

NAVY TYPE MAB
RADIO TELEPHONE TRANSMITTING & RECEIVING EQUIPMENT

**TABLE 1
LIST OF MAJOR UNITS FOR MODEL MAB
RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT**

Symbol Group	Navy Type Designation	Name of Major Unit	Assembly Drawing Number
101-199	CCI-43045A	Radio Transmitter-Receiver Unit	145-5C-501
201-299	CRF-20221	*Vibrator Power Unit	145-4P-501
301-399	CCI-66081	Antenna and Load Coil Assembly	145-4C-502
401-499	CCI-51048	Microphone and Cover Assembly	145-3-22
	CCI-49214	Headset Assembly	
	CRF-19046	*Lead-Acid Storage Battery	43-8MXX90M+
	-----19027A	*Battery Pack (Dry)	145-4E-3.13 G
	CZP-10162	Plastic Case	
		*Canvas Carrying Case	

*Not furnished by Contractor.

G EQUIPMENT		
Mfg. Desig.	Spec. Toll. or Mod.	Contractors Dwg. and Part No.
1469		2-1469 .0005 mfd.
N750K		47K 50 mmfd.
1469		2-1469, .0005 mfd.d
N750K		47K 45 mmfd.
1W5D3		4-1W5D3 .003 mfd.
N750K		47K 35 mmfd.
1469		2-1469 .00025 mfd.
1469		2-1469 .0005 mfd.
1469		2-1469 .00025 mfd.
ICS2S5A		ICS-2S-5A
1469		2-1469 .0005 mfd.

B-7

43-8MXX90M4
145-4E-3.13 G*Lead-Acid Storage Battery
*Battery Pack (Dry)
Plastic Case
*Canvas Carrying CaseCRF-19046
-----19027A
CZP-10162

*Not furnished by Contractor.

TABLE 2

Transmitter Receiver Unit

PARTS LIST BY SYMBOL DESIGNATION

Navy Type CCI 43045 -A MODEL MAB RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT

Symbol Desig.	Function	Description	Navy Type Number	Navy Drawing or Spec.	Mfg.	Mfg. Desig.	Spec. Toll. or Mod.	Contractors Dwg. and Part No.
CAPACITORS								
C-101	V-101 Grid Coupling	Silver-Mica 0.0005 mfd. 500v. DC working, toler. $\pm 5\%$.	-48691-D5	RE 48A 148C RE 48A 154F	2	1469		2-1469 .0005 mfd.
C-102	V-101 Osc. Excitation	Ceramic. 50 mmfd. 500v. DC working, toler. $\pm 10\%$, neg. temp. coef. 750×10^{-6} per degree C.	-481622-10		47	N750K		47K 50 mmfd.
C-103	V-105 Amp Plate Bypass	Same as C-101.	-48690-D5	RE 48A 148C RE 48A 154F	2	1469		2-1469, .0005 mfd.
C-104	IF Pri. (Part of Z-101).	Ceramic 45 mmfd. 500v. DC working, neg. temp. coef. 750×10^{-6} per degree C., toler. $\pm 10\%$.			47	N750K		47K 45 mmfd.
C-105	Supply Bypass (V-101).	Mica 0.003 mfd. 500v. DC working, toler. $\pm 20\%$.	-481036	RE 48A 143F RE 48A 154F	4	1W5D3		4-1W5D3 .003 mfd.
C-106	IF Sec. (Part of Z-101).	Ceramic, 35 mmfd. 500v. DC working, neg. temp. coef. 750×10^{-6} per degree C., toler. $\pm 10\%$.			47	N750K		47K 35 mmfd.
C-107	AVC Bypass	Same as C-105.	-481036					
C-108	IF Pri. (Part of Z-102).	Same as C-104.						
C-109	IF Sec. (Part of Z-102).	Same as C-106.						
C-110	Diode Return Bypass V-103.	Silver-Mica 0.00025 mfd. 500v. DC working, toler. $\pm 5\%$.	-48690-D5	RE 48A 148C RE 48A 154F	2	1469		2-1469 .00025 mfd.
C-111	Audio Coupling.	Same as C-101.	-48691D5	RE 48A 148C RE 48A 154F	2	1469		2-1469 .0005 mfd.
C-112	V-103 Screen Bypass	.01 mfd. 600v. molded case paper capacitor. $\pm 10\%$.						
C-113	V-103 Plate RF Bypass	Same as C-110.	-48690-D5		2	1469		2-1469 .00025 mfd.
C-114	67v. Supply Bypass	Paper, .05 mfd. 200v. DC W toler. $\pm 20\%$.	-481621-20		4	ICS2S5A		ICS-2S-5A
C-115	Audio Coupling.	Same as C-101.	48691-D5	RE 48A 148C RE 48A 154F	2	1469		2-1469 .0005 mfd.

