

© PAPERPRINTS 2010
RESTRICTED

ARMY SERVICE FORCES CATALOG

ORD 9 SNL G-136

LIST OF ALL SERVICE PARTS
Includes
ORD 9 SNL G-176

ORDNANCE SUPPLY CATALOG

Group G

Technical Reference TM 9-743
TM 9-1743
TM 9-1832A

LIST OF ALL SERVICE PARTS

for

CAR, ARMORED, LIGHT, M8 (G-136)

CAR, ARMORED, UTILITY, M20 (G-176)

Supersedes Ord 9 portion of Ord 7-8-9 SNL G-136 and G-176, 25 January 1944, and Ord 9 portion of Changes No. 3, 27 April 1944, Changes No. 5, 10 November 1944, Changes No. 6, 15 February 1945 and Changes No. 7, 18 April 1945.

RESTRICTED—DISSEMINATION OF RESTRICTED MATTER—No person is entitled solely by virtue of his grade or position to knowledge or possession of classified matter. Such matter is entrusted only to those individuals whose official duties require such knowledge or possession. (See also paragraph 23b, AR380-5, 15 March 1944.)

Headquarters, Army Service Forces, 1 August 1945

RESTRICTED

Headquarters, Army Service Forces

Washington 25, D. C., 1 August 1945

Army Service Forces Ordnance Supply Catalog, ORD 9, SNL G-136, includes ORD 9, G-176, 1 August 1945, has been prepared under the supervision of the Chief of Ordnance and is published for the information and guidance of all concerned.

[SPX 461 (1 July 45)]

BY COMMAND OF GENERAL SOMERVELL:

Official:

EDWARD F. WITSELL

Major General

Acting The Adjutant General

LeR. LUTES

Lieutenant General, GSC

Chief of Staff

DISTRIBUTION: AAF (10); AGF (10); ASF (2); T of Opn (10); Arm & Sv Bd (1); S Div ASF (1); Tech Sv (2); Sv C (10); PC&S (1) except Air Bases (0); PE (5); Dist O 9 (5); Dist Br O 9 (3); Reg O 9 (3); Establishment 9 (except Am Establishments) (3); Decentralized Sub-O 9 (1); Tk Dep 9 (5); Gen & Sp Sv Sch (10); A (10); CHQ (10); D (1); R 9 (1); Bn 9 (1); C 9 (1).

For explanation of symbols see FM 21-6.

RESTRICTED**ARMY SERVICE FORCES CATALOG** **ORD 9 SNL G-136**LIST OF ALL SERVICE PARTS
Includes
ORD 9 SNL G 176**RESTRICTED****ORDNANCE SUPPLY CATALOG****Group G****Technical Reference TM 9-1743
TM 9-1832A****LIST OF ALL SERVICE PARTS**

for

CAR, ARMORED, LIGHT, M8 (G-136)**CAR, ARMORED, UTILITY, M20 (G-176)****GENERAL INFORMATION**

This is a list of all items of Service for the Car, armored, light, M8 and Car, armored, utility, M20 arranged according to standardized government grouping. *WARNING: Many of the parts listed herein are not stocked for issue. See ORD 7 and 8 of the appropriate major combination SNL for those parts stocked for issue. In case parts not listed in ORD 8 are needed, separate requisitions for these parts should be forwarded through normal supply channels with justification therefor.*

This list of all service parts is to be used for identification 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 that are items of service are listed alphabetically within the appropriate groups with the number of each particular part required per unit assembly.

RESTRICTED**QUICK
REFERENCE
INDEX****GENERAL INFORMATION**ORD 9
LIST OF ALL
SERVICE PARTS**01 ENGINE****02 CLUTCH****03 FUEL SYSTEM****04 EXHAUST SYSTEM****05 COOLING SYSTEM****06 ELECTRICAL****07 TRANSMISSION****08 TRANSFER CASE****09 PROPELLER SHAFT****10 FRONT AXLE****11 REAR AND INTER-
MEDIATE AXLE****12 BRAKES****13 WHEELS, HUBS
AND DRUMS****14 STEERING****15 FRAME AND
BRACKETS****16 SPRING AND
SHOCK ABSORBERS****17 FENDERS AND
SHEET METAL PARTS****18 HULL****19 TURRET****22 ACCESSORIES****PARTS FOR ARMAMENT,
SIGHTING AND FIRE
CONTROL EQUIPMENT****NOTES****INDEXES**

GENERAL INFORMATION (Cont'd)

For full information relative to the Ordnance Supply Catalog, the procedure followed and the principles employed in their compilation, together with the purposes and use thereof, see ORD 1, Introduction; ORD 2, Index; and the (OPSR) Ordnance Provision System Regulations.

