

ORDNANCE NUMBER INDEX—Lists the parts which have been assigned Ordnance Numbers by alphabetical prefix and numerical sequence showing the Item Stock Number of the part and the group number in which it appears.

STANDARD PART NUMBER—Lists all Ordnance Standard Parts by alphabetical sequence showing the Item Stock Number of the part and number of the group in which it appears.

VENDORS' PART NUMBER INDEX—Lists alphabetically all Vendors' part numbers in groups according to the Vendors' Symbols and in alphabetical or numerical sequence within each group, showing the Item Stock Number for each part and the number of the group in which it appears.

ALPHABETICAL INDEX—All parts, except the standard parts, are listed alphabetically by noun name showing the number of the group in which they appear.

HOW TO FIND PARTS.

There are several ways to find any part quickly, using the various indexes, illustrations, and standardized government grouping. The following instructions and examples are given as a guide:

- a. If only the description or name of the part is known—
 1. Turn to alphabetical index and locate the part by noun name and description.
 2. Turn to the group shown opposite the name of the part. Group numbers appear on the upper outside corner of each page.
 3. Refer to the proper sub-heading under which the part is listed and locate the part.
- b. If only the location or function of the part in the vehicle is known—
 1. Turn to the standardized government grouping list, pages 7 and 8, or illustrations in front of book showing group numbers, and determine the number of the group in which the part is most likely to be listed.
 2. If the group number is found, review the illustrations which apply to that group or allied groups. When the proper illustration is found, refer to the legend to determine the group number, part number, and name of the part.
 3. Turn to the proper group and locate the part, either by part number or by description.
- c. If only the item stock number of the part is known—
 1. Refer to the item stock number index and locate the proper item stock number by SNL alphabetical prefix and then numerical sequence.
 2. Turn to the group shown opposite the item stock number and locate the part.
- d. If only the ordnance part number of the part is known—
 1. Refer to the ordnance part number index and locate the proper number listed in alphabetical order by prefix and in numerical sequence.
 2. Turn to the group shown opposite the part number and locate the part.
- e. If only the vendor's part number of the part is known—
 1. Refer to the proper vendor's part number index and locate the part number.
 2. Turn to the group shown opposite the part number and locate the part.

For example, let us say we are asked to get the Drain Plug for the Upper Fuel Tank. Referring to the Standardized Government Grouping List, we find "Fuel Tanks" listed in sub-group 0300. Turning to the group in the Body Section of the book, we find the sub-head "Upper Fuel Tank." The required Plug is found in alphabetical sequence within the sub-group. If some doubt exists as to whether or not the correct Plug has been found, a check can be made against the illustration referred to in the plate number column, since this part is illustrated.

The part also could be found by referring to the alphabetical index under "Plug, Upper Fuel Tank Drain." Here we find the same sub-group reference and, by following the steps outlined in the paragraph above, we arrive at the same conclusion.

Another way of finding the Plug is to refer to the illustrations index for a listing of figures which apply to the group in which the part is listed. The part may be found on an illustration and the required part number and group number will be determined from the legend.

ELECTRICAL WIRING DIAGRAMS—The electrical wiring is sub-divided into major circuits. The systems, consisting of the conduit and wires therein, are identified by symbols, which are not to be confused with the regular alphabetical keys. For example, all Hull system symbols begin with "H" followed by a letter. The wires within the system carry the system symbol followed by a numeral and, in some cases, a numeral and a letter to identify related wires. The basic letter symbols are as follows: BB for Battery Box; E for Engine Compartment; FP for Filter Panel; G for Gun Firing; H for Hull; MS for Master Switch Box; P for Instrument Panel; R for Radio. The individual wires within the instrument panel are identified by the letter P followed by a numeral.

DESIGNATION OF PARTS—All like parts pertinent to the vehicle which are not interchangeable are designated by LEFT and RIGHT in respect to their position in the vehicle when it is viewed from the rear facing forward. All like parts pertinent to the power unit which are not interchangeable between engines are designated by (LA engine) for the engine on the right side of the vehicle and by (LC engine) for the engine on the left side of the vehicle.