TABLE 2 (Continued)

Transmitter Receiver Unit

PARTS LIST BY SYMBOL DESIGNATION

Navy Type CCI 43045-A

MODEL MAB RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT

Symbol Desig.	Function	Description	Navy Type Number	Navy Drawing or Spec.	Mfg.	Mfg. Desig.	Spec. Toll. or Mod.	Contractors Dwg. and Part No.
CAPACITORS								
C-116	V-104 Screen Bypass	Same as C-114.	-481621-20		4	ICS2S5A		ICS-2S-5A
C-117	Antenna Tuning.	Same as C-110.	-48690-D5	RE 48A 148C RE 48A 154F	2	1469		2-1469 .00025 mfd.
C-118	V-105 Screen Bypass	Same as C-101.	-48691-D5	RE 48A 148C RE 48A 154F	2	1469		2-1469 .0005 mfd.
C-119	Antenna Tuning.	Ceramic, 25 mmfd. 500v. DC neg. temp. coef. 750×10^{-6} degree C., toler. $\pm 10\%$.	-481197-10		47	N750K 2A		47-TS 25 mmfd.
RECEPTACLES								
J-101	Radio Unit.	14 Contact Bakelite.			114			551-034
INDUCTORS								
L-101, L-102	Oscillator Plate Choke. Modulation Reactor (Assembled with T-101A and T-101B).	See Table 4. See Table 4.	-47272 -30964		67 40 or 33	A3274A		20-012 630-011
RESISTORS								
R-101	V-101 Grid.	2.0 megohms $\frac{1}{4}$ watt pigtail, toler. $\pm 10\%$.	-63433	RE 13A 372G	11	BT- $\frac{1}{4}$		400-2.0
R-102	V-101 Osc. Grid.	100,000 ohms, $\frac{1}{4}$ watt pigtail, toler. $\pm 10\%$.	-63433	RE 13A 372G	11	BT- $\frac{1}{4}$		400-0.1
R-103	AVC filter.	5.0 megohms $\frac{1}{4}$ watt pigtail, toler. $\pm 10\%$.	-63433	RE 13A 372G	11	BT- $\frac{1}{4}$		400-5.0
R-104	V-101 Plate Dropping.	30,000 ohms $\frac{1}{4}$ watt, pigtail, toler. $\pm 10\%$.	-63433	RE 13A 372G	11	BT- $\frac{1}{4}$		400-30.000
R-105	V-106 Plate Dropping.	20M ohm, $\frac{1}{4}$ watt, pigtail, toler. $\pm 10\%$.	-63433	RE 13A 372G	11	BT- $\frac{1}{4}$		400-20.000

Transmitter Receiver Unit

Navy Type CCI 43045-A

TABLE 2 (Continued)

