ARMY SERVICE FORCES
CATALOG

# ORD 9 SNL G-509

## ORDNANCE SUPPLY CATALOG

GROUP G

(STANDARD NOMENCLATURE LIST NO. G-509)

LIST OF ALL PARTS

FOR

TRUCK, 4 TON, 6 x 6

(DIAMOND T MODELS 967, 968, 968A, 968B, 969 969A, 969B, 970, 970A and 972)

(Parts formerly listed in TM-10-1296; TM-10-1334; TM-10-1516; TM-1532, Change 1 dated 7 April 1942; TM-10-1602, Change 1, dated 16 July 1941; TM-10-1604, Changes 1 and 2, dated 7 October 1941, and TM-10-1606, Change 1, dated 7 October 1941 are included in this List of All Parts ©RD 9, SNL G-509)

REFERENCE TM 5-811

HEADQUARTERS, ARMY SERVICE FORCES, 28 DECEMBER 1944

#### HEADQUARTERS, ARMY SERVICE FORCES

Washington 25, D. C., 28 December 1944

Army Service Forces Ordnance Supply Catalog, ORD 9, SNL G-509 List of All Parts, for Truck, 4 Ton, 6x6, has been prepared under the supervision of the Chief of Ordnance and is published for the information and guidance of all concerned.

[SPX 461 (12 Dec 44)]

BY COMMAND OF LIEUTENANT GENERAL SOMERVELL:

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ARMY SERVICE FORCES CATALOG

ORD 9

SNL G-509

## ORDNANCE SUPPLY CATALOG

Group G

(100 x

**Technical Reference TM 9-811** 

(Standard Nomenclature List No. G-509)

List of All Parts

for

## Truck, 4 Ton, 6x6

(Diamond T Models 967, 968, 968A, 968B, 969, 969A, 969B, 970, 970A and 972)

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Distribution: See inside front cover.

HEADQUARTERS, ARMY SERVICE FORCES, 28 DECEMBER 1944

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#### **GENERAL INFORMATION**

For full information relative to Standard Nomenclature Lists, the procedure followed and principles employed in the compilation, together with the purposes and uses thereof, see the Introduction to the Ordnance Catalog (ORD 1 IOC), the Ordnance Provision System Regulations (OPSR) and the Ordnance Publications for Supply Index (ORD 2 OPSI).

The Standard Nomenclature Lists for major items consists of three main parts: The Organizational Spare Parts and Equipment (ORD 7), the Higher Echelon Spare Parts and Equipment (Addendum) (ORD 8), and the List of all Parts (ORD 9). These three sub-divisions may be published separately or may be combined. In this publication the ORD 9 is being printed separately.

#### **SCOPE**

This List of all Parts contains information for the identification of all parts which are considered items of service for the vehicles and models listed below:

#### MODELS COVERED IN THIS PUBLICATION

#### Truck, 4-Ton, 6 x 6 (Diamond T)

Model 967	Cargo, w/Winch, 1941	Model 969A	Wrecker, w/Winch, 1942
Model 968	Cargo, w/Winch, 1941	Model 969B	Wrecker, w/Winch, 1943
Model 968A	Cargo, w/Winch, 1942	Model 970	Ponton, w/Winch, long W.B. 1941
Model 968B	Cargo, w/Winch, 1943	Model 970A	Ponton, w/Winch, long W. B. 1942-3
Model 969	Wrecker, w/Winch, 1941	Model 972	Dump

THIS PUBLICATION IS NOT TO BE USED FOR THE REQUISITIONING OF PARTS. IT IS TO BE USED ONLY FOR INFORMATION AND IDENTIFICATION.

#### FEATURES OF THIS PUBLICATION

The following paragraphs explain important features of this catalog.

#### 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. The Standardized Government Grouping as adapted to this catalog is outlined on pages 8 and 9.

#### **ILLUSTRATIONS**

Each illustration is identified by a figure number and title, and an index of all figures and the pages on which they appear will be found in the back of the book. Items appearing on the illustrations are identified in the accompanying legend by noun, number and group.

#### 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.

#### **ATTACHING PARTS**

Attaching parts, such as bolts, nuts, rivets, screws, washers, etc., are indented immediately under the item which they attach. Whenever two similar items, having the same attaching parts, such as right

### **GENERAL INFORMATION (Cont.)**

and left fenders, 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 part. The quantities shown for the attaching parts are those necessary to attach both items.

