

ARMY SERVICE FORCES CATALOG

ORD 7-8-9 SNL G-154
SNL G-179

***RESTRICTED**

ORDNANCE SUPPLY CATALOG

Group G

**Technical Manual Reference TM 9-772
TM 9-893**

(Standard Nomenclature List No. G-154, G-179)

(Combined)

Organizational Spare Parts and Equipment List

**Higher Echelon Spare Parts and Equipment
List (Addendum)**

Service Parts Catalog

for

Carrier, Cargo, M28 (T15)
(SNL G-154)

Carrier, Cargo, M29 (T24)
(SNL G-179)

Carrier, Cargo, M29C (Amphibian)
(SNL G-179)

(Supersession Note: See Inside Front Cover)

***"Dissemination of restricted matter.—The information contained in restricted documents and the essential characteristics of restricted material may be given to any person known to be in the service of the United States and to persons of undoubted loyalty and discretion who are cooperating in Government work, but will not be communicated to the public or to the press except by authorized military public relations agencies. (See also paragraph 18b, AR 380-5, 28 September 1942.)"**

Distribution: **Ordnance Organizations, Establishments and any Interested Personnel. All units equipped with Carrier, Cargo, M28, Carrier, Cargo, M29 and Carrier, Cargo, M29C (Amphibian)**

HEADQUARTERS, ARMY SERVICE FORCES 15 JUNE 1944

Headquarters, Army Service Forces,

Washington 25, D. C., 15 June 1944

Army Service Forces Ordnance Supply Catalog, ORD 7-8-9, SNL G-154, G-179, Combined Organizational Spare Parts and Equipment List, Higher Echelon Spare Parts and Equipment List (Addendum), Service Parts Catalog, for Carrier, Cargo, M28, Carrier, Cargo, M29 and Carrier, Cargo, M29C (Amphibian) has been prepared under the supervision of the Chief of Ordnance and is published for the information and guidance of all concerned.

SPX 400.152 (DATE: 12 May 1944).

By command of Lieutenant General SOMERVELL:

W. D. STYER,
Major General, General Staff Corps,
Chief of Staff.

OFFICIAL:

J. A. ULIO,
Major General,
The Adjutant General.

SUPERSESSION NOTE

Supersedes the following publications:

- SNL G-154, List of all Parts, Sections 1 to 17 inclusive and changes thereto, published 5 October 1942 to 17 October 1942 inclusive.
- SNL G-154, Organizational Spare Parts and Equipment dated 12 September 1943.
- SNL G-179, Service Parts Catalog dated 1 August 1943, and Supplement No. 1, dated 15 January 1944.
- SNL G-179, Addendum, dated 26 October 1943.
- SNL G-179, Organizational Spare Parts and Equipment dated 8 January 1944.

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HEADQUARTERS, ARMY SERVICE FORCES, 15 JUNE 1944

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(ADDENDUM)
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GENERAL INFORMATION

The Ordnance Supply Catalog of Spare Parts and Equipment contains the following sub-divisions, besides this General Information Section:

Organizational Spare Parts and Equipment List (ORD 7)

Higher Echelon Spare Parts and Equipment (Addendum)
Combined with Service Parts Catalog (ORD 8-9)

Indexes

ORGANIZATIONAL SPARE PARTS AND EQUIPMENT LIST (ORD 7)

This section lists all maintenance parts, accessories, common and special tools, equipment and supplies, fire control equipment, applicable cleaning and preserving materials, required by, and authorized for using troop organizations in connection with the use and maintenance of the vehicle. The columns in this section list the estimated quantities of parts required by each company or regiment or separate battalion to maintain the various quantities of the vehicle assigned to each respectively. The organizational accessories lists the tool sets allocated to these organizations, the figures in the column showing the quantities per tool set.

This section also lists all maintenance parts, accessories, equipment, common and special tools, supplies, ammunition, sighting equipment, that are carried in or on the vehicle. Also included are any other major items that are issued with, and as an integral part of the vehicle. For example, the armament (guns and gun mounts) is listed in this section as well as the armament spare parts that are carried on the vehicle. The Quantities per Vehicle appear in Column 6.

Only those parts which have a quantity in columns 7 and/or 8 and 9 or an asterisk in column 9 are available for issue. Those parts having an asterisk in column 9 are available for issue only until stock is exhausted.

