ARMY SERVICE FORCES CATALOG

SIG 8-BC-906

Ref. TM 11-2623

SIGNAL SUPPLY CATALOG

Higher Echelon Spare Parts for

Frequency Meter BC-906-A, B, C, D, & E

GENERAL NOTES

1. The spare parts portion of the Signal Supply Catalog for signal equipment is published in two separate pamphlets as follows:

Section SIG 7, Organizational Spare Parts.
Section SIG 8, Higher Echelon Spare Parts.

2. These pamphlets are supplemental to Tables of Equipment, Tables of Basic Allowances, Tables of Allowances, and Tables of Organization. It is therefore essential that these pamphlets be in hands of all organizations and establishments concerned, including:

a. All signal repair organizations higher than the second echelon charged with maintaining this equipment.

b. All organizations or establishments charged with storing or issuing this equipment.

3. The spare parts lists included in the above pamphlets are for use as indicated below subject to provisions of Section IV, Circular No. 227, War Department, 7 June 1944, which indicates current policies for the issue of spare parts.

4. Section SIG 7, ORGANIZATIONAL SPARE PARTS, lists the authorized allowances of spare parts and major components to be kept on hand by first and second echelon organizations.

5. Section SIG 8, HIGHER ECHELON SPARE PARTS, provides as a guide, a basis for determination of initial issues of major components and spare parts to organizations responsible for third and higher echelons of maintenence or supply.

Headquarters, Army Service Forces *10 January 1945*

590545°—ASF—501A

RESTRICTED

a. The quantities indicated in the Third and Fourth Echelon Stock columns provide a guide for the determination of initial issues of spare parts to Third and Fourth Echelon Maintenance organizations for the equipment maintained by each.

b. The quantities indicated in the Army Depot stock column provide a guide for the initial establishment of Army Depot Stock of spare parts for the types and quantities of items of equipment supported by such depots.

c. The quantities indicated in the Base Depot Stock column provide a guide for the initial establishment of base depot stocks of spare parts for the types and quantities of items of equipment supported by base depots.

d. After initial establishment or issue, each of the stocks of spare parts referred to in *a*, *b*, and *c* will be adjusted continually, to reflect usage as disclosed by issue data. Such adjustment will be carried out by requisition of individual items as additional parts are required.

6. Use of equipment item number.

a. The equipment item number as extracted from the column so headed on maintenance lists should be included at the end of the nomenclature of each item requisitioned. Such information will aid in identification and verification of items desired.

b. When a stock number is not available, the equipment item number will identify a part for requisitioning.

7. Initial copies or additional copies of this pamphlet should be requisitioned through normal W. D. publication distribution channels, in accordance with paragraphs 3 and 4, AR 310–200.

8. Errors noted in this pamphlet should be reported promptly to the Chief Signal Officer. Attention: Maintenance Branch.

9. Comments and constructive criticism regarding these pamphlets are invited, and should be submitted to the address indicated in paragraph 8.

EXPENDABILITY NOTE

Expendability of individual items will be in accordance, with Signal Supply Catalog, Sig 5, which shows expendability of all items stored and issued by the Signal Corps.

SPECIAL NOTES

1. REFERENCE NUMBER. "Ref. No. TM 11–2623" as indicated in column 2 of this catalog, refers to the circuit symbol in the Technical Manual.

2. Since dry batteries have a limited shelf life, issue and resupply of dry batteries must be calculated for the shortest possible period of time to insure that batteries issued to troops will not be unreasonably exhausted.

HEADQUARTERS, ARMY SERVICE FORCES,
WASHINGTON 25, D. C., 10 JANUARY 1945

Army Service Forces Signal Supply Catalog, SIG 8–BC–906 Higher Echelon Spare Parts for Frequency Meter BC–906–A, B, C, D, & E has been prepared under the supervision of the Chief Signal Officer, and is published for the information and guidance of all concerned.

[SPX 461 (21 Dec 44).]

BY COMMAND OF LIEUTENANT GENERAL SOMERVELL:

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Lieutenant General, U.S.A.,
Chief of Staff.

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J. A. ULIO,
Major General,
The Adjutant General.