PARTS LIST BY SYMBOL DESIGNATION

MODEL MAB RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT

Symbol Desig.	Function	Description	Navy Type Number	Navy Drawing or Spec.	Mfg.	Mfg. Desig.	Spec. Toll. or Mod.	Contractors Dwg. and Part No.
RESISTORS								
R-106	V-103 Diode Load.	1 megohm ¼ watt, pigtail, toler. ± 10%.	-63433	RE 13A 372G	11	BT-¼		400-1.0
R-107	V-103 Grid.	Same as R-103.	-63433	RE 13A 372G	11	BT-¼		400-5.0
R-108	V-103 Screen Dropping.	3 megohms, ¼ watt, pigtail, toler. ± 10%.	-63433	RE 13A 372G	11	BT-¼		400-3.0
R-109	V-103 Plate.	Same as R-106.	-63433	RE 13A 372G	11	BT-¼		400-1.0
R-110	V-104 Grid.	Same as R-101.	-63433	RE 13A 372G	11	BT-¼		400-2.0
R-111	Sidetone Coupling.	250,000 ohms ¼ watt pigtail, toler. ± 10%.	-63433	RE 13A 372G	11	BT-¼		400-0.25
R-112	V-104 Screen Dropping.	150,000 ohm ¼ watt, pigtail, toler. ± 10%.	-63433	RE 13A 372G	11	BT-¼		400-0.15
R-113	Regeneration Suppressor.	Same as R-111.	-63433	RE 13A 372G	11	BT-¼		400-0.25
R-114	V-105 and V-106 Grid.	Same as R-111.	-63433	RE 13A 372G	11	BT-¼		400-0.25
R-115	V-105 Screen Dropping.	Same as R-105.	-63433	RE 13A 372G	11	BT-¼		400-20.000
R-116	Feed-Back Suppressor.	3,300 ohms ¼ watt pigtail, toler. ± 10%.	-63433	RE 13A 372G	11	BT-¼		400-3300
R-117	Oscillator Dropping.	50,000 ohm ¼ watt pigtail resistor, toler. ± 10%	63433	RE 13A-372G	11	BT-¼		400-50.000
TRANSFORMERS								
T-101A	Audio Output.	See Table 4	-30964		40	A3274A		630-011
T-101B	Audio Input.	See Table 4	-30964		or 33	A3274-A		630-011
T-102	Antenna Coupling.	See Table 4.			16	M-253617 501		22-019

B-7

Transmitter Receiver Unit
Navy Type CCI 43045 -A

TABLE 2 (Continued)
PARTS LIST BY SYMBOL DESIGNATION

MODEL MAB RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT

Symbol Desig.	Function	Description	Navy Type Number	Navy Drawing or Spec.	Mfg.	Mfg. Desig.	Spec. Toll. or Mod.	Contractors Dwg. and Part No.
VACUUM TUBES								
V-101	Receiver Oscillator Mixer.	Pentagrid Converter.			16*	1R5		
V-102	IF Amp.	Super-Control RF amplifier Pentode.			16*	1T4		
V-103	Det. 1st Audio.	Diode-Pentode.			16*	1S5		
V-104	Audio Output.	Power Amplifier Pentode.			16*	3S4		
V-105	Power Amplifier.	Same as V-104.			16*	3S4		
V-106	Transmitter Oscillator.	Same as V-102.			16*	1T4		
V-107	Modulator.	Same as V-104.			16*	3S4		
SOCKETS								
X-101	Socket for V-101.	7 pin Miniature Bakelite			28	9820		556-012
X-102	Socket for V-102.	Same as X-101.			28	9820		556-012
X-103	Socket for V-103.	Same as X-101.			28	9820		556-012
X-104	Socket for V-104.	Same as X-101.			28	9820		556-012
X-105	Socket for V-105.	Same as X-101.			28	9820		556-012
X-106	Socket for V-106.	Same as X-101.			28	9820		556-012
X-107	Socket for V-107.	Same as X-101.			28	9820		556-012
X-108	Sockets for Y-101 and Y-102.	Insulated, Double, Bakelite.	-49407		28	9800		28-9800
CRYSTALS								
Y-101	Rec. Crystal.	2 prong 7/16x13/16x1-1/8 inch Bakelite holder.	-40125		17 or Equiv	MC-9 or FT-243	For Replacement	17-MC-9 or FT-243
Y-102	Trans. Crystal.	Same as Y-101.	-40125		17	MC-9	For Replacement	17-MC-9
IF TRANSFORMERS								
Z-101	Input IF Trans.	(See Table 4).	-47278		3	12133 or 13202		600-039
Z-102	Output IF Trans.	(See Table 4).	-47279		3	12134 or 13203		600-040

* Or other Manufacturers.

