

DEPARTMENT OF THE ARMY  
SUPPLY CATALOG

# ORD 9 SNL G-221

---

GROUP G

LIST OF ALL SERVICE PARTS

OF

TRAILER, 2-TON, 4-WHEEL, DIRECTOR, M13, M14, AND M22;  
TRAILER, 2-TON, 4-WHEEL, GENERATOR, M7 AND M18

Supersedes ORD 9 SNL G-221, 15 November 1944

This catalog is correct to 31 December 1952

---

DEPARTMENT OF THE ARMY

FEBRUARY 1953

RESTRICTED

**RESTRICTED—Security Information**

DEPARTMENT OF THE ARMY  
 WASHINGTON 25, D.C., 3 February 1953

Department of the Army Supply Catalog ORD 9 SNL G-221 is published for the information and guidance of all concerned.

[AG 461 (7 Jan 53)]

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:

*Active Army:*

Tech Svc (1); Tech Svc Bd (2); AFF (3); AA Comd (2); OS Maj Comd (10); Base Comd (2); MDW (3); Log Comd (5); A (10); CHQ (2); Div (2); Regt 9 (2); Bn 9 (2); CO 9 (2); FT (2); Sch (5) except 9 (50); PMS&T 9 (1); Gen Dep (2); Dep 9 (10); POE (5), OSD (2); PRGR 9 (10); Ars 9 (10); Proc Dist 9 (10); Mil Dist (3).

*NG:* Same as Active Army except one copy to each unit.

*Army Reserve:* Same as Active Army except one copy to each unit.

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

CONTENTS	Page
INTRODUCTION.....	1
NOTES.....	5
GROUP 06 ELECTRICAL SYSTEM.....	12
GROUP 11 AXLE.....	39
GROUP 12 BRAKES.....	42
GROUP 13 WHEELS, HUBS, AND DRUMS.....	58
GROUP 15 FRAME.....	61
GROUP 16 SPRINGS AND SHOCK ABSORBERS.....	79
GROUP 18 BODY.....	85
GROUP 20 WINCH.....	134
GROUP 22 MISCELLANEOUS ACCESSORIES.....	137
ALPHABETICAL INDEX.....	140
ORDNANCE AND MANUFACTURERS' PART NUMBER INDEX.....	150
STOCK NUMBER INDEX.....	167

**RESTRICTED**

## INTRODUCTION

1. GENERAL. a. This is an illustrated list of parts of the 2-ton, 4-wheel, director trailers M13, M14, and M22 and the 2-ton, 4-wheel, generator trailers M7 and M18 arranged according to standard government grouping.

*Note:* Many of the parts listed herein are not stocked for issue. See ORD 7-8 section of this catalog for listing of those parts stocked and authorized for issue to the various categories of maintenance. When parts not listed in the ORD 7-8 are needed, separate requisition for these parts should be forwarded through normal supply channels with justification therefor.

b. This list of all service parts is to be used for identification and storage purposes. Every individual part is not necessarily stored by itself; many parts are stored as authorized assemblies. Such assemblies are indicated herein. The components of such assemblies are listed alphabetically within the group, with the total quantity of each part required for that particular application.

c. The Federal stock number column lists those numbers approved by the Defense Supply Management Agency. These numbers should not be confused with Federal standard stock catalog numbers which are utilized by the Ordnance Corps for tools, lubricants, etc.

d. An explanation of reference symbols used throughout this catalog is included under heading NOTES.

e. Classification codes for Federal standard stock catalog numbers listed herein are published in ORD 5-2.

f. If stock numbers in this list do not correspond with those in ORD 7-8, the numbers in publication of later effective date will govern.

g. The prefix letter and number of the stock number (i.e., G159, G530, or G695) usually signifies that the particular part or component was originally coded under the major item designation for that SNL, and does *not* mean that the part is used *only* in that major item. All subsequent catalogs for different items will include the same stock number for this same part.

h. Additional applications of items listed in this publication, if any, are contained in the ORD 5-5 series.

i. For prices of items contained herein, see the appropriate catalog of ORD 5-3 series.

j. The 2-ton, 4-wheel, director trailers M13, M14, and M22 and the 2-ton, 4-wheel, generator trailers M7 and M18, are stored, issued, and reviewed under "MAJOR ITEMS," ORD 3 SNL G-1. These items are nonexpendable.

k. For full information relative to the Ordnance section of the Department of the Army Supply Catalog, including the purposes and uses thereof, the procedure followed, and the principles employed in its compilation, see ORD 1.

2. MAJOR ITEM DESIGNATION. The major items covered in this catalog are designated as special equipment vehicles as defined in AR 700-105.

3. PUBLICATION PERTAINING TO THIS VEHICLE. The following technical manual pertains to this vehicle and components thereof: TM 9-881.

4. INTERCHANGEABILITY OF COMPONENTS. Several parts and accessories of these trailers are interchangeable with corresponding parts of similar vehicles. For instance, the electric brake assembly and accessories are interchangeable with the corresponding parts of a vehicle using the same electric brake.

5. SERIAL NUMBER LOCATION. The serial number for this vehicle is stamped on data plate centrally located on front bulkhead.

