

*RESTRICTED

ORDNANCE SUPPLY CATALOG

Technical Reference TM-9-746

(Standard Nomenclature List No. G-166)

Service Parts Catalog

for

Carrier, Universal, T 16

(Supersedes Part II SNL G-166, Service Parts Catalog
7 Sept., 1943.)

"Dissemination of restricted matter.—The information contained in restricted documents and the essential characteristics of restricted materiel 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, Universal, T 16.

Headquarters, Army Service Forces,

Washington 25, D. C., 1 April, 1944

Army Service Forces Ordnance Supply Catalog, ORD 9, SNL G-166, Service Parts Catalog for Carrier, Universal T16 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: 7 Jan. 1944).

By command of Lieutenant General SOMERVELL:

W. D. STYER,

Major General, General Staff Corps,
Chief of Staff.

OFFICIAL:

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

ARMY SERVICE FORCES CATALOG

ORD 9

SNL G-166

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ORDNANCE SUPPLY CATALOG

Group G

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HEADQUARTERS, ARMY SERVICE FORCES 1 APRIL 1944

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GENERAL INFORMATION

This Standard Nomenclature List G-166 covers Carrier Universal T-16 listing the serviceable parts for the vehicle. It has also been checked against the Spare Parts Procurement List No. CU-360, including Amendments through No. 6. The catalog is arranged in sections as follows:

PARTS LIST—This section, which makes up the body of the book, lists parts which are available for service replacement, grouped according to the Standardized Government Grouping, and cross referenced to illustrations. The following data is included in the listing of each part where available; Figure number or numbers on illustrated parts; official stockage number; ordnance number; manufacturer's number with name symbol; description of the part; and quantity per unit assembly, or number required per vehicle with the particular location or usage described.

Components of an assembly are frequently listed where it is thought necessary in the interest of clarity.

Substitute hardware items that may be used for emergency repairs are indicated by part numbers enclosed in parentheses.

ILLUSTRATION INDEX which lists the figure numbers, figure titles, and the page number which they appear.

ALPHABETICAL INDEX which contains the service replacement parts arranged in alphabetical sequence by the noun name, followed by the group number, or numbers, in which they are listed.

OFFICIAL STOCKAGE NUMBER INDEX which contains a list of all parts to which official stockage numbers have been assigned, cross referenced to group numbers.

ORDNANCE NUMBER INDEX which contains a list of all parts which have ordnance numbers, with the exception of ordnance standard hardware, listed in alphabetical order by ordnance number with the standardized group number, or numbers, in which they appear.

MANUFACTURER'S PART NUMBER INDEX cross referenced to official stockage number and group.

CARRIER UNIVERSAL MK-1*, and CARRIER UNIVERSAL T-16, INTERCHANGEABILITY PART NUMBER CHART for parts common to both vehicles is listed in the index section and should be of assistance in requisitioning parts from another source.

Many parts in the **ENGINE** and **TRANSMISSION ASSEMBLIES** are the same as those used in production of the Ford 95 and 100 h.p. engine and truck 4-speed transmission. Where possible, the Ford Number has been included with the listing of the parts, so that use can be made of additional sources of replacement parts.

VEHICLE SERIAL NUMBERS for Carrier, Universal, T-16 were first assigned to each hull, when fabricated, rather than to the vehicle assembly. This number was prefixed by the letters "FS" which was stamped on the transmission and on the final drive housing. This procedure was followed until the first 1000 hulls were used up in assembly. Starting with Vehicle No. 1001, the serial number, less any prefix or suffix, was assigned to the vehicle and stamped on the top upper right hand front plate, also transmission case, and final drive housing.

The service replacement parts contained in this catalogue are segregated into major groups conforming with the Standardized Government Grouping.

Each major group is subdivided into various sub-groups to assist in locating and identifying each part. The Standardized Government Grouping as adapted to this catalogue is outlined on pages 6 and 7.

The sub-groups are further divided by sub-heads which conform as nearly as possible to the Standardized Government Grouping title. Service parts are listed under their respective sub-headings within the sub-groups in alphabetical order according to name and description. Attaching parts are indicated and listed alphabetically directly below the part they attach when the part is supplied for service. When the part is not supplied for service, the attaching parts are listed as individual items in alphabetical order.

A quick reference index to each of the major groups is provided on the right hand margin of the title page with corresponding black thumb marks in the right hand margin of the first page of each of the major groups.