SERIAL NUMBERS—

Name of Unit	Location
BATTERY.....	Cell Connector at Top of Battery
CRANKING MOTOR.....	On Motor Housing
EMERGENCY STOP SOLENOID.....	On Housing
FIXED FIRE EXT. CONTROL.....	Face of Housing
GENERATOR.....	On Generator Housing
GENERATOR REGULATOR.....	On Cover
GUN RECOIL CYLINDER.....	Top of Cylinder
GUN MOUNT M5.....	Bracket on Top of Gun Breech
INTERPHONE BOX.....	Face of Box
LA ENGINE.....	Rear of Cylinder Block Under Secondary Fuel Filter
LC ENGINE.....	Front of Cylinder Block Under Governor Housing
PERISCOPE.....	Center of Left Side of Housing
POWER TRAIN.....	Center of Top Slope on Differential Housing Inside of Tank
RADIATOR.....	Stamped on Radiator Shell
RADIO.....	Front Face of Case
RIFLE.....	Top of Shell Chamber
SIREN.....	Top of Motor Housing
THOMPSON SUB-MACHINE GUN.....	Left Side of Magazine
VEHICLE.....	Left Lower Hull Side Plate at Driver's Seat
3-IN. GUN—M7.....	Top of Breech
50-CAL. MACHINE GUN.....	Right Side of Magazine

MANUFACTURERS' IDENTIFICATION SYMBOLS

Listed below are symbols of the various manufacturers as they appear in the Body of the book. These symbols are prefixed to the part numbers of the original manufacturer of parts other than Fisher.

AC	AC Spark Plug Division (General Motors Corporation)
BMD	Buick Motor Division (General Motors Corporation)
BN	The Bantam Bearing Corporation
CCL	Corbin Cabinet Lock Company
CM	The Chicago Rawhide Manufacturing Company
CV	Chevrolet Motor Division (General Motors Corporation)
DDE	Detroit Diesel Engine Division (General Motors Corporation)
DM	H. A. Douglas Manufacturing Company
DN	Donaldson Company, Inc.
DR	Delco-Remy Division (General Motors Corporation)
GL	Guide Lamp Corporation
GM	General Motors Corporation
HR	Harrison Radiator Corporation
HY	Hyatt Bearings Division (General Motors Corporation)
IB	The Imperial Brass Manufacturing Company
IMD	Inland Manufacturing Division (General Motors Corporation)
MCR	Micro Switch Corporation
MRC	Marlin-Rockwell Corporation
ND	New Departure Manufacturing Company
NMB	National Motor Bearing Company
PC	Packard Electric Division (General Motors Corporation)
SH	Shurhit Products Company
SKF	SKF Industries, Inc.
SP	Spicer Manufacturing Company
STP	Standard Products Company
SW	Stewart-Warner Corporation
TD	Timken-Detroit Axle Company
TIM	Timken Roller Bearing Company
VG	Victor Manufacturing & Gasket Company
WH	Weatherhead Company
WIL	Wilcox-Rich (Div. of Eaton Mfg. Co.)
WK	W. A. Kidde & Company
WL	The S. K. Wellman Company
YT	Yellow Truck & Coach Division (General Motors Corporation)

