

*Class 52—Radio Transmitter Units*

**CLASS 52**

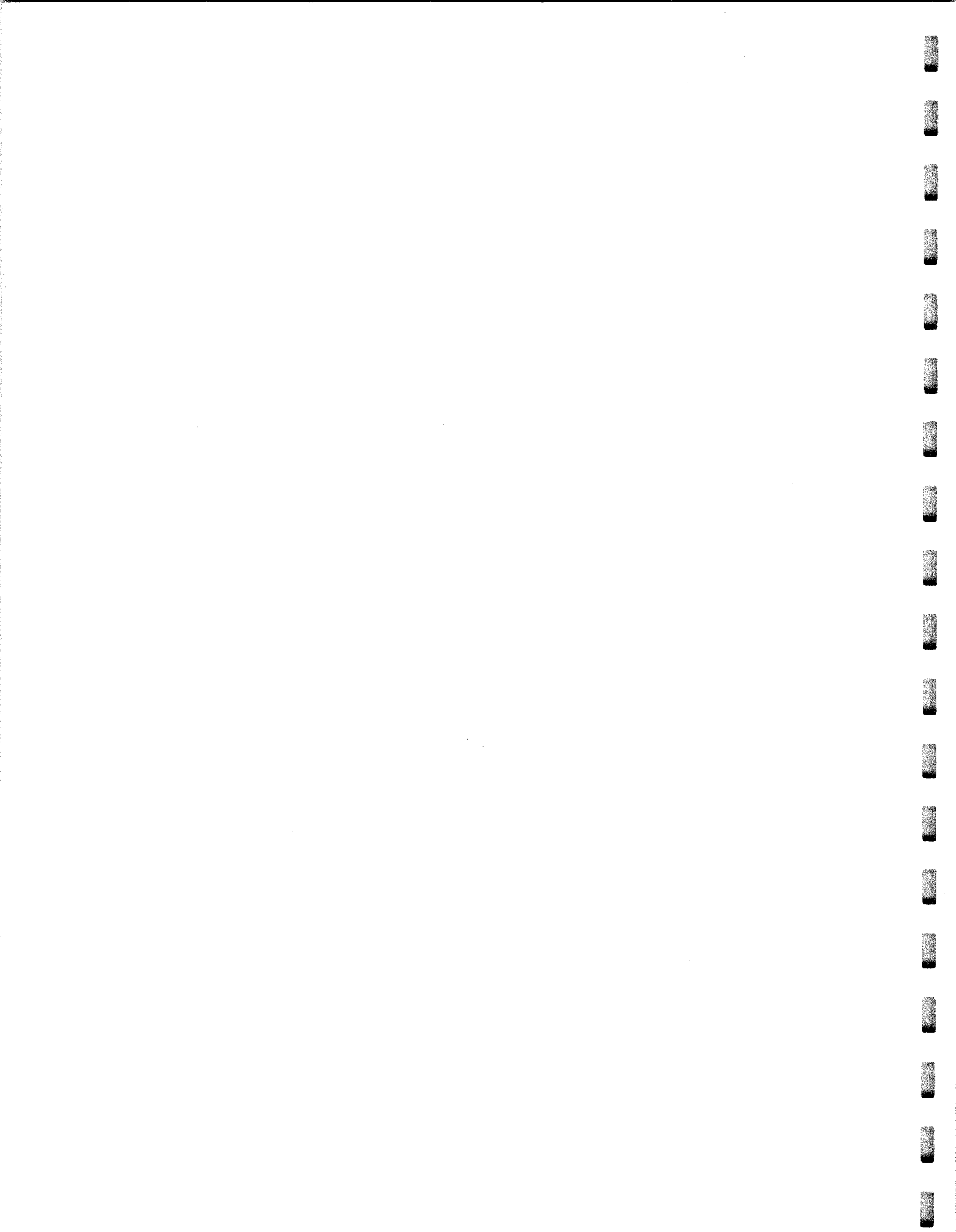
**RADIO TRANSMITTER UNITS  
(COMPLETE UNITS)**

**INCLUDES: OSCILLATOR UNITS  
R.F. DRIVERS (UNDERWATER  
SOUND EQUIPMENT)**

**NOTE: COMBINED TRANSMITTER & RECEIVERS  
(SINGLE UNIT) COVERED BY CLASS 43.**

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**NAVSHIPS 900,109**



Class 52—Radio Transmitter Units

3.52-1

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-52000 TAP-1 TRANSMITTER UNIT		XA-8150	CG-52007-A TBA-1a TRANSMITTER UNIT 1 KW 4-26 MC SUPPLY: 230V DC.			CBY 52014 GF/GF-4 MOUNTING BASE FOR TRANSMITTER UNIT.				
Ø CG DWGS. W-7350247-G-F; OUTLINE T-7652493. 12/18/31 RT-48A NOV. 41		Ø SEE ABOVE	12/5/44 JAN. 45			11/7/32 NOV. 41				
RA-52001 XP-3 MODULATOR UNIT			CAY 52008 TBF TRANSMITTER UNIT 75/500 WATTS; 2,000-4,525 KILOCYCLES.		CAY-T-112	CF-52015 TAU-1 TRANSMITTER UNIT 1 KW - 500-2,000 KILOCYCLES.		XA-8443		
1/5/32 NOV. 41			8/19/32 NOV. 41		#7603380	11/21/32 NOV. 41		B-1621L-5		
RW-52002 GL TRANSMITTER UNIT 52-60 MEGACYCLES, 10 WATTS. RECTIFIED AC - PHONE - ICW.			CAY 52008-A TBF-a TRANSMITTER UNIT RANGE: 2,000 - 18,100 KILOCYCLES - 75/500 WATTS. SUPPLY: 230 VOLTS D.C.		CAY-T-112	CRV 52016 T8C TRANSMITTER UNIT 200-WATT, 300-600 KILOCYCLES. 230 VOLTS D.C., 2,000-18,100 KILOCYCLES.				
3/1/32 NOV. 41			9/15/33 NOV. 41			5/9/33 NOV. 41				
CN-52003 GH TRANSMITTER UNIT (AIRCRAFT). 20 WATTS - CH-ICW-TELEPHONE 3,000-4,525/6,000-9,050 KILOCYCLES.			CRV 52009 TAJ-3 TRANSMITTER UNIT 500 WATTS, 195-600 KILOCYCLES. 115/230 VOLTS D.C.			CRV 52017 T8C TRANSMITTER UNIT 200 WATTS - 300-600 KILOCYCLES. 115 VOLTS D.C. - 2,000-18,100 KILOCYCLES.				
3/22/32 NOV. 41			9/7/32 NOV. 41			5/9/33 NOV. 41				
CBY 52004 - GF TRANSMITTER UNIT (AIRCRAFT). 7-1/2 WATT - 6,200-7,700 KILOCYCLES. ICW-PHONE.			CG-52010 TBA-1 TRANSMITTER UNIT 1 KW - 4,000-26,000 KILOCYCLES - CC/SO. 115 VOLTS D.C.			CRV 52018 TBH TRANSMITTER UNIT 200 WATTS - 300-9,050 KCS. 220 VOLTS - 3-PHASE - 60 CYCLES.				
5/11/32 NOV. 41			9/20/32 RT-43F NOV. 41			5/ /33 NOV. 41				
CAY 52005 CK-1 TRANSMITTER UNIT (AIRCRAFT). 500 WATTS - 300-615 KILO- CYCLES.		XA-8300	CG-52011 TBA-1 TRANSMITTER UNIT 1 KW - 4,000-26,000 KILOCYCLES - CC/SO. 220 VOLT, 3 PHASE. 60 CYCLE.			CAY 52019 TBH MODULATOR UNIT SIMILAR TO RCA-AP896.				
5/17/32 NOV. 41		T-7603027 & M-7403651	9/20/32 RT-43G NOV. 41			5/ /33 NOV. 41				
CAY 52006 CK-1 TRANSMITTER UNIT (AIRCRAFT). 500 WATTS - 3,000-18,100 KILOCYCLES.		XA-8300	CG-52012 TBA-1 TRANSMITTER UNIT 1 KW - 4,000-26,000 KILOCYCLES - CC/SO. 440 VOLT - 25 CYCLE.			CHS 52020 GO TRANSMITTER UNIT - AIRCRAFT. 100 WATTS - 4,000-13,575 KCS.				
5/17/32 NOV. 41		T-7603028 & M-7403652	9/20/32 RT-43H NOV. 41			6/17/33 NOV. 41				
CC-52007 TBA-1 TRANSMITTER UNIT 1 KW - 4,000-26,000 KILOCYCLES - CC/SO. 230 VOLTS D.C.			CG-52013 TAQ-3 TRANSMITTER UNIT 2 KW - 175-600 KILOCYCLES.		XA-8444	CHS 52021 GO TRANSMITTER UNIT - AIRCRAFT. 100 WATTS - 300-600 KILO- CYCLES.				
5/19/32 NOV. 41			10/25/32 RT-39G NOV. 41		P-7760462	6/17/33 NOV. 41				
DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER	ASSIGNED ISSUED	DATE	MANUFACTURER'S DESIGNATION	MANUFACTURER'S DRAWING NUMBER

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CRV 52022	TAJ-4		CAY 52030	TBF-Z		CW-52038	CXH	
TRANSMITTER UNIT			TRANSMITTER UNIT			ANTENNA TUNING UNIT		
500 WATTS - 175-600 KILOCYCLES.			(CANCELLED - MODEL TBF-2 CHANGED TO TBK).			2-18.1 MEGACYCLES.		
CLASS 2J.								
6/21/33			7/2/34			12/1/34	D-96651	
NOV. 41			NOV. 41			NOV. 41		
CRV 52023	TBF-1		CAY 52031	TBK-3		CW-52039	GP-1	
TRANSMITTER UNIT			TRANSMITTER UNIT			TRANSMITTER-RECTIFIER UNIT		
500 WATTS, 2,000-4,525 KILOCYCLES.			75/500 WATTS - CW/MCW. 2000-18,100 KCS.			350-9050 KILOCYCLES, CW-MCW-VOICE.		
CLASS 4C.						15 VOLTS DC AND 120 VOLTS, 800 CYCLE SUPPLY.		
6/21/33			7/2/34			12/11/34		ES0-604600
NOV. 41			NOV. 41			NOV. 41		
CHS 52024	TAZ-1		CAY 52032	TBK		CG-52040	TBA-2	
TRANSMITTER UNIT			TRANSMITTER UNIT			TRANSMITTER UNIT		
200 WATTS - CW/MCW. 300-600/2000-18,100 KCS.			75/500 WATTS - 2,000-18,100 KILOCYCLES.			4000-26,000 KCS. 440 VOLTS, 3-PHASE, 60 CYCLES.		
10/14/33			7/2/34		T-7604033	Ø T-7659855 & ML-W7350519-C-1.		
NOV. 41			NOV. 41			12/17/34 RT-43-K Ø SEE ABOVE		
						NOV. 41		
RW-52025	TAD	RW 52F 112	CG-52033	GO-1		CRV 52041	TBL-1	
HIGH FREQUENCY ATTACHMENT			TRANSMITTER UNIT			TRANSMITTER UNIT		
4000 TO 18000 KILOCYCLES.			HIGH FREQUENCY. (CANCELLED - TYPE 52053 UNIT USED ON GO-1).			440 VOLTS - 60 CYCLES, 3-PHASE. 200 WATTS - 175-600/2000-18,100 KCS.		
2/8/34			7/24/34			1/9/35		P-708508
NOV. 41			NOV. 41			NOV. 41		
CAY 52026	TAY-1		CW-52034	GO-1		CRV 52042	TBL	
TRANSMITTER UNIT			TRANSMITTER UNIT			TRANSMITTER UNIT		
200 WATTS -CW/MCW. 300-600 KILOCYCLES.			INTERMEDIATE FREQUENCY. (CANCELLED - TYPE 52054 UNIT USED ON GO-1).			230 VOLTS D.C. 200 WATTS - 175-600/2000-18,100 KCS.		
4/12/34			7/24/34			1/9/35		P-708509
NOV. 41			NOV. 41			NOV. 41		
CBY 52027	GF-1		CG-52035	UB		CRV 52043	TBL	
TRANSMITTER UNIT - AIRCRAFT.			TRANSMITTER UNIT			TRANSMITTER UNIT		
			500 WATTS - 27-40 MEGACYCLES; OUTPUT 500 WATTS; EMISSION CW(A1).			115 VOLTS D.C. 200 WATTS - 175-600/2000-18,100 KCS.		
6/14/34			8/1/34			1/9/35		P-708509
NOV. 41			NOV. 41			NOV. 41		
CBY 52028	GF-2		CG-52036	TAO-4		CW-52044	CXH-1	
TRANSMITTER UNIT - AIRCRAFT. 3000-4525/6000-9050 KCS.			TRANSMITTER UNIT			TRANSMITTER UNIT		
			2 KW. 175-600 KILOCYCLES.			300-400 WATTS - 2-18.1 MEGACYCLES.		
6/14/34			11/9/34	RT-39-1	P-7761134	1/12/35	14A	
NOV. 41			NOV. 41			NOV. 41		
CRV 52029	TAJ-5		CG-52037	CXH		CG-52045	TAW-1	
TRANSMITTER UNIT			TRANSMITTER UNIT			TRANSMITTER UNIT		
500 WATTS - CW/MCW. 175-600 KCS.			300-400 WATTS - 2-18.1 MEGACYCLES.			15 - 34 KILOCYCLES - 300 KILOWATTS.		
7/2/34		T-7604070	12/1/34	D-96648		2/18/35	RT-181-A	DL-7550372-C-2
NOV. 41			NOV. 41			NOV. 41		

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CAY 52046	TBN. 1, 2, 3		CW- 52054	GO-2		RW- 52062	TBE-1	
TRANSMITTER UNIT			TRANSMITTER UNIT - 1.F.			TRANSMITTER UNIT		
INTERMEDIATE FREQUENCY - 60 CYCLES						110 VOLT - 60 CYCLES. 300-800 KC - 100		
SUPPLY.						WATTS - CW-MCW - NAVAL RESERVE.		
2/25/35		T-7604336	7/24/35			6/3/36		
NOV. 41			NOV. 41			NOV. 41		
CAY 52047	TBN-1		CAY 52055	TBM-3		CBY 52063	GF-3	
TRANSMITTER UNIT			TRANSMITTER UNIT			TRANSMITTER UNIT		
INTERMEDIATE FREQUENCY - 25 CYCLES			HIGH FREQUENCY. SUPPLY 60 CYCLES & D.C.			FREQ. RANGE: 3000 TO 3675, 3675 TO 4525/		
SUPPLY.			(SAME AS CAY-52048 EXCEPT ADDITION OF			6000 TO 7350, 7350 TO 9050.		
2/25/35		T-7604336	11/14/35			7/2/36		
NOV. 41			NOV. 41			NOV. 41		
CAY 52048	* SEE BELOW		CRV 52056	TBH-1.2		CBY 52063-A	GF-4	
TRANSMITTER UNIT			TRANSMITTER UNIT			TRANSMITTER UNIT		
HIGH FREQUENCY - 60 CYCLES SUPPLY.						FREQ. RANGE: 3000 TO 3675, 3675 TO 4525/		
						6000 TO 7350; 7350 TO 9050.		
* TBM, 1, 2/TBN, 1, 2, 3.			12/4/35			12/24/36		
2/26/35		T-7604-318	NOV. 41			NOV. 41		
NOV. 41								
CAY 52049	TBN-1		CG- 52057	TBH-1.2		CAY 52064	* SEE BELOW	
TRANSMITTER UNIT			MODULATOR UNIT			TRANSMITTER UNIT		
HIGH FREQUENCY - 25 CYCLES SUPPLY.						TBK-6; 220 VOLTS/2-PHASE/60 CYCLES.		
						TBK-5 & 6; 220 VOLTS/3-PHASE/60 CYCLES;		
2/26/35		T-7604-318	12/4/35			440 VOLTS/3-PHASE/60 CYCLES.		
NOV. 41			NOV. 41					
CG- 52050	TBJ		12/4/35			* TBK-5 & TBK-6.		
TRANSMITTER UNIT			NOV. 41			7/16/36		OUTLINE DWG.
15-34 KILOCYCLES - 500 KILOWATTS.						NOV. 41		T-7605027
CAY 52051	GP		CAY 52058	GP-3		CAY 52065	TBK-6	
TRANSMITTER-RECTIFIER-			TRANSMITTER-RECTIFIER			TRANSMITTER UNIT		
MODULATOR UNIT. 350-9050 KILOCYCLES -			350-1500/3000-9050 KC.			220/440 VOLTS/3-PHASE/25 CYCLES;		
85-125 WATTS. SUPPLY 120 VOLTS - 800								
CYCLES.								
3/6/35	RT-179-A	DL-7550372-C-1	5/14/36			7/16/36		OUTLINE DWG.
NOV. 41			NOV. 41			NOV. 41		T-7605027
CAY 52059	TBL-2		CAY 52060	TBL-2		CAY 52066	* SEE BELOW	
TRANSMITTER UNIT			TRANSMITTER UNIT			TRANSMITTER UNIT		
115 VOLTS D.C. - 175-600 KC.(CW-MCW)/			230 VOLTS D.C. (SAME AS CAY-52059			TBK-5; 115 VOLTS DC. TBK-5,6; 230 VOLTS		
2000-18,100 KC.(CW). 200 WATTS.			EXCEPT VOLTAGE).			DC. SLIGHT CHANGE IN DUMMY RESISTANCE		
						IN CONTROL CIRCUIT.		
6/4/35			5/14/36			7/16/36		OUTLINE DWG.
NOV. 41			NOV. 41			NOV. 41		T-7605027
CW- 52052	CXL		CAY 52061	TBL-2		CW- 52067	GN	
TRANSMITTER-RECTIFIER-			TRANSMITTER UNIT			1.F. TRANSMITTER UNIT		
MODULATOR UNIT.			230 VOLTS D.C. (SAME AS CAY-52059			WATTS FREQUENCY		
			EXCEPT VOLTAGE).			CW & MCW RANGE		
						85 300 TO 500 KC		
						100 500 TO 1500 KC		
						(120 VOLTS, 600 TO 800 CYCLES)		
6/17/35			5/14/36			8/10/36		ESX-610020
NOV. 41			NOV. 41			NOV. 41		
CW- 52053	GO-2		CAY 52061	TBL-2		CW- 52068	GN	
TRANSMITTER UNIT - H.F.			TRANSMITTER UNIT			H.F. TRANSMITTER UNIT		
			440 VOLTS - 3-PHASE - 60 CYCLES. (SAME			WATTS: CW & MCW, 50; PHONE, 15. FREQ.		
			AS CAY-52059 EXCEPT VOLTAGE).			RANGE: 1500 TO 9050 KC. (120 VOLTS,		
						600 TO 800 CYCLES.)		
7/24/35			5/14/36			8/10/36		ESX-610020
NOV. 41			NOV. 41			NOV. 41		
			ASSIGNED			ASSIGNED		
			ISSUED			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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CG-52069	TAJ-6		CBM 52077	QC-6a	55RE52J1011A	CBM 52085	QCB & QCB-1	55RE78J1055A
TRANSMITTER UNIT 500 WATT - 175 TO 600 KC.			DRIVER 18 KC; OPERATES FROM 440/3/60 POWER SUPPLY.			DRIVER (24 KC) SAME AS CBM-78018 (RECLASSIFIED TYPE NUMBER).		
10/14/36	AGSA1	OUTLINE P-7761546	11/18/37	720E		6/8/38	569C	
NOV. 41			NOV. 41			NOV. 41		
CAY 52070	GO-3		CG-52078	TAJ-7		CBM 52086	QCF	55RE52J1013A
TRANSMITTER - I.F. UNIT 300 TO 600 KC. OVERALL DIMENSION INCLUDING SHOCK MOUNTING: 10" WIDE, 15-1/4" DEEP, 30-1/2" HIGH; APPROX. 38 LBS.			TRANSMITTER UNIT 175 TO 600 KC, 500 WATTS NOMINAL OUTPUT.			DRIVER RECTIFIER (24 KC) SAME AS CBM-52076 EXCEPT FOR SLIGHT INCREASE IN SIZE, CHANGE IN FREQUENCY, AND IN SUB-ITEMS AS REQUIRED BY THE GOVERNING SPECIFICATIONS.		
2/24/37			2/28/38	4GSB1	P-7761898 REV 0	6/10/38	720F	CBM DWG SK-4073
NOV. 41			NOV. 41			NOV. 41		
CAY 52071	GO-3		CAY 52079	TBK-7		CBM 52087	QCA	
TRANSMITTER - H.F. UNIT 3000 TO 13,575 KC. OVERALL DIMENSION INCLUDING SHOCK MOUNTING: 10" WIDE, 15-1/4" DEEP, 30-1/2" HIGH; APPROX. 38 LBS.			TRANSMITTER UNIT FOR 440 VOLTS, 3-PHASE, 60 CYCLE POWER SUPPLY. SIMILAR TO -52064.			DRIVER RECTIFIER (24 KC) SAME AS CBM-78023 (RECLASSIFIED TYPE NUMBER).		
2/24/37			3/2/38			6/10/38	569D	
NOV. 41			NOV. 41			NOV. 41		
CRR 52072	CXT		CRR 52080	GQ		CBM 52088	QCE	55RE78J1084A
TRANSMITTER UNIT FREQ. RANGE: 300 TO 600/2800 TO 11,500 KC. POWER FROM TYPE CRR-21276 AND 12 V BATTERY.			TRANSMITTER FREQUENCY RANGE: 3000 TO 7000 KC. CRYSTAL CONTROLLED; FOUR CRYSTALS.			DRIVER RECTIFIER (24 KC) SAME AS CBM-78046 (RECLASSIFIED TYPE NUMBER).		
7/10/37	271		4/13/38		F 9423	6/11/38	720A	
NOV. 41			NOV. 41			NOV. 41		
RA-52073	XAD		CAY 52081	GP-4		CBM 52089	QCE-1	55RE78J1084A
TRANSMITTER UNIT			TRANSMITTER-RECTIFIER UNIT FREQUENCY RANGE: 350 TO 1500/3000 TO 9050 KC. CW, MCH, PHONE. NOMINAL OUTPUT 100 WATTS FOR OPERATION FROM NEA-2 POWER SUPPLY.			DRIVER RECTIFIER (18 KC) SAME AS CBM-78045 (RECLASSIFIED TYPE NUMBER).		
10/4/37			4/21/38		P-7706526 SUB 0	6/11/38	720	
NOV. 41			NOV. 41			NOV. 41		
CBM 52074	QC-7/NM-8	55RE52J1012A	CAY 52082	TBL-3		CG-52090	TBR & TBR-1	
DRIVER-RECTIFIER FREQUENCY RANGE: 17 TO 25 KC.			TRANSMITTER UNIT 175 TO 600 KC AND 2000 TO 13,100 KC. FOR 440 VOLT, 3 PHASE, 60 CYCLE POWER SUPPLY.			I.F. TRANSMITTER 300 TO 2000 KC; USES -20070 POWER UNIT.		
10/14/37	753		5/6/38			7/7/38	4G10B1	PHOTO: 522543
NOV. 41			NOV. 41			NOV. 41		
CBM 52075	NM-9	55RE52J1010A	CAY 52083	TBL-3		CG-52091	TBR-1	
DRIVER 18 KC; OPERATES FROM 115 VOLT DC USING MOTOR GENERATOR SET.			TRANSMITTER UNIT SAME AS -52082 EXCEPT FOR 230 VOLT DC SUPPLY.			H.F. TRANSMITTER: 2000 TO 18100 KC USES -20070 POWER UNIT		
10/28/37	610H		5/6/38			7/7/38	CG:4C981	PHOTO:522685
NOV. 41			NOV. 41			JUNE 42		
CBM 52076	QC-6	55RE52J1011A	CAY 52084	TBL-3		RA-52092	XAE	RA 68F 202
DRIVER 24 KC; OPERATES FROM 440/3/60 POWER SUPPLY.			TRANSMITTER UNIT SAME AS -52082 EXCEPT FOR 115 VOLT DC POWER SUPPLY.			TRANSMITTER NO REV. 110 TO 120 VOLTS 600 CYCLE OPERATION.		
11/18/37	720D		5/6/38			7/28/38		
NOV. 41			NOV. 41			NOV. 41		