B-5

Navy Type 66081 Antenna and
Load Coil Assembly

TABLE 2 (Continued)
PARTS LIST BY SYMBOL DESIGNATION
MODEL MAB RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT

Symbol Desig.	Function	Description	Navy Type Number	Navy Drawing or Spec.	Mfg.	Mfg. Desig.	Spec. Toll. or Mod.	Contractors Dwg. and Part No.
INDUCTORS								
L-301	Antenna Load Coil.	See Table 4.			16	M-253617 502		22-018
PLUGS								
P-301	Concentric Breakaway Connector (male)	Molded rubber insulated (Part of W-301).	-49212		13	XX-103		145-3.23
CABLES								
W-301	Antenna lead, Connects P-301 and L-301.	Rubber-covered, single-conductor, stranded wire.	-49212		13	XX-103		145-3.23

Microphone and Cover Assembly
Navy Type CCI 51048

TABLE 2 (Continued)
PARTS LIST BY SYMBOL DESIGNATION
MODEL MAB RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT

Symbol Desig.	Function	Description	Navy Type Number	Navy Drawing or Spec.	Mfg.	Mfg. Desig.	Spec. Toll. or Mod.	Contractors Dwg. and Part No.
PLUGS								
P-401	Transmitter-Receiver Unit.	14 Contact. Bakelite.			114			551-034
P-402	Power Supply Unit.	5 contact, Bakelite.			28	M-50		28-M-50
P-403	Concentric Breakaway connector (female).	Molded rubber, insulated, (Part of W-402).	-49212		13	XX-103		145-3.23
P-404	Flat-type Breakaway connector.	Molded rubber insulated, (Part of W-401).	-49213		13	XX-102		145-3.23
SWITCHES								
S-401	"Off-On" switch.	SPST, push-through type, (Part of W-401).	-24159		13	TC-128-2		
S-402	Press-to-talk switch.	Part of MI-401.	-51042		13	RS-38A		145-3.23
CABLES								
W-401	Cable assembly, terminating in P-104, P-404, and MI-401.	"Y"-cord, rubber-covered, 5 conductor bet. P-401 and "Y", 4-cond. betw. "Y" and MI-401, and 2-cond. bet. "Y" and P-404.	-49213		13	XX-102		145-3.23
W-402	Antenna lead, Connects P-403 and P-401.	Rubber-covered, single-conductor, stranded wire.	-49212		13	XX-103		145-3.23
MICROPHONES								
MI-401	Microphone.	Single button carbon, including "press-to-talk" switch S-402.	-51042		13	RS-38A		145-3.23

TABLE 3
SPARE PARTS LIST BY SYMBOL DESIGNATION
MODEL MAB RADIO TRANSMITTING AND RECEIVING EQUIPMENT

Quan.	Navy Type Number	All Symbol Designations	Description	Navy Drawing or Spec.	Mfg.	Mfg. Desig.	Special Tolerance Rating or Modification	Contractors Dwg. & Part Number
10	-48691-D5	C-101, C-111, C-115, C-118, C-103.	Silver-Mica Capacitor 0.0005 mfd. 500v. DC working, toler. $\pm 5\%$.	RE 48A 148C RE 48A 154F	2	1469		2-1469 .0005 mfd.
2	-481622-10	C-102	Ceramic Capacitor 50 mmfd. 500v. DC working, toler. $\pm 10\%$ (neg. temp. coef. 750×10^{-6} per degree C.		47	N750K-5		47K 50 mmfd.
6	-48690-D5	C-110, C-113, C-117	Silver-Mica Capacitor 0.00025 mfd. 500v. DC W toler. $\pm 5\%$.	RE 48A 148C RE 48A 154F	2	1469		2-1469 .00025 mfd.
4	-481036	C-105, C-107,	Mica Capacitor 0.003 mfd. 500v. DC W toler. $\pm 5\%$.	RE 48A 143F RE 48A 154F	4	1W-5D3		4-1W5D3 .003 mfd.
4	-481621-20	C-114, C-116	Paper Capacitor, .05 mfd. 200v. DC W toler. $\pm 20\%$.		4	ICS2S5A		ICS-2S-5A
2	-481197-10	C-119	Ceramic Capacitor, 25 mmfd. 500v. DC neg. temp. coef. 750×10^{-6} Degree C., toler. $\pm 10\%$.		47	N-750K-25		47-TS 25 mmfd.
2		C-112	.01 mfd. 600v. molded case paper capacitor $\pm 10\%$.		100	DP		34-001
**2		J-101	14 Contact Bakelite Rec.		114			551-034
5	-47272	L-101.	See Table 4.		67	145-3.17D		20-012
4	-63433	R-101, R-110	2.0 megohms $\frac{1}{4}$ watt pigtail resistor, toler $\pm 10\%$	RE 13A 372G	11	BT- $\frac{1}{4}$		400-2.0
2	-63433	R-102	100,000 ohms, $\frac{1}{4}$ watt pigtail resistor, toler $\pm 10\%$.	RE 13A 372G	11	BT- $\frac{1}{4}$		400-0.1
4	-63433	R-103, R-107	5.0 megohms $\frac{1}{4}$ watt, pigtail resistor, toler $\pm 10\%$.	RE 13A 372G	11	BT- $\frac{1}{4}$		400-5.0
2	-63433	R-104	30,000 ohms $\frac{1}{4}$ watt, pigtail resistor, toler $\pm 10\%$.	RE 13A 372G	11	BT- $\frac{1}{4}$		400-30,000
4	-63433	R-105, R-115	20,000 ohms, $\frac{1}{4}$ watt, pigtail resistor, toler $\pm 10\%$.	RE 13A 372G	11	BT- $\frac{1}{4}$		400-20,000
4	-63433	R-106, R-109	1 megohm $\frac{1}{4}$ watt, pigtail resistor, toler $\pm 10\%$.	RE 13A 372G	11	BT- $\frac{1}{4}$		400-1.0

**Associated Hardware included.

TABLE 3
SPARE PARTS LIST BY SYMBOL DESIGNATION
MODEL MAB RADIO TRANSMITTING AND RECEIVING EQUIPMENT

Quan.	Navy Type Number	All Symbol Designations	Description	Navy Drawing or Spec.	Mfg.	Mfg. Desig.	Special Tolerance Rating or Modification	Contractors Dwg. & Part Number
2	-63433	R-108	3 megohms. 1/4 watt, pigtail resistor, toler.±10%.	RE 13A 372G	11	BT-1/4		400-3.0
6	-63433	R-111, R-113, R-114	250,000 ohms 1/4 watt, pigtail resistor, toler.±10%.	RE 13A 372G	11	BT-1/4		400-0.25
2	-63433	R-112	150,000 ohms 1/4 watt, pigtail resistor, toler.±10%.	RE 13A 372G	11	BT-1/4		400-0.15
2	-63433	R-116	3,300 ohms 1/4 watt, pigtail resistor, toler.±10%.	RE 13A 372G	11	BT-1/4		400-3300
2	-63433	R-117	50,000 ohm 1/4 watt pigtail resistor, toler. ± 10%.					40-50.000
**10	-30964	T-101A, T-101B, L-102	See Table 4.		40	A-3274-A		630-011
**2		T-102	Antenna Coupling Transformer (See Table 4).		16	M-253617 501		22-019
**14		X-101, X-102, X-103, X-104, X-105, X-106, X-107	7 pin Miniature Bakelite socket		28	9820		556-012
**2	-49407	X-108	Insulated, Double Bakelite crystal socket.		28	9800		28-9800
**2	-47278	Z-101	Input IF 455 Kc (see Table 4).		3	12133 or 13202		600-039
**2	-47279	Z-102	Output IF 455 Kc (see Table 4).		3	12134 or 13203		600-040
**3		L-301	Antenna and Load Coil.		16	M-253617 502		
**3	-51048	MI-401, S-401, W-402 W-401	Microphone and Cover Assembly, Cover, on-off switch, Antenna cord, Microphone cord and Microphone.		8	145-4C-502		145-5C-01302X

**Associated Hardware included.

TABLE 3
SPARE PARTS LIST BY SYMBOL DESIGNATION
MODEL MAB RADIO TRANSMITTING AND RECEIVING EQUIPMENT

Quan.	Navy Type Number	All Symbol Designations	Description	Navy Drawing or Spec.	Mfg.	Mfg. Desig.	Special Tolerance Rating or Modification	Contractors Dwg. & Part Number
MISCELLANEOUS								
**7 2			Stainless Steel Tube Clamp.		69	145-V40		145-V40
**2 1			L. Nat. Bakelite Resistor Mount. Steel Cond. Hold Down.		8	164-C-204		164-C-204
**1 3	-10162 -49214	HS-401, P:-404	Case Assembly. Plastic Case. Headphone Assembly.		8 8 76 8	145-2.8 164-C-203X3 145-4E-3.13G 145-5C-26502		145-2.8 164-C-203X3 145-4E-3.13G 145-5C-26502
WIRE AND INSULATION								
2 ft.			#22 Vinylite Wire. Black.		118	22 Vinylite		
2 ft.			#22 Vinylite Wire. Green.		118	22 Vinylite		
2 ft.			#22 Vinylite Wire. Red.		118	22 Vinylite		
2 ft.			#22 Vinylite Wire. Blue.		118	22 Vinylite		
2 ft.			#22 Bynlite Wire. Brown.		118	22 Vinylite		
2 ft.			#22 Vinylite Wire. Slate.		118	22 Vinylite		
2 ft.			#22 Vinylite Wire. White.		118	22 Vinylite		
2 ft.			#22 Vinylite Wire. Orange.		118	22 Vinylite		
5 ft.			#20 Irvolite Insulation.		72	XTE-30		
5 ft.			#12 Irvolite Insulation.		72	XTE-30		
CRYSTALS								
1 ea.	-40125		2 prong 7/16x13/16x1 1/8" Bakelite Crystal Holder. Transmitting and Receiving.		17 or Equiv.	MC-9 or FT-243		17-MC-9 or FT-243
**Associated Hardware included.								

TABLE 4
TRANSFORMER AND COIL ASSEMBLY DATA FOR
MODEL MAB RADIO TRANSMITTING AND RECEIVING EQUIPMENT

nbol nbol	Function	Drawing Number	Navy Number	No. of Turns	Wire Size	Insulation	Volt Test	Tuning or Core	Dia. Coil Form	Test Frequency MC.	A. C. Inductance MH.	Q	Coil Frequency Range	Imped- ance	D.C. Resistance Ohms	Spec.
-101	Osc. Plate. Choke	145-3.17D	-47272	500	#38	S.S.E.		Dummy ¼ w Resistor	¼"	500 KC	1700	36				
-101A	Audio Out- put Trans.	145-3.17C	-30964	2500 Pri. 860 Sec.	#40 #36	S.E. S.E.	500v. 500v.	Iron Iron	¼"-#29 ¼"-#29	660 CPS 2200 CPS	6 0.5	3.4 2.1	200 to 5000 KC 100 to 10,000	5000 Pri. 600 Sec.	500 43	Metal Case Metal Case
-101B	Audio Input	145-3.17C	-30964	400 Pri. 10000 Sec.	#43 #37	S.E. S.E.	500v. 500v.	Iron Iron	¼"-#29 ¼"-#29	2300 CPS 130 CPS	0.5 150	0.4 0.2	200 to 5000 KC	Pri. 125 Sec. 80000	21 3300	Metal Case Metal Case
-102	Mod. Reactor	145-3.17C	-30964	3150	#37	S.E.	500v.	Iron	¼"-#29	575 CPS	7.6	3.5			240	Metal Case
-101	Input IF	145-3.17E	-47278	510 Pri. 600 Sec.	5-44	S.S.E. Litz S.S.E. Litz		Slug Slug	.223 .223	455 KC 455 KC	1.2 1.7	58 58	445 to 475 KC	300 M Pri. 500 M Sec.	30 26	45 mmfd. Padders 30 mmfd. Padders
-102	Output IF	145-3.17E	-47279	510 Pri. 600 Sec.	5-44 5-44	S.S.E. Litz S.S.E. Litz		Slug Slug	.223 .223	455 KC	1.2 20.6	58 58	445 to 475 KC	300 M Pri. 500 M Sec.	30 26	45 mmfd. Padders 30 mmfd. Padders
-102	Antenna Coupling Transformer	M-253617- 501		Pri. 75 ¼ Sec. 99 ¾	#35 #35	En. En.			Top of Sec. .283	5 MC. 5 MC. 2.2	23.4 to 114.7	79 to 64	2.3 to 4.6 MC	2.3 to 4.6		Shield Can
-301	Antenna Load Coil	M-253617- 502		122	#41	Silk En.		Slug		3.6 1.5	46.5 to 242	79 to 121				Shield Can
ote:	T-101A, T-101B and L-102 are potted in one can..															

