

TECHNICAL MANUAL

**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT
AND GENERAL SUPPORT
MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS INFORMATION
AND SUPPLEMENTAL
MAINTENANCE AND REPAIR PARTS INSTRUCTIONS)
TRACTOR, FULL TRACKED, LOW SPEED,
HEAVY DRAWBAR PULL, (SIZE T-1 1)
W/ANGLE DOZER, WINCH AND ROPS
CATERPILLAR MODEL D8K-8A-58 (CCE)
NSN 2410-00-574-7597
AND
W/BULLDOZER (SEMI-U-TILT), RIPPER
AND ROPS
CATERPILLAR MODEL D8K-8S-8 (CCE)
NSN 2410-00-574-7598**

HEADQUARTERS, DEPARTMENT OF THE ARMY

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21 JULY 1981

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 21 JULY 1981

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REPORTING OF ERRORS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Tank-Automotive Command, ATTN: DRSTA-MBS, Warren, MI 48090.

A reply will be furnished to you.

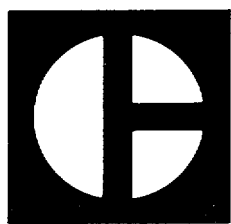
Chapters 1 through 6 and Appendixes A through P are contained in Volume 1

VOLUME II

CHAPTER	7.	REPAIR PARTS
Section	I.	D342 Vehicular Engine
Section	II.	D8K Tractor (D342 Engine)
Section	III.	D8k Tractor
	IV.	183B Hydraulic Control
	V.	Bulldozers (8A, 8S & 8U)
	VI.	58 & 59 Winch
	VII.	Ripper

This technical manual is an authentication of the manufacturers' commercial literature and does not conform with the format and content specified in AR310-3, Military Publications. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

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CATERPILLAR
PARTS
BOOK SECTION I.

D342
VEHICULAR
EN'GINE

SERIAL
NUMBERS
17S1-UP

QUICK REFERENCE CHARTS

USE THESE CHARTS TO RECORD FREQUENTLY USED MAINTENANCE INFORMATION

MACHINE SERIAL NO.

EQUIPMENT NO.

FREQUENTLY REPLACED ITEMS

PART NO.	PART NAME

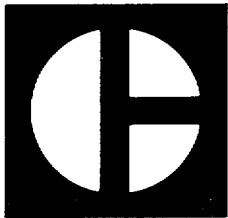
FLUIDS & LUBRICANTS

WHERE USED	TYPE	AMOUNT

OTHER MAINTENANCE ITEMS

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PARTS BOOK

**D342
VEHICULAR ENGINE**

SERIAL NUMBER
17S1 -UP

PUBLISHED SEPTEMBER 1974
CATERPILLAR TRACTOR CO.
PUBLICATIONS DIV.-SERVICE G.O.
PEORIA, ILL. USA
COMPILED BY DOROTHY MOSES

CENTRAL STRUCTURE
UPPER STRUCTURE
FRONT STRUCTURE
REAR STRUCTURE
LOWER STRUCTURE
LUBRICATION SYSTEM
COOLING SYSTEM
INTAKE & EXHAUST SYSTEM
FUEL SYSTEM & GOVERNOR
ELECTRICAL SYSTEM
SERVICE EQUIPMENT & SUPPLIES

ORDERING Quality Caterpillar Replacement parts are available from Caterpillar dealers PARTS throughout the world. Their parts stocks are up to date and include all parts normally required to protect your investment in Caterpillar machines.

When ordering parts, always use the Parts Book covering the serial number of your machine. Your order should specify the quantity, part number, part name and show the machine serial number for which the parts are needed. If in doubt about the part number, please provide your dealer with a complete description of the Serial Number Plate is Located needed item.

HOW TO USE THE Caterpillar Parts Books PARTS BOOK include illustrations of the groups or assemblies which make up the machine. These illustrations show the standard components of the machine plus many of the attachments available for the machine.

The alphabetical index located in the front part of the book should be used to determine the page number on which specific illustrations are shown. Reference to those pages will identify each of the individual serviceable parts.

Captions

The caption under each illustration identifies the part number and name of the group or assembly shown. If more than one illustration is included for any group, the caption identifies the specific machine serial numbers to which each illustration applies. In some cases it is not possible to determine the specific machine serial numbers to which different illustrations are applicable. In those cases the caption identifies the illustration as "First Type", "Second Type", etc. Reference to the actual group or assembly is necessary in those cases to determine which illustration should be used.

Captions provide additional information such as page numbers where illustrations of sub assemblies are shown, information regarding quantities used and other information intended to assist the user in determining parts needs.

ENGINE MODEL	
SERIAL NUMBER	
GIVE ALL NUMBERS IN ALL COMMUNICATIONS	
ARRANGEMENT NUMBER	
MODIFICATION NUMBER	

Indented Part Names

Within each illustration is a parts list identifying each serviceable part in the illustration. When a part name is indented in this list, it means that serviceable item is a part of the serviceable item under which it is indented.

Abbreviations and Symbols

△	Used to call attention to additional
•	information shown elsewhere with in the illustration.
R.H.	Right Hand Refers to the side of the
L.H,	Left Hand machine as viewed from the operator's compartment.
C	Indicates changes from the previous illustration of the same group or assembly.
O. D.	Outside Diameter
I.D.	Inside Diameter
N/S	Not Serviced
Assem.	Assembly
in.	Inch
ft	Foot
cm	Centimeter
dm	Decimeter

Note:

Continuing improvement and advancement of product design may cause changes to your machine which may not be included in this publication. Each publication is reviewed and revised, as required, to update and include these changes in later editions.

Whenever a question arises regarding your Caterpillar product, or this publication, please consult your Caterpillar dealer for the latest available information.

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