

***RESTRICTED**
THE ORDNANCE CATALOG
STANDARD NOMENCLATURE LIST No. G-523

SERVICE PARTS CATALOG
FOR
MOTORCYCLE
CHAIN DRIVE, SOLO

==
HARLEY-DAVIDSON
MODEL WLA
==

SUPERSEDES

Parts formerly listed in TM 10-1174, dated 1 November 1941, TM 10-1176, dated 1 November 1941, TM 10-1482, dated 1 May 1942, TM 10-1482, dated 1 January 1943, are now included in this Service Parts Catalog.

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*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 1B b, AR 380-5, 28 September 1942.)

ORDNANCE DEPARTMENT

Washington, 30 October, 1943

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This Service Parts Catalog has been prepared under the direction of the Chief of Ordnance, with the cooperation of the Harley-Davidson Motor Co., for the information and guidance of all concerned.

L. H. CAMPBELL, JR.,
Major General, Chief of Ordnance

SNL G-523

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QUICK REFERENCE INDEX

GENERAL INFORMATION

ENGINE—PISTONS & OIL PUMPS

MUFFLERS & AIR CLEANERS

GENERATOR

CHAINS & SPROCKETS

TRANSMISSION & CLUTCH

FORKS & FRAME

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SADDLE & HANDLEBARS

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FENDERS & CHAINGUARDS

FRONT WHEEL & PARTS

RIMS & SPOKES

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WIRING & SWITCHES

HORN & HEADLIGHT PARTS

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BUDDY SEAT PARTS

FIGURE INDEX

NUMERICAL INDEX

ALPHABETICAL INDEX

SNL G-523

30 October 1943

GENERAL INFORMATION ON ORDNANCE CATALOG

This is a SERVICE PARTS CATALOG, covering all service parts for the chain drive solo Harley-Davidson motorcycle, designated as Model WLA. The U. S. Army is using 1940, 1941 and 1942 WLA Models. This catalog shows the parts used on each, and the interchangeability of parts for these models, and will be an aid in identifying parts. It will be supplemented by the following publications:

a. **ORGANIZATIONAL SPARE PARTS AND EQUIPMENT LIST, SNL G-523.** This is a list of the maintenance parts, tools, and equipment allotted to using troops for first and second echelon maintenance.

b. **ADDENDUM.** This is a list of the maintenance parts allotted to ordnance organizations for third, fourth, and fifth echelon maintenance and service of the major item. See OFSB 1-8 distribution).

ORDNANCE PROVISION SYSTEM

For full information relative to the Ordnance Provision System, see the Introduction to the Ordnance Catalog (IOC), the Ordnance Provision System Regulations (OPSR), and the Ordnance Publications for Supply Index (OPSI).

IMPORTANT

COMPONENTS OF ASSEMBLIES—Wherever any doubt might exist as to what parts are shipped as part of an assembly, an explanatory data is included indicating what those parts are.

ITEM STOCK NUMBERS—The Prefix Letter and Number of the Item Stock Number (i.e. G-104, G-103 or G-167) 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 will include the same Item Stock Number for this same part.

ORDERING PARTS—When ordering, include all Piece Marks, Drawing Numbers, Item Stock Numbers and Nomenclature shown for the part.

ILLUSTRATIONS—Exploded views are used throughout the book to aid in locating and identifying parts. Illustrations are placed as closely as possible to the groups to which they apply. In the rear of the book there is a Figure Index giving the plate numbers, the title, and the page on which each illustration is located.

CATALOG LAY-OUT

This Service Parts Catalog, covers the chain drive solo Harley-Davidson motorcycle, designated as Model WLA, as built by the Harley-Davidson Motor Co., Milwaukee, Wis. The catalog is arranged in sections as follows:

GENERAL INFORMATION—This section contains an explanation of the features of the catalog, including instructions and examples to be followed in locating parts. It also includes a list of manufacturer's symbols used for the name of the original manufacturer of a part and the proper Assembly Grouping as adapted to this catalog.

PARTS LIST OR TEXT SECTION—This section, which makes up the body of the book, lists all parts that are available for service, with complete description, grouped according to assemblies, and contains the plates, or figures, illustrating these parts. The parts information is tabulated in proper assembly order by noun name under the following column headings:

Figure Number (figure number on which the part is illustrated)

Ordnance and Item Stock Number

Standard Government Group Number

Manufacturer's Number

Item (complete description)

Quantity Required per Vehicle

FIGURE INDEX—This is a complete listing in numerical sequence of all figures or pictures in the catalog, with the full title of each figure.

ALPHABETICAL INDEX—This section contains a list of the parts, arranged in alphabetical order by noun name, followed by the description and the group and page number in which they are listed in the Text Section.

NUMERICAL INDEX SECTION—This section contains two separate and distinct numerical indexes: Item Stock Number Index and Part Number Index. The Item Stock Number Index lists the parts in Item Stock Number Sequence and is cross-referenced to the Standardized Government Group Number and page number. The part numbers in the Part Number Index, are cross-referenced to the Item Stock Number, Standardized Government Group Number and page number.