6. ILLUSTRATIONS. This catalog contains various illustrations to aid the user in locating and identifying parts. These are placed before each group to be convenient for reference in connection with the text for that group. For each part identified on an illustration, the noun, part number and group number of the item are given. The prefix portion of the figure number indicates the group to which it pertains; the suffix indicates the sequence number within that group (i.e., figure 06-10 signifies illustration number 10 in group 6).

**RESTRICTED—Security Information**

7. COMPONENTS OF ASSEMBLIES. Whenever any doubt might exist as to what items are included as components of assemblies, an explanatory note or a complete listing of such component parts is shown.

8. ATTACHING PARTS. Attaching parts such as bolts, nuts, rivets, washers, etc., are indented immediately under the item which they attach. Whenever two or more similar items having the same attaching parts, such as right and left tail lights, are listed, they are placed one immediately following the other and the attaching parts for *both* are covered by a single listing under the second item.

9. DEFINITION OF LOCATIONAL TERMS. All components are designated *left* and *right* as viewed from the rear of the vehicle facing forward.

10. DESCRIPTION. All items are listed with their complete nomenclature, with the exception noted in *a.* below.

*a.* Items appearing within a subgroup that lists components of and parts related to only *one* assembly or subassembly automatically assume as part of their official nomenclature the title of the pertinent subgroup. (Example: "SPACER, gib plate" is an entry in subgroup 1108. The complete nomenclature of the item is "SPACER, rocker arm gib plate," "ROCKER ARM" being the subgroup title.)

*b.* Items appearing within a subgroup that lists *more than one* assembly or *more than one* group of related items are listed with their complete nomenclature. (Example: "CLIP, retaining, clearance light lens" is an entry in subgroup 0609.1. The complete nomenclature of the item is as shown, the title of the subgroup being "TAIL AND CLEARANCE LIGHTS.")

11. ITEMS PECULIAR TO CERTAIN MODELS. Items peculiar to models (M7), (M13), (M14), (M18), and (M22) are so designated in parenthesis following the description.

12. HOW TO FIND PARTS. This catalog is arranged and cross-indexed so that parts can be found easily even though only one of the several identifying factors is known. The various ways in which parts can be located are as follows:

*a.* If only the nomenclature (basic noun-name) is known, and the subgroup is not, refer to the alphabetical index in the back of catalog. This index will give the subgroup in which the part is listed. As the part names are arranged in alphabetical order within this subgroup, the complete listing of the part can readily be found.

*b.* If any one of the numbers—ordnance, stock, or manufacturer's—is known, refer to the appropriate numerical index in the back of the catalog. This index will give the subgroup number in which the part will be found.

*c.* If the shape, use, function, or location of the part is known, refer to illustrations in which the part is likely to appear until a picture of the part is found. The arrow pointing to the part will lead out to a listing of the name, part number, and subgroup number, which will permit locating the complete listing of the part.

13. STANDARD GOVERNMENT GROUPING. The parts listed in this catalog are arranged by groups and subgroups, and alphabetically within these groups. Parts are grouped primarily on the basis of their function rather than location. This arrangement facilitates identification and selection of parts. Refer to paragraph 12, "HOW TO FIND PARTS."

**06 ELECTRICAL SYSTEM**

0608.1	Junction Boxes, Switch, and Fuse Panel (6 v Circuit)
0608.2	Junction Boxes and Receptacles (M13, M14, and M22, 110 v Circuit)
0608.3	Junction Box, Fuse Block, and Receptacles (M14 and M22, 6 v and 110 v Circuit)
0609.1	Tail and Clearance Lights
0609.2	Dome Lights (M14 and M22)
0613.11	Chassis Wiring (6 v Circuit)

**06—ELECTRICAL SYSTEM—Continued**

0613.12	Body Wiring (M13, M14, and M22, 110 v Circuit)
0613.13	Superstructure Wiring (M14 and M22, 6 v and 110 v Circuit)
0617	Couplings
<b>11—AXLE</b>	
1108	Rocker Arm

**RESTRICTED—Security Information**

**12—BRAKES**

- 1201 Parking Brake
- 1202 Service Brake
- 1207 Electrical System
- 1211 Controller

**13—WHEELS, HUBS, AND DRUMS**

- 1311 Wheels, Hubs, and Drums
- 1313 Tires and Tubes

**15—FRAME**

- 1501 Frame Assembly
- 1503 Drawbar
- 1507.1 Landing Gear (M18)
- 1507.2 Leveling Jacks (M18)
- 1507.3 Corner Jacks (M7, M13, M14, and M22)
- 1507.4 Parking Wheel (M7)

**16—SPRINGS AND SHOCK ABSORBERS**

- 1601 Main Springs
- 1602 Auxiliary Springs
- 1604.1 Shock Absorbers

**18—BODY**

- 1812.11 Body Parts
- 1812.12 Stowage Compartments
- 1812.13 Tail Gate (M7, M13, M14, and M22)
- 1812.14 Ramps and Rails (M18)
- 1812.15 Clamps and Supports (M13, M14, and M22)
- 1812.21 Superstructure (M14 and M22)

