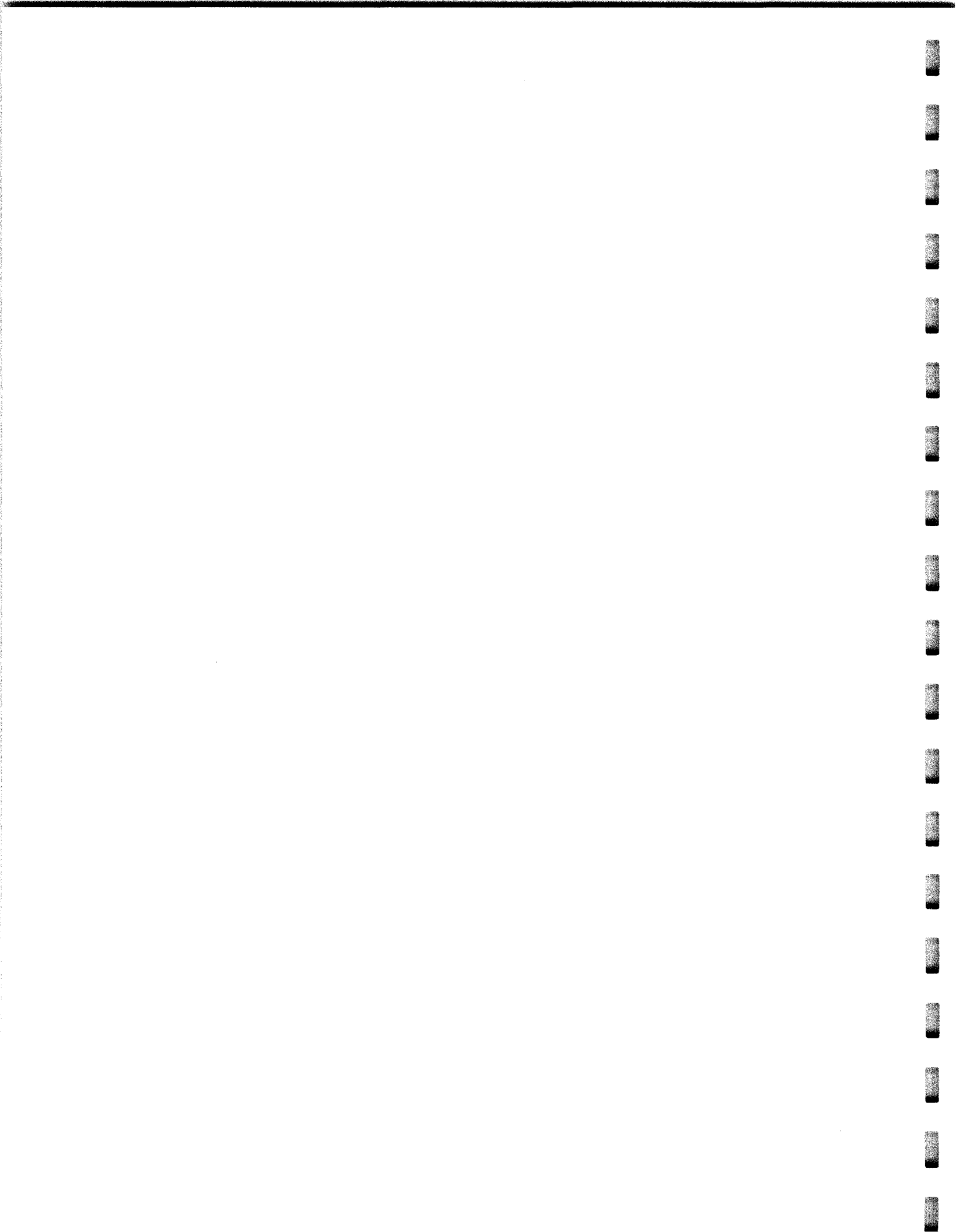


Class 53—Filter Units

CLASS 53

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NAVSHIPS 900,109



Class 53—Filter Units

5.53-1

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
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CG-53AAA MK 5 MOD 1
 FILTER UNIT FOR COMPARATOR
 RECTIFIER:

5/28/42
 JUN. 44

CRV 53AAB ATJ. ATK
 FILTER-JUNCTION BOX

DEC. 44 T-256179
 SUB. 1

CV-53AAC MK 13, MOD 0
 RECTIFIER FILTER UNIT
 SUPPLIES REGULATED + 300 VOLTS DC AT
 1200 MILLIAMPERES IN CONJUNCTION WITH
 TYPE -20ADJ RECTIFIER. POWER DISSIPAT-
 ING 80 WATTS. MOUNTED ON CHASSIS THAT
 CAN BE PLUGGED IN TYPE -20ACU RECTIFIER
 CABINET ASSEMBLY.
 9/5/44 D-152569 BX-21559
 OCT. 44 ISSUE 1

-53AAD YQ
 FILTER UNIT:
 PROVIDES BAND PASS CHARACTERISTIC FOR
 "S" BAND INPUT. CONSISTS OF L SECTION
 OF "S" BAND WAVEGUIDE WHICH HAS 3 RE-
 SONANT GAPS SPACED 1/4 WAVE LENGTH APART
 WITH EACH GAP TUNED TO CENTER FREQUENCY
 OF BAND. HAS CONTACT FLANGE UG-66/U ON
 1/11/45
 MAR. 45

-53AAD
 ONE END AND CHOKE FLANGE UG-65/U ON
 OTHER END. INCLUDES 0-30 LBS DIFFERENTIAL
 PRESSURE GAUGE.

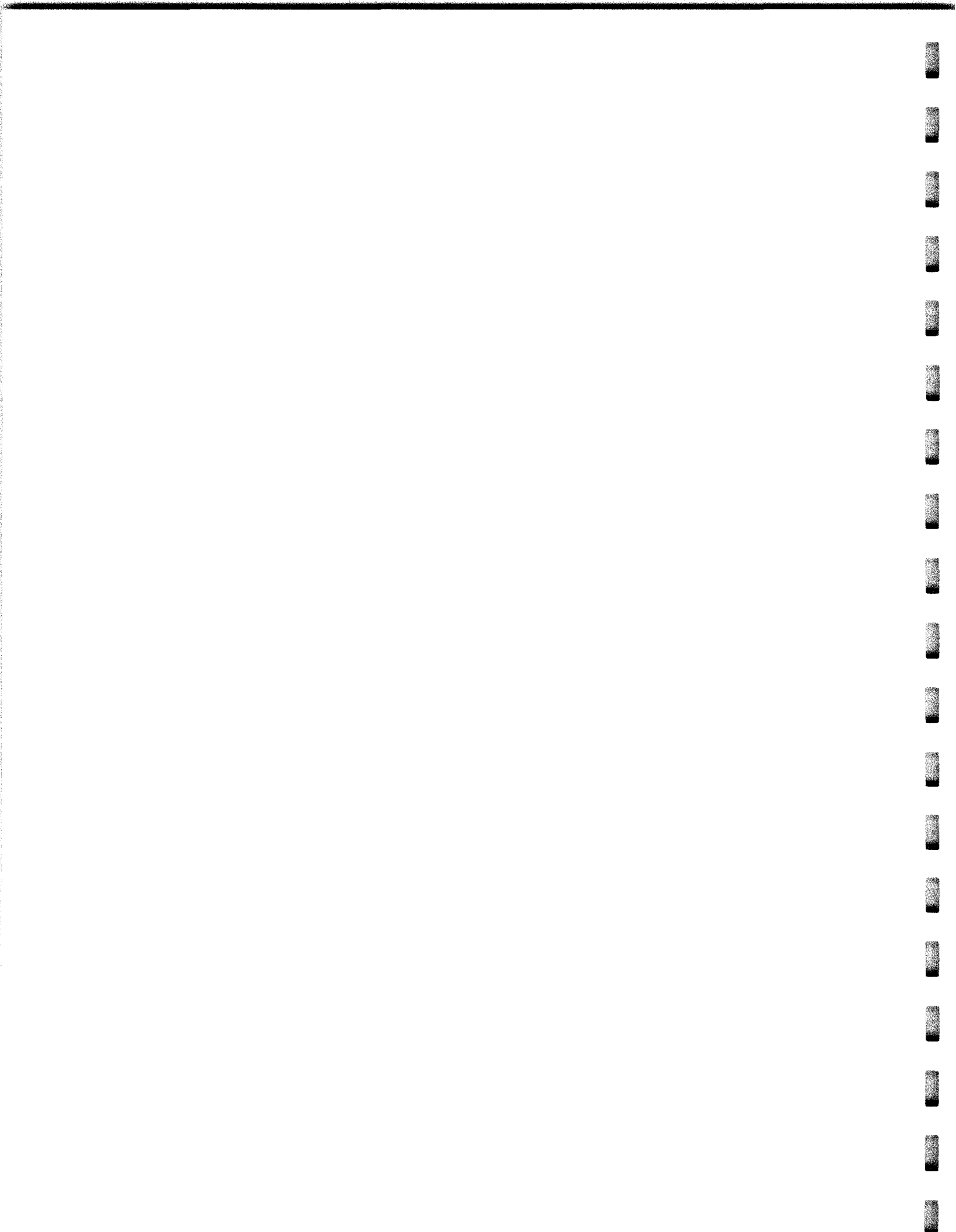
CRV-53AAE SR-2
 PULSE SYNCHRONIZING UNIT:
 RECEIVES PULSES FROM TYPE -35ABV TRIGGER
 UNIT, SHARPENS AND DELAYS FROM 1 TO 3
 MICROSECONDS AND THEN TRANSMITS THEM TO
 THE TYPE -55AGG INDICATOR CONSOLE. PART
 OF -43ACX RADAR TRANSMITTER-RECEIVER.

1/19/45
 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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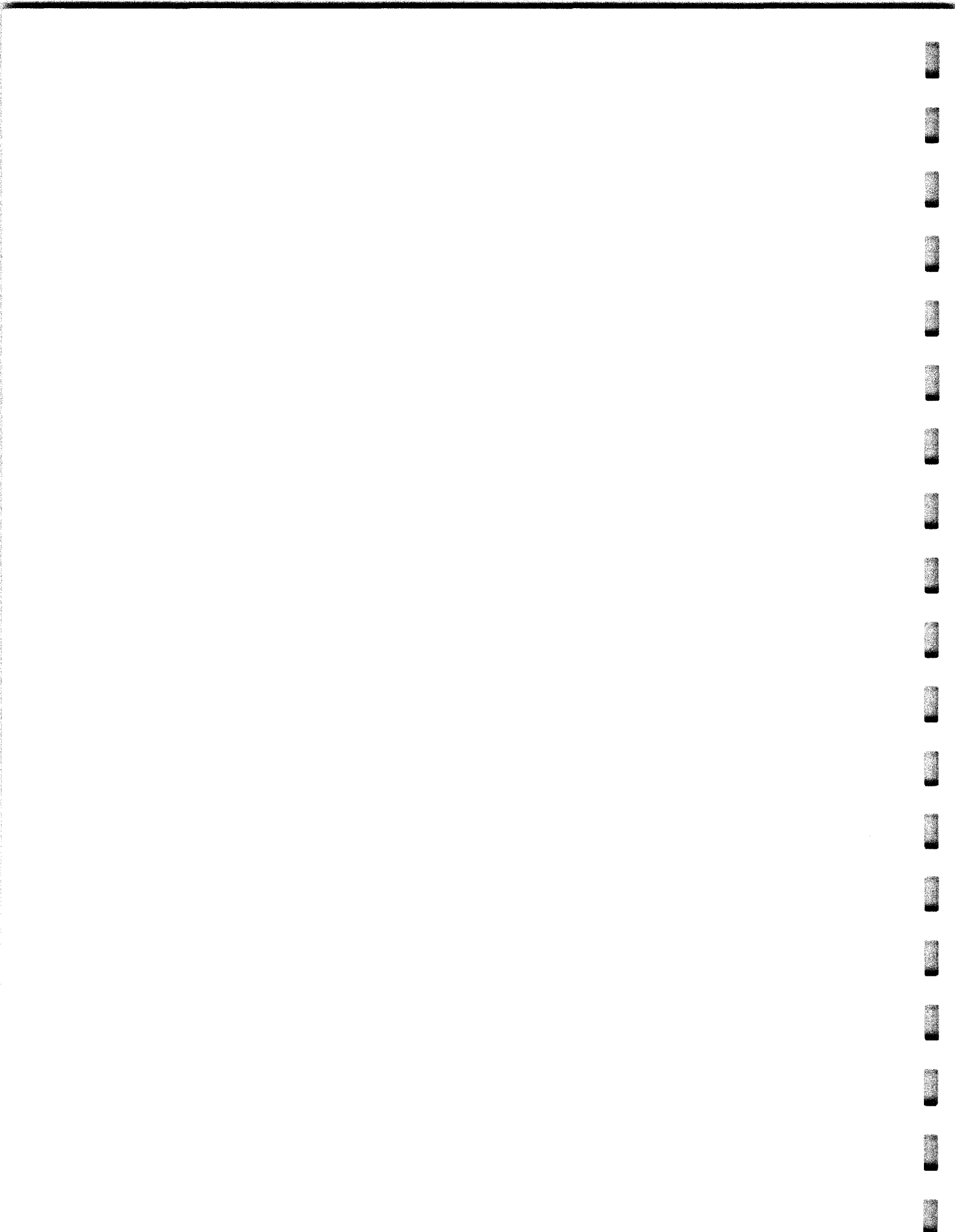


Class 55—Indicators and Recorders

CLASS 55

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NAVSHIPS 900,109



Class 55—Indicators and Recorders

5.55-1

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
<p>CW-55AAA FA INDICATOR DISK PANEL ASSEMBLY OF FOLLOWING UNITS: CW 20AAC PLATE POWER RECT. CH-50AAD SWEEP CIRCUIT PANEL. CW-20AAD OSCILLO- SCOPE POWER RECT. CW-74AAA DETECTOR & CALIBRATOR.</p> <p>2/25/41 D-150184 CW:ESR-678375-1 JUN. 44</p>			<p>CG-55AAG MK 5(EX CXAZ) ELEVATION INDICATOR IDENTICAL TO CG-55AAF.</p> <p>11/1/41 ML-58130-13G1 M-7466956 JUN. 44 REV 1</p>			<p>CW-55AAM -55AAU(SH) BEARING INDICATOR(SHOULD BE TRAIN INDICATOR): SYNCHRO OPERATED RELATIVE & TRUE BEARINGS. 5" HIGH X 4" W X 4"D.</p> <p>12/13/41 D150355 XX748138 JUN. 44</p>		
<p>CW-55AAB FC CONTROL AND INDICATOR INDICATOR CONTAINS 5" CATHODE-RAY TUBE AND NECESSARY CIRCUITS FOR DEFLECTION AND INDICATION. REFLECTED SIGNAL INFOR- MATION OBTAINED FROM TYPE 46AAR RECEIVER IS USED TO PRODUCE HORIZONTAL DEVIATION TO RIGHT AND LEFT OF VERTICAL BASE LINE. 5/15/41 D150254 MN474 JUN. 44</p>			<p>CG-55AAH MK 5(EX CXAZ) CO (CONTROL OFFICERS) INDICATOR INPUT: 115/6.3VAC/1/60 AT 4/1 AMPS AND 350 V DC AT .2 AMPS. SIMILAR IN APPEAR- ANCE TO CG-55AAE. HAS FULL RANGE SWEEP WITH INCOMING SIGNALS IN VERTICAL DEFLEC- TION.</p> <p>11/1/41 ML-58082-23G1 M-7466953 JUN. 44 REV 1</p>			<p>CW-55AAP FH CONTROL INDICATOR CATHODE RAY TYPE NO SCALE; ACTUAL RANGE OBTAINED FROM TYPE CW-23AAV RANGE UNIT. INCLUDES A WESTERN ELECTRIC TYPE D-150412 RF AMPLIFIER. ALSO GIVES INDI- CATION OF AZIMUTH RELATIVE TO THE DI- RECTOR 16 1/2" HIGH X 11 3/8" WIDE X 12/13/41 D150320 XX748093 JUN. 44</p>		
<p>CW-55AAB DISTANCE TO REFLECTING OBJECT MEASURED DIRECTLY ON SCALE WHICH IS CONTROLLED BY SYNCHRONIZED VERTICAL DEFLECTION CIRCUIT.</p>			<p>CRY-55AAJ ASA RANGE INDICATOR HEIGHT 12 5/8". WIDTH 14". INPUT 1.4A @ 27V DC 0.5A @ 120V DC 800- AC.</p> <p>11/18/41 T620523 JUN. 44</p>			<p>CW-55AAP 23" DEEP.</p>		
<p>CW-55AAC FC-FD TRAIN OR ELEVATION INDICATOR TRAIN OSCILLOSCOPE</p> <p>5/15/41 D150253 JUN. 44</p>			<p>CRY 55AAK ASA ALTIMETER INDICATOR CIRCULAR TRACE TYPE. RANGE OF OUTER TRACE: 20,000 FEET; RANGE OF INNER TRACE: 2000 FEET. OPERATES FROM 120/1/800, 9 WATTS. OR 300V DC AT 40 MA AND 27V DC AT 0.5 AMP.</p> <p>11/18/41 M1-18103 P-720823 JUN. 44</p>			<p>CW-55AAQ FH TRAIN INDICATOR CATHODE RAY TYPE-NO SCALE; INDICATES RE- LATIVE BEARING WITH RESPECT TO THE DI- RECTOR. 10 1/2" HIGH X 7 1/2" WIDE 16 1/2" DEEP.</p> <p>12/13/41 D150321 XX748093 JUN. 44</p>		
<p>RA-55AAD XAT(ASB) INDICATOR (RANGE)</p> <p>11/1/41 JUN. 44</p>			<p>CW-55AAL SJ RANGE INDICATOR ASSOCIATED WITH CW-23AAV RANGE UNIT 16 1/2" H. 22 1/2" D. 11 3/8" W. WT. 80#</p> <p>12/13/41 D150314 ESX748094 JUN. 44</p>			<p>CW-55AAR FH SCAN POSITION INDICATOR SELSYN TYPE; INDICATES THE ACTUAL BEAR- ING OF THE DIRECTOR WITH RESPECT TO THE SHIP. 5" HIGH X 5" DEEP X 4" WIDE; 10 LBS.</p> <p>12/31/41 D-150334 CW:ESXX-740093 JUN. 44</p>		
<p>CG-55AAE MK 5(EX CXAZ) RANGE INDICATOR INPUT: 115/1/60 AT .5 AMPS AND 500/300 V DC AT .1/.07 AMPS. THIS IS A CATHODE RAY INDICATOR USING 5" TUBE AND ENCLOSING AMPLIFIER. HAS AN APERTURED SWEEP WITH PRECISE ELECTRICAL TARGET MARKER IN VERTICAL DEFLECTION AND INCOMING SIGNALS 11/1/41 ML-58130-55G1 M-7466953 JUN. 44 REV 1</p>			<p>CW-55AAL-1 SJ-1 RANGE INDICATOR SAME AS -55AAL EXCEPT FOR SWITCH OF AN ANTENNA POWER CONTROL SWITCH.</p> <p>2/17/43 D-151494 BXX-12199 JUN. 44 ISSUE 1</p>			<p>CW0 55AAS SE & SJ TRAIN INDICATOR CONSISTS OF TWO DIALS. MAIN DIAL AND VERNIER DIAL. MAIN DIAL GRADUATED FROM 0 TO 360 DEGREES IN 10° INTERVALS AND VERNIER GRADUATED FROM 0 TO 10 DEGREES IN 5 MINUTE INTERVALS. THE READING INDI- CATES AZIMUTH POSITION OF THE ANTENNA 1/2/42 D-150456 ESR-683649 JUN. 44 ISSUE 2</p>		
<p>CG-55AAE IN INTENSITY POWER SUPPLIED BY CG-20AAN.</p>			<p>CW-55AAL-2 MARK 27 RANGE INDICATOR SAME AS -55AAL-1 EXCEPT FOR SUBSTITUTION OF 3324 RECTIFIER TUBE FOR THE 2 X 2 RECTIFIER TUBE.</p> <p>9/25/43 D-151810 BXX-15102 JUN. 44 ISSUE 3</p>			<p>CW0-55AAS WITH RESPECT TO THE TARGET.</p>		
<p>CG-55AAF MK 5(EX CXAZ) TRAIN INDICATOR: INPUT: 6.3/6.3VAC/1/60 AT 4/1 AMPS AND 350 V DC AT .2 AMPS. A SPECIAL SHORT 3" CATHODE RAY TUBE. HAS APERTURED SWEEP. INCOMING SIGNALS IN VERTICAL DEFLECTION AND HORIZONTAL SEPARATION OF PULSES FOR "PEP MATCHING". 11/1/41 ML-58130-13G1 ML-7466956 JUN. 44 REV 1</p>			<p>CW-55AAM -55AAT;-55AAU(SH) PLAN POSITION INDICATOR. "P.P.I." INDICATOR.</p> <p>12/13/41 D150326 XX748138 JUN. 44</p>			<p>CW-55AAT SE RANGE INDICATOR INPUT: 115/6.3/6.3V AC AT 57.5 CYCLES, SINGLE PHASE AND .25/4.0/3.3 AMPS ALSO 450V DC AT .26 AMPS. CONSISTS OF CATHODE RAY TUBE, POWER SUPPLY AND ALL NECESSARY CONTROLS. MEASUREMENT ACCOMPLISHED BY MEANS OF A SINGLE R-C TYPE CIRCUIT. CON- 4/11/42 D-150529 CW:ESXX-682565 JUN. 44 SUB 3</p>		

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

5.55-2

Class 55—Indicators and Recorders

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
CM-55AAT			CRV 55ABA ASB			CM-55ABD MK 9		
TAINS TWO RANGE INDICATOR DIALS ONE CALIBRATED TO READ IN 1000 YARD DIVISION AND SECOND CALIBRATED TO READ IN 200 YARD DIVISIONS.			RANGE INDICATOR			CONTROL INDICATOR		
						INPUT: 6.3/6.3/115 (60 CYCLES) & 300 VOLTS DC AT		
			2/11/42		P-255013	4/1/42		D-150517
			JUN. 44		SUB 1	JUN. 44		
CM-55AAU SH			CPR 55ABB ASE			CM-55ABE MK 9		
INDICATOR PANEL			RANGE INDICATOR			TRAIN & ELEVATION INDICATOR		
ASSEMBLY CONSISTING OF CM-23ABB RANGE UNIT, CM-23ABC ANTENNA CONTROL UNIT, CM-55AAM PLAN INDICATOR, CM-55AAN BEARING INDICATOR & CM-55AAY RANGE INDICATOR. SAME AS TYPE CM-55AAT EXCEPT FOR SUBSTITUTION OF CM-55AAN FOR CM-55AAM.			CONSISTS OF SPECIAL 5" CATHODE RAY TUBE TOGETHER WITH SWEEP GENERATION CIRCUITS FOR 3 RANGES: 10, 40 AND 100 STATUTE MILES.					
1/8/42		D-150461	3/4/42		5-L0-60	4/1/42		D-150516
JUN. 44			JUN. 44		SUB 0	JUN. 44		
CM-55AAV -55AAT, -55AAU(SH)			CRP 55ABC SG(SERIAL#1-5)			CM-55ABF MK 9		
RANGE INDICATOR			RANGE & TRAIN INDICATOR			TRAIN & ELEVATION INDICATOR		
SIMILAR TO CM-55AAL BUT LESS MOUNTING FRAME, PART OF CM-55AAU INDICATOR PANEL.			OVERALL: 26 3/4" HIGH, 39 3/8" LONG (HANDLES CLOSED) 34 1/2" DEEP (HOOD EXTENDED), 25 11/16" (HOOD OFF) DEEP. CASE IS OF ALUMINUM, WEIGHT 375 LBS. INCLUDES PPI SUBASSEMBLY WHICH COMPRISES THE PPI TUBE, TRUE AND RELATIVE BEARING INDICATOR.					
1/8/42		D-150462	3/16/42		WX-3878	4/1/42		D-150513
JUN. 44			JUN. 44		DWG 74-5041	JUN. 44		
					SUB 0			
CS-55AAM A1A			CRP 55ABC			CPN 55ABG CXBG		
INDICATOR			CATOR, AND TWO SYNCHRO UNITS. INCLUDES RANGE COUNTER SUBASSEMBLY WHICH COMPRISES A HAND WHEEL, TWO VEEDER-ROOT COUNTERS AND A SYNCHRO TRANSMITTER INPUT 115/1/60 AT 4.0 AMP 400 WATT, 87% PF. PPI ASSEMBLY IS MFG. TYPE WX-3893. RANGE COUNTER ASSEMBLY IS MFR WX-3894.			INDICATOR (PULSE RATE)		
CONSISTS OF CATHODE RAY TUBE WITH CONTROLS FOR BRILLIANCE, ELEVATION, GRID FOCUS. TWO SEARCH POSITIONS AT 100 AND 3 MILES AND ONE SIGHT POSITION AT 1000 YARDS.								
5/7/42		R-5657075				4/3/42		
JUN. 44						JUN. 44		
CAY 55AAX ASB-1			CRP-55ABC-1 SG(SERIALS #6 & UP)			CM-55ABH MK 10		
RANGE INDICATOR			RANGE AND TRAIN INDICATOR;			MODULATOR & INDICATOR		
			SAME AS BASIC NUMBER EXCEPT. OVERALL HEIGHT IS 25 1/4"; CASE IS OF STEEL; WEIGHT IS APPROXIMATELY 550 LBS; HOLE FOR RANGE TUBE ON FRONT PANEL HAS BEEN LOWERED 1/16"; HOLE FOR BEARING DIAL 5/16/42 WX-3878			ASSEMBLY: CONSISTS OF A SEMICIRCULAR ALUMINUM FRAME AND THE FOLLOWING:		
2/4/42		CAY:P-7709061	5/16/42		WX-3878	D-150471 HIGH VOLTAGE RECTIFIER.		
JUN. 44		REV 0	JUN. 44		DWG-74-5040	D-150477 TRAIN & ELEVATION INDICATOR		
					SUB 0	CONTROL D-150474 MODULATION GENERATOR		
						D-150470 RANGE INDICATOR (CONSISTS OF		
						4/13/42 D-150469		
						JUN. 44		
CAY 55AAY ASB-2			CRP-55ABC-1			CM-55ABH		
RANGE INDICATOR			ON FRONT PANEL HAS BEEN LOWERED 1/2", HOLE ON FRONT PANEL FOR PPI HAS BEEN LOWERED 1/16". OTHERWISE THIS UNIT IS IDENTICAL WITH CRP-55ABC.			D-150412 IF AMPLIFIER & D-150523 RANGE UNIT).		
2/4/42		CAY:P-7709061						
JUN. 44		REV 0						
CJP 55AAZ ASB-3			CRP 55ABC-2 SG(SERIALS 1-5)			55ABT		
RANGE INDICATOR			RANGE AND TRAIN INDICATOR			UNASSIGNED		
THREE SCALES 0-7, 0-28, 0-70 MILES. HAS 0-2 MILE SCALE WHICH CAN BE READ BY THROWING TOGGLE SWITCH.			SAME AS CRP-55ABC EXCEPT FOR REPLACEMENT OF INTERNAL GEARS BY A NEW ASSEMBLY OF GEARS AND ADDITION OF A SYNCHRO CG-21857 TO MAKE UNIT AMENABLE FOR OPERATING REMOTE PLAN POSITION INDICATOR.					
2/4/42		P-7708603	12/3/42		WX-3878-A			
JUN. 44		SUB 1	JUN. 44		DXG-91-5038			
					SUB 2			
CJP 55AAZ-1 ASB-7			CRP 55ABC-3			CM-55ABJ MK 10		
RANGE INDICATOR			RANGE AND TRAIN INDICATOR.			TRAIN & ELEVATION INDICATOR		
SAME AS -55AAZ EXCEPT SWITCH FOR 2 MILE RANGE IS ELIMINATED; TWO MILE RANGE HAS BEEN ADDED TO REGULAR RANGE SWITCH BY USE OF EXTRA STOP.			SAME AS CRP-50ABC-1 EXCEPT FOR REPLACEMENT OF INTERNAL GEARS BY A NEW ASSEMBLY OF GEARS AND ADDITION OF A SYNCHRO (CG-21857) TO MAKE UNIT AMENABLE FOR OPERATING REMOTE PLAN POSITION INDICATORS			(SEE ALSO CM-55ADR)		
5/4/43			12/3/42		WX-3878-A	4/13/42		D-150473
JUN. 44			JUN. 44		DXC-91-5038	JUN. 44		
					SUB 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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Class 55—Indicators and Recorders

5.55-3

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
CRY 55ABK SA			CW-55ABW			CG-55ABQ MK 5 MOD 1		
TRAIN INDICATOR-CONTROL UNIT: TRAINING ACCOMPLISHED BY ROTATING KNOB ON FRONT PANEL WHICH CONTROLS OUTPUT OF THIS UNIT AS SUPPLIED TO THE TYPE CRV-50AAY TRAINING CONTROL AMPLIFIER. INDICATOR PROVIDES TRUE AND RELATIVE BEARINGS. FOR USE ON SHIPS HAVING STEP	4/15/42	M-422481	SAME AS -55ABH EXCEPT FOR SUBSTITUTION OF STEEL FOR ALUMINUM FRAME AND MINOR INTERNAL WIRING CHANGES.			RANGE TAKER'S MONITOR INDICATOR: CONTAIN SIGNAL LIGHTS AND SWITCHES FOR DETERMINING THE MODE OF OPERATION OF THE SYSTEM (AUTOMATIC, MANUAL, COAST, ETC). THERE ARE ALSO 3 METERS FOR INDICATING THE ERROR IN RANGE ELEVATION AND TRAIN DURING TRACKING.	5/27/42	ML-7662037-G1
JUN. 44		SUB 0					JUN. 44	
CRY 55ABK			CW-55ABN-1 MK 10 MOD 5			CG-55ABR MK 5 MOD 1		
BY STEP COMPASS (70/22) INPUT 115/1/60 19.6 AMPS 1950 WATTS. OUTPUT 115/1/60 18.9 AMPS 1890 WATTS.			MODULATOR & INDICATOR ASSEMBLY CONSISTS OF STEEL FRAME, D-151734 RANGE INDICATOR, D-150523 RANGE UNIT, D-150828 IF AMPLIFIER, D-150471 HV RECTIFIER, D-151735 MODULATOR & CONTROL, D-150474 MODULATION GENERATOR, D-151736 TRAIN & ELEVATION INDICATOR CONTROL D-151623	8/10/43	D-151733	C. O. MONITOR INDICATOR IDENTICAL TO CG-55ABQ EXCEPT FOR TERMINAL BOARD NUMBERS AND TERMINAL TUBES.	5/27/42	ML-7662037-G2
				JUN. 44			JUN. 44	
CRY 55ABL SA-1			CW-55ABN-1			CG-55ABS MK 5 MOD 1		
TRAIN INDICATOR-CONTROL UNIT: TRAINING ACCOMPLISHED BY ROTATING HAND CRANK ON FRONT PANEL WHICH CONTROLS OUTPUT OF THIS UNIT AS SUPPLIED TO THE TYPE CRV-50AAY TRAINING CONTROL AMPLIFIER. INDICATOR PROVIDES TRUE AND RELATIVE BEARINGS. FOR USE ON SHIPS HAVING SYNCHRO	4/15/42	M-422481	AUTOMATIC FREQUENCY CONTROL. SAME AS BASIC NUMBER EXCEPT FOR ADDITION OF AFC UNIT AND SUBSTITUTION OF "AN" CONNECTORS FOR INTERNAL TERMINAL STRIPS.	8/10/43	D-151733	ELEVATION BALANCE INDICATOR CONTAINS SIGNAL LIGHTS TO SHOW THE MODE OF OPERATION AND THE METER FOR INDICATING ELEVATION BALANCE OR ELEVATION ERROR.	5/27/42	ML-7764298-G2
JUN. 44		SUB 0		JUN. 44			JUN. 44	
CRY 55ABL			CW-55ABO ASB-4			CG-55ABT MK 5 MOD 1		
COMPASS (1-36) INPUT 115/1/60 19.6 AMPS 1950 WATTS. OUTPUT 115/1/60 18.9 AMP 1890 WATTS.			RANGE INDICATOR INCLUDES A 5" CATHODE-RAY TUBE WITH NECESSARY CIRCUITS FOR DEFLECTION AND INDICATION. THE REFLECTED SIGNAL INFORMATION OBTAINED FROM THE RADAR RECEIVER IS USED TO PRODUCE A HORIZONTAL DEVIATION TO THE RIGHT AND THE LEFT OF A VERTICAL	5/8/42	MI-17022	TRAIN BALANCE INDICATOR IDENTICAL TO CG-55ABS EXCEPT FOR TERMINAL BOARD NUMBERS.	5/27/42	ML-7764298-G1
				JUN. 44	P-255214		JUN. 44	
					SUB 2			
CRY 55ABL-1 SA-2			CW-55ABO			CG-55ABU MK 5 MOD 1		
TRAIN INDICATOR-CONTROL UNIT SAME AS BASIC NUMBER EXCEPT, HAND HOLE ADDED PLUG MOVED, LARGER THUMB SCREWS USED. (SEE TN FILES) CONTAINS -55AFE BEARING INDICATOR AND -25AEX CONTROL UNIT.	1/22/43	MI-18005-3	BASE FIVE DEPENDING ON THE STRENGTH OF THE REFLECTED SIGNAL PICKED UP BY THE PORT AND STARBOARD ANTENNAS. THE DISTANCE TO THE REFLECTING OBJECT IS OBTAINED FROM A SCALE WHICH IS CONTROLLED BY A SYNCHRONIZED VERTICAL DEFLECTION CIRCUIT			C. O. INDICATOR SIMILAR TO CG-55AAH; SAME CASE BUT DIFFERENT SWEEP CIRCUIT. INCOMING SIGNAL APPEARS AS VERTICAL DEFLECTION ON THE CATHODE RAY TUBE. INPUT: 115V AC AT 4 AMP; 6.3V AC AT 1 AMP; 350V DC AT 200 MA.	5/27/42	ML-7351085-G1
	JUN. 44		(VOLTS: 6.4AC 350 DC 2000 DC INPUT (AMPS: 3.8 0.045 0.0005				JUN. 44	
		M-440416						
		SUB 0						
CRY 55ABM SA-1			CW-55ABO-1 ASB-8			CG-55ABV ASC		
TRAIN INDICATOR-CONTROL UNIT TRAINING ACCOMPLISHED BY ROTATING HAND CRANK ON FRONT PANEL WHICH TURNS A METAL ROD WHICH IN TURN ROTATES THE ANTENNA. INDICATOR PROVIDES ONLY RELATIVE BEARINGS. INPUT: 115/1/60 13.9 AMP 1340 WATTS. OUTPUT: 115/1/60 12.4 AMPS	4/22/42	M-422483	RANGE INDICATOR SAME AS -55ABO EXCEPT HAS AN ADDITIONAL (2 MILES) SCALE. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH -55ABO.	2/13/43	MI-17022A	PLAN INDICATOR	6/6/42	D-150504
JUN. 44		SUB 0		JUN. 44		PPI	JUN. 44	ESR-690276
								ISSUE 1
CRY 55ABM			CPR 55ABP CXBS			CG-55ABW MK 6 RADAR		
1240 WATTS.			INDICATOR UNIT: AN ELECTRONIC INDICATING DEVICE DESIGNED TO REPRODUCE, ON ONE OF A BANK OF 20 NEON LAMPS, ON INDICATION CORRESPONDING TO AND CONTROLLED BY ONE OF A BANK OF 20 CONTROL KEYS IN THE ASSOCIATED TRANSMITTER (CXBT) EQUIPMENT. INPUT IMPEDANCE	5/16/42	6L0-162	RANGE INDICATOR LOCATED IN THE DIRECTOR AND IS USED BY THE RANGE READER. SCALES ARE 20,000 YARDS AND 2000 YARDS.	7/11/42	
				JUN. 44			JUN. 44	
CW-55ABN MK 10 MOD 1			CPR 55ABP			CG-55ABX MK 6 RADAR		
MODULATOR & INDICATOR ASSEMBLY: CONSISTS OF STEEL FRAMES, D-150470 RANGE INDICATOR, D-150523 RANGE UNIT, D-150828 IF AMPLIFIER, D-150471 HV RECTIFIER, D-150634 MODULATOR & CONTROL D-150474 MODULATION GENERATOR, D-150472 TRAIN & ELEVATION INDICATOR CONTROL.	4/28/42	D-150597	TO SPEAKER IS 500 OHMS AT 750 CYCLES. TO COUNTER CIRCUITS IS 25000 OHMS AT 750 CYCLES. INPUT: 115/1/60 AT 1.6 AMPS. 180 WATTS.			TRAIN INDICATOR LOCATED NEAR THE TRAINER AND INCORPORATES BOTH A CATHODE RAY TUBE AND A METER FOR READINGS RIGHT AND LEFT ANGULAR DEVIATIONS OF THE TARGET FROM THE CENTER LINE THROUGH THE ANTENNA.	7/11/42	
JUN. 44							JUN. 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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NAVSHIPS 900,109