FEDERAL STOCK NUMBERS: Classifications Codes for Federal Stock Numbers listed herein will be found in ORD 5-2 "Stock List".

NOTE SYMBOL: This column is used to carry reference symbols to notes which are listed in an SNL under the heading "Notes". Note symbols may be of letter, W; of symbol % or nine; or of SNL Number, G-502, type. Items symbolized by an SNL number are not necessarily so stored, issued, requisitioned and reviewed. The SNL number symbol indicates where further usage of the item may be found. Where numbers without an SNL prefix occur as the stock number, the SNL number in the note symbol column indicates the SNL where the item is stored, issued, requisitioned and reviewed.

SPECIAL INFORMATION

MAJOR ITEM DESIGNATION: The major item covered by this pamphlet is designated as a combat vehicle as defined in paragraph 3, AR 850-15, dated 28 August 1943.

ORDNANCE OR MANUFACTURER PART NUMBER AND ORDNANCE OR MANUFACTURER DRAWING NUMBER: In columns 4 and 5 manufacturers' numbers will always appear in parentheses. When more than one number applies to the same part, all except the first will be indented.

COMPONENTS OF KITS, SETS AND ASSEMBLIES: Whenever any doubt might exist as to the components of an assembly, an explanatory statement or a complete listing of components is furnished. For all KITS and SETS a complete listing of components is given. Wherever separate items are shown which are also part of a KIT or SET that fact is stated following the nomenclature of the separate item.

ATTACHING PARTS: Attaching parts such as bolts, nuts, rivets, screws and washers are indented immediately under the part or assembly which they attach. Whenever two similar items, such as right and left cylinder heads, optional generators, two fuel tanks, superseding spring assemblies, etc., have the same attaching parts, the attaching parts are listed only after the last of the similar parts. The quantities shown for the attaching parts are for both right and left cylinder heads, or only one of the optional generators, etc.

ILLUSTRATIONS: This pamphlet 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 is given. An index of illustrations by number, title and page is included with other indexes at the back of the book.

INDEXES: Complete indexes, alphabetical and numerical, are furnished at the back of the pamphlet. These indexes and contents are explained in brief paragraphs at the beginning of each index.

STOCK NUMBERS: The prefix of the SNL type stock number (i.e. G067, G502, etc.) signifies that the particular part or component was originally coded under the major item designation for the SNL and does NOT mean that the part is used only in that major item. All subsequent lists which include that same part will show the identical stock number.

SPECIAL INFORMATION (Cont'd)

PUBLICATIONS PERTAINING TO THIS VEHICLE:

Operator's Manual	TM9-743
Maintenance Manual	TM9-1743
	TM9-1832A

INTERCHANGEABILITY OF COMPONENTS: Many parts and assemblies used on these vehicles are interchangeable with those on other Ordnance vehicles. Wherever possible, the manufacturer's number has been shown to assist in this interchange of parts. In addition, we list below some of the vehicles using assemblies similar to those on subject vehicle. In most cases the assemblies are not entirely interchangeable, but many details are:

ENGINE (Hercules JXD): CAR, ARMORED, T-17 (SNL G-134); Car, Scout, M3A1 (SNL G-67); Autocar U 2044; Diamond T-614 and 614 HD; Federal 2G 4 x 2 and Studebaker US6 and US 6 x 4.

GENERATOR and GENERATOR REGULATOR: Tank, Medium M4A3; Carrier, Universal, T-16.

AXLES: Half Track (White).

PILLOW BLOCK: Studebaker and GMC 2½-ton 6 x 6.

PINTLE HOOK: Tank, Medium M4.

In addition to those listed above, the following parts are interchangeable with corresponding parts on many vehicles and are best compared by their manufacturer's numbers: Universal Joints, Hydraulic Cylinders, Primer Pump, Headlights and Taillight, Fuel Pump and Fuel Filter.

IDENTIFICATION PLATES FOR VEHICLE AND PRINCIPAL COMPONENTS: Serial numbers of the vehicle and major assemblies may be found in the following locations:

Manufacturer's and Ordnance serial numbers of the vehicle may be found on the nomenclature plate located on the plate between driver's and assistant driver's door.

The engine serial number is located on a plate on the lower left side of the cylinder block, to the rear of the fuel pump.

