

TECHNICAL MANUAL

**UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT
REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS)**

**ROLLER, VIBRATORY, SELF-PROPELLED,
Types I & III**

CATERPILLAR MODEL CS-433C

**NSN 3895-01-456-2733 (Type I)
NSN 3895-01-456-2734 (Type III)**

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Approved for public release;
distribution is unlimited.

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GENERAL INFORMATION

1. MACHINE IDENTIFICATION

Caterpillar machines are identified by Product Information Numbers (PIN). Some components included in a machine may be identified by Serial Numbers (S/N). Typical components that will be serialized include engines, transmissions, bulldozers, and rippers. The machine and engine are further identified by arrangement numbers and in some cases modification numbers. These numbers are shown on the product identification plate(s) and on the master plate in the operator's compartment.

Caterpillar dealers need all of these numbers to determine accurate parts identification.

2. ORDERING PARTS

WARNING

When replacement parts are required for this product Caterpillar recommends using Caterpillar replacement parts or parts with equivalent specifications including, but not limited to, physical dimensions, type, strength and material.

Failure to heed this warning can lead to premature failures, product damage, personal injury or death.

Quality Caterpillar replacement parts are available from Caterpillar dealers throughout the world. Their parts inventories are up to date and include all parts normally required to protect your investment in Caterpillar machines. Dealers may offer repair kits or remanufactured parts to allow selection of the most effective repair alternative for a particular situation. When ordering parts, your order should specify the quantity, part number, part name, and the serial number/product identification number of the machine for which the parts are needed.

3. PARTS MANUAL ORGANIZATION

Product information in this manual is presented as "information elements" that represent all of the components for the specific model. Engine Arrangement and Seat Group are examples of information elements. The information elements are organized alphabetically by part name and secondarily by part number within each major section of the manual.

4. TABLE OF CONTENTS



New Feature

A table of contents (TOC) is found at the beginning of the manual. The TOC lists each section of the manual with a complete list of all information elements organized as they appear in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

5. MAINTENANCE PARTS INDEX

The Maintenance Parts Index, located near the beginning of the manual, references most frequently used maintenance part numbers, providing description, quantity, usage and page number. This information is organized alphabetically by part description.

6. INDEX

The index located near the front of the manual is an alphabetical listing of all information elements included in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

7. PART NUMBER INDEX

A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

8. CAPTIONS

Captions located at the top of each page of an information element identify the part number and part name along with additional descriptive information. PIN and S/N information found in each caption should be used to select correct information for a specific machine. Field replacement options, identification of optional attachment components, and where used ("part of") information is also provided.



New Feature

The first line of a caption is shown in larger type font to indicate the beginning of an information element. Captions for additional pages that may be required to illustrate an information element will be shown in standard type font and will include the term "(contd.)".

GENERAL INFORMATION

9. NON-SERVICED PARTS



New Feature

In some instances it is necessary to display non-serviced parts that are a link to a lower level serviceable consist lists. These non-serviced part numbers are shown in *italic* type indicating that they are not available.

NOTE: Continuing improvement and advancement of product design may cause changes to your machine which may not be included in this publication. Whenever a question arises regarding your Caterpillar product or this publication, please consult your Caterpillar dealer for the latest available information.

10. PARTS LIST REFERENCE NUMBERS



New Feature

Numbers shown in the Ref No column correspond to numbers used in the associated graphic(s). An alphabetic suffix may be added to a reference number to identify lower level consist items. Numbers shown in the Graphic Ref column refer to the graphic number identifier displayed in the lower left corner of each illustration. The Graphic Ref number may be used in combination with the item Ref No to determine the correct part number. There may be intentional omission of a Ref No in a consist list as information is updated to reflect the latest serviceable part numbers.

11. INDENTED PART NAMES

When a part name is indented in a parts list, it is part of (included in) the group or assembly under which it is indented.

