

*Reissued per DA Cir. 310-8, 9 Feb. 55*

**DEPARTMENT OF THE ARMY  
SUPPLY CATALOG**

**SIG 7 & 8 GR-3**

*Organizational Maintenance Allowances  
and Field and Depot Maintenance Stockage Guide  
for*

**SOUND RANGING SET GR-3-C**

*Supersedes: SIG 7-GR-3, 10 October 1944; SIG 8-GR-3, 1 July 1944; SIG 8-BK-9 1 July 1944;  
SIG 8-BD-85, 1 July 1944; SIG 8-BD-62, 1 July 1944*

*Ref: TM 11-444*

1. A copy of SIG 1 should be available to every user of any part of the Signal portion of the Army Supply Catalog. SIG 1 includes—
  - a. An explanation of the purpose and use of the Signal portion of the Army Supply Catalog.
  - b. Alphabetical and numerical indexes of available catalogs in the Signal portion of the Army Supply Catalog.
2. Department of the Army Supply Catalogs for the following equipments are also required for complete maintenance allowance data of the equipment covered herein:

Chest Set TD-1

Test Set I-56-K

Generator GN-38

Test Set I-176

Handset TS-9

Test Set TS-26/TSM

Headset HS-30

Tool Equipment TE-37

Microphone T-23

Tool Set TE-6

Oscillograph Equipment IE-14

Tube Tester I-177

Telephone EE-8

Voltohmometer I-166

See SIG 1, Section III, for the availability of supply catalogs listing maintenance allowance data for the above-named equipments.

3. Maintenance of the Sound Ranging Set GR-3-C and/or any of its components will be continued as long as items appearing on the Maintenance Parts List are available. As parts become unobtainable, maintenance can be continued by cannibalization as long as feasible and thereafter the equipment shall be replaced by the Sound Ranging Set GR-8-( ).

4. Unless otherwise indicated the unit of measure of all items listed herein is each (ea).

5. Those spare part items not regularly authorized for stockage by using organizations, but which may be obtained through normal requisitioning procedures where a repair operation involving the part is considered practicable, are indicated by a percent symbol (%) in the appropriate column.

6. Items marked X under Expendability Note are expendable within the meaning of AR 35-6620; nonexpendable items are marked NX.

**DEPARTMENT OF THE ARMY**

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**SEPTEMBER 1951**

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7. SIG 7 & 8-GR-3 consists of three parts as follows:

a. *Maintenance items.* A list of parts for repair and supply facilities as follows:

Sound Ranging Set GR-3-C	Page 1
Control Board BD-85-A, B, C, D	Page 5
Relay Unit BK-9-C	Page 6
Switchboard BD-62-B, C	Page 7

b. *Stock number list.* A list of all stock numbers in the Maintenance Items portion arranged in stock number sequence and cross-referenced to page numbers to facilitate compliance with SB 11-47.

c. *Basic issue items.* A list of component parts showing the quantities of each that comprise a complete operating equipment, including running spares, that is, those spare parts shipped concurrently with the equipment, and accessories. All suffix letters have been omitted where variations of such letters do not affect the interchangeability of the item as a whole. Control Board BD-85-A, B, C; Switchboard BD-62-B, C, and Protector AR-8-A, are subassembly items for which separate lists are included herein. The following components are subassembly items for which the Department of the Army Supply Catalog, prepared to cover the specific component, is required for a complete breakdown of the initial issue items:

Microphone T-23  
Oscillograph Equipment IE-14  
Telephone EE-8  
Test Set I-56-K  
Test Set TS-26/TSM  
Tool Equipment TE-37  
Tool Set TE-6

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DEPARTMENT OF THE ARMY  
WASHINGTON 25, D. C., 27 September 1951

Department of the Army Supply Catalog SIG 7 & 8 GR-3 is published for the information and guidance of all concerned.

[AG 461 (17 Sep 51)]

BY ORDER OF THE SECRETARY OF THE ARMY:

OFFICIAL:

WM. E. BERGIN  
Major General, USA  
The Adjutant General

J. LAWTON COLLINS  
Chief of Staff, United States Army

DISTRIBUTION:

Tech Svc (1); Arm & Svc Bd (1); AFF Bd (ea Svc Test Sec) (1); AFF (10); AA Comd (2); OS Maj Comd (10); Base Comd (5); MDW (5); Log Comd (5); A (20); CHQ (2); D (2); FC (2); Sch (2) except 11 (5); Dep (except Sec of Gen Dep) (5); Dep 11 (including Sig Sec of Gen Dep (25); GH (2); PE (10), OSD (2); PG (2); Ars (2); Lab (2) except 11 (5); 4th & 5th Ech Maint Shops 11 (5); Two (2) copies to each of the following T/O & E's; 6-75; 6-76; 6-77; 11-7N; 11-15N; 11-57N; 11-95; 11-98; 11-107; 11-127; 11-500, AD, CA, CB, CC, CD; 11-537T; 11-557; 11-587; 11-592; 11-597; SPECIAL DISTRIBUTION.

For explanation of distribution formula, see SR 310-90-1.