#### **BULK MATERIAL**

A complete resume of bulk materials will be found in Group 23.

#### **INDEXES**

Indexes are listed in the back of the book in the following sequence: Illustrations, Alphabetical, Numerical (Ordnance Drawing Numbers, Manufacturers' and Vendors' Part Numbers, and Official Stock Numbers).

#### OFFICIAL STOCK NUMBER

The prefix letter and number of the official stock number (i.e. G104-XX-XXXXX, G103-XX-XXXXX or G167-XX-XXXXX) 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 official stock number for this same part.

The major item covered by this catalog is designated as a general purpose vehicle, as defined in paragraph 3, AR 850-15, dated 28 August 1943.

#### INTERCHANGEABILITY OF COMPONENTS

In general all important chassis units excepting some propeller shafts with the exception of drilling or enlarging a hole are completely interchangeable on all Models covered by this Catalog.

Differences between Models are in body and equipment only.

#### PUBLICATIONS PERTAINING TO THIS VEHICLE

Other Publications Pertaining to This Vehicle:

Technical Manual (1st and 2nd Echelon)	TM 9-811
Technical Manual (3rd and 4th Echelon)	<b>TM</b> 9-1811
Ordnance Maintenance—Electrical equipment (Auto-Lite)	TM 9-1825B
Ordnance Maintenance—Carburetors (Zenith)	TM 9-1826C
Ordnance Maintenance—Power brake system (Bendix-Westinghouse)	TM 9-1827A
Ordnance Maintenance—Fuel pump	TM 9-1828A
Ordnance Maintenance—Speedometers and tachometers (Stewart-Warner)	TM 9-1829A
Ordnance Maintenance—Engine (Hercules)	TM 9-1832A
Technical Manuals—Truck, 4-Ton, 6 x 6, (Diamond T Model 969A)	TM 10-1335
Technical Manuals—Truck, 4-Ton, 6 x 6, (Diamond T Model 968A)	TM 10-1517
Technical Manuals—Truck, 4-Ton, 6 x 6, (Diamond T Model 968A)	
Technical Manuals—Truck, 4-Ton, 6 x 6, (Diamond T Model 969A)	TM 10-1533
Technical Manuals—Truck, 4-Ton, 6 x 6, (Diamond T Model 967)	TM 10-1603
Technical Manuals—Truck, 4-Ton, 6 x 6, (Diamond T Models 968, 969	
and 970)	<b>TM</b> 10-1605
Technical Manuals—Truck, 4-Ton, 6 x 6, (Diamond T Models 968A,	
969A and 970A)	<b>TM</b> 10-1607

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## **GENERAL INFORMATION (Cont.)**

Ordnance Field Service Bulletins

TB 1811A-1 Change oil flow from "inside-out to outside-in" TB 811-1 Percolator oil filter N-1926 TB 10-1255-1 Spring seat cork

Field Service Modification Work Orders

FSMWO G-509-W2 Fender, front, R.H. FSMWO G-1-W9, C1 Lamps, front and rear (combat zone safety lights) FSMWO G-1-W6 Lights, blackout FSMWO G-509-W1 Thermostat ORD 8, SNL G-509

Higher Echelon Spare Parts on Equipment (Addendum)

#### **IDENTIFICATION PLATES**

Name of Unit Location

AXLE, FRONT Top of Housing, Banjo

AXLE, REAR FORWARD On Housing Above Oil Level Plug

AXLE, REAR REAR On Housing, Banjo, Opposite Filler Plug

CARRIER In Boss at Filler Plug COMPRESSOR, AIR, ENGINE On Plate of Compressor COMPRESSOR, AIR, WRECKER On Air Compressor

On Name Plate Attached GENERATOR

GEAR. STEERING Top of Housing

**GOVERNOR** On Plate of Flyball Housing

POWER TAKE-OFF, WINCH On Plate on Transmission Power Take-Off Cover

TRANSFER On Case Near Filler Plug

TRANSMISSION Rear of Case

TRUCK On Plate, Left Side Cowl Under Hood and Stamped

Right Side Rail Under Front Spring Hanger

WINCH On Plate, Top of Winch Gear Box WRECKER On Plate, Right Side Wrecker Frame

#### **DEFINITION OF LOCATIONAL TERMS**

Designation as right or left are to the right or left side of the operator. Upper and lower refer to the relative installed positions.