5.55-4

Class 55—Indicators and Recorders

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
CRV 55ABY MK 6 RADAR ELEVATION INDICATOR LOCATED NEAR THE POINTER AND INCORPORATES BOTH A CATHODE RAY TUBE AND A METER FOR READING THE UP AND DOWN DEVIATIONS OF THE TARGET WITH RESPECT TO THE ANTENNA.	7/11/42 JUN. 44		CS-55ACE ASD RANGE-AZIMUTH INDICATOR CONSISTS OF A MAGNETICALLY DEFLECTED CATHODE RAY TUBE WITH CONTROLS FOR BRILLIANCE, FOCUSING, BACKGROUND INTENSITY, AND HORIZONTAL AND VERTICAL CENTERING.	7/16/42 R-657004 JUN. 44	R-657044-C	CM-55ACJ VERTICAL LINES INDICATE 0°, ±30°, ±60°, ±90° RELATIVE BEARING.		
CRV 55ABZ MK 6 RADAR C.O. INDICATOR LOCATED IN THE DIRECTOR, NEAR THE CONTROL OFFICER. HAS A 20,000 YARD SCALE FOR COARSE MEASUREMENTS OF RANGE.	7/13/42 JUN. 44		CRY 55ACF ASA-1 RANGE INDICATOR DEFLECTION RANGES: 72 MILES, 20 MILES. SWEEP FREQ. 1010.68 CPS. CRYSTAL CONTROLLED FREQ: 80.854 KC. PULSE OUTPUT TO TRANSMITTER: NEGATIVE 40 VOLTS, 50 MICROSECONDS LONG. INPUT: 120/1/800, 12 WATTS OR 300V DC AT 110 MA AND 27V DC 7/23/42 MI-18102-A JUN. 44			CPR 55ACK ASE-1 RANGE INDICATOR RANGES ARE 10, 40 AND 100 STATUTE MILES. SCALE IS CALIBRATED IN THE CORRESPONDING NAUTICAL MILES, 9, 36 AND 90. DIRECTION INDICATED BY SIZES OF PULSES ON RIGHT AND LEFT SIDE OF SWEEP LINE. TRANSMITTER TRIGGERING PULSES ARE POSITIVE; 8/26/42 SLO-60 JUN. 44 REV 0		
CRV 55ACA MK 6 RADAR RANGE RATE REPEATER INDICATOR: CONSISTS OF A SYNCHRO MOTOR PROVIDED WITH A DIAL CALIBRATED IN KNOTS. IT IS SUPPLIED WITH SIGNAL FROM THE TYPE CRY-50ABG RADAR RANGE RATE INDICATOR AND IS LOCATED IN THE PLOTTING ROOM NEAR THE COMPUTER. 7/13/42 JUN. 44			CRY 55ACF AT 1.5 AMP. SIMILAR TO CRY-55AAJ EXCEPT FOR ADDITION OF: CONNECTION FOR REPEATER INDICATOR, SUBCHASSIS WITH AMPLIFIER FOR REPEATER INDICATOR, A RELAY ASSEMBLY, A RESISTOR, A RECEPTACLE (500 OHMS) FOR SUPERIMPOSING AN EXTERNAL SIGNAL ON THE VIDEO CIRCUITS.			CPR 55ACK 1.7 MICROSECONDS LONG AT A RATE OF 300 TO 500 CPS. INPUT POWER IS OBTAINED FROM EQUIPMENT RECEIVER AND IS: 400V DC AT 40 MA, 4V 800 CPS AT 1 AMP, 6.3V 800 CPS AT 2.25 AMP, AND MINUS 2000 V DC AT 1 MA. INTERCHANGEABLE AS A WHOLE WITH CPR-55ABB.		
CRR 55ACB ASB-5 RANGE INDICATOR INPUT: 6.3/1/600-1400, 3.3 AMP FOR FILA-MENTS; 375V DC AT 50 MA FOR PLATES; AND 2000 V DC AT 0.53 MA FOR PLATES. SHOCK-MOUNTED. INCLUDES JACKS FOR TRANSMITTER, PORT ANTENNA UNIT STARBOARD ANTENNA UNIT AND POWER UNIT; CONTROLS HORIZONTAL AND 7/14/42 L73747C JUN. 44			CPR 55ACG ASG, ASG-1 PLAN REPEATER INDICATOR INDICATOR CALIBRATION IS OBTAINED BY RANGE MARKS APPEARING AS CONCENTRIC CIRCLES ON THE SCREEN OF THE INDICATOR TUBE. THE CIRCLES BEING ADJUSTABLE BY A RANGE SWITCH ON THE RECEIVER UNIT FOR 0 TO 5, 0 TO 20, 0 TO 50, AND 0 TO 90 7/31/42 SLO-177 JUN. 44			CRV 55ACL SD-3 RADAR RECEIVER-INDICATOR UTILIZES 5" CATHODE RAY TUBE. TWO RANGES PROVIDED, 15 AND 60 MILES. ECHO PRODUCES UPWARD INDICATION; THE RANGE MARKERS AT INTERVALS OF TWO MILES PRODUCE DOWNWARD INDICATION. INCLUDES AN IFF AMPLIFIER FOR USE WITH EXTERNAL RECOGNITION EQUIP- 9/4/42 CRV:MI-18031-B CRV:M-422799-1 JUN. 44 SUB 3		
CRR 55ACB VERTICAL CENTER, BRILLIANCE, FOCUS, RE-CEIVER GAIN AND RANGE. ALSO HAS TUNING CRANK.			CPR-55ACG NAUTICAL MILES. DIRECTION IS INDICATED BY DIRECTION OF IMAGE FROM CENTER OF TUBE. INPUT: 4000V DC, 5 MA, 0.02 WATTS AND 200V DC, 11 MA, 2.2 WATTS AND 6.3V AC OR DC, 0.6 AMPS, 3.78 WATTS.			CRV 55ACL MENT. POWER INPUT: 115/1/60, 1.6 AMP, 180 WATTS.		
CG-55ACC SC-2 PLAN POSITION INDICATOR MASTER PPI INPUT: 115/1/60, 3.4 AMPS 365 WATTS (SEE CORRESPONDENCE) *CONSISTS OF DL4W120A71 SCOPE, DL4W121AC1 SWEEP UNIT, DL4W122AG1 VIDEO UNIT. 7/16/42 *DL4W135AG1 W19J566 JUN. 44 REV 0			CM-55ACH ASC-1 PLAN INDICATOR SAME AS CM-55ABY EXCEPT USES A NEW INDICATOR SYNCHRO UNIT. 8/12/42 JUN. 44			55ACH SD-3 TRAIN-INDICATOR TO CONTROL THE AZIMUTH SETTING OF THE ANTENNA AND ITS SPEED OF ROTATION, EITHER MANUAL OR AUTOMATIC. INCLUDES A RELATIVE BEARING INDICATOR MECHANICALLY COUPLED TO THE LINKAGES WHICH ROTATE THE AN-TENNA. FRONT PANEL INCLUDES IN ADDITION 9/4/42 CRV:MI-18050 CRV:M-440004 JUN. 44 CNM: SUB 0		
CG-55ACC-1 SC-3,SK-2 PLAN POSITION INDICATOR SAME AS BASIC NUMBER EXCEPT (1) "REMOTE TARGET BEARING" SELSYN REMOVED (2) VIDEO CHASSIS MODIFIED TO FIT FJF RECEIVER (3) SWEEP CIRCUIT MODIFIED TO STANDARD RANGE (20, 80, 200 MILES) (4) WIRING TO PRI MODIFIED. 6/23/43 DL-4W302A W19J566 JUN. 44 REV 0			55ACI UNASSIGNED			TO THE INDICATOR; HAND 55ACH CRANK FOR MANUAL OPERATION OF THE AN-TENNA; POTENTIOMETER TO DIM PILOT LIGHTS OF INDICATOR; AND A CLUTCH KNOB HAVING THREE POSITIONS AS FOLLOWS: MANUAL, CON-TROL, MOTOR CONTROL, AND OFF POSITION TO LOCK THE ANTENNA. MANUAL OPERATION GIVES EITHER DIRECTION OF ROTATION, MOTOR OPERATION IS UNI-DIRECTIONAL AT 2 RPM. POWER INPUT: 115/1/60, 1.3 AMP 75 WATTS.		
CG-55ACD SC-2 PPI REPEATER REMOTE PPI INPUT 115/1/60, 2.5 AMP. 275 WATTS. *T41J118,REV 7. CG:DMGW-19J585,REV 0. 7/16/42 DL4W149AG1 *SEE ABOVE JUN. 44			CM-55ACJ ASC-1 PLAN REPEATER INDICATOR INPUT: 6.3/1/400-26DC-5600DC VOLTS AT 800-625-0.1 MA, AND 5.0-16-0.56 WATTS. RANGES: 4,20,50, AND 100 NAUTICAL MILES. CONSISTS OF A CLASS B INDICATOR AND MOUNTING BRACKET, CONTAINS 3" CATHODE RAY TUBE OF MAGNETIC DEFLECTION TYPE. 8/12/42 D-150888 ESXX-693559 JUN. 44			RA-52ACH PROB X4-13F(C) FOR USE WITH SC-2 PLAN INDICATOR (CLASS B) MASTER PPI; INPUT 115/1/60, 5 AMPS. 550 WATTS. 12" CATHODE RAY TUBE TYPE 12DP7. THIS UNIT IS THE PROTOTYPE OF NAVY TYPE CG-55ACC PLAN INDICATOR. 9/16/42 JUN. 44		

Class 55—Indicators and Recorders

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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
CBM-55AC0 SF CONVERTER & RANGE-PLAN INDICATOR (CLASS A & P) INCLUDES A 30 MC I.F. AMPLIFIER, SECOND DETECTOR AND VIDEO AMPLIFIER. INCLUDES INDICATORS FOR RANGE OR RANGE AND DIRECTION. RANGE SWITCH IS INCLUDED TO SHIFT FROM 0 TO 16,000 YDS AND 0 TO 48,000 YDS. 10/14/42 920 JUN. 44		SK-5358 ALT. 1	CM-55ACU SL INDICATOR-MODULATOR ASSEMBLY: CONSISTS OF -50ACA MODULATOR AND A -55ACV PLAN POSITION INDICATOR.	1/12/43 D-150609 JUN. 44	ESXX-696999 ISSUE 2	CW-55ADA MK 16 TRAIN INDICATOR:	2/11/43 D-150875 JUN. 44	ES-694924
CBM-55AC0 INCLUDES BOTH "RANGE ONLY" CATHODE RAY TUBE AND A "PLAN POSITION" CATHODE RAY TUBE. POWER INPUT: 115/1/400, 355 WATTS, 3.35 AMPS + 115 VOLTS DC AT 50 WATTS.			CM-55ACU-1 SL-a INDICATOR-MODULATOR ASSEMBLY: CONSISTS OF A CW-50ACA MODULATOR AND A CM-55ACV-1 PLAN POSITION INDICATOR.	12/8/43 D-152212 JUN. 44		CW-55ADB MK 16 REMOTE TRAIN INDICATOR:	2/11/43 D-150877 JUN. 44	ES-695562
CRP-55ACP CXBX PLAN POSITION INDICATOR: SERVES AS OPERATING CONTROL POINT. INPUT 115/1/400. (M-3C-U264 SUB B)			CM-55ACY SL PLAN POSITION INDICATOR: DOES NOT INCLUDE 23 VOLT, 70 VOLT SXS OR SYNCHRO REPEATER MOTOR.	1/12/43 D-150610 JUN. 44	ESR-696998 ISSUE 2	CW-55ADC MK 16 REMOTE RANGE INDICATOR:	2/11/43 D-151398 JUN. 44	ES-695562
11/11/42 WX-4804 JUN. 44	D15-10 7/7/42		CM-55ACY-1 SL-a PLAN POSITION INDICATOR: SAME AS -55ACY EXCEPT DRIVE MECHANISM HAS BEEN MODIFIED TRUE AND RELATIVE CURSOR ADDED, AND MINOR WIRING AND CIRCUIT CHANGES.	12/3/42 4MC32A1 JUN. 44	T-7662497 REV 0	CW-55ADD SJ-1 BEARING INDICATOR: SAME AS -55AAS EXCEPT GEARS AND BEARINGS HAVE BEEN REDESIGNED TO ALLOW FOR POWER DRIVE INSTEAD OF MANUAL DRIVE.	2/17/43 D-151387 JUN. 44	BXX-12199 ISS. 1
CG-55ACQ MK 11, MOD 1 CONTROL INDICATOR UNIT:			CBM-55ACW SF-2 CONVERTER AND RANGE-PLAN POSITION INDICATOR:	12/8/42 MI-18122-2 JUN. 44	T-620523 REV 5	CW-55ADE SJ-1 P.P.I.:	2/17/43 D-150961 DEC. 44	BXX-12199 ISS 1 2/17/43 D-150961 *SEE ABOVE
12/3/42 4MC32A1 JUN. 44	T-7662497 REV 0		CPH-55ACS CXCT INDICATOR-I.F. TO VIDEO CONVERTER: I.F. INPUT (SECOND I.F. EQUIPMENT 45.0 MC ± 1.25 MC), PULSE ANALYZING CIRCUITS (WITH TIME BASE RANGES 0-5, 0 TO 25 AND 0 TO 100 MICROSECONDS FOR FREQUENCY RANGES 0 TO 300, 0 TO 3000 AND 0 TO 12/12/42 JUN. 44	12/8/42 MI-18122-2 JUN. 44	T-620523 REV 5	CW-55ADF MK 19 CONTROL INDICATOR: SIMILAR TO -55ABD EXCEPT (1) 50 OHM INSTEAD OF 70 OHM I.F. INPUT, AND (2) DIFFERENT RATE OF MODULATION, MECHANICALLY INTERCHANGEABLE WITH -55ABD.	3/5/43 D-151347 DEC. 44	BX-21952 ISS 1
CPH-55ACS 6000 CPS PULSES.) ALSO INCLUDES VIDEO AMPLIFIERS, CATHODE RAY INDICATOR, SAW-TOOTH GENERATOR AND AMPLIFIER (30 CPS) AND AUDIO OUTPUT OF 600 OHM IMPEDANCE.			CRP-55ACX NX9-10809 PLAN POSITION INDICATOR:	2/8/43 JUN. 44		CW-55ADG MK 19 TRAIN AND ELEVATION INDICATOR: ELECTRICALLY IDENTICAL TO -55ABF BUT MECHANICALLY DIFFERENT NOT INTERCHANGEABLE. *BX-11244, ISS 2	3/5/43 D-151343 JUN. 44	ESXX-692927 ISS 1 *SEE ABOVE
12/8/42 MI-18122-2 JUN. 44	T-620523 REV 5		CRP-55ACY NX99-26198 RE1JA659 P.P.I. REPEATER: SUPPLY: 115/1/400.	3/3/43 WX-5101 JUN. 44	CRP DWGM-17A1-W286 SUB B	CG-55ADH SH P.P.I UNIT:	3/16/43 DL4W180A JUN. 44	W-19J634 REV 1
CPH-55ACS 6000 CPS PULSES.) ALSO INCLUDES VIDEO AMPLIFIERS, CATHODE RAY INDICATOR, SAW-TOOTH GENERATOR AND AMPLIFIER (30 CPS) AND AUDIO OUTPUT OF 600 OHM IMPEDANCE.			CPH-55ACT CPR-55ADO REPEATER INDICATOR: CONSISTS OF A 3BP1 CATHODE RAY TUBE, HOUSING, ANTI-SHOCK MOUNTING AND TILT MOUNTING ASSEMBLY WITH ASSOCIATED MOUNTING FLANGE FOR INSTRUMENT PANEL. SCALE RANGE 0 TO 5, 0 TO 50 NAUTICAL MILES.	2/11/43 D-150890 JUN. 44	ES-695316			
1/5/43 JUN. 44	SK-0766 12/14/42		CM-55ACZ MK 16 INDICATOR PANEL: CONSISTS OF A TYPE CW-23ADF RANGE UNIT, TYPE CW-23ADG ANTENNA CONTROL UNIT, TYPE CW-55AAM PPI, TYPE CW-55ADA TRAIN INDICATOR, AND A TYPE CW-55AAV RANGE INDICATOR.					

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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-55AEQ SL-1
INDICATOR-MODULATOR ASSEMBLY CONSISTS OF A CW-50ADP MODULATOR, A CW-55AEP PLAN POSITION INDICATOR, A CAES-23ADX RANGE UNIT AND A CW-83AAC AUTOMATIC FREQUENCY CONTROL UNIT.

12/8/43 D-151893 BXK-29281
APR. 45 ISS 2

CJP 55AER ASB-7A
RANGE INDICATOR FOUR SCALES 0-5000 YARDS, 0-15 MILES, 0-50 MILES AND 0-150 MILES. SIMILAR TO -55AAZ-1 EXCEPT FOR RANGE SCALES.

*CAY-P-7713428 SUB 0
12/15/43 CAY:DL-7501576G11 *SEE ABOVE
JUN. 44

CG-55AES SP
PLAN POSITION INDICATOR CONTAINS A 7" CATHODE RAY TUBE AND ASSOCIATED SWEEP CIRCUIT WITH RANGES OF 4, 20, 50 AND 100 MILES. A MARKER CIRCUIT IS INCLUDED TO PROVIDE A METHOD OF APPROXIMATE RANGING. CONTAINS TRUE BEARING AND ELEVATION SYNCHROS FOR ANTENNA
12/28/43 DL4W381A
JUN. 44

CG-55AES
CONTROL AND DIALS GIVING TRUE ELEVATION & BEARING ALSO INCLUDES 3" CATHODE RAY TUBE.

CFN 55AET SP
IFF COORDINATION UNIT PRESENTS IFF DISPLAY ON -55AEU INDICATOR UNIT. PROVIDES SYNCHRONOUS TRIGGERS FOR BM & BO EQUIPMENTS AT THEIR RESPECTIVE RECURRENCE RATES AND CONTAINS CONTROLS FOR REMOTE CONTROL OF THESE TRANSMITTERS. DISPLAYS HEIGHT DATA ON 0-50 MICROAMP
12/28/43 CG:DL-4W374A
JUN. 44

CFN 55AET
METER MOUNTED IN FRONT PANEL AND RELATIVE BEARING DATA ON A 3" DIAL MOUNTED ON FRONT PANEL.

CDY 55AEU SP
INDICATOR UNIT UNIT CONTAINS 2 CATHODE RAY TUBES FOR RANGE MEASUREMENTS AND 2 SWEEP INVERTER TUBES TO PROVIDE A PUSH-PULL SWEEP VOLTAGE FOR THE CATHODE RAY TUBES. THE LEFT HAND SCOPE PRESENTS 0-100 MILE RANGE SCALE AND RIGHT HAND SCOPE PRESENTS A 5
12/28/43 CG:DL-4W360A
JUN. 44

CDY 55AEU
MILE PORTION OF THE LEFT HAND SCOPE.

CDY 55AEV SP
PRECISION ALIGNMENT UNIT USED TO DETERMINE WHEN ANTENNA IS POINTING DIRECTLY AT TARGET. ANTENNA BEAM TRAVERSES CIRCULAR PATH & MODULATION WHICH THIS MOTION SUPERIMPOSES ON RECEIVED ECHOES IS COMBINED WITH AC REFERENCE VOLTAGE IN THIS UNIT TO GIVE AN
12/29/43 CG:DL-4W383A
JUN. 44

CDY 55AEV
OUTPUT VOLTAGE IF ERROR EXISTS. THIS VOLTAGE CAUSES A MOVEMENT OF A SPOT ON A CATHODE RAY TUBE TO GIVE VISUAL INDICATION.

CG-55AEM SK-1M
PLAN POSITION INDICATOR INPUT: 115/1/60, 3.4 AMPS, 365 WATTS. SAME AS -55ACC-1 EXCEPT SWEEP CIRCUITS ARE CORRECTED FOR 180 PULSES PER SECOND REPETITION RATE AND STIFF SHOCK MOUNTS HAVE REPLACED VIBRATION MOUNTS UNDER THE CASE.
1/2/44 DL-4W554A W-7351655
DEC. 44

CG-55AEX SC-4, SK-3
PLAN POSITION INDICATOR INPUT: 115/1/60, 3.4 AMPS, 365 WATTS. SAME AS -55ACC-1 EXCEPT (1) 7G SYNCHRO FOR TARGET BEARING IS INCORPORATED AS IN -55ACC, BUT "DISENGAGE" FEATURE ON THE SHAFT IS REMOVED SO THAT IT READS TRUE BEARING ONLY (2) NEW SHOCK MOUNTS ARE
1/3/44 DL 4W302A G-5 CG:W-49J79
DEC. 44

CG-55AEX
SUPPLIED.

CBM 55AEY SU
CONTROL AND RANGE UNIT & PLAN POSITION INDICATOR: TAKES 1 VOLT VIDEO SIGNAL FROM NAVY TYPE -43ACL, INCLUDES 2 STAGES OF VIDEO AMPLIFICATION. INCLUDES RANGE INDICATOR AND PPI (CLASS A & P SCOPES) RANGE SWITCHES TO SHIFT FROM 0 TO 20,000 YDS AND 0 TO 40,000
1/6/44 972 SK-6054
JUN. 44 ALT 0

CBM 55AEY
YDS, 0 TO 80 MILES. HAS CRYSTAL OSCILLATOR THAT CONTROLS TRUE SEQUENCE FOR THE WHOLE EQUIPMENT. HAS PROVISIONS FOR INDICATING IFF SIGNAL OR SEPARATE TRACE ON A SCOPE, SAME TRACE ON PPI. INPUT 115/1/60, 6 AMPS, 0.85 PF PLUS SYNCHRO INPUTS.

CBM-55AEY-1 SU
CONTROL AND RANGE UNIT AND PLAN POSITION INDICATOR: TAKES 1 VOLT VIDEO SIGNAL FROM NAVY TYPE -43ACL, INCLUDES 2 STAGES OF VIDEO AMPLIFICATION. INCLUDES RANGE INDICATOR AND P.P.I. (CLASS A & P SCOPES). RANGE SWITCH TO SHIFT FROM 0 TO 20,000 YARDS AND 0 TO
5/30/44 972B SK-6054
JUN. 44 ALT 3

CBM 55AEY-1
40,000 YDS. 0 TO 80 MILES. HAS CRYSTAL OSCILLATOR THAT CONTROLS TIME SEQUENCE FOR THE WHOLE EQUIPMENT. HAS PROVISIONS FOR INDICATING I.F.F. SIGNALS ON SEPARATE TRACE ON A SCOPE, SAME TRACE ON P.P.I. INPUT: 115/1/60, 6 AMPS, 0.85PF PLUS SYNCHRO INPUT: SAME AS -55AEY EXCEPT USE DIFFERENT COMPONENTS AND DIFFERENT WIRING.

CBM-55AEZ SU-1
CONTROL AND RANGE UNIT AND PLAN POSITION INDICATOR: SIMILAR TO -55AEY EXCEPT FOR OPER. FROM 70 VOLT STEP BY STEP SYSTEM INSTEAD OF SYNCH. AND 115V DC INSTEAD OF 115/1/60.

1/6/44 972A SK-6054
JUN. 44 ALT 0

CBM-55AEZ-1 SU-1
CONTROL & RANGE UNIT AND PLAN POSITION INDICATOR: SIMILAR TO -55AEY-1 EXCEPT FOR OPERATION FROM 70 VOLT STEP BY STEP SYSTEM INSTEAD OF SYNCHRO AND 115V DC INSTEAD OF 115V AC. SAME AS -55AEZ EXCEPT USES DIFFERENT COMPONENTS AND DIFFERENT WIRING.
5/30/44 972C SK-6054
JUN. 44 ALT 3

CM-55AFA MK 28
TRAIN AND ELEVATION INDICATOR: ELECTRICALLY SAME AS TYPE -55ADR. DIFFERS MECHANICALLY IN THAT THE 1/4" STEEL PLATE CONSTRUCTION IS ELIMINATED. USES SAME COMPONENTS AS TYPE -55ABJ.

1/11/44 D-152042 BXX-14758
JUN. 44 ISS. 1

CAY-55AFB SR
RANGE INDICATOR: USES 5" CATHODE RAY TUBE AND HAS SCALES OF 4, 20, 80 AND 400.

1/12/44 T-761464
DEC. 44 SUB 1

CAY-55AFC SR
BEARING INDICATOR: CONTROLS SPEED AND DIRECTION OF ROTATION OF ANTENNA AND INDICATES TRUE BEARING AS WELL AS BEARING RELATIVE TO SHIPS COURSE.

1/12/44 T-7611458
DEC. 44 SUB 2

CAY-55AFB SR
MONITOR SCOPE: FOR THE PURPOSE OF (1) TUNING TRANSMITTER AND RECEIVER (2) OBSERVING SHAPE OF TRANSMITTED PULSE (3) AND GENERAL SERVICING.

1/12/44 T-7611725
DEC. 44 SUB 0

CNM-55AFE SA-2
BEARING INDICATOR: INPUT: 115/1/60, 19.6 AMPS. ANTENNA BEARING REPEAT SCALE CALIBRATED FROM 0°-360°. SHIPS' COMPASS REPEAT CALIBRATED FROM 0°-360°.

2/2/44 PART OF M-440416
JUN. 44 NI-18001-D REV. 4

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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5.55-10

Class 55—Indicators and Recorders

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		
GCH 55AFT MK 29 MOD 2			DISSIPATION 72 WATTS.			CM-55AFY				
CONTROL INDICATOR SIMILAR TO -55ADF EXCEPT IF STRIP IS REMOVED AND BIAS SUPPLY OF -255V DC IS ADDED. MECHANICALLY SAME SIZE AS -55ADF.								CM-55AGE AND A REMOTE REPETITION CONTROL HAS BEEN ADDED. POWER DISSIPATION 200 WATTS.		
7/31/44 OCT. 44										
GCH 55AFU MARK 29 MOD 2			CG-55AFZ SC-5, SK-3			CRP-55AGF SG-3				
DIRECTOR INDICATOR UNIT CONTAINS TRAIN & ELEVATION INDICATOR SCOPE, A CLASS A INDICATION RANGE SCOPE WITH A RANGE OF 15000 YARDS.			PLAN POSITION INDICATOR SUPPLY: 115/1/60. SAME AS -55AEX EX- CEPT (1) 7G TARGET DESIGNATION SYNCHRO CHANGED TO 5G (2) MAGNETIC SHIELD ADDED (3) SHIPS HEADING FLASH HAS BEEN ADDED (4) INTERCEPT CURSOR HAS BEEN ADDED.			INDICATOR CONSOLE CONSISTS OF A TYPE -10AFG CONSOLE CABINET, A TYPE -50AFP VIDEO AMPLIFIER, A TYPE -25AGJ GENERAL CONTROL UNIT, A TYPE -23AGG IFF COORDINATOR, A TYPE -55AGH PLAN POSITION INDICATOR, A TYPE -55AGK BEARING INDICATOR AND A TYPE 11/21/44 RX-1009 M-38C1-X451 FEB. 45 SUB 0				
7/31/44 OCT. 44			9/22/44 DL-4W354							
APR. 45										
CM-55AFV ST			CM-55AGA MK 34, MOD 3&4			CRP-55AGF				
RANGE INDICATOR CONSISTS OF NAVY TYPE CM-55AAL-1 RANGE INDICATOR MODIFIED IN FIELD. MODIFICAT- IONS REQUIRED TO PERMIT OPERATION WITH NAVY MODELS ST AND SJ-2 AND SJ-1. AFTER MODIFICATIONS ARE MADE, RANGE INDICATOR WILL NOT OPERATE WITHOUT ST.			RADAR INDICATOR (CONTROL) MARK 2 MOD 0: SIMILAR TO TYPE CM-55ADF CONTROL INDICATOR EXCEPT A FILTER HAS BEEN ADDED TO SUPERIMPOSE REPELLER VOLT- AGE FOR THE OSCILLATOR AMPLIFIER ON THE IF CABLE.			-55AGJ RANGE INDICATOR.				
8/16/44 D-152384		BXX-19895	10/6/44 D-152467		BX-25549					
OCT. 44		ISSUE 3	APR. 45		ISS 1					
CM-55AFW MARK 13 MOD 0			CM-55AGB MK 20 MOD 1			CRY-55AGG SR-2				
MONITORING INDICATOR CONSISTS OF RANGE AND TRAIN INDICATOR AND TEST SCOPE. USED AS RANGE & TRAIN INDICATOR DURING LOCAL MANUAL CONTROL OF TYPE -23AFU RANGE UNIT & DRIVE ASSEMBLY LOCATED DIRECTLY BELOW IN TYPE CM-55AER AMPLIFIER CABINET. USED AS TEST			INDICATOR UNIT SUPPLY: 115/1/400. SIMILAR TO -55AFD EXCEPT PPI PRESENTATION IS ADDED TO "A" SCOPE, METER MATCHING IS ADDED IN ADDITION TO PIP MATCHING ON THE AZIMUTH & ELEVATION SIDE SCOPES.			INDICATOR CONSOLE CONSISTS OF A TYPE -10AFG-1 CONSOLE CABINET, A TYPE -50AFP-1 VIDEO AMPLIFIER, A TYPE -23AGH GENERAL CONTROL UNIT, A TYPE -23AGG-1 IFF COORDINATOR, A TYPE -55AGH-1 PLAN POSITION INDICATOR, A TYPE -55AGL BEARING INDICATOR AND A TYPE 11/21/44 FEB. 45				
9/5/44 D-152184		BX-21560	10/10/44							
OCT. 44		ISSUE 1	FEB. 45							
CM-55AFW			CAOS 55AGC MK 32 MOD 1			CRY-55AGG				
SCOPE TO INSPECT IMPORTANT WAVE FORMS IN SYSTEM ISOLATING TROUBLES BY MANIPULAT- ING MULTI POINT SWITCH CAUSING MORE IMPORTANT WAVE FORMS TO APPEAR ON SCREEN OF CATHODE RAY TUBE. POWER DISSIPATION 40 WATTS.			IDENTIFICATION INDICATOR MARK 1 MOD 0: SUPPLY: 115/1/60. HAS 2 CHANNEL VIDEO AMPLIFIER CATHODE RAY OSCILLOSCOPE WITH VIDEO SIGNALS DISPLAY- ED BACK TO BACK. SWEEP INITIATING, GENERATING, BLANKING, DEFLECTING AND CALIBRATING CIRCUITS ARE INCLUDED, AS 11/11/44 272A D-105080C FEB. 45 REV 0			-55AGJ-1 RANGE INDICATOR.				
CM-55AFX MARK 8 MOD 3			CAOS 55AGC			CRP-55AGH SG-3				
CONTROL INDICATOR UNIT IS A CONVERTED -55AFG. MODIFICATION: MADE IN RADAR GAIN CONTROL, VIDEO CATHODE FOLLOWER, RECEIVER TUNING AND HORIZONTAL SWEEP PORTIONS OF CIRCUIT. MODIFICATIONS REQUIRED BECAUSE OF SINU- SOIDAL SCANNING RATE USED IN ANTENNA			AS WELL AS REMOTE CONTROL CIRCUITS FOR ASSOCIATED UNITS OF RADAR EQUIPMENT MARK 32, MOD. 1, ENCLOSED IN METAL HOUSING WHICH HAS 4 SHOCK MOUNTS.			PLAN POSITION INDICATOR SUPPLY: 115/1/60. 215 WATTS MAX; TRIGGER VOLTAGE +5 TO +50 VOLTS; VIDEO SIGNAL +1 TO +2.5 VOLTS; RANGE RING +30 VOLTS. RANGES: 0-4, 0-20, 0-80, 0-200 MILES. FOUR MARKERS ON EACH RANGE INDICATING 1, 5, 20 AND 50 MILES RESPECTIVELY. 11/21/44 RX-1013 M38C400-W585 FEB. 45 SUB 0				
9/15/44 D-152516		BX-50087								
APR. 45		ISS 1								
CM-55AFX			CAY-55AGD VE-1 RE 13A1044A			CRP-55AGH				
ASSEMBLY INSTEAD OF LINEAR SCANNING RATE. POWER DISSIPATION 200 WATTS.			PPI REPEATER INPUT: 115/1/60. SAME AS -55ADY-1 EXCEPT CONNECTORS ARE ADDED FOR SYNCHRO, VIDEO AND TRIGGER IN PLACE OF TERMINAL BOARD CONNECTIONS SO AS TO PERMIT PORTABLE INSTALLATIONS.			MARKER OUTPUT TO RANGE SCOPE +25 VOLTS. PART OF TYPE -55AGF INDICATOR CONSOLE.				
			11/11/44							
			FEB. 45							
CM-55AFY MARK 8, MOD 3			CM-55AGE SV			CRY-55AGH-1 SR-2				
AUXILIARY INDICATOR UNIT IS A CONVERTED -55AEH AUXILIARY INDICATOR, MODIFIED BY ADDING 2 RESIST- ORS IN POWER SUPPLY CIRCUIT TO MAKE AVAILABLE -1200 VOLTS. VOLTAGE USED AS "KEEP-ALIVE" VOLTAGE FOR NAVY TYPE -43ACU RADAR TRANSMITTER-RECEIVER. POWER			RANGE INDICATOR SAME AS TYPE CM-55AAL-1 EXCEPT IS MODI- FIED IN THE SWEEP CIRCUITS TO ADAPT CIRCUIT TO A 400 CYCLE REPETITION RATE; IF GAIN CONTROL CHANGED; LOBE SWITCH CIRCUITS HAVE BEEN REMOVED & REPLACED WITH AFC MANUAL RECEIVER CONTROL SWITCH 11/16/44 D-152863 BO-24222 FEB. 45 ISSUE 1			PLAN POSITION INDICATOR SUPPLY: 115/1/60. 215 WATTS MAX; TRIGGER VOLTAGE +5 TO +50 VOLTS; VIDEO SIGNAL +1 TO +2.5 VOLTS; RANGE RING +30 VOLTS. RANGES: 0-4, 0-20, 0-80, 0-200 MILES. FOUR MARKERS ON EACH RANGE INDICATING 1, 5, 20 AND 50 MILES, RESPECTIVELY. 11/21/44 FEB. 45				
9/15/44 D-152630		BX-53085								
APR. 45		ISS 1								
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

Class 55—Indicators and Recorders

5.55-11

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 55AGH-1
MARKER OUTPUT TO RANGE SCOPE +25 VOLTS. PART OF TYPE -55AGG INDICATOR CONSOLE. SAME AS -55AGH EXCEPT FOR SOME COMPONENTS.

CRY-55AGL SR-2
BEARING INDICATOR
DIRECTS ROTATIONAL POSITION OF ANTENNA BY MEANS OF SYNCHROS. INCLUDES TWO 5F SYNCHROS, A SCT SYNCHRO, A TRUE-RELATIVE SWITCH, A SLEEVING SWITCH AND A SLEEVING MOTOR. INDICATES EITHER TRUE OR RELATIVE BEARING. PART OF TYPE -55AGG
11/21/44
FEB. 45

CRP-55AGR MK 34 MOD 3 & 4
RADAR INDICATOR (DIRECTOR)
MARK 3 MOD 0: CONSISTS OF TWO 2" TUBES ONE A TRAIN & ELEVATION WANDERING SPOT SCOPE AND ONE A 15000 YARD "A" SCAN RANGE SCOPE IN A SINGLE HOUSING VIEWED FROM A SINGLE EYEPIECE. ALSO HAS 4 POTENTIOMETERS FOR FOURS & INTENSITY
12/13/44 D-152808 BX-50414
APR. 45 ISSUE 3

-55AGI

INDICATOR CONSOLE.

CRP55AGL

CONTROL OF BOTH SCOPES.

CRP-55AGR

DO NOT ASSIGN

CRP-55AGJ SG-3
RANGE INDICATOR
PRESENTS RANGE & IFF DISPLAYS REPRESENTING TARGETS WITHIN 400 MILES ON THE "A" SCOPE & PROVIDE MEANS FOR ACCURATELY DETERMINING RANGE OF SUCH TARGETS. RANGES: 0-4, 0-20, 0-80, 0-200 MILES. SUPPLY: 115/1/60 180 WATTS; TRIGGER +5 TO +50
11/21/44 RX-1015 H-38C600-W449
FEB. 45 SUB 0

CRP-55AGM SG-3
MONITOR SCOPE
SUPPLY: 115/1/60, 75 WATTS PLUS TRIGGER VOLTAGES. TUNES TRANSMITTER-RECEIVER AND INDICATOR CONSOLE AND OBSERVES SHAPE OF TRANSMITTED PULSE.
11/21/44 RX-1104 H38V-V2
FEB. 45 SUB A

CRP-55AGS VH
PPI INDICATOR
CONSISTS OF A 5FP7 CATHODE RAY TUBE, 2 VIDEO STAGES AND A DC RESTORER FOR KEEPING BIAS VOLTAGES CONSTANT. RECEIVES SIGNALS FROM TYPE -50AFU DRIVER.
12/29/44 16R29(RE)
FEB. 45

CRP-55AGJ
VOLTS; VIDEO SIGNAL: +1 TO 2.5 VOLTS; MARKER +25 VOLTS. RANGE RING OUTPUT +30 VOLTS. PART OF TYPE -55AGF INDICATOR CONSOLE.

CRY-55AGN SR-2
MONITOR SCOPE
SUPPLY: 115/1/60, 75 WATTS. PLUS TRIGGER VOLTAGES. TUNES TRANSMITTER-RECEIVER AND INDICATOR CONSOLE AND OBSERVES SHAPE OF TRANSMITTED PULSE.
11/21/44
FEB. 45

CAY-55AGT SR-5
BEARING INDICATOR:
CONTROLS SPEED AND DIRECTION OF ROTATION OF ANTENNA AND INDICATES TRUE BEARING AS WELL AS BEARING RELATIVE TO SHIPS COURSE. SAME AS TYPE -55AFC EXCEPT THE 50 SYNCHRO HAS BEEN REPLACED BY A 5F SYNCHRO. NEW TERMINAL STAYS AND MARKERS
1/29/45 OL-7502651G5 T-7611458
MAR. 45 SUB. 2

CRY-55AGJ-1 SR-2
RANGE INDICATOR
PRESENTS RANGE & IFF DISPLAYS REPRESENTING TARGETS WITHIN 400 MILES ON THE "A" SCOPE & PROVIDES MEANS FOR ACCURATELY DETERMINING RANGE OF SUCH TARGETS. RANGE: 0-4, 0-20, 0-80, 0-200 MILES. SUPPLY: 115/1/60, 180 WATTS; TRIGGER +5
11/21/44
FEB. 45

CRP-55AGO PO
MAIN PLAN POSITION INDICATOR
SUPPLY: 115/1/60. SAME AS -55AEJ EXCEPT LOW FREQUENCY RESPONSE OF VIDEO AMPLIFIER HAS BEEN IMPROVED & CENSOR HAS BEEN MODIFIED TO INCLUDE ADDITIONAL BEARING LINES SO AS TO ALLOW MEASUREMENT OF TARGET BEARING REFERRED TO THE SHIP.
12/8/44
FEB. 45

CAY-55AGT
WILL BE USED; TWO SYNCHRO CAPACITOR, AND TWO BRACKETS AND MOUNTING BANDWAVE NOT BE USED. SOME WIRING CAN BE OMITTED.

