

RESTRICTED

**DEPARTMENT OF THE ARMY
SUPPLY CATALOG**

ORD 8-9 SNL G-185

(INCLUDES G-187)

Group G

**Field and Base Maintenance Spare Parts and Equipment
and**

**List of All Service Parts
for**

**VEHICLE, TANK RECOVERY, M32, M32A1,
M32A1B1, AND M32B1 (SNL G-185)**

**VEHICLE, TANK RECOVERY, M32B3 AND M32A1B3
(SNL G-187)**

Ref. TM 9-738

**Supersedes ORD 7-8-9 SNL G-185 and G-187, 1 September
1944, including Changes No. 1, 10 February 1945, and Changes
No. 2, 5 August 1945**

THIS PAMPHLET IS CORRECT TO 14 JANUARY 1948

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Washington 25, D.C., 5 May 1948

Department of the Army Supply Catalog ORD 8-9 SNL G-185 (Includes G-187), Field and Base Maintenance Spare Parts and Equipment and List of All Service Parts for Vehicle, Tank Recovery, M32, M32A1, M32A1B1, and M32B1 (SNL G-185); Vehicle, Tank Recovery, M32B3 and M32A1B3 (SNL G-187), is published for the information and guidance of all concerned.

[AG 461 (26 Jan 48)]

BY ORDER OF THE SECRETARY OF THE ARMY:

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EDWARD F. WITSELL
Major General
The Adjutant General

OMAR N. BRADLEY
Chief of Staff, United States Army

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For explanation of distribution formula see TM 38-405.

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1. GENERAL INFORMATION. *a.* This is a list of the serviceable components of only those items necessary to convert the Medium Tanks M4, M4A1, and M4A3 to Tank Recovery Vehicles M32, M32A1, M32A1B1, M32B1, M32B3 and the M32A1B3, respectively. Refer to Supply Catalogs covering basic vehicles for chassis and engine parts. **WARNING:** *Many of the parts listed herein are not stocked for issue. The estimated quantities of component parts and equipment for the Tank Recovery Vehicles that are stocked for issue are indicated in columns 9 through 15. Those parts that are not stocked for issue are noted as "Not Authorized"*

b. This combined list of all service parts and field and base maintenance spare parts and equipment is to be used for identification, requisitioning, issue, and storage purposes. Every individual part is not necessarily stored by itself; in fact, many parts are stored as authorized assemblies. Such assemblies are indicated herein. The components, however, of such assemblies are listed alphabetically within the group with the quantity of each particular part required for each unit assembly.

c. The Note Symbol column contains reference symbols. These may be letters such as *a* or *c*, characters such as % or ‡ which are explained under the heading "NOTES" or SNL designations such as *H-1* or *J-1*.

d. For full information relative to the Ordnance section of the Army Supply Catalog, including the purposes and uses thereof, the procedure followed, and the principles employed in its compilation, see ORD 1, Introduction; ORD 2, Index; and the Ordnance Provision System Regulations (OPSR).

2. REQUISITION NOTES. If the exact item requisitioned is not furnished or other action is necessary, the action taken by the supplying agency will be indicated on prescribed forms by standard symbols explaining the exact nature of the action.

3. UNIT OF MEASURE. Column 7 lists the unit of measure used for each item. This may be in the form of an actual unit of measure, such as "oz.", "lb.", etc.; or, as in the case of most items, merely by the use of "each" designated by "ea."

4. QUANTITY PER UNIT ASSEMBLY. Column 8 lists the actual quantity of each line item per unit assembly.

5. FIELD STOCK GUIDE. *a.* Column 9 lists the quantities of spare parts and equipment to be used as a stock guide for medium and heavy maintenance organizations and field depots.

b. In order that the Ordnance Department at large may be able to make equitable distribution of the total stock of any one item, ordnance organization commanders should limit their requisitions and stocks to the *absolute minimum* requirements that are estimated to be necessary for *each* contemplated tactical operation. The chief ordnance officer of a force is responsible that various ordnance units in the force do *not* use this *same* number of major items in computing their stocks; e.g., if there is a grand total of 168 Vehicles in the entire force, each ordnance unit in the force should not claim the entire 168 Vehicles as a basis for computing its stocks. The chief ordnance officer must allocate, for spare parts stockage purposes, the number of major items of the force among the various ordnance units. See Supply Functions of Company, FM 9-10, Ordnance Field Maintenance.

6. BASE DEPOT (Including Base Maintenance). Column 10 lists the estimated quantities of parts required for one year's maintenance per 100 major items.

7. PROCUREMENT. Column 11 lists the quantities procured for one year's maintenance per 100 major items, including the distribution factor required for proper functioning of the Ordnance Provision System.

8. REBUILD. Column 14 lists the guide quantities for re-manufacturing on the basis of 100 units.

9. PLAN FOR MAINTENANCE. Maintenance operations to be performed in each echelon are indicated by the availability of spare parts as shown in a particular echelon column or a symbol signifying authority to requisition for use in that echelon.

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10. SPECIAL INFORMATION. *a.* Ordnance installations will find Classification Codes in ORD 5-2, Alphabetical Index to Stock List of all Items, for Federal Stock Numbers listed herein.

b. For prices of items contained herein, see the appropriate pamphlet of ORD 5-3, Pricing Guide.

11. MAJOR ITEM DESIGNATION. The major items covered by this catalog are designated as combat vehicles, as defined in paragraph 2, AR 850-15, dated 1 August 1945.

12. COMPONENTS OF KITS, SETS, AND ASSEMBLIES. Whenever any doubt might exist as to what items are included as components of kits, sets, or assemblies, an explanatory note or complete listing of such components is shown.

13. ATTACHING PARTS. Attaching parts, such as bolts, nuts, rivets, screws, washers, etc., are indented immediately under the item to which they apply.

14. STANDARD HARDWARE AND BULK MATERIAL. All Ordnance standard hardware, etc. and bulk material applicable to the major items are summarized in group 2304, with procurement quantities indicated for authorized items.

15. PUBLICATIONS PERTAINING TO THIS VEHICLE. TM-9-738.

16. DEFINITION OF LOCATIONAL TERMS. The terms left and right with respect to the vehicles are designated as to the driver's left and right, respectively.

17. 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 the general nomenclature only is known, but the subgroup location is not, refer to the alphabetical index in the back of the catalog. This index will give the subgroup in which the part is listed in detail. As the part names (basic nouns) are arranged in alphabetical order within this subgroup, the complete listing of the part can readily be found. Exceptions are for vehicular tools and equipment and general use standard parts which are summarized in their own respective subgroups.

b. If any one of the part numbers—Stock Number, Ordnance Number, or Manufacturer's Number—is known, refer to the appropriate numerical index in the back of the catalog. This index will give the subgroup in which the part can be found by following the procedure given in the previous paragraph with same exceptions.

18. INDEXES. Complete indexes, alphabetical and numerical in that order, are to be found at the back of the catalog. These indexes are explained in brief on page 83.

19. STOCK NUMBERS. The prefix letter and number of the stock number (i.e., G-104, G-103, or G-167) usually signifies that the particular part of 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 lists for different vehicles will include the same stock number for this same part.

20. SPECIFIED ASSEMBLIES. This catalog contains certain assemblies which are subject to specific definition by the Ordnance Department. Such assemblies as listed are defined in and conform to the applicable provisions of SB 9-40, Ordnance Motor Vehicles Assemblies, and subsequent changes thereto.

21. ILLUSTRATIONS. This catalog contains various illustrations to aid the user in locating and identifying parts. These are so placed as to be convenient for reference in connection with the text. For each part identified on an illustration, the noun, part number and group number of the item are given.

22. SUGGESTIONS. Notice of discrepancies or suggested changes should be directed to Office, Chief of Ordnance, Field Service Division, Maintenance Branch, Military Publications Section, ORDFM-Pub, Washington 25, D.C.

23. STANDARDIZED GOVERNMENT GROUPING. The parts listed in this catalog are divided into groups and subgroups in accordance with the Standardized Government Grouping. This division into groups facilitates the location and identification of each part.

06—ELECTRICAL SYSTEM

- 0609.2 Auxiliary Lights and Lamps
- 0613.1 Hull Wiring

07—TRANSMISSION

- 0706.3 Transmission Oil Cooler

09—PROPELLER SHAFT

- 0900 Propeller Shaft, Covers and Attaching Parts

13—SUSPENSION

- 1304 Track Drive Extension

14—CONTROLS

- 1402 Throttle Controls
- 1403 Clutch Controls

15—FRAME AND BRACKETS

- 1501 Towing and Lifting Bridle
- 1503 Front and Rear Pintles
- 1503.1 Rear Towing Frame

18—HULL

- 1804 Gun Barrel Support
- 1805 Hull Floor Seals
- 1808 Hull, Stowage, and Hull Miscellaneous

19—TURRET

- 1900 Turret
- 1901 Turret Crash Pad and Machine Gun Mount
- 1901.3 Turret Gunner's Seat
- 1903.1 Turret Door
- 1906 Turret Stowage Racks

20—WINCH AND POWER TAKE-OFF

- 2001 Winch, Winch Parts and Winch Controls
- 2001.1 Dragline Roller
- 2002 Winch Power Take-Off Box
- 2002.1 Winch Power Take-Off Box Controls
- 2002.2 Winch Drive Chain and Drive Chain Tightener
- 2002.3 Declutching Sprocket and Controls
- 2004 Boom and Hoist Parts

23—GENERAL USE STANDARDIZED PARTS

- 2301 Vehicular Common Tools
- 2302 Vehicular Special Tools
- 2303 Vehicular Equipment
- 2304 Standard Hardware

24. MANUFACTURERS' SYMBOLS. Listed below are the manufacturerers' symbols used in this catalog.

<i>Symbol</i>	<i>Manufacturer</i>
AD	Alemite Div. (Stewart-Warner Corp.)
AUP	Aurora Pump Co.
GW	Gar Wood Industries, Inc.

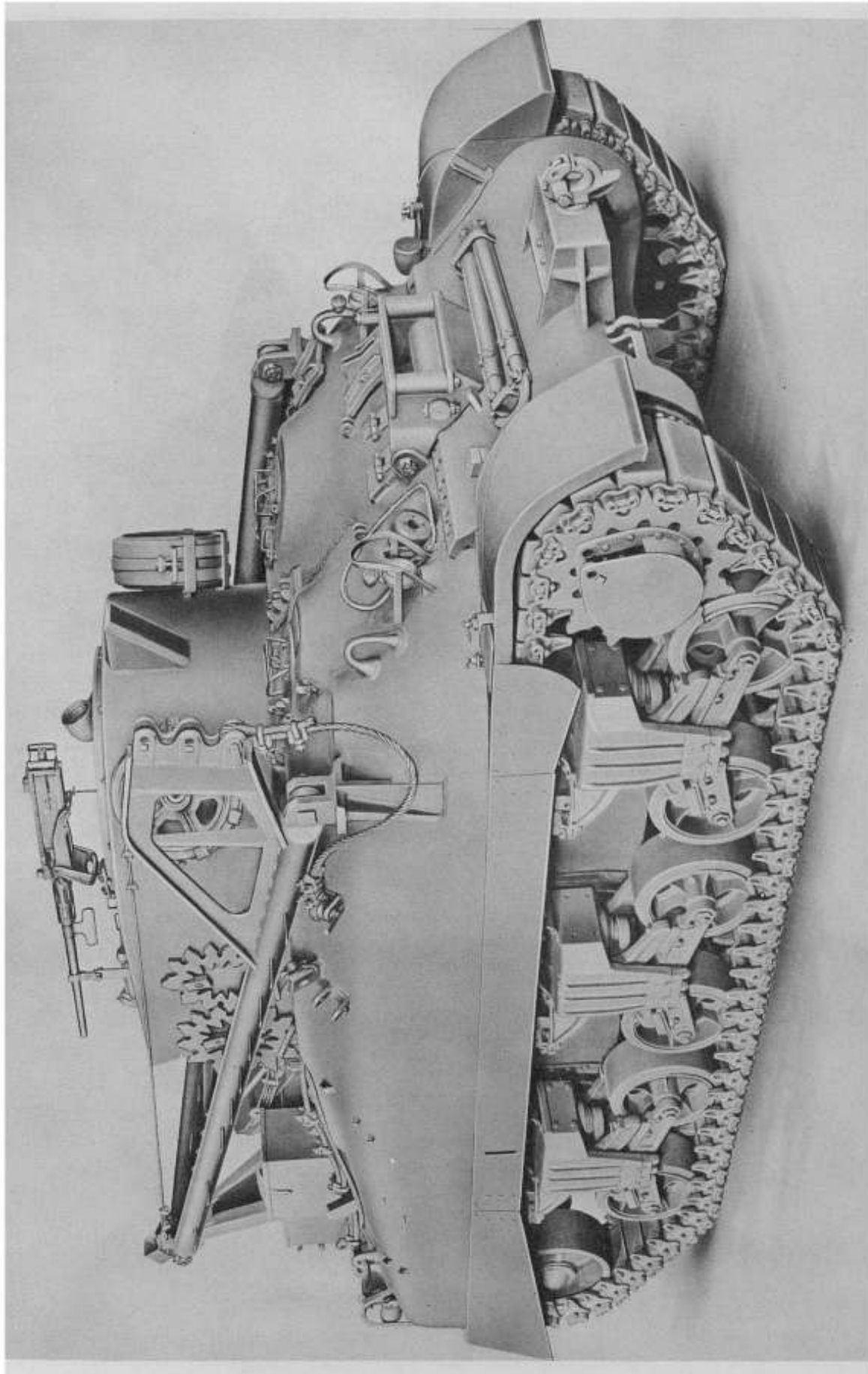
<i>Symbol</i>	<i>Manufacturer</i>
HR	Harrison Radiator Div. (General Motors Corp.)
SW	Stewart-Warner Corp.
TD	Timken-Detroit Axle Co., (The)

25. LIST OF ABBREVIATIONS. The following is a list of standard abbreviations appearing in G-group publications:

alloy-S.....	alloy-steel	chr-ni-S.....	chrome nickel steel
al.....	aluminum	C.I.....	cast iron
al-bz.....	aluminum bronze	ck.....	countersunk
amp.....	ampere	ck-hd.....	countersunk head
anld.....	annealed	cold-fin-S.....	cold finished steel
approx.....	approximately	contd.....	continued
AWG.....	American wire gage	cop.....	copper
bdg-hd.....	binding head	cop-asbestos.....	copper asbestos
blk-enmld.....	black enameled	cp.....	candlepower
br.....	brass	cup-pt.....	cup point
bz.....	bronze	dble.....	double
bz-fin.....	bronze finished	dble-tun-fil.....	double tungsten filament
cand. bay. base.....	candelabra bayonet base	deg.....	degree
cd-pltd.....	cadimium plated	diam.....	diameter
chr.....	chromium	dld. f/c-pin.....	drilled for cotter pin
chr-alloy-S.....	chrome alloy steel	dld. f/lkg-wire.....	drilled for locking wire

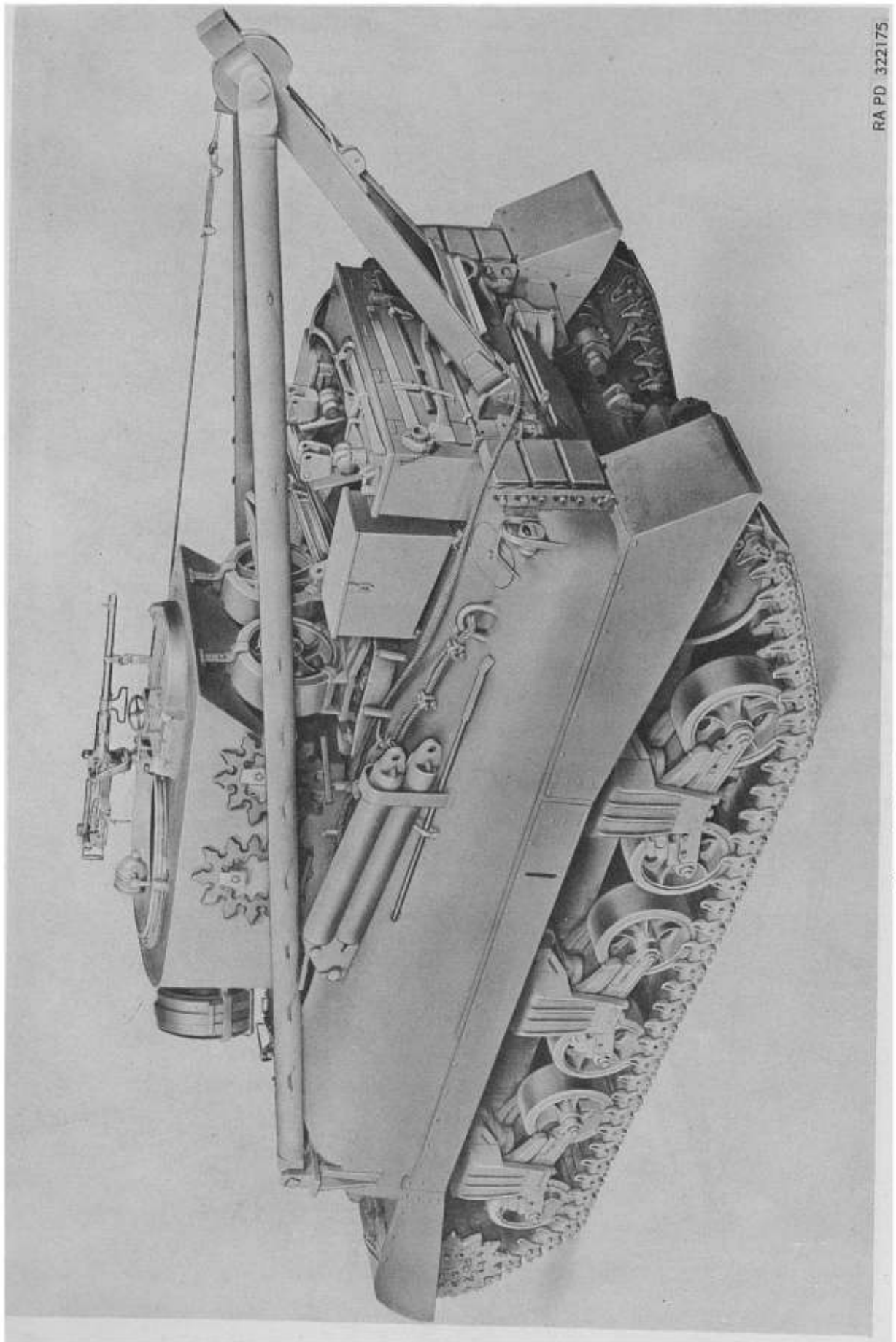
dld-hd.....drilled head
 dld-sq-hd.....drilled square head
 D.R.....double row
 elec.....electric
 ext-teeth-lockwasher.....external teeth lockwasher
 Fed. Spec.....Federal Specifications
 fil.....filament
 fil-hd.....fillister head
 fl-hd.....flat head
 ft.....foot (or feet)
 gal.....gallon
 glvd.....galvanized
 graph-bz.....graphite bronze
 hd.....head
 hex.....hexagon
 hex-hd.....hexagonal head
 hr.....hour
 hv.....heavy
 I.D.....inside diameter
 in.....inch (or inches)
 incand.....incandescent
 int-teeth.....internal teeth
 lb.....pound
 ld-ctd.....lead coated
 lg.....long
 lgh.....length
 lgt.....light
 L.H.....left hand
 mach.....machine
 mach. screw.....machine screw
 med.....medium
 mfd.....microfared
 M.I.....malleable iron
 min.....miniature
 mm.....millimeter
 NC.....national coarse
 NEF.....national extra fine
 neg.....negative
 NF.....national fine
 ni-S.....nickel steel

No.....number
 nom. size.....nominal size
 NPT.....national pipe thread
 NS.....national form special
 O.D.....outside diameter
 ORD.....Ordnance
 oval-hd.....oval head
 oz.....ounce
 phos-ctd.....phosphate coated
 pos.....positive
 psi.....pounds per square inch
 rd-end.....round end
 rd-hd.....round head
 rd-pt.....round point
 reg.....regular
 R.H.....right hand
 ru.....rubber
 S.....Steel
 SAE.....Society of Automotive Engineers
 s-fin.....semi finished
 sgle.....single
 sgle-tun-fil.....single tungsten filament
 socket-hd.....socket head
 sq.....square
 sq-ends.....square ends
 sq-hd.....square head
 S.R.....single row
 std.....standard
 stght.....straight
 T.....teeth
 term.....terminal
 thd.....threaded
 thk.....thick
 TPI.....threads per inch
 unfin.....unfinished
 U.S. std.....U.S. standard
 v.....volts
 w/.....with
 w/o.....without
 zn-pltd.....zinc plated



RA PD 322174

Figure 1. Tank Recovery Vehicle M32—right front view.



RA PD 322175

Figure 2. Tank Recovery Vehicle M32—left rear view.



RA PD 322172

Figure 3. Tank Recovery Vehicle M32—left front view.