ILLUSTRATIONS. Illustrations throughout are numbered with the major group to which they apply, followed by a numerical sequence number within the major group. Each illustration except those of

the complete vehicle, is accompanied by a reference legend on either the same or facing page. Parts shown in some illustrations are available only as part of an assembly or kit. This fact is shown in the picture legend. Some illustrations show complete assemblies that are exploded in other illustrations, for example the generator is shown assembled in figure 01-1. The legend then refers to figure 06-1 which illustrates the component parts of the generator.

REPAIR KITS AND SETS. Repair kits and gasket sets are provided for fuel pump, regulator and other assemblies that normally require the same group of parts, gaskets, etc., to overhaul. These kits list the component parts indented beneath the listing of the kit itself.

LEFT and RIGHT DESIGNATIONS. The words "left," "right," "front" and "rear," when used in this catalog, are as these directions would prevail from the driver's seat when facing forward.

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 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 description or name in alphabetical sequence. (For example: PUMP, engine, oil.)
 2. Turn to the **GROUP** shown opposite the name. Group numbers appear in sequence on the upper outside corner of each page. (In the case of the example, it will be group 0107.)
 3. Refer to the proper sub-heading under which the part is listed and locate the part in alphabetical order under the sub-heading. (In the case of the example, the information is found on page 24.)
- b. If only the location 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. (For example: attaching parts for engine mountings, which will most likely appear under the subject of "Mountings," in sub-group 0110.)
 2. If found in the list, review the illustrations which apply to 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. (In the case of the example, a review of the illustration index will indicate that the part in question can be found in figure 01-11.)
 3. Turn to the proper group and locate the part, by number or name.
- c. If only the official stockage number of the part is known—
 1. Refer to the official stockage number index and locate the proper official stockage number by SNL alphabetical prefix and then numerical sequence of numbers.
 2. Turn to the group shown opposite the proper official stockage number and locate the part.
- d. If only the ordnance number of the part is known—
 1. Refer to the ordnance number index and locate the proper number listed in alphabetical and numerical sequence.
 2. Turn to the group shown opposite the proper ordnance number and locate the part.
- e. To quickly locate the group desired, turn to page 1 (Ready Reference Index), bend back the edges of the pages and select the black thumb dot, which appears opposite that index name.

IMPORTANT

The Prefix Letter and Number of the Official Stockage Number (i.e. G-166-XX-XXXXXX, G-136-XX-XXXXXX or G-167-XX-XXXXXX) 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 for different vehicles will include the same Official Stockage Number for this same part.

When ordering, include all piece marks, official stockage numbers and nomenclature shown for the part.

MANUFACTURER'S IDENTIFICATION SYMBOLS

The original manufacturer's name and model, or part number, is shown with the listing of each part.

SYMBOL	MANUFACTURER	ADDRESS
AC	AC Spark Plug Division (General Motors Corp.)	Flint, Michigan
AB	Aetna Ball Bearing Mfg. Co.	4600 Schubert Ave., Chicago, Ill.
AD	Alemite Div. (Stewart-Warner Corp.)	Chicago, Illinois
AL	(See Electric Auto-Lite Corp.)	
BI	Bishop & Babcock Mfg. Co.	4901-15 Hamilton, N. E., Cleveland, Ohio
BOW	Bower Roller Bearing Co.	3040 Hart Ave., Detroit, Mich.
BR	Briggs & Stratton Corp.	Milwaukee, Wisconsin
CP	Champion Spark Plug Co.	Toledo, Ohio
CM	Chicago Rawhide Mfg. Co. (The)	1303 Elston Ave., Chicago, Illinois
HC	Cole-Hersee Co.	54 Old Colony Ave., Boston, Massachusetts
CR	Crane Co.	80 E. 9th St., Chicago, Illinois
ECM	Eclipse Machine Div. (Bendix Aviation Corp.)	Elmira, New York
AL	Electric Auto-Lite Corp.	Mulberry & Champ Sts., Toledo, Ohio
ER	Erie Resistor Corp.	644 W. 12th St., Erie, Pennsylvania
FB	Federal Bearings Co., Inc.	Poughkeepsie, New York
FM	Ford Motor Co.	Dearborn, Michigan
FZ	Ford Motor Co. (Canada)	Walkerville, Ontario, Canada
HOL	Holley Carburetor Co.	Vancouver Ave., Detroit, Michigan
HW	Hein-Werner Motor Parts Corp.	Waukesha, Wisconsin
HY	Hyatt Bearings Div. (General Motors Corp.)	P. O. Box 71, Harrison, New Jersey
IWC	Industrial Wire Cloth Production Corp.	Wayne, Michigan
KS	King Seely Corp.	305 1st St., Ann Arbor, Michigan
LMD	Long Mfg. Div. (Borg-Warner Corp.)	12501 Dequindre, Detroit, Michigan
MZ	"Mazda"—General Electric Co.	Schenectady, New York
ND	New Departure Mfg. Co.	1940 Hughes St., Bristol, Connecticut
RO	Rollway Roller Bearing Co., Inc.	541 Seymour, Syracuse, New York
SW	Stewart-Warner Corp.	1828 Diversey Pkwy., Chicago, Illinois
TB	Thomas & Betts Co.	36 Butler St., Elizabeth, New Jersey
TIM	Timken Roller Bearing Co. (The)	1935 Kelley Ave., Canton, Ohio
UAP	United Aircraft Products, Inc.	Dayton, Ohio
WCM	Waltham Clock Co.	Waltham, Massachusetts
WG	Warner Gear Co.	Muncie, Indiana
WH	Weatherhead Co. (The)	300 E. 131st St., Cleveland, Ohio
WIL	Wilcox-Rich (Div. of Eaton Mfg. Co.)	9771 French Rd., Detroit, Michigan
WRM	Wiremold Company (The)	Elmwood P. O., Hartford, Connecticut