**18—BODY—Continued**

- 1812.22 Rear Doors (M14 and M22)
- 1812.23 Sashes (M14 and M22)
- 1812.24 Blackout Panels (M14 and M22)
- 1812.31 Heater Assembly (EVP) (M14 and M22)
- 1812.32 Heater Combustion Chamber (EVP) (M14 and M22)
- 1812.33 Heater Fuel Tank, Lines, and Fittings (EVP) (M14 and M22)
- 1812.41 Heater Assembly (SW) (M14 and M22)
- 1812.42 Heater Combustion Blower (SW) (M14 and M22)
- 1812.43 Heater Ventilating Blower (SW) (M14 and M22)
- 1812.44 Heater Fuel Control Valve (SW) (M14 and M22)
- 1812.45 Heater Switches, Thermostat, and Power Converter (SW) (M14 and M22)
- 1812.46 Heater Fuel Filter, Pump, and Safety Valve (SW) (M14 and M22)
- 1812.5 Ventilating Blower (M14 and M22)
- 1812.6 Miscellaneous Equipment (M13, M14, and M22)

**20—WINCH**

- 2001.1 Winch Assembly (M18)

**22—MISCELLANEOUS ACCESSORIES**

- 2201 Curtains and Bows (M13)
- 2202 Reflectors
- 2210 Data Plates

**14. ABBREVIATIONS.** The following abbreviations appear in this catalog:

adj.....adjustable  
 al.....aluminum  
 alloy-S.....alloy steel  
 amp.....ampere  
 anld.....annealed  
 assy.....assembly  
 AWG.....American Wire Gage  
 b-hd.....button head  
 bay.....bayonet (lamp base)  
 bdg-hd.....binding head  
 blunt-pt.....blunt point  
 br.....brass  
 br-pltd.....brass plated  
 brght.....bright  
 bz.....bronze  
 c.....cycle  
 c-pin.....cotter pin  
 cand-bay-base.....candelabra bayonet base  
 cd.....cadmium  
 cd-pltd.....cadmium plated  
 chamfered-pt.....chamfered point  
 cr-pltd.....chromium plated  
 CI.....cast iron  
 ck-hd.....countersunk head  
 cold-fin-S.....cold finished steel

cone-pt.....cone point  
 contd.....continued  
 cop.....copper  
 corr-res-S.....corrosion resistant steel  
 cp.....candlepower  
 ctd.....coated  
 ctl.....castle or castellated  
 cup-pt.....cup point  
 dble.....double  
 dble-contact.....double contact  
 dble-dld-f lkg-wire.....double drilled for locking wire  
 dble-tun-fil.....double tungsten filament  
 dc.....direct current  
 deg.....degree (angle)  
 diam.....diameter  
 dld.....drilled  
 dld-f c-pin.....drilled for cotter pin  
 dld-f lkg-wire.....drilled for locking wire  
 dld-hd.....drilled head  
 dog-pt.....dog point  
 dl-rd.....drill rod  
 DP.....double pole  
 DR.....double row  
 ea.....each  
 elec.....electric

**RESTRICTED—Security Information**

exter.....	external	NF.....	National Fine Thread
ext-long.....	extra long	NPS.....	National Straight Pipe Thread
ext-teeth.....	external teeth (lock washer)	NPT.....	National Taper Pipe Thread
f/.....	for	NS.....	National Form Thread, Special Pitch
fbr.....	fiber	ni-alloy-S.....	nickel alloy steel
fig.....	figure	ni-pltd.....	nickel plated
fil.....	filament	ni-S.....	nickel steel
fil-hd.....	fillister head	No.....	number
fin.....	finish	non-adj.....	non adjustable
fl-ck-hd.....	flat countersunk head	od.....	olive drab
fl-hd.....	flat head	OD.....	outside diameter
fl-pt.....	flat point	opng.....	opening
freq.....	frequency	oval-ck-hd.....	oval countersunk head
ft.....	foot	oval-hd.....	oval head
ga.....	gage	oxide-ctd.....	oxide coated
GI.....	galvanized iron	p-bz.....	phosphor bronze
gib-hd.....	gib head	pan-hd.....	pan head
gimlet-pt.....	gimlet point	phos-ctd.....	phosphate coated
glvd.....	galvanized	pilot-pt.....	pilot point
hd.....	head	pltd.....	plated
hdls.....	headless	pl-washer.....	plain washer
header-pt.....	header point	pr.....	pair
hex.....	hexagonal	psi.....	pounds per square inch
hex-hd.....	hexagon head	pt.....	point
hex-socket.....	hexagon socket	rd.....	round
hp.....	horsepower	rd-end.....	round end
ht.....	height	rd-hd.....	round head
hv.....	heavy	rd-pt.....	round point
I.....	iron	reg.....	regular
ID.....	inside diameter	reqd.....	required
in.....	inch (es)	RH.....	right hand
inc.....	incorporated	rpm.....	revolutions per minute
incand.....	incandescent	ru.....	rubber
int-ext-teeth.....	internal external teeth (lock washer)	S.....	steel
int-teeth.....	internal teeth (lock washer)	SAE.....	Society of Automotive Engineers
JAN.....	Joint Army Navy	s-fin.....	semifinished
knob-hd.....	knob head	sgle.....	single
kw.....	kilowatt	sgle-contact.....	single contact
lg.....	long	sgle-ear.....	single ear
lgh.....	length	sgle-ph.....	single phase
LH.....	left hand	sgle-tun-fil.....	single tungsten filament
lkg-wire.....	locking wire	sh-met-thd.....	sheet metal threads
lt.....	light (weight)	sh-S.....	sheet steel
lubr.....	lubricating	sld.....	slotted
M.....	model	sld-hex-hd.....	slotted hexagon head
mach.....	machine	socket-hd.....	socket head
med.....	medium	SP.....	single pole
mfd.....	microfarad	spg-S.....	spring steel
mfr's.....	manufacturer's	sq.....	square
MI.....	malleable iron	sq-ends.....	square ends
min.....	miniature	sq-hd.....	square head
misc.....	miscellaneous	sq-nk.....	square neck
mmfd.....	micromicrofarad	sq-nut.....	square nut
mushroom-hd.....	mushroom head	SR.....	single row
N.....	National Thread Form	std.....	standard
NC.....	National Coarse Thread	stght.....	straight
NEF.....	National Extra Fine Thread		