Generator and voltage regulator serial numbers appear on the name plates of these assemblies. In these two cases, the serial number also indicates the date the part was manufactured, in the following manner: The serial number contains the letters X, Y, or Z; this indicates the year, "X" representing 1943, "Y" 1944, etc. The number preceding this letter represents the month, January being 1, June 6, etc.; for example, the serial number 7X1478 indicates the part was manufactured in July, 1943.

The serial number of the gun mount on the M-8 is stamped on the nomenclature plate on the left side of the mount, near the gunner's face.

DEFINITION OF LOCATIONAL TERMS: The words "left," "right," "front" and "rear," when used in this pamphlet are as these directions would appear from the driver's seat facing forward. Since the engine is mounted in the rear of the vehicle and drives forward to the transfer case, the flywheel end of the engine is the front end, while the timing gears are at the rear of the engine. Similarly, the main drive gear is at the rear of the transmission, while the output flange is at the front. For the same reason, the generator is on the right side of the engine, while the fuel pump is on the left.

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:

SPECIAL INFORMATION (Cont'd)

If the nomenclature (basic name) only is known, refer to the alphabetical index in the back of the book. This index will give the subgroup in which the part is listed. As the part names are arranged in alphabetical order within the subgroups, the complete listing of the part can readily be found.

If any one of the numbers—Ordnance, manufacturers' or stock—is known, refer to the appropriate numerical index in the back of the book. This index will give the subgroup number in which the part is listed. By checking in the appropriate number column in that subgroup, the complete listing of the part can readily be found.

If the use, function or location, of the part is known, refer to the illustration index to determine on which the part in question is most likely to appear. Then turn to the proper illustration and pick the proper part from which reference to the proper nomenclature, part and stock number, etc. can be determined. Also reference to the standardized government grouping immediately following this explanation will be of help in selecting parts upon a functional basis.

Notice of discrepancies or suggested changes should be directed to Office Chief of Ordnance-Detroit, Maintenance Division, Military Publications Branch, SPOMM-BM, Detroit 32, Michigan.

MANUFACTURERS' IDENTIFICATION SYMBOLS

Listed below are the symbols used as prefixes to the manufacturers' part and drawing numbers appearing in this book. The symbol indicates the manufacturer whose part number is used for each item.

Symbol	Manufacturer	Address
AB	Aetna Ball Bearing Mfg. Co.	4600 Schubert Ave., Chicago 39, Ill.
AC	AC Spark Plug Division (GMC)	1300 N. Dort Hgywy., Flint 2, Mich.
AD	Alemite Div. (Stewart-Warner Corp.)	1826 Diversey Pkwy., Chicago 14, Ill.
AL	Electric Auto-Lite Co. (The)	Main P.O. Box 931, Toledo 1, O.
AMC	American Stamping Co.	310 E. Burnham St., Battle Creek, Mich.
BW	Budd Wheel Co.	12141 Charlevoix Ave., Detroit 14, Mich.
BX	Bendix Products Div. (Bendix Aviation Corp.)	401 Bendix Drive, South Bend 20, Ind.
CM	Chicago Rawhide Mfg. Co.	1303 Elston Ave., Chicago 22, Ill.
CP	Champion Spark Plug Co.	900 Upton Ave., Toledo 1, O.
CS	Culver-Stearns Mfg. Co.	53 Crafton St., Worcester 8, Mass.
DLM	Dill Mfg. Co.	700 E. 82nd St., Cleveland 8, O.
DM	Douglas Mfg. Co., H. A.	Bronson, Mich.
DN	Donaldson Co., Inc.	666 Pelham St., St. Paul 4, Minn.
DV	Dole Valve Co. (The)	1901 Carroll Ave., Chicago 12, Ill.
ECM	Eclipse Machine Div. (Bendix Aviation Corp.)	Elmira, N.Y.
FAF	Fafnir Bearing Co. (The)	Booth St., New Britain, Conn.
FB	Federal Bearing Co., Inc.	Poughkeepsie, N.Y.
FE	Federal Electric Co.	8700 S. State St., Chicago, Ill.
FM	Ford Motor Co.	3000 Schaefer Rd., Dearborn, Mich.
FR	Fram Corp.	55 Pawtucket Ave., Providence 16, R.I.
FSP	Firestone Steel Products Co. (The)	Firestone Pkwy., Akron 1, O.
GEM	Gemmer Mfg. Co.	6400 Mt. Elliot St., Detroit 11, Mich.
HC	Cole-Hersee Co.	54 Old Colony Ave., S. Boston 27, Mass.
HM	Hercules Motors Corp.	201, 11th S.E., Canton 2, O.
HOL	Holley Carburetor Co.	5930 Vancouver Ave., Detroit 4, Mich.
HUL	Hull Mfg. Co.	P.O. Box 246, Warren, O.
HY	Hyatt Bearings Div. (GMC)	P.O. Box 71, Harrison, N.J.
IWC	Industrial Wire Cloth Products Corp.	29274 Brush St., Wayne, Mich.
KHW	Kelsey Hayes Wheel Co.	3600 Military Ave., Detroit 32, Mich.
KS	King Seeley Corp.	316 S. 1st St., Ann Arbor, Mich.
LMD	Long Mfg. Div. (Borg-Warner Corp.)	12501 Dequindre, Detroit 12, Mich.
LO	Wagner Electric Corp.	6400 Plymouth Ave., St. Louis 14, Mo.
MRC	Marlin-Rockwell Corp.	402 Chandler St., Jamestown 55, N.Y.
ND	New Departure Div. (GMC)	Bristol, Conn.