CRY-55AGJ-1
TO +50 VOLTS; VIDEO SIGNAL +1 TO +2.25 VOLTS; MARKER +25 VOLTS. RANGE RING INPUT +30 VOLTS. PART OF TYPE -55AGF CONTROL CONSOLE. SAME AS -55AGJ EXCEPT FOR SOME COMPONENTS.

CRP-55AGP PO
DELAYED PLAN POSITION INDICATOR
SUPPLY: 115/1/60. SAME AS -55AEJ EXCEPT LOW FREQUENCY RESPONSE OF VIDEO AMPLIFIER HAS BEEN IMPROVED. SAME AS -55AGO EXCEPT FOR CENSOR, WHICH REMAINS THE SAME AS USED ON -55AEJ.
12/8/44
FEB. 45

CRP-55AGU VJ RET6R44
PPI INDICATOR:
CONSISTS OF A 12 DP7 CATHODE RAY TUBE, 2 VIDEO STAGES AND A DC RESTORER FOR KEEPING BIAS VOLTAGES CONSTANT. RECEIVES SIGNALS FROM TYPE -50AFU DRIVER. INCLUDES RECTOR CENSOR TO PERMIT RAPID DETERMINATION OF THE BEARING OF ONE TARGET
2/23/45
MAR. 45

CRP-55AGK SG-3
BEARING INDICATOR
DIRECTS ROTATIONAL POSITION OF ANTENNA BY MEANS OF SYNCHROS. INCLUDES TWO 50G SYNCHROS, A 6G SYNCHRO, A 7G SYNCHRO AND A 5F SYNCHRO, A TRUE-RELATIVE SWITCH, A SLEEVING SWITCH AND A SLEEVING MOTOR. INDICATES EITHER TRUE OR RELATIVE BEARING.
11/21/44 RX-1016 A-38C700-X27
FEB. 45 SUB F

CRP-55AGQ PO
DELAY & A SCOPE UNIT
SUPPLY: 115/1/60, 2.7 AMPS. PROVIDES A TRIGGER DELAYED IN 10 MILE STEPS FROM 0 TO 200 MILES AND FEEDS THIS TRIGGER TO THE TYPE -55AGP DELAYED PPI UNIT. PROVIDES 6 MILE A SCOPE SWEEP PLEASEABLE ANYWHERE WITHIN A 20 MILE REGION START-
12/8/44
FEB. 45

CRP-55AGU
FROM ANOTHER AND THE DISTANCE BETWEEN THEM. SIMILAR TO -50AGS EXCEPT FOR CR TUBE AND RECTOR CENSOR.

CRP-55AGK
ING. PART OF TYPE -55AGF INDICATOR CONSOLE.

CRP-55AGQ
ING AT TIME OF DELAYED TRIGGER. INCLUDES A SCOPE UNIT.

CW-55AGV SS
INDICATOR CONSOLE:
CONSISTS OF A 5" PPI A 3" A OR B INDICATOR AND CONTROLS FOR OPERATING THESE OTHER UNITS OF EQUIPMENT. INCLUDES AN LC TYPE OF RANGE UNIT (WHICH MAY BE SWITCHED TO AN RC TYPE FOR LARGE RANGE DATA) INDICATOR SWEEP AND VIDEO CIRCUITS
2/26/45 D-152286 BX-24516
MAR. 45 ISSUE 3

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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5.55-12

Class 55—Indicators and Recorders

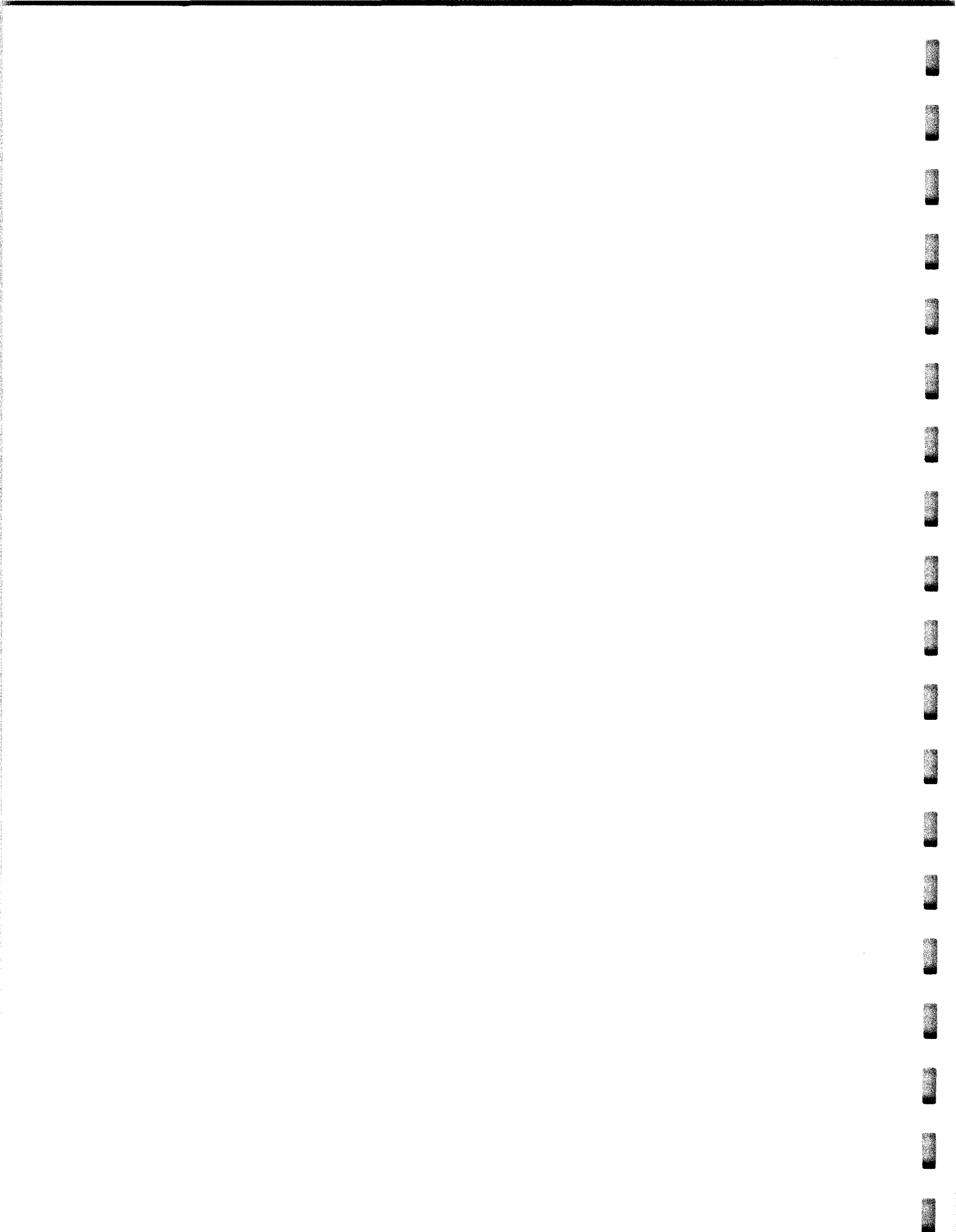
NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CATHODE RAY OSCILLOSCOPE		CW-55AGV	CG-55AGZ			CHC-55AHE	SX	
<p>POWER SUPPLIES, AN IF AMPLIFIER AN IFF SYNCHRONIZING PANEL. INCLUDES BEARING GEAR ASSEMBLY FOR CONNECTING RELATIVE BEARING TO TRUE BEARING BY SYNCHROS OPERATING AT 1 AND 36 SPEED WHICH ALSO TRANSMITS RANGE AND BEARING SETTINGS TO REMOTE POINTS. DESIGNED IN 2 SECTIONS.</p>			<p>RESISTOR BOARD, TERMINAL BOARDS, A HIGH VOLTAGE UNIT, AND THE VIDEO AMPLIFIER AND DISCRIMINATOR UNIT.</p>			<p>INDICATOR UNIT CONSISTS OF 3 OSCILLOSCOPES & THEIR ASSOCIATED SWEEP CIRCUITS AND VIDEO AMPLIFIERS. TRANSFORMERS SIGNALS RECEIVED FROM EITHER UNITS INTO INFORMATION, GIVING AZIMUTH, RANGE AND HEIGHT OF TARGETS WITHIN A 100-MILE RADIUS OF ITS LOCALITY. JUN. 45 22840 REV. 0</p>		
CBM-55AGW	MK 39 MOD 0&1		CAQI-55AHA	MBE	RE 13A1036	CHC-55AHE		
<p>RADAR INDICATOR (CONSOLE) MARK 7 MOD 0: CONTAINS CIRCUITS FOR SYNCHRONIZING INDICATING SWEEPS AND GENERATING A RANGE PEDESTAL FOR SELECTION OF DESIRED ECHO PIP & TRANSMISSION OF THIS PIP TO AGC AND T&E CIRCUITS. UNIT DISPLAYS ECHO PIP & A RANGE PEDESTAL ON A 3/2/45 1073 MAR. 45</p>			<p>INDICATOR UNIT: USES A 5 INCH CATHODE RAY TUBE AND HAS 4 SWEEP LENGTHS -100,500,5000 AND 30,000 MICROSECONDS LENGTHS. INCLUDES CONTROLS FOR CONTROLLING THE SWEEP AND RECEIVER INPUT SIGNALS TO GIVE PRESENTATIONS SATISFACTORY FOR SEARCH, PULSE ANALYSIS 4/26/45 MAY 45</p>			<p>TION. INPUT POWER: +7000V DC AT 1 MA; +425V DC AT 320 MA; +300V DC REGULATED AT 900 MA; +150V DC REGULATED AT 52 MA; -150V DC REGULATED AT 29 MA; -150V DC REGULATED AT 24 MA; 6.3V AC, 60 CYCLES, 65 AMPS. INPUT SIGNALS: ECHOES, MARKERS, ANTENNA REFERENCE VOLTAGE AND SYNCHRO SIGNALS FROM ANTENNA PEDESTAL.</p>		
CBM-55AGW			CAQI-55AHA			CHC-55AHF	SX	
<p>5" CATHODE RAY TUBE ON WHICH APPEAR SIMULTANEOUSLY A 30,000 YARD SWEEP & A 2000 YARD SWEEP. ALSO DISPLAYS TRAIN AND ELEVATION INDICATED ON A 2" WANDERING SPOT SCOPE. PART OF TYPE CBM-55AGX RADAR CONSOLE MARK 3 MOD D.</p>			<p>MONITORING AND TEST PURPOSES.</p>			<p>INDICATOR CONSOLE ASSEMBLY CONSISTS OF 1 TYPE CHC-55AHE INDICATOR UNIT, 1 TYPE CHC-20AEC RECTIFIER POWER UNIT, 1 CHC-20AED AUXILIARY POWER UNIT, 1 TYPE CDY-20AEM HV RECTIFIER POWER UNIT, 1 TYPE CHC-50AGZ SERVO AMPLIFIER UNIT AND 1 TYPE CHC-10AGJ CONSOLE CABINET. JUN. 45 22785 REV. 0</p>		
CBM-55AGX	MK 39 MOD 0&1		CW-55AHB	SS		CHC-55AHF		
<p>RADAR CONSOLE MARK 3 MOD 0: CONSISTS OF A STEEL ANGLE IRON FRAME WITH LOWERED SIDE PANELS FOR DRIP-PROOF VENTILATION. MOUNTED WITHIN IT ON DRAWER SLIDES ARE TYPE CBM-20ADY RADAR POWER SUPPLY MARK 11 MOD 0, CBM-23AGY RADAR RANGE UNIT MARK 6 MOD 0, CBM-50AGA 3/2/45 1070 MAR. 45</p>			<p>TUNING INDICATOR: CONTAINS A 2API CATHODE RAY TUBE TWO 6SN7GT TUBES FOR GENERATING SWEEPS AND FOR BLANKING, AND A 6AC7 VIDEO AMPLIFIER, BY MEANS OF A SELECTOR SWITCH. SWEEP LENGTHS OF 8,000 OR 40,000 YARDS MAY BE OBTAINED. A PART OF TYPE -43ADF 4/7/45 D-152670 BR-60384 MAY 45 ISSUE 1</p>			<p>NET. INPUT POWER IS 115/1/60, 15 AMPS, 1400 WATTS AT 0.95 PF. ALSO RECEIVER VOLTAGE PULSES FROM ANTENNA PEDESTAL FOR VIDEO, MARKERS, TRIGGERS, ETC.</p>		
RADAR MODULATOR	MARK 1	CBM-55AGY	CW-55AHC	SS		CRP-55AHG	SO-11	
<p>MARK 0, & CBM-55AGW RADAR INDICATOR (CONSOLE) MARK 7 MOD 0. PROVIDES CABLE ENTRANCES & A MAIN TERMINAL PANEL FOR INTERCONNECTION FOR OTHER UNITS & INCLUDES WIRING BETWEEN THE UNITS. SHOCK MOUNT SUPPORTS PROVIDED AT BOTTOM AND REAR. PROVIDED WITH BLOWER & AIRDUCT FOR COOLING.</p>			<p>PLAN POSITION INDICATOR ASSEMBLY: A MECHANICAL ASSEMBLY INCLUDING A 5 FP7 CATHODE RAY TUBE WHICH IS USED IN THE TYPE -55AGV INDICATOR CONSOLE. CONSISTS OF THREE INPUT SHAFTS WHICH PROVIDE CONNECTIONS TO TYPE -10AGD BEARING GEAR ASSEMBLY. THE THREE SHAFT 4/7/45 D-152288 BR-60374 MAY 45 ISSUE 1</p>			<p>PLAN POSITION INDICATOR SAME AS -55AEM EXCEPT RANGES ARE 4-10-20 MILES INSTEAD OF 4-20-80 MILES. 5/16/45 RX-1512 H-34C-U66 JUN. 45 SUB 0</p>		
CBM-55AGY	MK 39 MOD 0&1		CW-55AHC	SS		CW-55AHH		
<p>RADAR INDICATOR (DIRECTOR) MARK 8 MOD 0: UNIT CONTAINS TWO 2" OSCILLOSCOPES & A MERCURY HORIZON INDICATOR. AN INTERNAL SWEEP GENERATOR PRODUCES A SWEEP ON ONE OF THE SCOPES WHICH MAY BE VARIED FROM 0 TO 10,000 YARDS TO 0 TO 30,000 YARDS IN LENGTH. 3/2/45 1056 MAR. 45</p>			<p>CONNECTIONS PROVIDE DRIVE FOR DEFLECTION COIL ASSEMBLY, RELATIVE BEARING RING AND CURSOR. IN EACH CASE SHAFT SPEED IS SIX TIMES THAT OF THE DRIVEN ELEMENT.</p>			<p>*SEE BELOW TARGET ACQUISITION UNIT MARK 2 MOD 1: UNIT IS FOR USE WITH RADAR EQUIPMENT MARK 34 MOD 2 TO FACILITATE GETTING ON TARGET. CONTAINS AN INDICATOR ("E" SCOPE) TO SUPPLY TARGET INFORMATION AND SYNCHROS TO TRANSMIT THIS *FOR USE WITH MK 34 MOD 2 5/22/45 D-153372 BX-61443 JUN. 45 ISSUE 1</p>		
DISPLAYS ECHO PIPS AND		CBM-55AGY	CW-55AHC	SS		CW-55AHH		
<p>RANGE PIP FOR TARGET ACQUISITION. SECOND SCOPE IS USED AS WANDERING SPOT TRAIN & ELEVATION INDICATOR. UNIT IS MOUNTED IN WATERTIGHT BOX SUITABLE FOR EXPOSED MOUNTING. PROVIDED WITH EYE PIECE OF SOFT RUBBER AND MAGNIFYING LENS FOR OBSERVATION OF OSCILLOSCOPE.</p>			<p>CG-55AHD</p>			MK 36 MOD 1	RE 13A1102	
CG-55AGZ	MK 36 MOD 1	RE 13A1102A	CG-55AHD	MK 36 MOD 1	RE 13A1102			
<p>MARK 9 MOD 1: CONTAINS ALL PRIMARY BELOW DECK OPERATING CONTROLS FOR GUN FIRE CONTROL SYSTEM MARK 60 MOD 1, COMPOSED OF AN ANGLE IRON FRAMEWORK OR RACK ON WHICH IS MOUNTED A FRONT PANEL WITH OPERATING CONTROLS, ONE CATHODE RAY TUBE 4/4/45 8239406G1 MAY 45</p>			<p>RADAR INDICATOR (DIRECTOR) MARK 10 MOD 1: CONSISTS OF CAST HOUSING MOUNTED ON ONE GUN DIRECTOR. INCLUDES CATHODE RAY TUBE, INTENSITY AND FOCUS CONTROLS. 4/21/45 MAY 45</p>			<p>INFORMATION TO THE RADAR EQUIPMENT. POWER DISSIPATION 125 WATTS.</p>		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

Class 59—Television—Photo-radiò—Facsimile

CLASS 59

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Class 59—Television—Photo-radio—Facsimile

5.59-1

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
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CRV- 59AAA ATE
 AIRCRAFT RADIO TRANSMITTER:
 LENS 8 1/2" FOCAL LENGTH, f3.7.
 (RED) (MTG BASE IS MI-17079-1)
 (OPERATES FROM -21ABY DYNAMOTOR ASSEMBLY)

7/20/42 MI-17034-D P-255315
 JUN. 44 MI-17079-1 SUB 0

CRV- 59AAB ATF
 AIRCRAFT RADIO TRANSMITTER:
 LENS 8 1/2" FOCAL LENGTH, f 3.7.
 (YELLOW) (MTG BASE IS MI-17079-1)
 (OPERATES FROM -21ABY DYNAMOTOR ASSEMBLY)

7/20/42 MI-17034-E P-255315
 JUN. 44 MI-17079-1 SUB 0

CRV- 59AAC ATG
 AIRCRAFT RADIO TRANSMITTER:
 LENS 8 1/2" FOCAL LENGTH, f 3.7.
 (GREEN) (MTG BASE IS MI-17079-1)
 (OPERATES FROM -21ABY DYNAMOTOR ASSEMBLY)

7/20/42 MI-17034-F P-255315
 JUN. 44 MI-17079-1 SUB 0

CRV- 59AAD ATH
 AIRCRAFT RADIO TRANSMITTER:
 LENS 8 1/2" FOCAL LENGTH, f3.7.
 (BLUE) (MTG BASE IS MI-17079-1)
 (OPERATES FROM -21ABY DYNAMOTOR ASSEMBLY)

7/20/42 MI-17034-G P-255315
 JUN. 44 MI-17079-1 SUB 0

CRV- 59AAE ATJ.ATK
 CONVERSION UNIT:
 SUPPLIES MODULATION FOR AIRCRAFT RADIO
 TRANSMITTER.

*T-256168 SUB 4 T-256380 SUB. 1
 1/2/43 *SEE ABOVE
 DEC. 44

CIX- 59AAF FOR USE WITH
 ATJ.ATK
 CONVERSION UNIT:
 TELEVISION CAMERA.
 (BOUGHT UNDER NX32-31099)

6/11/43
 JUN. 44

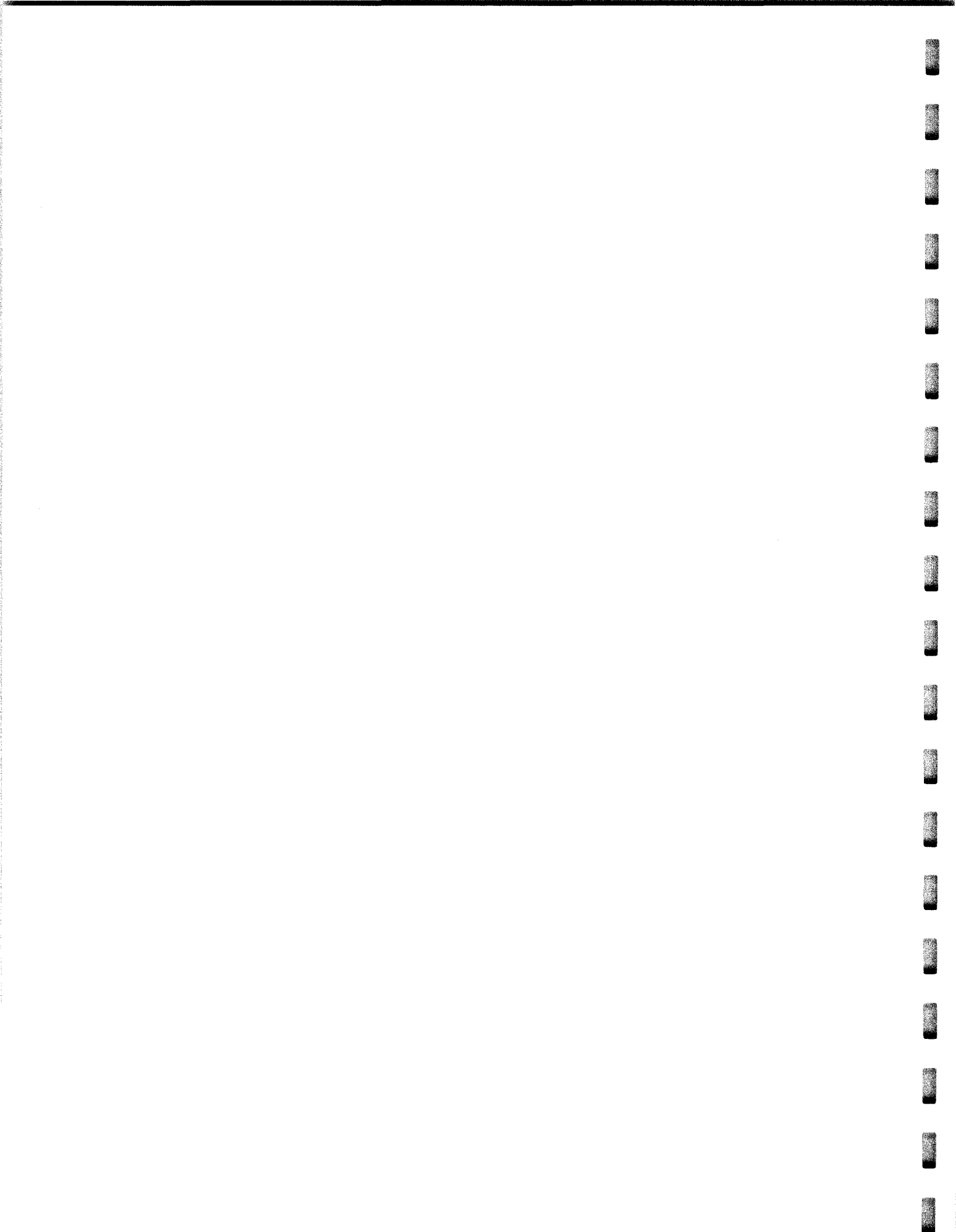
CRV- 59AAG FOR USE WITH
 ATJ.ATK
 CONVERSION UNIT:
 TELEVISION CAMERA.
 (NX32-43585, NX32-22418)

3/6/44 T-2023
 JUN. 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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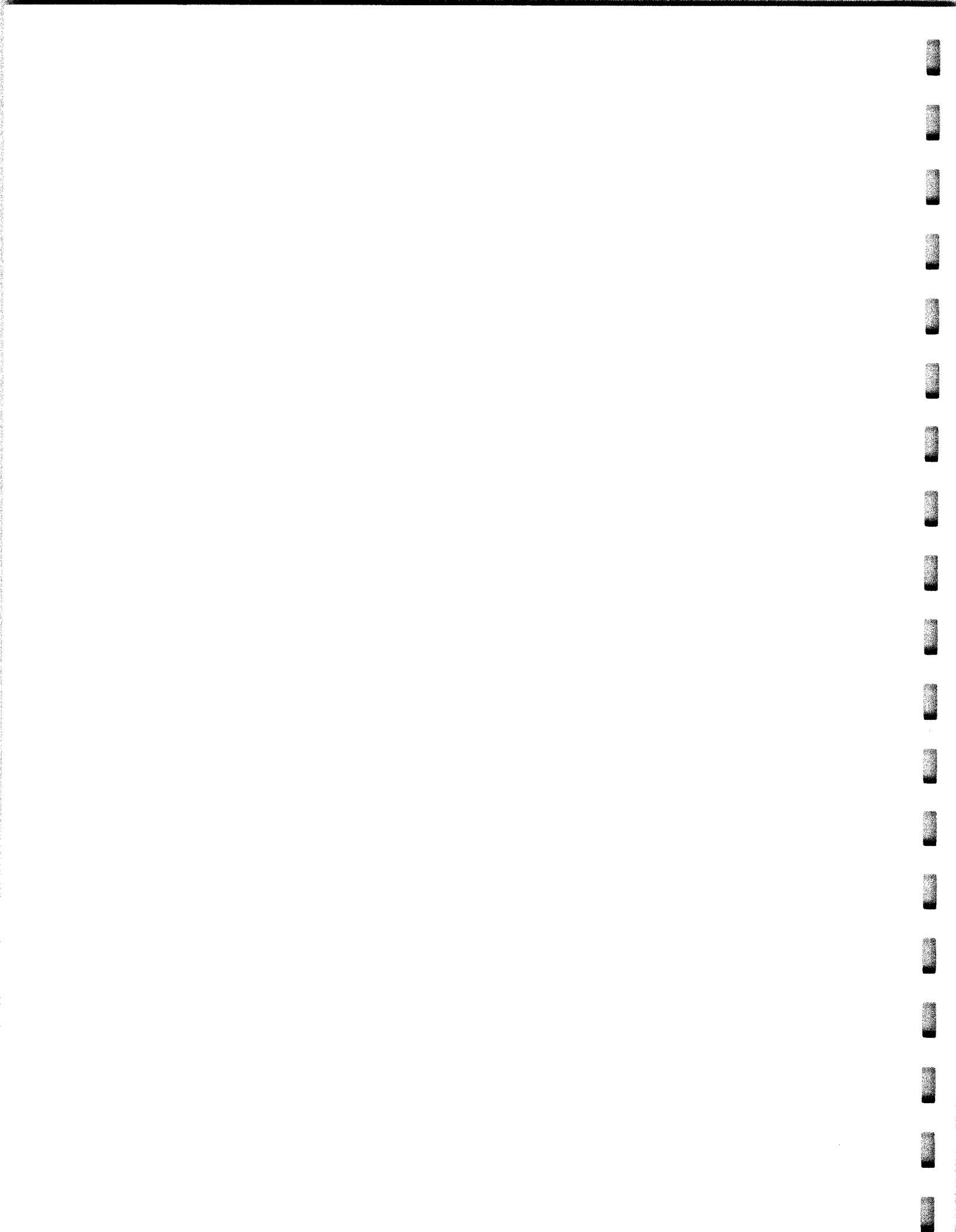


Class 60—Test Equipment

CLASS 60

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NAVSHIPS 900,109



Class 60—Test Equipment

5.60-1

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- 60AAA BE & BF (LU)			- 60AAI			CLQ- 60AAQ OAA-1				
TEST EQUIPMENT: FREQUENCY METER AND TEST OSCILLATOR FOR LINING UP ABOVE EQUIPMENTS FREQ. 450-500 MC. SUPPLY- 115/1/60. POWER CONSUMED. 22 WATTS.			UNASSIGNED			FREQUENCY METER: FREQUENCY IS READ FROM A MICROMETER TYPE SHAFT; SIGNAL AMPLITUDE IS INDICATED ON A 0 TO 200 MICROAMMETER. OPERATES FROM 115/1/60 0.2 AMP 25 WATTS INCLUDES IN- TEGRAL THERMIONIC RECTIFIER.				
6/5/41 GE. D/S BRD 65 P-17J3805			JUN. 44			5/23/42				
JUNE 44						JUNE 44				
CPR- 60AAB FOR USE WITH ABD & ABK SERIES			CPR- 60AAJ FOR USE WITH ABE SERIES			CRV- 60AAR ATE. ATF. ATG & ATH				
TEST RECEIVER: USED IN CONNECTION WITH NAVY TYPE CPR-60AAC TEST TRANSMITTER; SELF CONTAIN- ED BATTERY OPERATED.			TEST RECEIVER: SAME AS -60AAB, EXCEPT FOR FREQUENCY RANGE.			TRANSMITTER MONITOR: INPUT: 12.5 OR 25V DC AT 1.9/0.95 AMP. PLUS 400 VOLTS DC AT 0.148 AMP.				
1/29/42			3/24/42			MI-17004-C		P-255317		
JUNE 44			JUNE 44			JUNE 44		SUB 0		
CPR- 60AAC FOR USE WITH ABD & ABK SERIES			CPR- 60AAK FOR USE WITH ABE SERIES			CDE- 60AAS OY				
TEST TRANSMITTER: USED IN CONNECTION WITH NAVY TYPE CPR-60AAB TEST RECEIVER. SELF CONTAINED BATTERY OPERATED.			TEST TRANSMITTER: SAME AS 60AAC, EXCEPT FOR FREQ. RANGE.			RADAR OPERATOR TRAINER: SUPPLY 115/1/60. 0.8 AMP. 80 WATTS. FREQ. RANGE: 60 TO 5000 CYCLES. PEAK POWER IS 100 MW INTO A 20,000 OHM LOAD. PULSE POLARITY IS POSITIVE WITH DURATION OF 1/720 OF A SECOND AND REPETITION RATE OF 50 TIMES PER SECOND.				
1/27/42			3/24/42			6/5/42		B-1324-A		
JUNE 44			JUNE 44			JUNE 44				
CTF- 60AAD LT			CW- 60AAL LW			CRV- 60AAT MK 6 RADAR				
TEST TRANSMITTER-RECEIVER: SUPPLY SELF CONTAINED- 4 BURGESS 4FA AND 1 BURGESS X 60 BP.			WAVEMETER & SIGNAL GENERATOR: FREQ. RANGE 680 TO 720 MC; FOR CHECKING (1) FREQ. (2) OUTPUT OF TRANSMITTER AND (3) SENSITIVITY OF RECEIVER. INCLUDES AN INTERNAL RECTIFIER POWER UNIT FOR OPERA- TION FROM 115 VOLTS AND 1 PHASE 60 CYCLE FOR USE WITH RADAR EQUIPMENT MK 3 & 4.			MONITOR UNIT FOR RADAR TRANSMITTER AND RADAR RECEIVER: USED FOR OBSERVATION OF WAVE SHAPE AT VARIOUS POINTS IN THE RADAR TRANSMITTER. ALSO CONTAINS A SECOND DETECTOR BY MEANS OF WHICH THE OUTPUT OF RADAR RECEIVER CA- BE MONITORED. INCLUDES INTEGRAL				
2/10/42		20. 136	4/4/42		D-150482 (CW) ESO-690480	7/11/42				
JUNE 44		7/30/42	JUNE 44		ISSUE 2	JUNE 44				
CPR- 60AAE OU			CRV- 60AAM SA, SA-1			MONITOR UNIT FOR RADAR THERMIONIC RECTIFIER OPERATING FROM 117/1/60, 1 AMP.		CR. 00AAT		
RADAR OPERATOR TRAINER:			MONITOR METER UNIT: CONSISTS OF A TYPE CG-22382 0 TO 500 MICRO AMP DC METER MOUNTED IN STEEL BOX. BOX HAS EARS FOR MOUNTING ON A FLAT SURFACE.							
3/13/42			4/15/42		N-422417					
JUNE 44			JUNE 44		SUB 1					
CWI- 60AAF GEN. USE (ASE)			CRP- 60AAM SG			CRV- 60AAU MK 6 RADAR				
OUTPUT METER: SCALE 0 TO 50 MICRO AMP DC. SUPPLY 6 VOLTS 0-15 AMP DC.			SIGNAL MONITOR: INPUT: 115/1/60 AT .20 AMPS. 20 WATTS AND 875 PF.			MONITOR UNIT FOR MAIN CONTROL ASSEMBLY: USED FOR OBSERVATION OF WAVE SHAPES, ETC AND IS ALSO USED FOR MEASURING RANGE OF TARGETS. INCLUDES INTEGRAL THERMIONIC RECTIFIER OPERATING FROM 117/1/60, 1 AMP HOUSED IN TYPE CRV-23ACL MAIN CONTROL				
3/13/42		20414	4/23/42		MX-3877	7/11/42				
JUNE 44		20279-1	JUNE 44			JUNE 44				
CWI- 60AAG GEN. USE			CG- 60AAO LY			ASSEMBLY.		CRV- 60AAU		
RANGE CALIBRATOR: SUPPLY 6 VOLTS, 2 AMP AC/DC AND 400 VOLTS 0.55 AMP DC.			WAVE METER & SIGNAL GENERATOR: INPUT: 115/1/60. .6 AMPS 65 WATTS. OUTPUT POWER: NONE. OPERATES FROM INTEGRAL THERMIONIC RECTIFIER. 110/1/60.							
3/13/42			5/3/42		5106372-G1					
JUNE 44			JUNE 44							
CDE- 60AAH OY			CLQ- 60AAP OAA			CS- 60AAV SG (RADAR)				
RADAR OPERATOR TRAINER: INPUT: 115/1/60 AT .5 AMPS AND 50 WATTS. OUTPUT: 115 VOLTS SINGLE PHASE, 60 CYCLES FREQUENCY RANGE: 60 TO 6,000 CYCLES. PEAK POWER: 100 MILLIWATTS.			FREQUENCY METER: FREQUENCY IS READ FROM A MICROMETER TYPE SHAFT; SIGNAL AMPLITUDE IS INDICATED ON A 0 TO 200 MICROAMMETER. INCLUDES AN INTEGRAL THERMIONIC RECTIFIER FOR OPERA- TION FROM 115/1/60, 0.2 AMP, 25 WATTS.			WAVEMETER: USES SILICON CRYSTAL. CONTAINS AIR CAVITY WHICH IS MADE TO RESONATE BY MOVEMENT OF MICROMETER SCREW. CONTAINS COAXIAL CABLE AND PLUG ASSEMBLY FOR CONNECTION TO TRAN- SMITTER AND MONITOR ELECTRICALLY BUT NOT PHYSICALLY EQUIVALENT TO TYPE 60ABF. 7/17/42 25856-10		DUG51-5141		
3/16/42		4 AT-35	5/12/42		(CRV)P-721426	7/17/42		SUB 2		
JUNE 44		REV 1	JUNE 44		SUB 0	JUNE 44				
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