**RESTRICTED—Security Information**

stght-groove.....	straight groove	unfin.....	unfinished
stk.....	stock	ungr.....	unground
tapd.....	tapered	v.....	volt
taper-pt.....	taper point	w.....	watt
tgls.....	tongueless	w/.....	with
thd.....	thread	WI.....	wrought iron
thk.....	thick	w/o.....	without
tnd.....	tinned	x.....	(by, in dimensions only, as 2 x 4)
truss-hd.....	truss head	zn.....	zinc
tun-fil.....	tungsten filament	zn-dichromate.....	zinc dichromate
US std.....	United States standard	zn-pltd.....	zinc plated

15. MANUFACTURERS' SYMBOLS. The following symbols, preceding the manufacturers' part numbers, appear in this catalog:

<i>Symbol</i>	<i>Manufacturer</i>	<i>Symbol</i>	<i>Manufacturer</i>
AD	Alemite Div (Stewart-Warner Corp)	GG	Gleason Works
ADV	Advance Stamping Co	GM	General Motors Corp
AE	Appleton Electric Co	HC	Cole-Hersee Co
AER	The Aiolite Co	KD	K-D Lamp Div (Noma Electric Corp)
AMP	American Phenolic Corp	KHW	Kelsey Hayes Wheel Co
AVM	Atwood Vacuum Machine Co	KRT	Krauter & Co, Inc
BEP	Bulldog Electric Products Co	LBE	Lamb Electric Co, The
BN	Bantam Bearings Div (The Torrington Co)	LO	Wagner Electric Corp
BRA	Braden Winch Co	MID	Midland Steel Products
BSM	Bussman Mfg Co	MMR	Meteor Motor Car Co, The
BUE	Budd Co, The	MZ	General Electric Co, Lamp Dept
BV	ACF-Brill Motors Co	NC	Nice Ball Bearing Co
BW	Budd Co, Wheel Div	NCC	National Carbon Co, Inc
CB	Electric Auto-Lite Co, The; Lamp Div	NE	North Electric Mfg Co
CCM	Checker Cab Mfg Corp	NEP	National Electric Products Corp
CH	Cutler-Hammer, Inc	RB	Roller Bearing Co of America
CHC	Cleveland Hardware and Forging Co, The	RUM	Rumsey Electric Co
CRH	Crouse-Hinds Co	SCI	Scintilla Magneto Div (Bendix Aviation Corp)
CWL	Cowles, C, and Co	SGP	Saginaw Products Corp
EHH	Eby, Hugh H, Inc	SW	Stewart-Warner Corp
ESS	Electric Service Mfg Co	TB	Thomas & Betts Co
ESW	Essex Wire Corp	TIM	Timken Roller Bearing Co, The
ET	Ilg Electric Ventilating Co	TL	Tillotson Mfg Co, The
EVP	Evans Products Co	TRU	American Chain and Cable Co, Inc
FEN	Fenwal, Inc	WEB	Warner Electric Brake Mfg Co
FF	Fruehauf Trailer Co	WK	Kidde, Walter & Co
FRK	Franklin Machine Co	WMS	Williams, J H, & Co
GE	General Electric Co	ZP	Skinner Purifiers, Inc

16. SUGGESTIONS. Notice of discrepancies or suggested changes should be directed to the Chief of Ordnance, Department of the Army, Washington 25, D. C., ATTENTION: ORDFM-Pub.

