

ARMY SERVICE FORCES CATALOG

ORD 9 SNL G-501
L.O.A.S.P.

ORDNANCE SUPPLY CATALOG

Group G

Technical Reference TM 9-802

Standard Nomenclature List No. G-501

List of All Service Parts

for

TRUCK, 2¹/₂-TON, 6 x 6, AMPHIBIAN

(GMC Model DUKW-353)

(Supersedes Ord 9 (Service Parts Catalog) portion of Ord 7-8-9 SNL G-501, dated 1 October 1944, and that part of Changes No. 2 dated 18 March 1945 that applies to the Ord 9 portion.)

HEADQUARTERS, ARMY SERVICE FORCES, 1 JUNE 1945

Headquarters, Army Service Forces,

Washington 25, D. C., 1 June 1945

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By command of General SOMERVELL:

LeR. LUTES

Major General, General Staff Corps,
Chief of Staff.

OFFICIAL:

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Major General,
The Adjutant General.

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Refer to FM 21-6 for explanation of distribution formula.

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GENERAL INFORMATION—This is a list of all items of Service for the Truck, 2½-Ton, 6 x 6, Amphibian 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 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.

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

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SPECIAL INFORMATION

MAJOR ITEMS DESIGNATION—The major item covered by this catalog is designated as a special purpose combat vehicle as defined in paragraph 3, AR 850-15, dated 28 August 1943.

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

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 wheels, optional carburetor, two fuel tanks, superseding spring assemblies, etc., have the same attaching parts, these 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 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 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 book. 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. G-067, G-502, H-001, etc.) 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 lists which include that same part will show the identical stock number.

DEFINITION OF LOCATIONAL TERMS—The location of some items is indicated by “Left” or “right.” “Left” means that the item is to the left of a similar item designated “Right” as one looks toward the front of the vehicle from the rear. The term “Front” means that the item to the front of a similar item designated “Rear.”

PUBLICATIONS PERTAINING TO THIS VEHICLE—

- TM 9-802—DUKW-353 Operators' Manual.
- TM 9-1802A—DUKW-353 Power Plant.
- TM 9-1802B—DUKW-353 Power Train.
- TM 9-1802C—DUKW-353 Water Drive and Hull.

IDENTIFICATION PLATES FOR VEHICLE AND PRINCIPAL COMPONENTS—

Due to engineering changes made during production of a vehicle, it is necessary to look up the serial number of a vehicle engine to find out which replacement parts shown in the book apply to it.

The chassis serial number is shown on a plate located inside the hull on the dash and is also stamped on the R.H. frame side member between the rear axles. The engine serial number is shown on the plate attached to the left side of engine crankcase and is stamped on the right side of the engine crankcase near the distributor.

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:

If the nomenclature (basic name) only is known, refer to the alphabetical index in the back of the book. This index will give the sub-group in which the part is listed. As the part names are arranged in alphabetical order within the sub-groups, 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 sub-group number in which the part is listed. By checking in the appropriate number column in that sub-group, the complete listing of the part can readily be found.

If the use, or function or location, or the part 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.

STANDARDIZED GOVERNMENT GROUPING

The parts listed in this catalog are arranged by groups and sub-groups 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 GROUP

- 0100 Engine Assembly
- 0101 Cylinder Block and Cylinder Head
- 0102 Crankshaft, Bearings and Balancer
- 0103 Flywheel, Ring Gear and Housing
- 0104 Pistons, Rings, Pins, Connecting Rods and Bearings
- 0105.1 Valves, Seats, Guides and Springs
- 0105.2 Push Rods, Rocker Arms and Shafts
- 0105.3 Camshaft and Bearings
- 0105.5 Timing Gears and Cones
- 0106.1 Oil Pump and Relief Valve
- 0106.2 Oil Filter
- 0106.5 Oil Filter and Breather System
- 0106.6 Oil Pan, Oil Lines and Oil Level Indicator
- 0108 Manifolds and Heat Control

02—CLUTCH GROUP

- 0200 Clutch Housing
- 0201 Clutch Disc, Pressure Plate and Pilot Bearing
- 0202 Clutch Release Bearing, Fork, Pedal and Linkage

03—FUEL SYSTEM

- 0301.1 Carburetor (Die Cast Type)
- 0301.2 Carburetor (Cast-Iron Type)
- 0302.1 Fuel Pump (AC-1537714)
- 0302.2 Fuel Pump (AC-1538616)
- 0304 Air Cleaner
- 0306 Fuel Tank, Gage and Lines
- 0308 Governor
- 0309 Fuel Filter
- 0312 Accelerator, Throttle and Choke Control

04—EXHAUST GROUP

- 0401 Muffler, Exhaust and Tail Pipes

05—COOLING GROUP

- 0501 Radiator Core and Filler Cap
- 0502 Fan Shroud and Baffles
- 0503 Water Fittings, Lines, Hoses and Thermostat
- 0504 Water Pump
- 0505 Fan and Fan Belt

06—ELECTRICAL GROUP

- 0601 Generator
- 0602.1 Generator Regulator—Delco Model 1118468
- 0602.2 Generator Regulator—Sealed Type
- 0603 Cranking Motor
- 0604.1 Distributor