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CRV 52093 TBS TRANSMITTER, RADIO; CRYSTAL CONTROLLED CONTINUOUSLY VARIABLE 60 TO 80 MC. NOMINAL OUTPUT 50 WATTS.	7/29/38 MI-8710 AUG. 42	TX-261228 REV 2	CBM 52099 QBA-1 DRIVER 14 TO 32 KC FOR ROCHELLE SALT ECHO RANGING (LISTENING) EQUIPT. SAME AS TYPE -78042 (RECLASSIFIED TYPE NUMBER)	10/4/38 598B NOV. 41		CBM 52106 QCD-1 DRIVER 22.5 TO 25.5 KC RECLASSIFIED TYPE NUMBER FOR -78040.	11/29/38 610E NOV. 41	
CRV-52093-A TBS-8 RADIO TRANSMITTER CRYSTAL CONTROLLED CONTINUOUSLY VARIABLE 60 TO 80 MC. NORMAL OUTPUT 50 WATTS. SAME AS TYPE -52093 EXCEPT (1) FOR ADDI- TION OF TUBE CLAMPS (2) R107 AND R132 CHANGED FROM GRADE 1 CLASS 2 RESISTORS TO GRADE 1 CLASS 1 MECHANICALLY AND	10/13/44 MI-8752 FEB. 45	W-302472 SUB 24	CBM 52100 QBB DRIVER 14 TO 32 KC FOR ROCHELLE SALT ECHO RANGING (LISTENING) EQUIPT. SAME AS TYPE -78009 (RECLASSIFIED TYPE NUMBER)	10/4/38 564 NOV. 41		CG-52107 GO-4 1 F TRANSMITTER UNIT 300 TO 600 KC, 125 WATTS OUPUT.	12/2/38 ML-7660713 G-1 NOV. 41	T-7660783 REV 1
CRV 52093-A ELECTRICALLY INTERCHANGEABLE WITH -52093.			CG-52101 T8C-2 EXCITER UNIT 1 KW OUTPUT.			CG-52108 GO-4 H F TRANSMITTER UNIT 3000 TO 26,500 KC, 125 WATTS OUTPUT.		
CBM 52094 NM-10 DRIVER CONTROL UNIT 17 TO 19 KC SIMILAR TO 52075 EXCEPT CONTAINS CONTROL CIRCUITS - HV FIELD RHEOSTAT. MASTER RELAY FOR POWER SUPPLY CONTROL. PROJECTOR POLARIZING CURRENT LINE FILTER.	8/9/38 769B NOV. 41	SK-3994A ALT 1	10/18/38 4C 13A1 NOV. 41			12/2/38 ML-7660712 G-1 NOV. 41		T-7660783 REV 1
CBM 52095 QCH DRIVER CONTROL UNIT 22.5 TO 25.5 KC.	8/9/38 769 NOV. 41	SK-3804A	CBM 52102 QCJ & QCK 55RE52J1018A DRIVER CONTROL UNIT WIDE RANGE TYPE 17 TO 26 KCS. (APPROX.)	11/1/38 772 NOV. 41	CBM SKETCH SK-3997A ALT 0	CBM 52109 NJ DRIVER	1/7/39 NOV. 41	
CBM 52096 QCC & QCD DRIVER 22.5 TO 25.5 KC.	8/12/38 610K NOV. 41	55RE52J1014A 19 SHEETS	CBM 52102-A * SEE BELOW 55RE52J1024 DRIVER CONTROL UNIT WIDE RANGE TYPE 17 TO 26 KC. SAME AS NAVY TYPE -52102 EXCEPT HAS POWER INDICATING PILOT LIGHT AND HERMETICALLY SEALED MULTIPLIER RESISTORS FOR THE 2 KV METER. * QCJ-1 & QCK-1 1/19/40 772A 6916 ALT 0 NOV. 41	11/22/38 MI-8809 NOV. 41		CAY 52110 GP-5 TRANSMITTER-RECTIFIER UNIT RANGE: 350 TO 1500 AND 3000 TO 9050 KC AIRCRAFT.	1/11/39 NOV. 41	
CBM 52097 NM-11 DRIVER CONTROL UNIT 17 TO 19 KC.	9/16/38 769A NOV. 41	SK-3994 ALT 0	CRV 52103 TBK-8 TRANSMITTER UNIT - CW 115 VOLTS DC; 500 WATTS AT 2000 TO 18,100 KC, 75 WATTS AT 2000 TO 9050 KC.	11/22/38 MI-8809 NOV. 41	P-717181 REV 2	CG-52111 CXAB TRANSMITTER UNIT CRYSTAL CONTROL WITH 6 CRYSTALS TO TRANSMIT ON 77.7, 77.6, 77.5, 77.4, 77.3 AND 77.2 MC. 95% MODULATION ON AMPLI- TITUDE MODULATION. FLAT BETWEEN 350 TO 3500 CYCLES, 100% MODULATION ON FREQUENCY MODULATION EQUALS 80 KC. 1/27/39 4G15A1 NOV. 41	5/13/39 DEC. 41	
CBM 52098 QBA DRIVER 14 TO 32 KC FOR ROCHELLE SALT ECHO RANGING (LISTENING) EQUIPT. SAME AS TYPE -78026. (RECLASSIFIED TYPE NUMBER)	10/4/38 598A NOV. 41		CRV 52104 TBK-8 TRANSMITTER UNIT - CW 230 VOLTS DC; 500 WATTS AT 2000 TO 18,100 KC, 75 WATTS AT 2000 TO 9050 KC.	11/22/38 MI-8809 NOV. 41	P-717181 REV 2	CDV 52112 YA TRANSMITTER UNIT 323 MC. CRYSTAL CONTROL, EMISSION A2, A3, 100 WATTS, FOR 115 V, 60 CYCLE, SINGLE PHASE OPERATION.		
			CRV 52105 TBK-8 TRANSMITTER UNIT - CW 220/440 VOLTS, 3 PHASE, 60 CYCLES; 500 WATTS AT 2000 TO 18,100 KC, 75 WATTS AT 2000 TO 9050 KC.			CG-52113 TAQ-5 TRANSMITTER UNIT FREQUENCY RANGE 175 TO 600 KC, 2 KW, NON CRYSTAL, EMISSION CW & MCW, FOR OPERATION FROM 115 VOLT DC POWER SUPPLY.		
				11/22/38 MI-8809 NOV. 41	P-717181 REV 2	3/28/39 4G16A3 NOV. 41		

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Class 52—Radio Transmitter 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
CG-52114	TAQ-5	TRANSMITTER UNIT SAME AS CG-52113 EXCEPT FOR OPERATION FROM 230 VOLT DC POWER SUPPLY.	CRR 52122	GR	TRANSMITTER UNIT FREQUENCY RANGE 3000 TO 7000 KC. NOMINAL OUTPUT 15 WATTS, PHONE.			120 VOLTS, 800 CYCLES AND 12 TO 16 VOLTS DC. 52129
3/28/39	4G16A2		8/12/39		L-71080 ALT 0			
NOV. 41			NOV. 41					
CG-52115	TAQ-5	TRANSMITTER UNIT SAME AS CG-52113 EXCEPT FOR OPERATION FROM 220/440 VOLTS, 3 PHASE, 60 CYCLES.	CAY 52123	TBU & TBU-2	TRANSMITTER UNIT FREQUENCY RANGE: 300 TO 2000 KC. NON CRYSTAL. NOMINAL OUTPUT 1 KW; CW(A1) & MCW(A2), EQUIPMENT POWER SUPPLY 230 VOLTS DC. INCLUDES A VACUUM TUBE KEYING CIRCUIT WHICH OPERATES FROM DC BUT IS NOT PROVIDED WITH A KEYER TUBE.	CG-52130	TCD	TRANSMITTER UNIT 132 TO 156 MC MCW(A2) & PHONE(A3); 15 WATT OUTPUT, POWER SUPPLY 230 VOLTS DC.
3/28/39	4G16A1		9/30/39		P-7707749 SUB 1	11/28/39	4G19A1	T-7661066 REV 2
NOV. 41			NOV. 41			NOV. 41		
CG-52116	TBA-3	TRANSMITTER UNIT FREQUENCY RANGE 4 TO 26 MC, NOMINAL OUTPUT 1 KW, CW ONLY; FOR OPERATION FROM 220 OR 440 VOLTS, 3 PHASE, 60 CYCLES.	CAY 52124	TBU & TBU-2	TRANSMITTER UNIT FREQUENCY RANGE: 300 TO 2000 KC. NON CRYSTAL. NOMINAL OUTPUT 1 KW. CW & MCW. FOR OPERATION FROM 440 VOLTS, 3 PHASE, 60 CYCLES. SIMILAR TO -52271 AS A WHOLE.	CAY 52131	TBL-5	TRANSMITTER UNIT 175 TO 600 KC AND 2000 TO 18,100 KC; EMISSION: CW(A1), MCW(A2), AND PHONE(A3). NOMINAL OUTPUT: 200 WATTS(A1), 100 WATTS(A2), 50 WATTS(A3). FOR OPERATION FROM MOTOR-GENERATOR SET FOR 115 VOLT DC SUPPLY.
4/25/39	4G13B1		9/30/39		P-7707749 SUB 1	11/29/39		T-7606332 SUB 0
NOV. 41			AUG. 42			NOV. 41		
CG-52117	GO-5	I.F. TRANSMITTER UNIT 300 TO 600 KC.	CBM 52125	NM-12	55RES2J1022	CAY 52131-A	TBL-6	RADIO TRANSMITTER 175 TO 600 KC AND 2000 TO 18100 KC. EMISSION CW(A1), MCW(A2) AND PHONE(A3). NOMINAL OUTPUT 200 WATTS(A1), 100 WATTS(A2), 50 WATTS(A3). FOR OPERATION FROM MOTOR GENERATOR FOR 115 V DC SUPPLY. SAME AS CAY-52131 EXCEPT FOR 10/7/41 T-7606332 SUB 3
6/20/39	ML-7660678					DEC. 41		
NOV. 41								
CG-52118	GO-6	H.F. TRANSMITTER UNIT 3000 TO 22,000 KC.	CAY 52126	TBK-9	TRANSMITTER UNIT 2000 TO 18,100 KC, 500/75 WATTS; CW(A1); CAPABLE OF BEING USED WITH MODULATOR UNIT FOR MCW(A2) AND PHONE(A3). FOR OPERATION FROM 115 VOLT DC SUPPLY.			SUBSTITUTION OF MN RELAYS FOR 52131-A SC RELAYS, GRADE 1, CLASS 1, RESISTORS FOR GRADE 1, CLASS 2.
6/20/39	ML-7660679		10/28/39		T-7606274 SUB 0			
NOV. 41			NOV. 41					
CAY 52119	TBW	I.F. TRANSMITTER UNIT FREQUENCY RANGE 350 TO 1000 KC, OUTPUT 100 WATTS CW, MCW, 25 WATTS FOR TELEPHONE CARRIER, FOR OPERATION FROM TYPE -20084 RECTIFIER UNIT. Ø W-7300377 REV 1, AND T-7606097 REV 1.	CAY 52127	TBK-9	TRANSMITTER UNIT SAME AS CAY-52126 EXCEPT FOR RESISTORS IN CONTROL CIRCUIT; FOR USE WITH 230 VOLTS DC SUPPLY.	CAY 52132	TBL-5	TRANSMITTER UNIT SAME AS CAY-52131 EXCEPT FOR OPERATION FROM MOTOR-GENERATOR SET FOR 230 VOLT DC SUPPLY.
7/26/39		Ø SEE ABOVE	10/28/39		T-7606274 SUB 0	11/29/39		T-7606332 SUB 0
MAR. 42			NOV. 41			NOV. 41		
CAY 52120	TBW	HIGH FREQUENCY TRANSMITTER UNIT. FREQUENCY RANGE: 3000 TO 18,100 KC. OUTPUT: 100 WATTS, CW & MCW AND 25 WATTS TELEPHONE CARRIER. FOR OPERATION FROM TYPE -20084 RECTIFIER-MODULATOR UNIT. Ø W-7300373 REV 1 & T-7606097 REV 1.	CAY 52128	TBK-9	TRANSMITTER UNIT SAME AS CAY-52126 EXCEPT FOR OPERATION FROM 220/440 VOLTS, 3 PHASE, 60 CYCLES SUPPLY.			
7/26/39		Ø SEE ABOVE	10/28/39		T-7606274 SUB 0	CAY 52132A	TBL-6	RADIO TRANSMITTER: 175 TO 600 KC AND 2000 TO 18100 KC. EMISSION 200 WATTS CW(A1), 100 WATTS MCW(A2), 50 WATTS PHONE(A3). SAME AS TYPE CAY-52132 EXCEPT FOR SUBSTITUTION OF MN RELAYS FOR SC RELAYS, AND GRADE 1 CLASS 1 RESISTORS FOR GRADE 1 CLASS 2
NOV. 41			NOV. 41			10/7/41		CAY:T-7606332 SUB 3
						APR. 42		
CBM 52121	WAA	DRIVER-RECTIFIER FREQUENCY RANGE 22.5 TO 25.5 KC. SUPPLY VOLTAGE 115 VOLT, 3 PHASE, 60 CYCLES.	CAY 52129	TCE	TRANSMITTER-RECTIFIER UNIT FREQ. BANDS: 350 TO 800/800 TO 1500/1500 TO 9050 KCS. 85/100/125 WATTS CW & MCW. 30/35/40 WATTS UNMODULATED CARRIER. CAPABLE ADDITIONALLY OF DELIVERING 50 WATTS CW, MCW OR VOICE IN 3000 TO 9050 KC BAND. OPERATES FROM 11/10/39 T-7606276 SUB 0			CAY 52132A
8/8/39	720G	CBM:SK-4387A						RESISTORS. FOR OPERATION FROM MOTOR GENERATOR SET FOR 230 VOLTS DC SUPPLY.
NOV. 41		ALT 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 52—Radio Transmitter Units