MANUFACTURERS' IDENTIFICATION SYMBOLS (Cont'd)

Symbol	Manufacturer	Address
NMB	National Motor Bearing Co., Inc.....	P.O. Box 1030, Redwood City, Calif.
NP	New Process Gear, Inc.....	500 Plum St., Syracuse 1, N.Y.
RBM	R.B.M. Manufacturing Co.....	1601 Wall St., Fort Wayne 6, Ind.
SC	Signal Corps.....	
SK	Shakeproof Lock Washer Co.....	2501 N. Keeler Ave., Chicago 39, Ill.
SP	Spiecer Mfg. Corp.....	4100 Bennet Rd., Toledo 1, O.
SPR	Sprague Specialties Co.....	Bever St., North Adams, Mass.
SW	Stewart-Warner Corp.....	1828 Diversey Pkwy., Chicago 14, Ill.
SX	Seeburg Corp., J. P.....	1510 Dayton St., Chicago 22, Ill.
SZ	Schwitzer Cummins Co.....	1125 Massachusetts Ave., Indianapolis, Ind.
TC	Twin Disc Clutch Co.....	1328 Racine St., Racine, Wis.
TD	Timken-Detroit Axle Co.....	100-400 Clark Ave., Detroit 32, Mich.
TIM	Timken Roller Bearing Co. (The).....	1935 Kelley Ave., Canton, O.
TP	Thompson Products, Inc.....	2196 Clarkwood Rd., Cleveland 3, O.
TR	Torrington Co. (The).....	59 Field St., Torrington, Conn.
UC	United Car Fastener Corp.....	31 Ames St., Cambridge 42, Mass.
UTS	United Specialties Co.....	9705 S. Cottage Grove Ave., Chicago 28, Ill.
WG	Warner Gear Div. (Borg-Warner Corp.).....	1108 E. Seymour St., Muncie, Ind.
WH	Weatherhead Co. (The).....	300 E. 131 St., Cleveland 8, O.
WX	Western Mfg. Co.....	3428 Scotten Ave., Detroit 10, Mich.
Z	Zenith Carburetor Div. (Bendix Aviation Corp.).....	696 Hart Ave., Detroit 14, Mich.

LIST OF ABBREVIATIONS

The following is a list of the standard abbreviations appearing in this catalog.

alloy-S	alloy steel	mm.	millimeter
Am. pipe	American pipe	m-screw	machine screw
amp.	ampere	mtg.	mounting
A.R.	as required	NC	National Coarse
bab.	babbitt	NF	National Fine
b-hd.	button head	NEF	National Extra Fine
brght	bright	NP	National Pipe
br.	brass	NS	National Form Special
bz.	bronze	NPT	National Pipe Thread
cd.	cadmium	ni.	nickel
chr.	chrome	No.	number
ck.	countersunk	oz.	ounce
contd.	continued	OD	outside diameter
cp.	candle-power	pl.	plain
c-pin	cotter pin	pltd.	plated
dld.	drilled	pt.	point
diam.	diameter	RH	right hand
fil.	fillister	reg.	regular
fil-hd.	fillister-head	rd.	round
fl.	flat	rd-hd.	round-head
ft.	foot	rds.	rounds
f/	for	req.	required
f/lkg.	for locking	SAE	Society of Automotive Engineers
glvd.	galvanized	std.	standard
hdls.	headless	S.	steel
hd.	head	sq.	square
hex.	hexagon	s-fin.	semi-finished
hex-hd.	hexagonal head	stght.	straight
hv.	heavy	thd.	thread
ID	inside diameter	thk.	thick
in.	inch	T.	teeth
lgh.	length	unfin.	unfinished
lgt.	light	USF	United States Fine
lkg.	locking	USS	United States Standard
lb.	pound	spec.	specification
LH	left hand	w/	with
mach.	machine	w/o	without
mfd.	microfarad	zn.	zinc
M.I.	malleable iron		

STANDARDIZED GOVERNMENT GROUPING

The parts listed in this pamphlet are arranged by groups and subgroups and alphabetically within these groups. Parts are grouped primarily on the basis of their function. This arrangement facilitates location and selection of parts. See "How To Find Parts" immediately preceding.