SIGNAL CORPS STOCK NUMBER	FEDERAL COMMODITY CLASSIFICATION AND IDENTIFICATION NUMBER	REFERENCE SYMBOL	MAINTENANCE ITEMS												SUPPLY STOCK GUIDE DEPOT DEPOT REPAIR ARMY BASE TACTICAL	
			DESIGNATION BY			DESCRIPTION			AUTHORIZED ALLOWANCES			MAINTENANCE STOCK GUIDE				
			QUANTITY PER EQUIP	SPARES	BURNING	ORGANIZATIONAL ECHELON	TACTICAL STATION	2ND ECHELON	3RD ECHELON	4TH	5TH	6TH	7TH	8TH		
1-4	5-20	EQUIP EQUIP	1-4	5-20	EQUIP EQUIP	1-4	5-20	50	100	50	100	50	100	50	100	
4G3003C			SOUND RANGING SET GR-3-C; Portable; photographic recording of sound arrivals from mic of low freq range; 24 v DC												NX	
Order thru AGO			TECHNICAL MANUAL TM 11-444; GR-3	-	-	-	-	-	-	6	21	91	179	91	880 NX	
3B29			BATTERY BB-29; storage	8	8	%	%	-	-	-	-	-	-	-	X	
4C310D			BELL; vibrating; adj; 14 to 40 v DC	1	-	%	%	-	-	1	2	1	10	10	X	
4E681			BLOCK, protector: tp sub-station prot; 3/4" h x 3/8" wd x 3/8" d; 25 to 50 v AC, 60 cyc (p/o AR-B)	22	33	%	%	-	-	266	469	266	2344	2344	X	
4E682			BLOCK, protector: tp sub-station prot; 3/4" h x 3/8" wd x 3/8" d (p/o AR-B)	22	20	%	%	-	-	266	469	266	2344	2344	X	
1B8			CABLE, bulk (for Cord CO-38, see WIRE, insulated)	18	-	%	%	-	-	24	44	24	220	220	X	
3E2144			WIRE, electrical: Wire W-8; 2 No 16 AWG stranded cond; 26 No 30 AWG strands (p/o Cord CO-50) ft	72	-	%	%	-	-	82	160	82	790	790	X	
3E2139			CABLE, power: Cordage CO-144; 2 No 18 AWG cond; stranded (p/o Cord CD-128) ft	72	-	%	%	-	-	101	200	101	980	980	X	
1B3020-30			CABLE, power: Cordage CO-139; 8 stranded cond, 2 No 14 AWG and 6 No 20 AWG (p/o Cord CD-438, CD-439, CD-443, CD-444) ft	90	-	%	%	-	-	182	374	182	1772	1772	X	
3E1428			CABLE, telephone: general purpose; 30 No 20 AWG cond; 1t; 10 No. 30 AWG strands	55	-	%	%	-	-	182	374	182	1772	1772	X	
3E1438			CABLE ASSEMBLY, AF: Cord CD-428; general purpose; 72" 1g; 2 No 18 AWG cond (connects BD-62 to BU-85)	9	6	%	%	1	1	4	13	24	13	119	X	
3E1439			CABLE ASSEMBLY, power: Cord CD-438; general purpose; 20 ft 1g; 8 stranded cond, 2 No 14 AWG and 6 No. 20 AWG	2	-	%	%	1	1	4	7	4	34	34	X	
3E1443			CABLE ASSEMBLY, power: Cord CD-439; general purpose; 17-1/4" 1g; 8 stranded cond, 2 No 14 AWG and 6 No 20 AWG (BU-85 to IE-14)	1	-	%	%	1	1	1	4	7	4	34	X	
3E1444			CABLE ASSEMBLY, power: Cord CD-444; general purpose; 14" 1g 8 stranded cond, 2 No 14 AWG and 6 No 20 AWG (BU-85 to IE-14)	2	-	%	%	1	1	1	4	7	4	34	X	
3E2038			CABLE ASSEMBLY, power: Cord CO-38; general purpose 12" 1g; single No 10 AWG cond (battery interconnection)	6	4	%	%	1	1	4	13	24	13	119	X	

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					AUTHORIZED ALLOWANCES		STOCK GUIDE		STOCK GUIDE		DEPOT	
					ORGANIZATIONAL	FIELD	FIXED	REPAIR	ARMY BASE	DEPOT	ARMY BASE	EXPENDABILITY
SPARES RUNNING	PER EQUIP ITEM	EQUIPMENT	SPARES RUNNING	EQUIPMENT	1ST ECHELON	2ND ECHELON	2ND ECHELON	3RD ECHELON	4TH	5TH	50	100
1-4	5-20	EQUIP	1-4	EQUIP	EQUIP	EQUIP	EQUIP	EQUIP	EQUIP	EQUIP	EQUIP	EQUIP
3E2050A				SOUND RANGING SET GR-3-C (Continued)								
3E1250B				CABLE ASSEMBLY, power: Cord CO-50-A; general purpose; 72" 1g; 2 No 16 AWG cond (connects batteries to control board)	3	1	%	%	1	2	7	13
3B29/10				CABLE ASSEMBLY, telephone: Cord CD-250-B; 50 ft 1g; 30 No 20 AWG cond (connects RD-62 to AR-8)	1	-	%	%	1	2	4	2
3DA500-451				CAP, battery: vent plug (u/w Battery BB-29)	16	-	%	%	-	-	74	144
4G325.1				CAPACITOR: Fixed; paper; 500,000 mm <sup>2</sup> +20% -10%	4	-	%	%	1	1	3	3
6G202.11				600 vdeg (p/o Outpost Connecting Box BE-71)							23	X
4BA17				CASE, motor	1	-	%	%	-	-	3	5
6Z1906				CLEMENT, liquid: general purpose; 203 cntr	1	-	3	12	2	7	48	92
3C158				CHEST SET TD-1	1	-	%	%	-	-	1	2
2ZT226-145				CLAMP TM-106; ground connection; adj for 3/8" to 1-1/4" pipe (ground clamp)	1	-	%	%	-	-	1	1
2ZT226-146				CLOTH, textile: absorbent cotton	5	-	%	%	-	-	3	27
3E66				COIL C-15B; 8 hy; 100 ohm +5% resistance; open frame (p/o Outpost Connecting Box BE-71)	1	-	%	%	1	1	48	460
3E67				CONNECTOR, plug: Plug PL-145; 9 rd cont; straight	6	-	%	%	1	1	5	39
3E327				CONNECTOR, plug: Plug PL-146; 8 rd cont; straight	6	-	%	%	1	1	5	39
6B400				CORD CC-66: switchboard; 10" 1g 2 No 18 AWG stranded cond (patch cord)	10	-	%	%	-	-	59	570
2B226.1				CORD CC-67: switchboard; 36" 1g; 2 No 18 AWG stranded cond (patch cord)	2	-	%	%	-	-	14	130
4G394				CORD CC-327: switchboard; 72" 1g (p/o Outpost Unit BE-51)	2	-	%	%	-	-	14	26
4G3003C/K1				COTTON: absorbent	1	-	%	%	4	14	59	570
8A980				COVER: microphone shelter	6	-	%	%	-	5	10	5
4G3003C/F3				COVER BG-74; oscilloscope assembly	1	-	%	%	-	1	2	12
6A1174				DEVELOPING KIT, photographic	8	-	%	%	10	39	174	1700
3Z22427				DRYER, film: liquid; 1 qt can	2	-	%	%	3	12	48	460
4G632				FITTING, tubing: 90 deg elbow; 5/16" OD, 3/16" ID	3	-	%	%	-	-	3	14
66673.7				FUNNEL PH-174; F; 4" 1g across top	4	-	%	%	-	-	2	17
3Z3350-148				FUSE, cartridge: 5 amp (p/o Protector AR-B-A)	22	-	46	193	27	117	901	8880
6Z5003				GRADUATE, measuring: steel, E; rd; 32 oz	2	-	%	%	-	1	2	10
6Z8046-1				GREASE: Lubricating; 8 oz tube	1	-	%	%	-	26	49	244
				GROUND ROD MX-14B/6; steel; galv; 3/4" dia x 72"	1	-	%	%	-	1	1	NX
				1g o/b					-	-	-	-
				HANDLE, cover: steel (p/o Microphone Shelter BE-66-A)	1	-	%	%	-	1	1	4
				INSULATOR, standoff (See TUBING, rubber insulating; )	-	-			-	-	-	-