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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
CGZ- 60AAM OGD	RE 13A 657B		CLQ- 60ABA			RA- 60ABD		
VIDEO SIGNAL GENERATOR: FREQUENCY RANGE TO BE NO LESS THAN 2.5 KC AT MINIMUM AND NO MORE THAN 10 KC AT MAXIMUM. SUPPLY: 105-125/1/60. OUTPUT: PEAK VALUE OF PULSE APPROXIMATELY 125 VOLTS. PULSE LENGTH AT MINIMUM END TO BE BETWEEN 2.5 AND 10 MICROSECONDS. PULSE 7/22/42 P 146 DEC. 44			0.048%. POWER INPUT: 115/1/60, 0.2 AMP, 22 WATTS.			SHAPE. INCLUDES 3 INCH MEDIUM PERSISTENCE CATHODE RAY TUBE TYPE 3 BPI. BUILT-IN TRANSFORMER RECTIFIER POWER SUPPLY. SIMILAR TO RA-60AAB EXCEPT FOR POWER INPUT.		
		CFQ- 60AAM	CLQ- 60ABA-1 0A0-2	RET3A688B		RA- 60ABE XBG-1		
AT MAXIMUM END TO BE BETWEEN 10 AND 60 MICROSECONDS. INCLUDES MULTIVIBRATOR OSCILLATOR VIDEO POWER AMPLIFIER. POWER SUPPLY, A PAIR OF OUTPUT CABLES, AND A POWER PLUG CONNECTOR.			FREQUENCY METER: SUPPLY: 115/1/60, 0.2 AMPS, 11 WATTS. FREQ. IS READ FROM A MICROMETER TYPE SHAFT WITH SIGNAL AMPLITUDE INDICATED ON A 0-200 MICROAMMETER. ACCURACY OF CALIBRATION IS ± 0.25 MC. CAN BE USED WITH ANY RADAR SYSTEM USING A 60- REPETITION 5/26/44 29-0-6 DEC. 44			PULSE ANALYZER: INPUT: 110/1/60. ANALYZES VIDEO SIGNAL PULSES RECEIVED BY NAVY MODEL ARC-1 AIRCRAFT RADIO RECEIVING EQUIP. MEASURES REPETITION RATE AND PULSE DURATION (0 TO 6000 CPS, 2 TO 1000 MICROSECONDS APPROX) ALSO INDICATES APPROX. PULSE SHAPE. IN-10/22/42 JUNE 44		
		CW- 60AAX LZ			CLQ- 60ABA-1	RA- 60ABE		
FREQ. METER & SIGNAL GENERATOR: CONSISTS OF (1) SIGNAL GENERATOR WHICH CAN BE OPERATED AS CW OSC. OR PULSE OSC. SYNCHRONIZES WITH XMITTER UNDER TEST & RADIATES PULSE TO RECEIVER; (2) ATTENUATOR FOR CONTROLLING LEVEL OF SYNC. SIGNAL; (3) SECOND ATTENUATOR 8/9/42 D-150896 JUNE 44			RATE AT A DUTY CYCLE OF APPROX. 0.048%. SAME AS 60ABA EXCEPT FOR IMPROVED WIRING AND SHOCK MOUNTS.			CLUDES 3 INCH, MEDIUM PERSISTENCE CATHODE-RAY TUBE TYPE 3 BPI. BUILT-IN RECTIFIER. SIMILAR TO RA-60ABD EXCEPT FOR POWER INPUT.		
			RA- 60ABB X-ARD			CRP- 60ABF SG		
THROUGH WHICH CW-66ACX ANTENNA ASSY IS CONNECTED TO OTHER TEST UNIT COMPONENTS; (4) CRYSTAL DETECTOR WHICH CONSTITUTES WATTMETER TO DETERMINE RADAR XMITTER PEAK OUTPUT & CALIBRATES THE STANDARD LEVEL; (5) FREQ. METER MEASURING RADAR TRANSMITTER FREQ. & SETTING SIGNAL GEN. ON SAME FREQ. CONNECTIONS ARE COAXIAL TYPE. SUPPLY: 115/1/50-1200, 2.3 AMPS, 250 WATTS.			TEST OSCILLATOR: PULSE UHF OSCILLATOR. FREQ. 425 MC. REPETITION RATES 110, 1250, 3100, 5000 CPS. INCLUDES ADJUSTABLE BUILT-IN ANTENNA. INPUT: 150 VOLTS 8.8, 9.4, 9.5, OF 9.6 MA DEPENDENT ON THE RESPECTIVE REPETITION RATES LISTED ABOVE AND 6.3 VOLTS AC OR DC 9/5/42 FIG 3 JUNE 44			WAVEMETER CAVITY: EMPLOYES SILICON CRYSTAL. CONTAINS AIR CAVITY WHICH IS MADE TO RESONATE BY ADJUSTMENT OF MICROMETER SCREW. ELECTRICALLY EQUIVALENT TO TYPE -60AAV BUT HAS DIFFERENT PHYSICAL DIMENSIONS. 11/10/42 CRP:UX4080 JUN. 44		CRP:A2-W1 REV 1
		CW- 60AAY LZ			RA- 60ABB	CMD- 60ABG ARD-1		
OSCILLOSCOPE: CONSISTS OF A 3 INCH MEDIUM PERSISTENCE CATHODE RAY TUBE, ALL NECESSARY AMPLIFIERS, SWEEP CIRCUITS, RECTIFIERS. SWEEPS PROVIDED ARE 1C AND 15C MICROSECONDS. A ONE MICROSECOND PULSE APPEARS WITH A WIDTH OF APPROXIMATELY 0.3 INCH ON THE 8/9/42 D-150897 JUNE 44			0.45 AMP FOR HEATERS. CASE DIMENSIONS 3" X 4" X 5".			TEST OSCILLATOR: INPUT: 6.3 VOLTS, 0.45 AMPS AC OR DC AND 150 VOLTS, 9.3 MA DC. FIXED TUNED PULSE MODULATED OSCILLATOR. PULSE RATE MAY BE SELECTED FROM ONE OF FOUR FREQUENCIES BY A SELECTOR SWITCH. PRODUCTION UNIT FOR TYPE RA-60ABB. 12/1/42 FA5-WJ4 JUNE 44		IDS REV 0
			CGI- 60ABC 0AA-2			CMD- 60ABC-1 ARD-2		
SHORT DURATION SWEEP. INPUT JACK PROVIDED FOR INJECTION OF SYNC SIGNAL. VERTICAL AMPLIFIER SENSITIVITY: 0.4 VOLTS/INCH. LINEAR RESPONSE TO ±0.4 INCH. MAXIMUM DEFLECTION 0.5 INCH. RESPONSE: WILL REACH FULL DEFLECTION IN 0.1 MICROSECOND WITH NO DISTORTION. INCLUDES 10 TO 1 GAIN CONTROL. HAS USUAL FOCUS, ETC CONTROLS ON FRONT. OPERATES FROM 115/1/50 TO 800, 1.17 AMPS.			FREQUENCY METER: FREQ. READ FROM A VERNIER DIAL AND SCALE COMBINATION; SIGNAL AMPLITUDE IS INDICATED ON A 0 TO 200 MICROAMMETER. OPERATES FROM 115/1/60, 0.11 AMPS, 12 WATTS. INCLUDES INTERNAL THERMIONIC RECTIFIER. SIZE 9 13/16" HIGH X 5 3/8" WIDE X 9/18/42 SD00-5143 SD00-5142 JUNE 44			SAME AS BASIC NUMBER EXCEPT FOR MINOR INTERNAL CHANGES IN RESISTORS. ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE. 7/2/43 FA-5-WJ7 JUNE 44		1D703
		CDE- 60AAZ OX			CGI- 60ABC	CEO- 60ABH OAC		
RADAR OPERATOR TRAINER: INPUT: 115/1/60, 120 WATTS. FREQUENCY RANGE: 60 TO 5,000 CYCLES PEAK POWER IS 100 MILLIWATTS INTO A 20,000 OHMS LOAD. PULSE POLARITY IS POSITIVE. PULSE DURATION IS 1/220 OF A SECOND WITH REPETITION RATE OF 60 TIMES PER SECOND. 8/12/42 EAT-15178 JUNE 44			10 7/8" DEEP. SIMILAR TO TYPE RA-60AAQ.			RADAR SIGNAL GENERATOR: OPERATES FROM 115/1/60, 0.9 AMPS, 100 WATTS. MOVING PIP GENERATOR. OPERATES IN CONJUNCTION WITH A MODEL OY. ADDS TWO "PIPS" TO THE IMAGE PRODUCED BY MODEL OY. CONTROL OF EACH PIP IS SEPARATE. PIPS ARE CONTROLLED TO SIMULATE A PATTERN 12/5/42 A 2563 JUNE 44		
		CLQ- 60ABA OAF			RA- 60ABD XBG	CDE- 60ABH		
FREQUENCY METER: FREQ. IS READ FROM A MICROMETER TYPE SHAFT: SIGNAL AMPLITUDE IS INDICATED ON A 0 TO 200 MICROAMMETER. ACCURACY OF CALIBRATION IS ±0.25 MC. CAN BE USED WITH ANY RADAR SYSTEM USING A 60 CYCLE REPETITION RATE AT A DUTY CYCLE OF APPROX. 9/4/42 (CRV)M-18051 (CRV)M-440055-1 JUNE 44			PULSE ANALYZER: INPUT: 110 VOLTS, 800 CPS. ANALYZES VIDEO SIGNAL PULSES RECEIVED BY NAVY MODEL ARC-1 AIRCRAFT RADIO RECEIVING EQUIP. MEASURES REPETITION RATE AND PULSE DURATION (0 TO 6000 CPS, 2 TO 1000 MICROSEC. APPROX.) ALSO INDICATES APPROX. PULSE 10/22/42 JUNE 44			PRODUCED BY A ROTATING DIRECTIONAL ANTENNA. 19 9/16" X 8 7/16" X 11 5/32" DEEP OVERALL.		

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CRP 60ACC SG-1 WAVEMETER CAVITY ELECTRICALLY SAME AS CRP-60ABF, BUT HAS DIFFERENT MOUNTING PROVISIONS.	8/23/43 JUN. 44	WX-4750 M-20A6-U34 SUB 8	CZE 60ACH OBJ SIGNAL GENERATOR ASSEMBLY CONSISTS OF CABINET AND THE FOLLOWING NAVY TYPES (3) -20275 RECTIFIER POWER UNIT, (1) -50A0Y MODULATOR (1) -50ADZ I.F. AMPLIFIER, (1) -50AEA SYNC GENERATOR (6) -60ACJ VIDEO SIGNAL GENERATOR (1) -60ACK INTERFERENCE GENERATOR (1) EACH	1/10/44 JUN. 44		CVF-60ACL-1 -60ACS.		
CAIR-60ACD OAV-1 TEST GENERATOR SUPPLY: 117/1/60. OPERATES AS A TRAINING UNIT TO SIMULATE RADAR INTERFERENCE, CW AND PULSE MODULATED FROM 100 TO 100,000 KC. VARIABLE OUTPUT FROM 10 TO 20,000 MICRO- VOLTS. GOUPY IMPEDANCE IS 50 OHMS. SAME AS CDL-60ABY EXCEPT FOR ADDITION OF	10/7/43 JUN. 44		CZE 60ACH OF -66AHB, -66AHC AND -66AHD ANTENNA SIMULATOR UNIT. INPUT 115/1/60.			CJA 60ACH SP,SP-1M RE 13A717 SYNCHROSCOPE SUPPLY: 115/1/60, 150 WATTS. HAS 2 SWEEP, APPROXIMATELY 0.5 MILES AND 40 MILES LONG. FAST SWEEP FROM 6 TO 20 MICROSECONDS, SLOW SWEEP ABOUT 250-500 MICROSECONDS. INPUT IMPEDANCE NORMALLY 70 OHMS, BUT CAN BE RAISED TO HIGH 1/24/44 CG:K-7895194P1 CG:P-7766197 JUN. 44 CG:K-7897161 REV 1		
CAIR 60ACD ANOTHER FIXED FREQUENCY AND A SEPARATE ATTENUATOR.			60ACI JUN. 44			CJA-60ACH IMPEDANCE BY DISCONNECTING TERMINATING RESISTOR.		
CYK 60ACE LAD RADAR SIGNAL GENERATOR TINUOUS FREQ. COVERAGE OF THE "S" SUB G BAND WITH CALIBRATED PULSE MODULATED R.F. SIGNAL. SELF CONTAINED UNIT.			CZE 60ACJ OBS VIDEO SIGNAL GENERATOR	1/10/44 JUN. 44		CG-60ACH OBJ TEST OSCILLATOR PORTABLE, BATTERY OPERATED. PULSED TEST OSCILLATOR. PRODUCES PULSES OF 3 MICRO- SECONDS DURATION AT 2000 CPS REPETITION RATE. INCLUDES VERTICAL ANTENNA.		
*CG:M-7470925 REV 0 CG:P-7766173 REV 2 10/23/43 CG:K-7895079 *SEE ABOVE DEC. 44 CYK:102-F						1/27/44 DL4H111A-62 T28J429 JUN. 44 REV 1		
CUO 60ACF MK 33 OSCILLOSCOPE SUPPLY: 115/1/60 TO 2000. FOR TESTING COMPONENTS OF RADAR EQUIPMENT. HAS SE- LECTION OF RANGE SWEEPS OF 0.4, 5, 25 AND 100 MILES. SELECTION OF SAWTOOTH FREQUENCY RANGES: 25-125-, 70-350-, 300- *MIT SPEC 55-TESS-2 CG:P-7767086 REV 2 12/30/43 Q *SEE ABOVE DEC. 44			CZE 60ACK OBJ INTERFERENCE GENERATOR	1/10/44 JUN. 44		CW-60ACO DO NOT ASSIGN JUN. 44		
CUO-60ACF 1500- 1000-5000 CYCLES.			CRB 60ACL LU-1 FREQUENCY METER & TEST OSCILLATOR: INPUT: 110/1/60. USED FOR METERING FREQUENCY OF BOTH TRANSMITTER AND RE- CEIVER OF EQUIPMENTS OF THE IFF MARK 4 SYSTEM. FACTORY MODIFICATION OF THE CG-60AAA AND CEX-60AAA TO EXTEND	1/10/44 JUN. 44		CALA 60ACP *SEE BELOW TEST METER UNIT METAL BOX, WITH REMOVABLE COVER, CON- TAINING INDICATING INSTRUMENT, SELECTOR SWITCH, POTENTIOMETER, SIGNAL LAMP, TWO AN CONNECTORS, 4 PAIRS OF INSULATED BINDING POSTS AND ASSOCIATED RESISTORS *ACCESSORY FOR MK 22 2/11/44 CW:D-151722 CW:80-14538 JUN. 44 ISSUE 2		
CAJA 60ACG SP-1M SIGNAL GENERATOR PORTABLE R.F. SIGNAL GENERATOR, COVERING A FREQ. RANGE FROM 22 TO 38 MI. AUDIO OUTPUT 1000 CYCLES SINE WAVE (ADJUSTABLE BETWEEN 900 AND 1100 CYCLES). BOTH CON- TINUOUS WAVE AND AMPLITUDE MODULATED R.F. OUTPUT ARE AVAILABLE. MODULATED 12/30/43 A30 DEC. 44			CRB 60ACL FUNCTIONS. THIS UNIT IS PULSE MODULATED IN ADDITION TO 30 KC MODULATED AS IN THE TYPE -60AAA.			CALA 60ACP FOR ADJUSTING ZERO POSITION OF SHEEP POTENTIOMETER ON ANTENNA DRIVE AND MEASURING VARIOUS VOLTAGES AND CURRENTS ON MARK 22 EQUIPMENT.		
CAJA 60ACG OUTPUT 1000 CYCLES SINE WAVE. POWER IN- PUT, 115/1/60, 55 WATTS. POWER OUTPUT, A.F. 0-5 VOLTS, RF 0-0.5 VOLTS.			CVF-60ACL-1 LU-2 FREQUENCY METER AND TEST OSCILLATOR: INPUT: 110/1/60, OR 800. SAME AS BASIC NUMBER EXCEPT THIS IS A NEW PROCUREMENT OF EQUIPMENT WHICH USES SLIGHTLY DIFFER- ENT COMPONENTS AND IMPROVES OPERATION ON 800 CYCLES. CANCELLED & REASSIGNED 1/10/44 DEC. 44			CHZ 60ACC OAP-1 WAVEMETER-OSCILLATOR SUPPLY: 115/1/50 TO 70 OR 115/1/400. USED TO PROVIDE A MEANS FOR ADJUSTING TESTING AND MEASURING FREQUENCY AND POWER OUTPUT OF MODEL BL EQUIPMENTS. SIMILAR TO -60ABN EXCEPT HAS IMPROVED SENSITIVITY, OPERATES FROM 400 CYCLE 3/4/44 NA-1221 LA-1026 JUN. 44		

Class 60—Test Equipment

5.60-5

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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CHZ-60ACQ
SUPPLY. AND HAS IMPROVED GEAR DRIVE.

CNC-60ACU
FIER. OUTPUT IMPEDANCE 125 OHMS. PRODUCES 200- SINE WAVES, 200 KC SINE WAVES, 1 MICROSECOND PULSE AND RANDOM NOISE.

CAQT-60ACZ
POSE TEST SYNCHRO SCOPE.

CALG-60ACR OBV RE9602-A
TEST MONITOR
SUPPLY: 28V DC. FREQ. RANGE: 80-140 MC. INCLUDES TRANSMITTER, PULSE MODULATOR, RECEIVER, VIDEO AMPLIFIER, SERVO SWEEP OSCILLOSCOPE AND POWER SUPPLY. POWER OUTPUT OF TRANSMITTER IS NOT LESS THAN 5 MILLIVOLTS. RECEIVER SENSITIVITY IS NOT 7/27/44
OCT. 44

CRP-60ACY SG-3
CRYSTAL RANGE CALIBRATOR
SUPPLY: 115/1/69, 50 WATTS. PROVIDES A TRIGGER AND ACCURATE RANGE MARKS AT ONE AND FIVE MILES FOR CALIBRATION OF TYPE -55AGJ RANGE INDICATOR AND TYPE -55AGH PLAN POSITION INDICATOR.

CW-60ADA UP
AUTOMATIC TELEGRAPH SERVICE MONITORING BAY. INPUT: 115/1/50 TO 60. INCLUDES THE FOLLOWING UNITS: 1 CW-10456 2 CW-20311, 1 CW-29432, 1 CW-29433, 2 CW-60128, 1 CW-62193.

CALG-60ACE
LESS THAN 30 MILLIVOLTS. BAND WIDTH OF VIDEO AMPLIFIER IS NOT LESS THAN 400 KC.

CRV-60ACM SR-2
CRYSTAL RANGE CALIBRATOR
SUPPLY: 115/1/60, 50 WATTS. PROVIDES A TRIGGER AND ACCURATE RANGE MARKS AT ONE AND FIVE MILES FOR CALIBRATION OF TYPE -55AGJ RANGE INDICATOR AND TYPE -55AGH-1 PLAN POSITION INDICATOR.
CANCELLED

CLP-60ADB SX
SYNCHROSCOPE
POWER INPUT: 115/1/60, 50 WATTS, +300V, 125 MA; -405V, 3 MA; -105V, 5 MA; +1500V, 100 MA; -1500V, 1 MA. CONSISTS OF CATHODE RAY TUBE, 0.5, 2.0, 40, 100 MICROSECONDS/INCH ± 25% SERVO SWEEP TRIGGERED BY STANDARD NAVY TRIGGER EXCEPT 350 TO 3/20/45
JUN. 45

CVF-60ACS LU-2 RE9398-A
FREQUENCY METER AND TEST OSCILLATOR. SUPPLY: 110/1/60 OR 800. USED FOR METERING FREQUENCY OF BOTH TRANSMITTERS AND RECEIVERS OF IFF MARK 4 SYSTEM. SIMILAR TO -60ACL EXCEPT HAS DIFFERENT COMPONENTS AND IMPROVES OPERATION ON 800 CYCLE SUPPLY AND PROVIDES VIENTONE DRAWING

CAOS 60ACX *SEE BELOW
RADAR TRAINER
LOW POWER DEVICE TUNABLE OVER WIDE FREQUENCY RANGE. PRODUCES SIGNALS MODULATED BY VARIOUS SINE WAVE FREQUENCIES AND BY NOISE. USED TO SIMULATE VARIOUS TYPES OF ENEMY JAMMING. MOUNTED IN RADAR TRAINER MK 6 MOD 0
12/1/44
FEB. 45

1200 PPS. CAN BE DELAYED CLP-60ADB UP TO 1500 MICROSECONDS. HAS 2 TRIGGER JACKS. LOW IMPEDANCE. 1 TEST PROJ JACK. HIGH IMPEDANCE. 6 SIGNAL INPUT JACKS ALL OF WHICH MAY CONNECT TO CRT THROUGH 1000 CYCLES TO 4 MC ADJUSTABLE GAIN VIDEO AMPLIFIER, 4 OF WHICH MAY CONNECT TO CRT PLATES THROUGH BLOCKING CAPACITOR. HAS CRT INTENSITY, FOCUS, CENTERING CONTROLS ON PANEL.

CVF-60ACS
VIDEO PULSE OUTPUT TO TRIGGER AS EXTERNAL TRANSMITTER CIRCUIT OF 6000 OHMS.

CAOS 60ACX
ALUMINUM CARRYING CASE, SHOCK MOUNTED IN STEEL STORAGE CASE. INPUT 115/1/60.

CRP-60ADC TDY-a/TDY-1a
WAVEMETER
CAVITY TYPE. CALIBRATED TO READ BETWEEN 265 AND 3450 MC. CAN BE SHORTED OUT WHEN NOT IN USE. INCLUDES COAXIAL CONNECTOR. REQUIRES 6.3/1/60 FOR DIAL ILLUMINATION. CAN BE SHORTED OUT WHEN NOT IN USE.

CRB-60ACT LU-3
FREQUENCY METER AND TEST OSCILLATOR. SUPPLY: 80 OR 117 VOLTS, 10, 50 TO 800-. USED FOR METERING FREQUENCY OF BOTH TRANSMITTERS AND RECEIVERS OF IFF MARK 4 SYSTEM. SIMILAR TO -60ACS EXCEPT PROVIDES VIDEO PULSE OUTPUT TO TRIGGER ON EXTERNAL TRANSMITTER CIRCUIT
8/12/44
APR. 45

-60ACY ACCESSORY FOR PO VIDEO GENERATOR:
SUPPLY: 115/1/60 5 AMPS. CHECKS SENSITIVITY, LOW & HIGH FREQUENCY RESPONSES AND SATURATION OF TYPE CAEV-46ADY RADAR RELAY RECEIVER. GENERATES ARTIFICIAL VIDEO TO CHECK OPERATION OF TYPE CAEV-50AFR DECODER UNIT AND TYPE 1/1/45
MAR. 45

5/11/45 RX-1606
JUN. 45
CJA-60ADD OCC RE 9656 (INT)
SPECTRUM ANALYZER
INPUT: 115/1/60, APPROXIMATELY 250 WATTS. DESIGNED TO VISUALLY SHOW, BY MEANS OF A 5" CATHODE RAY TUBE, EXISTENCE AND FREQUENCY OF RADIO FREQUENCY ENERGY WITHIN RANGE OF EQUIPMENT ANTENNA. RANGE OF SPECTRUM IS 100 MC TO 1250 5/23/45
JUN. 45

CRB-60ACT
OF 50 OHMS OR 6000 OHMS.

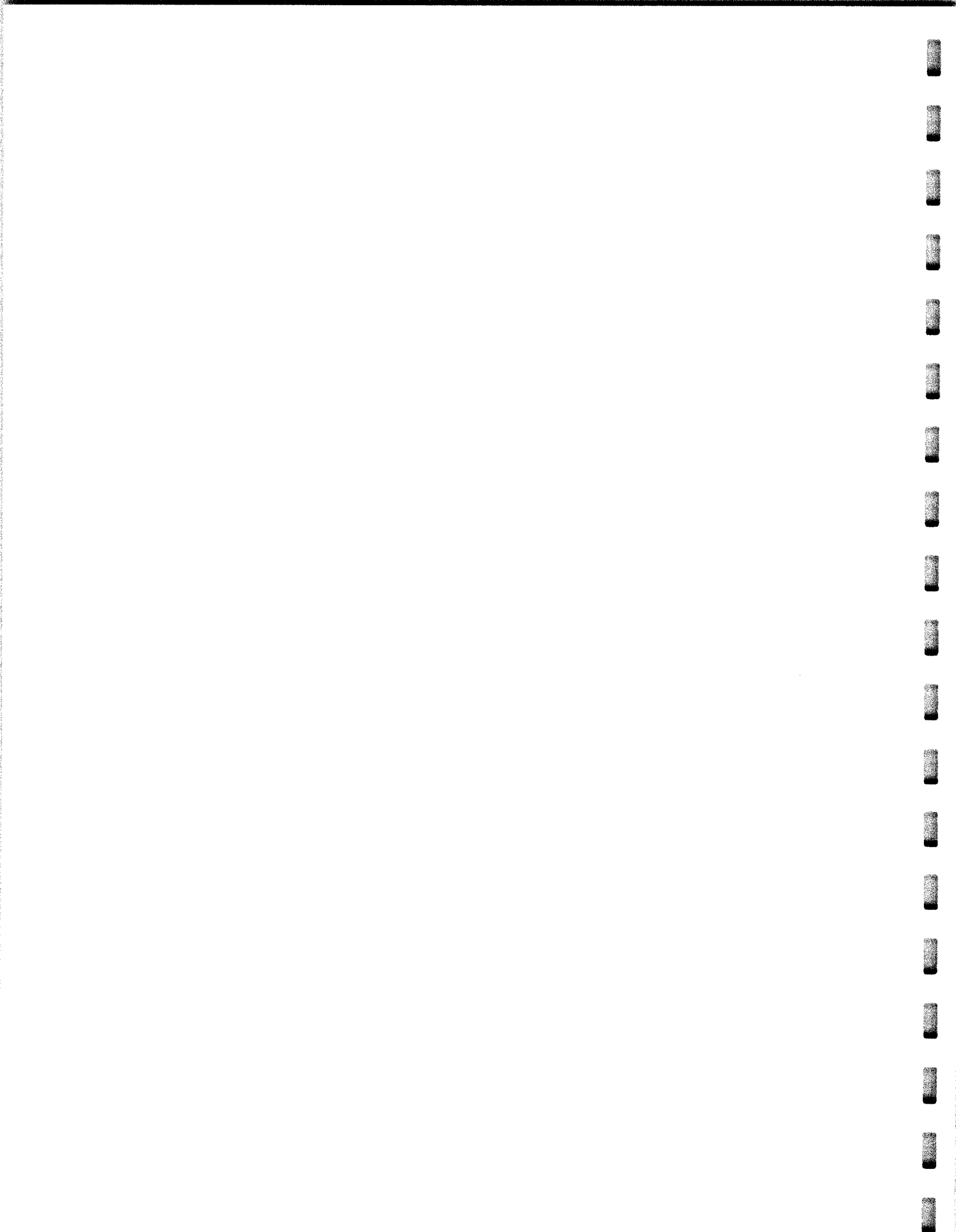
-60ACY
CAEV-43ACZ SYNCHRO CONVERTER AND SIMULATES SIGNALS THAT WOULD BE TRANSMITTED BY AN/ART-22 EQUIPMENT.

CJA-60ADD
MC. WITH MAXIMUM WIDTH OF 40 MC VIEWED AT ANY ONE TIME. UNIT IS APPROXIMATELY 16" X 16" X 19" & HAS SMALL CHART PANEL WHICH SWINGS UPWARD ABOUT 5" ON TOP.

CNC-60ACU *SEE BELOW RE9678-A
INTERFERENCE GENERATOR
SUPPLY: 110-120V, 10, 60-. 150 WATTS. CREATES SIGNALS AT VIDEO FREQUENCIES TO SIMULATE JAMMING CONDITIONS. CONTAINS EXCITER UNIT, VIDEO UNIT LOBE CONTROLLER, LOBE INVERTER MIXER AND BUILT IN RECTIFIER FOR USE WITH TRAINER MK 1 MOD-5548
8/17/44
OCT. 44

CAQT-60ACZ *SEE BELOW
A AND J SCOPE:
SUPPLY: 115/1/60. SIMILAR TO TS-100/AP BUT GATED SWEEPS ARE DIFFERENT CRYSTAL FREQUENCY IS DIFFERENT AND REPETITION RATE IS DIFFERENT. DESIGNED FOR PRECISION CALIBRATION AND AS GENERAL PURPOSE ACCESSORY FOR VF SERIES
1/4/45 MODEL 5
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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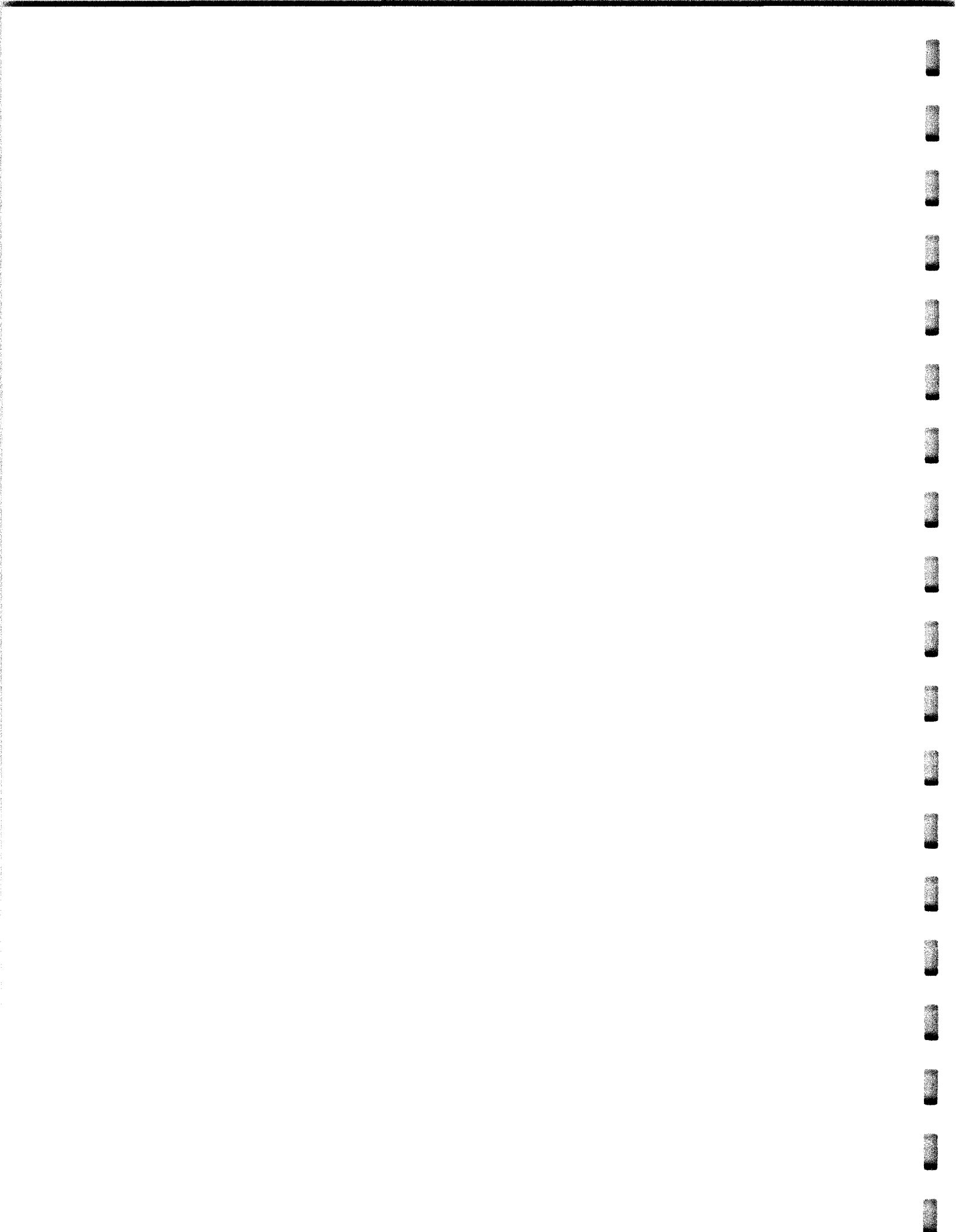


Class 62—Wires—Conductors—Junction Boxes

CLASS 62

CONFIDENTIAL

NAVSHIPS 900,109



Class 62—Wires—Conductors—Junction Boxes

5.62-1

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
CRY-62AAA ASA JUNCTION BOX: 7 3/8" H. 9 5/16" W. 14 1/4" D + 6/8" EACH END FOR CABLES. SEE 62AAY FOR DESCRIPTION.			CG-62AAH SC-1 ALIGNMENT SECTION: BLUE. OVERALL LENGTH 23 5/8".			CS-62AAQ AIA JUNCTION BOX: 3 KNOCKOUT PLUGS PROVIDED FOR ADDITIONAL CABLES.		
11/18/41 JUN. 44	P-720822		2/13/42 JUN. 44	ML-7662019-G1 REV 3	M-7467069 REV 3	5/7/42 JUN. 44	R-5657080	
CZK CW-62AAB SJ MK 8 JUNCTION BOX: 3 1/2" HIGH X 11 1/2" WIDE X 15 3/4" LONG 20 LBS.			CG-62AAJ MK 5 (EX CXAZ) LOWER JUNCTION BOX: STANDARD 40 WIRE CONNECTION BOX SPECIALLY ADAPTED TO CARRY COAXIAL LINES AND SPECIAL CABLES AT THE BOTTOM OF THE CABLE TWIST.			CG-62AAR BI-1 JUNCTION BOX:		
12/13/41 JUN. 44	D-150335 D-150889	BXX-12199.1SS. 1 MEESX748094	JUN. 44	ML-7661826-G1 REV 0	M-7467212 REV 0	5/5/42 JUN. 44		
CZM-62AAC SM JUNCTION BOX: 68 TERMINALS FOR MHFF CABLE. SAME AS -62100 EXCEPT HAS TWO LESS COAXIAL JACKS AND PLUGS AND MINOR MODIFICATION OF THE TERMINAL ARRANGEMENT. 100 ALUMINUM ONES MANUFACTURED BY CZM; 100 FABRICATED STEEL ONES (TYPE CW-62AAC-S MANUFACTURED BY CM. 1/29/42 D150488 JUN. 44			CG-62AAK MK 5 (EX CXAZ) UPPER JUNCTION BOX: SIMILAR TO CG-62AAJ BUT ADAPTED TO HANDLE THE NECESSARY CABLES AT THE TOP OF THE CABLE TWIST.			CPR-62AAS ARC-1 COAXIAL TRANSMISSION LINE: LENGTH 25 FT. IMPEDANCE 78 OHMS. OUTER CONDUCTOR: 332" ±.012 DIAMETER UNTUNED. INNER CONDUCTOR: 7 STRANDS OF #21 COPPER WIRE. INTERNAL INSULATION .285" ±.005" DIAMETER SOLID DIELECTRIC. OUTER PROTECTIVE COVERING NOT LESS THAN .025" THICK. 5/26/42 358-1999 SLO-192 JUN. 44		
(SEE ALSO CW-62100)	CZM-62AAC		JUN. 44	ML-7661825-G1 REV 0	M-7467209 REV 0	OD IS .405" ±.005".	CPR-62AAS	
			4/1/42 JUN. 44	(CW)D150524				
CPR-62AAD ARC COAXIAL TRANSMISSION LINE: 25 FEET OF COAXIAL CABLE WITH SUITABLE CONNECTORS.			CW-62AAM MK 9 JUNCTION BOX:			CG-62AAT MK 5 MOD 1 JUNCTION BOX: 40 WIRE JUNCTION BOX WITH SPECIAL CONNECTORS TO CARRY COAXIAL LINES FROM THE C.O. INDICATOR CABLES IN THE CABLE TWIST.		
2/2/42 JUN. 44			4/1/42 JUN. 44	(CW)D150541		5/27/42 JUN. 44	ML-766186-G1	
CG-62AAE SC-1 ALIGNMENT SECTION: RED. OVERALL LENGTH 2 FT. 4 9/16".			-62AAM SE.SH.SJ JUNCTION BOX: THIS FABRICATED STEEL UNIT CONTAINS TERMINAL STRIPS AND CABLE TERMINAL TUBES TO PROVIDE FOR THE JUNCTION OF 9 CABLES. A GUARD WITHIN THE UNIT COVERS THE HIGH VOLTAGE TERMINAL. DESIGNED FOR SHELF OF BULKHEAD MOUNTING. 4/1/42 D150533 JUN. 44		(CW)ESXX-682565 SUB 3	CG-62AAU MK 5 MOD 1 JUNCTION BOX: 40 WIRE JUNCTION BOX SIMILAR TO CG-62AAP.		
2/13/42 JUN. 44	ML-7662019-G4 REV 3	M-7467069 REV 3	4/1/42 JUN. 44	D150533		5/27/42 JUN. 44	ML-7661875-G1	
CG-62AAF SC-1 ALIGNMENT SECTION: GREEN. OVERALL LENGTH 2 FT 3 3/4".			-62AAO MK 10 JUNCTION BOX:			-62AAY ASB-3 & ASB-5 JUNCTION BOX: 4" X 4" X 1 1/8" INCLUDES AN ALUMINUM MOUNTING PLATE 4" X 5" X 3/32". APPROX. 1 LB. (CAY DWG P-7709157. SUB 2) (CAY)T-7609303. SUB 0. (CCR) AC59898A & C59959 6/20/42 (CAY)IN ASB-3 (SEE ABOVE) JUN. 44 (CCR)IN ASB-5		
2/13/42 JUN. 44	ML-7662019-G3 REV 3	M-7467069 REV 3	4/13/42 JUN. 44	D150478				
CG-62AAG SC-1 ALIGNMENT SECTION: YELLOW. OVERALL LENGTH 2 FT 1 15/16".			CW-62AAP MK 8 JUNCTION BOX:			-62AAM		
2/13/42 JUN. 44	ML-7662019-G2 REV 3	M-7467069 REV 3	4/16/42 JUN. 44	D150589				
			ASSIGNED ISSUED			ASSIGNED ISSUED		
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

CONFIDENTIAL

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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CS-62AAZ ASD-1
 JUNCTION BOX:
 3 KNOCKOUT PLUGS PROVIDED FOR ADDITIONAL CABLES.

3300 MC ± 1%.
 #ESX-590661, ESO-687382 ISS 2,
 ESO-687383, ISS 2.

CW-62ABC

CAKZ-62ABM-1 TDY-2/3
 LINE STRETCHER:

CANCELLED REASSIGNED. -62ABO

7/16/42 R-657006 R-657053-B
 JUN. 44

3/14/45
 APR. 45

CRY-62AAY ASA-1
 JUNCTION BOX:
 SIMILAR TO CRY-62AAA EXCEPT (1) CONTACT FORMERLY USED TO CONTROL THE PILOT OF THE RANGE INDICATOR IS NOW USED TO ACTUATE A RELAY IN THE RANGE INDICATOR, AND (2) THE PILOT LIGHT DROPPING RESISTOR HAS BEEN REMOVED FROM ONE CONTACT OF THE RE-7/24/42 MI-18105-A2
 JUN. 44

CPR-62ABD OAK
 SLOTTED TRANSMISSION LINE:

-62ABF

DO NOT ASSIGN

12/9/42
 JUN. 44

CRY-62AAY
 LAY AND PLACED ON ANOTHER LEAD.

CPR-62ABE ASG-3
 JUNCTION BOX:
 SAME AS CPR-62AAZ AND CPR-62AB3 EXCEPT FOR DIFFERENT CABLE LENGTHS.

CG-62ABJ TDY-1
 JUNCTION BOX
 INCLUDES A 955 TUBE, A 1/2 WATT RESISTOR, A PROBE, TERMINAL BOARD AND ASSOCIATED CABLING.

1/23/43
 JUN. 44

6/20/44 ML-7767670-G1
 OCT. 44

CPR-62AAZ ASG
 JUNCTION BOX:
 RECEIVES POWER FROM THE RADAR RECEIVER-INDICATOR THROUGH THREE CABLES, AND DELIVERS POWER THROUGH FOUR CABLES TO REST OF EQUIPMENT. INCLUDES CABLES.

CW-62ABF MK 20
 JUNCTION BOX:
 BOX TYPE METAL FRAME SECTION EQUIPPED WITH STEEL FEET AT EACH OF ITS FOUR LOWER CORNERS, WHICH ARE ADJUSTABLE TO PERMIT LEVELING THE ANTENNA TOWER ASSEMBLY UNIT INCLUDES THE CONNECTORS FOR THE CABLES TO OTHER UNITS, TO THE GASOLINE 11/2/43 X-66189F ESL-662705
 JUN. 44 ISS-1

CW-62ABK ST
 JUNCTION BOX
 CONTAINS 35 TERMINALS FOR CIRCUIT DISTRIBUTION INCLUDING 4 FUSED CIRCUITS, 4 HIGH VOLTAGE CIRCUITS & 3 COAXIAL CIRCUITS, FUSES ACCESSIBLE THROUGH A SMALL AUXILIARY COVER, 8 TERMINAL TUBES PROTRUDING FROM RIGHT SIDE & BOTTOM, AND 2
 8/16/44 D-152381 BX-19895
 OCT. 44 ISSUE 3

8/14/42 SLO-186
 JUN. 44

CTZ-62ABA BL SERIES
 IMPEDANCE MATCHING SECTION:
 USED IN CONNECTION WITH MATCHING THE OUTPUT IMPEDANCE OF RADAR TRANSMITTER WITH THE INPUT OF THE ANTENNA ASSEMBLY; IMPEDANCE RATIO 100 TO 50 OHMS.