12. ILLUSTRATION REFERENCE LETTERS

When necessary, illustrations contain reference letters (A, B, C etc.) that are intended to track lines and harnesses from one point to another. They are also used to show where to reconnect illustrations that have been separated.

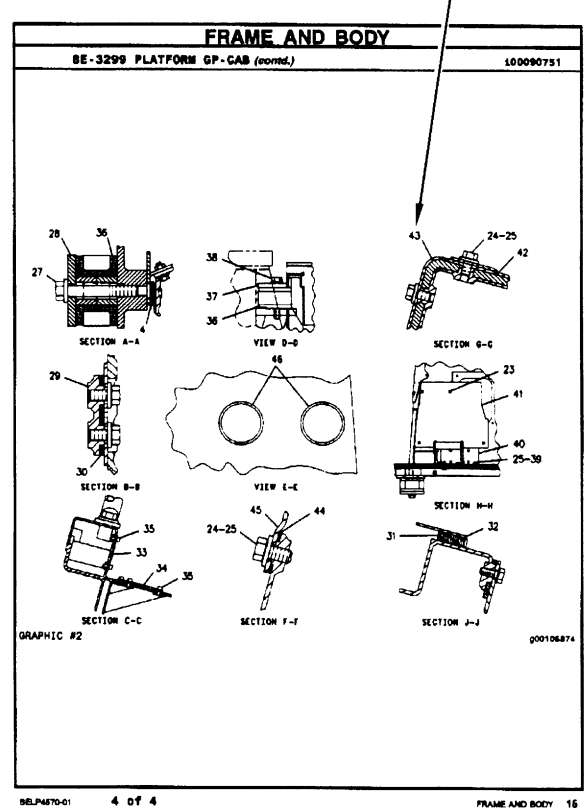
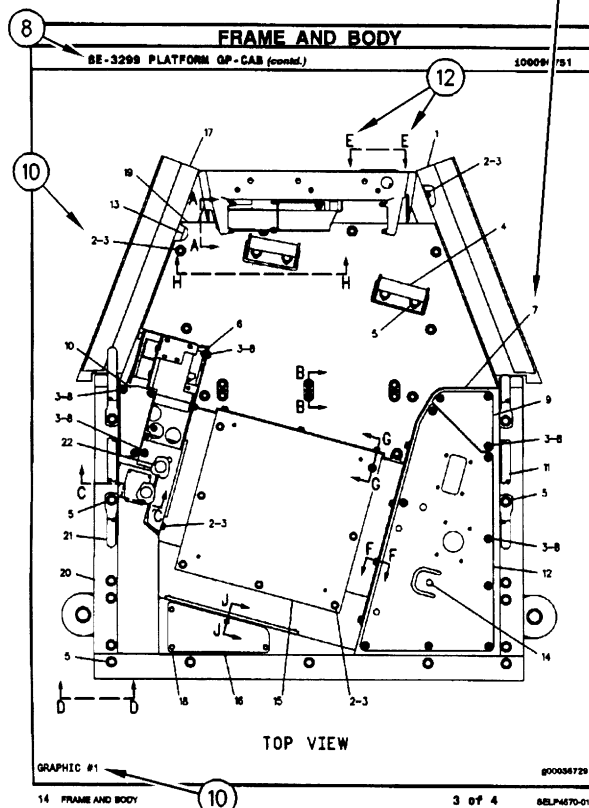
13. ABBREVIATIONS AND SYMBOLS

- O.D.** - Outside Diameter
- I.D.** - Inside Diameter
- A** - Not Part Of This Group
- B** - Use As Required
- C** - Change From Previous Type
- D** - Order By The Meter
- E** - Order By The Centimeter
- F** - Not Shown
- G** - Order By The Inch
- I** - See Hose Fabrication Guide
- M** - Metric Part
- R** - Remfg. Part May Be Available
- Y** - Separate Illustration
- Z** - Not Serviced Separately