SIGNAL CORPS STOCK NUMBER	FEDERAL COMMODITY CLASSIFICATION AND IDENTIFICATION NUMBER	DESIGNATION BY SYMBOL REFERENCE	DESCRIPTION	SPARES ROLLING PER EQUIPMENT	ECHELON NOTE	MAINTENANCE ALLOWANCES		STOCK GUIDE		SUPPLY EXPENDABILITY		
						AUTHORIZED ORGANIZATIONAL EQUIP	TACTICAL ORGANIZATION EQUIP	FIXED STATION EQUIP	REPAIR SHOPS EQUIP	DEPOT EQUIP	REPAIR SHOP TECHNICAL EQUIP	ARMY BASE EQUIP
SOUND RANGING SET CR-3-C (continued)												
3B2660-.1			JUG; 1 gal; brown glass	3	-	%	%	-	-	132	260	132 1300 X
3B2660			JUG; 1 gal; clear glass	1	-	%	%	-	-	48	92	48 460 X
3F1005-62			METER, ammeter: DC; 0 to 5 amp; 2.21" dia x 1.60" d: fl 2.695" dia; JAN type MH2AW005CAA	1	-	%	%	1	1	2	4	2 20 NX
4G106A			MICROPHONE SHELTER BE-66-A; steel and canvas	6	2	%	%	-	-	69	134	69 670 NX
6G1318			Oil, lubricating: 4 oz can	2	-	%	%	-	-	48	92	48 460 X
4G1741			OUTPOST CONNECTING BOX BE-71	2	-	%	%	1	1	4	7	4 34 NX
4G1751			OUTPOST UNIT BE-51: metal w/leather case; consists of milliammeter, resistance unit, push button, sw, and cord	2	-	%	%	1	1	4	7	4 34 NX
6M1220.3			PAD, stamp: black	2	-	%	%	-	-	2	3	2 17 NX
4G1809			PAPER PH-79; recording; roll 35mm 1-3/8" x 250 ft	2	-	%	%	3	5	5	5	6000 25M X
19			PLUG PL-58: 3 rd cont; 90 deg angle type (u/w	2	-	%	%	1	1	2	3	2 17 NX
4B2358			Handset TS-9)									
3Z245			POST, binding: TM-145; screw type; (p/o Outpost Connecting Box BE-71)	6	-	%	%	1	1	5	8	5 39 X
4G1888A			PROTECTOR AB-8-A	1	-	%	%	1	1	1	2	1 8 X
4G1909			RELAY UNIT BK-9	1	1	%	%	1	1	2	4	2 20 X
3Z4426			RESISTOR RS-26: fixed; 48,000 ohm ±5%; 3 w (p/o Outpost Unit BE-51)	1	-	%	%	1	1	1	2	1 8 X
8A3430			ROD PH-230	3	-	%	%	-	-	3	5	3 23 NX
6ZB369			SPONGE: cellulose	6	-	%	%	-	-	5	8	5 39 X
4G1406A/S6			SPRING: retainer; helical, close wrd (p/o Microphone Shelter BE-66-A)	12	-	%	%	2	8	30	57	30 290 X
6M1201			STAMP, rubber	2	-	%	%	-	-	2	3	2 17 X
6ZB120-2			STOPPER, cork	72	-	%	%	-	-	36	68	36 310 X
6ZB122			STRAP, carrying: (p/o Outpost Unit BE-51)	2	-	%	%	-	-	8	14	8 69 X
6ZB196-1			STRAP, carrying: (p/o Outpost Unit BE-51)	2	-	%	%	-	-	1	2	1 10 X
6ZB196-2			SWITCH, push-pull; cont arrangement 2A; non-locking; (p/o Outpost Unit BE-51)	2	-	%	%	1	1	2	4	2 20 X
4C50992X.1			TERMINAL TM-10; lug; spade type; for No 16 AWG wire; S19 C dwg MRL-A-253	2	-	%	%	1	1	2	3	2 17 X
3Z9910			TERMINAL TM-12-A; lug; side spade type; No 14 AWG wire	16	-	%	%	1	3	10	18	10 88 X
3Z9912A			TERMINAL, lug; ring type; No. 16 to No. 22 AWG wire (p/o Outpost Connecting Box BE-71)	6	-	%	%	1	1	5	8	5 39 X
3Z12026-9												

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					AUTHORIZED ALLOWANCES			STOCK GUIDE			STOCK GUIDE DEPOT		
					TACTICAL ORGANIZATION	FIXED STATION	FIELD REPAIR SHOPS	ARMY BASE REPAIR SHOP	5TH ECHELON	4TH ECHELON	3RD ECHELON	50 EQUIP	100 EQUIP
3Z10163				SOUND RANGING SET GB-3-C (continued)									
				TERMINAL TM-163; lug; spade type; No. 16 AWG wire	2	-	%	%	1	1	2	3	2
				(p/o Outpost Unit BE-51)									17 X
3Z10182				TERMINAL TM-162; lug; spade type; No. 16 AWG wire	2	-	%	%	1	1	2	3	2
				(p/o Outpost Unit BE-51)									17 X
3B1295				TEST SET, battery: heavy discharge type	1	-	%	%	1	1	1	2	1
8A3828				THERMOMETER PH-28; tank type; mercury thermal element 20° to 120°F	2	-	%	%	-	-	2	3	2
6Z8726-2				TUBING, rubber: flexible; 9/32" OD, 3/16" ID; ft	2	-	%	%	-	-	9	17	9
6Z8046-1				TUBING, rubber: insulator; rd; 3/16" ID, 7/16" OD x 3-1/4" 19 (p/o Microphone Shelter BE-66-A)	3	-	%	%	-	-	13	24	13 11.9 X
1BB10.31				WIRE, electrical: ins.; general purpose; single No 10 AWG cond; ft (p/o Cord CO-38)	6	-	%	%	-	-	24	44	24 220 X
1B1220.7				WIRE, ELECTRICAL: insulated; single; rd No 20 AWG 1000 solid cond; ft (power connection, BD-85 to BD-62)							-	3000 5600 3000 28M	X
1B8				WIRE W-6: insulated; 2 No 16 AWG cond; ft (p/o Outpost Unit BE-51)	6	-	%	%	-	-	24	44	24 220 X
1B816.4				WIRE WD-10/U: insulated; copper; 2 No 16 AWG stranded cond; ft	50	-	%	%	-	-	164	320	164 1600 X