CW-62ABF
 ENGINE GENERATOR OR MOTOR GENERATOR UNIT AND THE SEARCHLIGHT UNIT, AND A CONVENIENCE OUTLET FOR THE 400 CYCLE 115 VOLTS A.C. SUPPLY.

CW-62ABK
 AN CONNECTORS FROM RIGHT SIDE.

8/26/42 MA-1030
 JUN. 44

CPR-62ABB ASG-1
 JUNCTION BOX:
 RECEIVES POWER FROM THE RADAR RECEIVER-INDICATOR THROUGH THREE CABLES, AND DELIVERS POWER THROUGH FOUR CABLES TO REST OF EQUIPMENT. SAME AS CPR-62AAZ EXCEPT LENGTHS OF CABLES ARE DIFFERENT.

CW-62ABC MK 8 MOD 2
 JUNCTION BOX:
 THREE TERMINAL JUNCTION BOX, EACH TERMINAL CAPABLE OF RECEIVING FOUR COAXIAL CABLES OF THE RG-41/U TYPE. ALL 12 CABLES ACCESS HOLES ARE SEALED BY A SYNTHETIC RUBBER GLAND CLAMPED BY A CUPPED METAL CLAMP.
 3/10/44 D-152252 BX-50085
 APR. 45 ISS 1

CG-62ABL TDY-1
 COMMON JUNCTION BOX
 CAST ALUMINUM BOX WITH GASKETED LID. CONTAINS TERMINAL BOARD WITH 16 TERMINALS & NAVY TERMINAL TUBES FOR INPUT & OUTPUT CABLES. JOINS INDIVIDUAL CABLES FROM 8 TYPE -62ABJ JUNCTION BOXES TO 1 MULTI-CONDUCTOR CABLE.
 8/30/44 ML-7767746-G1
 OCT. 44

CPR-62ABB-1 ASG-1
 JUNCTION BOX:
 RECEIVES POWER FROM THE RADAR RECEIVER-INDICATOR THROUGH 3 CABLES AND DELIVERS POWER THROUGH 4 CABLES TO REST OF EQUIPMENT. SAME AS CPR-62ABB EXCEPT FOR DIFFERENT CABLE LENGTHS.

CRY-62ABH MK 26 MOD 3
 CRYSTAL MIXER:
 CONSISTS OF A COAXIAL TRANSMISSION LINE JUNCTION ASSEMBLY WITH PROVISIONS FOR INSERTING A 1N21A CRYSTAL AND INCLUDES A SUITABLE LOOP COUPLING FOR A DUPLEXING UNIT (-50AES OF -50AET). PROVISION IS MADE FOR CONNECTING TO THE OSCILLATOR AND:
 4/18/44 P-721959-501 P-727237-1
 JUN. 44 SUB 0

CAKZ-62ABM TDY-1
 LINE STRETCHER
 TROXBONE DEVICE FOR CHANGING EFFECTIVE LENGTH OF TRANSMISSION LINE BY 34". ESSENTIALLY A 7/8" AIR LINE OF 50 OHMS IMPEDANCE WITH INPUT & OUTPUT CONNECTORS TO MATCH FITTINGS ON TYPE -52ADE TRANSMITTER AND CABLE CONNECTOR ON THE 100 FT.
 8/30/44 ML-7664008-G1
 DEC. 44

CW-62ABC ASC-ASC-1
 R.F. TRANSMISSION LINE:
 7/8" OUTSIDE DIAMETER, RIGID TYPE, 70 OHMS. INNER CONDUCTOR STUB SUPPORTED. CONNECTS BETWEEN TRANSMITTER IN TYPE CW-43AAZ AIRCRAFT RADAR TRANSMITTER RECEIVER ASSEMBLY AND THE ANTENNA ASSEMBLY. ADJUSTED FOR OPERATION OVER FREQ. RANGE 9/7/42 D-150733 #SEE PLATE 2
 JUN. 44

CRY-62ABH
 I.F. OF THE -46ACY RF TO I.F. CONVERTER. ADJUSTABLE OSCILLATOR COUPLING IS ALSO PROVIDED.

CAKZ-62ABM
 OF RG-18/U TRANSMISSION LINE.

ASSIGNED ISSUED

ASSIGNED ISSUED

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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CAVH-62ABN MK 34 MOD 3 & 4
 RADAR JUNCTION BOX MARK 13 MOD 0:
 INCLUDES 2 COAXIAL JACKS AND PLUGS, 6
 TERMINAL TUBES, 48 TERMINALS AND 6 HIGH
 VOLTAGE TERMINALS.

12/13/44 D-152815 BX-25546
 MAR. 45 ISS 1

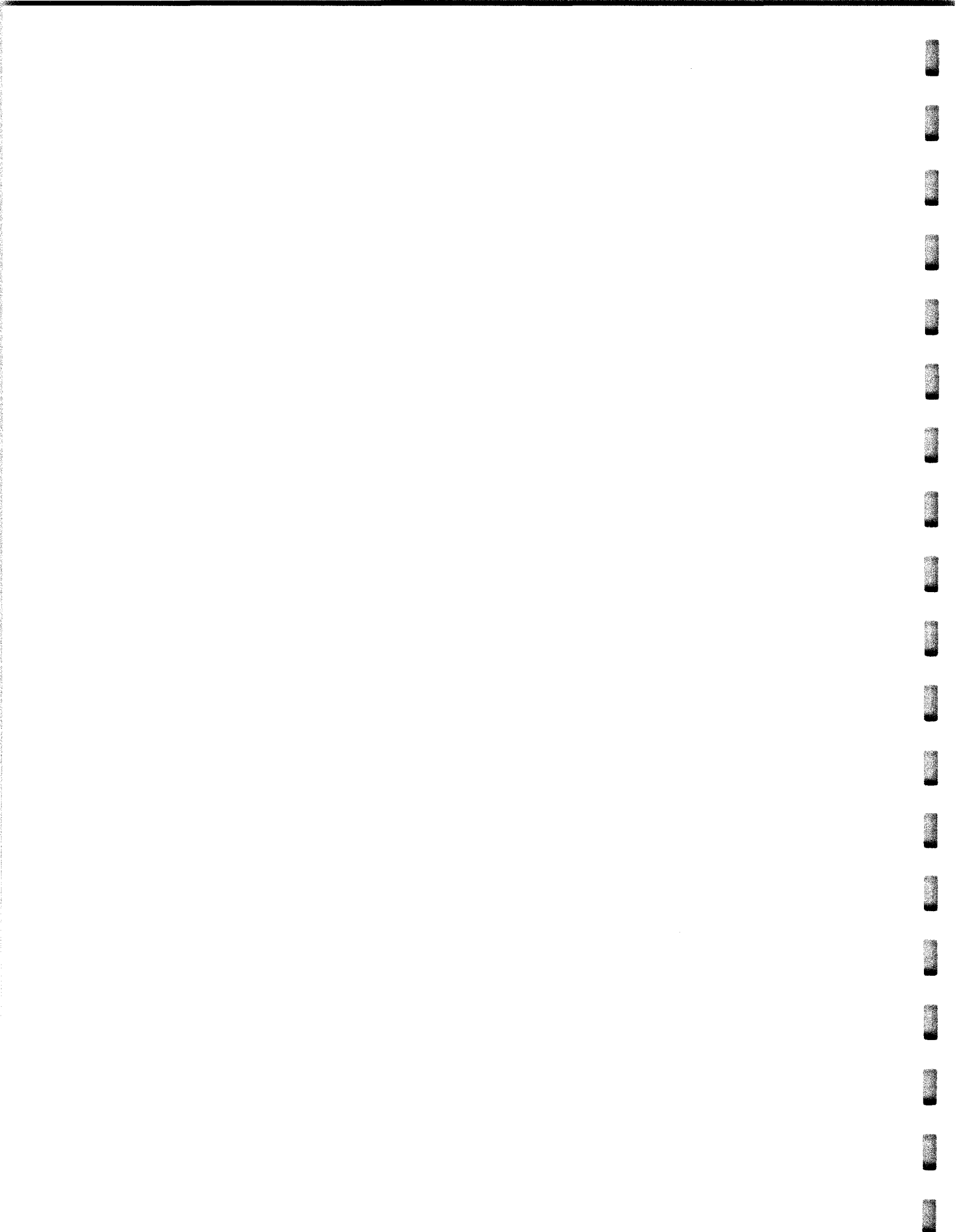
CAKZ-62AB0 TDY-2
 LINE STRETCHER
 TROMBONE DEVICE FOR CHANGING EFFECTIVE
 LENGTH OF TRANSMISSION LINE BY AT LEAST
 40". NOMINAL IMPEDANCE OF 50 OHMS OB-
 TAINED BY 4 AIR DIELECTRIC CONCENTRIC
 TRANSMISSION LINE TROMBONES, SERIES CON-
 NECTED, WITH INPUT AND OUTPUT CONNECTORS
 4/12/45 CG:P-7763508
 MAY 45 REV 0 CAKZ:114

CAKZ-62AB0
 (TYPES -49550 AND -49579). SIMILAR TO
 TYPE -62ABM EXCEPT HAS DIFFERENT MOUNT-
 ING FEET AND CABLE RECEPTACLES ARE AR-
 RANGED DIFFERENTLY.

CRP-62ABP TDY-a/TDY-1a
 LINE STRETCHER
 A RECTANGULAR PIECE OF 20" WAVEGUIDE
 1 1/2" X 3" WITH COUPLING FLANGES ON
 EACH END. CONTAINS 15" SLUG OF 1/4"
 POLYSTYRENE WHICH CAN BE MOVED FROM WALL
 TO CENTER OF WAVEGUIDE BY SCREW.

5/11/45 RX-1405
 MAY 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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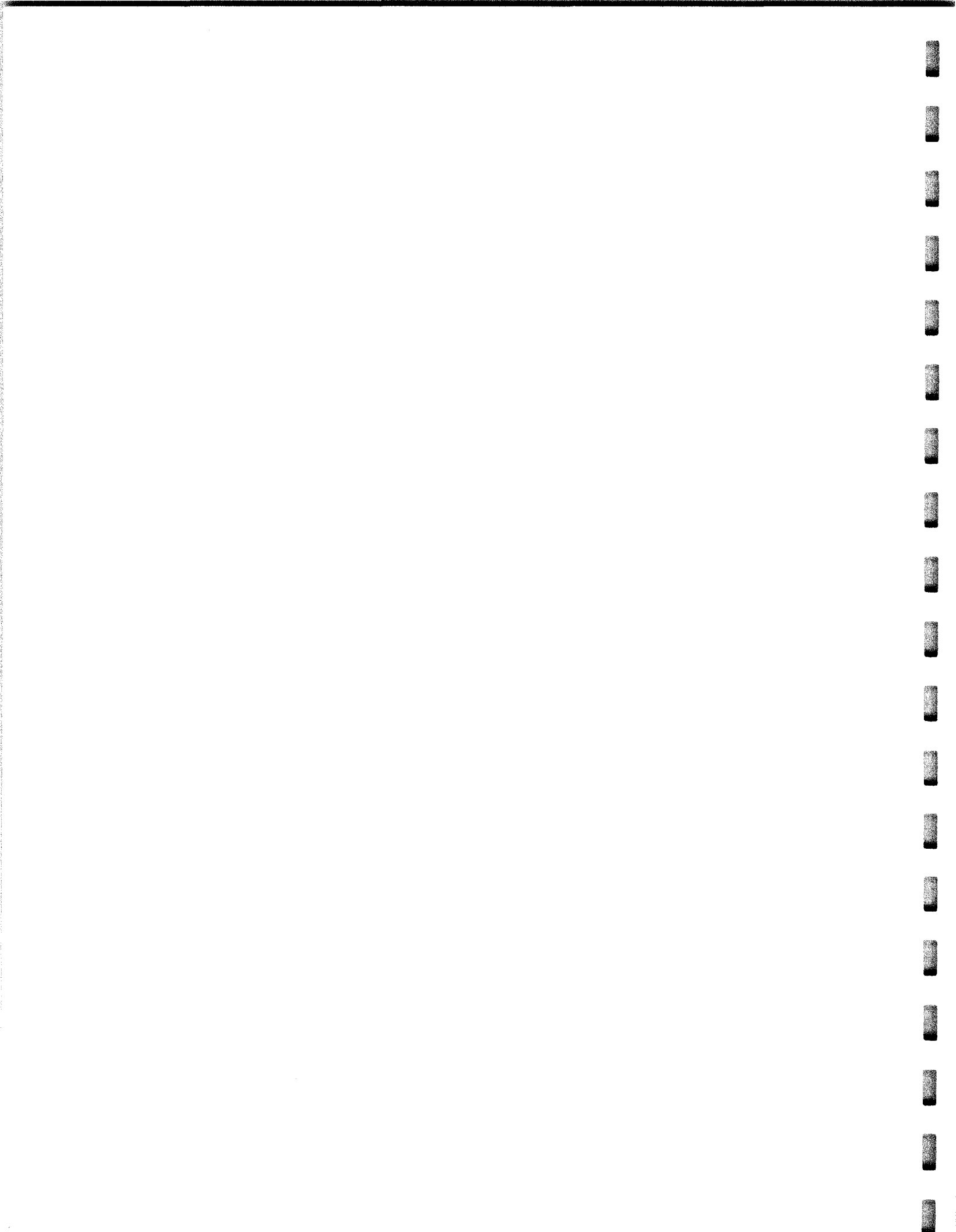


Class 66—Antennas—Antenna Assemblies

CLASS 66

CONFIDENTIAL

NAVSHIPS 900,109



Class 66—Antennas—Antenna Assemblies

5.66-1

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
CW-66AAA FA ANTENNA DIRECTIVE ANTENNA AND CONTROL EQUIPMENT.			66AAI UNASSIGNED			CW-66AAQ SH ANTENNA ASSEMBLY WAVE GUIDE, PARABOLIC SEGMENT, PLEXIGLASS COVER.		
2/25/41 D-150189 JUN. 44		CW:ESR-678375-1	JUN. 44			12/12/41 D-150325 JUN. 44		ESIX748138
CG-66AAB BF ANTENNA (RECEIVER)			CG-66AAJ SC ANTENNA ASSEMBLY			CRY 66AAR SD-a,SD-1,SD-2 ANTENNA ASSEMBLY HORIZONTAL "U". RADIATES CIRCULAR FIELD IN THE HORIZONTAL PLANE AND A DOMELIKE FIELD OVERHEAD. THREE SETS OF WHIPS ARE FURNISHED WITH THE ANTENNA; EACH SET HAS ITS USE IN A CERTAIN INTERVAL OF THE FREQUENCY BAND. THE FREQUENCY INTERVAL		12, 13/41 MI-13041 (SU-1) W-305138 SUB 0 JUN. 44 MI-13042 (SD-2) K-876043 SUB 0
5/1/41 DL-4W18A JUN. 44			*(ML7661584G1 ANTENNA & ML7350978G1 PEDESTAL) 5G SYNCHRO UNIT 6/24/41 * M-7465661 JUN. 44			CRY 66AAR IN WHICH ANY CERTAIN SET IS TO BE USED WILL BE INDICATED ON A CHART INSIDE THE TRANSMITTER DOOR.		
CG-66AAC BE ANTENNA (YAGI)			CG-66AAK SC ANTENNA ASSEMBLY					
5/1/41 DL-4W17A-G2 JUN. 44			*(ML7661584G1 ANTENNA & ML7350978G1 PEDESTAL) 7G SYNCHRO UNIT 6/24/41 * M-7465661 JUN. 44					
CG-66AAD BE ANTENNA (CURTAIN)			CG-66AAL ABA ANTENNA (TRANSMITTER OR RECEIVER): OPERATES ON 470 AND 493.5 MC FOLDED DIPOLE, (COAXIAL). 1/4 WAVE.			CRY 66AAR-1 SD-a,SD-1,SD-2 ANTENNA ASSEMBLY SAME AS -66AAR EXCEPT FOR SUBSTITUTION OF AN IMPROVED INSULATOR, OCCASIONED BY THE FACT THAT THE OLD INSULATORS FAIL.		
5/1/41 DL-4W15A-G1 JUN. 44			7/2/41 JUN. 44			10/13/42 JUN. 44		W-305138 SUB 0 K-876045 SUB 0
CW-66AAE FB-FC ANTENNA, DIRECTIVE 3 FT. X 12 FT. DIRECTOR MOUNTED ANTENNA.			CG-66AAM BH, B1, B1-1 ANTENNA ASSEMBLY (ANT. & PEDESTAL): VERTICALLY POLARIZED, 2 X 3 DIPOLE ARRAY OVERALL WIDTH 43", HEIGHT 61" AMPLOYNE IN BASE. INCLUDES SYNCHRO EQUIPMENT SO IT MAY BE OPERATED BY REMOTE CONTROL IN UNISON WITH ANOTHER ANTENNA. 8/25/41 M-29J642 JUN. 44			CW-66AAS FH ANTENNA ASSEMBLY WAVEGUIDE RADIATION SYSTEM; 3 FT. 4" HIGH X 4 FT. 4 1/2" PLUS 2 FT. 6" (RODS) DEEP X 10 FT. 2" LONG (BETWEEN BEARINGS) 1350 LBS.		
5/15/41 D-150258 JUN. 44		CW:ESR-691077 ISSUE 3				12/13/41 D-150319 JUN. 44		XX-748093
CW-66AAF FB-FC ANTENNA, DIRECTIVE 6 FT. X 6 FT. DIRECTOR MOUNTED ANTENNA.			CG-66AAN MK(EX CXAZ) ANTENNA ASSEMBLY INCLUDES ANTENNA MATTRESS, PHASING NETWORK AND PEDESTAL. NECESSARY MOTOR DRIVES AND SELSYN POSITION TRANSMITTERS IN PEDESTAL. ESPECIALLY DESIGNED TO *PHASING NETWORK, ML-7351065G3, PHASING EQUIPT ML-7351047G1 PEDESTAL DL-3338492 11/1/41 MATIKESS* P-7764335 JUN. 44 ML-7350998* REV 1			CG-66AAT ABA-1 ANTENNA ASSEMBLY 1/4 WAVE ANTENNA		
CW:ESR-691078 ISSUE 3 5/15/41 D-150259 JUN. 44		CRY:KX-382954 SUB 4				1/12/42 JUN. 44		
CRY 66AAG SD VERTICAL ANTENNA (MAST)			CG-66AAN MOUNT ON TOP OF DIRECTOR.			CG-66AAU ABA-1 ANTENNA ASSEMBLY INCLUDES INTEGRAL CONCENTRIC MATCHING SECTION FOR 50 OHM CONCENTRIC LINE. FOLDED COAXIAL DIPOLE.		
6/2/41 JUN. 44		P-720901-0				2/3/42 JUN. 44		
CW-66AAH FD ANTENNA. 2 LOBE SWITCHING			CW-66AAP SJ ANTENNA ASSEMBLY WAVE GUIDE WITH PARABOLIC SEGMENT REFLECTOR.			CSX 66AAV ABK, ABK-1 ANTENNA ASSEMBLY (U.S.N. TYPE ANTENNA, NAF TYPE "ZB", SOLID OVAL CROSS-SECTION)		
6/17/41 D-150261 JUN. 44		CW:ESR-691079 ISSUE 3	12/12/41 D-150312 JUN. 44		ESX-748094	2/5/42 CSX & CUF JUN. 44		
			ASSIGNED ISSUED			ASSIGNED ISSUED		
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CID 66AAM	ABK, ABK-1	ANTENNA ASSEMBLY INCLUDES INTEGRAL CONCENTRIC MATCHING SECTION FOR 50 OHM LINE. (BRITISH TYPE ANTENNA, HOLLOW STREAM-LINED CROSS-SECTION)	CG-66ABE	SC-1	ANTENNA ASSEMBLY 7G SYNCHRO	CM-66ABL	LW	ANTENNA ASSEMBLY: CONSISTS OF SMALL DIPOLE ANTENNA ARRANGED TO TRANSMIT SIGNALS BETWEEN MAIN RADAR ANTENNA AND 60AAL HAVEMETER AND SIGNAL GENERATOR. CORDS AND JACKS PROVIDED.
2/6/42	JUN. 44		2/13/42	JUN. 44		4/2/42	D-150565	JUN. 44
CPR-66AAX	ARC	ANTENNA ASSEMBLY WHIP ANTENNA	CG-66ABF	SC-1	ANTENNA ASSEMBLY	-66ABM	BL-1-2-3	RECEIVER ANTENNA: FOR RECEIVER HORIZONTALLY POLARIZED.
2/10/42	JUN. 44		2/13/42	JUN. 44		4/4/42		JUN. 44
CG-66AAY	SC-1	ANTENNA ASSEMBLY 6G SYNCHRO.	-66ABG	BL	ANTENNA ASSEMBLY	-66ABN	BL-1-2-3	TRANSMITTER ANTENNA: FOR TRANSMITTER. HORIZONTALLY POLARIZED.
2/13/42	JUN. 44		2/17/42	JULY 44		4/4/42		JUN. 44
CG-66AAZ	SC-1	ANTENNA ASSEMBLY 5 G SYNCHRO	CG-66ABM	SK	ANTENNA ASSEMBLY: 16 FT X 18 FT WITH A 7 G SYNCHRO IN PEDESTAL. OPERATES FROM 0 TO ± 250 VOLTS DC. INPUT IMPEDANCE: DOUBLE COAXIAL LINE, 3 INCH 50 OHM LINE, 1 INCH 50 OHM LINE INSIDE THE INNER CONDUCTOR OF THE 3 INCH LINE.	-66ABD	SE	ANTENNA ASSEMBLY: COMPRISES A 42 X 20 INCH SECTION OF PARABOLOID WITH A CYLINDRICAL PLEXIGLASS COVER HAVING HEMISPHERICAL ENDS. DESIGNED FOR MOUNTING ON 16 1/2" BOLTING CIRCLE. RADIO POWER IS FED THROUGH A 3" DIAMETER WAVEGUIDE TO THE ANTENNA.
2/13/42	JUN. 44		3/1/42	D/S RA-1550	W-7351292 REV 1	4/11/42	D-150527	(CW)ESXX-682565 SUB 3
CG-66ABA	SC-1	ANTENNA ASSEMBLY 5 G SYNCHRO	-66ABI		UNASSIGNED	CRV-66ABP	SA	MONITOR ANTENNA ASSEMBLY: CONSISTS OF 1/2 WAVE ANTENNA MOUNTED ON SUPPORTING BOX. BOX INCLUDES THERMOCOUPLE WHICH IS CONNECTED TO CENTER OF ANTENNA. OUTPUT OF THERMOCOUPLE OPERATES TYPE CRV-60AAM MONITOR METER UNIT.
2/13/42	JUN. 44		JUN. 44			4/15/42	M-422421	SUB 0
CG-66ABB	SC-1	ANTENNA ASSEMBLY 5 G SYNCHRO	CRP-66ABJ	SG	ANTENNA ASSEMBLY: INPUT IMPEDANCE: WAVE GUIDE 1 1/2" X 3" X .083" WALL. MAXIMUM RPM IS 24. MOTOR RATING 1/8 HP, 250V DC, 860 RPM, 40°C AMBIENT. MOTOR HAS PERMANENT MAGNET FIELD.	CRV-66ABQ	SA	ANTENNA ASSEMBLY: OPERATES FROM 70 OHM CONCENTRIC LINE.
2/13/42	JUN. 44		3/14/42	WX-3881	DXG-74-5037 SUB 0	4/15/42		JUN. 44
CG-66ABC	SC-1	ANTENNA ASSEMBLY 7 G SYNCHRO	CRP-66ABJ-1	SG	ANTENNA ASSEMBLY: INPUT IMPEDANCE: WAVE GUIDE 1 1/2" X 3" X 0.083" WALL THICKNESS. MAXIMUM RPM IS 24. MOTOR RATED 1/8 HP, 250V DC, 860 RPM, 40°C AMBIENT. SAME AS BASIC NUMBER EXCEPT USES A DC EXCITED FIELD (GEAR) MOTOR.	CRV-66ABR	SA-1	ANTENNA ASSEMBLY: OPERATES FROM 70 OHM CONCENTRIC LINE.
2/13/42	JUN. 44		10/8/42	WX-3881A	DXG-74-5037 SUB 0	4/15/42		JUN. 44
CG-66ABD	SC-1	ANTENNA ASSEMBLY 7G SYNCHRO	CG-66ABK	BE-1	ANTENNA ASSEMBLY: CURTAIN SIMILAR TO CG-66AAD EXCEPT OF STEEL CONSTRUCTION.	CHZ-66ABS	YH	ANTENNA ASSEMBLY: HORIZONTAL "U" TYPE. OPERATES WITH A 50 OHM CONCENTRIC LINE.
2/13/42	JUN. 44		3/20/42	JUN. 44		5/1/42		JUN. 44

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CG-66ABT LM			CPR-66ACA ARC-1			-66ACC		
ANTENNA ASSEMBLY: SAME AS CG-60AAA SIGNAL GENERATOR.			ANTENNA ASSEMBLY:			UNASSIGNED		
5/3/42			5/26/42 PART #358-1997	5/10/42	SLO-193			
JUN. 44			JUN. 44			JUN. 44		
CG-66ABU CXBR			CG-66ACB SC-2			RA-66ACJ X-ARD		
ANTENNA ASSEMBLY: INCLUDES A ROTATING SWIVEL WHICH WILL PERMIT MANUAL ROTATION OF APPROXIMATELY 370° IN AZIMUTH ONLY. THE ANTENNA AND SWIVEL ARE MOUNTED ON A TRIPOD. TRANSMITTER OSCILLATOR AND RECEIVER CONVERTER ARE MOUNTED IN WATER TIGHT CASES ON THE 5/5/42 *SEE PLATE 2 M-19J597			ANTENNA ASSEMBLY: (RED BAND) 6 G SYNCHRO. SAME AS CG-66ABC EXCEPT HAS A 6 G SYNCHRO IN PEDESTAL. WITH RECOGNITION FROM ELEMENT. DOUBLE CONCENTRIC TRANSMISSION LINE. DOUBLE SPEED ANTENNA MOTOR WITH 2 TO 1 GEAR REDUCTION. 5/27/42 ML-7662046-G4 P-7764747			ANTENNA AND DETECTOR ASSEMBLY: CONSISTS OF CONCENTRIC "SLOTTED LINE" ASSEMBLY IN WHICH CENTER CONDUCTOR EXTENDS BEYOND THE ASSEMBLY AND CONSTITUTES THE ANTENNA. INCLUDES DIODE DETECTOR MOUNTED ON THE UNIT. INPUT 6.3V AC OR DC. 0.75		
JUN. 44		REV 1	JUN. 44		REV 0	6/13/42		FIG. 1
						JUN. 44		
			CG-66ACC SC-2			RA-66ACJ		
			ANTENNA ASSEMBLY: (GREEN BAND) 6 G SYNCHRO SAME AS CG-66ABD EXCEPT FOR SAME CHANGES AS CG-66ACB.			AMPS. LENGTH VARIABLE FROM 29 3/16" TO 39 7/16".		
			5/27/42 ML-7662046-G3 P-7764747					
			JUN. 44		REV 0			
			CG-66ACD SC-2					
			ANTENNA ASSEMBLY: (YELLOW BAND) 6 G SYNCHRO. SAME AS CG-66ABE EXCEPT FOR SAME CHANGES AS CG-66ACB.					
			5/27/42 ML-766204-G2 P-7764747					
			JUN. 44		REV 0			
			CG-66ACE SC-2					
			ANTENNA ASSEMBLY: (BLUE BAND) 6 G SYNCHRO. SAME AS CG-66ABF EXCEPT FOR SAME CHANGES AS CG-66ACB.					
			5/27/42 ML-766204-G1 P-7764747					
			JUN. 44		REV 0			
			CG-66ACF BL SERIES					
			ANTENNA ASSEMBLY: VERTICALLY POLARIZED - OMNI-DIRECTIONAL. FULL WAVE. "STOVE-PIPE".					
			5/30/42		HA-1015			
			JUN. 44					
			-66ACG BL SERIES					
			ANTENNA ASSEMBLY: VERTICALLY POLARIZED. OMNI-DIRECTIONAL. 1/4 WAVE. WITH GROUND PLANE.					
			5/12/42					
			JUN. 44					
			CG-66ACH ASC					
			ANTENNA ASSEMBLY: 20 TO 60 RPM. *CM:W-6C135. (CG)W-6C135. (CW)ESX-686272					
			5/16/42					
			JUN. 44					
			CG-66ACN-1 ASD					
			ANTENNA ASSEMBLY: 1/2 WAVE DIPOLE. SWEEPS MECHANICALLY THROUGH 150°; SIXTY SIX TIMES PER MINUTE (SERIALS 1 TO 150); 44 TIMES PER MINUTE (SERIALS 151 TO 500); 35 TIMES PER MINUTE (SERIALS 501 UP). 3 POSITIONS OF TILT.					
			5/23/42					
			JUN. 44					
			CG-66ACN-1 ASD					
			ANTENNA ASSEMBLY: 1/2 WAVE DIPOLE. SWEEPS MECHANICALLY THROUGH 140° 33 TIMES A MINUTE MAXIMUM. SAME AS -66ACN EXCEPT HAS FIVE POSITIONS OF TILT. INTERCHANGEABLE AS A WHOLE WITH -66ACN.					
			6/6/42		6C81G1			
			JUN. 44					
			5/16/42					
			JUN. 44					
			CG-66ACN-1 ASD					
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			JUN. 44					
			CG-66ACN-1 ASD					
			ANTENNA ASSEMBLY: 1/2 WAVE DIPOLE. SWEEPS MECHANICALLY THROUGH 140° 33 TIMES A MINUTE MAXIMUM. SAME AS -66ACN EXCEPT HAS FIVE POSITIONS OF TILT. INTERCHANGEABLE AS A WHOLE WITH -66ACN.					

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
CRV-66ACB ARE ANTENNA ASSEMBLY: 1/2 WAVE LONG. INTEGRAL 1/4 WAVE CON- CENTRIC MATCHING SECTION, AND 2 QUARTER WAVE GROUND RODS. INPUT IMPEDANCE 72 OHMS. INCLUDES ONE NAVY TYPE -49194 CON- NECTOR. (RED) 7/20/42 MI-17057 T-256154-501 JUN. 44 SUB 9			CPR-66ACW ASG-1 ANTENNA ASSEMBLY	7/31/42 JUN. 44		CLQ-66ADC OAF ANTENNA ASSEMBLY: STUB ANTENNA 3/8 WAVELENGTH LONG PROVIDED WITH A WEATHERPROOF CABLE FITTING. 9/4/42 CRV:MI-18051 CRV:K-876933-1 JUN. 44 SUB 0		
CRV-66ACP ARF ANTENNA ASSEMBLY 1/2 WAVE LONG. INTEGRAL 1/4 WAVE CON- CENTRIC MATCHING SECTION AND 2 QUARTER WAVE GROUND RODS. INPUT IMPEDANCE 72 OHMS. INCLUDES ONE NAVY TYPE -49194 CONNECTOR. (YELLOW) 7/20/42 MI-17037A T-256154-502 JUN. 44 SUB 9			CM-66ACX LZ ANTENNA ASSEMBLY CONSISTS OF A DIPOLE MOUNTED IN A 9 INCH PARABOLIC REFLECTOR WITH A WEATHERPROOF HOOD. A COAXIAL JACK IS PROVIDED FOR THE HIGH FREQUENCY CONNECTION. INPUT IMPED- ANCE: 72 OHMS. 8/9/42 D-150898 JUN. 44			RA-66ADD XBD ANTENNA ASSEMBLY: STUB CIRCULAR CROSS-SECTION 1/4 WAVE- LENGTH FOR USE ABOARD SHIP. 9/4/42 JUN. 44		
CRV-66ACQ ARG ANTENNA ASSEMBLY 1/2 WAVE LONG. INTEGRAL 1/4 WAVE CON- CENTRIC MATCHING SECTION, AND 2 QUARTER WAVE GROUND RODS. INPUT IMPEDANCE 72 OHMS. INCLUDES ONE NAVY TYPE -49194 CON- NECTOR. (GREEN) 7/20/42 MI-17037B T-256154-503 JUN. 44 SUB 9			CG-66ACY ASC-1 ANTENNA ASSEMBLY 20 TO 60 RPM. SAME AS CG-66ACH EXCEPT BASE HAS DIFFERENT MOUNTING HOLE DIMEN- SIONS. 8/12/42 W-8258243 JUN. 44			RA-66ADE XBD ANTENNA ASSEMBLY(AIRBORNE) STUB OVAL MOSS SECTION: 1/4 WAVELENGTH FOR AIRBORNE USE; MODIFIED "23" TYPE. 9/4/42 JUN. 44		
CRV-66ACR ARH ANTENNA ASSEMBLY 1/2 WAVE LONG. INTEGRAL 1/4 WAVE CON- CENTRIC MATCHING SECTION, AND 2 QUARTER WAVE GROUND RODS. INPUT IMPEDANCE 72 OHMS. INCLUDES ONE NAVY TYPE -49194 CON- NECTOR. (BLUE) 7/20/42 MI-17037C T-256154-504 JUN. 44 SUB 9			CPR-66ACZ ASC,ASG-1 ANTENNA ASSEMBLY CONSISTS OF A ROTATING AND TILTING AN- TENNA WITH A PARABOLIC REFLECTOR, MOTOR FOR PROVIDING THE ROTARY AND TILTING MOVEMENTS, AN INSTRUMENT TYPE SYNCHRO FOR COORDINATING ROTARY POSITION OF THE ANTENNA WITH THE SWEEP CIRCUITS OF THE 8/13/42 JUN. 44			CGI-66ADF OAA-2 ANTENNA ASSEMBLY SINGLE ROD 3/8 WAVELENGTH LONG CONNECTS AT ONE END TO A 70 OHM CONCENTRIC TRANS- MISSION LINE. THIS ANTENNA IS SUPPORTED BY A CLAMP WHICH IS NOT SUPPLIED AS A PART OF THE EQUIPMENT. SIMILAR TO RA-66ABZ. 9/18/42 SC00-5144 S000-5142 JUN. 44		
CRV-66ACS ATE ANTENNA ASSEMBLY 1/2 WAVE LONG. INTEGRAL 1/4 WAVE CON- CENTRIC MATCHING SECTION, INTEGRAL 1/4 WAVE REFLECTOR, AND 2 QUARTER GROUND RODS. INCLUDES ONE NAVY TYPE -49194 CONNECTOR. (RED) 7/20/42 MI-17036 T-256151-501 JUN. 44 SUB 15			CPR-66ACZ RECEIVER-INDICATOR UNIT. INPUT: 24V DC, 3.6 AMP, 86.5 WATTS AND 105V DC, 10.5 MA, 1.1 WATTS, 20 RPM. MOUNTS BY MEANS OF FIVE BOLTS TO BASE IN PLANE OR TO TYPE CPR-10A3E MOUNTING BASE FOR ANTENNA ASSEMBLY OR TO TYPE CPR-43ABB AIRCRAFT RADAR TRANSMITTER ANTENNA & CONVERTER. 8/17/42 DL4W155A P-36J391 JUN. 44 REV 0			CHW-66ADG YH-1 ANTENNA ASSEMBLY FOR USE WITH 50 OHM CONCENTRIC LINE HORIZONTAL "U" TYPE. SAME AS -66ABS EXCEPT (1) BOTTOM AND TOP MAST SECTIONS HAVE WALL THICKNESS INCREASED TO 1/8", (2) BOTTOM SECTION REDUCED TO 1 7/8" O.D. *CHZ:SA-7070 REV 0. 9/29/42 CHZ:SA-7067 JUN. 44 REV 0*		
CRV-66ACT ATF ANTENNA ASSEMBLY 1/2 WAVE LONG. INTEGRAL 1/4 WAVE CON- CENTRIC MATCHING SECTION, INTEGRAL 1/4 WAVE REFLECTOR, AND 2 QUARTER WAVE GROUND RODS. INCLUDES ONE NAVY TYPE -49194 CONNECTOR. (YELLOW) 7/20/42 MI-17036A T-256151-502 JUN. 44 SUB 15			CG-66ADA BA ANTENNA ASSEMBLY 1/2 WAVE FOLDED DIPOLE MOUNTING BRACKETS SUPPLIED BY NAVY. INPUT IMPEDANCE: 66 OHMS APPROX. BOTH ANTENNAS ARE IDENTICAL. 8/17/42 DL4W155A P-36J391 JUN. 44 REV 0			CHW-66ADG FROM 2 1/8" O.D. (3) COPPER REDUCERS HAVE BEEN REPLACED BY STEEL. (4) MAST SECTIONS TELESCOPE 3" INSTEAD OF 2". (5) GUY WIRE ADJUSTMENT PLATES ARE PINNED INSTEAD OF BRAZED, AND (6) CORRESPONDING SECTIONS ARE INTERCHANGEABLE.		
CRV-66ACU ATG ANTENNA ASSEMBLY 1/2 WAVE LONG. INTEGRAL 1/4 WAVE CON- CENTRIC MATCHING SECTION, INTEGRAL 1/4 WAVE REFLECTOR, AND 2 QUARTER WAVE GROUND RODS INCLUDES ONE NAVY TYPE -49194 CONNECTOR. (GREEN) 7/20/42 MI-17036B T-256151-503 JUN. 44 SUB 15			66ADB SD-3 ANTENNA ASSEMBLY INPUT IMPEDANCE: 70 OHMS. CONSISTS OF FOUR DRIVEN ELEMENTS WHICH COMPRISE TWO BAYS OF RADIATORS STACKED ONE HALF WAVE LENGTH VERTICALLY AND ONE QUARTER WAVE LENGTH HORIZONTALLY. "ELEMENT" CONSISTS OF FULL WAVE DIPOLE CENTER FED. 9/4/42 CRV:MI-18041-2 CRV:-440008-1 JUN. 44 CHN: SUB 1			CM-66ADH SJ ANTENNA ASSEMBLY CONSISTS OF PARABOLIC SEGMENT REFLECTOR AND TERMINATION FOR WAVE GUIDE. MECHANICALLY AND ELECTRICALLY INTER- CHANGEABLE AS A WHOLE WITH CM-66AAP. BUT NOT WITH RESPECT TO PARIS. *ESXX-688972 ISSUE 1 9/26/42 D-150859 ESR-679593 ISS 9 JUN. 44 ESX-688771 ISS 1*		
CRV-66ACV ATH ANTENNA ASSEMBLY 1/2 WAVE LONG. INTEGRAL 1/4 WAVE CON- CENTRIC MATCHING SECTION, INTEGRAL 1/4 WAVE REFLECTOR, & 2 QUARTER WAVE GROUND RODS. INCLUDES ONE NAVY TYPE -49194 CONNECTOR. (BLUE) 7/20/42 MI-17036C T-256151-504 JUN. 44 SUB 15			66ADB DIRECTIONAL TYPE; HAS HORIZONTAL BEAM WIDTH OF 48° TO HALF POWER POINT, AND THREE MINOR LOBES OF BACK RADIATION OF ABOUT 10S. HANDLING POWER: 100KW. ROTAT- ED FROM TYPE-10132 ANTENNA PEDESTAL. 10/7/42 ILL JUN. 44			CAY-66ADI CXBQ ANTENNA ASSEMBLY: CANCELED		