DISTRIBUTION:

AAF (Sig) (5); AGF (Sig) (5); ASF (Sig) (2); AAF C (2); Arm & Sv Bd (2); Def C (Sig) (2); S Div ASF (1); Dept (Sig) (5); Tech Sv (2); Sv C (Sig) (5); PC&S (2); PE (Sig) (10); ASF Dep (Sig Sec) (5); Dep, 11 (15); Pro Dist, 11 (5); Inspec Z, 11 (5); Gen & Sp Sv Sch (5); USMA (2); ROTC Lib (2); ROTC (2); Rep Sh, 11 (3); A (Sig) (5); CHQ (Sig) (5); D (2); AF (2); Two (2) copies to each of the following: T/O & E 1–1–1S; 1–10–1S; 1–13–1; 1–27; 1–37; 1–67; 1–100–1; 1–100–1S; 1–110–1; 1–117; 1–127; 1–137; 1–147; 1–167; 1–277S; 1–300–1; 1–317; 1–397S; 1–457T; 1–487S; 1–500–1; 1–618; 1–637; 1–637S; 1–758; 1–768; 1–777S; 1–800–1; 1–800–1S; 1–800–1S, RS; 1–801–1; 1–987; 1–1010–1; 1–1077; 11–237; 11–287, 11–357; 11–587.

For explanation of symbols, see FM 21–6.

CONTENTS

Each item listed on the following pages has been assigned an equipment item number which appears in column so headed. The equipment item number identifies each item according to the equipment in which it is used and its numerical position in the list.

Reference No. TM 11–2623	Equipment Item No.	Stock No.	Nomenclature	Unit of Measure	Quantity per Equipment	Army Depot Stocks 3 to 6 Months			Base Depot Stocks 3 to 6 Months		
						1–6 Sets	7–13 Sets	14–25 Sets	1–13 Sets	14–25 Sets	26–54 Sets
202	BC906/1	2A294–1	ANTENNA: extendable; Philco #358–1667	ea	1	1	1	2	1	1	2
	BC906/2	3A35	BATTERY: BA–35 (See note 2, Special Notes)	ea	1	29	45	72	29	45	72
	BC906/3	3A53A	BATTERY: BA–53–A (See note 2, Special Notes)	ea	1	29	45	72	29	45	72
	BC906/4	1F4P1–4. 14. 6	CABLE ASSEMBLY: coaxial; cable 14⅝" lg; cable support #20 VSS steel; Philco dwg. #358–2146.	ea	1	1	1	2	1	1	2
208	BC906/5	3D9050–59	CAPACITOR: 50 mmf ±10%; Philco #60–00505407	ea	1	2	3	5	2	3	5
213	BC906/6	3DA3–29	CAPACITOR: fixed; ceramic; 3000 mmf ±20%. 500 VDCW: Philco #305–1360.	ea	1	2	3	5	2	3	5
207	BC906/7	3D9008V–8	CAPACITOR: trimmer plate: variable brass plate: Philco #258–1201FA6.	ea	2	1	1	2	1	1	2
206	BC906/8	3D9004VA3	CAPACITOR: variable: 4.3 mmf min; effective max 13.6 mmf ±5 mmf: abs max 17.9 mmf; Philco #351–1039.	ea	1	1	1	2	1	1	2
212	BC906/9	3C318–7	CHOKE: RF; Philco #352–1042	ea	1	1	1	2	1	1	2
	BC906/10	2Z3719–1	DIAL ASSEMBLY: counter-clock-wise rotation: No. 2 scale 0–100 divisions 180°: Philco #358–1669.	ea	1	1	1	2	1	1	2
	BC906/11	3G1821–24	INSULATOR: fibre glass sheet: harvel coated; Philco #257–7098	ea	2	2	3	5	2	3	5
	BC906/12	3G1770–160. 1	INSULATOR: fibre glass sheet; harvel coated: Philco #257–7451	ea	1	2	3	5	2	3	5
220	BC906/13	2Z5572–11	JACK: type #504B; Medco Mfg. Co. Item #105–1071 (used with BC–906–E only).	ea	1	1	1	2	1	1	2
219	BC906/14	2Z5594. 2	JACK: phone; to fit PL–55 plug; Philco #358–1195	ea	1	1	1	2	1	1	2
	BC906/15	6R57400–6	KEY: Allen hex; fits No. 6 cup paint set screw, Shortarm series; Philco #258–1632.	ea	1	1	1	2	1	1	2
204	BC906/16	3F875–2	METER: 0 to 500 microammeter: Philco #455–1015	ea	1	1	1	2	1	1	2
201	BC906/17	2A294–1/S1	RECEPTACLE: antenna socket; thd mtg; single spring contact; Philco #258–6190.	ea	1	1	1	2	1	1	2
218	BC906/18	3RC20BE222K	RESISTOR: carbon; 2200 ohms ±10%; ½W; Philco #66–2223340	ea	1	2	3	5	2	3	5
215	BC906/19	3RC21AE474K	RESISTOR: carbon: 470,000 ohms ±10%; ½ W; Philco #66–4473340	ea	1	2	3	5	2	3	5
214	BC906/20	3RC21BE155K	RESISTOR: carbon; 1.5 megohm ±10%; ½ W. Philco #66–5153340	ea	1	2	3	5	2	3	5
205	BC906/21	3Z7510	RHEOSTAT: gear & detent assy; 500 ohms ±30%; Philco #358–2769	ea	1	1	1	2	1	1	2
203	BC906/22	2Z8669–6	SOCKET: tube; miniature button base; Philco #257–6038	ea	1	2	3	5	2	3	5
	BC906/23	2A294–1/S1/S1	SUPPORT: antenna socket; laminated phenolic grade o or h Philco #257–7342.	ea	1	1	1	2	1	1	2

