

Rescued per DACW. 310-8, 9 Feb 1955

ARMY SERVICE FORCES
CATALOG

SIG 8-BC-746

Ref. TM 11-245

SIGNAL SUPPLY CATALOG

Higher Echelon Spare Parts for
Tuning Unit BC-746

Supersedes SIG 8-BC-746, dated 1 July 1944

See "SIG 8-1 Notes", for general description of ground non-radar equipment catalog pamphlets in the SIG 8 series. These notes cover expendability, requisitioning instructions, and explanations of the use of these pamphlets.

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

Army Service Forces Signal Supply Catalog, SIG 8-BC-746, Higher Echelon Spare Parts for Tuning Unit BC-746, has been prepared under the supervision of the Chief Signal Officer, and is published for the information and guidance of all concerned.

[SPX 461 (20 Dec 44).]

BY COMMAND OF LIEUTENANT GENERAL SOMERVELL:

W. D. STYER,
*Lieutenant General, U. S. A.,
Chief of Staff.*

OFFICIAL:

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

DISTRIBUTION:

AAF (10); AGF (10); ASF (2); Dept (10); AAF C (2); Arm & Sv Bd (2); S Div ASF (1); Def C (2); Tech Sv (2); SvC (10); Area SvC (5); ATC (5); PE (5); ASF Dep (Sig Sec) (5); Dep 11 (5); Gen Oversea SOS Dep (Sig Sec) (5); AGF Repl Dep (5); Pro Dist 11 (5); Inspe Z 11 (5); Gen & Sp Sv Sch (3); USMA (2); Lab 11 (5); SvC Rep Sh (5); Rep Sh 11 (5); WDGS Lib (5); A (10); CHQ (10); D (2); AF (2); six copies to each of the following T/O & E's: 11-7; 11-15; 11-47; 11-57; 11-95; 11-107; 11-127; 11-237; 11-517; 11-557; 11-577; 11-587; 11-592; 11-597.

Three copies to the following: T/O & E 2-137; 5-17; 5-87; 5-116; 5-172; 5-226; 5-236; 5-276; 5-456; 5-457.

For explanation of symbols, see FM 21-6.

Headquarters, Army Service Forces 10 January 1945

Item Reference No. TM 11-245	Illustration Figure No.	Equipment Item No.	Signal Corps Stock No.	Identification Nomenclature	Unit of Measure	Quantity per assembly	Maintenance (Initial working guide)				Supply (Initial stockage guide)		
							3d echelon			4th	Army depot	Base depot 1 yr.	
							16-30 equip.	31-70 equip.	71-130 equip.	200 equip.	200 equip.	250 equip.	500 equip.
C29		BC746/27	3D9006VE5	CAPACITOR, variable, air dielectric, 6.5-140 mmf, Galvin #19A34504.	ea	1	1	1	1		3	3	5
L1		BC746/1	2C8100-746A/C1.	COIL, antenna, channel #1, frequency 3010 KC, Galvin #24C35993.	ea	1	1	1	2		3	15	24
L1		BC746/2	2C8100-746A/C2.	COIL, antenna, channel #2, frequency 3825 KC, Galvin #24K35994.	ea	1	1	1	2		3	15	24
L1		BC746/3	2C8100-746A/C3.	COIL, antenna, channel #3, frequency 3995 KC, Galvin #24K35995.	ea	1	1	1	2		3	15	24
L1		BC746/4	2C8100-746A/C4.	COIL, antenna, channel #4, frequency 4845 KC, Galvin #24K35996.	ea	1	1	1	2		3	15	24
L1		BC746/5	2C8100-746A/C5.	COIL, antenna, channel #5, frequency 5500 KC, Galvin #24K35997.	ea	1	1	1	2		3	15	24
L1		BC746/6	2C8100-746A/C6.	COIL, antenna, channel #6, frequency 5880 KC, Galvin #24K35998.	ea	1	1	1	2		3	15	24
L1		BC746/20	2C8100-746A/C21.	COIL, antenna, channel #7, frequency 3245 KC, Galvin #24K47590.	ea	1	1	1	2		3	15	24
L1		BC746/21	2C8100-746A/C22.	COIL, antenna, channel #8, frequency 3525 KC, Galvin #24K47591.	ea	1	1	1	2		3	15	24
L1		BC746/22	2C8100-746A/C23.	COIL, antenna, channel #9, frequency 3655 KC, Galvin #24K47592.	ea	1	1	1	2		3	15	24
L1		BC746/23	2C8100-746A/C24.	COIL, antenna, channel #10, frequency 3735 KC, Galvin #24K47593.	ea	1	1	1	2		3	15	24
L1		BC746/24	2C8100-746A/C25.	COIL, antenna, channel #11, frequency 4780 KC, Galvin #24K47594.	ea	1	1	1	2		3	15	24
L1		BC746/25	2C8100-746A/C26.	COIL, antenna, channel #12, frequency 5030 KC, Galvin #24K47595.	ea	1	1	1	2		3	15	24
L1		BC746/26	2C8100-746A/C27.	COIL, antenna, channel #13, frequency 5305 KC, Galvin #24K47596.	ea	1	1	1	2		3	15	24
L2		BC746/7	2C8100-746A/C7.	COIL, tank, RF, channel #1, set at 3010 KC, Galvin #24C35981.	ea	1	1	1	2		3	12	20
L2		BC746/8	2C8100-746A/C8.	COIL, tank, RF, channel #2, set at 3825 KC, Galvin #24C35982.	ea	1	1	1	2		3	12	20
L2		BC746/9	2C8100-746A/C9.	COIL, tank, RF, channel #3, set at 3995 KC, Galvin #24K35983.	ea	1	1	1	2		3	12	20