3.52-7

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
CAY 52132-B TBL-7A RADIO TRANSMITTER; SAME AS -52132-A EXCEPT HAS STEEL FRAME INSTEAD OF ALUMINUM. HAS LOSS OF ABOUT 40% OF OUTPUT AT 175KC, DIMINISHING WITH HIGHER FREQUENCY, AS COMPARED WITH REGULAR TBL-7 TRANSMITTER.	4/19/43 AUG. 43		CBN 52137 QCL-1 DRIVER CONTROL UNIT WIDE RANGE TYPE; 17 TO 26 KC. HAS AMPLIFIER COUPLING RESISTORS AND TERM- INALS FOR FREQUENCY SWEEP MODULATOR CONNECTIONS.	1/19/40 772B NOV. 41	55RE52J1020 A	CAY 52144 GO-7 H.F. TRANSMITTER UNIT FREQUENCY RANGE; 300 TO 600 KC. POWER OUTPUT; 125 WATTS CW(A1) OR MCW(A2).	3/11/40 NOV. 41	T-7606306 SUB 3
CAY 52133 TBL-5 TRANSMITTER UNIT SAME AS CAY-52131 EXCEPT FOR OPERATION FROM MOTOR-GENERATOR SET FOR 440 VOLTS, 3 PHASE, 60 CYCLE SUPPLY.	11/29/39 NOV. 41	T-7606332 SUB 0	CBM 52138 * SEE BELOW DRIVER CONTROL UNIT WIDE RANGE TYPE 17 TO 26 KC; HAS AMPLIFIER COUPLING RESISTOR AND A FREQUENCY SWEEP MODULATOR AS AN INTEGRAL PART. A1 EMISSION, OUTPUT 400 WATTS.	1/19/40 722C AUG. 42	55RE52J1021A	CAY 52145 GO-7 H.F. TRANSMITTER UNIT FREQUENCY RANGE; 3000 TO 18,100 KC. POWER OUTPUT; 3000 TO 13,575 KCS; 125 WATTS CW(A1) OR MCW(A2); 13,575 TO 18,100 KCS; 100 WATTS CW(A1) OR MCW(A2).	3/11/40 NOV. 41	T-7606306 SUB 3
RESISTORS. FOR OPERATION FROM MOTOR GENERATOR SET FOR 440/3/60.		52133-A	CRV 52139 QCL-2 & QCL DRIVER RECTIFIER; WIDE RANGE TYPE, 17 TO 26 KC. HAS INTEGRAL RECTIFIER POWER UNIT.	2/1/40 MI-8940 JUNE 42	10RE52J1027A	CBM 52146 QCE-2 DRIVER-RECTIFIER UNIT REASSIGNED NAVY TYPE NUMBER.		
CAY 52133A TBL-6 RADIO TRANSMITTER; 175 TO 600 KC AND 2000 TO 18100 KC. EMISSION 200 WATTS CW(A1), 100 WATTS MCW (A2), 50 WATTS PHONE(A3). SAME AS TYPE CAY-52133 EXCEPT FOR SUBSTITUTION OF MN RELAYS FOR SC RELAYS, AND GRADE 1 CLASS 1 RESISTORS FOR GRADE 1 CLASS 2	10/7/41 APR. 42	CAY:T-7606332 SUB 3	CG 52140 TAJ-9 TRANSMITTER UNIT: SAME AS NAVY TYPE CG-52078 EXCEPT CONTROL CIR- CUITS MODIFIED FOR OPERATION ON EITHER 4 OR 6 WIRE CONTROL, OMISSION OF FIVE SECOND TIME DELAY RELAY, USE OF IMPROVED RESISTORS AND RELOCATION OF BY-PASS CAPACITORS FOR INDICATING INSTRUMENTS.	9/18/42 MI-8940-A OCT. 42	CRV:W-303074 SUB 11	(-78046A)	3/19/40 NOV. 41	
RESISTORS. FOR OPERATION FROM MOTOR GENERATOR SET FOR 440/3/60.		CAY 52133 A	CBM 52147 WAB DRIVER CONTROL UNIT FREQUENCY RANGE 22.5 TO 25.5 KC.	7/24/40 769E AUG. 42	CRV:W-305822-2 REV 0	CBM 52148 NM-16 DRIVER-RECTIFIER UNIT FREQUENCY RANGE 17 TO 19 KC. SUPPLY VOLTAGE 440 VOLTS, 3 PHASE, 60 CYCLES.	4/10/40 769F AUG. 42	CBM DWG 6895 ALT 1
CRV 52134 YE TRANSMITTER UNIT 200 TO 250 MC, CRYSTAL SUPPLIED FOR OPERATION AT 246 MC. 50 WATT OUTPUT AT FAR END OF TRANSMISSION LINE, 80% MODU- LATED AT ANY FREQUENCY BETWEEN LIMITS OF 540 AND 830 KC; FOR OPERATION FROM 230 VOLT DC SUPPLY.	12/20/39 MI-8740A MAR. 42		CBM 52141 NM-15 DRIVER - CONTROL UNIT FREQUENCY RANGE 17 TO 19 KC.	7/24/40 769E MAR. 42	CBM SKETCH 60,003 ALT 0	CBM 52149 NM-14 DRIVER-RECTIFIER UNIT 24 (22.5 TO 25.5) KC; SUPPLY VOLTAGE 440 VOLTS, 3 PHASE, 60 CYCLES. INCLUDES A FILTER FOR POLARIZING CURRENT OF TYPE -21474 MOTOR-GENERATOR.	8/9/40 720J MAR. 44	CBM:6998 ALT 0
CRV 52135 YE TRANSMITTER UNIT SAME AS CRV-52134 EXCEPT FOR OPERATION FROM 440 VOLTS, 3 PHASE, 60 CYCLE SUPPLY.	12/20/39 MI-8740B MAR. 42		CRR 52142 TAJ-8 RADIO TRANSMITTER FREQ. RANGE; 175 TO 600 KC; OUTPUT 500 WATTS CW(A1) OR 250 WATTS MCW(A2); PRO- VIDED WITH 5 CONTROL RESISTORS FOR 230 VOLTS DC OPERATION EACH UNIT INCLUDES SHORTING LINKS FOR 4 OF THESE RESISTORS TO PERMIT OPERATION FROM 115 VOLTS DC.	3/8/40 NOV. 41	L-71383-D	CAY 52150 NM-14R DRIVER-RECTIFIER UNIT 24 (22.5 TO 25.5) KC; SUPPLY VOLTAGE 440 VOLTS, 3 PHASE, 60 CYCLES. SAME AS TYPE CBM-52149 EXCEPT FOR OMISSION OF POLAR- IZING CURRENT FILTER.	8/9/40 720K MAR. 44	CBM:6999. ALT 0
CDF 52136 GS RADIO TRANSMITTER 23 TO 28 MC, CRYSTAL CONTROL, 20 WATTS OUTPUT FOR OPERATION ON MCH(A2) AND PHONE(A3). WEIGHT 20 LBS.	1/7/40 25 WN NOV. 41	25 WN DATED 12-28-39	CRR 52143 TAJ-8 RADIO TRANSMITTER SAME AS NAVY TYPE CRR-52142 EXCEPT FOR CHANGE IN COIL FOR MASTER START RELAY AND OMISSION OF CONTROL RESISTORS TO PERMIT OPERATION FROM 220/440 VOLTS, 3 PHASE, 60 CYCLE SUPPLY.	3/8/40 NOV. 41	L-71383-D	CAY 52151 TCE-1 RADIO TRANSMITTER; PLUG-IN TUNING UNIT TYPE. POWER OUTPUT 100 WATTS A1 OR A2 AND 35 WATTS A3 WITHIN THE FREQ RANGE OF 350 TO 9050 KC. INCLUDES AN INTERNAL RECTIFIER POWER SUPPLY FOR OPERATION FROM 14 VOLTS, 2 AMPS DC AND 115/1/800, 6.6 AMPS.	8/21/42 AUG. 42	T-7606575 SUB 0

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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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CA 52151A TCE-2  
 RADIO TRANSMITTER;  
 PLUG-IN TUNING TYPE POWER OUTPUT: 100 WATTS A1 OR A2 AND 55 WATTS A3 WITHIN THE FREQUENCY RANGE OF 350 TO 9050 KC. INCLUDES AN INTERNAL RECTIFIER POWER SUPPLY FOR OPERATION FROM 14 VOLTS, 2 AMPS DC AND 115/1/800, 6.6 AMPS. SAME 6/10/42 T-7609108  
 OCT. 42 SUB 0

CAY 62151A

AS CAY-52151 EXCEPT FOR ADDITION OF A "REMOTE-LOCAL" SWITCH, TERMINAL BLOCKS, AND ENLARGEMENT OF CABLE OPENING FROM 1" TO 1-5/8". PF IS 92 TO 99% FOR CW, 85 TO 91% FOR MCW AND 94 TO 100% FOR VOICE.

CRY 52158 TBT  
 TRANSMITTER UNIT  
 FREQUENCY RANGE: 60 TO 200 MC; EMISSION: MCW(A2), PHONE(A3). NOMINAL OUTPUT: 50 WATTS. SAME AS NAVY TYPE CRY-52157 EXCEPT FOR 230 VOLT DC SUPPLY.  
 10/9/40 P-720578 SUB 0  
 NOV. 41

CRY 52159 TBT  
 TRANSMITTER UNIT  
 FREQUENCY RANGE: 60 TO 200 MC. EMISSION MCW(A2), PHONE(A3). NOMINAL OUTPUT: 50 WATTS. SAME AS NAVY TYPE CRY-52158 EXCEPT FOR 220/440 VOLT, THREE PHASE, 60 CYCLE SUPPLY.  
 10/9/40 HI-8816 P-720578 SUB 0  
 NOV. 41

CAY 52165 TAB-5  
 RADIO TRANSMITTER  
 FREQUENCY RANGE: 100 TO 555 KC; NOMINAL OUTPUT: 2 KW, CW(A1) OR 1 KW, MCW(A2); EQUIPMENT POWER SUPPLY: 220 OR 440 V, 3 PHASE, 25 CYCLES; VACUUM TUBE KEYING CIRCUIT INCLUDED.  
 10/25/40 P-7707653 SUB 1  
 NOV. 41

CAY 52166 TBK-11  
 RADIO TRANSMITTER  
 FREQUENCY RANGE: 2000 TO 9050 KC, 75 WATTS AND 2000 TO 18,100 KC, 500 WATTS. EMISSION: CW(A1) AND SUITABLE FOR MCW OR PHONE IF USED IN CONNECTION WITH A MODULATOR UNIT. EQUIPMENT POWER SUPPLY 115 VOLTS DC, SUITABLE FOR OPERATION FROM 10/25/40 P-7606274 SUB 1  
 NOV. 41

CDE 52152 YC  
 LOCALIZER TRANSMITTER  
 FREQUENCY RANGE: 300 TO 800 KCS; SUFFICIENT MCW(A2) POWER OUTPUT TO PROVIDE 300 MICROVOLTS PER METER AT 400 KC ONE MILE FROM TRANSMITTER. HAS A RECTIFIER POWER SUPPLY TO PROVIDE ALL POWER EXCEPT FINAL P.A. STAGE.  
 9/23/40 2364 ALT 0  
 NOV. 41

CG-52160 TBA-4  
 RADIO TRANSMITTER  
 FREQ. RANGE 4 TO 26 MC; CW(A1): 1 KW OUTPUT; EQUIPMENT SUPPLY 220 VOLTS, 3 PHASE, 60 CYCLES. SAME AS TYPE CG-52116 EXCEPT REVISED FOR SHORE STATION USE.  
 10/15/40 4C13B1 P-7763273 REV 0  
 NOV. 41

110 VOLTS DC, VACUUM TUBE 52166  
 KEYING CIRCUIT INCLUDED.

CDE 52153 YC  
 GLIDE PATH TRANSMITTER  
 FREQUENCY RANGE 90 TO 95 MC. INCLUDES A RECTIFIER POWER SUPPLY.  
 9/23/40 2362 ALT 0  
 NOV. 41

CRY 52161 ZC  
 TRANSMITTER UNIT  
 10/18/40 K-865147 SUB 0  
 NOV. 41

CG-52167 TAJ-10  
 RADIO TRANSMITTER UNIT  
 FREQUENCY RANGE 175 TO 600 KC. NOMINAL OUTPUT EMISSION A1 500 WATTS, A2 250 WATTS. OPERATES FROM 115/230 VOLT DC SUPPLY.  
 2/18/41 4G5D2 P-7763344 REV 0  
 NOV. 41

CDE 52154 YD  
 MARKER BEACON TRANSMITTER  
 FREQUENCY RANGE: 300 TO 800 KC; EMISSION MCW(A2) 1300 CYCLES. INCLUDES RECTIFIER -MODULATOR AND KEYING CIRCUITS.  
 9/23/40 2477 ALT 0  
 NOV. 41

CBM 52162 NJ-1 & NJ-2  
 DRIVER RECTIFIER: INPUT 115/1/60, .8 AMPS AND 60 WATTS. INCLUDES RECTIFIER TO SUPPLY DC FOR CHARGING HIGH VOLTAGE CAPACITOR KEYING CIRCUIT FOR CONTROL OF OUTPUT CIRCUIT, AND DISCHARGE CIRCUIT TO ENERGIZE TRANSMITTING PRO-Θ CBM:5798A ALT 0; CIP:10-1022 ISSUE 2 10/19/40 762C ΘSEE ABOVE  
 MAR. 43

CG 52168 TBC-4  
 EXCITER UNIT: FREQ RANGE 4 TO 26 MC. OUTPUT 1 KW. SIMILAR TO CG-52155 EXCEPT WILL OPERATE ON 50 CY. AFTER CONVERSION KIT IS INSTALLED.  
 5/28/42 4C13C3 CG:P-7765905  
 AUG. 43 REV 0

CG-52155 TBC-3  
 EXCITER UNIT  
 FREQUENCY RANGE: 4 TO 26 MC; OUTPUT 1 KW SAME AS NAVY TYPE -52101 EXCEPT FOR NEW MASTER OSCILLATOR UNIT AND IMPROVED COMPONENTS.  
 9/27/40 4C13C1 P-7762838 REV 0  
 NOV. 41

CBM 52162  
 JECTOR AT TIME OF KEYING.

CG-52168-A TBC-5  
 EXCITER UNIT;  
 FREQUENCY RANGE: 4 TO 26 MC. OUTPUT: 1KW SAME AS CG-52168 EXCEPT FOR SUBSTITUTION OF A U.S. GAUGE TYPE FOR METER FOR A G-E. TYPE FLOW METER.  
 6/21/43 CG:4C13H1 CG:P-7765905  
 AUG. 43 REV 0

RA-52156 XAM RE 13A 591A  
 DRIVER-REC-AMP-RECTIFIER  
 FREQUENCY RANGE: 14 TO 32 KC. OUTPUT: 125 WATTS. SUPPLY VOLTAGE 110 VOLTS, SINGLE PHASE, 60 CYCLES.  
 10/7/40  
 NOV. 41

CBM 52163 QCM-1.2 55RE 52J 1023  
 DRIVER CONTROL UNIT  
 FREQUENCY RANGE 22.5 TO 25.5 KC. SIMILAR TO BUT NOT INTERCHANGEABLE WITH NAVY TYPE CBM-52095. INCLUDES IMPROVED COMPONENTS.  
 10/22/40 769D CBM DWG 6970  
 NOV. 41 ALT 0, 769D

CAY 52169 \* SEE BELOW  
 RADIO TRANSMITTER  
 FREQUENCY RANGE: 2000 TO 9050 KC AT 75 WATTS AND 2000 TO 18100 KC AT 500 WATTS. EMISSION: CW(A1) AND SUITABLE FOR MCW OR PHONE OPERATION IF USED IN CONNECTION WITH A MODULATOR UNIT: EQUIPMENT POWER \* TSK-11 & TBM-6.  
 10/25/40 P-7606274  
 NOV. 41 SUB 1

CRY 52157 TBT  
 TRANSMITTER UNIT  
 FREQUENCY RANGE: 60 TO 200 MC; EMISSION: MCW(A2), PHONE(A3). NOMINAL OUTPUT: 50 WATTS; SUPPLY: 115 VOLTS DC.  
 10/9/40 P-720578 SUB 0  
 NOV. 41

CAY 52164 TAB-5  
 RADIO TRANSMITTER  
 FREQUENCY RANGE: 100 TO 555 KC; NOMINAL OUTPUT: 2 KW, CW(A1) OR 1 KW, MCW(A2); EQUIPMENT POWER SUPPLY 220 VOLTS, 3 PHASE, 60 CYCLES; VACUUM TUBE KEYING CIRCUIT INCLUDED.  
 10/25/40 P-7707653 SUB 1  
 NOV. 41

SUPPLY 220 OR 440 VOLTS, 3 52169  
 PHASE, 25 CYCLES; VACUUM TUBE KEYING CIRCUIT INCLUDED.

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

3.52-9

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
CAY 52170	* SEE BELOW		CG- 52175	CXAH		CG- 52183	TAQ-9	
RADIO TRANSMITTER			RADIO TRANSMITTER			RADIO TRANSMITTER		
FREQUENCY RANGE: 2000 TO 9050 KC AT 75 WATTS AND 2000 TO 18,100 KC AT 500 W;			FREQUENCY RANGE: 85 TO 100 MC. EMISSION MCW(A2) OR PHONE(A3); AMPLITUDE MODULATED; OUTPUT 5 WATTS.			OUTPUT: 2 KW; 1 KW. EMISSION: CW(A1); MCW(A2). FREQUENCY RANGE: 175 TO 600 KCS; 175 TO 600 KCS. EQUIPMENT SUPPLY: 220/440 VOLTS, 3 PHASE, 60 CYCLES. SIMILAR TO TYPE CG-52115.		
* TBK-11 & TBM-6.			11/13/40	P-7762916 REV 0		12/17/40	4C16D1	P-7762192 REV 8
10/25/40	P-7606274		NOV. 41			NOV. 41		
NOV. 41	SUB 1							
SUPPLY 220 VOLTS SINGLE	52170		CG- 52176	CXAO		CRV 52184	CXAX	
PHASE, 60 CYCLES OR 220 OR 440 VOLTS, 3 PHASE, 60 CYCLES; VACUUM TUBE KEYING CIRCUIT INCLUDED.			RADIO TRANSMITTER			DRIVER-RECTIFIER		
			FREQUENCY RANGE 125 TO 140 MC. EMISSION MCW(A2) OR PHONE(A3); FREQUENCY MODULATED; OUTPUT 5 WATTS.			FREQ. RANGE: 22 TO 27 KCS. RATED OUTPUT 200 WATTS. RECEIVER POWER SUPPLY OPERATES FROM 110/60/1. AND REQUIRES AN INPUT OF 150 WATTS. DELIVERS 250 VOLTS DC AT 130 MA. UNIT TAKES 1800 WATTS KEY-LOCKED.		
			11/13/40	P-7762916 REV 0		12/19/40		CRV:PX-273257
			NOV. 41			NOV. 41		REV 0
CAY 52171	TBM-5		CG- 52177	TBC-3		CG 52185	TAQ-7 & 8	
RADIO TRANSMITTER			1 KW EXCITER			RADIO TRANSMITTER; FREQ.		
FREQUENCY RANGE: 2000 TO 9050 KC AT 75 WATTS AND 2000 TO 18100 KC AT 500 WATTS; EMISSION: CW(A1) AND SUITABLE FOR MCW OR PHONE OPERATION IF USED WITH A MODULATOR UNIT; EQUIPMENT POWER SUPPLY 220 OR 440 VOLTS 3 PHASE, 60 CYCLES;			FREQUENCY RANGE: 4000 TO 26,000 KCS; CW(A1); EQUIPMENT SUPPLY: 440 VOLTS, 3 PHASE, 25 CYCLES. SIMILAR TO 52155 EXCEPT FOR POWER SUPPLY.			RANGE 175 TO 600 KC, 2 KW, NON-CRYSTAL. CW OR MCW. OPERATES FROM 220/440/3/60. SAME AS 52115 EXCEPT TEST KEY WITH MORE CONTACTS, ONE RESISTOR CHANGED, 12 POINT LINK BOARD ADDED, AND A 2 POINT TERMINAL BOARD FOR LAND LINE CONTROL UNIT.		
10/25/40	P-7606274		11/28/40	4C13C2	P-7763142 REV 0	12/20/40		
NOV. 41	SUB 1		NOV. 41			NOV. 41		
SAME AS TYPE CAY-52128 EXCEPT	52171		CRV 52178	TBL-4		CRV 52186	ZC-1	
FOR IMPROVED HEATER RELAY CIRCUIT & IMPROVED COMPONENTS.			RADIO TRANSMITTER			RADIO TRANSMITTER		
			OUTPUT: 200 WATTS; 100 WATTS. EMISSION: CW(A1); MCW(A2). FREQUENCY RANGE: 175 TO 600 KCS & 2000 TO 18,100 KCS; 175 TO 600 KCS. EQUIPMENT SUPPLY: 115 VOLTS DC.			SIMILAR TO CRV-52161 EXCEPT FOR BALLAST TUBE, WIRING, SOME DETAILS OF CONSTRUCTION AND CIRCUIT ARRANGEMENT AND IS NOT ELECTRICALLY INTERCHANGEABLE.		
			12/5/40	CRV:TT-620181		12/26/40		K-865147 SUB 0
			NOV. 43	SUB 4		NOV. 41		
CBM 52172	NBA	RE 52J 1030A	CRV 52179	TBL-4		CAY 52187	GO-8	
DRIVER - RECTIFIER			RADIO TRANSMITTER			L.F. TRANSMITTER UNIT		
DRIVER CONSISTS OF A PAIR OF 801 TUBES PUSH-PULL IN THE OSCILLATOR CIRCUIT AND A PAIR OF 801 TUBES PUSH-PULL FOR THE POWER AMPLIFIER CIRCUIT. FREQ. RANGE 17 TO 25 KCS.			OUTPUT: 200 WATTS; 100 WATTS. EMISSION: CW(A1); MCW(A2). FREQUENCY RANGE: 175 TO 600 KCS & 2000 TO 18,100 KCS; 175 TO 600 KCS. EQUIPMENT SUPPLY: 230 VOLTS DC.			FREQUENCY RANGE 300 TO 600 KCS; POWER OUTPUT 125 WATTS, CW(A1) AND MCW(A2). SIMILAR TO 52144 EXCEPT FOR 28 VOLT DC OPERATION.		
10/29/40	803	60015 ALT 0	12/5/40	CRV:TT-620181		2/10/41		T-7607180-2
MAR. 43			NOV. 43	SUB 4		NOV. 41		SUB 0
CAY 52173	GP-6		CRV 52180	TBL-4		CAY 52188	GO-8	
TRANSMITTER RECTIFIER			RADIO TRANSMITTER			H.F. TRANSMITTER UNIT		
UNIT: FREQUENCY RANGE 350 TO 1500 KC AND 3000 TO 9050 KC. SIMILAR TO -52110 EXCEPT FOR REMOTE CONTROL OPERATION ONLY AND INCLUDES A TEST KEY AND OPERATES FROM 120 VOLTS 800 CYCLES AND 12 OR 24 VOLTS DC			OUTPUT: 200 WATTS; 100 WATTS. EMISSION: CW(A1); MCW(A2). FREQUENCY RANGE: 175 TO 600 KCS & 2000 TO 18,100 KCS; 175 TO 600 KCS. EQUIPMENT SUPPLY: 250 VOLTS DC.			FREQ. RANGE: 3000 TO 13,575 KCS, POWER OUTPUT 125 WATTS, CW(A1) AND MCW(A2); 13,575 TO 18,100 KCS, POWER OUTPUT 100 WATTS, CW(A1) AND MCW(A2). SIMILAR TO 52145 EXCEPT FOR 28 VOLT DC OPERATION.		
11/9/40	CAY:P-7707625		12/5/40	CRV:TT-620181		2/10/41		T-7607180-4
JUNE 42	REV 4		NOV. 43	SUB 4		NOV. 41		SUB 0
CAY 52173A	GP-7		CRV 52181	TBL-4		CG- 52189	TAJ-10	
TRANSMITTER RECTIFIER			RADIO TRANSMITTER			RADIO TRANSMITTER UNIT		
UNIT: FREQUENCY RANGE 350 TO 9050 KC. SIMILAR TO -52173 (FOR REMOTE CONTROL OPERATION ONLY & INCLUDES TEST KEY. OPERATES FROM 120 VOLTS, 800 CYCLES AND 12 OR 24 VOLTS DC) EXCEPT THAT IT HAS A BUILT-IN NOISE SUPPRESSOR			OUTPUT: 200 WATTS; 100 WATTS. EMISSION: CW(A1); MCW(A2). FREQUENCY RANGE: 175 TO 600 KCS & 2000 TO 18,100 KCS; 175 TO 600 KCS. EQUIPMENT SUPPLY: 220 OR 440 VOLTS, 3 PHASE, 60 CYCLES.			FREQUENCY RANGE 175 TO 600 KC. NORMAL OUTPUT EMISSION A1 500 WATTS, A2 250 WATTS. FOR OPERATION FROM 220/440 VOLT, 3 PHASE, 60 CYCLE SUPPLY.		
3/17/42	CAY:P-7707625		12/5/40	CRV:TT-620181		2/18/41	4C5D1	P-7763344 REV 0
JUNE 42	REV 4		NOV. 43	SUB 4		NOV. 41		
CG- 52174	CXAF		CG- 52182	TAQ-9		CAY 52190	CXAP	
RADIO TRANSMITTER			RADIO TRANSMITTER			AIRCRAFT RADIO TRANSMITTER		
FREQUENCY RANGE: 85 TO 100 MC. EMISSION MCW(A2) OR PHONE(A3); FREQUENCY MODULATED; OUTPUT 5 WATTS.			OUTPUT: 2 KW; 1 KW. EMISSION: CW(A1); MCW(A2). FREQUENCY RANGE: 175 TO 600 KCS; 175 TO 600 KCS. EQUIPMENT SUPPLY: 115 OR 230 VOLTS DC; SIMILAR TO TYPE CG-52114.			OUTPUT: 20 WATTS; 35 WATTS; 55 WATTS. EMISSION: CW(A1), MCW(A2), PHONE(A3); MCW(A2), PHONE(A3); CW(A1). FREQUENCY RANGE: 540 TO 1500 KCS; 3000 TO 9050 KCS; 3000 TO 9050 KCS. EQUIPMENT SUPPLY 28 VOLTS DC.		
11/13/40	P-7762916 REV 0		12/17/40	4C16B3	P-7762308 REV 7	3/14/41		W-7300443 SUB 0
NOV. 41			NOV. 41			NOV. 41		
		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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NAVSHIPS 900,109