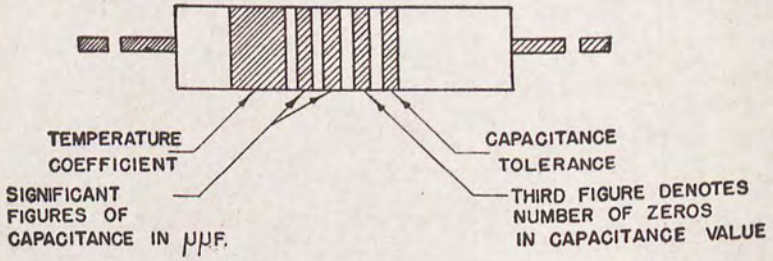
216	BC906/24	3Z9857.10	SWITCH: sensitivity; toggle: Philco #452-1045	ea	1	1	1	2	1	1	2
210	BC906/25	3Z9824-269	SWITCH: push to break; Philco #452-1036	ea	1	1	1	2	1	1	2
209	BC906/26	3Z9858	SWITCH: toggle; Philco #452-1035	ea	1	1	1	2	1	1	2
203	BC906/27	2J185	TUBE: 185 (VT-172); Philco #453-2361	ea	1	10	15	24	10	15	24
—	BC906/28	6R55499	WRENCH: No. 4 Allen set screw Philco #258-2350	ea	1	1	1	2	1	1	2

APPENDIX

Small resistors and capacitors are normally color coded to indicate capacitance, resistance and other characteristics in accordance with one of the following charts:

Figure 1—Ceramic Capacitors.
Figure 2—Molded Capacitors (6 dot system in accordance with specification JAN–C–5)
Figure 3—Molded Capacitors (old 5 dot system in accordance with AWS specification C75.3–1943)
Figure 4—Resistor Color Code

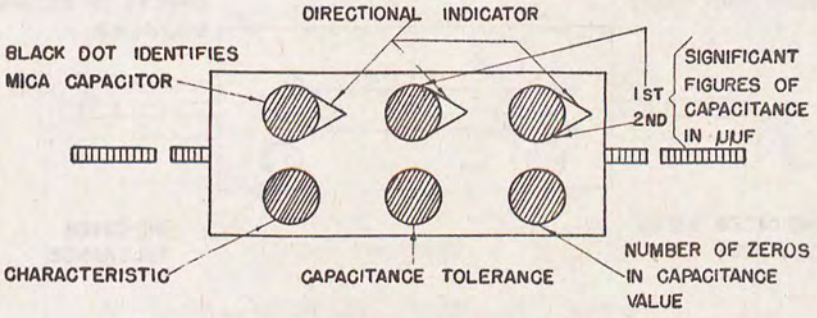
AMERICAN WAR STANDARDS COLOR CODE FOR CERAMIC-DIELECTRIC CAPACITOR



COLOR	SIG. FIGURE	MULTIPLIER	CAPACITY TOLERANCE		TEMP. COEFFICIENT IN PARTS/10^6/°C
			10 μμF & UP	UNDER 10μμF	
BLACK	0	1	20% (M)	2.0 μμF (G)	0
BROWN	1	10	1% (F)	-	-30
RED	2	100	2% (G)	-	-80
ORANGE	3	1000	-	-	-150
YELLOW	4	-	-	-	-220
GREEN	5	-	5% (J)	0.5 μμF (D)	-330
BLUE	6	-	-	-	-470
VIOLET	7	-	-	-	-750
GRAY	8	0.01	-	0.25 μμF (C)	+30
WHITE	9	0.10	10% (K)	1.0 μμF (F)	-330 +500