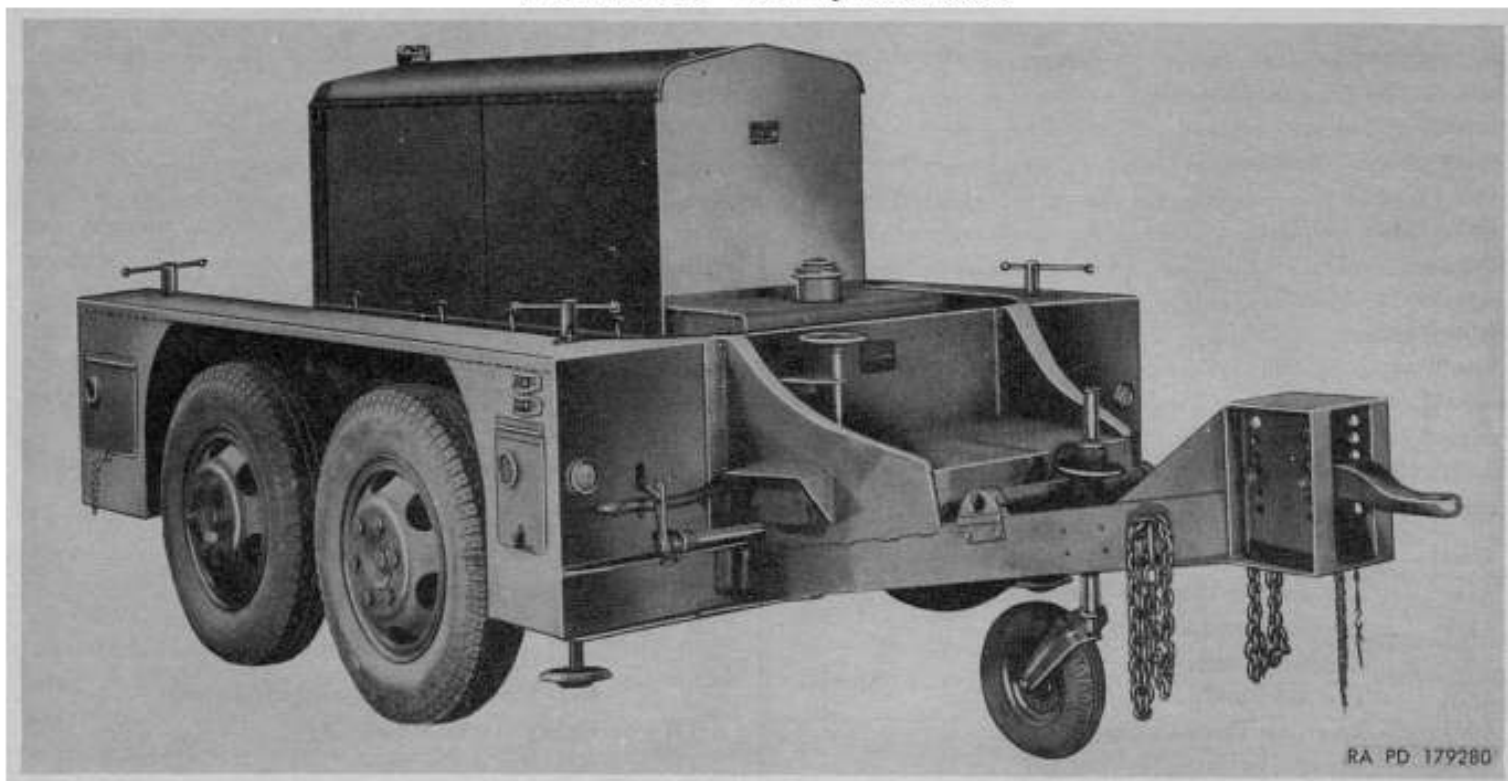
**NOTES****Explanation of Symbols**

H-1 SNL symbols such as H-1, K-2, etc, refer