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				AUTHORIZED ALLOWANCES				STOCK GUIDE				STOCK GUIDE		DEPOT		DEPOT			
				PER EQUIP	ORGANIZATIONAL	FIELD	REPAIR SHOPS	REPAIR SHOPS	ARMY BASE	TACTICAL	5TH	EQUIP	EQUIP	EQUIP	EQUIP	EQUIP	EQUIP	EQUIP	
4G385			CONTROL BOARD BD-85-A; B, C, D: connects 8 mic to Oscillograph Units M-166-A; ea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NX	
Order thru AGO			TECHNICAL MANUAL TM 11-144; ea	-	-	-	-	-	1	2	7	13	7	-	-	-	-	X	
2Z392	218		ATTENUATOR, variable: unbalanced ladder type; impedance 10 ohm; 2 hole mtg; ea	8	-	%	%											62	X
4G385A/S1	219		CONNECTOR, PLUG: female cont; 2 cont; straight; ea	9	-	%	%											62	X
2Z8778	214		CONNECTOR, RECEPTACLE: male cont; Socket SO-78; 8 banana type cont. pol; straight; ea	2	-	%	%											20	X
2Z8799-25	215		CONNECTOR, RECEPTACLE: male cont; Socket SO-125; 9 banana type cont. pol; straight; ea	1	-	%	%											12	X
3Z2587	210		FUSE, cartridge: 1/4 amp, 250 v; ea	1	24	4	14		2	8	59	115	59	570					
3Z1926	213		FUSE FU-26: cartridge; 1 amp, 250 v; ea	1	12	4	14		2	8	59	115	59	570					
3Z1925	212		FUSE FU-25: cartridge; 5 amp, 25 v; ea	1	12	4	14		2	8	59	115	59	570					
3Z2015-1	211		FUSE, cartridge: 15 amp, 25 v; ea	1	24	4	14		2	8	59	115	59	570					
3Z375			FUSEHOLDER: extractor post type; for single #3AG cartridge fuse; ea	4	-	%	%		1	2	7	12	7	58					
4C365	216		JACK ASSEMBLY, telephone: 16 jacks on phenolic strip; ea	1	-	%	%		1	1	1	2	1	8					
3F901-7	206		METER, ammeter: DC; 0-10 ma; JAN type MR25W0100CM; ea	8	-	%	%		1	1	1	2	1	12	NX				
3F901E5-1	204		METER, ammeter: DC; 0-15 ma; JAN type MR25W0150CM; ea	1	-	%	%		1	1	1	2	1	12	NX				
3F1005-61	201		METER, ammeter: DC; 0-5 amp; JAN type MR25W0050CM; ea	1	-	%	%		1	1	1	2	1	12	NX				
3F1020-19	203		METER, ammeter: DC; 0-20 amp; JAN type MR25W0200CA; ea	1	-	%	%		1	1	1	2	1	12	NX				
3F0050-15	202		METER, voltmeter: DC; 0-50 v; JAN type MR25W050DCV; ea	1	-	%	%		1	1	1	2	1	12	NX				
3F8100-6	205		METER, voltmeter: DC; 0-100 v; JAN type MR25W100DCV; ea	1	-	%	%		1	1	1	2	1	12	NX				
3BW9310	217		RESISTOR, fixed: ww; 3.1 ohm ±5%; 12 w; JAN type RW35F3R1; ea	1	-	1	1		1	1	1	2	1	12	X				
4C5208DA-1	208		SWITCH, lever: one way, locking; cont arrangement 2B; ea	1	-	%	%		-1	1	1	2	1	12	X				
4C5208DA	207		SWITCH, lever: 2 position, locking and neutral; cont arrangement position #1, 2A, IC, position #2, 1A, 1B; ea	1	-	%	%		1	1	1	2	1	12	X				
4G385A/T1	209		TRANSFORMER, AF: line type; turns ratio 31.6 to 1; ea	8	-	%	%		1	1	5	8	5	39	X				

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				MAINTENANCE			STOCK GUIDE			EXPENDABILITY			
				AUTHORIZED ALLOWANCES	FIELD	DEPOT	REPAIR	ARMY	BASE	SPARES	DEPOT	ARMY	BASE
1G1909			RELAY UNIT BK-9-C; operating sequence control; 6 arm type relays mt'd on jack strip base; 24 v DC; 8" 19 x 5" wd x 4-1/2" thk; ea	1-4	5-20	50	100	50	100	EQUIP	EQUIP	EQUIP	NX
Order thru AGO	AC9858		TECHNICAL MANUAL TM 11-444; ea	-	-	-	-	-	-				
	3DA500-451		BOARD, terminal: jack strip for relay unit; 16 male cont; 3-3/4" 19 x 1" h x 1" wd; ea	1	-	%	%	1	1	1	2	1	10 X
			CAPACITOR, fixed: paper; 500,000 mmf +20% -10%; 600 vdc; JAN type GP53B1EF50AV; ea	5	-	1	1	1	1	4	7	4	34 X
			RELAY, armature: cont arrangement 1A; single wd coil, 1000 ohm DC resistance; ea	1	-	%	%	1	1	2	4	2	20 X
			RELAY, armature: cont arrangement 1AIC; single wd coil, 200 ohm DC resistance; ea	1	-	%	%	1	1	2	4	2	20 X
			RELAY, armature: cont arrangement 2C; dual wd coil, 24 v DC; ea	1	-	%	%	1	1	2	4	2	20 X
			RELAY, armature: cont arrangement 2C1A; dual wd coil, 24 v DC; ea	1	-	%	%	1	1	2	4	2	20 X
			RELAY, armature: cont arrangement 3A; single wd coil, 1800 ohm DC resistance; ea	1	-	%	%	1	1	2	4	2	20 X
			RELAY, armature: cont arrangement 3A1B; single wd coil, 500 ohm DC resistance; ea	1	-	%	%	1	1	2	4	2	20 X
			RESISTOR, fixed: composition; 300 ohm ±5%; 1 w; JAN type RC31BF301J; ea	5	-	1	1	1	1	2	4	2	20 X
			RESISTOR, fixed: wv; 450 ohm; 1 w; ea	1	-	1	1	1	1	2	1	12	X
			RESISTOR, variable: wv; 200 ohm ±10%; 6 w; ea	1	-	1	1	1	1	2	4	2	20 X
				7									