Class 66—Antennas—Antenna Assemblies

5.66-5

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
CAY-66ADJ	CXBQ	ANTENNA ASSEMBLY: CONSISTS OF SEPARATE PARABOLIC REFLECTOR TYPE RECEIVING AND TRANSMITTING ANTENNAS AND SUPPORTING STRUCTURE. ANTENNAS ARE OF THE OPEN-WAVE GUIDE TYPE. ROTATES FROM 1/2 TO 12 RPM. SUPPORTING STRUCTURE INCLUDES A RECEIVER PREAMPLIFIER. 10/1/42 LL T-7609436 JUN. 44 SUB 0	CYE-66ADR	SBXSS-21878	ANTENNA ASSEMBLY: TWO ASA ANTENNAS TOGETHER. 12/8/42 JUN. 44	CRY-66ADY	ARB	ANTENNA ASSEMBLY: 1/2 WAVELENGTH LONG. INTEGRAL 1/4 WAVELENGTH CONCENTRIC MATCHING SECTION AND GROUND PLANE. SAME AS -66ACR EXCEPT GROUND PLANE INSTEAD OF GROUND RODS. (BLUE) 12/30/42 MI-17065C P-255372 JUN. 44 SUB 0
CBM-66ADK	SF	ANTENNA ASSEMBLY: CONSISTS OF DIPOLE ANTENNA. PARABOLIC REFLECTOR. ROTATING MECHANISM AND CONTROL SYNCHRO ALL COVERED BY A SEALED PLYWOOD DOME. POWER INPUT: 115/1/400. 10 WATTS. 0.092 AMPS AND 115 VOLTS DC AT 0.43 AMPS AND 50 WATTS. 10/14/42 922 SK-5360 JUN. 44 ALT 1	-66ADS	BM	ANTENNA ASSEMBLY: 12/12/42 JUN. 44	CRY-66ADZ	ATE	ANTENNA ASSEMBLY: 1/2 WAVELENGTH LONG. INTEGRAL 1/4 WAVELENGTH CONCENTRIC MATCHING SECTION AND GROUND PLANE. SAME AS -66ACS EXCEPT GROUND PLANE INSTEAD OF GROUND RODS. INCLUDES 1/4 WAVELENGTH REFLECTOR. (RED) 12/30/42 JUN. 44
CYT-66ADL	0AJ	ANTENNA ASSEMBLY: CONSISTS OF A 1/2 WAVELENGTH DIPOLE IN A POLYSTYRENE BALL. (ANTENNA FREQUENCY) CONNECTED TO RESONANCE CHAMBER BY A CONCENTRIC CABLE. SAME AS TS-115/APS-2F EXCEPT HAS PHILCO INSTEAD OF TYPE N CONVERTER. 11/4/42 APR. 45	CRY-66ADT	ARJ	ANTENNA ASSEMBLY: 1/4 WAVELENGTH ANTENNA WITH 2 GROUND RODS AND 1/4 WAVELENGTH CONCENTRIC MATCHING SECTION. LOWER BAND. 12/12/42 DEC. 44 P-255334-G504 SUB. 6	CRY-66AEA	ATF	ANTENNA ASSEMBLY: 1/2 WAVELENGTH LONG. INTEGRAL 1/4 WAVELENGTH CONCENTRIC MATCHING SECTION AND GROUND PLANE. SAME AS -66ACT EXCEPT GROUND PLANE INSTEAD OF GROUND RODS. INCLUDES 1/4 WAVELENGTH REFLECTOR. (YELLOW) 12/30/42 JUN. 44
CYT-66ADM	0AJ-1	ANTENNA ASSEMBLY: CONSISTS OF A 1/2 WAVELENGTH DIPOLE IN A POLYSTYRENE BALL. CONNECTED DIRECTLY TO RESONANCE CHAMBER BY PLUG-IN ARRANGEMENT. 11/4/42 JUN. 44	CRY-66ADU	ARK	ANTENNA ASSEMBLY: 1/2 WAVELENGTH ANTENNA WITH 2 GROUND RODS AND 1/4 WAVELENGTH CONCENTRIC MATCHING SECTION. HAS ELLIPTICAL TUBING FOR RADIATOR AND GROUND RODS AND A TRANSMISSION LINE CONNECTOR. FOR USE IN CHANNELS #6 TO 10 OF ARK 12/12/42 MI-17100A P-255340-503 DEC. 44 (CFN)MI-17100E SUB 3	CRY-66AEB	ATG	ANTENNA ASSEMBLY: 1/2 WAVELENGTH LONG. INTEGRAL 1/4 WAVELENGTH MATCHING SECTION AND GROUND PLANE. SAME AS -66ACU EXCEPT GROUND PLANE INSTEAD OF GROUND RODS. INCLUDES 1/4 WAVELENGTH REFLECTOR. (GREEN) 12/30/42 JUN. 44
CRP-66ADN	CXBX SO.SO-a	ANTENNA ASSEMBLY: CONSISTS OF A ROTATABLE ANTENNA AND REFLECTOR. DRIVE MOTOR AND SYNCHRO. UNIT IS COVERED BY A TURRET. 11/11/42 WX-4817 M-3A-L259 JUN. 44 SUB A	(UPPER FIVE CHANNELS).	CRY-66ADU	ANTENNA ASSEMBLY: 1/2 WAVE LONG. INTEGRAL 1/4 WAVE CONCENTRIC MATCHING SECTION AND GROUND PLANE. SAME AS -66ACO EXCEPT GROUND PLANE INSTEAD OF GROUND RODS. (RED) 12/30/42 MI-17065 P-255372 JUN. 44 SUB 0	CRY-66AEC	ATH	ANTENNA ASSEMBLY: 1/2 WAVELENGTH LONG. INTEGRAL 1/4 WAVELENGTH MATCHING SECTION AND GROUND PLANE. SAME AS -66ACV EXCEPT GROUND PLANE INSTEAD OF GROUND RODS. INCLUDES 1/4 WAVELENGTH REFLECTOR. (BLUE) 12/30/42 JUN. 44
CRP-66ADO	CXCH. SO.SO-a	ANTENNA ASSEMBLY: INSTALLS IN -66ADN OR -66AFK ANTENNA ASSEMBLY. 11/11/42 WX-5280 M-3A11-U147 JUN. 44 SUB A	CRY-66ADY	ARE	ANTENNA ASSEMBLY: 1/2 WAVE LONG. INTEGRAL 1/4 WAVE CONCENTRIC MATCHING SECTION AND GROUND PLANE. SAME AS -66ACO EXCEPT GROUND PLANE INSTEAD OF GROUND RODS. (RED) 12/30/42 MI-17065 P-255372 JUN. 44 SUB 0	CRY-66AED	ATJ	ANTENNA ASSEMBLY: CHANNEL 1. 1/4 WAVELENGTH ANTENNA. 1/4 WAVELENGTH REFLECTOR. TWO 1/4 WAVELENGTH GROUND RODS. ALL CONNECTED TO A CONCENTRIC MATCHING SECTION. (YELLOW AND WHITE) 1/3/43 T-256151-G520 DEC. 44 SUB. 15
CRY-66ADP	MK 11	ANTENNA: (HALF WAVE DIPOLE MOUNTED IN A PLASTIC BALL). ATTACHES TO COAXIAL TRANSMISSION LINE BY USING FITTINGS SIMILAR TO PIPE FITTINGS. 11/26/42 JUN. 44	CRY-66ADW	ARF	ANTENNA ASSEMBLY: 1/2 WAVE LONG. INTEGRAL 1/4 WAVE CONCENTRIC MATCHING SECTION AND GROUND PLANE. SAME AS -66ACP EXCEPT GROUND PLANE INSTEAD OF GROUND RODS. (YELLOW) 12/30/42 MI-17065A P-255372 JUN. 44 SUB 0	CRY-66AEE	ATJ	ANTENNA ASSEMBLY: CHANNEL 2. 1/4 WAVELENGTH ANTENNA. 1/4 WAVELENGTH REFLECTOR. TWO 1/4 WAVELENGTH GROUND RODS. ALL CONNECTED TO A CONCENTRIC MATCHING SECTION. 1/3/43 T-256151-G521 DEC. 44 SUB. 15
CMD-66ADQ	ARD-1	ANTENNA AND DETECTOR: INPUT: 6.3 VOLTS. 0.75 AMPS AC OR DC. PISTON TUNED. SLOTTED LINE TUNER ANTENNA LENGTH IS ADJUSTABLE. FREQUENCY IS READ FROM A CENTIMETER SCALE ENGRAVED IN THE UNIT AND A CALIBRATION CHART. PRODUCTION UNIT OF RA-66ACJ. 12/2/42 FAI-MJ4 WJ4 JUN. 44 REV 0	CRY-66ADX	ARG	ANTENNA ASSEMBLY: 1/2 WAVE LONG. INTEGRAL 1/4 WAVELENGTH CONCENTRIC MATCHING SECTION AND GROUND PLANE. SAME AS -66ACQ EXCEPT GROUND PLANE INSTEAD OF GROUND RODS. (GREEN) 12/30/42 MI-17065B P-255372 JUN. 44 SUB 0	CRY-66AEF	ATJ	ANTENNA ASSEMBLY: CHANNEL 3. 1/4 WAVELENGTH ANTENNA. 1/4 WAVELENGTH REFLECTOR. TWO 1/4 WAVELENGTH GROUND RODS. ALL CONNECTED TO A CONCENTRIC MATCHING SECTION. 1/3/43 T-256151-G522 DEC. 44 SUB 15

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NAVSHIPS 900,109

5.66-6

Class 66—Antennas—Antenna Assemblies

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
CRV-66AEG ATJ ANTENNA ASSEMBLY: CHANNEL 4. 1/4 WAVELENGTH ANTENNA. 1/4 WAVELENGTH REFLECTOR. TWO 1/4 WAVELENGTH GROUND RODS. ALL CONNECTED TO A CONCENTRIC MATCHING SECTION.	1/3/43 DEC. 44	T-256151-G523 SUB 15	CPR-66AED ABF.ABF-1 ANTENNA ASSEMBLY: APPROXIMATELY 1/4 WAVELENGTH ANTENNA FOR FREQUENCY RANGE OF EQUIPT. SAME AS NAF TYPE "ZB" EXCEPT SHORTER (14" INSTEAD OF 18") SOLID RYAL CROSS-SECTION.	1/11/43 JUN. 44		CG-66AET-1 SC-4 ANTENNA ASSEMBLY SAME AS -66AET EXCEPT FOR SUBSTITUTION OF 5G FOR 7G SYNCHRO.	6/26/44 OCT. 44	ML-7351481G1 P-7765337 REV 0
CRV-66AEH ATJ ANTENNA ASSEMBLY: CHANNEL 5. 1/4 WAVELENGTH ANTENNA. 1/4 WAVELENGTH REFLECTOR. TWO 1/4 WAVELENGTH GROUND RODS. ALL CONNECTED TO A CONCENTRIC MATCHING SECTION.	1/3/43 JUN. 44		CW-66AEP SL ANTENNA ASSEMBLY:	1/12/43 JUN. 44	D-150606 ESXX-694068 ISS. 3	CG-66AEU SC-3 ANTENNA ASSEMBLY: SIMILAR TO TYPE -66ACE EXCEPT TO HAVE A 7G SYNCR0 INSTEAD OF A 6G AND MOUNTED ON A FABRICATED STEEL PEDESTAL INSTEAD OF A CAST ALUMINUM STRUCTURE. (BLUE)	1/21/43 JUN. 44	ML-7351482G1 P-7765337 REV 0
- 66AEI UNASSIGNED			CW-66AEP-1 SL-a.SL-1 ANTENNA ASSEMBLY: SAME AS -66AEP EXCEPT 5 OG SYNCHRO HAS BEEN ADDED. (FIELD CHANGE NO. 25)	12/8/43 APR. 45	D-151888 ESXX-694068 ISS 6	CG-66AEU-1 SC-4 ANTENNA ASSEMBLY SAME AS -66AEU EXCEPT FOR SUBSTITUTION OF 5G FOR 7G SYNCHRO.	6/26/44 OCT. 44	ML-7351482G1 P-7765337 REV 0
CRV-66AEJ ATK ANTENNA ASSEMBLY: CHANNEL 1. 1/4 WAVELENGTH ANTENNA. 1/4 WAVELENGTH REFLECTOR. TWO 1/4 WAVELENGTH GROUND RODS. ALL CONNECTED TO A CONCENTRIC MATCHING SECTION. FOR CHANNEL #6 OF ATK (CHANNEL #1 OF UPPER BAND). (YELLOW AND WHITE)	1/3/42 DEC. 44	MI-17103-6 T-256189-G506 CFN)MI-1703B-6 SUB 3	CW-66AEP-2 SL-a. SL-1 ANTENNA ASSEMBLY SAME AS -66AEP-1 EXCEPT INTERNAL IMPROVEMENT SUCH AS CHANGES IN BUSHINGS AND GEARING. LUBRICATION IMPROVEMENTS. ADDITION OF CANVAS COVER TO BOTTOM OF PEDESTAL, ETC. (FIELD CHANGES 25 PLUS 46)	7/10/44 APR. 45	D-151888	CPR-66AEV ASG-3 ANTENNA ASSEMBLY: (ANTENNA WAVELENGTH:) MOUNTS BY MEANS OF FIVE BOLTS TO BASE IN PLANE OR TO TYPE CPR-10ABE MOUNTING BASE. OR TO TYPES -43ABB OR -43ABP TRANSMITTER-CONVERTER-ANTENNA ASSEMBLIES. 50 OHM IMPEDANCE. IDENTICAL TO -66ACZ EXCEPT DISH DIAMETER	1/23/43 JUN. 44	
CRV-66AEK ATK ANTENNA ASSEMBLY: CHANNEL 2. 1/4 WAVELENGTH ANTENNA. 1/4 WAVELENGTH REFLECTOR. TWO 1/4 WAVELENGTH GROUND RODS. ALL CONNECTED TO A CONCENTRIC MATCHING SECTION. FOR CHANNEL #7 OF ATK (CHANNEL #2 OF UPPER BAND).	1/3/42 DEC. 44	MI-17103-7 T-256189-G507 CFN)MI-17103B-7 SUB 3	CG-66AEQ SN-1 ANTENNA ASSEMBLY:	1/18/43 JUN. 44		IS SLIGHTLY SMALLER.		CPR-66AEV
CRV-66AEL ATK ANTENNA ASSEMBLY: CHANNEL 3. 1/4 WAVELENGTH ANTENNA. 1/4 WAVELENGTH REFLECTOR. TWO 1/4 WAVELENGTH GROUND RODS. ALL CONNECTED TO A CONCENTRIC MATCHING SECTION. FOR CHANNEL #8 OF ATK (CHANNEL #3 OF UPPER BAND).	1/3/42 DEC. 44	MI-17103-8 T-256189-G508 CFN)MI-17103B-8 SUB 3	CG-66AER SC-3 ANTENNA ASSEMBLY: SIMILAR TO TYPE -66ACE EXCEPT TO HAVE A 7G SYNCR0 INSTEAD OF 6G AND MOUNTED ON A FABRICATED STEEL PEDESTAL INSTEAD OF A CAST ALUMINUM STRUCTURE. (RED)	1/21/43 JUN. 44	ML-7351480G1 P-7765337 REV 0	CNM-66AEM SA-2 ANTENNA ASSEMBLY:	1/25/43 JUN. 44	MI-18002A T-621106 SUB 0
CRV-66AEM ATK ANTENNA ASSEMBLY: CHANNEL 4. 1/4 WAVELENGTH ANTENNA. 1/4 WAVELENGTH REFLECTOR. TWO 1/4 WAVELENGTH GROUND RODS. ALL CONNECTED TO A CONCENTRIC MATCHING SECTION. FOR CHANNEL #9 OF ATK (CHANNEL #4 OF UPPER BAND).	1/3/42 DEC. 44	MI-17103-9 T-256189-G509 CFN)MI-17103B-9 SUB 3	CG-66AES SC-3 ANTENNA ASSEMBLY: SIMILAR TO TYPE -66ACC EXCEPT TO HAVE A 7G SYNCR0 INSTEAD OF 6G AND MOUNTED ON A FABRICATED STEEL PEDESTAL INSTEAD OF A CAST ALUMINUM STRUCTURE. (GREEN)	1/21/43 JUN. 44	ML-7351480G2 P-7765337 REV 0	CBM-66AEX SF-2 ANTENNA ASSEMBLY:	1/28/43 JUN. 44	922A SK-5360 ALT 2
CRV-66AEN ATK ANTENNA ASSEMBLY: CHANNEL 5. 1/4 WAVELENGTH ANTENNA. 1/4 WAVELENGTH REFLECTOR. TWO 1/4 WAVELENGTH GROUND RODS. ALL CONNECTED TO A CONCENTRIC MATCHING SECTION. FOR CHANNEL #10 OF ATK (CHANNEL #5 OF UPPER BAND).	1/3/42 DEC. 44	MI-17103-10 T-256189-G510 CFN)MI-17103B-10 SUB 3	CG-66AET SC-3 ANTENNA ASSEMBLY: SIMILAR TO TYPE -66ACO EXCEPT TO HAVE A 7G SYNCR0 INSTEAD OF A 6G AND MOUNTED ON A FABRICATED STEEL PEDESTAL INSTEAD OF A CAST ALUMINUM STRUCTURE. (YELLOW)	1/21/43 JUN. 44	ML-7351481G1 P-7765337 REV 0	CMD-66AET YJ ANTENNA ASSEMBLY: HORIZONTALLY POLARIZED AND OMNIDIRECTIONAL AT BOTH FREQUENCIES OF OPERATION. FOR USE WITH 50 OHM CONCENTRIC LINE. INCLUDES MAST APPROXIMATELY 20 FEET HIGH FOR SUPPORTING ANTENNA. ENTIRE ASSEMBLY ROUGHLY SIMILAR TO -66ADG.	2/7/43 JUN. 44	

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
CMD-66AEY-1	YJ-1		CRY-66AFE	SD-4		CTZ-66AFJ		
<p>ANTENNA ASSEMBLY: HORIZONTALLY POLARIZED AND OMNIDIRECTIONAL AT BOTH FREQUENCIES OF OPERATIONS. FOR USE WITH 50 OHM CONCENTRIC LINE. INCLUDES MAST APPROX. 20 FT. HIGH FOR SUPPORTING ANTENNA. SAME AS CMD-66AEY EXCEPT FOR SLIGHT DESIGN CHANGES - INTERCHANGEABLE 9/15/43 JUN. 44</p>			<p>ANTENNA ASSEMBLY: HORIZONTAL "U" TYPE. RADIATES CIRCULAR FIELD IN THE HORIZONTAL PLANE AND A DDME-LIKE FIELD OVERHEAD. ONE SET OF RADIATING WHIPS USED. FREQUENCY VARIED BY TUNING CAPACITOR ON ANTENNA. TUNING CHART IS PLACED INSIDE DOOR OF TRANSMIT- 2/17/42 M-440301-1 JUN. 44 SUB 0</p>			<p>HAS BEEN INCREASED IN SIZE AND PLACED BELOW THE MOUNTING HUB TO IMPROVE THE IMPEDANCE CHARACTERISTIC.</p>		
		CMD-66AEY-1			CRY-66AFE			
<p>WITH CMD-66AEY AS A UNIT BUT COMPONENTS NOT INTERCHANGEABLE.</p>			<p>TER. SIMILAR TO -66AAR AND -66AAR-1 EXCEPT IS SMALLER. USES ONLY ONE SET OF RADIATING WHIPS AND USES TUNING CAPACITOR</p>			<p>CRP-66AFK SO ANTENNA ASSEMBLY: ELECTRICALLY INTERCHANGEABLE WITH CRP-66ADN, BUT USES DIFFERENT TRIPOD AND HAS SOME MECHANICAL CHANGES.</p>		
						5/12/43	WX-4876	M-3A-L458
						JUN. 44		SUB A
CG-66AEZ	SM		CW-66AFF	NK 12		CRP-66AFL	SO-1	
<p>ANTENNA ASSEMBLY:</p>			<p>ANTENNA ASSEMBLY:</p>			<p>ANTENNA ASSEMBLY: THIS UNIT CONSISTS OF A PEDESTAL CONTAINING A DRIVE MOTOR, GEARING AND SYNCHRO FOR REPORTING POSITION SURMOUNTED BY ROTATABLE ANTENNA AND REFLECTOR. ALSO INCLUDES AN ADDITIONAL ANTENNA FOR USE WITH RESONANCE CHAMBER. PEDESTAL IS 5/28/43 WX-4761 M-12A1-VIII JUN. 44 SUB 0</p>		
2/8/43	ML-7351458G1	P-7765427	3/31/43	D-150901	BX-11279			
JUN. 44		REV 0	JUN. 44		ISS. 1			
								CRP-66AFL
CG-66AEZ-1	SM		CC			WATERTIGHT.		
<p>ANTENNA ASSEMBLY: SAME AS NAVY TYPE -66AEZ EXCEPT USES NAVY TYPE -66AHA ANTENNA REFLECTOR.</p>			<p>CANX-66AFG SQ ANTENNA ASSEMBLY: CONSISTS OF A PARABOLIC REFLECTOR AND ITS ASSOCIATED MOUNTING.</p>					
1/8/44			4/29/43		M-19J780			
JUN. 44			JUN. 44		REV 1			
CW-66AFA	NK 16		CMD-66AFH	ARD-1 OR ARD-2		CRP-66AFM	NXsr-39226	
<p>ANTENNA ASSEMBLY:</p>			<p>ANTENNA AND DETECTOR: CONSISTS OF ANTENNA ADJUSTABLE TO 3 LENGTHS, A DIODE DETECTOR AND A TUNING STUB. TUNING IS ACCOMPLISHED BY SLIDING THE SHORTING BAR ALONG THE STUB. TUNING RANGE IS 75 TO 3000 MC. SENSITIVITY MEASURED AT DIODE PLATE IS BETWEEN 46 5/4/43 FA-1-WJ7 ID 701 JUN. 44</p>			<p>ANTENNA ASSEMBLY: CONSISTS OF AN SO-8 CRP-66AGD ANTENNA ASSEMBLY WHICH HAS BEEN MODIFIED BY THE ADDITION OF A STEP MOTOR DIFFERENTIAL ASSEMBLY. THIS ASSEMBLY TO BE PROVIDED BY VIRTUE OF A STEP MOTOR MODIFICATION KIT. 7/13/44 RX-1197 M-23A-UI JUN. 44 SUB A</p>		
2/11/43	D-150874							
JUN. 44								
CW-66AFB	NK 16				CMD-66AFH	CRP-66AFM	SO-2	
<p>TEST ANTENNA ASSEMBLY:</p>			<p>AND 42 db BELOW ONE VOLT. SUPPLY: 6V AC OR DC AT 0.75 AMPS.</p>			<p>ANTENNA ASSEMBLY: CONSISTS OF ROTATABLE ANTENNA, REFLECTOR, DRIVE MOTOR, SYNCHRO FOR REPORTING POSITION, AND A MICRO-SWITCH TO LOCK SYNCHRO IN CORRECT POSITION. COVERED BY TURRET AND HAS PROVISION FOR MOUNTING PHANTOM TARGET PICKUP WITHIN. SUPPLY: 7/2/43 WX-5322 M-11A1-U97 JUN. 44 SUB 8</p>		
2/11/43	D-151332	ES-679925						
JUN. 44								
CW-66AFC	SJ-1				-66AFI	CRP-66AFM		
<p>ANTENNA ASSEMBLY: SIMILAR TO -66ADH EXCEPT FOR LOWER END FEEDER UNIT AND LOBE SWITCH.</p>			<p>UNASSIGNED</p>			<p>24V DC.</p>		
2/17/43	D-151384	BXX-12199						
JUN. 44		ISS. 1						
CW-66AFD	SJ-B		CTZ-66AFJ	SEE BELOW		CKX-66AFO	SG-2S	
<p>ANTENNA ASSEMBLY: SIMILAR TO -66AAP EXCEPT FOR LOWER END FEEDER UNIT AND LOBE SWITCH.</p>			<p>ANTENNA ASSEMBLY: VERTICALLY POLARIZED, OMNIDIRECTIONAL. 1/4 WAVE, WITH GROUND PLANE. COVERING THE "A" BAND; DESIGNED TO OPERATE FROM 50 OHM PT-5 CABLE. SIMILAR TO CTZ-66ACG ANTENNA ASSEMBLY EXCEPT THE GROUND PLANE *NXSS-23137, NOM-3433-BL SERIES. 5/8/43 (CHZ)HA-1167-1 (CHZ)HA-1167-1 9/13/43 JUN. 44</p>			<p>ANTENNA TOWER: 100 FT. ANTENNA TOWER.</p>		
2/17/43		BA-29206				7/2/43		(CRP)A-29A9-W36
JUN. 44						JUN. 44		SUB A

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-66AFP SM-1		RE13A708	CAGQ-66AFU-1 MXST-53309			CRV-66AGB ATJ.ATK		
<p>ANTENNA ASSEMBLY: LIGHT WEIGHT. CONSISTS OF PARABOLA, IFF DIPOLE STRUCTURE, COAXIAL LINES, THREE AXIS PEDESTAL. USED TO POSITION THE PARABOLA MECHANICALLY BY REMOTE CONTROL, WEATHER PROOF, FOR OPERATION IN -50°C TO + 50°C AMBIENT. 7/3/43 DL-8026998 MW-8608195 JUN. 44 REV 0</p>			<p>ANTENNA ASSEMBLY INVERTED "T" WITH A QUARTER WAVE RADIATOR AND A HALF WAVE COUNTERPOISE. CONNECTS TO A CASSF-50-1 CABLE. INTERCHANGEABLE WITH -66AFU, BUT CONSTRUCTED OF DIFFERENT MATERIAL AND BUILT MORE RUGGEDLY. 8/14/44 (CHZ)MA-3314 OCT. 44</p>			<p>ANTENNA ASSEMBLY: FOR CHANNEL #5 FOR USE IN ATJ OR ATK. ELECTRICALLY SAME AS -66AEH BUT ELLIPTICAL TUBING IS USED FOR GROUND RODS AND RADIATOR, AND HAS A TRANSMISSION LINE CONNECTOR. 8/23/43 MI-17103-5 T-256189-G505 DEC.44 (CFN)MI-17103B-5 SUB 3</p>		
CG-66AFQ SM-1			CRY-66AFY *SEE BELOW			CRP-66AGC SG-29		
<p>ANTENNA ASSEMBLY: SAME AS CG-66AEZ EXCEPT INTERNAL HEATER DE-ICING CIRCUITS ARE WIRED FOR 230V DC INSTEAD OF 440/3/60. 7/15/43 ML-7351458G1 P-7765427 JUN. 44 REV 1</p>			<p>ANTENNA ASSEMBLY: CONSISTS OF A 36 INCH PARABOLOID REFLECTOR AND DIPOLE ANTENNA AND REFLECTING DISC. THE DIPOLE ANTENNA IS AT THE END OF A STUB SUPPORTED COAXIAL TRANSMISSION LINE. *MK 26, MODS 1 AND 2 8/16/43 MI-18086 T-621388 JUN. 44 SUB 1</p>			<p>ANTENNA ASSEMBLY: CONSISTS OF A ROTATABLE PARABOLIC REFLECTOR MOUNTED ON A PEDESTAL CONTAINING A 5 CT SYNCHRO AND A GE TYPE 58C44AB1643 DRIVE MOTOR. 8/26/43 MX-4772 M-32A-VI JUN. 44 SUB A</p>		
CG-66AFQ-1 SM-1			CRY-66AFW ARJ.1/2 OF ARK			CRP-66AGD SO-8		
<p>ANTENNA ASSEMBLY: SAME AS NAVY TYPE -66AFQ EXCEPT USES NAVY TYPE -66AMA ANTENNA REFLECTOR. 1/8/44 JUN. 44</p>			<p>ANTENNA ASSEMBLY: COVERS THE FIRST FIVE CHANNELS FOR THE ARK RECEIVER AND CAN BE USED WITH THE ARJ RECEIVER, ELECTRICALLY THE SAME AS -66ADT, BUT MECHANICALLY DIFFERENT BECAUSE (1) ELLIPTICAL TUBING IS USED FOR GROUND ROD AND RADIATOR AND (2) HAS A 8/23/43 MI-17100 P-255340-G501 DEC. 44 (CFN)MI-17100D SUB 3</p>			<p>ANTENNA ASSEMBLY: CONSISTS OF A ROTATABLE ANTENNA REFLECTOR DRIVE MOTOR, SYNCHRO FOR REPORTING POSITION AND A MICRO-SWITCH TO LOCK SYNCHRO IN CORRECT POSITION. COVERED BY TURRET AND HAS PROVISION FOR MOUNTING PHANTOM TARGET PICKUP WITHIN. SAME AS CRP-66AFW 9/4/43 MX-5408 M-23A-MI JUN. 44 SUB A</p>		
CG-66AFR SK-2			CRY-66AFW			CRP-66AGD		
<p>ANTENNA ASSEMBLY: WELDED TUBULAR CONSTRUCTION 17 FT. DIAMETER. PARABOLOIDAL IN SHAPE WITH SPECIAL PROVISION FOR WIDE RANGE OPERATION. HAS 7G SYNCHRO IN PEDESTAL, OPERATING FROM 0 TO ±250 VOLTS DC. PEDESTAL SAME AS ON CG-66ABH. 7/26/43 ML-7351946G1 JUN. 44</p>			<p>TRANSMISSION LINE CONNECTOR.</p>			<p>EXCEPT MOTOR OPERATES FROM 115V DC.</p>		
CG-66AFS *SEE BELOW			CRY-66AFX ATJ.ATK			CRP		
<p>ANTENNA ASSEMBLY: OPERATES AT 2400 RPM FROM 13 VOLTS DC AT 6 AMP. *RADIO RECEIVER, BK 1 MOD 8/5/43 PELICAN SPINNER JUN. 44</p>			<p>ANTENNA ASSEMBLY: FOR CHANNEL #1 FOR USE IN ATJ OR ATK. ELECTRICALLY SAME AS -66AED BUT ELLIPTICAL TUBING IS USED FOR GROUND ROD AND RADIATOR, AND HAS A TRANSMISSION LINE CONNECTOR. 8/23/43 MI-17103-1 T-256189-G501 DEC. 44 (CFN)MI-17103B-1 SUB 3</p>			<p>CASL-66AGE SO-2 OR SO-1 ANTENNA ASSEMBLY: CONSISTS OF PEDESTAL CONTAINING A DRIVE MOTOR, GEARING, AND SYNCHRO FOR REPORTING POSITION, SURMOUNTED BY A ROTATABLE ANTENNA AND REFLECTOR. ALSO INCLUDES AN ADDITIONAL ANTENNA FOR USE WITH RE-9/4/43 MX-4763 M-14A1-V152 JUN. 44 SUB A</p>		
CRM-66AFT SF-1			CRY-66AFY ATJ.ATK			CRP		
<p>ANTENNA ASSEMBLY: INPUT: 115/1/400, 10.0 WATTS 0.092 AMPS AND 115V DC AT 0.43 AMPS AND 50 WATTS. SIMILAR TO -66AEX EXCEPT BASEPLATE AND TERMINAL ALTERED. ADDITIONAL SELSYN LEADS, AND TYPE 5G SELSYN ADDED TO FURNISH BEARING FOR REMOTE PPI. 8/5/43 9228 SK-5360 JUN. 44 ALT 3</p>			<p>ANTENNA ASSEMBLY: FOR CHANNEL #2 FOR USE IN ATJ OR ATK. ELECTRICALLY SAME AS -66AEE BUT ELLIPTICAL TUBING IS USED FOR GROUND RODS AND RADIATOR, AND HAS A TRANSMISSION LINE CONNECTOR. 8/23/43 MI-17103-2 T-256189-G502 DEC. 44 (CFN)MI-17103B-2 SUB 3</p>			<p>CASI-66AGE SONANCE CHAMBER. PEDESTAL IS WATERTIGHT. SIMILAR TO TYPE -66AFL EXCEPT FOR RE-DESIGNS IN GEARING WITH RESULTING DECREASE IN WEIGHT. DRIVE MOTOR RATED 1/8 HP, 115V DC, 1725 RPM.</p>		
CBM-66AFT-1 SF-1			CRY-66AFZ ATJ.ATK			CANX-66AGF SO-3		
<p>ANTENNA ASSEMBLY: INPUT: 115/1/400, 10.0 WATTS 0.092 AMPS AND 115 VOLTS DC AT 0.43 AMPS AND 50 WATTS. SAME AS -66AFT EXCEPT ECHO BOX MOTOR CHANGED FROM SERIES TO SHUNT WOUND MOTOR. 1/13/44 JUN. 44</p>			<p>ANTENNA ASSEMBLY: FOR CHANNEL #3 FOR USE IN ATJ OR ATK. ELECTRICALLY SAME AS -66AEF BUT ELLIPTICAL TUBING IS USED FOR GROUND RODS AND RADIATOR, AND HAS A TRANSMISSION LINE CONNECTOR. 8/23/43 MI-17103-3 T-256189-G503 DEC. 44 (CFN)MI-17103B-3 SUB 3</p>			<p>CONSISTS OF AN EXPOSED 24 X 8 COT PARABOLIC REFLECTOR DRIVE MOTOR FOR ROTATING, AND A SYNCHRO. INCLUDES A TORQUE MOTOR. 9/11/43 MX-4819 M-5A2-W2 JUN. 44 SUB B</p>		
CAGQ-66AFU SM.ABK'S*		RE13A423	CRY-66AGA ATJ.ATK			CRP-66AGG SO-7M		
<p>ANTENNA ASSEMBLY: INVERTED T WITH 1/4 WAVELENGTH RADIATOR AND 1/2 WAVELENGTH COUNTER POISE. CONNECTS TO A CASSF-50-1 CABLE. *(H189-32188) 8/13/43 (CHZDMGA-2607) JUN. 44</p>			<p>ANTENNA ASSEMBLY: FOR CHANNEL #4 FOR USE IN ATJ OR ATK. ELECTRICALLY SAME AS -66AEG BUT ELLIPTICAL TUBING IS USED FOR GROUND RODS AND RADIATOR, AND HAS A TRANSMISSION LINE CONNECTOR. 8/23/43 MI-17103-4 T-256189-G504 DEC. 44 (CFN)MI-17103B-4 SUB 3</p>			<p>ANTENNA ASSEMBLY: CONSISTS OF AN EXPOSED PARABOLIC REFLECTOR, DRIVE MOTOR FOR ROTATING ANTENNA AND REFLECTOR AND A SYNCHRO. R.F. ENTRANCE IN BASE PROVIDED WITH FACILITIES TO PERMIT OF THREE POSITIONS 90° APART. 9/21/43 MX-5404 M-22A-M27 JUN. 44 SUB A</p>		