- 0605 Ignition Coil, Shield, Wiring, Spark Plugs and Switch
- 0607 Instruments, Panel, Wiring and Light
- 0608 Light Switches, Circuit Breakers and Terminal Box
- 0609.1 Headlight, Taillight and Lamps
- 0609.2 Blackout Lights, Signal Light and Lamps
- 0611 Horn, Horn Button and Wiring
- 0612 Battery, Hanger and Cables
- 0613.1 Hull Wiring

07—TRANSMISSION GROUP

- 0700 Transmission Assembly
- 0701 Case, Cover, Caps, Gaskets and Seals
- 0702.1 Main Drive Pinion and Bearings
- 0702.2 Mainshaft, Gears and Bearings
- 0702.3 Countershaft, Reverse Idler Shaft and Gears
- 0704 Gear Shift Lever, Shift Rods and Forks

08—TRANSFER GROUP

- 0800 Transfer Assembly (Axle)
- 0801 Case, Cover, Caps, Gaskets, Seals and Retainer (Axle)
- 0802.1 Mainshaft, Gears and Bearings, (Axle)
- 0802.2 Idler Gear Shaft Bearings and Speedometer Gears (Axle)
- 0802.3 Drive Gear, Shaft and Bearings (Axle)
- 0804 Shift Lever, Rods and Forks (Axle)
- 0810 Transfer Assembly (Water Propeller)
- 0811 Case, Cover, Caps, Gaskets, Seals and Retainers (Water Propeller)
- 0812.1 Mainshaft, Gears and Bearings (Water Propeller)
- 0812.3 Countershaft, Gears and Bearings (Water Propeller)
- 0814.1 Shift Lever, Rods, Forks (Water Propeller (Prior to Chassis No. 2506
- 0814.2 Shift Lever, Rods, Forks (Water Propeller (Chassis No. 2506 and After)

09—PROPELLER SHAFTS GROUP

- 0900 Axle Propeller Shaft and Universal Joints
- 0901 Water Propeller, Drive Shaft and Universal Joints

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.

AAD	American Automatic Devices Co.	500 Throop St., Chicago, Ill.
AD	Alemite Division (Stewart-Warner Corp.)	1826 Diversey Pkwy., Chicago 14, Ill.
BH	Bohn Aluminum & Brass Corp.	3516 Hart Ave., Detroit, Mich.
BK	Bragg-Kliesrath Corp.	South Bend, Ind.
BM	Blood Bros. Machine Co.	1 Glass St., Allegan, Mich.
BW	Budd Wheel Co.	12141 Charlevoix, Detroit, Mich.
BWE	Bendix-Westinghouse Automatic Air Brake Co.	Elyria, Ohio
BX	Bendix Products Corp.	401 Bendix Dr., South Bend, Ind.
CE	Clark Equipment Co.	Buchanan, Mich.
CRT	Crescent Tool Co.	"Crestoloy," Jamestown, N. Y.
DST	Detroit Steel Products Co.	2250 E. Grand Blvd., Detroit, Mich.
FDM	Federal-Mogul Corp.	10000 Shoemaker Rd., Detroit, Mich.
FM	Ford Motor Co.	Dearborn, Mich.
GDP	Gould Pumps, Inc.	Seneca Falls, N. Y.
GM	General Motors Corp.	3044 W. Grand Blvd., Detroit 2, Mich.
GW	Gar Wood Industries, Inc.	7924 Riopelle St., Detroit, Mich.
HI	Hayes Industries, Inc.	Jackson, Mich.
HIG	Higgins Industries, Inc.	City Park Ave., New Orleans, La.
HLH	Holland Hitch Co.	Holland, Mich.
HR	Harrison Radiator Corp.	Washburn and Walnut Sts., Lockport, N. Y.
HUL	Hull Mfg. Co.	Warren, Ohio
HY	Hyatt Bearing Div. (General Motors Corp.)	P. O. Box 71, Harrison, N. J.
KM	Kent-Moore Organization	485 W. Milwaukee, Detroit, Mich.
KS	King-Seely Corp.	305 First St., Ann Arbor, Mich.
LAD	Leibing Automatic Devices Corp.	5725 Mt. Elliott, Detroit, Mich.
LM	Long Mfg. Co.	2768 E. Grand Blvd., Detroit, Mich.
LO	Wagner Electric Co.	6420 Plymouth Ave., St. Louis, Mo.
LU	Lunkenheimer Co.	Beekman & Waverly Aves., Cincinnati, Ohio
MO	Modine Mfg. Co.	Racine, Wis.
MRC	Marlin-Rockwell Corp.	Jamestown, N. Y.
MSP	Midland Steel Products Co.	Madison and W. 106th Sts., Cleveland, Ohio
MW	Motor Wheel Corp.	716 E. Saginaw St., Lansing, Mich.
MZ	"Mazda"-General Electric Co.	Schenectady, N. Y.
NCC	National Carbon Co., Inc.	19 E. 41st St., New York, N. Y.
ND	New Departure Mfg. Co.	1940 Hughes St., Bristol, Conn.
NM	Nelson Muffler Corp.	Staughton, Wis.
OB	Oberdorfer Brass Co.	Syracuse, N. Y.
OM	Oldberg Mfg. Co.	620 N. 7th St., Grand Haven, Mich.
PI	Pioneer Instrument Co.	Bendix, N. J.
PYR	Pyrene Mfg. Co.	540 Belmont Ave., Newark, N. Y.
SA	Stant Mfg. Co.	Connersville, Ind.
SBM	Saylor-Beall Mfg. Co.	1501 Philadelphia, Detroit, Mich.
SEPC	Sealed Power Corp.	510 Sanford St., Muskegon, Mich.
SLY	Stanley Works (The)	195 Lake St., New Britain, Conn.
SV	Schrader's Son, A.	470 Vanderbilt Ave., Brooklyn, N. Y.
SW	Stewart-Warner Corp.	1828 Diversey Pkwy., Chicago, Ill.
SZ	Schwitzer-Cummings Co.	1125 Massachusetts Ave., Indianapolis, Ind.
TIM	Timken Roller Bearing Co.	1935 Kelley Ave., Canton, Ohio
TR	Torrington Co.	Torrington, Conn.
TRI	Trico Products Co.	817 Washington St., Buffalo, N. Y.
UP	Universal Products Co.	6455 Kingsley, Dearborn, Mich.
WAK	Walker Mfg. Co.	Racine, Wis.
Z	Zenith Carburetor Div.	Hart Ave., Detroit, Mich.