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LIST OF ABBREVIATIONS

ass'y	assembly	mach.	machine
anld.	annealed	mach-screw	machine screw
alloy-S.	alloy steel	med.	medium
approx.	approximately	M. I.	malleable iron
b-hd.	button head	min.	minimum
brght.	bright	mm.	millimeter
br.	brass	NC	National Coarse
bz.	bronze	NF	National Fine
cad.	cadmium	NS	National Form Special
cal.	caliber	NPT	National Pipe Thread
ck.	countersunk	Ni.	nickel
cont.	continued	No.	number
cp.	candle power	O.D.	outside diameter
dld.	drilled	pltd.	plated
diam.	diameter	pt.	point
elec.	electrical	R.H.	right hand
fil.	fillister	reg.	regular
fil-hd.	fillister head	rd.	round
fl.	flat	rds.	rounds
fl-hd.	flat head	req.	required
f/	for	Rt.	right
f/c pin	for cotter pin	SAE	Society of Automotive Engineers
f/lkg.	for locking	std.	standard
gr.	grade	S.	steel
hd.	head	sq.	square
hdls.	headless	s-fin.	semi-finished
hex.	hexagon	stght.	straight
hex-hd.	hexagonal head	syc.	sycamore
hv.	heavy	syn.	synthetic
I.D.	inside diameter	thd.	thread
in.	inch	thk.	thick
incand.	incandescent	T.	teeth
lgh.	length	unfin.	unfinished
lgt.	light	spec.	specification
lkg.	locking	V.	volts
LA engine	left engine	w/	with
LC engine	right engine	w/o	without
L.H.	left hand	zn.	zinc

STANDARDIZED GOVERNMENT GROUPING

01 ENGINE GROUP

- 0100 Engine Assembly.
- 0101 Crankcase and Cylinder Block.
- 0101A Cylinder Head.
- 0102 Crankshaft.
- 0102A Crankshaft Bearings.
- 0102B Balancer.
- 0103 Pistons.
- 0103A Rings.
- 0103B Piston Pins.
- 0104 Connecting Rods.
- 0104A Connecting Rod Bearings.
- 0105 Valves Seats Guides and Springs.
- 0105B Lifts Rocker Arms and Shafts.
- 0106 Camshaft and Balancer Shaft.
- 0106A Camshaft and Balancer Shaft Bearings.
- 0107 Oil Pumps.
- 0107A Oil Pan.
- 0107B Oil Cooler.
- 0107D Oil Tanks.
- 0107E Oil Filter.
- 0107F Oil Filler.
- 0107G Level and or Float Gauges.
- 0107I Oil Distributor System.
- 0107J Oil Pressure Regulator.
- 0108A Intake Manifolds.
- 0108B Exhaust Manifolds.
- 0109 Flywheel.
- 0109B Ring Gear.
- 0109C Flywheel Housing.
- 0110 Mountings.
- 0111 Lift Hooks and Brackets.
- 0112 Engine Cross Drive (engine transfer gears, propeller shafts).
- 0113 Blower.
- 0113A Gear Train.

02 CLUTCH GROUP

- 0201 Clutch Disc.
- 0202 Cover Plate, Pressure Plate, and Springs.
- 0203 Release Yoke, Bearing Fork.
- 0205 Clutch Pilot Bearing.
- 0207 Housing.

03 FUEL SYSTEM GROUP

- 0300 Fuel Tanks.
- 0300A Tank Gage Unit.
- 0301B Air Cleaner.
- 0302 Fuel Pump.
- 0304 Fuel Lines.
- 0304B Fuel Manifolds and Lines—Diesel.

03 FUEL SYSTEM GROUP (Continued)

- 0305 Governor.
- 0306 Fuel Filters.
- 0307 Injector.
- 0308 Air Heater.
- 0308A Pumps and Primers.

04 EXHAUST GROUP

- 0401 Muffler.
- 0402 Exhaust Pipe.

05 COOLING GROUP

- 0501 Radiator.
- 0501C Tank, Expansion Tank Filler.
- 0502 Thermostat.
- 0503 Water Pump.
- 0503A Fans.
- 0503C Fan Drive Gears.
- 0503D Fan Shroud.
- 0504 Radiator Mountings.
- 0505 Engine Water Fittings and Hose.