3.52-10

Class 52—Radio Transmitter 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
CBM 52101	* SEE BELOW		CG-52197	TBA-6		CRV 52204	WEA	
DRIVER-RECTIFIER 18 KC. SUPPLY 440/3/60. INCLUDES FILTER FOR POLARIZING CURRENT. IDENTICAL WITH CBM-52149 EXCEPT THAT DRIVER INTER- STAGE TRANSFORMER IS FOR 18 KC OPERA- TION. * NM-14b, NM-14c. 3/19/41 720L MAR. 44		CBM:6998 ALT 0	RADIO TRANSMITTER FREQUENCY RANGE: 4000 TO 26,000 KC. NOMINAL OUTPUT 1000 WATTS CW(A1). OPERATES FROM 220/440/3/60 SUPPLY. SIMILAR TO 52116 BUT USES BETTER RESIS- TORS, LIFTING EYES, SPARK GAP AND 3 G.E. TRANSFORMERS SUBSTITUTED FOR U.T.C. 3/31/41 4C13D1 P-7762330 REV 5 NOV. 41		DRIVER - RECTIFIER: FREQ. RANGE OF DRIVER IS 22 TO 27 KC. OUTPUT 200 WATTS. INPUT TO RECTIFIER (KEY DOWN) IS 115 VOLTS, 8 AMPS, 60 CYCLES SINGLE PHASE. OUTPUT 1500 VOLTS DC AT .5 AMP. INPUT TO DRIVER (SYSTEM TOTAL) IS 115 VOLTS, 10 AMPS, 60 CYCLES SINGLE PHASE. 4/29/41 MI-8963 W-303375-1 NOV. 41 SUB 1			
CAY 52192	CO-9		CG-52198	NMB-2		CG-52205	TCN & TCU	
I.F. RADIO TRANSMITTER UNIT. FREQUENCY RANGE: 300 TO 600 KCS. POWER OUTPUT: 125 WATTS CW(A1) OR MCW (A2). SIMILAR TO 52144 EXCEPT INCREASED INDUCTANCE IN ANTENNA LOAD COILS. 3/27/41 T-7607354 SUB 0 NOV. 41			DRIVER-RECTIFIER FREQUENCY RANGE: 17 TO 19 KC. IDENTICAL WITH -52148 EXCEPT FOR A CHANGE IN THE VOLTAGE OF THE RELAY COIL OF THE MASTER RELAY OF THE TIME DELAY RELAY PANEL ASSEMBLY, AND THE OMISSION OF THE THERMAL ELEMENT SERIES RESISTOR PER- 4/9/41 720M CBM OWG 60000 NOV. 41 ALT 1		IF RADIO TRANSMITTER FREQUENCY RANGE: 300 TO 2000 KC. OUTPUT 125 WATTS CW (A1), 30 WATTS MCW (A2); EQUIPMENT POWER SUPPLY 115 VOLTS. SINGLE PHASE, 60 CYCLES. 5/1/41 4C10C1 P-7763470 NOV. 41 REV 0			
CAY 52193	CO-9		MITTING THIS UNIT TO OPERATE 52198 FROM 220 OR 440 VOLTS AC.		CG-52206	TCM & TCN		
H.F. RADIO TRANSMITTER UNIT. FREQUENCY RANGE: 3000 TO 18,100 KCS. POWER OUTPUT: 125 WATTS CW(A1) OR MCW(A2). SIMILAR TO 52145 EXCEPT INCREASED NUMBER OF TUNING RANGES. 3/27/41 T-7607354 SUB 0 NOV. 41					HF RADIO TRANSMITTER FREQUENCY RANGE: 2000 TO 18,100 KC; OUT- PUT 125 WATTS CW (A1) OR 30 WATTS MCW (A2) OR PHONE (A3); EQUIPMENT POWER SUPPLY 115 VOLTS SINGLE PHASE, 60 CYCLES 5/1/41 4C9C1 P-7763469 REV 0 NOV. 41			
CAY-52193-A	CO-9a		RA-52199	XAO		CRM 52207	TCR	
H.F. RADIO TRANSMITTER POWER OUTPUT 125 WATTS CW(A1) OR MCW(A2). SAME AS -52193 EXCEPT FREQ. RANGE EX- TENDED BY ADDITION OF NEW TANK COIL TO 2200 TO 181000 KC. INCLUDES CAY-50178 MODULATOR FOR GENERATING RANDOM NOISE. 4/3/44 JAN. 45			RADIO TRANSMITTER FREQUENCY RANGE 132 TO 156 MC; OUTPUT 15 WATTS. MCW & PHONE. ALSO SUITABLE FOR DOUBLE MODULATION AT 175 TO 225 KC WHICH MAY BE FURTHER MODULATED BY MCW & PHONE. 4/21/41 NOV. 41		RADIO TRANSMITTER: FREQ. RANGE 2000 TO 3000 KC, CRYSTAL CONTROLLED BY 6 PRESELECTED CRYSTALS; 125 WATTS (CARRIER) MCW (A2) OR PHONE (A3). IN- CLUDES RECTIFIER POWER UNIT SUITABLE FOR OPERATION FROM 105 TO 125 OR 210 TO 250 VOLTS. SINGLE PHASE, 50 TO 60 CYCLES. 5/6/41 NOV. 41			
CG-52194	TCC		RA-52200	XAO		CBY 52208	ATA	
2 KW EXCITER FREQUENCY RANGE: 50 TO 150 KCS. OUTPUT: 2 KW, CW(A1). EQUIPMENT SUPPLY: 230 VOLTS, 3 PHASE, 60 CYCLES. 3/31/41 4C25A1 P-7976800 REV 0 NOV. 41			RADIO TRANSMITTER FREQUENCY RANGE: 132 TO 200 MC; OUTPUT 50 WATTS; MCW & PHONE; ALSO SUITABLE FOR DOUBLE MODULATION AT 175 TO 225 KC (-50082) WHICH MAY BE FURTHER MODULATED BY MCW OR PHONE. 4/21/41 NOV. 41		RADIO TRANSMITTER FREQUENCY RANGE: 3 TO 4 MC. EMISSION: CW(A1)/MCW(A2)/PHONE(A3); OUTPUT 25/12/ 8 (CARRIER) WATTS. OPERATES FROM TYPE CBY-21626 DYNAMOTOR, TAKING 0.16 AMP AT 550 VOLTS FOR PHONE AND 0.2 AMP AT 520 VOLTS FOR CW. OUTPUTS GIVEN FOR ANTENNA 5/20/41 AUG. 43			
CG-52194A	TCC-2		CG-52201	TCL		OF 5 OHMS AND 100 MMFD. 52208 SCREEN MODULATED.		
2 KW EXCITER FREQ RANGE: 50 TO 150 KC. OUTPUT: 2KW OH A1. SUPPLY: 230/3/50 OR 60. INCLUDES CONVERSION KIT TO PERMIT 50 CYCLE OP- ERATION. 1/18/43 CG:4C25A3 CG:P-7763527 SEPT 43 REV 4			FM RADIO TRANSMITTER FREQUENCY RANGE 30 TO 42 MC; CRYSTAL CONTROLLED; OUTPUT 5 WATTS; EMISSION FM HAVING A SWING OF ± 15 KC; CRYSTAL CONTROLLED. 4/21/41 4C95A1 GE1:13620A APR. 42 PAGE 8					
CG-52195	TBA-6		CBM 52202	CXAY		CBY 52209	ATA	
RADIO TRANSMITTER FREQUENCY RANGE: 4000 TO 26,000 KC. NOMINAL OUTPUT 1000 WATTS CW(A1). OPERATES FROM 115 VOLT DC SUPPLY. 3/31/41 4C13D3 P-7762330 REV 5 NOV. 41			DRIVER-RECTIFIER TUNING RANGE: 36 TO 48 KILOCYCLES. OUTPUT: 400 WATTS APPROX. RECTIFIER SUPPLIES 1250 VOLTS DC AND 600 VOLTS DC. BIAS RECTIFIER SUPPLIES 100 VOLTS DC. 4/21/41 821 CBM:SK-4636A NOV. 41 ALT 0		RADIO TRANSMITTER FREQUENCY RANGE: 4 TO 5.3 MC. EMISSION: CW(A1)/MCW(A2)/PHONE(A3); OUTPUT 30/15/ 10 (CARRIER) WATTS. OPERATES FROM TYPE CBY-21626 DYNAMOTOR, TAKING 0.16 AMP AT 550 VOLTS FOR PHONE, AND 0.2 AMP AT 520 VOLTS FOR CW. OUTPUTS GIVEN FOR ANTENNA 5/20/41 5010-4-A AUG. 43			
CG-52196	TBA-6		CRV 52203	NMB-1		OF 5 OHMS AND 100 MMFD. 52209 SCREEN MODULATED.		
RADIO TRANSMITTER FREQUENCY RANGE: 4000 TO 26,000 KC. NOMINAL OUTPUT 1000 WATTS CW(A1). OPERATES FROM 230 VOLT DC SUPPLY. 3/31/41 4C13D2 P-7762330 REV 5 NOV. 41			DRIVER - RECTIFIER FREQUENCY RANGE: 16 TO 20 KC. DRIVER OUTPUT IMPEDANCE 100 OHMS. OUTPUT POWER 400 WATTS. (CW) 4/25/41 W-303332-3 NOV. 41 SUB 0					

Class 52—Radio Transmitter Units

3.52-11

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
CBY 52210 ATA RADIO TRANSMITTER FREQUENCY RANGE: 5.5 TO 7.0 MC. EMISSION: CW(A1)/MCW(A2)/PHONE(A3); OUTPUT 36/18/12 (CARRIER) WATTS. OPER- ATES FROM TYPE CBY-21626 DYNAMOTOR, TAKING 0.16 AMP AT 550 VOLTS FOR PHONE, AND 0.2 AMP AT 520 VOLTS FOR CW. 5/20/41 AUG. 43		5011-4-A	CG-52215 TCK RADIO TRANSMITTER; FREQUENCY RANGE 2000 TO 18100 KC, 400 WATTS CW(A1) 100 WATTS PHONE (A3). EQUIPMENT POWER SUPPLY 230 VOLTS DC 6/5/41 JUNE 42	CG:4G22A3	CG:P-7763603-1 REV 3	CDE 52219 YC-1 LOCALIZER TRANSMITTER FREQ. RANGE: 300 TO 800 KC. SUFFICIENT MCW POWER OUTPUT TO PROVIDE 300 MICRO- VOLTS PER METER AT 400 KC AT ONE MILE FROM TRANSMITTER. HAS A RECTIFIER POWER SUPPLY TO PROVIDE ALL POWER EXCEPT FOR FINAL PA STAGE. SAME AS -52152 EXCEPT 7/18/41 NOV. 41		2564 REV 0
OUTPUTS GIVEN FOR ANTENNA OF 52210 5 OHMS & 100 MHFD. SCREEN MODULATED.		52210	CG-52215-A TCK-3 RADIO TRANSMITTER; FREQ RANGE: 2000 TO 18100KC. POWER OUTPUT 400 WATTS, A1, AND 100 WATTS, A3. EQUIPMENT SUPPLY 230 V DC. SAME IN CG- 52215 EXCEPT FOR SLIGHT CHANGE IN CERAMIC COIL FORMS AND INCORPORATION OF MICROPHONE CIRCUIT FILTER. 4/12/43 AUG. 43	CG:4G22B-3	CG:P-7763603 REV 7	MINOR CHANGES IN LOCATION AND SELECTION OF COMPONENTS. 52219		
CBY 52211 ATA RADIO TRANSMITTER FREQUENCY RANGE: 7.0 TO 9.1 MC. EMISSION: CW(A1)/MCW(A2)/PHONE(A3); OUTPUT: 40/20/13 (CARRIER) WATTS. OPER- ATES FROM TYPE CBY-21626 DYNAMOTOR, TAK- ING 0.16 A AT 550 V FOR PHONE, AND 0.2 AMP AT 520 VOLTS FOR CW. OUTPUTS 5/20/41 AUG. 43		5012-4-A	CG-52216 TCK RADIO TRANSMITTER; FREQUENCY RANGE 2000 TO 18100 KC, 400 WATTS CW(A1) 100 WATTS, PHONE (A3). EQUIPMENT POWER SUPPLY 220 OR 440/3/60 6/5/41 JUNE 42	CG:4G22A1	CG:P-7763503-1 REV 3	CDE 52220 YC-1 GLIDE PATH TRANSMITTER FREQ RANGE 90 TO 95 MC. NOMINAL POWER OUTPUT 250 WATTS MCW. HAS BUILT IN RECTIFIER POWER SUPPLY TO OPERATE FROM 115/1/60, 17.8 AMPS. SAME AS CDE-52123 EXCEPT FOR MINOR CHANGES IN LOCATION & SELECTION OF COMPONENTS. 7/18/43 NOV. 43		CDE:2362 REV 0
GIVEN FOR ANTENNA OF 5 OHMS AND 100 MHFD. SCREEN MODULATED. 52211		52211	CG-52216-A TCK-2 RADIO TRANSMITTER; FREQ RANGE: 2000 TO 18100KC; 400 WATTS CW(A1), 100 WATTS PHONE (A3). EQUIPMENT POWER SUPPLY 220 OR 440/3/60. SAME AS -52216 EXCEPT INCLUDES MICROPHONE CIRCUIT FILTER. 2/18/42 AUG. 43	CG:4G22B1		CDE 52220-A YC-2 GLIDE PATH TRANSMITTER; FREQ. RANGE: 90 TO 95 MC. INCLUDES A RECTIFIER POWER SUPPLY. SAME AS CDE-52220 EXCEPT USES A DIFFERENT TIME DELAY RELAY (CAY-39069) WHICH HAS DIF- FERENT MOUNTING DIMENSIONS. RELAYS AND ENTIRE UNITS ARE OTHERWISE ELECTRICALLY 2/9/43 AUG. 43		CDE:2362 REV 0
CBY 52212 ATA RADIO TRANSMITTER RACK HOLDS TWO TRANSMITTERS (52209/52209/ 52210/52211). HAS RECEPTACLES FOR INTER- CONNECTING CABLES TO ANTENNA, MODULATOR, AND RECEIVER RACK. 5/20/41 MAR. 42		5020-3-B 7977-4-A	CG-52216-B TCK-1 RADIO TRANSMITTER; FREQ RANGE: 2000 TO 18100KC, 400 WATTS CW(A1), 100 WATTS A3. POWER SUPPLY 115/1/60. SAME AS BASIC NUMBER EXCEPT HEATERS, ETC. ARE SUPPLIED DIRECTLY FROM LINE INSTEAD OF THROUGH ISOLATING TRANS- FORMER & POWER SUPPLY. 4/5/43 AUG. 43	CG:4G22A7	CG:P-7763603-1 REV 7	CDE 52220-A AND MECHANICALLY INTERCHANGEABLE.		
CBY 52213 ATA RADIO TRANSMITTER MOUNTING PROVIDES ANTI-SHOCK MOUNTING FOR TWO TRANSMITTERS (52208/52209/52210/52211) WHEN THEY ARE MOUNTED ON RACK (52212). 5/20/41 MAR. 42		7062-2-A 7977-4-A	CAY 52217 TBM-7 RADIO TRANSMITTER FREQUENCY RANGE 2000 TO 9050 KC AT 75 WATTS AND 2000 TO 18,100 KC AT 500 WATTS. EMISSION CW(A1) AND SUITABLE FOR MCW OR PHONE OPERATION IF USED WITH A MODULATOR. EQUIPMENT POWER SUPPLY 115 VOLTS DC. SAME AS CAY-52166 EXCEPT THAT 7/11/41 NOV. 41	P-7606539 SUB 1		CDE 52221 YD-1 MARKER BEACON TRANSMITTER FREQ. RANGE: 300 TO 800 KC. EMISSION: MCW, 1300 CYCLES. INCLUDES A RECTIFIER- MODULATOR AND KEYING CIRCUITS. SAME AS -52124 EXCEPT FOR MINOR CHANGES IN LOCA- TION AND SELECTION OF COMPONENTS. 7/18/41 NOV. 41		2477 REV 0
CG-52214 TCK RADIO TRANSMITTER; FREQUENCY RANGE 2000 TO 18100 KC, 400 WATTS CW(A1), 100 WATTS PHONE (A3). EQUIPMENT POWER SUPPLY 115 VOLTS DC 6/5/41 JUNE 42		CG:P-7763603-1 REV 3	NO VACUUM TUBE KEYING IS INCLUDED. 52217			CAY 52222 TBU-2 RADIO TRANSMITTER FREQUENCY RANGE 300 TO 2000 KC. OUTPUT 1 KW, CW(A1) OR MCW(A2). EQUIPMENT POWER SUPPLY 115 VOLTS DC. 7/21/41 NOV. 41		P-7707749 SUB 1
CG-52214-A TCK-3 RADIO TRANSMITTER; FREQ RANGE: 2000 TO 18100KC. POWER OUT- PUT 400 WATTS, A1, AND 100 WATTS, A3. EQUIPMENT SUPPLY 115 V DC. SAME AS CG-52214 EXCEPT FOR SLIGHT CHANGE IN CERAMIC COIL FORMS & INCORPORATION OF MICROPHONE CIRCUIT FILTER. 4/12/43 AUG. 43		CG:P-7763603 REV 7	CAY 52218 TBM-7 RADIO TRANSMITTER; FREQ. RANGE 2000 TO 9050 KC AT 75 WATTS AND 2000 TO 18,100 KC AT 500 WATTS. EMISSION CW(A1) AND SUITABLE FOR MCW OR PHONE OPERATION IF USED WITH A MODULATOR. EQUIPMENT POWER SUPPLY 230 VOLTS DC. NO VACUUM TUBE KEYING IS INCLUDED. 7/11/41 NOV. 41	P-7606539 SUB 1		CAY 52223 TBU-1 RADIO TRANSMITTER FREQUENCY RANGE 300 TO 2000 KC. OUTPUT 1 KW, CW(A1) OR MCW(A2). EQUIPMENT POWER SUPPLY 220/3/60. SIMILAR TO -52272 AS A WHOLE. 7/21/41 AUG. 42		P-7707749 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

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 52224	TBU-3		CNR 52230			CRY 52235	YE-1	
RADIO TRANSMITTER FREQUENCY RANGE 300 TO 2000 KC. OUTPUT 1 KW. CW(A1) OR MCW(A2). EQUIPMENT POWER SUPPLY 220/3/25.			FREQUENCY AND CHARACTERISTICS OF ANTENNA USED. INCLUDES 10 PRESELECTED CRYSTALS. PROVIDED WITH A CRYSTAL MICROPHONE AND CABLE.			RADIO TRANSMITTER 200 TO 250 MC. CRYSTAL SUPPLIED FOR OPERATION AT 246 MC. 50 WATT OUTPUT AT FAR END OF TRANSMISSION LINE, 80% MODULATED AT ANY FREQUENCY BETWEEN LIMITS OF 540 & 830 KC. FOR OPERATION FROM 220 OR 440 V 3 PHASE, 60 CYCLE SUPPLY. SAME 12/11/41 MI-8740D, E T-620184 REV 2 APR. 42		
7/21/41		P-7707749 SUB 1						
NOV. 41								
CAY 52225	TBU-3		CRY 52231	AYA,-1		AS CRY-52234 EXCEPT FOR	CRY 52235	
RADIO TRANSMITTER FREQUENCY RANGE 300 TO 2000 KC. OUPUT 1 KW. CW(A1) OR MCW(A2). EQUIPMENT POWER SUPPLY 440/3/25.			AIRCRAFT RADIO TRANSMITTER: SIMILAR TO CRY-52186 (ZC-1) EXCEPT FOR MINOR CIRCUIT AND DESIGN REFINEMENTS. NOT INTERCHANGEABLE WITH -52186. INPUT 6 MA AT 1800 VOLTS DC, 70 MA AT 300 V DC AND 12 TO 14 V DC AT 6.5 AMPS OR 24 TO 28.6 V DC AT 3.25 AMPS. FREQUENCY RANGE 9/29/41 866676-501 P-721124 SUB 3 MAR. 43			VOLTAGE SUPPLY.		
7/21/41		P-7707749 SUB 1						
NOV. 41								
CBM 52226	NJ-3			CRY 52231				
DRIVER-RECTIFIER INCLUDES A RECTIFIER TO SUPPLY DC FOR CHARGING THE HIGH VOLTAGE CAPACITOR (2 MFD), KEYING CIRCUIT FOR CONTROL OF OUTPUT CIRCUIT, AND DISCHARGE CIRCUIT TO ENERGIZE TRANSMITTING PROJECTOR AT TIME OF KEYING. SIMILAR TO -52162 EXCEPT			500 ± 1.25 MC. NO PROVISIONS MADE FOR ALTERING THE FREQUENCY DURING FLIGHT.			EMERGENCY RADIO TRANSMITTER: 500 KC. 5 WATTS (A2). PROVIDES FOR AUTOMATIC KEYING OF EITHER OF TWO DISTRESS SIGNALS OR LONG DASHES TO PERMIT THE TAKING OF BEARINGS BY RESCUE VESSELS OR HAND KEYING. CONTAINS A VIBRATOR POWER SUPPLY CARRYING CASE OF 15/20/41 168A D/S M-1556-1A OCT. 42		
8/5/41	836	SK-4894, ALT 1						
NOV. 41								
			CBY 52232	ATA				
OUTPUT IS 5 TIMES AS GREAT. CAPACITOR IS TWICE AS LARGE AND USES NEWER TYPE TUBES. INPUT 70 WATTS AT 115 V, 60 CYCLES, SINGLE PHASE.			RADIO TRANSMITTER: FREQ. RANGE 2.1 TO 3 MC. EMISSION CW(A1)/MCW(A2)/PHONE(A3). OUTPUT 12/6/4 WATTS. OPERATES FROM TYPE CBY-21626 DYNAMOTOR TAKING .16 A AT 550 V FOR PHONE AND .2 AMP AT 520 V FOR CW. OUTPUT GIVEN FOR ANTENNA OF 5 OHMS AND 100 MMFD. SCREEN 11/12/41 AUG. 43			CFT 52236 SUITABLY PROTECTED LAMINATED WOOD WHICH ALSO CONTAINS ANTENNA EQUIPMENT & A 6 V 20 AMP HOUR STORAGE BATTERY WHICH WILL PROVIDE 20 HOURS OF 3 MINUTE TRANSMISSIONS EACH 1/2 HOUR.		
CAY 52227	TBU-1			CBY 52232				
RADIO TRANSMITTER FREQUENCY RANGE 300 TO 2000 KC. NON-CRYSTAL. NOMINAL OUTPUT 1 KW. CW(A1) & MCW(A2). EQUIPMENT POWER SUPPLY 230 V DC. INCLUDES A CONTROL CIRCUIT WHICH OPERATES FROM 60 CYCLES AC AND IS PROVIDED WITH A KEYS TUBE.			MODULATED.			CFT 52236-A TCY-1 RC-1368-14B RADIO TRANSMITTER SAME AS BASIC NUMBER EXCEPT (1) HAS ROUND CORNERS, LIGHTER WEIGHT AND GREATER MECHANICAL STRENGTH (2) A 6J5 METAL TUBE SUBSTITUTED FOR 6CS VACUUM TUBE.		
8/9/41		P-7707749 SUB 1						
NOV. 41								
CC-52228	TCX			CRY 52233	ATB			
RADIO TRANSMITTER FREQUENCY RANGE 1500 TO 12,000 KC. CONTINUOUSLY VARIABLE OR FOR CRYSTAL CONTROL IN ANY OF 4 PRESELECTED CRYSTALS, 36 WATTS CW(A1) OR 9 WATTS PHONE(A3).			AIRCRAFT RADIO TRANSMITTER: INPUT: 28 VOLTS. OUTPUT: DEPENDS ON ANTENNA AND RANGES FROM 3.5 TO 25 WATTS CW AND FROM 2.8 TO 20 WATTS MCW AND VOICE. FREQ. RANGE 2.3 TO 9.05 MC. TYPES OF EMISSION: CW, MCW AND VOICE. PERCENT MODULATION IS 75% MCW AND 95%			7/14/43 168C NOV. 43		
8/11/41	4G27A1	P-7763764-1						
DEC. 41		REV 11						
CC-52229	TCG-1			CRY 52233				
2 KW EXCITER FREQUENCY RANGE 50 TO 150 KC. OUTPUT 2 KW, CW(A1). EQUIPMENT POWER SUPPLY 440 V 3 PHASE 25 CYCLES.			MODULATION CAPACITY VOICE.			CAY 52238 TBW-2 RADIO TRANSMITTER: FREQUENCY RANGE 350 TO 1000 KC. OUTPUT 100 WATTS CW, MCW, 25 WATTS FOR TELEPHONE CARRIER. FOR OPERATION FROM TYPE -20084 RECTIFIER MODULATOR UNIT. SAME AS TYPE -52119 EXCEPT WATER-TIGHT CASE IS 3/16" WIDER		
8/11/41	4G25A2	P-7765527 REV 0						
NOV. 41								
CNR 52230	ML,-1			CRY 52234	YE-1			
RADIO TRANSMITTER: FREQ RANGE 2000 TO 3000 KC (CRYSTAL CONTROLLED ONLY). INPUT 32/500 VOLTS, 1.77-.36 AMPS. OUTPUT 65 WATTS(A1), 65 WATTS(A3) UNMODULATED, 97.5 WATTS FULLY MODULATED WITH SINE WAVE MODULATION. OUTPUT VOLTAGE AND CURRENT VARIABLE DEPENDING ON			TRANSMITTER RADIO: 200 TO 250 MC. CRYSTAL SUPPLIED FOR OPERATION AT 246 MC, 50 WATT OUTPUT AT FAR END OF TRANSMISSION LINE, 80% MODULATED AT ANY FREQUENCY BETWEEN LIMITS OF 540 AND 830 KC. FOR OPERATION FROM 230 VOLTS DC. SIMILAR TO TYPE -CRY-52134. 12/11/41 MI-8740 C CRY:T-620184 APR. 42 REV 2			CAY 52239 TBW-2 RADIO TRANSMITTER: FREQ RANGE 3 TO 18.1 MC. OUTPUT 100 W CW & MCW, 25 W. TELEPHONE CARRIER. OPERATES FROM -20084 RECTIFIER MODULATOR UNIT. SAME AS -52120 EXCEPT DIAL C DOUBLER RANGE SWITCH HAS BEEN CHANGED FROM 3 TO 5 TAPS & DOUBLER TANK COIL HAS ADDED		
9/24/41	395-B	395B17-3						
MAR. 43								

Class 52—Radio Transmitter Units

3.52-13

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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TAPS FOR THIS SWITCH. CAY 52239  
DIAL E INTERMEDIATE AMPLIFIER RANGE SWITCH HAS BEEN CHANGED FROM 4 TO 5 TAPS AND I.A. TANK COIL HAS ADDED TAP FOR THIS SWITCH. FREQ RANGE FOR EACH TAP HAS BEEN ADDED TO DIALS C & E. POWER AMPLIFIER DIAL HAS APPROX OUTPUT FREQ SHOWN INSTEAD OF ARBITRARY NUMBERS. ACTUAL OSCILLATOR FREQ HAS BEEN ADDED TO OSCILLATOR RANGE SWITCH (DIAL A).

CG 52240 TAJ-11  
RADIO TRANSMITTER:  
FREQUENCY RANGE 175 TO 600 KC, NOMINAL OUTPUT 500 WATTS (A1), 250 WATTS (A2). EQUIPMENT SUPPLY 115/230 VOLTS DC.

2/27/42 CG:4G5E2 CG:P-7764333  
NOV. 43 REV 5

CG-52240-A TAJ-19  
RADIO TRANSMITTER  
FREQ RANGE: 175 TO 600 KC POWER SUPPLY: 115 OR 230V DC. SAME AS 52240 EXCEPT USES DIFFERENT RELAY RESET SWITCH.

10/11/43 4G5F1 CG:P-7764333  
NOV. 43 REV 4

CG 52241 \*SEE BELOW  
RADIO TRANSMITTER:  
FREQUENCY RANGE 175 TO 600 KC, NOMINAL OUTPUT 500 WATTS (A1), 250 WATTS (A2). EQUIPMENT SUPPLY 220/440 3 PHASE, 60 CYCLES.

\*TAJ-11 & TAJ-13  
2/27/42 CG:4G5E1 CG:P-7764333  
NOV. 43 REV 5

CG-52241-A TAJ-19  
RADIO TRANSMITTER  
FREQ RANGE: 175 TO 600 KC POWER SUPPLY: 220 OR 440V AC SAME AS TYPE -52241 EXCEPT USES DIFFERENT RELAY RESET SWITCH.

10/11/43 4G5F2 CG:P-7764333  
NOV. 43 REV 4

CG 52242 TCJ  
RADIO TRANSMITTER:  
FREQUENCY RANGE 300 TO 600 KC, NOMINAL OUTPUT 400 WATTS (A1), 200 WATTS (A2). EQUIPMENT SUPPLY 115 VOLTS DC.

2/27/42 4G23A5 CG:P-7764008  
NOV. 43 P1 REV 8

CG 52243 TCJ-1  
RADIO TRANSMITTER:  
FREQUENCY RANGE 300 TO 600 KC, NOMINAL OUTPUT 400 WATTS (A1), 200 WATTS (A2). EQUIPMENT SUPPLY 220 OR 440/3/60.

2/27/42 4G23A7 CG:P-7764008  
NOV. 43 P1 REV 8

CRV 52244 YG  
RADIO TRANSMITTER:  
TRANSMITTER UNIT HAS BUILT-IN RECTIFIER UNIT.

3/2/42  
APR. 42

COL 52245 TCS-1,2,3,4  
RADIO TRANSMITTER:  
FREQUENCY RANGE: 1500 TO 12000 KC, NOMINAL OUTPUT: 10 WATTS ON (A3) PHONE, 25 WATTS ON (A1) CW. OPERATES FROM DYNAMOTOR ASSEMBLY. NAVY TYPE COL-21770 OR MOTOR GENERATOR ASSEMBLIES NAVY TYPES COL-21774, COL-21775, COL-21776 OR COL-3/18/42 56Q-1, CABINET COL:235E-2 AUG. 42 49R-1

21777. POWER SUPPLY COL52245  
REQUIRED 12/220/400 VOLTS,  
27.0/6.6/72.0 WATTS, 2.25/.03/.180 AMPS DC

52245-A TCS-6  
RADIO TRANSMITTER:  
FREQ RANGE: 1500 TO 12000KC. INPUT: 12/220/400 VOLTS, 27.0/6.6/72.0 WATTS, 2.25/0.03/0.18 AMPS DC. OUTPUT: 10.0 WATTS A3, 25.0 WATTS A1. SAME AS BASIC NUMBER EXCEPT FOR SUBSTITUTION OF COLD \*CKP:56Q-1, C1H:49R-1, CHZ:MA-1049 5/18/43 \*SEE ABOVE COL:235E-2 NOV. 43

52245-A  
ROLLED STEEL FOR STAINLESS STEEL IN SOME PARTS AND TYPE OF SOLDER TERMINALS USED ON RESISTOR BOARD.

COL 52245-B YC-3  
RADIO TRANSMITTER  
FREQ RANGE 1.5 TO 12 MC, 15 WATTS OUTPUT A2, A3. INPUT 400V DC AT 190 MA, 12V AC AT 2.5A, 12V DC AT 0.3 AMPS FROM NAVY TYPE CDE-20245 LOCALIZER RECTIFIER-MODULATOR. INCLUDES SHOCK-PROOF MOUNTING. SAME AS -52245 EXCEPT HAS STANDOFF 10/6/43 COL:56Q-1 PLUS COL:235E-2 MAR. 44 D2428

COL 52245-B  
INSULATORS ON TOP, SIMILAR TO -52327 EXCEPT FOR HI POWER OUTPUT BY USING ALL TUBES, SLIGHT CHANGE IN CIRCUIT AND THIS UNIT IS SHOCK MOUNTED.

52246 TDC  
RADIO TRANSMITTER:  
FREQUENCY 72.2 MC, 100 MILLIWATTS OUTPUT (1CW), MODULATED BY SIGNALS FROM 10 TO 200 CYCLES. POWER SUPPLY 90/3 VOLT BATTERY. INCLUDES PRESSURE CONTROLLED SWITCHING UNIT (WHICH OPERATES FROM 25 TO 1050 MILLIBARS), TEMPERATURE AND 3/20/42 APR. 42

52246  
HUMIDITY UNIT (WHICH ENABLES THE MEASURE MENT OF +40° TO -80° C TEMP. 5 TO 100% HUMIDITY). ENCLOSED CASE

CJF 52246-A TDC-1  
RADIO TRANSMITTER:  
ELECTRICALLY AND MECHANICALLY INTER-CHANGEABLE AS A WHOLE WITH BASIC NUMBER BUT USES A COMPOSITION TYPE ELEMENT INSTEAD OF AN ELECTROLYTIC TUBE FOR TEMPERATURE DEVICE-STURDIER THAN ORIGINAL TYPE, AND LESS SUSCEPTABLE TO BREAKAGE. 3/29/43 AUG. 43

CAY 52247 TBL-7  
RADIO TRANSMITTER:  
175 TO 600 KC AND 2000 TO 18100 KC, NOMINAL OUTPUT 200 WATTS (A1), 100 WATTS (A2), 50 WATTS (A3). FOR OPERATION FROM MOTOR GENERATOR SET FOR 115 VOLTS DC SUPPLY. SAME AS TYPE -52131 EXCEPT FOR SUBSTITUTION OF MN RELAYS FOR SC RELAYS. 3/22/42 CAY:T-7606332 JUNE 42 SUB 4

CAY 52247  
GRADE I CLASS I RESISTORS FOR GRADE I CLASS II RESISTORS, TYPE -24104A SWITCH FOR TYPE -24104, TYPE CAY-30300 AUDIO OSCILLATOR TRANSFORMER FOR TYPE CAY-30332A, AND A NUMBER OF IMPROVEMENTS HAVE BEEN MADE IN MECHANICAL DETAILS

CAY 52248 TBL-7  
RADIO TRANSMITTER:  
175 TO 600 KC AND 2000 TO 18100 KC, NOMINAL OUTPUT 200 WATTS (A1), 100 WATTS (A2), 50 WATTS (A3). FOR OPERATION FROM MOTOR GENERATOR SET FOR 230 VOLTS DC SUPPLY. SAME AS TYPE -52132 EXCEPT FOR SUBSTITUTION OF MN RELAYS FOR SC RELAYS. 3/22/42 CAY:T-7606332 JUNE 42 SUB 4

CAY 52248  
GRADE I CLASS I RESISTORS FOR GRADE I CLASS II RESISTORS, TYPE -24104A SWITCH FOR TYPE -24104, TYPE CAY-30300 AUDIO OSCILLATOR TRANSFORMER FOR TYPE CAY-30332A, AND A NUMBER OF IMPROVEMENTS HAVE BEEN MADE IN THE MECHANICAL DETAILS.

CAY 52249 TBL-7  
RADIO TRANSMITTER:  
175 TO 600 KC AND 2000 TO 18100 KC, NOMINAL OUTPUT 200 WATTS (A1), 100 WATTS (A2), 50 WATTS (A3), FOR OPERATION FROM MOTOR GENERATOR SET FOR 440/1/60. SAME AS TYPE -52133 EXCEPT FOR SUBSTITUTION OF MN RELAYS FOR SC RELAYS, GRADE I 3/22/42 CAY:T-7606332 MAR. 43 SUB 4

CAY 52249  
CLASS I RESISTORS FOR GRADE I CLASS II RESISTORS, TYPE -24104A SWITCH FOR TYPE -24104, TYPE CAY-30300 AUDIO OSCILLATOR TRANSFORMER FOR TYPE CAY-30332A, AND A NUMBER OF IMPROVEMENTS HAVE BEEN MADE IN THE MECHANICAL DETAILS

CIA 52250 JM-1  
RADIO TRANSMITTER:  
FM TRANSMITTER, 70 TO 80 MC, WITH SNEEP FREQUENCY OF ± 75 KC ± 15%. POWER SUPPLY 7.5/300 VOLT BATTERY.