GENERAL INFORMATION

8 FRAME AND BODY					
SE-3299 PLATFORM GP-CAB					
PIN 38X1-00000					
100000751					
NOTE	REF NO	GRAPHIC	PART NUMBER	QTY	PART NAME
					SEE PAGE
	1	1	37-2063	1	PLATE AS
	2	1	38-2008	20	BOLT (3/8-16X.750IN)
	3	1	37-1078	41	WASHER-HARD (3MM THK)
	4	1	37-1064	2	SUPPORT AS-FOOT
	5	1	37-2008	19	BOLT (1/2-13X1IN)
	6	1	37-2008	18	WASHER-HARD (4MM THK)
	7	1	38-2130	1	COVER AS-LH
	8	1	37-2073	4	NUT-BELD (3/8-16 THD)
	9	1	17-2100	1	CLIP
	10	1	78-2411	4	COVER
	11	1	37-2008	18	ROCKET-HEAD (3/8-16X.875IN)
	12	1	37-2073	1	COVER
	13	1	37-2073	1	COVER
	14	1	37-2073	1	COVER
	15	1	37-2073	1	COVER
	16	1	37-2073	1	COVER
	17	1	37-2073	1	COVER
	18	1	37-2073	1	COVER
	19	1	37-2073	1	COVER
	20	1	37-2073	1	COVER
	21	1	37-2073	1	COVER
	22	1	37-2073	1	COVER
	23	1	37-2073	1	COVER
	24	1	37-2073	1	COVER
	25	1	37-2073	1	COVER
	26	1	37-2073	1	COVER
	27	1	37-2073	1	COVER
	28	1	37-2073	1	COVER
	29	1	37-2073	1	COVER
	30	1	37-2073	1	COVER
	31	1	37-2073	1	COVER
	32	1	37-2073	1	COVER
	33	1	37-2073	1	COVER
	34	1	37-2073	1	COVER
	35	1	37-2073	1	COVER
	36	1	37-2073	1	COVER
	37	1	37-2073	1	COVER
	38	1	37-2073	1	COVER
	39	1	37-2073	1	COVER
	40	1	37-2073	1	COVER

FRAME AND BODY					
SE-3299 PLATFORM GP-CAB (cont'd.)					
100000751					
NOTE	REF NO	GRAPHIC	PART NUMBER	QTY	PART NAME
					SEE PAGE
	41	2	37-2063	1	COVER
	42	2	77-2134	1	PLATE
	43	2	77-2139	1	SAFETY
	44	2	78-2724	1	SAFETY
	45	2	78-2723	1	COVER
	46	2	87-1068	2	PLUG-BUTTON
H-METRIC PART					



REPAIR ALTERNATIVES

REMANUFACTURED COMPONENTS

As an option when making repairs consider Caterpillar Remanufactured Components. Components that are available through the Caterpillar Remanufactured Program are identified three ways in the parts book:

- with the letter R in the note field of the parts list
- with an R* at the beginning of the first line of the caption
- with an *R at the end of the first line of the caption

Typical components included in the Remanufactured Program include:

ALTERNATORS
CONNECTING RODS
CRANKSHAFTS - UNDERSIZE
CRANKSHAFTS - UPGRADE TO NEW
CYLINDER HEADS
ELECTRONIC CONTROL MODULES (ECM)
ELECTRONIC SENSORS
FUEL INJECTORS
FUEL NOZZLES
FUEL PUMPS
GOVERNORS
OIL PUMPS
PISTONS
SHORT BLOCKS
STARTERS
TURBOCHARGERS - COMPLETE
TURBOCHARGER CARTRIDGES
WATER PUMPS

Caterpillar Remanufactured engines for many engine arrangements are also available.

HYDRAULIC HOSES

Hydraulic hoses are assembled with reusable fittings. Repair of hydraulic hoses may be done by qualified personnel with proper tools. Hydraulic hoses may be repaired by your local Caterpillar Dealer.