Figure 1

AMERICAN WAR STANDARDS COLOR CODE FOR MOLDED MICA & PAPER DIELECTRIC CAPACITORS

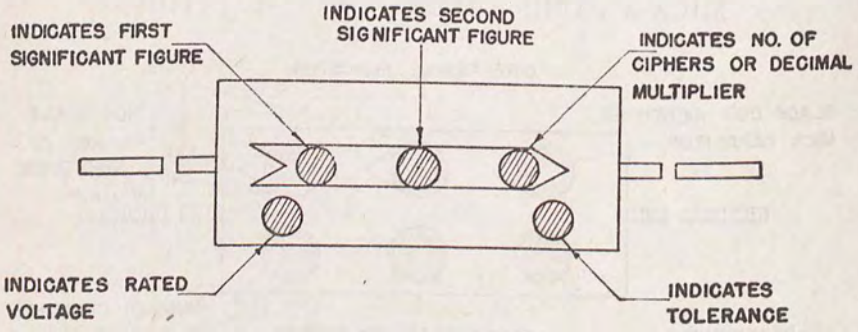


COLOR	SIG FIGURE	DECIMAL MULTIPLIER	TOLERANCE	CHARACTERISTIC
BLACK	0	1	-	
BROWN	1	10	-	
RED	2	100	2% (G)	
ORANGE	3	1000.	-	
YELLOW	4	-	-	
GREEN	5	-	-	
BLUE	6	-	-	
VIOLET	7	-	-	
GRAY	8	-	-	
WHITE	9	-	-	
GOLD	-	0.10	5% (J)	
SILVER	-	0.01	10% (K)	
BLACK	-	-	20% (M)	

Figure 2

NOTE: This Color Code also applies to Molded Paper Dielectric Capacitors, except that this type is identified by a silver dot in the top row—left and the bottom row—center. Tolerance, in the case of Molded Paper Capacitors is +60 or −20%.

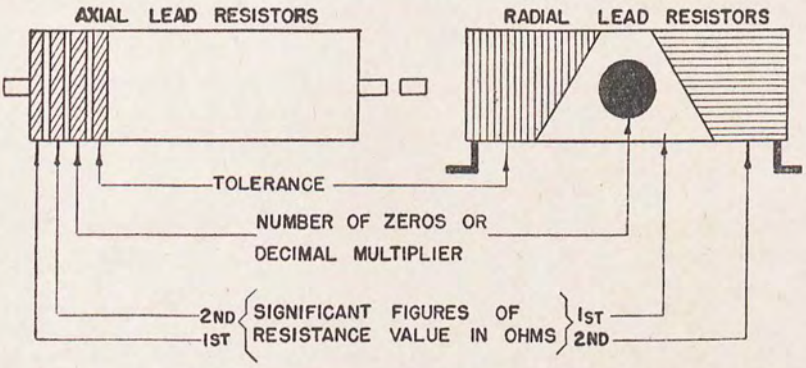
FIVE DOT CAPACITOR COLOR CODE SYSTEM



COLOR	SIG. FIGURE OR NO. OF ZEROS	DECIMAL MULTIPLIER	TOLERANCE %	VOLTAGE RATING (VOLTS)
BLACK	0	-	-	-
BROWN	1	-	1	100
RED	2	-	2	200
ORANGE	3	-	3	300
YELLOW	4	-	4	400
GREEN	5	-	5	500
BLUE	6	-	6	600
VIOLET	7	-	7	700
GRAY	8	-	8	800
WHITE	9	-	9	900
GOLD	-	0.10	5	1000
SILVER	-	0.01	10	2000
NO COLOR	-	-	20	500

Figure 3

AMERICAN WAR STANDARDS COLOR CODE FOR RESISTORS



COLOR	SIG. FIGURE	MULTIPLIER	TOLERANCE
BLACK	0	-	-
BROWN	1	-	-
RED	2	-	-
ORANGE	3	-	-
YELLOW	4	-	-
GREEN	5	-	-
BLUE	6	-	-
VIOLET	7	-	-
GRAY	8	-	-
WHITE	9	-	-
GOLD		0.10	± 5 % (J)
SILVER		0.01	±10 % (K)
NO COLOR		-	±20 % (M)

Figure 4

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