GENERAL INFORMATION

GROUPING

The grouping system as applied to this vehicle is listed on the following pages arranged by assembly groups in logical sequence. Each major group is broken down into various sub-groups for easier location and identification of the parts. A vertical quick reference index to each group is provided on the right hand margin of the title page, with a corresponding black thumb mark in the right hand margin of the first page of each group.

FIGURES

Figures throughout the body of the book are numbered consecutively. Each figure has the Part Number and name of each part listed directly on the figure.

ATTACHING PARTS

Attaching parts such as screws, bolts, nuts, washers, rivets, etc., are indented and listed immediately following the parts which they attach. This feature enables the user of this catalog to readily determine the attaching parts required in each instance.

HOW TO FIND THE CORRECT PARTS

There are several different ways in which the required parts may be located in this catalog by using the various indexes, figures and text. The following instructions will serve as a guide to the correct use of the catalog:

1. If only the description, or name, of the part is known—
 - a. Use the alphabetical index to determine the sub-group and page number in which it is listed, from its noun name and description.
 - b. Turn to the correct page shown in the alphabetical index and locate the part.
2. If only the location on the vehicle, or the function of the part is known—
 - a. Refer to the figures in the proper assembly group and find the figure on which the part is shown. Determine the part number, and noun from the figure.
 - b. Locate the part from its numerical position in list or text.
3. If the Item Stock Number, Ordnance Number or Manufacturer's part number is known—
 - a. Refer to the correct Numerical Index in the back of the catalog, according to which of the numbers is known.
 - b. Locate the part in the Text Section of the catalog from the Page Number given in the index.

EXAMPLE:

Let us say that a Handlebar is required. By referring to the proper Index of Assembly Groups, we find that the Handlebar is listed in a Sub Group under Frames, Tanks, and Guards. Turning to the page number given we look for the word Handlebar, as this is the noun name of the part. We determine the correct part to be identified by Manufacturer's Part Number HRD-3302-37AN HANDLEBAR, assembly.

This same part could have been located also by referring to the Figure Index, as the Handlebar is illustrated on Figure 26. By looking on the Illustration you will find the correct part number and name of part shown.

If the Item Stock Number, Ordnance Number or Manufacturer's Part Number is known, the proper numerical index may be used to find the group and page in which the part is listed. By turning to the correct page and locating the part, the correct and complete information will then be given.

MANUFACTURERS' IDENTIFICATION SYMBOLS

Complying with Ordnance Specifications, original Manufacturer's Name and Model, or Part Number is shown with the listing of each part that is not the exclusive product of the vehicle manufacturer.

SYMBOL	MANUFACTURER	ADDRESS
BLD	Baldwin-Duckworth Div. of Chain Belt Co.	Springfield, Mass.
BR	Briggs & Stratton Corp.	Milwaukee, Wisconsin
CL	Clum Mfg. Co.	601 W. National Ave., Milwaukee, Wisconsin
DCM	Diamond Chain & Mfg. Co.	Indianapolis, Indiana
GE	General Electric Co.	Schenectady, New York
GL	Guide Lamp Div. of General Motors Corp.	Anderson, Indiana
HRD	Harley-Davidson Motor Co.	Milwaukee, Wisconsin
OKS	Oakes Prod. Division of Houdaille-Hershey Corp.	North Chicago, Illinois
SV	Schrader's Son, A. (Div. of Scoville Mfg. Co., Inc.) 470 Vanderbilt Ave., Brooklyn, N. Y.	
TR	Torrington Co. (The)	Torrington, Conn.
HC	Cole-Hersee Co.	Boston, Mass.

INDEX OF ASSEMBLY GROUPS

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LIST OF ABBREVIATIONS

al.	aluminum	hp.	horsepower
alloy-S.	alloy steel	I.D.	inner diameter
amp.	ampere	in.	inch
anld.	annealed	lb.	pound
b-hd.	button-head	lgh.	length
br.	brass	lin ft.	linear foot or feet
bz.	bronze	lkg.	locking
c-pin.	cotter pin	mach.	machine
cd.	cadmium	M.I.	malleable iron
chamf.	chamfered	mm.	millimeter
chr.	chromium	mtg.	mounting
C. I.	cast iron	ni.	nickel
cir-mils.	circular mils	No.	number
ck-hd.	countersunk head	O.D.	outer diameter
cm.	centimeter	oz.	ounce
contd.	continued	ph-bz.	phosphor bronze
cop.	copper	pltd.	plated
corr-res-S.	corrosion-resistant-steel (stainless)	pt.	point
cp.	candlepower	rd-hd.	round head
diam.	diameter	rpm.	revolutions per minute
dld.	drilled	S.	steel
dld.f/c-pin.	drilled for cotter pin	s-fin.	semi-finished
f/	for	stght.	straight
fl-hd.	fillister head	sq-hd.	square-head
fin.	finished	thd.	thread
fl-hd.	flat head	thk.	thick
ft.	foot or feet	thkns.	thickness
hdls.	headless	w/	with
hex.	hexagonal	w/o	without
hex-hd.	hexagonal-head		