SIGNAL CORPS STOCK NUMBER	FEDERAL COMMODITY CLASSIFICATION AND IDENTIFICATION NUMBER	DESIGNATION BY REFERENCE SYMBOL	DESCRIPTION	SUPPLY													
				MAINTENANCE				STOCK GUIDE				STOCK GUIDE					
				AUTHORIZED ORGANIZATIONAL PER EQUIP DEPARTMENT	ALLOWANCES	FIELD REPAIR STATION	DEPOT REPAIR SHOPS	DEPOT	ARMY TACTICAL BASE	DEPOT	ARMY TACTICAL BASE	4TH ECHELON	5TH ECHELON	4TH ECHELON	5TH ECHELON		
4G4762			SWITCHBOARD BD-62-B, C; semi-portable; non-multiple; 10 channels, 10 lines; manual; sound ranging, central energy; 32-3/8" 19 x 8-3/4" wd x 8-1/2" lg o/a	1ST ECHELON	1-4 1-4 1-4 1-4	5-20 5-20 5-20 5-20	1-4 1-4 1-4 1-4	5-20 5-20 5-20 5-20	1-4 1-4 1-4 1-4	5-20 5-20 5-20 5-20	50 50 50 50	100 100 100 100	50 50 50 50	100 100 100 100			
Order thru AGO			TECHNICAL MANUAL TM 11-444; ea		-	-	-	-	-	-	-	-	-	-	-		
4Z3118.2			BUZZER, signal; vibrating; Operates on 14 to 40 v DC or 15 to 21 v AC, 50 to 60 cps; ea		1	-	-	-	1	1	1	2	1	1	10		
3DA250-380			CAPACITOR CA-385; fixed; paper; 250,000 mmf ±14% -6%; 200 vdc; JAN type CP53B1E2251V; ea		2	-	1	1	1	1	1	2	4	2	20		
3DA500-451			CAPACITOR CA-177-A; fixed; paper; 500,000 mmf +14% -6%; 400 vdc; ea		3	-	1	2	1	2	1	2	7	12	7		
3DB1-190			CAPACITOR, fixed; paper; 1 mfd ±10%; 600 vdc; JAN type GP53B1FF105K; ea		16	-	1	3	1	3	1	2	12	22	12		
3C44			COIL C-41; 2 wnd; ea		1	-	%	%	%	1	1	1	2	1	1	8	
3C61			COIL C-61; wnd; ea		1	-	%	%	%	1	1	1	2	1	1	8	
4G4762B/S7			CONNECTOR, receptacle; male contact; 2 non-pal; prong type cont; straight; ea		9	-	-	-	-	1	4	13	24	13	118	X	
6Z3810-83			FASTENER, latch; 2" lg x 7/16" wd x 3/8" h; ea		2	-	-	-	-	1	1	2	4	2	20	X	
3Z1925			FUSE FU-25; cartridge; 5 amp; ea		1	12	2	5	2	5	1	3	20	38	20	188	X
3Z1926			FUSE FU-26; cartridge; 1 amp; ea		1	12	1	1	1	1	1	1	2	4	2	20	X
3Z3275			HOLDER, fuse; extractor post; for #3 AG cartridge fuse; ea		1	-	1	1	1	1	1	2	4	2	20	X	
4C4314			JACK, telephone; for 2 cond 0.249" dia plug; ea		10	-	-	-	-	1	1	5	8	5	39	X	
4C4319			JACK JK-37; telephone; for 3 pin plug; JAN type PJ 058; ea		1	-	%	%	1	1	1	2	1	1	8	X	
2Z5537																	

SIGNAL CORPS STOCK NUMBER	FEDERAL COMMODITY CLASSIFICATION AND IDENTIFICATION NUMBER	DESIGNATION BY SYMBOL REFERENCE	DESCRIPTION	AUTHORIZED ALLOWANCES PER EQUIPMENT QUANTITY	MAINTENANCE SPARING BY ECHELON	STOCK GUIDE FIELD DEPOT	STOCK GUIDE DEPOT	STOCK GUIDE ARMY BASE TACTICAL	NOTES EXPENDABILITY
						ORGANIZATIONAL TACTICAL ORGANIZATION 2ND ECHELON	FIXED STATION 2ND ECHELON	REPAIR SHOPS 3RD ECHELON	REPAIR SHOPS 4TH 5TH
SWITCHBOARD BD-62-B, C (continued)									
3C323-2A			COIL, telephone retardation: 2 wnds, metal case; ea	1 - % % % % %	1 - % % % % %	1 - % % % % %	1 - % % % % %	1 - % % % % %	1 - % % % % %
2Z7586			RELAY, structure: SPT; single wnd 24 v DC, 24 ma, 1000 ohm; ea	2 - % % % % %	1 - % % % % %	1 - % % % % %	1 - % % % % %	1 - % % % % %	1 - % % % % %
3RC3IAE151J			RESISTOR, fixed: comp; 150 ohm ±5%; 1 w, JAN type RC3IAE151J; ea	2 - 1 1 1 1 1	2 - 1 1 1 1 1	2 - 1 1 1 1 1	2 - 1 1 1 1 1	2 - 1 1 1 1 1	2 - 1 1 1 1 1
6L6348-5.1			SCREW, machine: slot drive; RH: #8-48; 5/16" lg; ea	44 - - - -	44 - - - -	44 - - - -	44 - - - -	44 - - - -	44 - - - -
6L6632-32.1			SCREW, machine: slot drive; RH: #6-32 2" lg; ea	4 - - - -	4 - - - -	4 - - - -	4 - - - -	4 - - - -	4 - - - -
6L6632-36.1			SCREW, machine: slot drive; RH: #6-32; 2-1/4" lg; ea	4 - - - -	4 - - - -	4 - - - -	4 - - - -	4 - - - -	4 - - - -
4C4978			SWITCH, lever: 2 position, locking; cont arrangement position #1-IC, 1C; position #2-1A, 1C; ea	8 - % % % % %	8 - % % % % %	8 - % % % % %	8 - % % % % %	8 - % % % % %	8 - % % % % %
4C4977			SWITCH, lever: 2 position, locking; cont arrangement position #1-2A, position #2-2C; ea	2 - - - -	2 - - - -	2 - - - -	2 - - - -	2 - - - -	2 - - - -
4C4980-35			SWITCH, lever: 2 position, position #1 locking, position #2 non locking; cont arrangement position #1-1A, position #2-1C, 1C, 1A; ea	1 - - - -	1 - - - -	1 - - - -	1 - - - -	1 - - - -	1 - - - -
4C3503			SWITCHBOARD DROP M-203; iron; incoming call indicator; ea	10 - - - -	10 - - - -	10 - - - -	10 - - - -	10 - - - -	10 - - - -
4F2544			TRANSFORMER, power: ringing; pri 21 v, 20/60 cyc, 1/2 amp max; 3 secnd, ea 21 v, 1/6 amp; max; ea	1 - - - -	1 - - - -	1 - - - -	1 - - - -	1 - - - -	1 - - - -

STOCK NUMBER LIST  
FOR  
SOUND RANGING SET GR-3

Stock No.	Page No.	Stock No.	Page No.
1B8 . . . . .	1, 4	3Z9910 . . . . .	3
1B810.31 . . . . .	4	3Z9912A . . . . .	3
1B816.4 . . . . .	4	3Z10163 . . . . .	4
1B1220.7 . . . . .	4	3Z10182 . . . . .	4
1B3020-30 . . . . .	1	3Z12026-9 . . . . .	3
2B226.1 . . . . .	2	4B417 . . . . .	2
2Z392 . . . . .	5	4B2358 . . . . .	3
2Z5537 . . . . .	7	4C310D . . . . .	1
2Z7226-145 . . . . .	2	4C3503 . . . . .	8
2Z7226-146 . . . . .	2	4C4314 . . . . .	7
2Z7586 . . . . .	8	4C4319 . . . . .	7
2Z7592 . . . . .	6	4C4365 . . . . .	5
2Z7592-2 . . . . .	6	4C4977 . . . . .	8
2Z7592-6 . . . . .	6	4C4978 . . . . .	8
2Z7645-5 . . . . .	6	4C4980-35 . . . . .	8
2Z7649-7 . . . . .	6	4C5092Y.1 . . . . .	3
2Z7649-8 . . . . .	6	4C5208DA . . . . .	5
2Z8778 . . . . .	5	4C5208DA-1 . . . . .	5
2Z8799-25 . . . . .	5	4C9858 . . . . .	6
3B29 . . . . .	1	4E681 . . . . .	1
3B29/10 . . . . .	2	4E682 . . . . .	1
3B2600 . . . . .	3	4F2544 . . . . .	8
3B2600.1 . . . . .	3	4G325.1 . . . . .	2
3B4295 . . . . .	4	4G385 . . . . .	5
3C44 . . . . .	7	4G385A/S1 . . . . .	5
3C61 . . . . .	7	4G385A/T1 . . . . .	5
3C158 . . . . .	2	4G394 . . . . .	2
3C323-2A . . . . .	8	4G632 . . . . .	2
3DA250-380 . . . . .	7	4G1406A . . . . .	3
3DA500-451 . . . . .	2, 6, 7	4G1406A/S6 . . . . .	3
3DB1-190 . . . . .	7	4G1741 . . . . .	3
3E66 . . . . .	2	4G1751 . . . . .	3
3E67 . . . . .	2	4G1809 . . . . .	3
3E327 . . . . .	2	4G1888A . . . . .	3
3E1250B . . . . .	2	4G1909 . . . . .	3, 6
3E1428 . . . . .	1	4G3003C . . . . .	11
3E1438 . . . . .	1	4G3003C/F3 . . . . .	2
3E1439 . . . . .	1	4G3003C/K1 . . . . .	2
3E1443 . . . . .	1	4G4762 . . . . .	7
3E1444 . . . . .	1	4G4762B/S7 . . . . .	7
3E2038 . . . . .	1	4Z3118.2 . . . . .	7
3E2050A . . . . .	2	6B400 . . . . .	2
3E2139 . . . . .	1	6G202.11 . . . . .	2
3E2144 . . . . .	1	6G673.7 . . . . .	2
3F901-7 . . . . .	5	6G1318 . . . . .	3
3F901E5-1 . . . . .	5	6L6348-5.1 . . . . .	8
3F1005-61 . . . . .	5	6L6632-32.1 . . . . .	8
3F1005-62 . . . . .	3	6L6632-36.1 . . . . .	8
3F1020-19 . . . . .	5	6M1201 . . . . .	3
3F8050-15 . . . . .	5	6M1220.3 . . . . .	3
3F8100-6 . . . . .	5	6N1619 . . . . .	2
3RC31AE151J . . . . .	8	6Z1906 . . . . .	2
3RC31BF301J . . . . .	6	6Z3810-83 . . . . .	7
3RW9310 . . . . .	5	6Z5003 . . . . .	2
3Z245 . . . . .	3	6Z8046-1 . . . . .	2, 4
3Z1925 . . . . .	5, 7	6Z8369 . . . . .	3
3Z1926 . . . . .	5, 7	6Z8420-2 . . . . .	3
3Z2015-1 . . . . .	5	6Z8422 . . . . .	3
3Z2427 . . . . .	2	6Z8496-1 . . . . .	3
3Z2587 . . . . .	5	6Z8496-2 . . . . .	3
3Z3275 . . . . .	5, 7	6Z8726-2 . . . . .	4
3Z3330-148 . . . . .	2	8A980 . . . . .	2
3Z4426 . . . . .	3	8A1174 . . . . .	2
3Z6045-9 . . . . .	6	8A3430 . . . . .	3
3Z7200-3 . . . . .	6	8A3828 . . . . .	4