to the SNL in which the item is reviewed.

‡ As required.

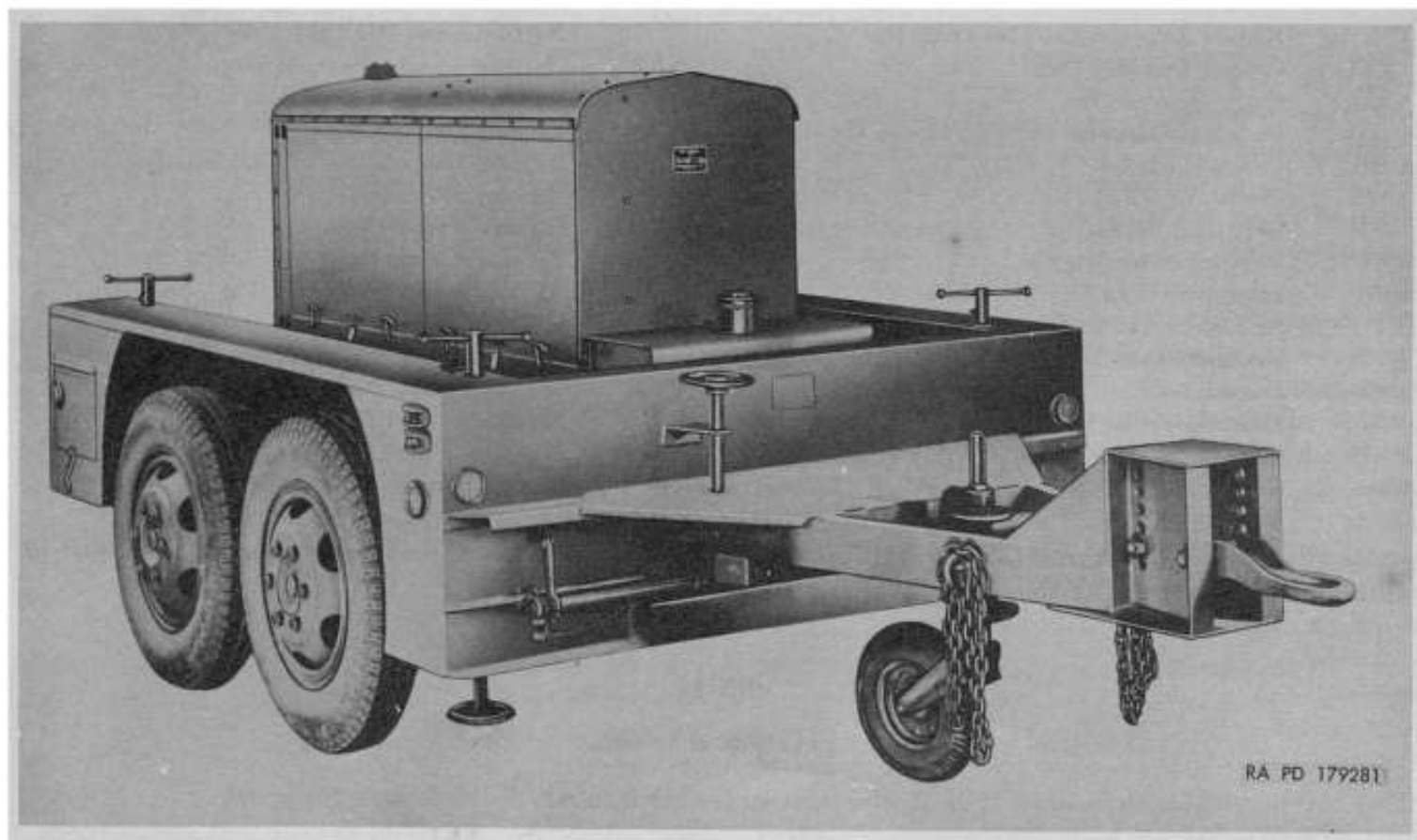
SIG Signal Corps.