4/1/42  
NOV. 43:

CKD:05538.1  
REV. 6

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

3.52-14

Class 52—Radio Transmitter 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
CIA 52250-A	JM-1, JM-3, JM-4		CM 52255			CRR 52260	TAJ-12	
<p>RADIO TRANSMITTER: FM TRANSMITTER. FREQUENCY RANGE: 70 TO 90 MC WITH SWEEP FREQUENCY <math>\pm 75</math> KC <math>\pm 15\%</math>. SUPPLY: 7.5 &amp; 300 VOLTS DC. SAME AS BASIC NUMBER EXCEPT FOR ELIMINATION OF ONE TUBE AND OTHER MINOR CIRCUIT CHANGES</p> <p>8/5/43 NOV. 43</p>			<p>ANCE 70 OHMS. CONTAINS A DIODE RECTIFIER TYPE MONITOR TO DEMODULATE A PORTION OF OUTPUT WHICH MAY BE FED BACK TO THE OPERATING POSITION AND A METER TO INDICATE WHETHER CARRIER IS OFF OR ON. OPERATES FROM TYPE CW-20143 RECTIFIER POWER UNIT.</p>			<p>RADIO TRANSMITTER: FREQ. RANGE: 175 TO 600 KC. OUTPUT 500 WATTS CW(A1) OR 250 WATTS MCH(A2). OPERATES FROM 220/440 VOLTS, 3 PHASE, 60 CYCLE SUPPLY, SIMILAR TO -52143 EXCEPT FOR SUBSTITUTION AND IMPROVEMENT IN COMPONENTS</p> <p>4/23/42 JUNE 42</p> <p>CRR:L73262 SUB 0</p>		
CBM 52251	WCA		CBM 52256	WEA-2		CRM 52261	TDF	
<p>DRIVER CONTROL UNIT: FREQUENCY RANGE 22.5 TO 25.5 KC. OUTPUT 400 WATTS A1. SIMILAR TO CBM-52163. INPUT 120/1/60, 75 DC, 625 DC, 1250 DC VOLTS AND 3/14, 15/6.7 AMPS.</p>			<p>DRIVER CONTROL UNIT: FREQUENCY RANGE: 24.8 TO 25.2 KC. NORMAL OUTPUT: 400 WATTS</p>			<p>RADIO TRANSMITTER: FREQ. RANGE: 2 TO 9.4 MC. CRYSTAL CONTROLLED ON 6 PRESELECTED FREQUENCIES. 125 WATTS A1, A2 OR A3. INCLUDES A RECTIFIER POWER UNIT SUITABLE FOR OPERATION FROM 105 TO 125 OR 210 TO 250 VOLTS, SINGLE PHASE, 50 TO 60 CYCLES.</p> <p>4/29/42 MAR. 43</p> <p>CRM:T-1191 SUB 1</p>		
4/5/42	769G	CBM:SK-4969	4/16/42	CBM:769H	CBM:60,136	4/29/42		
MAR. 43		ALT 3	MAR. 43		ALT 0			
CBM 52252	WCA		CG-52257	TCJ		CRV 52262	YE-1	
<p>DRIVER RECTIFIER: FREQ RANGE 14 TO 32 KC. OUTPUT 14/70 WATTS A2. EMPLOYS A NEW CIRCUIT PROVIDING AN OUTPUT FREQUENCY WHICH TRACKS WITH THE CBM-46165 RECEIVER-AMPLIFIER. TUNING ACCOMPLISHED BY HETERODYNING THE OUTPUT OF THE RECEIVER-AMPLIFIER FIRST</p> <p>4/5/42 803A CBM:60094 MAR. 43 ALT 1</p>			<p>RADIO TRANSMITTER: FREQUENCY RANGE: 300 TO 600 KC. NOMINAL OUTPUT 400 WATTS (A1) 200 WATTS (A2). EQUIPMENT SUPPLY 230 VOLTS DC, SAME AS CG-52242 EXCEPT FOR INPUT VOLTAGE</p>			<p>RADIO TRANSMITTER: FREQ. RANGE 200 TO 250 MC. CRYSTAL SUPPLIED FOR OPERATION AT 246 MC. OUTPUT: 50 WATTS A2, 80X MODULATED AT ANY FREQ. BETWEEN LIMITS OF 540 AND 830 KC. FOR OPERATION FROM 115 VOLTS DC.</p>		
			4/16/42	CG:4623A6	CG:P-7764008	4/30/42		
			AUG. 43		REV 6	JUNE 42		
		CBM52252	CCI 52258	TDD		CFT 52263	YA-1	
<p>OSCILLATOR AND A FIXED 60 KC OSCILLATOR OF THE DRIVER. INPUT 120/1/60, 3 AMPS, 288 WATTS.</p>			<p>RADIO TRANSMITTER: FREQUENCY RANGE: 200 TO 550 KC. CARRIER OUTPUT 15 WATTS, EMISSION A3. OPERATES FROM 110/1/60</p>			<p>RADIO TRANSMITTER: FREQ RANGE 200 TO 550 KC. OUTPUT 133 WATTS A2 OR A3 INPUT 100 TO 125/1/50 TO 60, 20 AMPS, 2000 WATTS.</p>		
			4/10/42		CCI:127AA 3,18	5/7/42	CFT:174A	CFT:F32258-14C
			AUG. 43			NOV. 43		
CRR 52253	ATD		CCI 52258-A	TDD-2		CFT 52263-A	YA-2	
<p>AIRCRAFT RADIO TRANSMITTER: FOR USE WITH PLUG IN TUNING UNITS: 4 CHANNEL, 50 WATTS A1 OR 40 WATTS A2, A3</p>			<p>RADIO TRANSMITTER: FREQ RANGE: 200 TO 550 KC. CARRIER OUTPUT 15 WATTS. EMISSION: A3; OPERATES FROM 110/1/60. SAME AS -52258 EXCEPT HAS ROUND PANEL METERS INSTEAD OF SQUARE.</p>			<p>RADIO TRANSMITTER: FREQ RANGE: 200 TO 550 KC. INPUT: 100-125/1/60, 20 AMPS, 2000 WATTS. OUTPUT: 133 WATTS A2 OR A3. SAME AS BASIC NUMBER EXCEPT EMPLOYS MICA CAPACITORS AND METER IN ACCORDANCE WITH AMERICAN WAR STANDARD AND GLASS ENCLOSED VACUUM TUBES INSTEAD</p> <p>11/5/43 174B CFT:F-32258-14C NOV. 43</p>		
4/9/42		CRR:N-905968	1/19/44	127AA	CCI:127AA-T-501			
JUNE 42			MAR. 44					
CID 52254	TCL-2		CCI-52258-B	TDD-3				CFT 52263-A
<p>RADIO TRANSMITTER: FM TRANSMITTER. FREQUENCY RANGE 30 TO 42 MC. INPUT 110 VOLTS 60 CY. 1-1 AMPS AC 100 WATTS, OUTPUT 5 WATTS. FREQUENCY SWING 15 KC WITH A MODULATION FREQUENCY OF 1000 CYCLES AND 20 KC FOR 3000 CYCLES THE OUTPUT OF THE TRANSMITTER TO MATCH</p> <p>4/10/42 CID:GFX-1 CID:A-1002 MAR. 43</p>			<p>RADIO TRANSMITTER: FREQUENCY RANGE 200 TO 550 KC. CARRIER OUTPUT 15 WATTS. EMISSION A3. OPERATES FROM 110/1/60. SAME AS TYPE -52258-A EXCEPT A RESISTOR IS ADDED TO PERMIT ADJUSTMENT OF THE BIAS FOR THE FINAL AMPLIFIER TUBES.</p> <p>3/14/45 127AA 127AA-T-501 APR. 45 REV. B</p>			<p>OF METAL. ALSO CRYSTAL HOLDER REDESIGNED.</p>		
A 72 OHM TRANSMISSION LINE		CID52254	CRR 52259	TAJ-12		CHQ 52264	JM-2	
<p></p>			<p>RADIO TRANSMITTER: FREQUENCY RANGE: 175 TO 600 KC. OUTPUT, 500 WATTS CW(A1) OR 250 WATTS MCH(A2), PROVIDED WITH 5 CONTROL RESISTORS FOR 230 VOLTS DC OPERATION. EACH UNIT INCLUDES SHORTING LINKS FOR 4 OF THESE RESISTORS TO PERMIT OPERATION FROM 115</p> <p>4/23/42 CRR:L73262 JUNE 42 SUB 0</p>			<p>RADIO TRANSMITTER UNIT: FREQ. RANGE: 70 TO 90 MC. EMISSION: FM. MAX. SWING 75 KC, 6 WATTS CARRIER. OPERATES FROM A 7-1/2 VOLT "A" BATTERY FOR FILAMENTS AND A 300 VOLT BATTERY FOR PLATES.</p> <p>6/11/42 JUNE 42</p>		
CBM 52255	TQG				CRR52259	CBM 52265	Q3E, QBE-1	
<p>RADIO TRANSMITTER: FREQ. RANGE: 132 TO 156 MCS. CRYSTAL CONTROLLED ON ONE FREQ. IN THIS BAND, CRYSTAL FREQ. IS 1/24 OF THE CARRIER FREQ. OUTPUT: 12 WATTS MAX., AUDIO INPUT OF 1000 CYCLES AT 20 DB BELOW 1 MILLIWATT GIVES COMPLETE MODULATION. LOAD IMPED-</p> <p>4/13/42 CW:D-150417 OCT. 42</p>			<p>VOLTS DC. SIMILAR TO -52142 EXCEPT FOR SUBSTITUTION AND IMPROVEMENT IN COMPONENTS</p>			<p>DRIVER-RECTIFIER: FREQ. RANGE: 18 TO 25 KC. OUTPUT: 30 WATTS (APPROX), A1. OPERATES FROM 115/1/60, 1.4 AMPS.</p>		
			5/20/42	CBM:895		5/20/42	CBM:895	CBM:SK-5248
			OCT. 42			OCT. 42		ALT 1



Class 52—Radio Transmitter Units

3.52-15

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
CRV 52266	AYA-2 & AYA-3		CRM52269			CTV 52276	CXBU	
AIRCRAFT RADIO TRANSMITTER (REASSIGNED T-47/ART-13); FREQUENCY RANGE 500 TO 1.25 MC INPUT 6.5/3.25 AMPS AT 12/24 VOLTS DC, 70 MA AT 300 VOLTS DC AND 6 MA AT 1800 VOLTS DC. SAME AS CRV-52231 EXCEPT FOR FITTINGS WHICH PROVIDE FOR SOLID DIELECTRIC TRANSMISSION 5/26/42 MAR. 44			APPROX 30 WATTS. USES A FULL WAVE SELF RECTIFIED RF OSCILLATOR IN A HIGH C TANK CIRCUIT, WHICH IS INDUCTIVELY COUPLED TO ANTENNA. FREQ CONTROL (±.3%) SIMPLE OSCILLATOR TANK CIRCUIT, DESIGNED TO OPERATE INTO ANTENNA 500 TO 1500 MMF AND 2 TO 10 OHMS RESISTANCE. RUBBER SHOCK MOUNTED.			RADIO TRANSMITTER: FREQ RANGE 2 TO 4.2 MC. 2-CHANNEL, CRYSTAL CONTROLLED WITH CRYSTALS OF 2436 KC AND 4105 KC. 5 WATTS POWER OUTPUT, A3. OPERATES ON 6 VOLT DC FROM BUILT-IN VIBROPACK.		
						7/27/42 MAR. 43		
LINE.	CRV52266		CGA 52270	ATH		CCI 52277	CXBU-1	
			RADIO TRANSMITTER: FREQ RANGE 79 TO 102 KC. OUTPUT .24 WATT CARRIER. A2 EMISSION. OPERATES FROM 67-1/2 VOLT AND 1.4 VOLT DC SELF CONTAINED BATTERIES.			RADIO TRANSMITTER: FREQ RANGE 2 TO 4.2 MC. 2-CHANNEL, CRYSTAL CONTROLLED WITH CRYSTALS OF 2436 KC AND 4105 KC. 5 WATTS POWER OUTPUT A3. OPERATES ON 6 VOLTS DC FROM BUILT-IN DYNAMOTOR.		
			7/17/42 AUG. 42	821B1, 821B2		7/27/42 AUG. 42		
			CBM 52271	QCS.QCT	55RE52J1034A	CCI 52278	CXBU-1	
CAY 52267	TDE		RADIO TRANSMITTER: FREQ RANGE 300 TO 1500/1500 TO 18100 KC. MAX OUTPUT 125/35/30 WATTS A1/A2/A3 AT 3000 8000 AND 12,000 KC. MINIMUM OUTPUT 75/20/18 WATTS AT 1500 KC. OPERATES FROM CAY-21848, CAY-21849 OR CAY-21850 POWER SUPPLY. CAN BE CONNECTED TO OPERATE FROM 6/13/42 M-7403264-C-1 T-7608991 SUB 0 OCT. 42			RADIO TRANSMITTER: FREQ RANGE 2 TO 4.2 MC. 2-CHANNEL, CRYSTAL CONTROLLED WITH CRYSTALS OF 2436 KC AND 4105 KC. 5 WATTS POWER OUTPUT, A3. OPERATES ON 6 VOLTS DC FROM BUILT-IN VIBROPACK. SAME AS -52277 EXCEPT FOR POWER SUPPLY.		
			DRIVER-RECTIFIER: FREQ RANGE 17 TO 26 KC. OUTPUT APPROX 600 WATTS A1. INCLUDES A FREQUENCY SWEEP MODULATOR AS PART OF DRIVER. RECTIFIER OPERATES FROM 440/3/60, 2 KW.			7/27/42 AUG. 42		
			10/8/42 MAR. 44	832C	CBM:50194 ALT 0			
			CAY 52272	TBU-4		CG 52279	TAQ-10	
			RADIO TRANSMITTER: FREQ RANGE 300 TO 2000 KC. NOMINAL OUTPUT 1 KW. A1 OR A2. SAME AS CAY-52223 EXCEPT FOR NUMEROUS MINOR INTERNAL CHANGES. OPERATES WITH FOUR WIRE CONTROL CIRCUITS, SIX WIRE CONTROL IS NOT USED.			RADIO TRANSMITTER: FREQUENCY RANGE 175 TO 600 KC. NOMINAL OUTPUT 2/1 KW. A1/A2. FOR OPERATION FROM 220/440/3/60. SAME AS CG-52183 EXCEPT FOR NUMEROUS INTERNAL CHANGES. INPUT: 220/440 VAC. -115/500/1250/2500VDC AT 5.5/2.75/1.96/0.55/0.32/0.98 AMPS.		
			7/18/42 AUG. 43		P-7708958 SUB 0	8/6/42 AUG. 43	4G16C1 P-7764844 REV 0	
			CAY 52273	TAB-6		CG 52280	TBA-8	
			RADIO TRANSMITTER: FREQ RANGE 100 TO 555 KC. NOMINAL OUTPUT 2/1 KW. A1/A2. EQUIPMENT POWER SUPPLY 220/3/60. INCLUDES VACUUM TUBE KEYING CIRCUIT. SAME AS CAY-52164 EXCEPT FOR NUMEROUS MINOR INTERNAL CHANGES. INPUT 220/1/60 AC/2300C/1000DC/2300 DC			RADIO TRANSMITTER: FREQUENCY RANGE 4 TO 26 MC. NOMINAL OUTPUT 1 KW. A1. FOR OPERATION FROM 220/440/3/50 TO 60. FREQUENCY CONTROL MO. SIMILAR TO CG-52197 EXCEPT FOR NUMEROUS INTERNAL CHANGES. INPUT: 220/440 VAC. -115/750/2250VDC AT 2.7/1.35/0.9/0.125/0.8/0.42 AMPS.		
			7/18/42 MAR. 43		P-7707862 SUB 1	8/6/42 AUG. 43	4G13C4 P-7764853 REV 3	
			CAY 52273			CG-52280		
			VOLTS AT 4.5/1.5/3/1.13 AMPS.			2.3 AMPS.		
			CIP 52268	QBC		CG-52280-A	TBA-11	
			DRIVER-RECTIFIER: FREQUENCY RANGE 10 TO 50 KC. OUTPUT 300 WATTS A1. OPERATES FROM 110/1/60.			RADIO TRANSMITTER SAME AS BASIC NUMBER EXCEPT FOR INCREASING THE VALUE OF CAPACITANCE IN THE MO COMPENSATOR UNIT AND ADDING A RHEOSTAT IN THE MO UNIT TO FACILITATE BETTER ADJUSTMENT OF COMPENSATOR.		
			6/24/42 AUG. 42			11/12/43 NOV. 43	4G13E5 P-7764853 REV 4	
			CRM 52269	TDK		CG 52281	TDA-9	
			RADIO TRANSMITTER UNIT: FREQ RANGE 375 TO 500 KC (300 TO 600 METERS). INPUT 8 VOLTS, 10 AMPS DC, 1500 VOLTS (TAPPED 750/750), 1.5 AMPS, 350 CY SINGLE PHASE. OUTPUT 50 WATTS ANTENNA CIRCUIT POWER (A2) "NET" ANTENNA POWER INTO STANDARD 4 OHM, 750 MMF ANTENNA			RADIO TRANSMITTER: FREQUENCY RANGE 4 TO 26 MC. NOMINAL OUTPUT 1 KW. A1. FOR OPERATION FROM 220/440/3/60. FREQUENCY CONTROL CRYSTAL. INPUT: 220/440 VAC. 115/500/1250/2500 VDC AT 5.5/2.75/1.96/0.55/0.32/0.98 AMPS. SEE CG-52301, WHICH IS SAME		
			6/24/42 AUG. 43	ET-8003	CRM:TS-327 SUB 2	8/6/42 AUG. 43	4G13F1 4G13F2 P-7764853 REV 3	
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