HIGHER ECHELON SPARE PARTS AND EQUIPMENT (ADDENDUM) COMBINED WITH SERVICE PARTS CATALOG (ORD 8-9)

This section lists all parts which may be used to service the vehicle although not all of them are authorized items of issue. Those items which are authorized items of issue are indicated by quantities in columns 7 and/or 8 and 9 or an asterisk in column 9. Column 7, 12 Mos. Field Maintenance, shows the quantity of parts that have been estimated to be required for the third and fourth echelons for the maintenance of one hundred (100) vehicles for twelve months. These figures do not include the quantities estimated for organizational maintenance parts, which appear in ORD 7. Column 8, Major Overhaul (5th echelon), shows the quantities of parts that have been estimated to be required for fifth echelon maintenance for one hundred (100) vehicles for twelve months. Column 9 shows Total First Year Procurement for maintenance by all echelons. Column 10, lists the estimated quantities required to rebuild 100 vehicles.

FIRST AND SECOND ECHELONS: Using troops performing 1st and 2nd echelon maintenance are authorized to requisition only those parts marked by a % sign in Column 7 of ORD 8-9 as well as all standard hardware. They are not authorized to requisition any other part. However, all parts marked with a % sign are not shown in the Organizational Spare Parts and Equipment List (ORD 7). Normally those parts shown in ORD 7 are carried. However, if time and the tactical situation permit, and trained personnel and suitable tools are available, any of those parts marked by a % in ORD 8-9 may be requisitioned for replacement purposes.

ORDNANCE PROVISION SYSTEM

For full information relative to Standard Nomenclature Lists, the procedure followed and the principles employed in their 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).

FEATURES OF THIS PUBLICATION

The following paragraphs explain various details with which the users should be familiar for proper understanding of the catalog and practices peculiar to this individual book:

STANDARDIZED GOVERNMENT GROUPING:

The parts listed in this catalog are divided into major and minor groups in accordance with the Standardized Government Grouping. This division into group facilitates location and identification of each part. The Standardized Government Grouping as adapted to this book is outlined on pages 6 and 7.

ILLUSTRATIONS:

Assembly views, exploded views and cross sectional drawings are used throughout ORD 8-9 of this catalog to aid the user in locating and identifying parts. Illustrations are placed throughout this catalog preceding the major group listings to which they apply. Each illustration is accompanied by a reference legend on either the same page or facing page and parts in the illustrations are coded to the legend by letters. Reference legends lists the name noun, piece mark and appropriate group number for each part illustrated. These illustrations carry the major group number followed by a suffix number, and the figures are located in each major group in suffix number sequence. This promotes the quick identification of each part and cross reference to the text for complete listing.

COMPONENT OF KITS, SETS AND ASSEMBLIES:

Whenever any doubt may exist as to what items are included as components of kits, sets or assemblies, an explanatory note or a complete listing of such components is shown. In the case of items which are both separately listed and are components of kits or sets, suitable cross reference notations will be found throughout the text.

ATTACHING PARTS:

Attaching parts such as bolts, nuts, rivets, screws and washers, etc., are indented immediately following the parts which they attach. This promotes quick selection of all parts to be requisitioned for use in installing any items. Whenever two similar parts having these same attaching parts, such as right and left brackets, 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 in column 6 for the attaching parts are those necessary to attach both items.

STANDARD HARDWARE AND BULK MATERIAL:

A complete resume of Standard Hardware and Bulk materials will be found in Group 23, ORD 8-9. For these items, which are also listed throughout ORD 8-9, for each place of use, the quantity required per unit assembly (Column 6) is shown only for each listing in various groups, and the echelon breakdown (Columns 7, 8, 9) is given only in Group 23.

INDEXES:

Particular attention is directed to the fact that illustration figure index, alphabetical index and numerical indexes are placed at the back of the book.

SERIAL NUMBERS:

The vehicle and certain of its major components are identified by serial and model numbers which are essential in ordering some parts. The following is a list of the components which have such serial and model numbers and the locations of such numbers on the components.

Name of Unit	Location
Vehicle	On Bulkhead, Back of Driver
Engine	On Left Side, Front Corner of Cylinder Block
Cranking Motor	On Housing
Generator	On Housing
Generator Regulator	On Cover
Battery	On Cell Connector
Fuel Pump	On Mounting Flange
Ignition Distributor	On Housing
Carburetor	On Body.
Solenoid Switch	On Housing

DESIGNATION OF PARTS:

All like parts pertaining to the vehicle which are not interchangeable are designated by left, right, upper, lower, front or rear, in regard to their position in the vehicle when it is viewed from the rear facing forward.

Special note should be made of the fact that for the M28 (T15) the front of the engine is the fan end which is actually installed at the rear of the vehicle. All references made as to front and rear mean from fan end to flywheel end.

The driving axle on model M28 (T15) is located at the front of the vehicle, whereas, the same unit on models M29 (T24), M29C is located at the rear of the vehicle.

All parts which pertain to a particular application are so indicated by M28, M29 or M29C; all other parts not so indicated are applicable to all models.

ORDERING PARTS, OFFICIAL STOCK NUMBERS:

THE PIECE MARKS, OFFICIAL STOCK NUMBERS AND COMPLETE NOMENCLATURE MUST BE CAREFULLY INCLUDED ON THE REQUISITION WHEN PARTS ARE ORDERED. THIS IS EXTREMELY ESSENTIAL. THE PREFIX LETTER AND NUMBER OF THE OFFICIAL STOCK NUMBER SIGNIFIES ONLY THAT THE ITEM WAS ORIGINALLY CODED UNDER THAT MAJOR ITEM AND SHOULD NOT BE INTERPRETED AS MEANING THAT THE PART IS USED ONLY WITH THE ONE VEHICLE. THIS PREFIX CONTINUES UNCHANGED WHEN THE ITEM IS USED AGAIN IN ANOTHER CATALOG FOR OTHER VEHICLES IN WHICH IT IS USED.

HOW TO FIND PARTS LISTED IN THIS CATALOG:

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 noun name and description of the part is known—
 1. Turn to alphabetical index and locate the item by the noun name and description.
 2. Turn to the group shown opposite the name. Group number appears 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 in alphabetical order under the sub-heading.
- b. If only the location or function of the part in the vehicle is known—
 1. Turn to the standardized government grouping list, pages 6 and 7, and determine the number of the group in which the part is most likely to be listed.
 2. If found in the list, review the illustrations which apply to group or allied groups. When the proper illustration is found, using the code letter, refer to the legend to determine the part number, noun name of the part and group number.
 3. Turn to the proper group and locate the part, either by part number or by description.
- c. If only the Official Stock, Ordnance and/or Manufacturers' number of the part is known—
 1. Refer to the numerical index of Official Stock, Ordnance and/or Manufacturers' numbers and locate the proper part number.
 2. Turn to the group shown opposite the Official Stock, Ordnance and/or Manufacturers' part number and locate the part.

For example: To find information on a piston ring one may refer to the Standardized Government Grouping List. Under the "Engine Group" major Group 01, is listed sub-group 0103A "Piston Rings." Turning to this group in the catalog section the rings are found in alphabetical sequence. If some doubt exists as to whether or not the correct ring has been found, a check can be made against the illustration referred to in the figure number column. The ring also could be found by referring to the alphabetical index under RING, piston. The same sub-group reference is shown and by following the steps outlined in the paragraph above, the rings are found under sub-group 0103A.

HOW TO ORDER SPARE PARTS

After it has been determined which Parts are needed, it is important that the requisition be properly prepared in order to speed up the satisfactory filling of requisitions.

NOTE: ONLY THOSE ITEMS LISTED IN ORD 7—OSP&E, OR ORD 8—HESP&E (ADDENDUM) OF THE ORDNANCE SUPPLY CATALOG ARE AVAILABLE FOR ISSUE.

Until new forms are available, existing form W.D. QMC form No. 400, revised as indicated below, will be used. If no forms are available, informal requisitions may be prepared on any paper, provided the essential information is given.

In preparing requisitions, the following should be adhered to, otherwise the result will be unnecessary and wasteful delay.

1.) Separate requisitions will be prepared for each supply service. For example, a separate requisition will be prepared for items stored and issued by the Quartermaster Corps, and a separate requisition for items stored and issued by the Ordnance Department.

2.) Separate requisitions will be prepared for expendable and non-expendable items.

3.) Separate requisitions will be prepared for any item requiring special authorization.

4.) Separate requisitions will be prepared for vehicles reviewed in one SNL. Do not consolidate on one requisition the quantities of interchangeable parts required for vehicles reviewed in several different SNL's.

Below is a sample requisition with explanatory marginal notes on the preparation of a requisition for Ordnance materiel.

WAR DEPARTMENT
Q. M. C. FORM NO. 400
Revised Apr. 6, 1941

REQUISITION

To: Commanding General, Rock Island Arsenal, Rock Island, Illinois No. of Sheets 1 Sheet No. 1

Requisition No. ORD-745-53-98 Date 5 January 1944 Period 15 days

SHIP TO Supply Officer, Maintenance Battalion, 8th Armored Division, Fort Knox, Ky.

REQUISITIONED BY (show Signature, Rank, Organization, Destination. If different from "SHIP TO" include address):
Robert E. Roe
Robert E. Roe
1st Lt., Ordnance Dept.
Supply Officer
14th Ord. Depot Co.
Camp Campbell, Kentucky

APPROVED BY:
John D. Doe
John D. Doe
Colonel, Ord. Dept.
Executive Officer

STOCK No.	ARTICLE NOMENCLATURE & UNIT	AUTHORIZED QUANTITY OR MAX. LEVEL	ON HAND	CONSUMED SINCE IN	REQUIRED	APPROVED
	SNL G-207, Tank, Medium, M4A1 (76mm gun, Wet)					
G163-01-39400	COIL, booster, assembly (ORD. C126369; DR-1115482) ea.	1	0	0	1	
G104-06-00070	KIT, repair, propeller shaft (ORD. A294020; SP-K5-16X) ea.	1	0	0	1	
G104-04-00799	GASKET, steering brake adjusting hole cover (ORD. A196383) ea.	6	4	2	2	
G104-01-00649	GASKET governor body (PG-G3184) ea.	4	1	0	3	

Authority: T E 9-65; Addendum SNL G-207, dated 23 Nov 1943.

I certify that the items listed above are required to replenish the stock for 92 TANKS, Medium, M4A1 (76mm gun, Wet) and will not result in quantities in excess of authorized allowances.

Robert E. Roe
ROBERT E. ROE
1st Lt., Ordnance Department



BACK AT THE THEATRE SUPPLY DEPOT

STOP ALL WORK!
EVERYBODY QUIT WHAT YOU ARE DOING. **START WORKIN' ON THIS ORDER FROM THE NTH INFANTRY CO....THEY MUST BE AWFUL SHORT!**

HEY SAM! WHATS A GO-ROUND KOD

SEARCH ME! SEND HIM AN AXLE... THAT GOES 'ROUND

WHERE DOES THIS JOSEPH DOPE FIND THESE ITEMS.... "A RUBBER HOSE..." FOR WHAT??

DUNNO. GUESS HE WRITES HIS OWN SNL'S

ONE DOZEN GAUGE NEEDLES. 20 EMERGENCY VALVE BALL CHECK W/STEM ASSY.

HOLY HOUSINGS! WE AINT GOT ANY O' THAT STUFF... CABLE THE STATES!

TELL THE 5TH ARMY WE'RE SORRY BUT ALL OUR BRAKE ASSEMBLIES HAVE GONE TO JOE DOPE'S OUTFIT!

...IN AMERICA

I DON'T CARE IF THOSE STEEL LATHES ARE OUT OF PRODUCTION... RETOOL! OUR MEN ON THE FIGHTING FRONT NEED IT!! HANG THE COST!

LATER, BACK AT THE NTH

HEY JOE WHAT THE HECK'S A EARTH AUGER 4X4 M1. ??

I DUNNO... LETS ORDER A COUPLE... SEE WHAT IT LOOKS LIKE!

GOOD EVENING JOSEPH

ER... FIVE JEEPS. NINE 6X6'S... ONE BICYCLE

HOW MANY VEHICLES DO WE HAVE IN OUR PARK??

WELL, TOMORROW WE MOVE UP TO ST. STOMFLUTZ WHICH IS OVER THE MOUNTAINS....NOW, WILL YOU KINDLY TELL ME HOW WE'LL CARRY ALL THOSE USELESS SPARE PARTS OVER THEM ROADS!

ONLY 5 MORE MILES, JOE, AND WE'LL GO BACK FOR ANOTHER LOAD!...KEEP REPEATING IT!

PRIVATE DOPE!

I WILL NOT ORDER WHAT I DO NOT NEED. I WILL USE SNL'S. I WILL NOT....

Another way of finding the rings is to determine the sub-group in which the parts may be found and refer to the illustrations which apply to that group. The part may be found on the illustration and the part number and noun name will be found in the legend.

PUBLICATIONS PERTAINING TO THIS VEHICLE:

TM9-893—"Light Cargo Carrier T15"

TM9-1893A—"Ordnance maintenance:

Engine, engine accessories, and clutch for Cargo Carrier M28 (T15)"

TM9-1893B—"Ordnance maintenance:

Power train, suspension system, hull, and hull electrical system for Cargo Carrier M28 (T15)"

TM9-772—"Cargo Carriers M29"

TM9-1772A—"Ordnance maintenance:

Engine, engine accessories, and clutch for Light Cargo Carrier T24"

TM9-1772B—"Ordnance maintenance:

Power train, suspension system, hull, and hull electric system for Light Cargo Carrier T24"

TB9-772-1—"Cargo Carriers M29C (Amphibian)"

THE PARTS SHOWN IN THIS PUBLICATION HAVING QUANTITIES IN COLUMN 7 AND/OR 8 AND 9, OR AN ASTERISK IN COLUMN 9 ARE ALL THE AUTHORIZED ITEMS OF ISSUE AVAILABLE FOR MAINTENANCE OF THE SUBJECT VEHICLE AND ARE THE ONLY ITEMS AVAILABLE FOR ISSUE.