ENGINEERING CHANGES NOT OUTLINED
IN SERVICE PARTS CATALOGUE
FOR CARRIER UNIVERSAL T-16.

The following are Engineering Revisions made to the T-16 after the printing of this catalogue:

<u>PAGE NO</u>	<u>FIGURE OR ITEM NO</u>	<u>ORD. PART NO</u>	<u>EFF. WITH VEH. NO</u>	<u>REPLACED BY</u>
46	05-1	D-70328	7270	Supplied in 2 pieces as D-70328A - Shroud, R.H. & D-70328D - Shroud L.H.
62	06-7	A-250472 Key J	6836	A-334048
62	06-7	A-250471 Key M	6836	B-259561
62	06-7	B-183176 Key K	6836	C-144824
71	07-2	BECC3L Key S	7017	A-414503

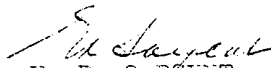
CORRECTIONS TO SERVICE PARTS CATALOGUE
CARRIER, UNIVERSAL T-16

Please make the following corrections:

<u>PAGE NUMBER</u>	<u>FIGURE OR ITEM NUMBER</u>	<u>ORD. PART NUMBER</u>
100	13-9	A-250116

CORRECTION

Key F of diagram should point to both Bearing Cone and Cup, which is A-250057, Bearing Assembly Complete. Delete letter G. In explanation delete Key letters G and H, and replace by Key letters H and L respectively. Add Key K - A-250111 - Tecalamite.


 E. B. SARGENT
 Captain, Ordnance Department
 Army Inspector of Ordnance

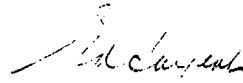


8 20
12 00
3 30
3 50
9 40
2 70
80
11 30
3 30
4 40
7 10
2 80

17 740

NET EFFECTIVE POINTS
 SERVICE PARTS CATALOGUE
 CARRIER, UNIVERSAL T-16

PAGE NO	FIGURE OR ITEM NO	ORD. PART NO	CHANGE EFFECTIVE POINT	
			FROM VEHICLE NO	TO VEHICLE NO
25	01-7	-----	8630	7269
26	017-B	A-250438	8630	7269
26	017-C	-----	6416	6415
27	01-8	-----	8630	7269
51	0601	D-70308	7000	8050
52	0601	D-70308	7000	8050
53	0601	D-70308	7000	8050
53	0601	7059468	7001	8051
54	0601	7059468	7001	8051
80	11-4	-----	8630	7269
80	11-5	A-334027	8631	7270
83	11-6	Key A	8631	7269
83	11-6	Key B	8630	7269
84	1109	A-414481	5701	5710
105	1815	C-124244	8630	7269
79	1104-A	All parts not used after vehicle 8630	8630	7269
81	1104-B	All parts effective with vehicle 8631	8631	7270



E. R. SARCENT

Captain - Ordnance Department
 Army Inspector of Ordnance