06 ELECTRICAL GROUP

- 0601 Generator.
- 0601B Generator Regulator.
- 0602 Cranking Motor.
- 0605 Instruments.
- 0605A Carrier.
- 0605B Instrument Wiring.
- 0606A Master Switches.
- 0606C Hull Wiring.
- 0606D Circuit Breakers.
- 0606E Terminal Boxes.
- 0607 Head Lights.
- 0608 Tail Lights.
- 0608A Auxiliary Lights.
- 0609A Sirens.
- 0610 Battery.
- 0610A Battery Hangers.
- 0610B Starting Cables and Connections.

07 TRANSMISSION GROUP

- 0700 Transmission Assembly.
- 0701 Case.
- 0701A Covers, Caps, Gaskets, and Seals.
- 0703 Main Drive Pinion and Bearings.
- 0703A Input Shaft and Bearings.
- 0704A Output Shaft and Bearings.
- 0704B Gears.
- 0704C Countershaft and Reverse Idler Shaft.
- 0705 Speedometer Drive Gears.

STANDARDIZED GOVERNMENT GROUPING

07 TRANSMISSION GROUP (Continued)

- 0706A Gear Shift Lever and Parts.
- 0706B Gear Shifter Rails and Parts.
- 0709 Transmission Oil Cooler.
- 0709A Transmission Oil Pump.
- 0711 Transmission Parking Brake.

09 PROPELLER SHAFT AND UNIVERSAL JOINT GROUP

- 0901 Propeller Shaft Assemblies.

10 FRONT AXLE AND/OR FINAL DRIVE GROUP

- 1001 Housing.
- 1002 Differential and Carrier Assembly.
- 1003 Differential Gears Pinion and Bearings.
- 1003A Differential Oil Pump.
- 1008 Final Drive Assembly.
- 1008A Final Drive Housings Covers and Gaskets.
- 1008C Gears, Bearings and Shafts.
- 1009 Steering Brake Equipment, Tanks Tractor.

13 WHEELS HUBS AND DRUM GROUP AND/OR TRACK SUSPENSION GROUP

- 1301 Wheel Assembly.
- 1303 Bogie Assembly.
- 1304 Track Idler.
- 1305 Tracks.
- 1306 Track Supporting Rollers.
- 1307 Sprockets.

15 FRAME AND BRACKETS GROUP

- 1501 Towing Attachment.
- 1502 Pintle Hooks.

15A CONTROL GROUP

- 15A1 Steering Brake Control.
- 15C1 Accelerator and Throttle Control.
- 15D1 Clutch Controls.

17 HOOD, FENDERS, RUNNING BOARDS, APRONS, MISCELLANEOUS SHEET METAL GROUP

- 1701 Fenders and/or Sand Guards.

18 BODY AND/OR HULL GROUP

- 1801A Hull Mounting Parts.
- 1803C Drain Valve.
- 1804 Seats.
- 1805 Door Assemblies.
- 1805A Door Hinges and Parts.
- 1816 Periscope and Mountings.
- 1817B Racks and Boxes.
- 1818 Ammunition Racks and Boxes.

19 TURRET GROUP

- 1900 Turret.
- 1901 Platform or Basket, Turret Seats.
- 1903 Traversing Control and Mechanism.
- 1905A Sighting Devices.

