

Superseded by Sig 7+8 Am-103/U, 2 Apr 53

ARMY SERVICE FORCES
CATALOG

SIG 8-AM-103/U

Ref. TM-11-377

SIGNAL SUPPLY CATALOG

Higher Echelon Spare Parts for

Amplifier AM-103/U

SPECIAL NOTES

1. Amplifier AM-103/U was formerly known as Recorder Driving Unit Type #4C.
2. Illustration figure number indicated in column 3 of this catalog refers to illustration in TM 11-377.

SIG 1, Introduction, is published as a guide to all sections of the Signal Supply Catalog. An explanation of the purpose and use of each section, requisitioning instructions, sample Property Issue Slips and Requisitions, are a part of its contents. A copy of SIG 1 should be in the possession of every user of any part of the Army Service Forces Signal Supply Catalog.

HEADQUARTERS, ARMY SERVICE FORCES,
WASHINGTON 25, D. C., 19 MAY 1945.

This Army Service Forces Signal Supply Catalog SIG 8-AM-103/U, Higher Echelon Spare Parts for AMPLIFIER AM-103/U, has been prepared under the supervision of the Chief Signal Officer, and is published for the information and guidance of all concerned.

(SPX 461 (11 May 45).

BY COMMAND OF GENERAL SOMERVELL:

OFFICIAL:

J. A. ULIO,

Major General,

The Adjutant General.

LE. LUTES,

Major General, G.S.C.,

Chief of Staff.

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Refer to FM 21-6 for explanation of distribution formula.

Headquarters, Army Service Forces

May 1945

Item Number	Reference Symbol	Illustration Fig. No.	Stock Number	Nomenclature	Unit of Measure	Quantity per Equip.	Supply (Initial Stockage Guide)		
							Army	Base 1 year	
							3 Equip.	5 Equip.	10 Equip.
			2C449-103	AMPLIFIER AM-103/U: AF; 30 ma output; 19" wd x 12" d x 10 $\frac{1}{2}$ " h overall (operating power 110 v, 60 cyc, single ph, 175 w; includes 7 tubes and 7 spares and one instruction book) (formerly Boehme Recorder Driving Unit Type #4C).					
			(Order through AGO channels) 2Z395. 13	TECHNICAL MANUAL TM 11-377					
1	301. R-2	80. 81. 92	6D9211B4	ATTENUATOR, variable: ladder; wire wound; 30 to 500 ohms; 1.5 w; case 2 $\frac{3}{4}$ " diam x 1 $\frac{13}{16}$ " d, shaft $\frac{1}{4}$ " diam for $\frac{1}{4}$ " panel; Tech Lab Type LA-95 Boehme #4C-65 (w/dial).	ea	1	1	2	3
2			3DA500-45	BOOK, instruction: Recorder Driving Unit Type #4-C; Boehme issue 6/19/44	ea	1	2	12	20
3	316. C-10	80. 92	3DB1. 6100B	CAPACITOR, fixed: paper, oil filled; 500,000 mmf $\pm 10\%$; 600 vdcw; 1 $\frac{13}{16}$ " lg x 1" wd x $\frac{7}{8}$ " thk; Solar type #XDROW6-. 5-10; Boehme #4C-74.	ea	4	1	4	6
4	314. C-1, C-2	80. 92	3DB2. 200-4	CAPACITOR, CA-245: fixed; paper, oil filled; 1 mf + 14% - 6%; 600 vdcw; 1 $\frac{3}{4}$ " lg x 1 $\frac{1}{8}$ " wd x $\frac{1}{2}$ " h; Dubilier #TJU-6010; Boehme #4C-79A.	ea	2	1	3	4
5	309. C-3	80. 92	4A1213/62	CAPACITOR, fixed: paper, oil filled; 1 mf $\pm 10\%$; 600 vdcw; 2" lg x 1 $\frac{3}{4}$ " wd x $\frac{7}{8}$ " thk; Dubilier #DYR-6100; Boehme #4C-75	ea	1	1	2	3
6	316. C-4 thru C-9	80. 92	4A1213/61	CAPACITOR, fixed: paper, oil filled; 2 mf $\pm 10\%$; 600 vdcw; 1 $\frac{13}{16}$ " lg x 1 $\frac{1}{8}$ " wd x 2 $\frac{3}{8}$ " h; Ineco #6SAU200; Boehme #4C-77.	ea	6	1	5	8
7	323. CH-1, CH-2	81	4A1213/63	COIL, AF: filter; single winding; 15 hy; 120 ma, 220 ohms DC resistance; case 4" x 3 $\frac{3}{8}$ " x 4 $\frac{1}{8}$ " h; Kenyon #KC-15-120; Red Arrow #312; Boehme #4C-62.	ea	2	1	2	3
8	326. CH-3	81. 92	4A1213/B	COIL, AF: filter; single winding; 40 hy; 60 ma, 500 ohms DC resistance; case 4" x 3 $\frac{3}{8}$ " x 4 $\frac{1}{8}$ " h; Kenyon #KC-40-60; Red Arrow #311; Boehme #4C-61.	ea	1	1	2	2
9	325. F-1	81. 92	2Z5524	FILTER, high pass: 500 cyc cut-off; case 3" x 2 $\frac{1}{2}$ " x 3" h; UTC #15213; Boehme #4C-63 less mtg plate (4 screw term; 2 mtg holes on 1 $\frac{13}{16}$ " centers)	ea	1	1	2	2
10	322. F-2	81. 92	2Z5835	FILTER, low pass: 500 cyc peak; 4" lg x 3 $\frac{1}{2}$ " wd x 1 $\frac{3}{4}$ " h overall less cont; Boehme #4C-BA.	ea	1	1	2	2
11	J	80. 92	3F892	JACK JK-24: for 3 cond plug 0.25" diam; 3 $\frac{3}{8}$ " lg x 1 $\frac{13}{16}$ " wd x $\frac{3}{8}$ " h overall; WECO #218-A; Boehme #4C-79.	ea	1	1	2	3
12		53, 81		KNOB, round; black bakelite; for $\frac{1}{4}$ " diam shaft; double set screw; white pointer; 1 $\frac{5}{8}$ " diam w/skirt 2" diam x $\frac{3}{4}$ " h; GR #637-J; Boehme #4C-84 (fluted knurling).	ea	4	1	3	5
13	330. M-1	81. 92		METER, milliammeter: DC: 0-2 ma; round, bakelite flush mtg case; 2 $\frac{11}{16}$ " diam flange x 2 $\frac{13}{16}$ " diam body x $\frac{11}{16}$ " d; Weston #506; Boehme #4C-71	ea	1	1	3	5

14	331, M-2	81, 92	3F905-5	METER, milliammeter: DC; 50-0-50 ma; round, bakelite flush mtg case; 2 ¹¹ / ₁₆ " diam flange x 2 ¹³ / ₁₆ " diam body x ¹¹ / ₁₆ " d; Weston #506; Boehme #4C-72.	ea..	1	1	3	5
15	333, R-9	80, 92	3RC31BF203J	RESISTOR, fixed: composition; 20,000 ohms ±5%; 1 w; 0.310" diam x 1.28" lg; RC31BF203J.	ea..	1	1	2	3
16	332, R-8	80, 92	3RC31BE204J	RESISTOR, fixed: composition; 200,000 ohms ±10%; 1 w; 0.310" diam x 1.28" lg; RC31BE204J.	ea..	1	1	2	3
17	305, R-1	80, 92	3Z6010-13	RESISTOR, fixed: wire wound; 100 ohms ±1%; 1 w; ³ / ₁₆ " diam x 1" lg; Shallcross #100; Boehme #4C-68.	ea..	1	1	2	3
18	304, R-3	80, 92	3Z6050-5	RESISTOR, fixed: wire wound; 500 ohms ±1%; 1 w; ¹ / ₂ " diam x 1" lg; Shallcross #190; Boehme #4C-70.	ea..	1	1	2	3
19	303, R-4	80, 92	3Z6500-167	RESISTOR, fixed: wire wound; 5000 ohms; 10 w; ¹ / ₂ " diam x 1 ¹³ / ₁₆ " lg; Ohmite code CARIB; Boehme #4C-64 (cartridge type w/ferrule ends).	ea..	1	1	2	3
20	302, R-7	80, 92	3Z6700-13	RESISTOR, fixed: wire wound; 100,000 ohms ±1%; 1 w; ³ / ₁₆ " diam x 1" lg; Shallcross #100; Boehme #4C-69.	ea..	1	1	2	3
21	315, R-5	80, 92	4A1213/67	RESISTOR, variable (potentiometer): wire wound; 10,000 ohms; 12 w; 3 term; body ¹ / ₄ " diam x 2 ⁵ / ₈ " d, shaft ³ / ₈ " diam x 1" lg; GR #471-A; Boehme #4C-67 (w/knob).	ea..	1	1	4	6
22	307, R-6	80, 92	4A1213/66	RESISTOR, variable (potentiometer): wire wound; 50,000 ohms; 12 w; 3 term; body ¹ / ₄ " diam x 2 ⁵ / ₈ " d, shaft ³ / ₈ " diam x 1" lg; GR #471-A; Boehme #4C-66 (w/knob).	ea..	1	1	4	6
23	317, VT-6, VT-7	80	2Z8674, 50	SOCKET, tube: 4-prong; isolantite; body 2 ¹ / ₄ " lg x 1 ⁵ / ₈ " wd x ³ / ₁₆ " thk; Natl Co #XC-4; Boehme #4C-52.	ea..	2	1	3	4
24	308, VT-2	80	2Z8763, 8	SOCKET, tube: 5-prong; isolantite; body 2 ¹ / ₄ " lg x 1 ⁵ / ₈ " wd x ³ / ₁₆ " thk; Natl Co. #XC-5; Boehme #4C-53.	ea..	1	1	2	3
25	310, VT-1, VT-3, VT-4, VT-5	80	2Z8676, 28	SOCKET, tube: 6-prong; isolantite; body 2 ¹ / ₄ " lg x 1 ⁵ / ₈ " wd x ³ / ₁₆ " thk; Natl Co #XC-6; Boehme #4C-51.	ea..	4	1	4	6
26	312, S-2	80, 92	3Z9826-4, 1	SWITCH, rotary: 4 pole, 5 positions; 4 sect; bakelite; body 2 ³ / ₄ " lg x 2 ¹ / ₄ " wd x 2 ¹³ / ₁₆ " h; Mallory #1346 modified per Boehme #4C-78 (10 amp, 110 v).	ea..	1	1	4	7
27	313, S-1	80, 92	3Z9857, 3	SWITCH, toggle: DPST; flush bakelite body; for 1 ¹ / ₂ " box; Hubbell #9806; Boehme #4C-83 (20 amp, 125 v; indicating black bakelite handle).	ea..	1	1	3	4
28	321, T-3	81, 92	4A1213/57	TRANSFORMER, AF: input; pri multiple line to sec; 80,000 ohms impedance, CT; upright shielded; body 3 ¹ / ₂ " x 3 ¹ / ₈ " x 3 ³ / ₄ " h; Kenyon #KLGA; Langevin #L-540; Boehme #4C-57 (8 top mtd term; 4 mtg holes).	ea..	1	1	2	2
29	318, T-4	81, 92	4A1213/58	TRANSFORMER, AF: interstage; pri 15,000 ohms, sec 200,000 ohms; upright shielded; body 3 ¹ / ₂ " x 3 ¹ / ₈ " x 3 ³ / ₄ " h; Kenyon #KPP-12A; Langevin #L-541; Boehme #4C-58.	ea..	1	1	2	2
30	324, T-1	81, 92	4A1213/60A	TRANSFORMER, power: fl; fully inclosed metal case; pri 110 v, 60 cps; sec #1 6.3 v, 3.5 amp, CT; #2 2.5 v, 3 amp, CT; #3 2.5 v, 3 amp, CT; case 4" x 3 ³ / ₈ " x 4 ¹ / ₈ " h; Kenyon #S-1237; Red Arrow #309; Boehme #4C-60A.	ea..	1	1	2	3

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							Army Equip.	Base 1 year		
								3 Equip.	5 Equip.	10 Equip.
31	328, T-2	81, 92	4A1213/59A	TRANSFORMER, power; plate; fully inclosed metal case; pri 110 v. 60 cps; secd #1 400 v. 100 ma. CT; secd #2 375 v. 100 ma. CT; case 4" x 5 7/8" x 4 5/8" h; Kenyon #S-2417; Red Arrow #307; Boehme #4C-59A (4 mtg holes for #8 screws; 12 solder term).	ea	1	1	2	3	
32	320, V-1, V-3, V-4, V-5	81, 92	2J42	TUBE, electron; JAN-42	ea	4	8	144	288	
33	327, V-6, V-7	81, 92	2J82	TUBE, electron; JAN-82	ea	2	5	96	192	
34	319, V-2	81, 92	2J84	TUBE, electron; JAN-84	ea	1	3	48	96	