

200CLC, 230CLC and 270CLC Excavator

OPERATOR'S MANUAL 200CLC, 230CLC and 270CLC Excavator

OMT187348 Issue B4 (ENGLISH)

CALIFORNIA
Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

If this product contains a gasoline engine:

 **WARNING**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

The State of California requires the above two warnings.

**Worldwide Construction
And Forestry Division**
LITHO IN U.S.A.

Introduction

Introduction

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage. This manual and safety signs on your machine may also be available in other languages. (See your authorized dealer to order.)

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction of forward travel.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Machine Numbers Section. Accurately

record all the numbers to help in tracing the machine should it be stolen. Your dealer also needs these numbers when you order parts. File the identification numbers in a secure place off the machine.

WARRANTY is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

TX03679,0001789 -19-24OCT01-1/1

Emissions Control Warranty Statement

EMISSIONS CONTROL WARRANTY STATEMENT FOR NEW JOHN DEERE CONSTRUCTION EQUIPMENT (U.S. AND CANADA)

To determine if the engine in your machine qualifies for the additional warranties set forth below, look for the "Engine Information" label located on your engine. If you reside in the United States and the engine label states: "Engine conforms to US EPA regulations on heavy duty non road diesel cycle engines," you are entitled to the "U.S. Emission Control Warranty Statement." If you reside in California, and the engine label states: "Engine conforms to California regulations on heavy duty non road diesel cycle engines," you are entitled to the "California Emission Control Warranty Statement."

U.S. EPA EMISSIONS CONTROL WARRANTY STATEMENT

Emissions control-related parts and components are warranted by John Deere for five years or 3000 hours of operation, whichever occurs first. John Deere further warrants that the engine covered by this warranty was designed, built, and equipped so as to conform at the time of sale with all U.S. emissions standards at the time of manufacture, and that it is free of defects in materials and workmanship which would cause it not to meet these standards within the period of five years or 3000 hours of operations, whichever occurs first.

Warranties stated on this certificate refer only to emissions-related parts and components of your engine. The complete machine warranty, less emissions-related parts and components, is provided separately as "John Deere "Secure Warranty" For New Construction Products."

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board (CARB) and John Deere are pleased to explain the emission control system on your new engine. In California, new heavy-duty engines must be designed, built and equipped to meet the State's stringent anti-smog standards. John Deere must warrant the emission control system on your engine for the periods of time listed below provided there has been no abuse, neglect, or improper maintenance of your machine.

Your emissions control system includes:

Fuel Metering System
Fuel Injection System

Air Induction System
Intake Manifold
Turbocharger System
Charge Air Cooling System

Miscellaneous Items used in Above Systems

Where a warrantable condition exists, i.e. failure due to defect in John Deere-supplied material and/or workmanship, John Deere will repair your heavy-duty engine at no cost to you including diagnosis, parts and labor

JOHN DEERE'S WARRANTY COVERAGE:

The emission control system of your heavy-duty engine is warranted for five years or 3000 hours of operation, whichever occurs first. If any emission-related part on your engine is defective, the part will be repaired or replaced by John Deere. Warranties stated on this certificate refer only to emissions-related parts and components of your engine. The complete machine warranty, less emissions-related parts and components, is provided separately as the "John Deere "Secure Warranty" For New Construction Products."

OWNER'S WARRANTY RESPONSIBILITIES:

As the heavy-duty engine owner, you are responsible for the performance of the required maintenance as outlined in the

Operator's Manual. John Deere recommends that you retain all receipts covering maintenance on your heavy-duty engine, but John Deere cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

However, as the heavy-duty engine owner, you should be aware that John Deere may deny your warranty coverage if your heavy-duty engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

Your engine is designed to operate on diesel fuel only. Use of any other fuel may result in your engine no longer operating in compliance with California's emissions requirements.

You are responsible for initiating the warranty process. The CARB suggests that you present your machine to the nearest authorized John Deere dealer as soon as a problem is suspected. The warranty repairs should be completed by the service dealer as expeditiously as possible.