LIST OF ABBREVIATIONS

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

al.	aluminum	hex-hd.	hexagonal-head
alloy-S.	alloy steel	I.D.	inner diameter
amp.	ampere	in.	inch
anld.	annealed	int.	internal
AR	as required	lb.	pound
assy.	assembly	lgh.	length
b-hd.	button-head	lgt.	light
bd-hd.	binding-head	lin-ft.	linear foot or feet
br.	brass	lkg.	locking
bz.	bronze	mach.	machine
c-pin	cotter pin	M.I.	malleable iron
cd.	cadmium	mm.	millimeter
C.E.	commutator end	mtg.	mounting
chamf.	chamfered	nc.	national coarse
chr.	chromium	nf.	national fine
C. I.	cast iron	ni.	nickel
ck-hd.	countersunk head	No.	number
cm.	centimeter	O.D.	outer diameter
cont'd.	continued	oz.	ounce
cop.	copper	pkrzd.	parkerized
corr-res-S.	corrosion-resistant-steel (stainless)	pltd.	plated
cp.	candlepower	pt.	point
D.E.	drive end	rd-hd.	round-head
dia.	diameter	reg.	regular
dld.	drilled	S.	steel
dld. f/c-pin	drilled for cotter pin	s-fin.	semi-finished
ext.	external	stght.	straight
f/	for	sq-hd.	square-head
fl-hd.	fillister head	thd.	thread
fin.	finished	thk.	thick
fl-hd.	flat head	tffkns.	thickness
ft.	foot or feet	w/	with
hdls.	headless	w/o	without
hex.	hexagonal	wr-I.	wrought-iron

INTERCHANGEABILITY

Design Changes: If a part has been superseded and the new and old parts are interchangeable, the old part is listed, with the note "superseded by" If the new and old parts are not interchangeable, the fact is indicated by the note "Prior to chassis number"; after the old part, and after the new part, "Chassis number and after."

Parts Peculiar: In the Ordnance or Manufacturer's Part Number column, an asterisk precedes the number of any item which is common to the TRUCK, 2½ ton, 6 x 6, Amphibian (GMC Model DUKW-353) and TRUCK, 2½ ton, 6 x 6 (GMC) (SNL G-508). All parts without the asterisk are peculiar to the amphibian truck. Major assemblies which are peculiar to the Amphibian Truck may, in some cases, be made from similar assemblies shown in SNL G-508 by incorporating the peculiar parts. Of particular note are front and rear axle assemblies, the engine, and the transmission assembly which by way of example is listed below.

Transmission: To make transmission assembly for DUKW-353 from GM-2140096 used on CCKW models (GMC) in SNL 508:

<i>Remove</i>		<i>Add</i>
<i>CCKW Part</i>		<i>DUKW Part</i>
GM-2142305 NOTE: For Chassis No. GM-2073045 GM-2073044 GM-2073106	Lever, gearshift..... 2006, and after, the following changes must also be made: Cap, countershaft rear bearing..... Washer, countershaft rear bearing retainer..... Screw, retainer washer..... Nut, tachometer tube..... Oil Seal, tube nut..... Gasket, tube nut..... Screw, cap..... Gear, drive, tachometer..... Gear, driven, tachometer..... Pin, pilot, gear..... Screw, drive gear..... Wire, locking.....	GM-2181558 GM-2198645 GM-2197382 GM-2196410 GM-2197386 180134 GM-2197379 GM-2197381 GM-2197383 GM-2197384 GM-31817-R

Engine: The Engine Assemblies used on Models CCW, CCKW or AFKWX may be interchanged with the model DUKW-353 Engine Assembly by removing and adding certain parts, indicated on the following chart:

