

*Superseded by Sig 7-8 GR-4, Mar. 1952*

**ARMY SERVICE FORCES  
CATALOG**

**SIG 7-GR-4**

*Ref. TM 11-439*

**SIGNAL SUPPLY CATALOG**

*Organizational Spare Parts for  
Flash Ranging Set GR-4-A*

*Supersedes GMA List No. 44*

The following catalog section is also necessary for organizational maintenance of the above equipment: SIG 7-BD-70.

Section SIG 7 lists the authorized allowance of spare parts and major components for first and second echelon using organizations. This section is comprised of 2 parts as follows:

a. Authorized maintenance parts to be kept on hand by first and second echelon organizations.

b. Basic issue items; a list of the component parts of the equipment showing the quantities of each that comprise a complete operating unit.

Replenishment of organizational stocks will be accomplished by requisition of individual items on the W.D., A.G.O. Form No. 446 (Property Issue Slip). Equipment item numbers should be shown on all requisitions at the end of the nomenclature and will serve as additional item identification.

**EXPENDABILITY**

Expendability of individual items will be in accordance with W.D. Supply Bulletins 11-1, 22 January 1944, and 11-2, 10 March 1944, pending publication of SIG 5 revisions which will show expendability of all items stored and issued by the Signal Corps.

*Headquarters, Army Service Forces    14 August 1944*

HEADQUARTERS, ARMY SERVICE FORCES,  
WASHINGTON 25, D. C., 14 August 1944.

Army Service Forces Signal Supply Catalog SIG 7-GR-4, Organizational Spare Parts for Flash Ranging Set GR-4-A has been prepared under the supervision of the Chief Signal Officer and is published for the information and guidance of all concerned.

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BY COMMAND OF LIEUTENANT GENERAL SOMERVELL:

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I Bn 11: T/O & E 11-15; 11-95.

I C 6: T/O 6-77.

I C 11: T/O 11-107; 11-327; 11-587; 11-597; 11-592; 11-7; 11-57;  
11-557; 11-47; 11-317; 11-517; 11-577; 11-127.

For explanation of symbols, see FM 21-6.

**Section A**  
**AUTHORIZED MAINTENANCE PARTS**  
**FLASH RANGING SET GR-4-A**

Reference No. TM 11-439	Illustration Fig. No.	Equipment Item No.	Stock No.	Nomenclature	Organizational Spare Parts				
					2d echelon stocks		Equipment to be maintained		
Quantity per assembly	Unit of Measure	Running spares 1st Ech.	1-3	4-7	8-15	16-30	31-70	71-130	
PART I									
GR4/14-----	3B29-----	Battery BB-29-----	ea--	2	2	1	2	3	4
GR4/1-----	3DE59-----	Capacitor unit BE-59-----	ea--	6	-----	2	3	5	6
GR4/3-----	3Z3329-----	Ground rod GP-29-----	ea--	1	-----	1	1	2	30
GR4/5-----	6Q60229-----	Knife TL-29-----	ea--	1	-----	1	1	2	4
GR4/6-----	4G1751-----	Outpost unit BE-51-----	ea--	6	-----	4	6	10	35
GR4/7-----	6R4513A-----	Pliers TL-13-A-----	ea--	1	-----	1	1	1	60
GR4/8-----	4B2358-----	Plug PL-58 (for handset)-----	ca--	1	-----	1	1	1	3
GR4/9-----	6R653-----	Pouch CS-34-----	ea--	1	-----	1	1	1	3
GR4/11-----	2Z7691-2/51-----	Spring assembly (including stud and bracket for W. E. Co. type No. 206 relay)-----	ea--	6	-----	-----	-----	-----	-----
GR4/13-----	4B5008A-----	Telephone EE-8-( )-----	ea--	6	-----	1	1	1	2
PART II									
3A30-----	Battery BA-30 (to be requisitioned in accordance with W. D. SB11-6)-----	ea--	12	24	-----	-----	-----	-----	-----

# SIG 7-GR-4

## Section B

### BASIC ISSUE ITEMS

#### FLASH RANGING SET GR-4-A (AG3004A)

The following items comprise the basic issue equipment and consist of those items supplied for initial operation and for running spares in accordance with the authentic P & I C or subassembly control list.

Description and Type No.	Stock No.	Unit of Measure	Unit of Quantity		
			Required	Running Spare	Total
Axle RL-27	6H227	ea	6	24	6
*Battery BA-30	3A30	ea	12	2	36
*Battery BB-29	3B29	ea	2	2	4
Capacitor unit BE-50	3DE59	ea	6	1	6
Chest set TD-1	4B417	ea	1	1	1
Cord CD-425 (30 conductors, 50 feet long)	3E1425	ea	1	1	1
Foot FT-149	4G849	ea	1	1	1
Ground rod GP-29	3Z3329	ea	4	4	4
Handset TS-9	4B1109	ea	1	1	1
Headset HS-30	2B830	ea	1	1	1
Knife TL-29	6Q60229	ea	1	1	1
Outpost unit BE-51	4G1751	ea	1	1	1
Pliers TL-13	6R4513	ea	6	6	6
Plug PL-58	4B2358	ea	1	1	1
Pouch CS-34 (for knife and pliers)	6R6534	ea	1	1	1
Preliminary instructions for 1 GR-4-A	6D7514A-1P	ea	1	2	2
Protector AR-8	4G1888	ea	2	2	2
Spring assembly (including stud and bracket for W. E. Co., Relay No. 206).	2Z7691-2/SI	ea	1	1	1
Strap ST-21 (for carrying BB-29 battery)	3B3821	ea	6	6	6
Switchboard BD-70	4G4770	ea	2	2	2
Telephone EE-8	4B5008	ea	6	1	1
Tool, switchboard	6R41065B	ea	1	1	1

\*Batteries are not packed and shipped with the set, but must be drawn separately.