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-52281			CET 52285 NJ-8			CBM 52288-A		
EXCEPT FOR 50-			DRIVER-RECTIFIER: FREQ 14.25 KC. CAPACITOR DISCHARGE TYPE POWER INPUT 115/1/60, 2.05 AMPS, 150 WATTS.			115/1/60. SAME AS BASIC NUMBER EXCEPT FOR (2) CHANGES IN INTERNAL WIRING.		
			9/3/42 CIP:ES-1049 NOV. 43		CIP:ID-1041 ISSUE 3			
CG-52281-A TBA-12.13			COL 52286 ATC			CNR 52289 HL-3		
RADIO TRANSMITTER: SAME AS BASIC NUMBER EXCEPT FOR INCREASING THE VALUE OF CAPACITANCE IN THE HO COMPENSATOR UNIT AND ADDING A RHEOSTAT IN THE HO UNIT TO FACILITATE BETTER ADJUSTMENT OF COMPENSATOR.			RADIO TRANSMITTER: FREQ. RANGE 200 TO 1500 KC & 2000 TO 18100 KC IN 10 CHANNEL QUICK SHIFT. OUTPUT 100 WATTS NOMINAL A1,A2,A3. INPUT: 28/400/1150 VOLTS, 9.0/0.3/0.275 AMPS DC. HAS CRYSTAL CALIBRATOR; NOT CRYSTAL CONTROLLED. TO OPERATE IN TEMP. RANGE OF 10/2/42 17H-2 DEC. 44			RADIO TRANSMITTER: FREQ RANGE: 2000 TO 3000 KC (CRYSTAL CONTROLLED ONLY.) INPUT: 32/500 V 1.7/0.36 AMP. OUTPUT: 65 WATTS (A1), 65 WATTS (A3) UNMODULATED, 97.5 WATTS FULLY MODULATED WITH SINE WAVE MODULATION. INCLUDES 10 PRESELECTED CRYSTALS. 12/21/42 CIR:3958M JUNE 43		
11/12/43 4G15F2 NOV. 43		P-7764853 REV 4						
CG 52282 TBA-10			COL 52286			CBM 52289		
RADIO TRANSMITTER: FREQ RANGE 4 TO 26 MC. NOMINAL OUTPUT 1 KW, A1. FOR OPERATION FROM 220/440/3/60. SIMILAR TO CG-52192 EXCEPT (1) HAS DIFFERENT TEST KEY, (2) TERMINAL AND LINK BOARDS HAVE BEEN ADDED, (3) WIRING CHANGED TO ACCOMMODATE LAND LINE CONTROL 8/7/42 4C13D1 AUG. 42			-40°C TO +50°C, MAX HUMIDITY 95%. TO WITHSTAND ACCELERATION OF 10G. WT. 66 LBS. SAME AS T-47/ART-13.			PROVIDED WITH CRYSTAL MIKE AND CABLE. SAME AS TYPE -52289 EXCEPT FOR POSITION OF AMMETER AND TRANSMITTER HEIGHT.		
			*SHEETS 1 & 2 OF DATA FORM SHEET 17H-2					
CG 52282			COL-52286-A TCZ-1			CBM 52290 QBE-2		
UNIT, (4) OTHER MINOR INTERNAL CHANGES.			RADIO TRANSMITTER SAME AS NAVY TYPE COL-52286 EXCEPT IT HAS A HIGHER AUDIO OUTPUT LEVEL AND IT OVERCOMES ARCING AT HIGH ALTITUDES WITH THE USE OF A DIFFERENT CHOKE SHORTING RELAY.			DRIVER-RECTIFIER: FREQ RANGE: 18 TO 25KC. OUTPUT: 70 WATTS. THIS UNIT IS A MASTER OSCILLATOR POWER AMPLIFIER CONSISTING OF AN OSCILLATOR, A BUFFER STAGE, AN OUTPUT STAGE, A 1600 V PLATE SUPPLY, A 300 V PLATE SUPPLY, A 100 V GRID BIAS SUPPLY AND A MAGNETIC 1/12/43 CBM:895A JULY 43		
			10/5/44 17 H 2 NOV. 44		K-351E-6	CBM:5K-5488 ALT 0		
			CDE 52287			CBM 52290		
			*SEE BELOW CONTROL RADIO TRANSMITTER:			SWEEP FREQUENCY MODULATOR.		
			*NOs-67369 FOR USE WITH Y8 10/6/42 CDE:1043 AUG. 43					
CTJ 52283 TDM			CBM 52288 NJ-9			COL 52291 TDH		
RADIO TRANSMITTER: OUTPUT 15 WATTS A2. INPUT 310 VDC/175 MA, 385 VDC/85 MA AND 6.3 VAC/3.2 AMPS AT 60 CY. FREQ RANGE 2500 TO 5500 KC. THREE CRYSTALS SUPPLIED WITH FREQUENCIES OF 3130, 3135.5 AND 5072.5 KC PER SECOND.			DRIVER-RECTIFIER: INCLUDES A RECTIFIER TO SUPPLY DC FOR CHARGING THE HIGH VOLTAGE CAPACITOR (2 MFD) KEYING CIRCUIT FOR CONTROL OF OUTPUT CIRCUIT AND DISCHARGE CIRCUIT TO ENERGIZE THE TRANSMITTING PROJECTOR AT TIME OF KEYING. INPUT: 70 WATTS AT 115 V 12/15/42 CBM:8366 JUNE 43			RADIO TRANSMITTER: FREQ RANGE: 2000 TO 18,100KC. SUPPLIES 3000 W. AT 2000 TO 12,000KC AND 2500 W. AT 12,000 TO 18,100KC INTO 300 OHM NON-INDUCTIVE RESISTIVE LOAD. INPUT 230/3/50-60, 115/1/50-60 & DC SUPPLIES. UNIT ALSO INCLUDES ANTENNA MATCHING NETWORK. 1/20/43 COL:1016-5 NOV. 43		
8/8/42 MCX-2B15 MAR. 43		ST-2100				COL:425E REV 0		
CTJ-52283-A TDM-1			CBM 52288			CPK 52292 QBC-1, QBD		
RADIO TRANSMITTER NOMINAL OUTPUT 15 WATTS, A2. INPUT: 310V DC/175 MA, 385V DC/85.0 MA AND 6.3V AC/3.2 AMPS AT 60 CYCLES. FREQUENCY RANGE 2500 TO 5500 KC. THREE CRYSTALS SUPPLIED WITH FREQUENCIES OF 3130, 3135.5 AND 5072.5 KC PER SECOND. SAME 9/27/44 CJF:A-46112 MAY 45			SINGLE PHASE 60 CYCLES. SAME AS CBM-52286 EXCEPT THE HOUSING IS STEEL. THE ANTI-VIBRATION MOUNTINGS ARE BUILT INTO THE CASE, AND THE INTERNAL COMPONENT PARTS ARE REARRANGED.			DRIVER: INPUT: 115/1/60, 1.0 KW. OUTPUT: 250 WATTS MAX AT 10 TO 50 KC. CONSISTS OF AN OSCILLATOR SECTION, A MIXER, AN RF AMPLIFIER STAGE AND A POWER OUTPUT STAGE PLUS NECESSARY POWER SUPPLIES.		
						2/5/43 JULY 43		
			CBM 52288-A NJ-7			CG-52293 TAJ-17		
			DRIVER-RECTIFIER INCLUDES A RECTIFIER TO SUPPLY DC FOR CHANGING THE HIGH VOLTAGE CAPACITOR (2 MFD) KEYING CIRCUIT FOR CONTROL OF OUTPUT CIRCUIT AND DISCHARGE CIRCUIT TO ENERGIZE THE TRANSMITTING PROJECTOR AT TIME OF KEYING. INPUT: 70 WATTS AT 115 V 4/12/43 836C NOV. 43			RADIO TRANSMITTER: FREQUENCY RANGE: 175 TO 600KC. NOMINAL OUTPUT: 375 WATTS ON A1, 190 WATTS ON A2. SUPPLY 220/440/3/50. SAME AS CG-52241 EXCEPT FOR TUBE LIFE METER WHICH IS FOR 50 CYCLE OPERATION.		
						2/15/43 CG:4G5E1 NOV. 433		CG:T-7764333 REV 5
52284 CXBZ								
RADIO TRANSMITTER: FREQUENCY RANGE 540 TO 850 KC. OPERATES FROM 115/1/60. POWER OUTPUT (A-3) 5 WATTS.								
8/14/42 AUG. 42								

Class 52—Radio Transmitter Units

3.52-17

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
CFT 52294 TDN RADIO TRANSMITTER; FREQ RANGE: 2 TO 5.16 MC. PA INPUT: 4250 V. 0.94 AMP DC. OUTPUT: 3KW A1 EMISSION.	3/1/43 JUNE 43	CFT:F-21539-14	CG-52301 TBA-13 RADIO TRANSMITTER; FREQUENCY RANGE: 4 TO 26 MC. NOMINAL OUTPUT 1KW. A1. FOR OPERATION FROM 50 CYCLES. SAME AS TYPE CG-52281 EXCEPT OPERATES FROM 50 CYCLE POWER SUPPLY.	4/28/43 AUG. 43	CG:P-7764928 REV 0	CBY 52309 ATA-3 AIRCRAFT RADIO TRANS- MITTER: FREQ. RANGE 7.0 TO 9.1 MC. EMISSION A1, A2, A3. OPERATES FROM NAVY TYPE CBY-21626 DYNAMOTOR PLATE PLUS SCREEN GRID MODULATED.	4/29/43 JUNE 43	
CFT 52295 TDN RADIO TRANSMITTER; FREQ RANGE: 5 TO 13MC. PA INPUT: 4250 V. 0.94 AMP DC. OUTPUT: 3KW. A1 EMISSION.	3/1/43 JUNE 43	CFT:F-21539-14	CBY 52302 ATA-3 AIRCRAFT RADIO TRANS- MITTER: FREQ. RANGE 0.5 TO 0.8 MC. EMISSION A1, A2, A3. OPERATES FROM NAVY TYPE CBY-21626 DYNAMOTOR. PLATE PLUS SCREEN GRID MODULATED.	4/29/43 JUNE 43		CBY 52310 ATA-3 RADIO TRANSMITTER RACK: HOLDS ONE AIRCRAFT RADIO TRANSMITTER. (ONE OF TYPES CBY-52302 TO CBY-52309 INCLUSIVE)	4/29/43 JUNE 43	
CFT 52296 TDN RADIO TRANSMITTER; FREQ RANGE: 13 TO 20 MC. PA INPUT: 4250 VOLTS. 0.94 AMP DC. OUTPUT: 3KW A1 EMIS- SION.	3/1/43 JUN 43	CFT:F21539-14	CBY 52303 ATA-3 AIRCRAFT RADIO TRANS- MITTER: FREQ. RANGE 0.8 TO 1.3 MC. EMISSION A1, A2, A3. OPERATES FROM NAVY TYPE CBY-21626 DYNAMOTOR. PLATE PLUS SCREEN GRID MODULATED.	4/29/43 JUNE 43		CBY 52311 ATA-3 RADIO TRANSMITTER RACK: HOLDS TWO AIRCRAFT RADIO TRANSMITTERS. (ANY TWO OF TYPES CBY-52302 TO CBY-52309 INCLUSIVE)	4/29/43 JUNE 43	
COL 52297 TCC-4 RADIO TRANSMITTER; FREQUENCY RANGE 2000 TO 18100 KCS. RATED 1000 WATTS A1, 600 WATTS A2 AND A3. CRYSTAL CONTROLLED, 10 CHANNEL, QUICK SHIFT. INPUT 230 V. 3 PHASE, 50 TO 60 CYCLES, 15 AMP. P.F. APPROX. 85%. WEIGHT 1640 POUNDS.	3/19/43 JUNE 43	COL:D-3628	CBY 52304 ATA-3 AIRCRAFT RADIO TRANS- MITTER: FREQ. RANGE 1.3 TO 2.1 MC. EMIS- SION A1, A2, A3. OPERATES FROM NAVY TYPE CBY-21626 DYNAMOTOR. PLATE PLUS SCREEN GRID MODULATED.	4/29/43 JUNE 43		CBY 52312 ATA RADIO TRANSMITTER RACK: HOLDS ONE AIRCRAFT RADIO TRANSMITTER (ONE OF -52208/-52209/-52210/-52211/- 52252)	4/29/43 JUNE 43	
CBM 52298 QCP-1 DRIVER-RECTIFIER; FREQ RANGE: 15 TO 30 KC. INPUT:115/1/60. OUTPUT: 600 WATTS A1.	3/27/43 JUNE 43	CBM:SK-5502 ALT 0	CBY 52305 ATA-3 AIRCRAFT RADIO TRANS- MITTER: FREQ. RANGE 2.1 TO 3.0 MC. EMISSION A1, A2, A3. OPERATES FROM NAVY TYPE CBY-21626 DYNAMOTOR PLATE & SCREEN GRID MODULATED.	4/29/43 JUNE 43		CBY 52313 ATA-3 RADIO TRANSMITTER MOUNTING: PROVIDES ANTI-SHOCK MOUNTING FOR ONE AIRCRAFT RADIO TRANSMITTER (ONE OF CBY-52302 TO CBY-52309 INCLUSIVE) WHEN THE TRANSMITTER IS MOUNTED ON TYPE CBY-52310 RACK.	4/29/43 JUNE 43	
CG-52299 TCC-4 RADIO TRANSMITTER; FREQ RANGE: 2000 TO 18,100 KC. RATED 400 WATTS CW (A1), 100 WATTS PHONE (A3). INCLUDES MICROPHONE CIRCUIT FILTER. SAME AS -52216-A EXCEPT (1) REDESIGN OF TOP OF TRANSMITTER TO PROVIDE FOR MOUNT- ING A TRANSMISSION LINE COUPLING UNIT, 4/15/43 CG:4G22C1 JUNE 43	CG:1-7662914 REV 0		CBY 52306 ATA-3 AIRCRAFT RADIO TRANS- MITTER: FREQ. RANGE 3.0 TO 4.0 MC. EMISSION A1, A2, A3. OPERATES FROM NAVY TYPE CBY-21626 DYNAMOTOR PLATE PLUS SCREEN GRID MODULATED.	4/29/43 JUNE 43		CFT 52314 YL RADIO TRANSMITTER: SAME AS -52244 EXCEPT FOR CHANGES AND ADDITIONS TO INTERNAL WIRING TO PROVIDE FOR FEEDING IN MODULATION.	5/14/43 SEPT 43	CFT:RA-1774-14 CFT:RA-1874-14C
CG-52299 (2) REMOVAL OF FIELD RHEOSTATS AND RESISTORS, (3) CHANGE IN TERMINAL BOX TO PROVIDE CABLE CONNECTIONS BETWEEN TRANSMITTER AND RECTIFIER, (4) TRANS- FORMERS OPERATE ON 50 OR 60 CYCLES, AND (5) OTHER SMALL CHANGES.			CBY 52307 ATA-3 AIRCRAFT RADIO TRANS- MITTER: FREQ RANGE 4.0 TO 5.3 MC. EMISSION A1, A2, A3. OPERATES FROM NAVY TYPE CBY-21626 DYNAMOTOR PLATE PLUS SCREEN GRID MODULATED.	4/29/43 JUNE 43		CG-52315 TBC-5 EXCITER UNIT: FREQ RANGE: 4 TO 26MC. OUTPUT: 1KW. SAME AS CG-52168-A EXCEPT FOR CHANGE IN ONE COIL AND 2 TUBE LIFE METERS TO PERMIT OPERATION FROM 50 CYCLE SUPPLY.	5/21/43 SEPT 43	
CFT 52300 *SEE BELOW RADIO TRANSMITTER; FREQUENCY RANGE: 1.5 TO 22MC. OPERATES FROM INTERNAL BATTERIES. INCLUDES INTEGRAL ROD TYPE ANTENNA AS RADIATOR. USED AS TARGET FOR DAQ EQUIPMENT.	*ACCESSORY FOR DAQ 4/21/43 CFT:178-A JUNE 43	RF-519-1A	CBY 52308 ATA-3 AIRCRAFT RADIO TRANS- MITTER: FREQ. RANGE 5.3 TO 7.0 MC. EMISSION A1, A2, A3. OPERATES FROM NAVY TYPE CBY-21626 DYNAMOTOR PLATE PLUS SCREEN GRID MODULATED.	4/29/43 JUNE 43		CBM 52316 NMC-1 DRIVER RECTIFIER: CONSISTS OF A PUSH-PULL MASTER OSCILLA- TOR-POWER AMPLIFIER, BIAS RECTIFIER, AND PLATE RECTIFIER. FREQ RANGE: 17 TO 19KC. POWER OUTPUT: 400 WATTS. INPUT: 115/1/60. 10 AMPS.	5/22/43 SEPT 43	CBM:938A CBM:SK-5588 ALT 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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CBM-52316-A HMC-2  
DRIVER RECTIFIER  
CONSISTS OF A PUSH-FULL MASTER OSCILLATOR-POWER AMPLIFIER, BIAS RECTIFIER, AND PLATE RECTIFIER. FREQ. RANGE: 17 TO 19 KC. POWER OUTPUT: 400 WATTS. INPUT: 115/1760, 10 AMPS. SAME AS TYPE -52316 EXCEPT HAS AMERICAN WAR STANDARD COMPOSITION RESISTORS, DELETES RUBBER PARTS & HAS OTHER MINOR MODIFICATION.

RA-52317 XBZ  
RADIO TRANSMITTER:  
FREQ RANGE 246 (239 TO 250) MC. A-2 EMISSION OPERATES FROM 6V DC. HAS BUILT IN 6V. BATTERY AND VIBRATOR POWER SUPPLY.

6/19/43  
SEPT 43

COL 52318 TDD  
RADIO TRANSMITTER:  
FREQ RANGE: 2.0 TO 18.1 MC. INPUT: 115 OR 230/1750 OR 60, 1600 WATTS, 0.85 PF. OUTPUT: 250 WATTS A2 OR A3; 400 WATTS A1. MAY BE OPERATED ON ANY ONE OF TEN PRESET FREQUENCIES SELECTED AUTOMATICALLY, EITHER LOCALLY OR AT A REMOTE POINT. 6/22/43. COL:16F-8 COL:1933B  
SEPT 43

6/19/43  
SEPT 43

COL 52318 TDD  
RADIO TRANSMITTER:  
FREQ RANGE: 2.0 TO 18.1 MC. INPUT: 115 OR 230/1750 OR 60, 1600 WATTS, 0.85 PF. OUTPUT: 250 WATTS A2 OR A3; 400 WATTS A1. MAY BE OPERATED ON ANY ONE OF TEN PRESET FREQUENCIES SELECTED AUTOMATICALLY, EITHER LOCALLY OR AT A REMOTE POINT. 6/22/43. COL:16F-8 COL:1933B  
SEPT 43

COL 52318  
INCLUDES SELF CONTAINED POWER SUPPLY AND MODULATOR.

CEJ 52319 TDU  
EXCITER AMPLIFIER UNIT:  
RF UNIT. FREQ 2 TO 22 MC. A-1 EMISSION. 15 KW FROM 2 TO 12 MC. 12.5 KW FROM 12 TO 22 MC. INPUT: 230/3750 TO 60, 500 V DC FOR BIAS, 600 V DC AND 1800 V DC FOR PLATES AND LOWER POWER STAGES. HAS PROVISIONS FOR CRYSTAL CONTROL OF OSCILLATOR. 7/27/43 CRV:HI-7246-C P-721497  
AUG. 44 SUB 0

CEJ 52319  
TOR. DOES NOT INCLUDE FREQ DETERMINING COILS AND A TANK CIRCUIT.

CEJ-52319-A TDU-a  
EXCITER AMPLIFIER UNIT  
RF UNIT FREQ. 2 TO 22 MC. A-1 EMISSION. 15 KW FROM 2 TO 12 MC. 12.5 KW FROM 12 TO 22 MC. INPUT: 230/3750 TO 60, 500V DC FOR BIAS, 600V DC AND 1800V DC FOR PLATES AND LOWER POWER STAGES. HAS PROVISIONS FOR CRYSTAL CONTROL OF OSCILLATOR. 12/20/44  
JAN. 45

CEJ-52319-A  
TOR. DOES NOT INCLUDE FREQ. DETERMINING COILS & P.A. TANK CIRCUIT. SAME AS -52319 EXCEPT MODIFIED FOR QUICK FREQ. CHANGE BY CHANGING VARIABLE CAPACITORS AND COMPLETE NEW LAYOUT.

CEJ 52320 TDU  
AMPLIFIER OUTPUT UNIT:  
FREQ RANGE 2 TO 22 MC. OUTPUT 15 KW FROM 2 TO 12 MC. 12.5 KW FROM 12 TO 22 MC. INPUT 7000 VOLTS, 3.75 AMP (PLATES OF P.A.). INCLUDES TANK CIRCUIT FOR P.A. & HARMONIC SUPPRESSING ANTENNA COUPLING CIRCUIT. DOES NOT INCLUDE FREQ DETERMINING COILS. 7/27/43 CRV:HI-7247 P-721957  
AUG. 44 SUB 0

CEJ 52320  
ING COILS.

CEJ-52320-A TDU-a  
AMPLIFIER OUTPUT UNIT  
FREQ. RANGE 2 TO 22 MC. OUTPUT 15 KW FROM 2 TO 12 MC. 12.5 KW FROM 12 TO 22 MC. INPUT 7000V 3.75 AMPS (PLATES OF P.A.). INCLUDES TANK CIRCUIT FOR P.A. AND HARMONIC SUPPRESSING ANTENNA COUPLING CIRCUIT. DOES NOT INCLUDE FREQ. DETERMINING COILS. SAME AS 52320 EXCEPT OUTPUT COILS TAPPED FOR QUICK CHANGE IF FREQ. TANK CAPACITOR CHANGED, OTHER COILS TAPPED. 12/20/44  
JAN. 45

CEJ-52320-A  
MINING COILS. SAME AS 52320 EXCEPT OUTPUT COILS TAPPED FOR QUICK CHANGE IF FREQ. TANK CAPACITOR CHANGED, OTHER COILS TAPPED.

CBM 52321 MCA-2  
DRIVER-RECTIFIER:  
CONSISTS OF PUSH PULL MASTER OSCILLATOR-POWER AMPLIFIER. BIAS RECTIFIER, AND PLATE RECTIFIER. FREQ RANGE: 17 TO 19 KC. POWER OUTPUT: 400 WATTS. SAME AS TYPE -52316 EXCEPT INCL OUTPUT RELAY & BUFFER STAGE, & TWO CHANGED TUBES IN OSCILLATOR. 7/8/43 CBM:938 CBM:SK-5588  
SEPT 43 ALT 1

CBM 52321  
INPUT 17.5 AMPS AT 120/1760.

CKV 52322 TDT  
RADIO TRANSMITTER:  
FREQ RANGE: 115 TO 156 MC. SUPPLY: 110 TO 120/1750 TO 60, 750 WATTS. POWER OUTPUT 35 WATTS ON A2, A3. OUTPUT IMPEDANCE 50 OHMS. AUDIO RESPONSE 1000 CY ± 2DB OVER RANGE OF 200 TO 4000 CPS.