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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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
CTZ- 66AGH *SEE BELOW			CRP- 66AGO SO-8			CG- 66AGY SP-1M		
ANTENNA ASSEMBLY: VERTICALLY POLARIZED. OMNI-DIRECTIONAL. 1/4 WAVE, WITH GROUND PLANE. DESIGNED TO OPERATE FROM 50 OHM PT-5 CABLE. SAME AS CTZ-66AFJ EXCEPT DIPOLE LENGTH IS IN- CREASED FROM 10 1/16" TO 13 5/8". *HX99-30038 ACCESSORY FOR 82. 9/24/43 (CHZ)MA-1167-2 (CHZ)MA-1167-2 JUN. 44 9/13/43			ANTENNA ASSEMBLY: CONSISTS OF A ROTATABLE ANTENNA REFLECTOR DRIVE MOTOR TORQUE MOTOR SYNCHRO FOR REPORTING POSITION AND A MICRO-SWITCH TO LOCK SYNCHRO IN CORRECT POSITION. COV- ERED BY TURRET AND HAS PROVISION FOR MOUNTING PHANTOM TARGET PICKUP WITHIN. 12/7/43 RX-1071 M-23A-U1 JUN. 44 SUB A			ANTENNA ASSEMBLY: A TWO AXIS SYSTEM WITH AN 8 FT. FORAMIN- ATED PARABOLIC REFLECTOR CONSTANT POLAR- ITY LOBE SWITCHING ANTENNA INCORPORATING SPECIAL IFF DIPOLE FEED ARRANGEMENT. HAS 1/2 HP TRAIN MOTOR AND 1/2 HF ELEVATOR MOTOR. USINC 250V DC SUPPLY WITH A 12/30/43 DL-8233116-G1 WM-8677500 DEC. 44 REV 1		
- 66AGJ			CRP- 66AGO			CG- 66AGY		
UNASSIGNED			SAME AS -66AGO EXCEPT THAT TORQUE MOTOR HAS BEEN ADDED FOR TRUE BEARING.			SEPARATELY EXCITED FIELD.		
JUN. 44								
CTZ- 66AGJ *SEE BELOW			CRP- 66AGP SO-11			CG- 66AGW SK-1M		
ANTENNA ASSEMBLY: VERTICALLY POLARIZED. OMNI-DIRECTIONAL 1/4 WAVE, WITH GROUND PLANE. DESIGNED TO OPERATE FROM 50 OHM PT-5 CABLE. SAME AS CTZ-66AFJ EXCEPT DIPOLE LENGTH IS IN- CREASED FROM 10 1/16" TO 20 1/2". *HX99-30038 ACCESSORY FOR 80 9/24/43 (CHZ)MA-1167-3 (CHZ)MA-1167-3 JUN. 44 9/13/43			ANTENNA ASSEMBLY: CANCELLED			ANTENNA ASSEMBLY: MODIFIED PARABOLOID FORM. TUBULAR WELDED STEEL CONSTRUCTION. INCLUDES 5G SYNCHRO. DESIGNED TO COVER "BLUE" FREQUENCY BAND MOUNTS ON WELDED STEEL PEDESTAL. SAME AS -66AGX EXCEPT FOR FREQUENCY.		
CH- 66AGK MK 27			CRP- 66AGQ SO-1a			CG- 66AGX SK-1M		
ANTENNA ASSEMBLY: SAME AS -66AFK EXCEPT REFLECTOR SUPPORT IS A SEPARATE CASTING AND THE FEEDER UNIT IS EQUIPPED WITH 15 SLIP RINGS.			ANTENNA ASSEMBLY: SAME AS CRP-66AFL EXCEPT TORQUE MOTOR Ø HAS BEEN ADDED FOR TRUE BEARING.			ANTENNA ASSEMBLY MODIFIED PARABOLOID FORM. TUBULAR WELDED STEEL CONSTRUCTION. INCLUDES 5G SYNCHRO. DESIGNED TO COVER "YELLOW" FREQUENCY BAND. MOUNTS ON WELDED STEEL PEDESTAL. SAME AS -66AGW EXCEPT FOR FREQUENCY.		
9/25/43 D-151808 BXX-15102 JUN. 44 ISS. 3			12/7/43 RX-1022 M34A-X2 APR. 45 SUB A			1/2/44 ML-7351965-G1 JUN. 44 ML-7662976-G1		
CQJ- 66AGL BR-BR-1			CRP- 66AGR SO-13			CBM- 66AGY SU-SU-1		
ANTENNA ASSEMBLY: HORIZONTAL "U" TYPE. OPERATES FROM A 50 OHM COAXIAL LINE. ASSEMBLY INCLUDES A STANDARD 1 INCH "Y" PIPE FITTING TO FACILITATE MOUNTING.			ANTENNA ASSEMBLY: SAME AS CRP-66AFM EXCEPT TORQUE MOTOR HAS BEEN ADDED FOR TRUE BEARING.			ANTENNA ASSEMBLY: CONSISTS OF A DIPOLE ANTENNA. 24" PAR- ABOLIC REFLECTOR AND GYROSCOPE STABILIZ- ED TO LINE OF SIGHT. INCLUDES ROTATING MECHANISM AND SERVO MECHANISM. INCLUDES SERVO FOR INDICATING TILT ANGLE. ECHO BOX. ECHO BOX MOTOR. INCLUDES THERMOST- 1/6/44 974 SK-6012 JUN. 44 ALT 0		
9/28/43 2495 DEC. 44			12/7/43 RX-1064 M-3A-L472 JUN. 44 SUB A			1/2/44 ML-7351965G2 T-7662873 DEC. 44 ML-7662976G1		
CH- 66AGN MK 20			CRP- 66AGS SO-4			CBM 66AGY -1 SU		
ANTENNA ASSEMBLY: SUPPLY: 115/1/60 FOR SYNCHRO UNIT AND 27V DC FOR LOBE SWITCHER MOTOR. CONSISTS CHIEFLY OF EIGHT COAXIAL FED ANTENNA RA- DIATORS OR DIPOLES. A MAIN REFLECTOR FOR DIRECTING THE BEAM, AN AUXILIARY REFLEC- TOR WITH FOUR SETS OF DIPOLES TENDING TO 11/2/43 X-66189-B ESL-662703 JUN. 44 ISS. 1			ANTENNA ASSEMBLY: CONSISTS OF A MOUNTING BASE FOR EITHER 14" OR 18" MASTHEAD MOUNTING; WATERPROOF HOUSING; CONTAINS 115V DC DRIVE MOTOR AND GEAR ASSEMBLY FOR ROTATING REFLECTOR AT A RATE OF 5 RPM. SLATED REFLECTOR IS 4.4" X 48" WITH EXPOSED FEED. 8/1/44 RX-1305 M-9A-X9 SUB A DEC. 44			ANTENNA ASSEMBLY CONSISTS OF A DIPOLE ANTENNA. 24" PARA- BOLIC REFLECTOR AND GYROSCOPE STABILIZ- ED TO LINE OF SIGHT. INCLUDES ROTAT- ING MECHANISM AND SERVO MECHANISM. INCLUDES SERVO FOR INDICATING TILT ANGLE ECHO BOX. ECHO BOX MOTOR. INCLUDES 4/13/44 CBM:974A SK-6206 JULY 44 ALT 0		
CH- 66AGN			CH- 66AGT MK 22			CBM 66AGY -1 SU		
NEUTRALIZE UNWANTED LOBES. A LOBE SWITCHER OR MECHANICAL ROTATING SWITCH FOR VARYING THE PHASE OF THE VOLTAGES AMONG THE DIPOLES THUS SHIFTING THE DI- RECTION OF THE BEAM. AND A SQUARE WAVE GENERATOR FOR GENERATING TIMING IMPULSES. THE LOBE SWITCHER AND SQUARE WAVE GENER- ATOR ARE ROTATED BY A 27 VOLT 3600 B.P.M. D.C. MOTOR.			ANTENNA ASSEMBLY: CONSISTS OF A 3 SECTION PARABOLIC REFLEC- TOR AND WAVEGUIDE FEED LINE AND HORN.			ANTENNA ASSEMBLY CONSISTS OF A DIPOLE ANTENNA. 24" PARA- BOLIC REFLECTOR AND GYROSCOPE STABILIZ- ED TO LINE OF SIGHT. INCLUDES ROTAT- ING MECHANISM AND SERVO MECHANISM. INCLUDES SERVO FOR INDICATING TILT ANGLE ECHO BOX. ECHO BOX MOTOR. INCLUDES 4/13/44 CBM:974A SK-6206 JULY 44 ALT 0		
11/9/43 MX-5408A M-39A-W1 JUN. 44 SUB A			12/8/43 D-151711 BXX-13738 JUN. 44 ISS. 2			11/9/43 MX-5408A M-39A-W1 JUN. 44 SUB A		
CRP- 66AGN SO-8a			CRP- 66AGU For use on SO			CBM 66AGY -1		
ANTENNA ASSEMBLY: SAME AS CRP-66AGD EXCEPT MODIFIED TO PERMIT MOUNTING ON CRP-10207 TRIPOD.			ANTENNA ASSEMBLY: ANTENNA ASSEMBLY NAVY TYPE -66AFK MODIFI- ED FOR LCC NAVIGATION (FOR BEARING CON- TROL). INCLUDES DIFFERENTIAL GEAR AND STEP MOTOR ASSEMBLY.			THERMOSTATICALLY CONTROLLED HEATER. INPUT 115/1/60. 0.1 AMP. 0.70 PF. 115V AC/DC. 4 AMPS; 24V DC. 5.72 AMPS 115V DC FOR DRIVE MOTOR. 115/3/240. 0.8 AMPS FOR GYRO MOTOR. HAS RADOME COVER. SAME AS -66AGY REDESIGNED TO LOWER CENTER OF GRAVITY AND INCREASE HEIGHT 9".		
11/9/43 MX-5408A M-39A-W1 JUN. 44 SUB A			12/15/43 MX-4876A M-3A-L458 APR. 45 SUB A			11/9/43 MX-5408A M-39A-W1 JUN. 44 SUB A		

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CRP 66AHR 50-9 ANTENNA ASSEMBLY SUPPLY: 32V DC. CONSISTS OF A ROTATABLE ANTENNA, REFLECTOR, DRIVE MOTOR, SYNCHRO FOR REPORTING POSITION AND A MICRO-SWITCH TO LOCK SYNCHRO IN CORRECT POSITION. COVERED BY TURRET AND HAS PROVISION FOR MOUNTING PHANTOM TARGET PICKUP 4/7/44 MX-5413 M-24A-U7 JUN. 44 SUB A			CUO 66AHY 08U-1, 08U-2 RE 13A 8578 ANTENNA ASSEMBLY HALF-WAVE DIPOLE WITH A LENGTH OF RG-8/U CABLE TERMINATED BY NAVY TYPE -49298 JACK. OVERALL LENGTH INCLUDING ANTENNA AND CONNECTOR 5 FT ±3". 4/28/44 CUO-0-287-A DEC. 44			CAKZ-66AJB TDY-1 ANTENNA ASSEMBLY FREQ. RANGE: 615 TO 800 MC. IMPEDANCE IS 50 OHMS. POLARIZATION PARALLELED TO AXIS OF DIPOLE PORTION. SAME AS -66AHM EXCEPT DOES NOT INCLUDE FIVE FEET OF RG-18/U CABLE AND HAS LUCITE WEATHERPROOFING BLISTER ADDED OVER DIPOLE PORTION. 6/20/44 (CG)ML-7352038G1 OCT. 44		
CRP 66AHR WITHIN. SAME AS -66AHM EXCEPT DRIVE MOTOR OPERATES FROM 32 VOLTS DC INSTEAD OF 24 VOLTS DC.			CU-66AHW MK 20 MOD 1 ANTENNA ASSEMBLY INCLUDES DISH TYPE REFLECTOR, CENTER SECTION ASSEMBLY INCLUDING TRANSMISSION LINE, DIPOLE ROTATING MECHANISM, RADIATOR, A SINE WAVE GENERATOR FOR SYNCHRONIZING THE SYSTEM, THE ELEVATION SYNCHRO ASSEMBLY, AND 2 LEGS FOR SUPPORTING THE 5/22/44 X-66189-AB CM-84-417559 DEC. 44 ISS 1			CG-66AJC MARK 33 ANTENNA ASSEMBLY INPUT: 115/1/60. INCLUDES 3' X 7' REFLECTOR; TELESCOPE, HEATER AND THERMOSTAT FOR PREVENTING CONDENSATION, STOPPING MECHANISM AND INTERLOCKS, 250 VOLTS DC PEDESTAL DRIVE MOTOR RATED 1/3 HP, TWO 5G SYNCHROS AT 1 AND 36 SPEED TO 6/28/44 DL8236519G M-8677252 APR. 45 REV 1		
CRP 66ANS 50-1 ANTENNA ASSEMBLY SUPPLY: 115V DC. CONSISTS OF A PEDESTAL CONTAINING DRIVE MOTOR, TORQUE MOTOR, GEARING AND SYNCHRO FOR REPORTING POSITION, SURMOUNTED BY A ROTATABLE ANTENNA REFLECTOR. ALSO INCLUDES ADDITIONAL ANTENNA FOR USE WITH RESONANCE CHAMBER. 4/7/44 RX-1192 M-14A1-V152 JUN. 44 SUB A			CU-66AWW ANTENNA ABOVE THE ANTENNA DRIVE ASSEMBLY. EFFECTIVE DIAMETER OF REFLECTOR IS 76".			CG-66AJC TRANSMIT ANTENNA POSITION TO ANTENNA CONTROL UNIT AND TELEPHONE BINDING POSTS.		
CRP 66ANS PEDESTAL IS WATERTIGHT. SAME AS -66AGE EXCEPT THAT TORQUE MOTOR HAS BEEN ADDED FOR USE WITH BEARING CONTROL UNIT.			CRB 66AHX ANTENNA ASSEMBLY CANCELLED 5/27/44 JUN. 44			CAPC-66AJD 5012M/M ANTENNA ASSEMBLY HOUSING CONTAINS A 1/8 HP MOTOR, 1725 RPM GEAR REDUCED 36 TO 1 TO GIVE THE REFLECTOR A ROTATION OF 6 RPM. USES A STATED REFLECTOR APPROX 42" X 75". MASTHEAD MOUNTING. SAME AS 66AGG EXCEPT WAVE GUIDE POSITION DESIGNED FOR X-BAND 7/11/44 MX-5649 M-36A-W1 DEC. 44 SUB A		
CU-66AHT MK 13 DUMMY ANTENNA (RADAR ANTENNA (DUMMY) MK 7 MOD 0): PROVIDES A WAVEGUIDE SECTION EQUIPPED WITH DISSIPATING UNITS WHICH MAY BE COUPLED TO THE OUTPUT OF THE WAVEGUIDE SWITCHING UNIT TO PERMIT TUNING OF THE TRANSMITTER WITHOUT RADIATION FROM THE ANTENNA. PART OF TYPE 4/11/44 X-66525-A BX-50083 APR. 45 ISSUE 1			CU-66AHY MK 8 MOD 2 ANTENNA ASSEMBLY CONSISTS OF AN ARRAY OF 74 PARALLEL GROUPS OF 3 POLYSTYRENE RADIATORS. ONE GROUP OF 3 RADIATORS FED DIRECTLY FROM THE TRANSMITTER AND 13 ARE FED THROUGH ROTARY PHASE SHIFTERS WHICH ARE PROPERLY AND CONTINUOUSLY PHASED WITH RESPECT TO 5/29/44 D-152251 BX-20439 DEC. 44 ISSUE 2			CG-66AJD OPERATION.		
CU-66ANT -66AHU ANTENNA ASSEMBLY. SAME AS IS-251/AP.			CU-66ARY TO EACH OTHER AND TO THE DIRECTLY FED GROUP OF RADIATORS, RESULTING IN A SCANNING BEAM. SCANS APPROX 30° OF AZIMUTH LINEARLY AT APPROX. 10 SCANS PER SECOND. EQUIPPED WITH CONTACTOR FOR FURNISHING -55AEH AND -55AFG WITH VOLTAGES FOR INITIATION BEARING LINES, BEARING SWEEP PULSES, AND BEARING BLANKING PULSES.			CG-66AJE SC-5 ANTENNA ASSEMBLY SIMILAR TO CG-66AEU EXCEPT A WOUND FIELD ANTENNA DRIVE MOTOR IS USED IN PLACE OF A PERMANENT FIELD MOTOR. INCLUDES A 5G SYNCHRO. 7/25/44 ML-7351482G2 P-7765337 OCT. 44 REV 0		
CU-66AHU MK 13 ANTENNA ASSEMBLY CONSISTS OF AN ELLIPTICAL SECTION OF A PARABOLA OF REVOLUTION MADE OF PERFORATED SHEET ALUMINUM FED BY A WAVEGUIDE HORN AT THE FOCUS. REFLECTOR & WAVEGUIDE FEED ARE MOUNTED ON A FRAMEWORK THROUGH VERTICAL TRUNNIONS PERMITTING THEM TO BE 4/11/44 D-152163 BX-50083 ISS 1 APR. 45			CU-66ARZ MK 8 MOD 2 ANTENNA ASSEMBLY WAVEGUIDE RADIATION SYSTEM. SAME AS CU-66AAS EXCEPT IS REMOVED FOR HIGH SPEED ONLY AND THE UNIPOSITIONAL CLUTCH FOR DRIVING THE SCAN POSITION INDICATOR IS REMOVED. SPEED IS 10 SCANS/SEC. 5/29/44 D-152517 BX-20439 DEC. 44 ISSUE 2			CG-66AJF SC-5 ANTENNA ASSEMBLY SIMILAR TO CG-66AET EXCEPT A WOUND FIELD ANTENNA DRIVE MOTOR IS USED IN PLACE OF A PERMANENT FIELD MOTOR. INCLUDES A 5G SYNCHRO. 7/25/44 ML-7351481G2 P-7765337 OCT. 44 REV 0		
CU-66AHU ROCKED FROM SIDE TO SIDE BY THE ANTENNA SCANNING MOTOR. INCLUDES TYPE -14ABE ECHO BOX AND TYPE -66AHT DUMMY ANTENNA.			CAKZ 66AJA TDY-1 ANTENNA ASSEMBLY FREQ RANGE: 350 TO 615 MC. IMPEDANCE IS 50 OHMS POLARIZATION PARALLELED TO AXIS OF DIPOLE PORTION. SAME AS -66AHM EXCEPT DOES NOT INCLUDE FIVE FEET OF RG-18/U CABLE AND HAS LUCITE WEATHERPROOFING BLISTER ADDED OVER DIPOLE PORTION. 6/20/44 CG:ML-7352037G1 OCT. 44			CABV-66AJG 08U-3 RE13A8578 ANTENNA ASSEMBLY HALF WAVE DIPOLE WITH A LENGTH OF RG-8/U CABLE TERMINATED BY A NAVY TYPE -49268 JACK. 7/28/44 SA-12610 CABV:30524-0 DEC. 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	ASSIGNED ISSUED
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CAKZ 66AJX TDY-1
ANTENNA ASSEMBLY
 FREQUENCY RANGE 260-525 MC. IMPEDANCE 50 OHMS. POLARIZATION PARALLEL TO AXIS OF DIPOLE PORTION. UNIT IS COMPLETE WITH CORNER REFLECTOR TO PRODUCE A 60° BY 60° BEAM. SIMILAR TO TYPE CAKZ-66AJA BUT IS NOT INTERCHANGEABLE WITH IT.
 11/17/44
 FEB. 45

CAKZ 66AJY TDY-1
ANTENNA ASSEMBLY
 FREQUENCY RANGE: 500-800 MC. IMPEDANCE 50 OHMS POLARIZATION PARALLEL TO AXIS OF DIPOLE PORTION. UNIT IS COMPLETE WITH CORNER REFLECTOR TO PRODUCE A 60° BY 60° BEAM. SIMILAR TO TYPE CAKZ-66AJB ANTENNA BUT IS NOT INTERCHANGEABLE WITH IT.
 11/17/44
 FEB. 45

CAKZ 66AJZ

WITH IT.

CAKZ 66AJZ YQ
ANTENNA ASSEMBLY
 VERTICALLY POLARIZED. OMNI-DIRECTIONAL. 1/4 WAVE. WITH GROUND PLANE. COVERS "C" BAND. DESIGNED TO OPERATE FROM 50 OHM PT-5 CABLE. SAME AS -66AFJ EXCEPT FOR FREQUENCY.
 11/17/44
 FEB. 45

CARS- 66AKA SY
ANTENNA ASSEMBLY
 CONSISTS OF ONE TYPE -10AFB TORQUE TUBE DRIVE UNIT; ONE TYPE -10AFC SPLINE SHAFT DRIVE UNIT; ONE TYPE -10AFD MOTOR DRIVE GEAR UNIT; ONE TYPE -10AFE SPLINE SHAFT UPPER BEARING; ONE TYPE -21ADE SYNCHRO UNIT; AND ONE TYPE -66AJV ANTENNA
 11/18/44
 FEB. 45

CARS 66AKA PROJECTOR.

CRY 66AKB SR-2
ANTENNA ASSEMBLY
 PARABOLIC MESH WITH WIDE BAND DIPOLE FEED. HORIZONTALLY POLARIZED WITH PROVISIONS FOR VERTICALLY POLARIZED IFF DIPOLES. 50 OHM IMPEDANCE.
 11/21/44
 FEB. 45

CRY- 66AKC SR-2
ECHO BOX ANTENNA
 WIDE BAND. SINGLE DIPOLE MOUNTED HORIZONTALLY BEFORE A MESH SCREEN. 16" X 5 1/2".

11/22/44
 FEB. 45

CG- 66AKD SP-1M
ANTENNA ASSEMBLY
 CONSISTS OF TYPE -66AKE ANTENNA ASSEMBLY MOUNTED ON PEDESTAL ANTENNA IS CORNER REFLECTOR TYPE IN WHICH DIPOLES FOR EITHER MARK 3 OR 4 OPERATION CAN BE MOUNTED. PEDESTAL ROTATES ANTENNA ON AZIMUTH AT MAXIMUM SPEED OF 3 RPM;
 11/23/44 DL8236539G1 T-8673975
 FEB. 45 REV 0

CG-66AKD
 POSITION CAN BE ADJUSTED THROUGH 360° RELATIVE TO PEDESTAL FOR ORIENTATION. INCLUDES SF SYNCHRO WHICH IS POSITIONED BY SIGNAL FROM SP-1M EQUIPMENT AND WHICH SUPPLIES POWER TO THE ANTENNA MOTOR.

CG- 66AKE MARK 33
ANTENNA ASSEMBLY
 CONSISTS OF CORNER REFLECTOR ANTENNA IN WHICH DIPOLES FOR EITHER MARK 3 OR MARK 4 IFF OPERATION CAN BE MOUNTED. POSITIONING IS BY MECHANICAL HAND DRIVE OVER A RANGE OF 2 REVOLUTIONS. SAME AS TYPE CG-66AKO ANTENNA ASSEMBLY EXCEPT
 11/23/44 W8608030G1 W-8608030
 FEB. 45 REV 2

CG- 66AKE
 FOR OMISSION OF PEDESTAL AND SUBSTITUTION OF MANUAL DRIVE.

CRP- 66AKF TDY-B. TDY-1a
DUMMY ANTENNA

12/5/44 RX-1434 AL-30092-D-68
 FEB. 45 SUB 0

CRP- 66AKG TDY-a; TDY-1a
ANTENNA ASSEMBLY
 "S" BAND. ENCLOSED IN A HOOD WITH FACILITIES TO FIT A 16" DIA. BOLTING CIRCLE.

12/5/44 RX-1404 30092-Q-1
 FEB. 45 SUB 0

CASF- 66AKH YQ
ANTENNA ASSEMBLY
 "S" BAND RECEIVING ANTENNA WHICH OPERATES OVER BAND CENTERED AT 10.4 CM ± 1 1/2%. HORIZONTALLY POLARIZED AND HAS UNIFORM AZIMUTH PATTERN. CONSISTS OF 2 TRI-DIPOLE ELEMENTS MOUNTED ON 7/8" COAXIAL LINE.
 12/8/44
 FEB. 45

-66AKI

DO NOT ASSIGN

CAKZ 66AKJ TDY. TDY-1
ANTENNA ASSEMBLY
 FREQUENCY RANGE: 85-170 MC. IMPEDANCE IS 50 OHMS POLARIZATION IS PARALLEL TO AXIS OF DIPOLE PORTION. HAS LUCITE WEATHER-PROOF BLISTER OVER DIPOLE. SAME AS -66AJN EXCEPT HAS DIFFERENT MOUNTING PROVISIONS.
 12/30/44
 FEB. 45

CAKZ- 66AKL TDY; TDY-1
ANTENNA ASSEMBLY:
 FREQUENCY RANGE: 145-275 MC. IMPEDANCE IS 50 OHMS. CARTER SLEEVE DIPOLE WITH REFLECTOR. 10 DB GAIN. SAME AS -66AJT EXCEPT HAS DIFFERENT MOUNTING PROVISIONS.

12/30/44
 FEB. 45

CAKZ- 66AKM TDY. TDY-1
ANTENNA ASSEMBLY:
 FREQUENCY RANGE: 275-500 MC. IMPEDANCE IS 50 OHMS. POLARIZATION IS PARALLEL TO AXIS OF DIPOLE PORTION. UNIT IS COMPLETE WITH CORNER REFLECTOR TO PROVIDE A 60° BY 60° BEAM. SAME AS -66AJX EXCEPT HAS DIFFERENT MOUNTING PROVISIONS.
 12/30/44
 FEB. 45

CQJ- 66AKN BT
ANTENNA ASSEMBLY
 CONSISTS OF A THREE ELEMENT HORIZONTALLY POLARIZED ANTENNA ASSEMBLY. PROVIDES UNIFORM AZIMUTHAL PATTERN AND NEARLY UNIDIRECTIONAL VERTICAL PATTERN. WEATHER PROOFED BY MEANS OF FIBRE-GLASS COVERS. USED FOR BAND "A" OF TYPE -43ADB RADIO
 1/13/45 183TRA X 1256
 MAR. 45

CQJ- 66AKN
 TRANSMITTER RECEIVER. SIMILAR TO TYPE -66AKO EXCEPT FOR OVERALL DIMENSIONS.

CQJ- 66AKO BT
ANTENNA ASSEMBLY
 CONSISTS OF A THREE ELEMENT HORIZONTALLY POLARIZED ANTENNA ASSEMBLY. PROVIDES UNIFORM AZIMUTHAL PATTERN AND NEARLY UNIDIRECTIONAL VERTICAL PATTERN. WEATHER PROOFED BY MEANS OF FIBRE-GLASS COVERS. USED FOR BAND "B" OF TYPE -43ADB RADIO
 1/13/45 183TRB X 1256
 MAR. 45

CQJ- 66AKO
 TRANSMITTER RECEIVER. SIMILAR TO TYPE -66AKO EXCEPT FOR OVERALL DIMENSIONS.

CRP- 66AKP SG-4
ANTENNA ASSEMBLY
 CONSISTS OF (1) A WATERTIGHT PEDESTAL CONTAINING SYNCHROS FOR TRAIN AND ELEVATION. (2) GEAR REDUCTION ASSEMBLIES. (3) NAVY TYPE -21ACV AND -21ACZ HYDRAULIC SERVO UNITS; (4) TWO PEDESTAL HEATERS RATED 115/1760. 150 WATTS. (5) A ROTARY
 1/23/45 RX-1100A A9994
 MAR. 45 SUB 1

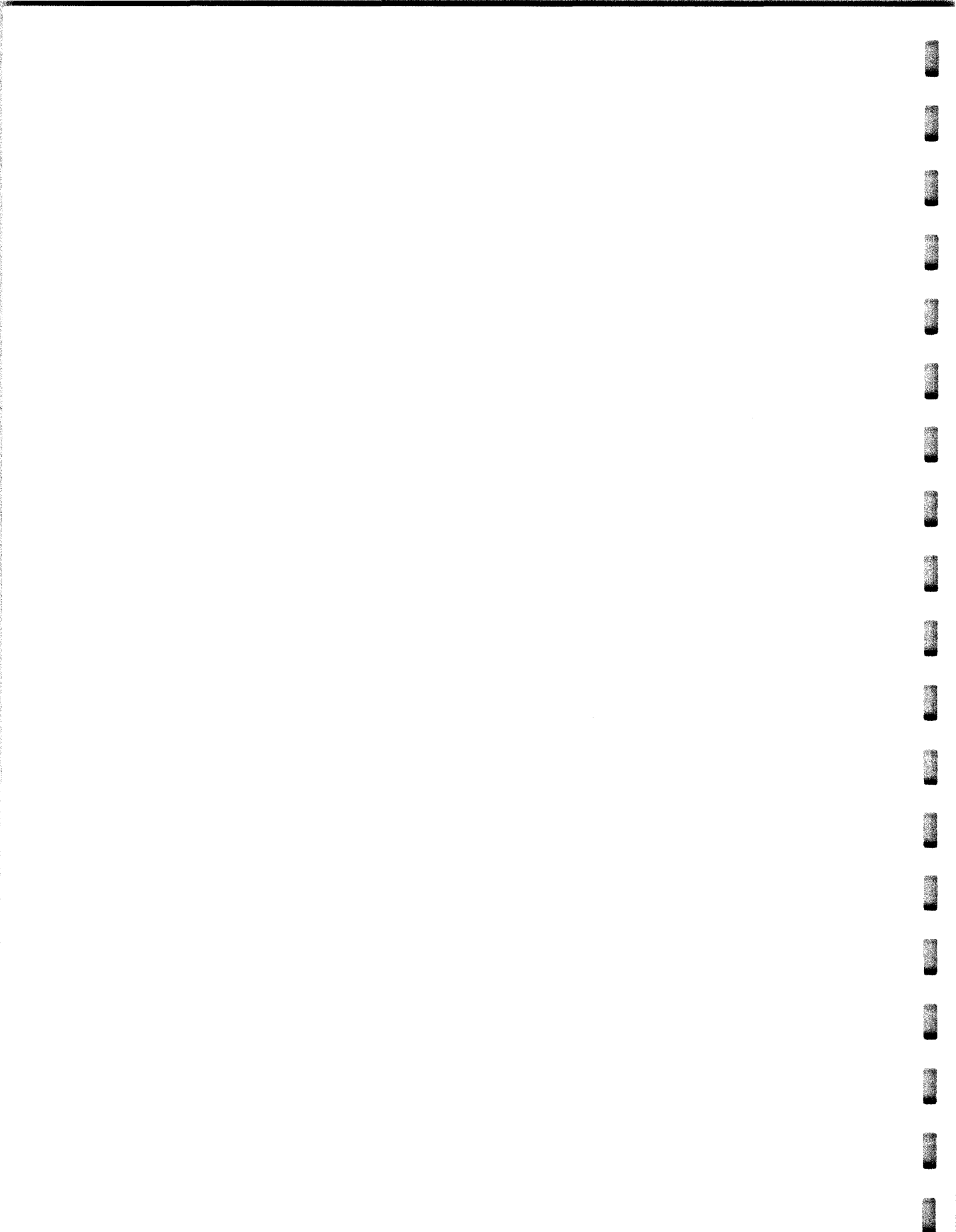
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CAYL-66ALM SX	RE 13A 1085A		CAY-66ALW			CG-66ALV TDY-2		
ANTENNA ASSEMBLY ROTATES AND COMPLETELY STABILIZES 2 ANTENNAE MOUNTED ON A PLATFORM, WITH ROTATING STRUCTURE UNDER POSITIVE REMOTE CONTROL AND TRANSMITTING A RELATIVE BEARING AND DTC SYNCHRO SIGNAL.			GUIDE IS FED AT ONE END AND LOADED AT OTHER END TO PREVENT SIDE-LOBE CREATING REFLECTION.			ANTENNA MONITOR BOX INCLUDES DIPOLE PROBES, DIODE RECTIFIER ELEMENT (955 TUBE) ENCLOSED IN WEATHER-PROOF BOX. FREQUENCY RANGE: 100 TO 1200 MC. SIMILAR IN SIZE TO TYPE -62ABJ JUNCTION BOX.		
5/11/45 CG:SPEC MAY 45 K-9032836 SEC.A						5/16/45 JUN. 45		N-7476633 REV. 0
-66ALI			CAY-66ALO SR-3					
DO NOT ASSIGN			ECHO BOX ANTENNA CONSISTS OF A DIPOLE ANTENNA CONNECTED THROUGH A TYPE "N" CONNECTOR TO RG-8/U CABLE AND PROVIDED WITH A FLANGE FOR MOUNTING PURPOSES.					
			5/15/45 JUN. 45		P-7716218 SUB 0			
-66ALJ MARK 41			CG-66ALP TDY-2					
ANTENNA (INDIFICATION) MARK 9 MOD 0: CONSISTS OF A TRUNCATED DISH TYPE REFLECTOR 5' X 3'4" X 2 1/2" WITH TWO DIPOLES, A TYPE -24AAR RADAR LOBER MARK 2 MOD 0 AND A SET OF RF COAXIAL CABLE.			DUMMY ANTENNA CONSISTS OF A UG-271/U PANEL ADAPTER, .85 FEET OF RG-8/U CABLE, 3 TYPE "N" CONNECTORS, .85 FEET OF RG-21/U CABLE. FREQUENCY RANGE: 100 TO 1200 MC. DISSIPATE 150 WATTS AT 50 OHM IMPEDANCE.					
5/11/45 MAY 45			5/16/45 JUN. 45		M-7476649 REV. 0			
CRP-66ALK TDY-a/TDY-1a			CAPR-66ALO TDY-2					
ANTENNA ASSEMBLY "S" BAND. ENCLOSED IN A HOOD WITH FACILITIES TO FIT A 16 1/2" DIAMETER BOLTING CIRCLE. SIMILAR TO TYPE CRP-66AKG EXCEPT IT HAS A DIFFERENT HORN ASSEMBLY, MOUNTING PROVISIONS HAVE BEEN CHANGED; CABLE IS IN UPPER PORTION OF DOME RATHER THAN			ANTENNA ASSEMBLY FREQUENCY RANGE: 85-170 MC. IMPEDANCE IS 50 OHMS. POLARIZATION IS PARALLEL TO AXIS OF DIPOLE POSITION. WEATHERPROOF. SIMILAR TO -66AKJ BUT REDESIGNED TO REDUCE WEIGHT AND CHANGE BASE.					
5/11/45 RX-1557 MAY 45		M-79A-4 SUB 0	5/16/45 JUN. 45					
			CAPR-66ALR TDY-2					
AT BOTTOM; DESIGNED AS RECEIVING ANTENNA FOR MAST MOUNTING RATHER THAN TRANSMITTING TYPE; HAS DIFFERENT HORN ASSEMBLY.			ANTENNA ASSEMBLY FREQUENCY RANGE: 145-275 MC. IMPEDANCE IS 50 OHMS. POLARIZATION IS PARALLEL TO AXIS OF DIPOLE PORTION. CARTER SLEEVE DIPOLE WITH CORNER REFLECTOR. SIMILAR TO -66AKL BUT REDESIGNED TO REDUCE WEIGHT AND CHANGE BASE.					
			5/16/45 JUN. 45					
CRP-66ALL TDY-a/TDY-1a			CAPR-66ALS TDY-2					
DUMMY ANTENNA: SIMILAR TO TYPE -66AKF IN ELECTRICAL CHARACTERISTICS BUT NOT MECHANICALLY. PROVIDES FOR STANDARD 1 1/2" X 3" WAVE GUIDE INPUT INSTEAD OF COAXIAL WAVEGUIDE INPUT AND CONTAINS A MONITOR PROBE WITH CRYSTAL.			ANTENNA ASSEMBLY FREQUENCY RANGE: 275-500 MC. IMPEDANCE IS 50 OHMS. POLARIZATION IS PARALLEL TO AXIS OF DIPOLE PORTION. UNIT IS COMPLETE WITH CORNER REFLECTOR TO PROVIDE A 60° BY 60° BEAM. SIMILAR TO -66AKM BUT BASE MOUNTING IS REDESIGNED.					
5/11/45 RX-1434A MAY 45		M-79E-WI SUB 1	5/16/45 JUN. 45					
CASC-66ALM P0			CAPR-66ALT TDY-2					
ANTENNA ASSEMBLY CONSISTS OF 2 DIPOLE VERTICALLY POLARIZED AND STACKED VERTICALLY, AND A REFLECTING GRID 35" X 48" AND MATCHING SECTION. HAS A TYPE N RECEPTACLE, USED AS RECEIVING ANTENNA FOR P0 EQUIPMENT.			ANTENNA ASSEMBLY FREQUENCY RANGE: 500-800 MC. IMPEDANCE IS 50 OHMS. POLARIZATION PARALLEL TO AXIS OF DIPOLE PORTION. COMPLETE WITH CORNER REFLECTOR TO PRODUCE A 60° BY 60° BEAM. SIMILAR TO -66AJY BUT BASE MOUNTING IS REDESIGNED.					
5/14/45 MAY 45			5/16/45 JUN. 45					
CAY-66ALN SR-3			CAPR-66ALU TDY-2					
ANTENNA ASSEMBLY CONSISTS OF A HORIZONTAL LINEAR ARRAY OF 26 DIPOLES HORIZONTALLY POLARIZED, ABOUT 17' LONG. ARRAY IS MOUNTED ON, AND PROBE EXCITED BY 3 1/4" X 6 1/2" WAVE GUIDE, REFLECTORS ATTACHED TO WAVE GUIDE CONTROL ELEVATION RADIATION PATTERN. WAVE			ANTENNA ASSEMBLY FREQUENCY RANGE: 800-1700 MC. IMPEDANCE IS 50 OHMS. POLARIZATION PARALLEL TO AXIS OF DIPOLE PORTION. COMPLETE WITH CORNER REFLECTOR TO PRODUCE A 60° BY 60° BEAM. SIMILAR TO -66AJR EXCEPT BASE MOUNTING IS REDESIGNED.					
5/15/45 JUN. 45			5/16/45 JUN. 45					

ASSIGNED
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ASSIGNED
ISSUED

DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER
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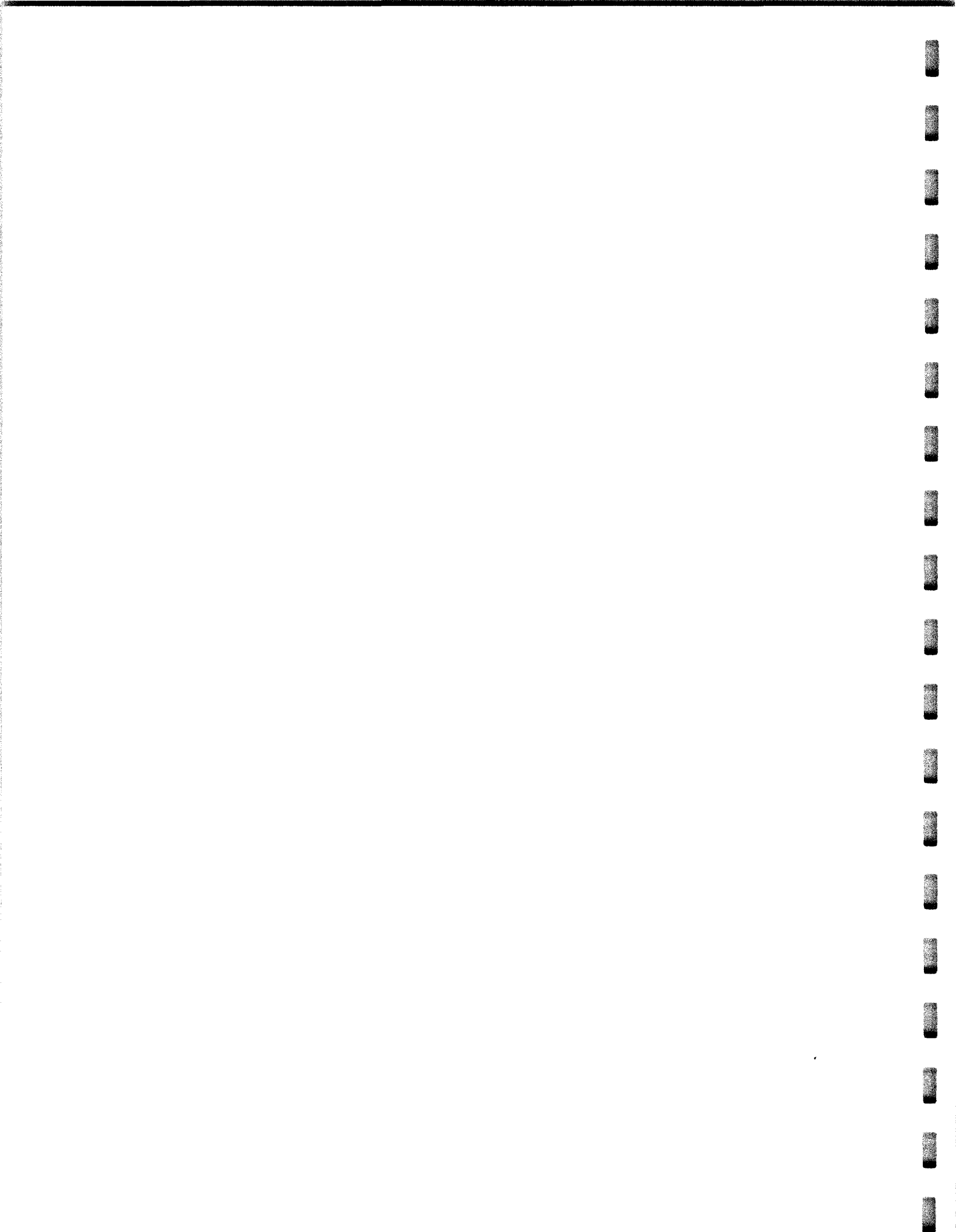


Class 67—Automatic Systems

CLASS 67

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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
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CG-67AAA ABA
AUTOMATIC KEYING UNIT

7/2/41
JUN. 44

CG-67AA B ABA
KEYING DISC SET
CONTAINER WITH 10 CODE WHEELS USED IN
CG-67AAA AUTOMATIC KEYING UNIT OR CG-
23ACV REMOTE CONTROL UNIT.