22 MISCELLANEOUS BODY CHASSIS AND ACCESSORIES GROUP

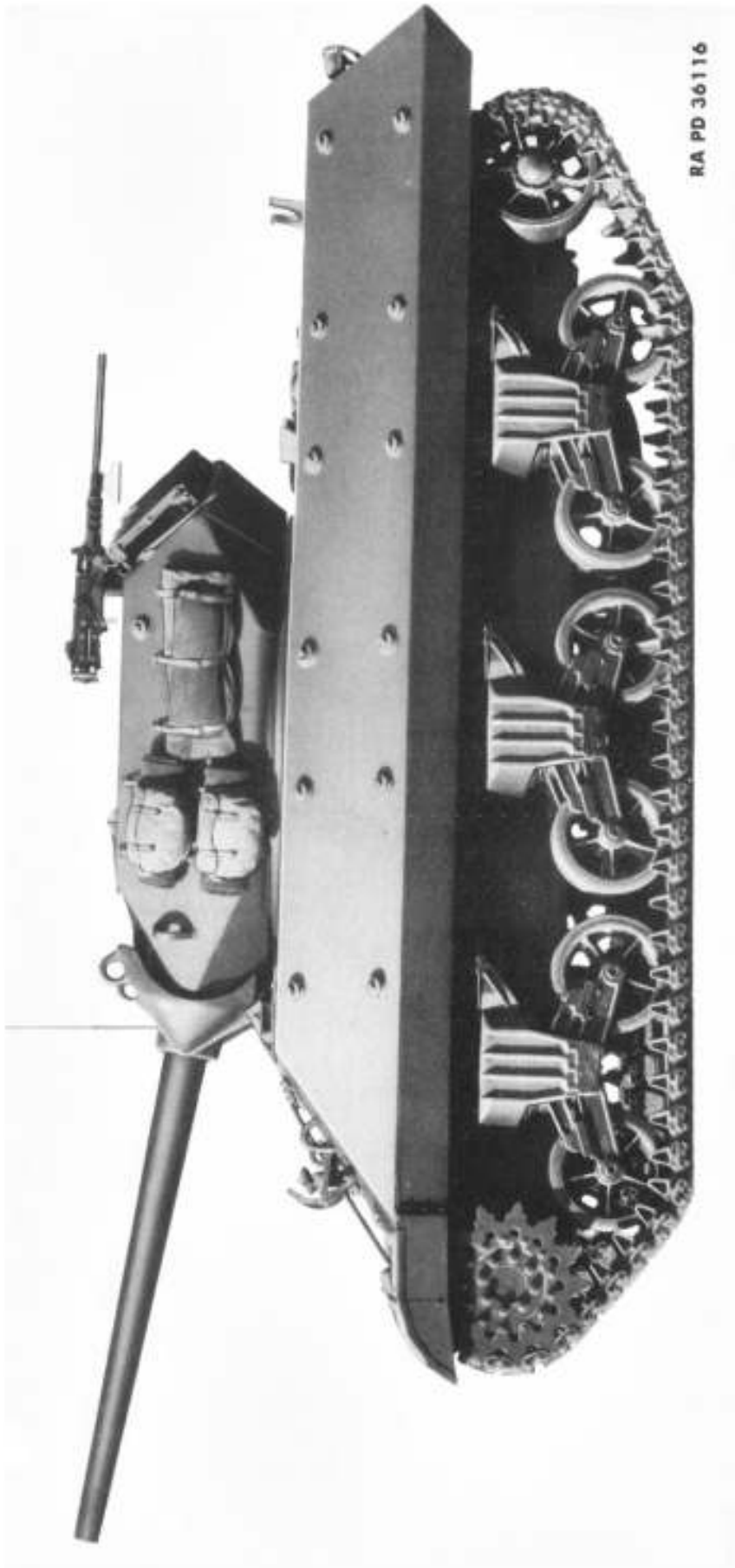
- 2204 Speedometers and Parts Odometer.
- 2205 Tachometer Assembly Parts.

24 FIRE EXTINGUISHER SYSTEM

- 2401 Stationary System and Parts.
- 2402 Portable System and Parts.