7/21/43  
NOV. 43 CKV:W-40448  
REV 1

CDE-52323 YC-3  
LOCALIZER TRANSMITTER:  
FREQ RANGE 300 TO 800 KC. NOMINAL POWER OUTPUT 600 WATTS MCW-PROVIDES 300 MICROVOLTS PER METER AT 400 KC AT A DISTANCE OF ONE MILE. SIMILAR TO NAVY TYPE CDE-52219 EXCEPT USES TEMPERATURE COMPENSATING CAPACITORS IN LIEU OF A HEATER. 8/25/43 CDE:B-1834A  
MAR. 44

CDE-52323  
ELEMENT AND THERMAL SWITCH, 0-500V VOLT-METER AND FILAMENT TRANSFORMER 0-150V METER ELIMINATED MONITOR FREQ METER MOUNTED ON TOP COVER, GLOWER ROOM SWITCH REMOVED FROM FRONT PANEL. INCLUDES CRYSTAL ON THREE FREQUENCIES 472, 480 AND 522 KC.

CDE-52324 YC-3  
GLIDE PATH TRANSMITTER:  
FREQ RANGE 90 TO 95 MC. NOMINAL POWER OUTPUT 250 WATTS MCW. HAS A BUILT-IN RECTIFIER POWER SUPPLY TO OPERATE FROM 115/1760. SIMILAR TO CDE-52220 EXCEPT OSCILLATOR CIRCUIT REDESIGNED TO USE LOW TEMPERATURE COEFFICIENT CRYSTAL. TYPE 8/25/43 CDE:B-1857B  
NOV. 43

CDE-52324  
807 TUBE INSTEAD OF 802. CHANGE IN METER JACK CIRCUIT LOCATION AND THE OMISSION OF SEVERAL ACCESSORY METERS (0 TO 50 MA DC, 0 TO 150 VOLTS AC, 0 TO 750 VOLTS DC, 0 TO 1500 VOLTS DC).

COL-52325 YC-3  
RADIO TRANSMITTER:  
FREQ RANGE 1.5 TO 12 MC. 15 WATTS OUTPUT A2, A3. INPUT 400V DC AT 190 MA, 12V AC AT 2.5A, 12V DC AT 0.3 AMP FROM NAVY TYPE CDE-20245 LOCALIZER-RECTIFIER-MODULATOR. INCLUDES SHOCK-PROOF MOUNTING. SIMILAR TO COL-52327 EXCEPT FOR HIGH TEMPERATURE COEFFICIENT CRYSTAL. TYPE 8/25/43 COL:56Q-1 COL:235E-2  
MAR. 44 D2428

COL-52325  
POWER OUTPUT BY USING ALL TUBES. SLIGHT CHANGE IN CIRCUIT AND THIS UNIT IS SHOCK MOUNTED. REASSIGNED 52245B.

CDE-52326 YD-3  
MARKER BEACON TRANSMITTER:  
CARRIER FREQ 75 MC. CW EMISSION. HIGH LEVEL PLATE MODULATED AT 400, 1300 OR 3000 CYCLES AND KEYED EITHER TWICE PER SECOND, SIX TIMES PER SECOND OR CONTINUOUSLY. AMPLIFIER TANK OUTPUT 1 WATT. -AS BUILT-IN MONITOR CIRCUIT. INPUT: 103 8/26/43 B1892A  
NOV. 43

CDE-52326  
TO 126V. 1Φ. 50 TO 60 CYCLES (INPUT POWER AT 115 VOLTS IS 112 WATTS.)

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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- 52342 TDZ		RE9520A	CFT- 52346		ACCESSORY FOR DØF RADIO TRANSMITTER	CFT- 52351		TDN-2.-3.-4
<p>RADIO TRANSMITTER: INPUT: 110/220/440 VOLTS, 1Ø, 50 TO 60 CYCLES. FREQ. RANGE: 210 TO 400 MC WITH 10 PRESELECTED, CRYSTAL CONTROLLED FREQ. WHICH CAN BE SELECTED FROM THE FRONT OF THE PANEL AND ALSO REMOTELY. EMISSION, A2 AND A3. OUTPUT 30 WATTS INTO A 50 6/12/44 4G5351 SEPT. 44</p>			<p>FREQUENCY RANGE 100 TO 160 MC. OPERATES FROM INTERNAL 6 VOLT STORAGE BATTERY AND VIBRATOR POWER SUPPLY. CONSISTS OF ONE TUBE OSCILLATOR IN SMALL BOX WITH SMALL MONPOLE ATTACHED WHICH IS USED AS A RADIATOR. PROVIDED WITH TRIPOD AND 8/24/44 OCT. 44</p>			<p>RADIO TRANSMITTER FREQ. RANGE: 13.2 TO 20 MC. OUTPUT: 3 KW AT EMISSION. SIMILAR TO -52296 EXCEPT PROVISIONS HAVE BEEN MADE FOR SWITCHING FROM CRYSTAL CONTROL TO MASTER OSCILLATOR CONTROL (EXTERNAL MASTER OSCILLATOR). 9/13/44 1648 RC-5870-12A OCT. 44 REV 0</p>		
OHM LINE.		CG-52342			CFT- 52346			NAB
<p>MAGNETIC COMPASS. OUTPUT SUFFICIENT FOR CALIBRATING D/F EQUIPMENT AT 1000 FEET.</p>			<p>UNDERWATER SOUND BEACON: CONSISTS OF BUØY CONTAINING TRANSMITTER, BATTERY AND PROJECTOR. FREQUENCY RANGE 17-25 KC; 5 KEYING DISCS, EACH SET AT DIFFERENT CODE ONLY ONE OF WHICH CAN BE USED AT ANY TIME. OUTPUT 6 WATTS. HAS VALVES SUITABLE FOR AUTOMATIC FLOODING 10/6/44 GA-12 8284 DEC. 44 GA-13</p>			<p>CWT- 52352</p>		
COL- 52343 TDH-4		RE9433A	CG- 52347		TCJ-2			CWT- 52352
<p>RADIO TRANSMITTER: FREQ. RANGE: 2 TO 18.1 MC. SUPPLIES 3000 WATTS AT 2 TO 12 MC AND 2500 WATTS AT 12 TO 18.1 MC. INPUT 230/3/50-60, 115/1/50-60, AND DC VOLTAGES. INCLUDES ANTENNA MATCHING NETWORK. SAME AS 52291 EXCEPT RADIO FREQUENCY OUTPUT AT FREQUENCIES OF 6/24/44 1016-6 SEPT. 44</p>			<p>RADIO TRANSMITTER FREQ. RANGE: 300 TO 600 KC. EQUIPMENT SUPPLY 250 VOLTS DC. FOR A, A2, &amp; A3. EMISSION. OUTPUT: A1 400 VOLTS; A2, 200 VOLTS. A3, 100 WATTS. SIMILAR TO -52242 EXCEPT IT HAS VOICE EMISSION. 3 TUBE COMBINATION MODULATOR AND HCM UNIT. 5 8/31/44 4G2381 T-7663997 OCT. 44 REV 0</p>			<p>AND SINKING OF BEACON AFTER COMPLETION OF TRANSMISSION. INCLUDES ANCHOR WITH 500 FEET OF 5/16" DIAMETER STEEL CABLE WITH TRIP MECHANISM TO PERMIT RELEASE OF PREDETERMINED LENGTH OF CABLE.</p>		
		CG- 52343			CG- 52347			CWT- 52352
<p>4 TO 18.1 MC CAN BE DELIVERED TO A BALANCED TRANSMISSION LINE WHICH PRESENTS AN IMPEDANCE OF 650Ø RESISTIVE LOAD.</p>			<p>INDICATORS. 2 ADDITIONAL JACKS ON FRONT PANEL OTHER MINOR MODIFICATIONS AND NO LAND LINE CONTROL UNIT.</p>			<p>CWT- 52352</p>		
CBM- 52344		QBE-4, QBE-5	CFT- 52348		YN			CYV- 52353
<p>DRIVER-RECTIFIER: FREQ. RANGE: 18 TO 25 KC. OUTPUT: 70 WATTS. CONSISTS OF OSCILLATOR, BUFFER STAGE, OUTPUT STAGE, A 1600 VOLT AND A 300 VOLT PLATE SUPPLY, A -100 VOLT GRID BIAS SUPPLY AND A MAGNETIC SWEEP FREQ. MODULATOR. SAME AS -52290 EXCEPT (1) ALL 7/28/44 990 SK-6119 SEPT. 44 ALT 0</p>			<p>RADIO TRANSMITTER CONSISTS OF CYLINDRICAL STEEL DRUM CONTAINING TRANSMITTER UNIT TIMER AND POWER SUPPLY SYSTEM. POWER SUPPLY: 6 VOLTS STORAGE BATTERY FOR TIMER, TUBE FILA- MENTS, AND VIBRATOR PACK WHICH SUPPLIES PLATE POWER. POWER DISSIPATION FROM 9/8/44 24099N OCT. 44</p>			<p>RADIO TRANSMITTER: EQUIPMENT SUPPLY: 220/3/60 POWER INPUT UNDER FULL LOAD NOT TO EXCEED 40 KW. NOMINAL POWER OUTPUT 15 KW FOR CW TRANS- MISSION. FREQUENCY RANGE 4000 TO 21,000 KC CONTROLLED BY CRYSTALS OR EXTERNAL MASTER OSCILLATOR. ADAPTED FOR USE WITH 10/24/44 PW15A CYV:NO:37A-0-1 DEC. 44</p>		
		CBM- 52344			CFT- 52348			CYV- 52353
<p>COMPONENTS HAVING WIRE SIZE SMALLER THAN #30 ARE HERMETICALLY SEALED (2) ALL SMALL FIXED RESISTORS AND CAPACITORS ARE PANEL MOUNTED (3) NAVY TYPE CONNECTORS ARE USED.</p>			<p>BATTERY 90 WATTS; OUTPUT OF TRANSMITTER 5 WATTS. TRANSMITTER CONSISTS OF VHF OS- CILLATOR AND AUDIO MODULATOR. FREQ. 246 MC MODULATED 100X WITH 1000Ø5 CYCLES PER SECOND. USEFUL RANGE OF EQUIPMENT 10 NAUTICAL MILES.</p>			<p>FREQUENCY SHIFT KEYS.</p>		
CG- 52345		YCK-7	CFT- 52349		TDN-2.-3.-4			CYV- 52354
<p>RADIO TRANSMITTER: FREQ. RANGE: 2000 TO 18100 KC. POWER OUTPUT 400 WATTS, A1: AND 100 WATTS, A3 EQUIPMENT SUPPLY 230V DC. INCLUDES MICROPHONE CIRCUIT FILTER. SAME AS CG-52215-A EXCEPT THAT KEYING RELAY VOLTAGE DIVID- ING RESISTORS FORMERLY IN MAGNETIC CON- TROLLER WILL BE INSTALLED IN TRANSMITTER.</p>			<p>RADIO TRANSMITTER FREQ. RANGE: 2 TO 5.16 MC. OUTPUT: 3 KW, A1 EMISSION. SIMILAR TO -52294 EXCEPT PROVISIONS HAVE BEEN MADE FOR SWITCHING FROM CRYSTAL CONTROL TO MASTER OSCILLA- TOR CONTROL. (EXTERNAL MASTER OSCILLATOR) 9/13/44 1648 RC-5870-12A OCT. 44 REV 0</p>			<p>RADIO TRANSMITTER: EQUIPMENT SUPPLY: 220/3/60. POWER INPUT UNDER FULL LOAD NOT TO EXCEED 95 KW. NOMINAL POWER OUTPUT 40 KW FOR CW TRANS- MISSION. FREQUENCY RANGE 4000 TO 21,000 KC CONTROLLED BY CRYSTALS OR EXTERNAL MASTER OSCILLATOR. ADAPTED FOR USE WITH 10/25/44 PW40B CYV:NO:54-D-26 DEC. 44</p>		
		CG- 52345			CFT- 52350			CYV- 52354
<p>TROLLER WILL BE INSTALLED IN TRANSMITTER.</p>			<p>RADIO TRANSMITTER FREQ. RANGE: 5 TO 13.3 MC. OUTPUT: 3 KW AT EMISSION. SIMILAR TO -52295 EXCEPT PROVISION HAVE BEEN MADE FOR SWITCHING FROM CRYSTAL CONTROL TO MASTER OSCILLA- TOR CONTROL. (EXTERNAL MASTER OSCILLA- TOR). 9/13/44 1648 RC-5870-12A OCT. 44 REV 0</p>			<p>FREQUENCY SHIFT KEYS.</p>		
		CG- 52345			CFT- 52350			CYV- 52354
<p>TROLLER WILL BE INSTALLED IN TRANSMITTER.</p>			<p>RADIO TRANSMITTER FREQ. RANGE: 5 TO 13.3 MC. OUTPUT: 3 KW AT EMISSION. SIMILAR TO -52295 EXCEPT PROVISION HAVE BEEN MADE FOR SWITCHING FROM CRYSTAL CONTROL TO MASTER OSCILLA- TOR CONTROL. (EXTERNAL MASTER OSCILLA- TOR). 9/13/44 1648 RC-5870-12A OCT. 44 REV 0</p>			<p>CBM- 52355 WFA</p>		
		CG- 52345			CFT- 52350			CYV- 52354
<p>TROLLER WILL BE INSTALLED IN TRANSMITTER.</p>			<p>RADIO TRANSMITTER FREQ. RANGE: 5 TO 13.3 MC. OUTPUT: 3 KW AT EMISSION. SIMILAR TO -52295 EXCEPT PROVISION HAVE BEEN MADE FOR SWITCHING FROM CRYSTAL CONTROL TO MASTER OSCILLA- TOR CONTROL. (EXTERNAL MASTER OSCILLA- TOR). 9/13/44 1648 RC-5870-12A OCT. 44 REV 0</p>			<p>SOUNDING DRIVER: USED AS A TRANSMITTER FOR DEPTH SOUNDING SYSTEM. OPERATES AT 20 OR 60 KC. SELEC- TION BETWEEN FREQUENCIES MADE BY MEANS OF A RELAY. POWER OUTPUT BETWEEN 110-125 WATTS INTO RESISTIVE LOAD. POWER INPUT 600 DC/300 DC/100 DC/6.3 AC/6.3 AC VOLTS 11/2/44 1002 6Ø424 MAY 45 ALT 2</p>		

Class 52—Radio Transmitter Units

3.52-21

NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION	NAVY TYPE DESIGNATION	FIRST ASSIGNED FOR	NAVY DRAWING OR SPECIFICATION
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CBM- 52355  
 AT 500 MA/50 MA/150 MA/1.5 AMPS/3.6 AMPS  
 FROM -20332 RECTIFIER POWER UNIT INCLUDED  
 IN DRIVER.

CG- 52359  
 COUPLE OUTPUT STAGE TO COAXIAL TRANSMISSION LINE. DOORS AT REAR OF EACH UNIT FOR ACCESSIBILITY.

CBM- 52356 WFA  
 RANGING DRIVER:  
 FREQ. RANGE: 15 TO 45 KC. POWER OUTPUT BETWEEN 110 AND 125 WATTS INTO A RESISTIVE LOAD. OUTPUT OF FINAL TRANSFORMER IS CONNECTED TO A PAIR OF DIRECTORS USED FOR CORRECTING THE POWER FACTOR WHEN A CAPACITIVE LOAD IS USED. INCLUDES A  
 11/8/44 999 60423  
 DEC. 44 ALT 0

CAY- 52360 TBM-13  
 RADIO TRANSMITTER  
 FREQUENCY RANGE: 2000 TO 9050 KC AT 75 WATTS AND 2000 TO 18100 KC AT 500 WATTS. EMISSION CW (A1) AND SUITABLE FOR MCW OR PHONE OPERATION IF USED WITH A MODULATOR. EQUIPMENT POWER SUPPLY 230 VOLTS DC. NO VACUUM TUBE KEYING IS INCLUDED. SAME AS  
 5/8/45  
 JUN. 45

CBM- 52356  
 TYPE -20332 RECTIFIER POWER UNIT.

CAY- 52360  
 NAVY TYPE -52213 EXCEPT USES JAN GRADE 1, CLASS 1 RESISTORS AND WHEREVER POSSIBLE JAN COMPONENTS USING STANDARD VALUES. ALSO HAS SMOOTH GRAY FINISH.

COL-52357 MAM  
 RADIO TRANSMITTER  
 FREQ. RANGE: 1.5 TO 12 MC 15 WATTS OUTPUT A2A5 INPUT 400V DC AT 190 MA 12V AC AT 2.5A 12V DC AT 0.3 AMPS FROM NAVY TYPE COL-20358 RECTIFIER POWER UNIT. SIMILAR TO NAVY TYPE -52245-B RADIO TRANSMITTER EXCEPT SHOCK MOUNTS ARE RE-  
 11/13/44 C1709 C1709A  
 MAY 45

CAY- 52361 TBM-13  
 RADIO TRANSMITTER  
 SUPPLY: 220 OR 440 VOLTS, 3 PHASE 50 CYCLES. FREQUENCY RANGE: 2000 TO 9050 KC AT 75 WATTS AND 2000 TO 18100 KC AT 500 WATTS. EMISSION: CW (A1) AND SUITABLE FOR MCW OR PHONE OPERATION IF USED WITH A MODULATOR UNIT. SAME AS NAVY TYPE  
 5/8/45  
 JUN. 45

52357  
 MOVED AND CASE IS MODIFIED TO PERMIT FASTENING MOUNTING BRACKETS.

CAY- 52361  
 -52171 EXCEPT USES JAN GRADE 1, CLASS 1 RESISTORS AND WHEREVER POSSIBLE JAN COMPONENTS USING STANDARD VALUES. ALSO HAS SMOOTH GRAY FINISH.

CRR- 52358 \* SEE BELOW  
 RADIO TRANSMITTER  
 OPERATES FROM WET BATTERY VIBRATOR SUPPLY. CONSISTS OF ONE TUBE OSCILLATOR WITH SMALL MONOPOLE ATTACHED USED AS RADIATOR. EQUIPPED WITH TRIPOD & MAGNETIC COMPASS. HAS ONE RAIN COVER. SIMILAR TO 9FOR USE WITH DBF-1  
 3/24/45 1608(RE)  
 APR. 45

ICDF- 52362 YR  
 RADIO TRANSMITTER  
 FREQ. RANGE 200 TO 800 KC. CRYSTAL CONTROLLED. CIRCUIT CONSISTS OF A CRYSTAL OSCILLATOR, INTERMEDIATE RF AMPLIFIER AND A FINAL RF AMPLIFIER. ALSO CONTAINS PUSH-PULL MODULATOR STAGE, LOW VOLTAGE DC POWER SUPPLY FOR OSCILLATOR AND IPA  
 5/12/45  
 JUN. 45

CRR- 52358  
 CFT-52346 EXCEPT FOR FREQUENCY RANGE.

CDE- 52362  
 SCREEN VOLTAGE AND A BIAS SUPPLY FOR THE FINAL RF AMPLIFIER. A3, A2 OPERATION. OUTPUT VARIABLE FROM 25 TO 450 WATTS.

CG- 52359 TEH  
 TRANSMITTER ASSEMBLY  
 ASSEMBLY CONSISTS OF 1 CG-20426 RECTIFIER POWER UNIT, 1 CG-50258 LOW POWER AMPLIFIER, 1 CG-50259 HIGH POWER AMPLIFIER A DOUBLE EXCITER UNIT, MASTER OSCILLATOR, MODULATOR UNIT, TEST OSCILLOSCOPE, & A COUPLING CIRCUIT TO  
 5/2/45 4GPI0A1 SK-62647-13-107  
 JUN. 45

CW- 52363 QLA  
 DRIVER UNIT  
 CONTAINS A PHASE INVERTING VOLTAGE AMPLIFIER, PUSH-PULL DRIVER STAGE, CLASS B OUTPUT, POWER SUPPLIES AND REMOTE CONTROL RELAYS FOR THE TYPE -43070 DRIVER-ANALYZER-OSCILLATOR ASSEMBLY.  
 5/24/45 CW:ASXX-35001  
 JUN. 45 ISSUE 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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NAVSHIPS 900,109