#### MANUFACTURERS' IDENTIFICATION SYMBOL

Identification symbols have been assigned to manufacturers part numbers. These symbols are prefixed to the part numbers in this book and a list of manufacturers is shown on page 6.

#### LIST OF ABBREVIATIONS

A list of the abbreviations appearing in this book is shown on page 7.

#### 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:

## **GENERAL INFORMATION (Cont.)**

If the nomenclature (basic name) only is known, and the subgroup is not, 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 this subgroup, the complete listing of the part can readily be found.

If any one of the Part Numbers—Ordnance Number, Official Stock Number, or Manufacturer's Number—is known, refer to the appropriate numerical index in the back of the book. This index will give the subgroup number from which the part can be found by following the procedure given in the previous paragraph.

If the use, or function, or location of the part is known, refer to the illustration index to determine in which plate or plates the part is likely to appear; then turn to these plates 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.

### **MANUFACTURER'S 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.

SYMBO	OL MANUFACTURER	ADDRESS
AAD	AMERICAN AUTOMATIC DEVICES CO	500 S. Throop St., Chicago 7, Illinois
AB	AETNA BALL BEARING MFG. CO	4600 Schubert Ave., Chicago 39, Illinois
ABS	AMERICAN BRAKE SHOE AND FOUNDRY (KELLOGG DIV.)	97 Humboldt St., Rochester 9, N. Y.
ABT	ALBERTSON & CO., INC	3100 Lowell Ave., Sioux City 3, Iowa
AC	A C SPARK PLUG DIVISION (GENERAL MOTORS CORP.)	
AL	AVAILABLE TRUCK COMPANY (See ELECTRIC AUTO-LITE CORP.)	
BA	BASSICK CO. (THE)	· · · · · · · · · · · · · · · · · · ·
BMP	BATAVIA METAL PRODUCTS CORP	· · · · · · · · · · · · · · · · ·
BR	BRIGGS & STRATTON CORP	
BW	BUDD WHEEL COMPANY	
BWE	BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE CO	
CE	CLARK EQUIPMENT CO	. •
CM	CHICAGO RAWHIDE MFG. CO. (THE)	,
CP	CHAMPION SPARK PLUG CO	
СРМ	CURTIS MFG. CO.	
DEV	DE VILBISS CO. (THE).	·
DR	DELCO-REMY DIV. (GENERAL MOTORS CORP.)	• • •
DT	DIAMOND T MOTOR CAR CO	
DZ	DIETZ, R. E. CO.	·
ERH	HOLMES COMPANY, ERNEST	
FR	FRAM CORP.	
	CANADA A A A A A A A A A A A A A A A A A	Rhode Island
GL	GUIDE LAMP DIV. (GENERAL MOTORS CORP.)	
GW	GAR WOOD INDUSTRIES, INC	
HE	HOUDE ENGINEERING CORP.	
HM	HERCULES MOTORS CORP.	
HY	HYATT BEARINGS DIV. (GENERAL MOTORS CORP.)	
ĴΛ	JOHNSON MOTOR DIV.	
KH	KICKHAEFER MFG. CO.	
LPE MLB	LIPE-ROLLWAY CORP	
MRC	MARLIN-ROCKWELL CORP	
MZ	"MAZDA"—GENERAL ELECTRIC CO	
ND	NEW DEPARTURE DIV. (GENERAL MOTORS CORP.)	- · · · · · · · · · · · · · · · · · · ·
PG	PIERCE GOVERNOR CO.	
PSB	PERFECTION STEEL BODY COMPANY (THE)	
RG	ROSS GEAR & TOOL CO	
SL	SHELLER MFG. CORP.	
SP	SPICER MFG. CORP.	
SPT	SPENCER THERMOSTAT CO	
SQ	SQUARE D CO.	
sw	STEWART-WARNER CORP	1936 Discourse Discours Chicago 14 71
SZ	SCHWITZER-CUMMINS CO.	
02	SCHWITZBAC COMMING CO.	Indiana
TD	TIMKEN-DETROIT AXLE CO	100-400 Clark Ave., Detroit 32, Mich.
TER	TERNSTEDT MFG. CO. (GENERAL MOTORS CORP.)	6307 W. Fort St., Detroit 9, Michigan
TRI	TRICO PRODUCTS CORP	
TRU	TRU-STOP (AMERICAN CHAIN & CABLE CO.)	
UC	UNITED CARR FASTENER CORP	31 Ames St., Cambridge 42, Mass.
UTS	UNITED SPECIALTIES CO	9705 Cottage Grove Ave., Chicago 28,
VM	VISCO METER CORP. (THE)	Illinois
WEB	WARNER ELECTRIC BRAKE MFG. CO.	
WIS	WISCONSIN AXLE DIV. (TIMKEN-DETROIT AXLE CO.)	
W 15 Z	ZENITH CARBURETOR DIV. (BENDIX AVIATION CORP.)	
L	DESTRUCTION DIV. (DENDIA AVIATION CORP.)	090 mart Ave., Detroit 14, Michigan

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## LIST OF ABBREVIATIONS

al	
alloy-S	alloy steel
amp	ampere
anld	annealed
bay	bayonet
b-hd	button-head
br	brass
brgt	bright
bz	bronze
cand	candelabra
c-pin	cotter pin
cd	cadmium
chamf	
chr	chromium
C.I	cast iron
cir-mils	circular mils
ck-hd	countersunk head
cm	centimeter
contd	continued
cop	copper
corr-res-Scor	
cp	
dble	
dc	
diam	
dld	
dld. f/c-pin	
dld. f/lkg. wire	
ext	
extint.	
f/	
f/c pin	
fil	
fil-hd.	
fin	
fl-hd	
ft	
hdls	
hd	
hex	
hex. hd	
hp	horsepower
hv	heavy
I.D	inner diameter
in	inch
int	internal
11.	nound

lgh	
lgt	light
LH	left hand
lin. ft	linear foot or feet
lkg	locking
mach	machine
M.I	
mm	millimeter
mtg	mounting
NCNati	
NFN	
ni	
No	
O.D	
opngs	
oz	
ph-bz	
pl	
pltd	
pref	
pt	
reg	
rd	
rd-hd	
RH	
rpmrevo	
S	steel
SAE Society of Automotive E	ngineers standard
s.c	single contact
s-fin	semi-finished
sgle	single
sp	special
std	standard
stght	
sq	square
sq-hd	square-head
sq-nk	square-neck
- thd	
thk	
thkns	
tung	
V	
vel	
w/	
w/o	without

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x.....by-dimensional

## STANDARDIZED GOVERNMENT GROUPING

01	ENGINE	GROUP	05	COOLIN	IG GROUP		0302	Drive Gears, Shafts and
	0100	Engine Assembly		0501	Radiator		0803	Bearings Driven Gear, Shaft and
	0101	Crankcase		0501A	Shell		0003	Bearings
	0101B	Cylinder Head		0301B	Core		0804	Idler Gear, Shaft and
	0102	Crankshaft		0501D	Shroud		0001	Bearings
	0102A	Crankshaft Bearings		0502	Thermostat		0804A	Declutch Shaft Bearings and
	0103	Pistons		0503	Water Pump			Parts
	0103A	Rings		0503A	Fans		0805	Shifter Shafts
	0103B	Piston Pins		0503B	Fan and Generator Belts		0005A	Yokes
	0104	Connecting Rods		0504	Radiator Mountings		0005B	Shift Levers
	0104A	Connecting Rod Bearings		0505	Engine Water Fittings and		0805C	Declutch Lever and Parts
	0105	Valves, Seats, Guides and			Hose		0805D	Lever Cross Shaft
	0105A	Springs					0809	Mountings
	0105A	Tappets Valve Cover and Gaskets					0810	Speedometer Drive Gears
	01035	Camshaft	.06	ELECTR	ICAL GROUP			
	0106A	Camshaft Bearings		0601	Generator			
	0106B	Timing Gears		0601B	Regulators	09		LER SHAFT AND
	0106D	Timing Gear Case Cover		0602	Motor, Cranking		UNIVER	SAL JOINT GROUP
		and Gaskets		0602A	Cranking Motor Solenoids		0901	Donalla Chaft Assaultion
	0107	Oil Pump		000271	and Series Parallel Switches		0902	Propeller Shaft Assemblies Universal Joints
	0107A	Oil Pan		0603	Distributor		0702	Oniversal Somis
	0107E	Oil Filter		0603C	Manual Control Distributor			
	0107G	Oil Filler and Breather		0604	Ignition Coil	10	EDONT	AXLE GROUP
	0107H	Level Gauge		0604A	Ignition Wiring		FRONT	AALE GROUP
	0107J	Oil Lines and Fittings		0604B	Spark Plugs		1000	Front Axle Assembly
	0107N	C. ankcase Ventilator		0604C	Ignition Switch		1001	Housing
	8010	Manifolds as an Assembly Intake Manifold		0605	Instruments		1002	Differential and Carrier
	0108A 0108B	Exhaust Manifolds		0603B	Instrument Wiring			Assembly
	01085	Flywheel		0505C	Panel Light		1003	Differential Gears Pinion and
	0107 0109B	Ring Gear		0606	Switches			Bearings
	0109C	Flywheel Housing		0606B 0606D	Chassis Wiring Circuit Breakers		1006	Steering Knuckle Flang <b>e and</b>
	0110	Mountings		0606F	Trailer Electric Coupling			Arm
	0113B	Accessory Drive		00001	Parts		1007	Axle Shafts, Universal Joints
		·		0607	Headlights			and Drive Flange
	61 11761	I CROUD		0607B	Lamps			
02	CLUICE	I GROUP		0607D	Parking and Blackout Lights		DEAD A	VIE CROUB
	0200	Clutch Assembly		0608	Tail-Lights	11	KEAK A	XLE GROUP
	0201	Clutch Disk		0603A	Auxiliary Lights		1100	Rear Axle Assembly
	0201A	Facings and Rivets		0609	Horns		1101	Housing Assembly
	0202	Cover, Pressure Plates and		0509A	Horn Button Assembly		1102	Axle Drive Shafts
		Springs		0610	Battery		1103	Differential and Carrier
	0203	Release Yoke, Bearings and		0610A	Battery Hanger and Carrier			Assembly
	0204	Fork		0610B	Starting Cables		1104	Differential Gears, Pinions
	020 <del>4</del> 0204A	Pedal Pedal Linkage						and Bearings
	0205	Pilot Bearings	•					
	0207	Housing	07	TRANSI	MISSION GROUP			
		<b>-</b>		0700	Transmission Assembly	12	BRAKE	GROUP
				0701	Case		1201	Hand Brake or Emergency
03	FUEL S	YSTEM GROUP		0701	Main Drive Pinion and		1201	Brake Parts
	0300	Fuel Tanks		0,03	Bearings		1202	Shoes and Facings
	0300A	Tank Gauge Unit		0704	Main Shaft and Bearings		1203	Brake Shoe Support
	0301	Carburetor		0704B	Gears		1203B	Adjusting Pins and Anchor
	0301B	Choke Control		0704C	Countershaft and Reverse			Plate
	0301C	Air Cleaner			Idler Shaft		1203C	Slack Adjuster
	0302	Fuel Pump		0705	Speedometer Drive Gears		1203D	Brake Camshaft
	0303	Accelerator and Linkage		0706	Gear Shift Housing		1204	Pedal and Springs
	0303A	Hand Throttle and Linkage		0706A	Gear Shift Lever and Parts		1207A	Brake Diaphragm Chambers
	0304	Fuel Lines		0706B	Gear Shifter Rods and Parts			—Front
	0305 0306	Governor Fuel Filters		0706C	Gear Shifter Forks		1207B	Brake Diaphragm Chambers
	0300	Fuel Filters					1000	—Rear
							1209	Brake Lines
04	EXHAUS	ST GROUP	08	TRANSI	FER CASE GROUP		1209B 1209C	Hoses Tubes, Clips and Tube
0401 Muffler			0800	Transmission Transfer		12090	Connectors	
	0401	Exhaust Pipe		5555	Assembly		1209D	Brackets and Springs
	0402A	Tail Pipe		0801	Case		1207E	Relay Valve
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