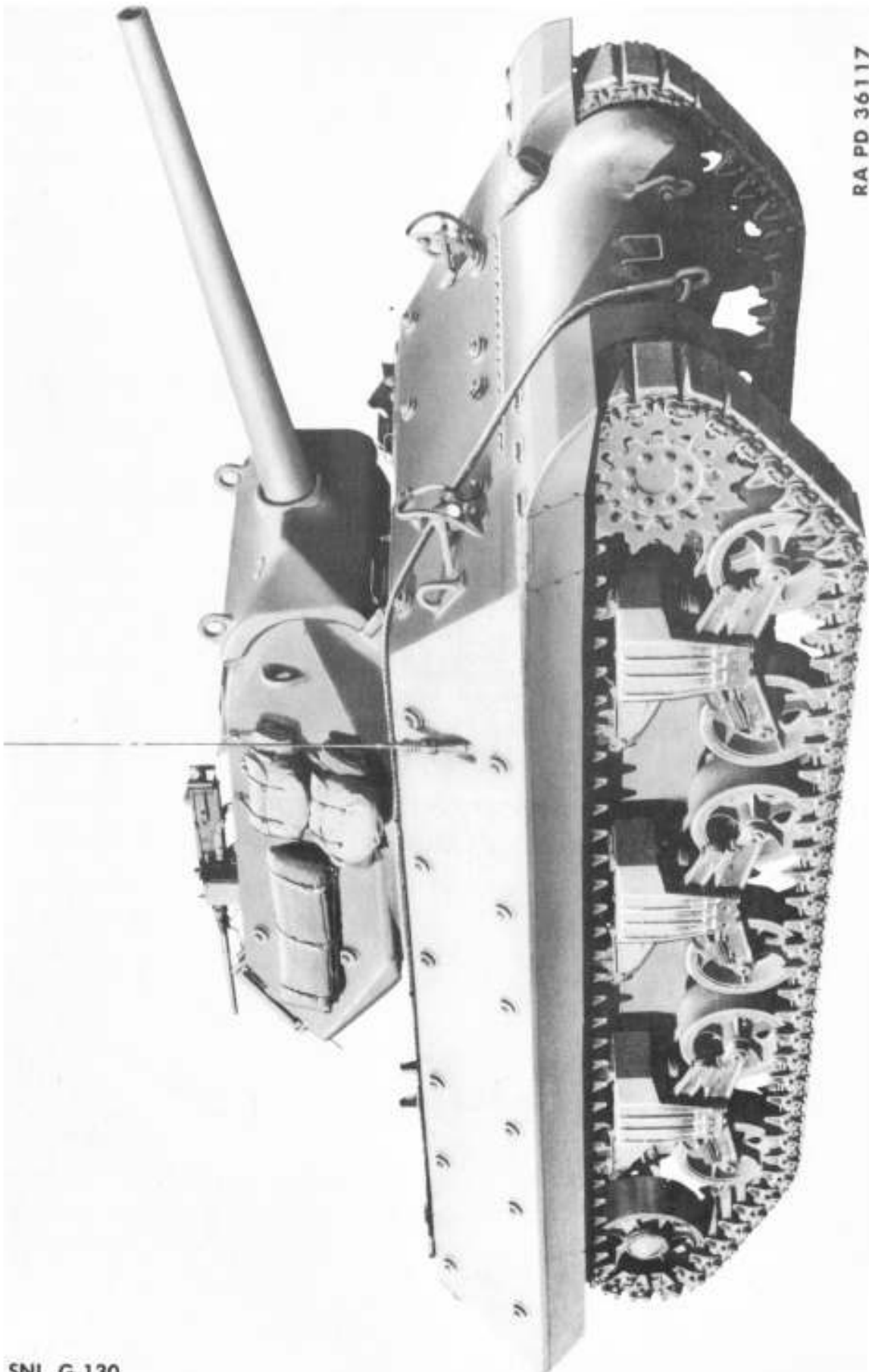
26 RADIO AND INTERNAL COMMUNICATING SYSTEM GROUP

- 2601 Radio and Parts.