## BASIC ISSUE ITEMS

SIGNAL CORPS STOCK NUMBER	FEDERAL COMMODITY CLASSIFICATION AND IDENTIFICATION NUMBER	DESIGNATION BY	DESCRIPTION	QUANTITIES REQUIRED		
				SUB-ASSEM-BLY	FOR INITIAL SPARES AND ACCESSORIES	TOTAL
4G3003C			SOUND RANGING SET GR-3-C; photographic recording of sound arrivals from mic of low freq range; 24 v DC		-	2
1B816.4			TECHNICAL MANUAL TM-11-144		-	2
1B120.7			WIRE WD-10/U: #16 AWG wires, stranded 2 cond; ft	50	-	50
2B430			WIRE, electrical: single cond #20 AWG; solid; ft	1000	-	1000
2B1623			HEADSET HS-30; magnetic, #50 ohm impedance		1	-
2Z259-290			MICROPHONE T-23; hot-wire; w/lineair response; used if field artillery sound ranging; freq response in ranges 5 to 25 cps and 5 to 60 cps obtained by acoustic filter plugs	+ t	6	6
3B29			CHEST CH-290; f/storage and transportation of 4 microphone T-23		-	2
3B1500.6-1			BATTERY BB-29; portable; 4 volts		-	2
3B2202			ELECTROLYTE, battery; sulphuric acid; liquid form; glass contn; 1 gal contr; 1.350 sp gr	8	8	16
3B2660			HYDROMETER BY-2		-	1
3B2690.1			JUG; glass; clear; 1 gal cap		-	2
3B295			JUG; glass; brown; 1 gal cap		-	2
3E66			TEST SET, heavy discharge type		-	3
3E67			CORD CC-66; switchboard; 10" 1g; 2 #18 AWG stranded cond	10	-	10
3E1250B			CORD CC-67; switchboard; 36" 1g; 2 #18 AWG stranded cond		-	2
3E1428			CABLE ASSEMBLY, TELEPHONE: Cord CD-250-B; .50 ft 1g; 30 cond; #20 AWG	1	-	1
3E1438			CABLE ASSEMBLY, AF: Cord CD-428; 2 #18 AWG cond; approx 6" 1g		-	1
3E1439			CABLE ASSEMBLY, POWER: Cord CD-138; 20 ft 1g; 8 cond; 2 #14 AWG and 6 #20 AWG		-	1
3E1443			CABLE ASSEMBLY, POWER: Cord CD-139; 20 ft 1g; 8 cond; 2 #14 AWG and 6 #20 AWG		-	1
3E1444			CABLE ASSEMBLY, POWER: Cord CD-143; 17 1/4"; 8 cond; 2 #14 AWG and 6 #20 AWG		-	1
3E2038			CABLE ASSEMBLY, POWER: Cord CD-144; 14" 1g; 8 cond; 2 #14 AWG and 6 #20 AWG		-	2
3E2050A			CABLE ASSEMBLY, power: Cord CO-50-A; single cond #10 AWG; 12" 1g	6	4	10
3F056K			TEST SET I-56-K: input 110/120 volts ac, 60 cyc		-	1
3F4325-26			TEST SET TS-26-TSM: portable; DC volts 0 to 3,300,600, ohm 0 to 1000, 10,000 100,000, 1,000,000; 100μ ohm per volt	+ t	1	-
3Z1910A			FUSE, cartridge; 5 amp		-	1
3Z1925			FUSE FU-25; 5 amp; 25 v		-	1
3Z1926			FUSE, cartridge; 1 amp, 250 v		-	1
3Z2015-1			FUSE, cartridge; 1.5 amp, 25 v		-	1
3Z2587			FUSE, cartridge; 1/4 amp, 250 v		-	1
3Z330-148			GROUND ROD MN 11B/G; approx 6 ft 1g x 3/4" dia, cone point	1	-	1
4B117			GHOST SET TD-1	1	-	1
4B1109			HANDSET TS-9; max freq output 600 to 1600 cyc at 256 ohm		-	1
4B2358			PLUG PL-3M; 3 rd contact; 90 deg angle type		-	2
4B5008			TELEPHONE EE-B; LB and CB; field set; self-contained	1	3	3
4C310D			BELL; vibrating; adj	1	1	1
4E681			BLOCK, protector; carbon; 3/4" wd x 3/8" h x 3/8" d	33	-	33
4E682			BLOCK, protector; sub-station; 3/4" h x 3/8" wd x 3/8" d	20	-	20
4G290			BUCKET; f/carrying liquids; 10 qt; open	8	-	8

SIGNAL CORPS STOCK NUMBER	FEDERAL COMMODITY CLASSIFICATION AND IDENTIFICATION NUMBER	DESIGNATION BY	DESCRIPTION	QUANTITIES REQUIRED		
				SUB-ASSEMBLY	SUPPLY FOR INITIAL OPERATION	FUNNING, SPARES AND ACCESSORIES
SOUND HANGING SET GH-3-C (continued)						
4G344A			CHEST CH-44-A; f/carrying lamp; tubes, spare parts	-	1	1
4G345A			CHEST CH-45-A; f/carrying frame, magazines, fixing-tray and fixing-roller of oscilloscope equip	-	1	1
4G346A			CHEST CH-46-A; f/transporting Switchboard BD-62-B	1	1	1
4G347A			CHEST CH-47-A; f/carrying Control Board BD-35-A	-	1	1
4G348A			CHEST CH-48-A; f/carrying Oscillograph Equip IE-14	-	1	1
4G-385			CONTROL BOARD BD-35; c/o 6 1-stage ampl	+	1	-
4G394			COVER BG-74; dustproof; to cover oscilloscope	-	1	1
4G632			GRADUATE, measuring: 32 oz	2	-	2
4G1240			LAMP LM-40; 4.2 volts, 3.7 amp, pre-focus base	-	10	10
4G1406A			SHELTER BE-66-A; circular canvas cover; 21" dia; w/carrying handle; to protect microphone from seismic sound, wind and weather	6	2	8
4G1614			OSCILLOSCOPE EQUIPMENT IE-14; includes camera, timing unit, recording lamp and associated equipment necessary for operation of 8 ea Oscilloscope Unit M-166-A	+	1	-
4G1741			BOX BE-71; outpost connecting box; small box to contain 3 pr of binding posts, a capacitor and choke coil	2	-	2
4G1751			OUTPOST UNIT BE-51; c/o milliammeter, resistance unit, push button switch and cord	2	-	2
4G1888A			PROTECTOR AR-B-A; to provide protection to Central Station Equip from abnormal hi/low current	+	1	-
4G1909			RELAY UNIT BK-9; 6 relays arrange to control ckt sequence	1	1	2
4G3003C/F3			FITTING, tubing: 90 deg elbow; 5/16" OD, 3/16" ID; ea side of elbow 1-1/2" lg	3	-	3
4G3003C/K1			DEVELOPING KIT, photographic: c/o Assorted chemicals in waterproofed carton	8	-	9
4G4762E			SWITCHBOARD BD-62-B; c/o 10 electrical channels, 8 f/microphone lines, 2 f/output lines; f/telephone communications	1	-	1
6B400			COTTON; absorbent; medicated; 1 oz pkg	1	-	1
6F705			CHEST BC-5; pack; lg x 18-1/8" wd x 12" h o/a	-	1	1
6G16.5			ALCOHOL; ethyl denatured; in 5 gal metal cntr	5	-	5
6G202.11			CEMENT, liquid; general purpose; 2 oz	-	1	1
6G450			ETHER; in dark colored bottle or can; 4 oz	-	1	1
6M995			PENCIL; yellow; china marking; paper-wrapped; approx 5/16" dia x 7" lg	-	12	12
6M1201			STAMP, rubber; identification; sound locating data	-	2	2
6M1220.3			PAD, stamp; black	-	2	2
6N1619			CLOTH, textile; f/cleaning; 10 yd bolt	-	5	5
6N8583			TAPE TL-33; cotton; friction; adhesive; black; 3/4" wd	-	1	1
6N8692			TAPE TL-192; two-ply; adhesive	-	1	1
6R3000			PICK; railroad type	-	2	2
6R22019			SHOVEL LC-19; rd point; size 2, B-1, A; D type wood handle	-	1	1
6R24639			SOLDERING IRON TL-139; electric; 50 w	+	1	-
6R38006			TOOL SET TE-6	-	1	1
6R38037			TOOL EQUIPMENT TE-37; relay maintenance; f/sound ranging equip	+	-	2
6R46200			TWEZZERS; pointed	-	2	2
6Z6827			LAMP LM-30; 27 v, 1 amp; bayonet candelabra base	-	10	10

SIGNAL CORPS STOCK NUMBER	FEDERAL COMMODITY CLASSIFICATION AND IDENTIFICATION NUMBER	DESIGNATION BY	DESCRIPTION	QUANTITIES REQUIRED FOR INITIAL ASSEM- BLY	QUANTITIES REQUIRED FOR INITIAL OPERATION	RUNNING SPARES AND ACCESSORIES	TOTAL QUANTITIES
SOUND RANGING SET GR-3-C (continued)							
627500-0			ABRASIVE, sheet: sandpaper; flint; grit size #0			-	2
628420-2			STOPPER: cork; 31mm max dia x 25mm min dia			72	-
628421-1			STOPPER, rubber: 7/8" min dia x 1-1/8" max dia x 1" lg; w/1/4" dia hole			6	-
628422			STOPPER: rubber; 32mm max dia x 26mm min dia x 26mm 1g			12	-
628726-2			TUBING: rubber; flexible; 9/32" OD, 3/16" ID			2	-
628813			TWINE RF-13: linen; 600 yds to 1g			3	-
7A1928			TUBING ML-188: pure gum rubber; 1/8" ID; 1/32" wall; balloons			24	-
8A980			DRYER, film: liquid; 1 qt can			2	-
8A1174			FUNNEL PH-174			2	-
8A3430			ROD PH-230: hard rubber			-	4
8A3665			SPONGE: cellulose; fine pore; 3-1/2" x 5-1/4" x 1-5/8"			-	3
8A3828			THERMOMETER PH-28; 20° to 120°F			-	6
14-G-1196-400			GREASE, lubricating: 8 oz			2	-
14-0-2833-994			OIL, lubricating: 4 oz cn			-	1
						-	2

SIGNAL CORPS STOCK NUMBER	FEDERAL COMMODITY CLASSIFICATION AND IDENTIFICATION NUMBER	DESIGNATION BY	DESCRIPTION			SUB- ASSEM- BLY	QUANTITIES REQUIRED
			FOR INITIAL OPERATION	BUNNING SPARES AND ACCESS. ORIES	TOTAL		
4G385			CONTROL BOARD BD-85-A, B, C, D; connects 8 mic to Oscillograph Units M-166-A; ea		1	-	1
4G385Z			BARE UNIT for Control Board BD-95; ea		2	2	4
3A:6			BATTERY BA-26: .45 V; 8-1/2" ±1/8" lg x 4-3/8" ±1/8" wd x 3-1/16" ±1/16" h; ea		1	-	1
3A:8			BATTERY BA-28: 4-1/2 V; 1-31/32" wd x 21/32" d x 2-1/4" h; ea		1	-	1
3Z1925			FUSE FU-25: cartridge; 5 amp, 25 V; ea		1	12	13
3Z1926			FUSE FU-26: cartridge; 1 amp, 250 V; ea		1	12	13
3Z:015-1			FUSE, cartridge; 15 amp, 25 V; ea		1	24	25
3Z2587			FUSE, cartridge; 1/4 amp, 250 V; ea.		1	24	25

SIGNAL CORPS STOCK NUMBER	FEDERAL COMMODITY CLASSIFICATION AND IDENTIFICATION NUMBER	DESIGNATION BY	DESCRIPTION	QUANTITIES REQUIRED		
				SUB-ASSEMBLY	FOR INITIAL SPARES AND ACCESSORIES	TOTAL
464762			SWITCHBOARD BD-62-B, C; c/o 10 electrical channels, 8 f/microphone lines, 2 f/output lines; f/telephone communications			
461762HZ			BARE UNIT for Switchboard BD-62-B, C; ea		1	- 1
321925			FUSE FU-25: 5 amp; ea		1	12 13
321926			FUSE FU-26: 1 amp; ea		1	12 13

SIGNAL CORPS STOCK NUMBER	FEDERAL COMMODITY CLASSIFICATION AND IDENTIFICATION NUMBER	DESIGNATION BY	DESCRIPTION			SUB- ASSEM- BLY	QUANTITIES REQUIRED
			FOR INITIAL OPERATION	RUNNING SPARES AND ACCESS- ORIES	TOTAL		
1G188BA		PROTECTOR AR-B-A; fuse type; to provide protection to Sig C. Central Station Equip from abnormal; high current; w/22 fuses and 22 lightning arrestors in gangs of 11; 16" h x 12" w; ea					
1G1BBBAZ		BARE UNIT for Protector AR-B-A; ea				1	- 1
3Z1910A		FUSE, cartridge; 5 amp; ea				22	- 22
1E681		BLOCK, protector; carbon; sub-station; ea				22	- 22
1E682		BLOCK, protector; bakelite; sub-station; ea				22	- 22