01 ENGINE ASSEMBLY

- 0100 Engine Assembly
- 0101 Engine Block, and Cylinder Head
- 0102 Engine Crankshaft and Bearings
- 0103 Flywheel
- 0104 Pistons, Piston Rings, Piston Pins, Connecting Rods, Connecting Rod Bearings
- 0105.1 Valves, Valve Springs, Valve Guides
- 0105.2 Valve Lifters, Valve Lifter Guides
- 0105.3 Camshaft, Camshaft Bearings
- 0105.5 Timing Gears
- 0106.1 Engine Oil Pump and Relief Valve
- 0106.2 Engine Oil Filter
- 0106.5 Engine Oil Filler Crankcase Ventilator
- 0106.6 Engine Oil Pan, Engine Oil Gage and Pressure Sending Unit
- 0108 Engine Manifold

- 0604.1 Ignition Distributor
- 0605 Ignition Coil, Spark Plugs, Ignition Switch, Ignition Wiring
- 0607 Instrument Panel, Instruments, Gages, Lights Lamps and Instrument Wiring
- 0608 Switches, Terminals, Junction Boxes, Circuit Breaker
- 0609.1 Head, Tail and Marker Lights, Lamps, Lamp Units
- 0609.2 Auxiliary Lights
- 0611 Siren and Switches
- 0612 Battery, Battery Cables
- 0613.1 Hull and Chassis Wiring

02 CLUTCH

- 0200 Clutch Assembly
- 0201 Engine Clutch, Disc, Pressure Plate and Bearing
- 0202 Engine Clutch Linkage
- 0203 Engine Hydraulic Clutch Control

07 TRANSMISSION

- 0700 Transmission Assembly
- 0702.1 Transmission Main Drive Gear, Bearings, Spacers
- 0702.2 Transmission Main Shaft, Gears, Bearings, Spacers
- 0702.3 Transmission Countershaft, Reverse Idler, Gears, Bearings, Spacers
- 0704 Transmission, Shifter Controls
- 0706.1 Transmission Oil Pump

03 FUEL SYSTEM

- 0301 Engine Carburetor
- 0302 Engine Fuel Pump
- 0304 Engine Air Cleaner
- 0306 Engine Fuel Tank
- 0309 Engine Fuel Filter
- 0311 Engine Fuel Primer
- 0312 Engine Carburetor Hydraulic Throttle Control and Engine Carburetor Automatic Choke

08 TRANSFER CASE

- 0800 Transmission Transfer Assembly
- 0801 Transmission Transfer Case, Covers, Gaskets, Seals, Caps and Retainers
- 0802.1 Transmission Transfer Case, Input or Drive Shaft, Gears, Bearings, Spacers
- 0802.2 Transmission Transfer Case, Idler Shafts, Gears, Bearings, and Spacers
- 0802.3 Transmission Transfer Case, Output, Main or Drive Shaft, Gears, Bearings, and Spacers
- 0804 Transmission Transfer Case, Gearshift Levers, Rails, Rods, Yokes and Forks

04 EXHAUST SYSTEM

- 0401 Engine Exhaust Muffler

05 COOLING SYSTEM

- 0501 Radiator
- 0502 Radiator Mountings
- 0503 Radiator Fittings
- 0504 Engine Water Pump
- 0505 Engine Fan Drive, Belts, Pulleys

09 PROPELLER SHAFTS

- 0900 Propeller Shaft and Universal Joint, Assembly and Parts, Includes Carrier and Pillow Blocks

06 ELECTRICAL

- 0601 Generator
- 0602 Regulator, Generator Assembly
- 0603 Engine Cranking Motor

10 FRONT AXLE

- 1000 Front Axle, Assembly
- 1001 Front Axle Housing, Plugs and Gaskets
- 1002 Front Axle, Gears, Shafts and Bearings
- 1004 Front Axle Steering Knuckles
- 1006 Front Axle, Universal Joint, Shaft and Flange