I.2	BC746/10	2CS100-746A/ C10.	COIL, tank, RF, channel #4, set at 4845 KC, Galvin #24K35984.	ca	1	1	1	2	3	12	20	
I.2	BC746/11	2CS100-746A/ C11.	COIL, tank, RF, channel #5, set at 5500 KC, Galvin #24K35985.	ca	1	1	1	2	3	12	20	
I.2	BC746/12	2CS100-746A/ C12.	COIL, tank, RF, channel #6, set at 5880 KC, Galvin #24K35986.	ca	1	1	1	2	3	12	20	
I.2	BC746/13	2CS100-746A/ C13.	COIL, tank, RF, channel #7, set at 3245 KC, Galvin #24K47747.	ca	1	1	1	2	3	12	20	
I.2	BC746/14	2CS100-746A/ C14.	COIL, tank, RF, channel #8, set at 3525 KC, Galvin #24K47748.	ca	1	1	1	2	3	12	20	
I.2	BC746/15	2CS100-746A/ C16.	COIL, tank, RF, channel #9, set at 3655 KC, Galvin #24K47749.	ca	1	1	1	2	3	12	20	
I.2	BC746/16	2CS100-746A/ C17.	COIL, tank, RF, channel #10, set at 3735 KC, Galvin #24K47750.	ca	1	1	1	2	3	12	20	
I.2	BC746/17	2CS100-746A/ C18.	COIL, tank, RF, channel #11, set at 4780 KC, Galvin #24K47751.	ca	1	1	1	2	3	12	20	
I.2	BC746/18	2CS100-746A/ C19.	COIL, tank, RF, channel #12, set at 5030 KC, Galvin #24K47752.	ca	1	1	1	2	3	12	20	
I.2	BC746/19	2CS100-746A/ C20.	COIL, tank, RF, channel #13, set at 5305 KC, Galvin #24K47753.	ca	1	1	1	2	3	12	20	
	BC746/19. 3	2C8100-746A/ C7/1.	CONNECTOR, 2 contacts, Galvin #1X34690 (for RF coil).	ca	1	1	2	3	3	4	24	40
	BC746/19. 5	2Z3020	CONNECTOR, 10 contact and 3 dummy lugs, Cinch #9X34694.	ca	1	1	2	3	3	4	24	40
	BC746/28	2Z3543. 17	CRYSTAL SET, consisting of one each of 26 Crystal Holder FT-243 with transmitter and receiver crystals of the following frequencies, for operating Tuning Unit BC-746:	set	1	1	2	3	3	5	30	50