(CSP 1220)
9/15/41 DL4W87A
JUN. 44

CUE 67AAC ABA-1
KEYING DISC SET (#2)
CONTAINER WITH 10 CODE WHEELS (FOR GGI
OPERATION) USED IN CG-67AAA AUTOMATIC
KEYING UNIT OR CG-23ACV REMOTE CONTROL
UNIT.
(ENG 214)

3/3/43
JUN. 44

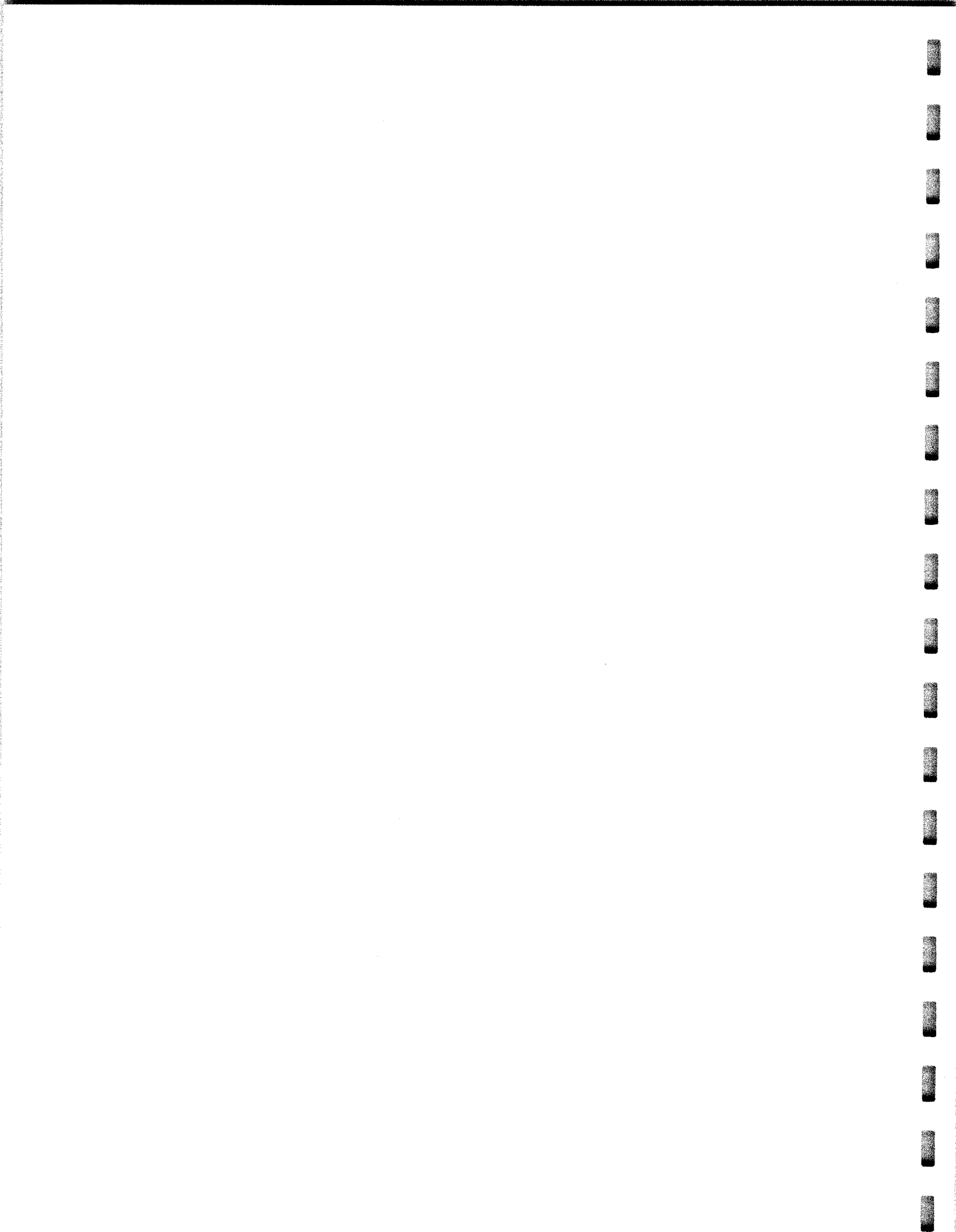
CAY 67AAD SR
KEYER
THIS UNIT IS A SELF GRID BLOCKING CIRCUIT
FOR THE TRANSMITTER. HAS THREE AVAILABLE
PULSE CONDITIONS.

1/12/44 CAY:T-7611223
JUN. 44

CM-67AAE UP
REGENERATIVE REPEATER BAY
INPUT: 115/1/60. INCLUDES FOLLOWING
UNITS: 1CW-10456, 1CW-20311, 1CAIU-
20367, 1CW-28029, 1CW-29434, 1CW-50244,
1CW-62193, 1CW-67014.

1/18/45 X-66691A-1 X-66691A-1
MAR. 45 LIST 1 U&RU ISS 3

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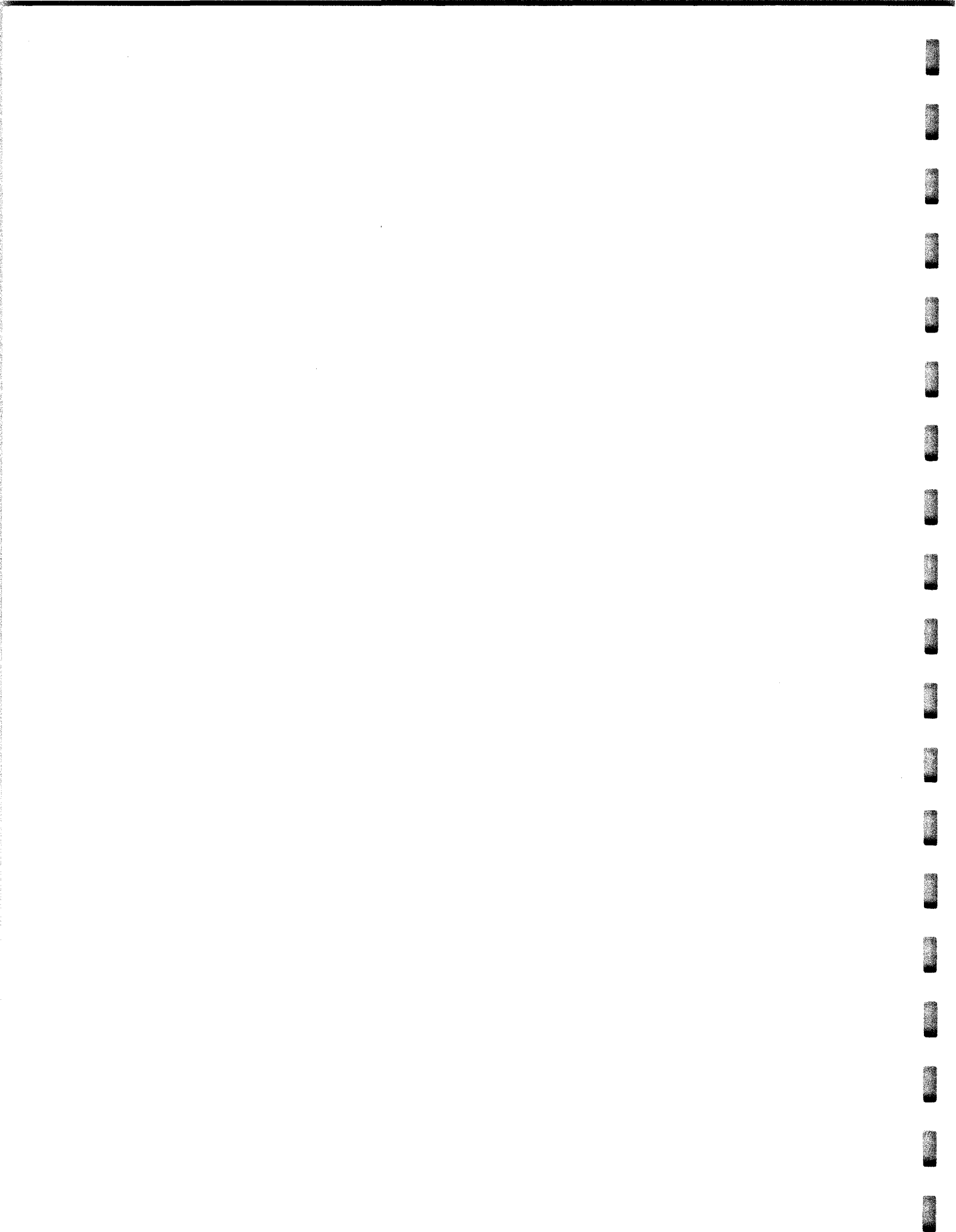


Class 68—Secrecy Systems

CLASS 68

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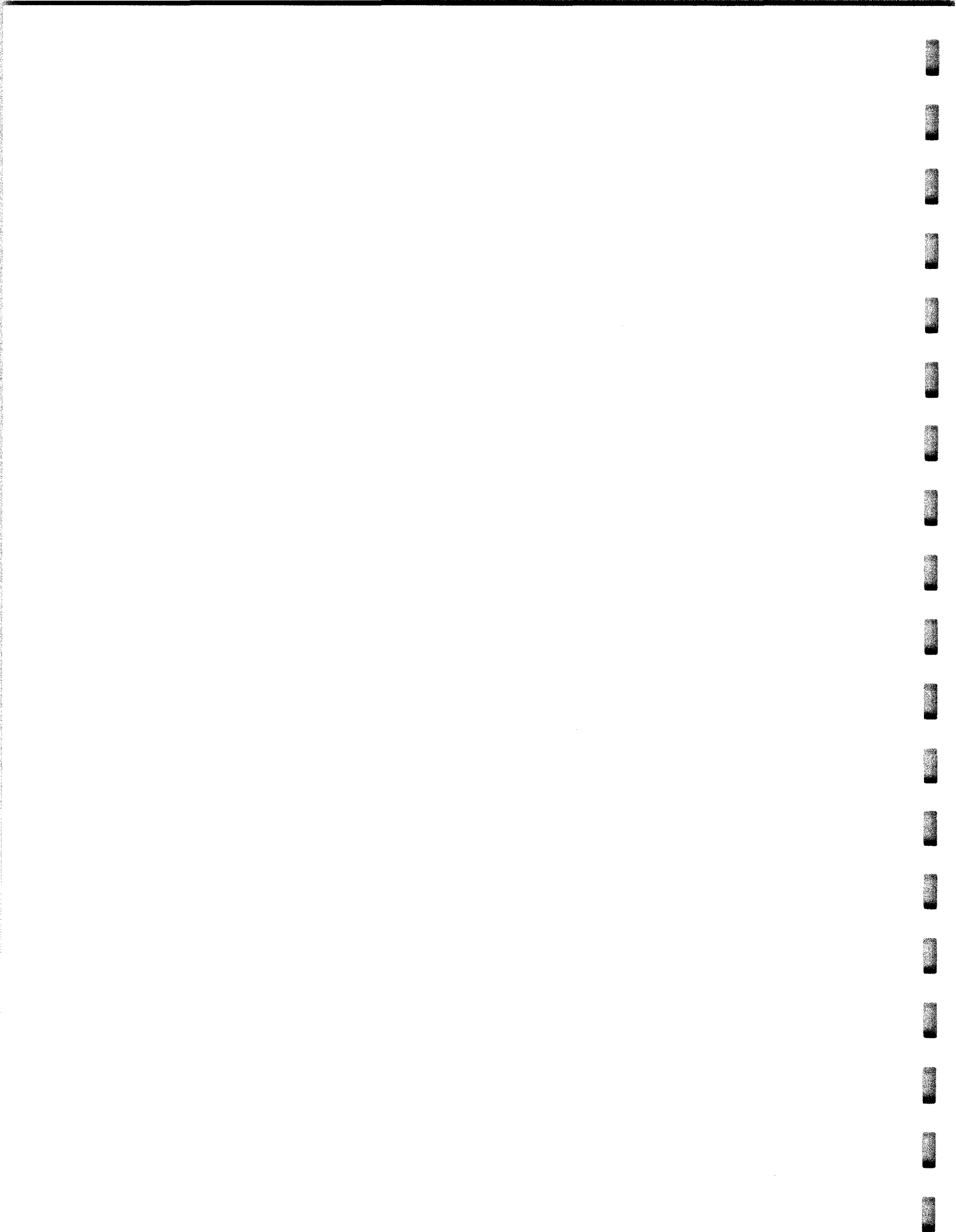
NAVSHIPS 900,109



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CW-68AAA PF
 AUDIO SIGNAL SCRAMBLER
 FOR OPERATION FROM 24 VOLTS DC. WILL
 SCRAMBLE AUDIO SIGNALS IN RANGE OF 200
 TO 3500 CYCLES. ADAPTED FOR TRANSMITTING
 AND RECEIVING VOICE CONVERSATION AND
 KEYED AUDIO SIGNALS IN BOTH WIRE AND
 RADIO TELEPHONE CHANNELS.
 8/1/42 TYPE D-150285 CW:ES0-591191
 JUN. 44 TDS ISSUE 1

			ASSIGNED ISSUED				ASSIGNED ISSUED			
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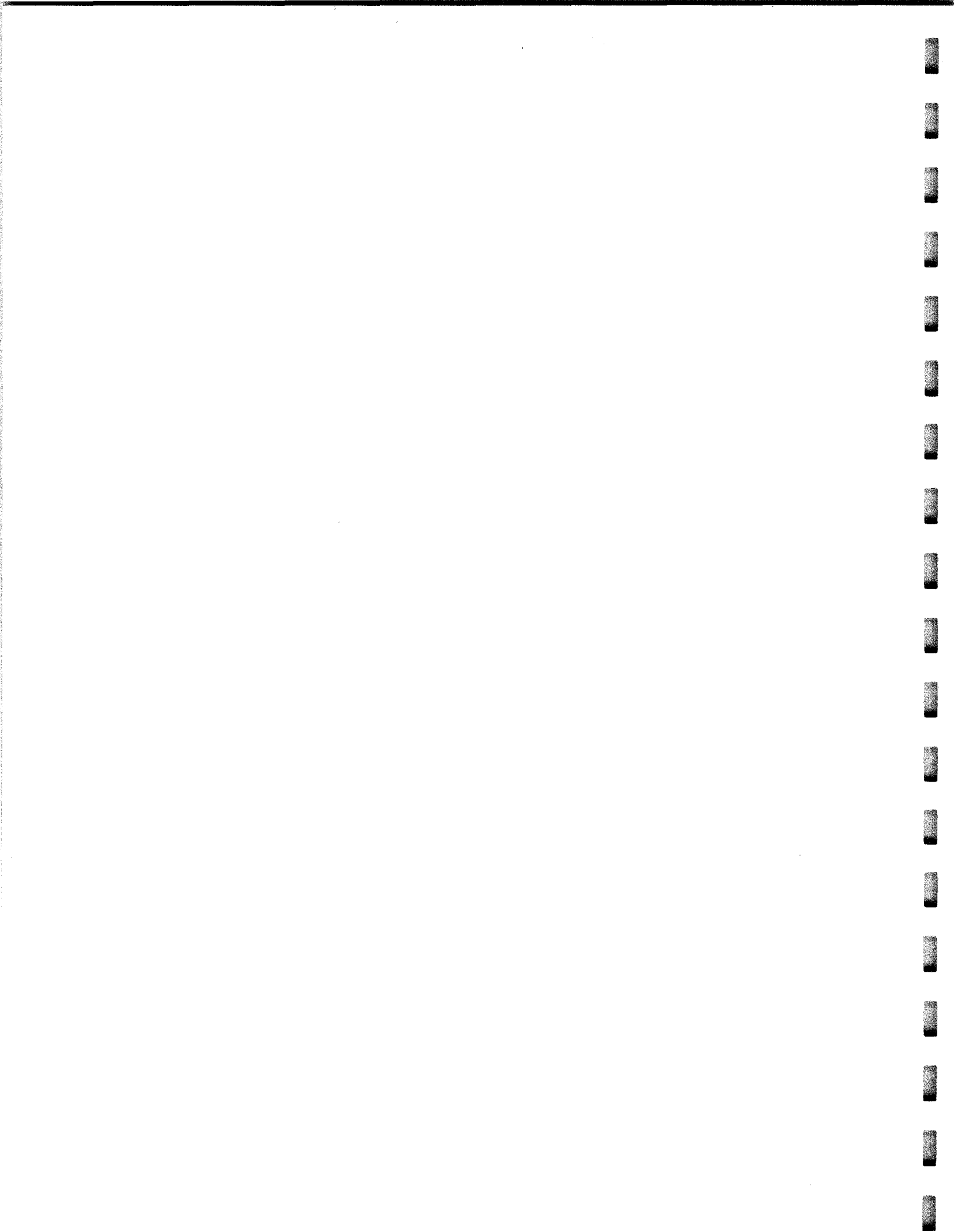


Class 69—Direction Finders

CLASS 69

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NAVSHIPS 900,109



Class 69—Direction Finders

5.69-1

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
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CRV- 69AAA CXC
 LOOP:
 16" DIA - WEIGHT 7 1/2 LBS.

10/22/52
 JUN. 44

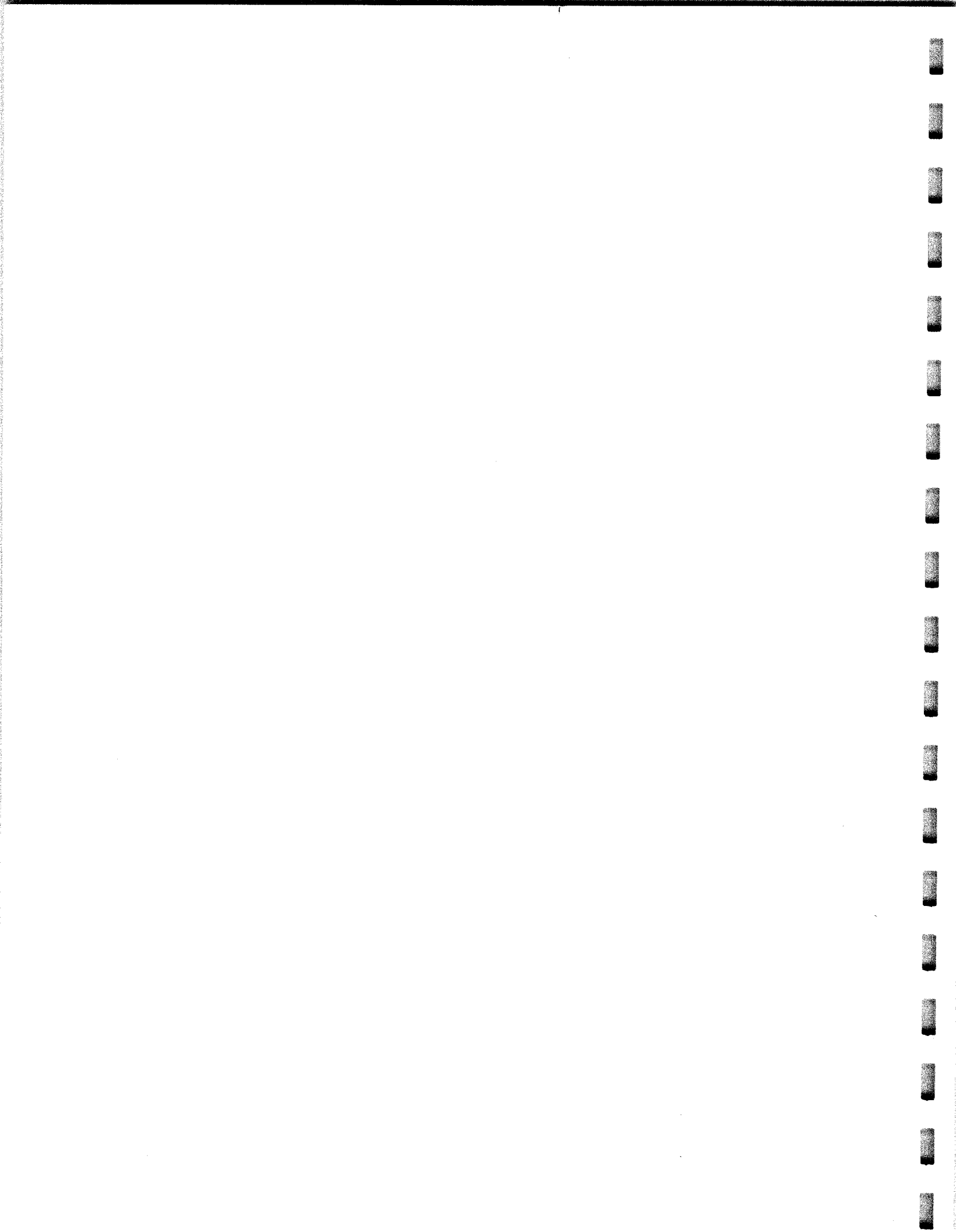
69AAB CXC
 LOOP DRIVE
 INCLUDES HANDWHEEL & AZIMUTH SCALE;
 WEIGHT 9 1/2 LBS.

10/22/52
 JULY 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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NAVSHIPS 900,109

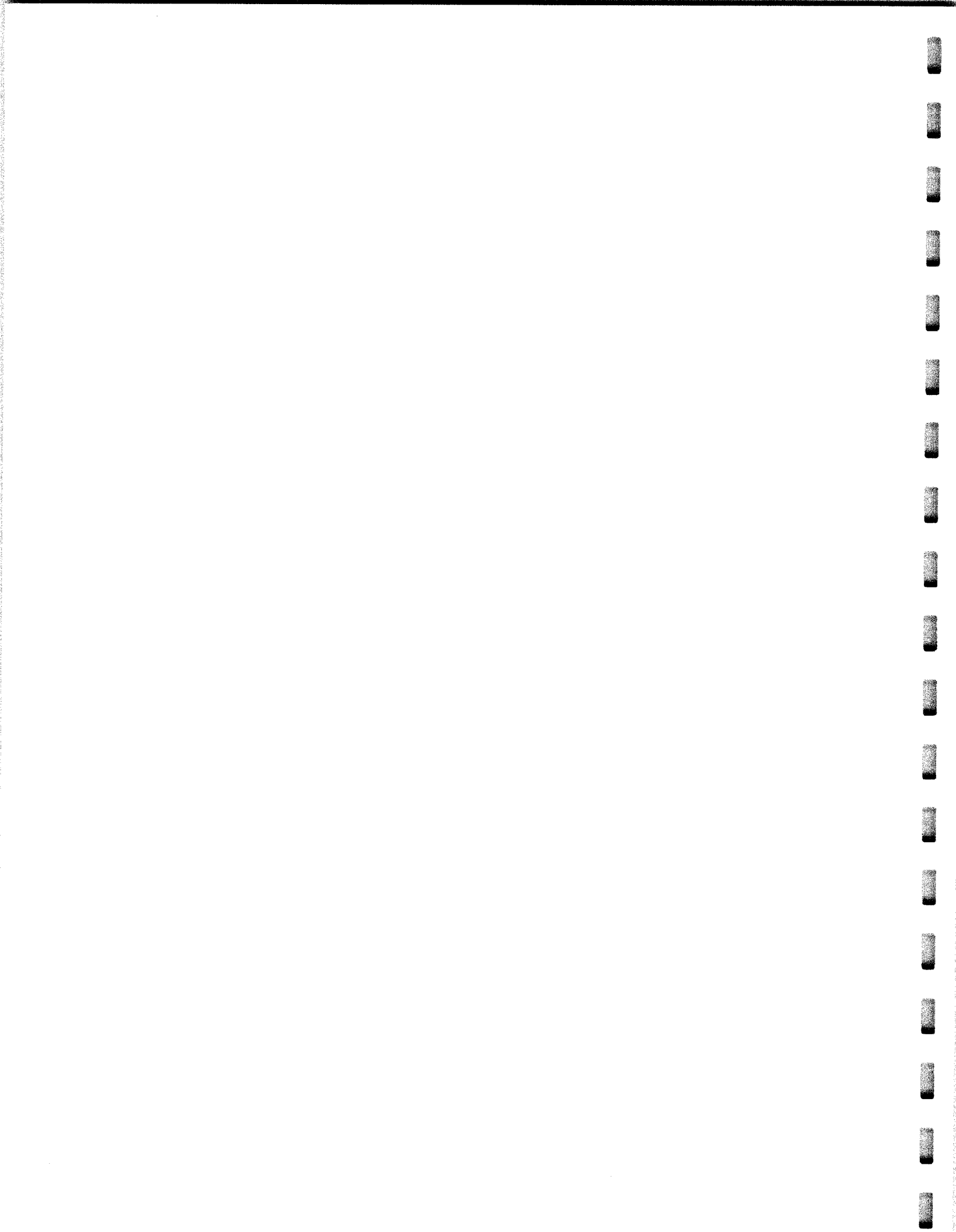


Class 74—Precision Calibration and Measuring Equipment

CLASS 74

CONFIDENTIAL

NAVSHIPS 900,109



Class 74—Precision Calibration and Measuring Equipment

5.74-1

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
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CM-74AAA FA
 DETECTOR AND CALIBRATOR
 PANEL: PART OF CM-55AAA INDICATOR
 DECK.

2/25/41 D-150188
 JUN. 44

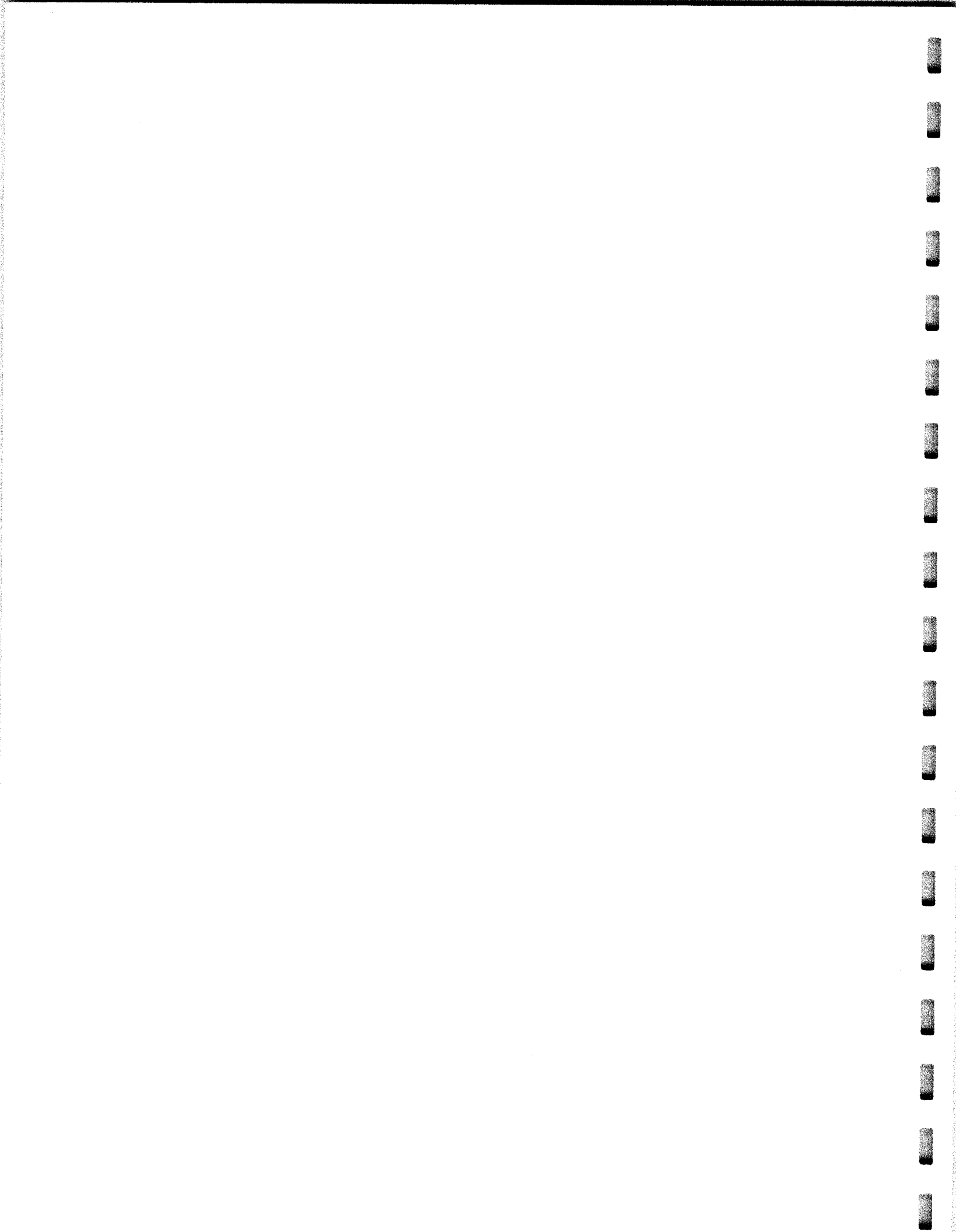
CG-74AAB LY
 FREQUENCY CALIBRATOR-
 GENERATOR (PULSE): WITH PROVISIONS
 FOR 30 KC MODULATION. PROVIDES
 FREQUENCY CALIBRATION FROM A CRYSTAL
 CALIBRATED HETERODYNE FREQUENCY AND
 MEANS FOR MEASURING THE OUTPUT OF A
 TRANSMITTER OR THE SENSITIVITY OF RE-
 4/4/42
 JUN. 44

CG-74AAB
 CEIVER. INCLUDES AN INTERNAL RECTIFIER
 FOR OPERATION FROM 115 VOLTS 1-PHASE,
 60 CYCLES.

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

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NAVSHIPS 900,109

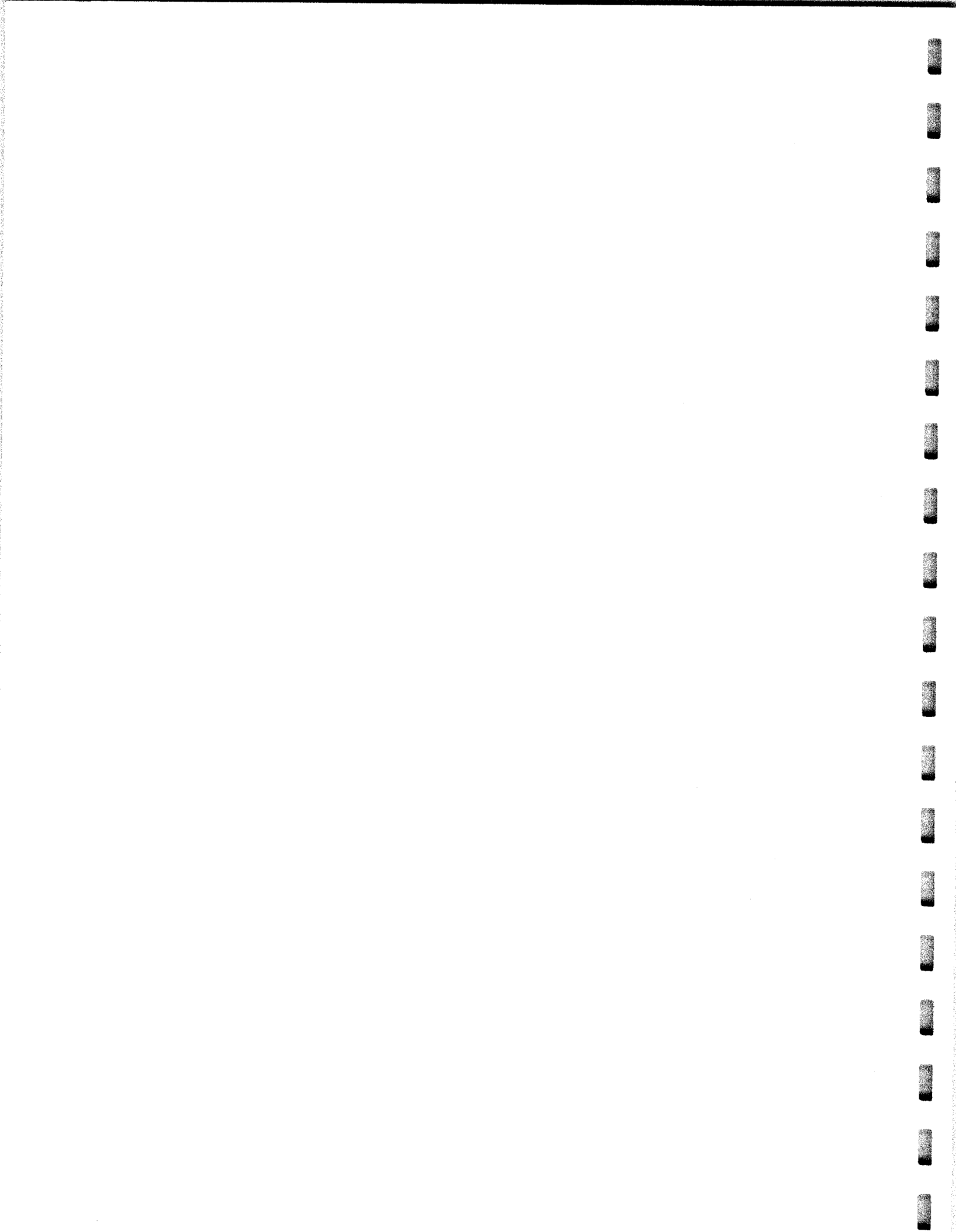


Class 83—Frequency Control Systems

CLASS 83

CONFIDENTIAL

NAVSHIPS 900,109



Class 83—Frequency Control Systems

5.83-1

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
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CM-83AAA MK 19
 AUTOMATIC FREQUENCY CONTROL
 UNIT:

4/26/43 D-151615 BX-21953
 DEC. 44 ISS 1

CM-83AAB MK 19
 AUTOMATIC FREQUENCY CONTROL
 UNIT: SAME AS CM-83AAA EXCEPT THREE
 CAPACITORS HAVE DIFFERENT VALUES,
 MECHANICALLY, BUT NOT ELECTRICALLY
 INTERCHANGEABLE AS A WHOLE WITH CM-
 83AAA. (C3, C4 AND C6 HAVE BEEN CHANGED
 FROM 1000 MHF TO 510 MHF.)
 6/11/43 D-151732 CM:ESXX-697795
 JUN. 44 ISSUE 3

CM-83AAC SL-a, SL-1
 AUTOMATIC FREQUENCY CONTROL
 UNIT: HOUSES THE AFC CHASSIS AND
 ASSOCIATED APPARATUS AND WILL SERVE TO
 CONTROL THE FREQUENCY OF THE BEAT OSCIL-
 LATOR FOR BEST RECEPTION. (DESIGNED
 TO MOUNT ON THE UPPER LEFT HAND END OF
 THE CM-55ACU INDICATOR-MODULATOR
 8/26/43 D-151783 CM:8R-13912
 JUN. 44 ISSUE 1

CM-83AAC
 ASSEMBLY IN PEACE OF THE UPPER SIDE
 COVER.

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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CONFIDENTIAL

NAVSHIPS 900,109