**FIGURE A-3-INCH GUN MOTOR CARRIAGE M10, LEFT SIDE VIEW, WITH
CAL. .50 ANTI-AIRCRAFT GUN MOUNTED**

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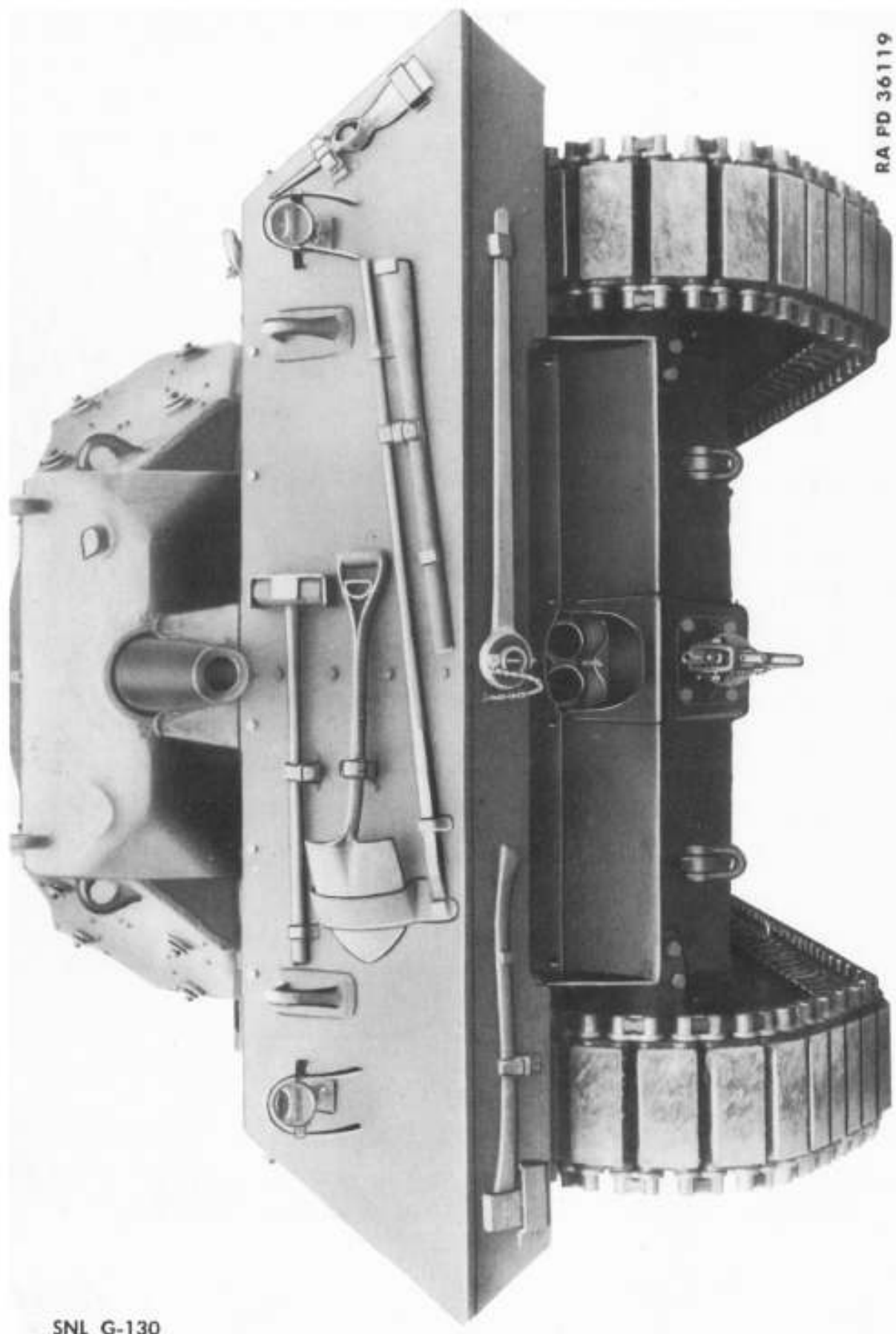
FIGURE B - 3-INCH GUN MOTOR CARRIAGE M10, RIGHT FRONT VIEW, WITH CAL. .50 ANTI-AIRCRAFT GUN MOUNTED



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FIGURE C-3-INCH GUN MOTOR CARRIAGE M10, FRONT VIEW

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FIGURE D-3-INCH GUN MOTOR CARRIAGE M10, REAR VIEW

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