RECEIVER CRYSTALS

3465 kc. 4110 kc. 4450 kc. 5485 kc.
3700 kc. 4190 kc. 5235 kc. 5760 kc.
3980 kc. 4280 kc. 5300 kc. 5955 kc.
6335 kc.

TRANSMITTER CRYSTALS

3010 kc. 3655 kc. 3995 kc. 5030 kc.
3245 kc. 3735 kc. 4780 kc. 5305 kc.
3525 kc. 3825 kc. 4845 kc. 5500 kc.
5880 kc.

NOTE: Individual crystals may be requisitioned by giving frequency desired in the stock number and description in the following manner:

Item Reference No. TM 11-245	Illustration Figure No.	Equipment Item No.	Signal Corps Stock No.	Identification Nomenclature	Unit of Measure	Quantity per assembly	Maintenance (Initial working guide)				Supply (Initial stockage guide)					
							3d echelon			4th	Army depot	Base depot 1 yr.				
							16-30 equip.	31-70 equip.	71-130 equip.	200 equip.	200 equip.	250 equip.	500 equip.			
				For transmitter crystals: 2X10-3245 CRYSTAL AND HOLDER FT-243, freq. 3245 kc.												
				For receiver crystals: 2X11-3700 CRYSTAL AND HOLDER FT-243, freq. 3700 kc.												
	BC746/31	3RC20AE102K		RESISTOR, fixed, carbon, 1000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	ea.	1	1	1	1		3	6	10			
	BC746/30	3RC20BE392K		RESISTOR, fixed, carbon, 3900 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	ea.	1	1	1	1		3	6	10			
	BC746/32	3RC20BE562K		RESISTOR, fixed, carbon, 5600 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	ea.	1	1	1	1		3	6	10			
R26	BC746/32. 3	3RC16CE153K		RESISTOR, fixed, carbon, 15,000 ohms $\pm 10\%$, $\frac{1}{4}$ watt, non-insulated.	ea.	1	1	1	1		3	6	10			
R28	BC746/32. 5	3RC16CE154K		RESISTOR, fixed, carbon, 150,000 ohms $\pm 10\%$, $\frac{1}{4}$ watt, non-insulated.	ea.	1	1	1	1		3	6	10			
R22, R27	BC746/32. 7	3Z6660-31		RESISTOR, fixed, carbon, 60,000 ohms $\pm 10\%$, $\frac{1}{4}$ watt, non-insulated, Stackpole Type M 1/5 N.I.	ea.	1	1	1	2		3	12	20			
R23	BC746/32. 9	3RC16CE204J		RESISTOR, fixed, carbon, 200,000 ohms $\pm 5\%$, $\frac{1}{4}$ watt, non-insulated.	ea.	1	1	1	1		3	8	12			
R24, R29	BC746/32. 2	3RC16CE334K		RESISTOR, fixed, carbon, 330,000 ohms $\pm 10\%$, $\frac{1}{4}$ watt, non-insulated.	ea.	1	1	1	2		3	12	20			
R25	BC746/32. 4	3RC16CE474K		RESISTOR, fixed, carbon, 470,000 ohms $\pm 10\%$, $\frac{1}{4}$ watt, non-insulated.	ea.	1	1	1	1		3	8	12			
	BC746/35	2Z8674. 2		SOCKET, crystal mounting, 4 contact, Cinch #9800 (for 2 crystals).	ea.	1	1	1	1		3	3	3			
		(Order through AGO channels)		TECHNICAL MANUAL TM 11-245	ea.	2										
				Estimated Weight	lbs.		5	5	8							
				Estimated Volume	cu ft		.2	.2	.3							