TABLE 4

NAVY TYPE MAB
RADIO TELEPHONE TRANSMITTING & RECEIVING EQUIPMENT

TABLE 5
Channel Designation and Crystal Frequency Data for
Model MAB Transmitting and Receiving Equipment

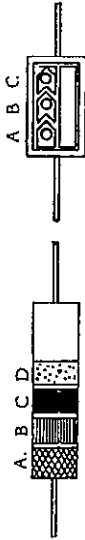
Channel Designation	Transmitter Crystal Frequency - Kc.	Receiver Crystal Frequency - Kc.
A	2436	2891
B	2772	3227
C	2304	2759
D	3035	3490
E	3155	3610
F	3585	4040
G	3725	4180
H	3865	4320
J	3995	4450
K	4105	4560
L	4435	4890
M	2356	2811
N	2506	2961
O	2554	3009
P	2604	3059
R	2656	3111
S	2744	3199
T	2844	3299
U	2884	3339
V	2952	3407

NOTE: Equipment operating frequency and transmitter crystal frequency is identical. Receiver crystal frequency is equal to transmitter crystal frequency plus 455 kc.

B-12

NAVY TYPE MAB
RADIO TELEPHONE TRANSMITTING & RECEIVING EQUIPMENT

Table 6.
RMA STANDARD COLOR CODE FOR RESISTORS IN OHMS
AND CAPACITORS IN M. M. F.



A— COLOR FOR 1ST SIGNIFICANT FIGURE.
B— COLOR FOR 2ND SIGNIFICANT FIGURE.
C— COLOR FOR NO. OF CIPHERS OF MULTIPLIER.
D— GOLD OR SILVER INDICATES TOLERANCE, WHEN APPLIED.

COLOR
BLACK
BROWN
RED
ORANGE
YELLOW
GREEN
BLUE
VIOLET
GRAY
WHITE
GOLD
SILVER
NO COLOR

43,000 OHMS
3,000 OHMS
3.3 OHMS

MULTIPLYING VALUE
1
10
100
1,000
10,000
100,000
1,000,000
10,000,000
100,000,000
1,000,000,000
0.1
0.01

5% TOLERANCE
10% TOLERANCE
20% TOLERANCE

EXAMPLES

YELLOW (4)
ORANGE (3)
ORANGE (3)

ORANGE (X1000)
RED (X100)
GOLD (0.1)

NAVY TYPE MAB
RADIO TELEPHONE TRANSMITTING & RECEIVING EQUIPMENT

TABLE 7
MANUFACTURERS' DESIGNATIONS

CODE NO.	DESIG. NO.	NAME	ADDRESS
2	CAW	Acrovox Corporation.	New Bedford, Mass.
3	CFW	F. W. Sickles Co.,	Chicopee, Mass.
4	CD	Cornell Dubilier Elec.,	Plainfield, N. J.
8	CCI	Communications Co., Inc.	Coral Gables, Fla.
11	CIR	International Resistance Co.	Philadelphia Pa.
13	CTE	Telephonics, Inc.,	New York, N. Y.
16	CRV	R.C.A. Mfg. Co.,	Camden, N. J.
17	CQB	Bliley Electric Co.,	Erie, Pa.
28	CMG	Cinch Mfg. Corp.,	Chicago, Ill.
33	CUT	United Transformer Co.	New York, N. Y.
40	CUD	Audio Development Co.,	Minneapolis, Minn.
47	CER	Erie Resistor Corp.,	Erie, Pa.
52	CML	Meissner Mfg. Co.	Mt. Carmel, Ill.
61	CUP	United Pressed Products,	Chicago, Ill.
67	CUP	Carron Co.	Chicago, Ill.
69		Cuyahoga Spring Co.,	Cleveland, Ohio
72		Irvington Varnish & Insulator Co.,	Irvington, N. J.
73		Lenz Mfg. Co.,	Chicago, Ill.
76	CZP	Plastimold, Inc.,	Attleboro, Mass.

B-13
END