**RESTRICTED—Security Information**



RA PD. 179280

*Figure 1. Trailer, 2-ton, 4-wheel, generator, M7 (ACF-Brill Motors Co.).*

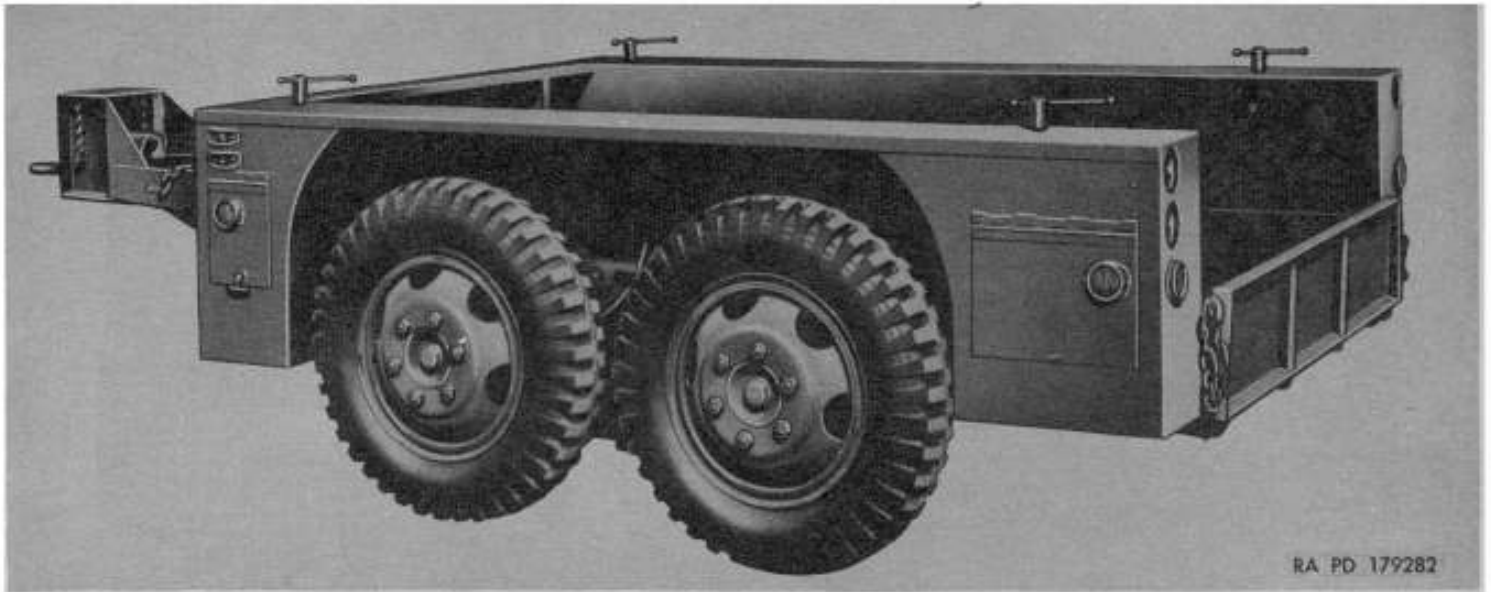


RA PD 179281

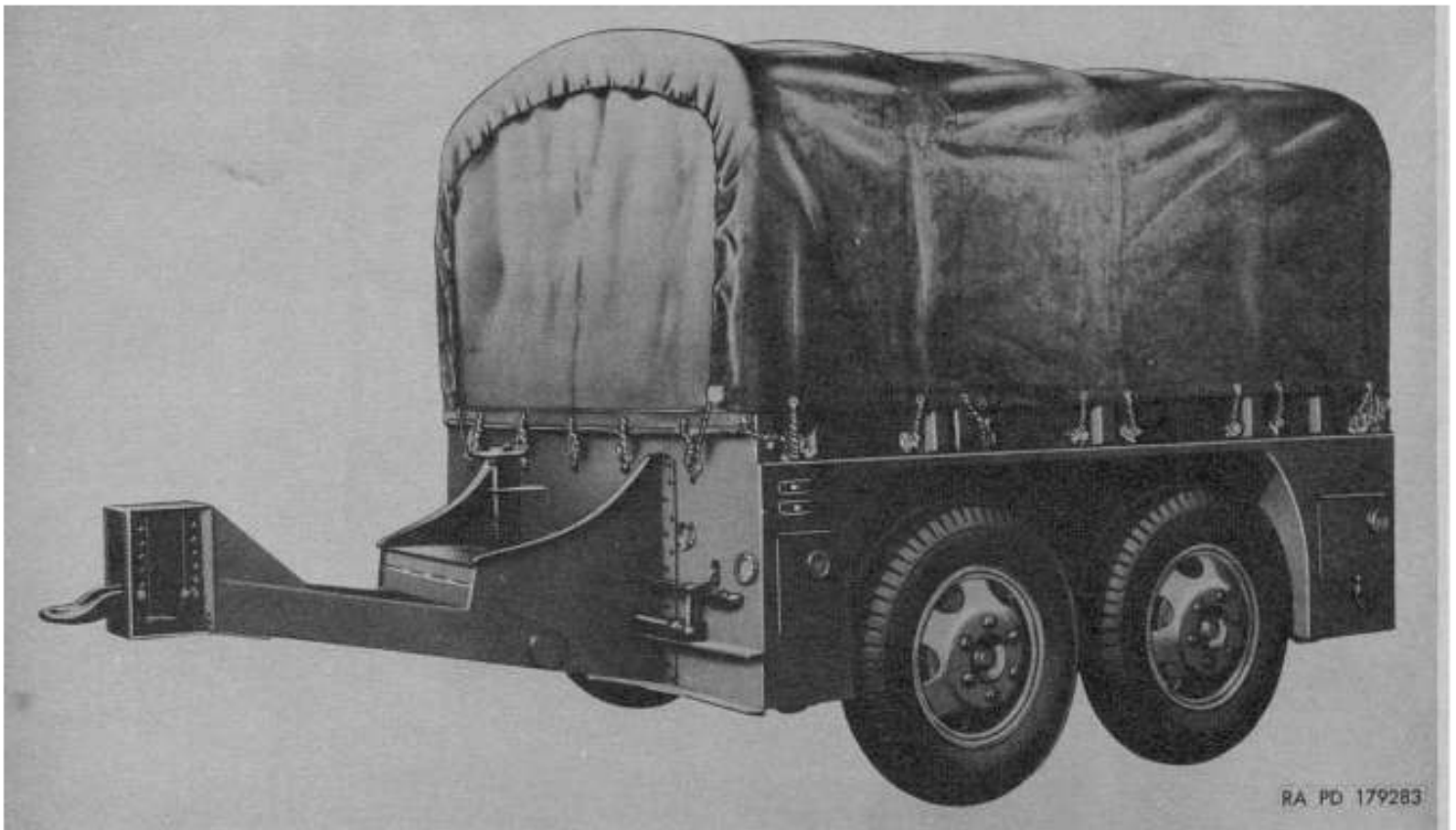
*Figure 2. Trailer, 2-ton, 4-wheel, generator, M7 (Fruehauf Trailer Co.).*

**RESTRICTED**

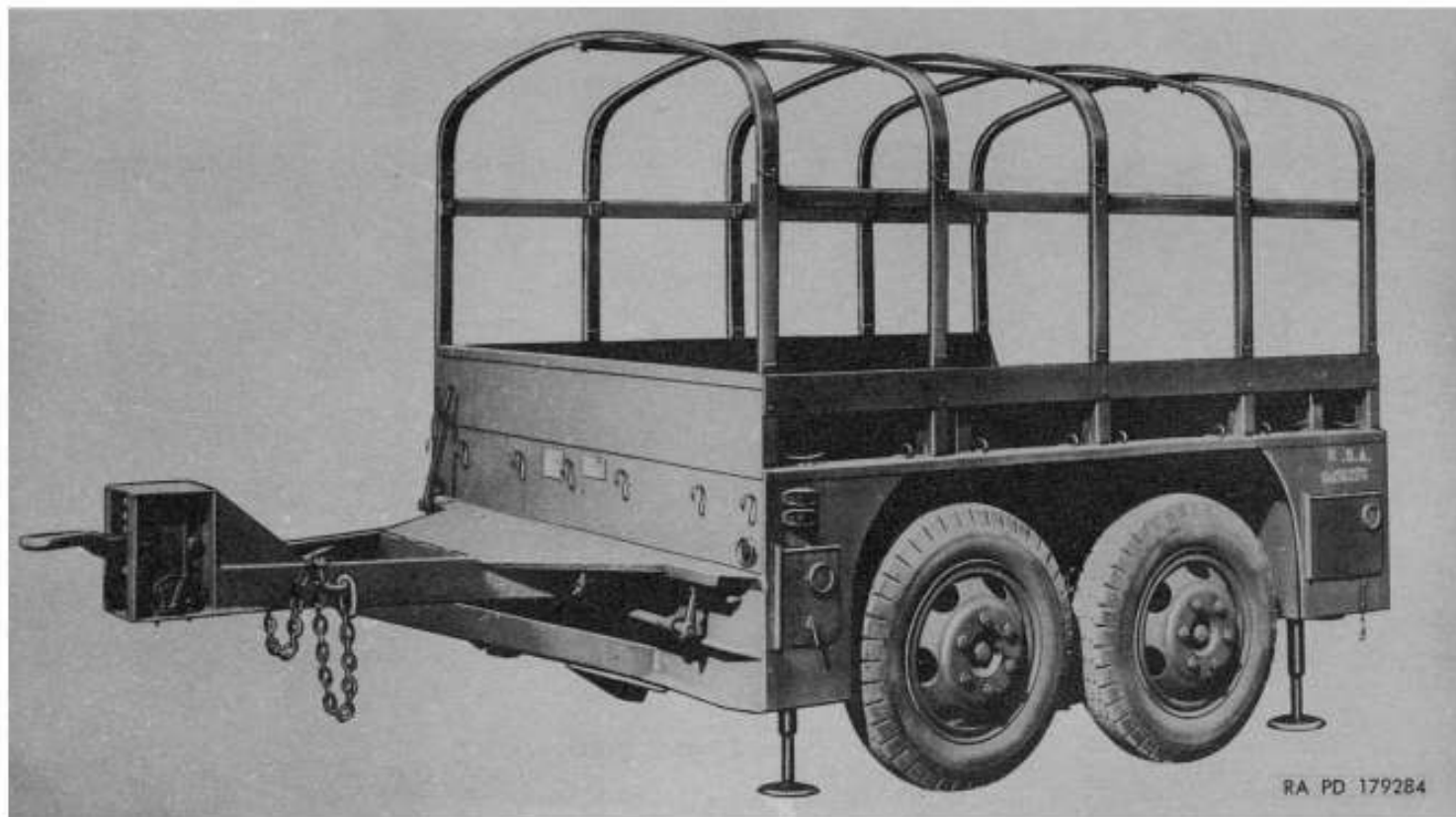




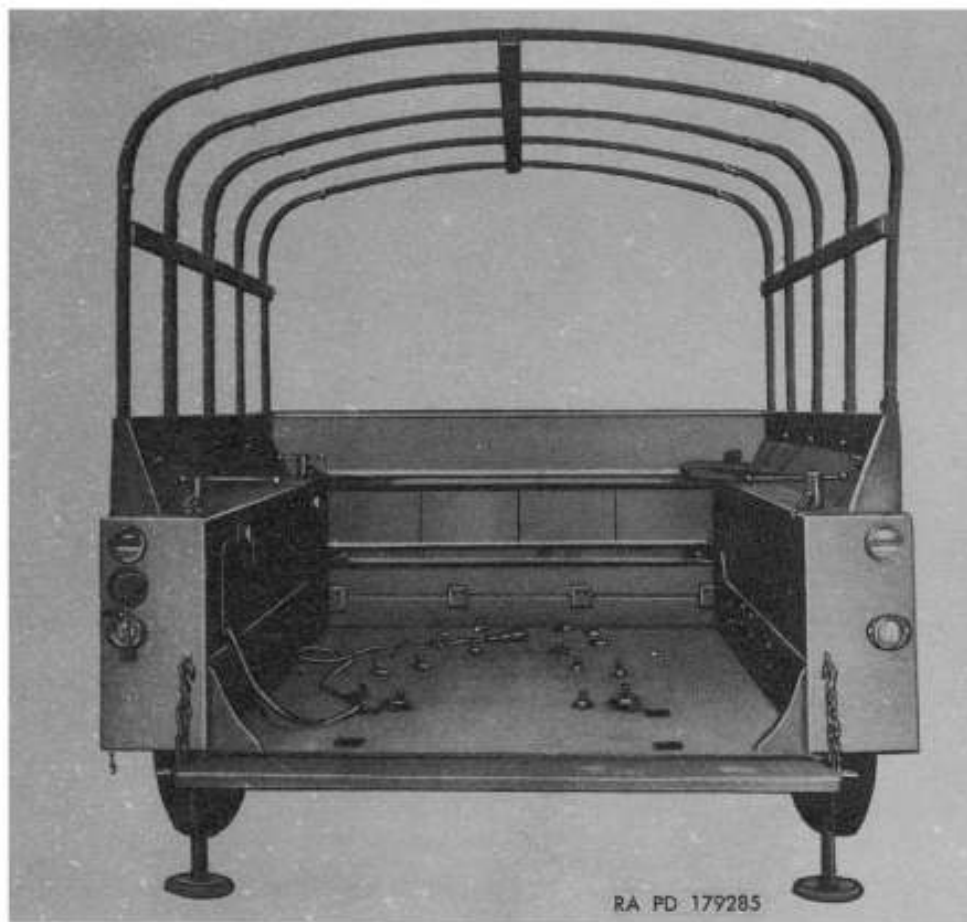
*Figure 3. Trailer, 2-ton, 4-wheel, generator, M7.*



*Figure 4. Trailer, 2-ton, 4-wheel, director, M13 (ACF-Brill Motors Co.).*



*Figure 5. Trailer, 2-ton, 4-wheel, director, M13 (Fruehauf Trailer Co.).*



*Figure 6. Trailer, 2-ton, 4-wheel, director, M13.*