If you have any questions regarding your warranty rights and responsibilities, you should contact John Deere at 1-319-292-5400, or the State of California Air Resources Board, Mobile Source Operation Division, PO Box 8001, El Monte, CA 91731-2900

The warranty period begins on the date the machine is delivered to an ultimate purchaser, or when otherwise put into service. John Deere warrants to the ultimate purchaser and each subsequent purchaser that the engine is designed, built and equipped so as to conform with all applicable regulations adopted by the Air Resources Board, and that it is free from defects in materials and workmanship which would cause the failure of a warranted part.

Any warranted part which is scheduled for replacement as required maintenance by the operator's manual is warranted by John Deere for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement point, the part shall be repaired or replaced under warranty. Any such part repaired or replaced under warranty is warranted for the remainder of the period prior to the first scheduled replacement point for that part.

Any warranted part which is not scheduled for replacement as required maintenance, or which is scheduled only for regular inspection to the effect of repairing or replacing as necessary, is warranted for the warranty period.

Repair or replacement of a warranted part will be performed at no charge to you by an authorized John Deere dealer. You will not be charged for diagnostic labor which leads to the determination that a warranted part is defective, if the diagnostic work is performed by a John Deere dealer.

John Deere is liable for damages to other engine components caused by failure under warranty of any warranted part.

John Deere is NOT liable for travel or mileage on extended emissions warranty service calls.

Any replacement part may be used in the performance of any maintenance or repairs, and such use will not reduce the warranty obligations of John Deere. However, the use of add-on or modified parts are grounds for disallowing a warranty claim.

Technical Information Feedback Form

We need your help to continually improve our technical publications. Please copy this page and FAX or mail your comments, ideas and improvements.

SEND TO: John Deere Dubuque Works
P.O. Box 538
Attn: Publications Supervisor, Dept. 303
Dubuque, IA 52004-0538

FAX NUMBER: 563-589-5800

Ideas, Comments (Please State Page Number): _____

OVERALL, how would you rate the quality of this publication? (Check one)

	Poor		Fair		Good		Very Good		Excellent
1	2	3	4	5	6	7	8	9	10

Company Name: _____

Technician Name: _____

Address: _____

Phone: _____

Fax No.: _____

Dealer Acct. No.: _____

THANK YOU!

Contents

	Page		Page
Safety—Safety Features		Operation—Operator's Station	
Safety Features	1-1-1	Pedals, Levers, And Panels	2-1-1
Safety—General Precautions		Monitor Panel	2-1-1
Recognize Safety Information	1-2-1	Monitor Panel Functions	2-1-2
Follow Safety Instructions	1-2-1	Front Switch Panel	2-1-3
Operate Only If Qualified	1-2-1	Front Switch Panel Functions	2-1-4
Wear Protective Equipment	1-2-2	Rear Switch Panel	2-1-5
Avoid Unauthorized Machine Modifications	1-2-2	Horn	2-1-5
Add Cab Guarding For Special Uses	1-2-2	Power Boost Switch	2-1-5
Inspect Machine	1-2-3	Pilot Control Shut-Off Lever	2-1-6
Stay Clear Of Moving Parts	1-2-3	Travel Alarm And Travel Alarm Cancel Switch	2-1-6
Avoid High-Pressure Fluids	1-2-3	Cab Heater And Air Conditioner	2-1-7
Beware Of Exhaust Fumes	1-2-4	Operating The AM/FM Radio	2-1-9
Prevent Fires	1-2-4	Secondary Exit Tool	2-1-9
Prevent Battery Explosions	1-2-4	Opening Upper Front (Secondary Exit) Window	2-1-9
Handle Chemical Products Safely	1-2-5	Removing And Storing The Lower Front Window	2-1-10
Dispose Of Waste Properly	1-2-5	Opening Side Windows	2-1-11
Prepare For Emergencies	1-2-5	Opening And Closing The Roof Exit Cover	2-1-12
Safety—Operating Precautions		Adjusting The Seat	2-1-13
Use Steps And Handholds Correctly	1-3-1	Seat Belt	2-1-14
Start Only From Operator's Seat	1-3-1	Operation—Operating The Machine	
Use And Maintain Seat Belt	1-3-1	Before Starting Work	2-2-1
Prevent Unintended Machine Movement	1-3-2	Operator's Daily Machine Check Before Starting	2-2-1
Avoid Work Site Hazards	1-3-2	Starting Engine	2-2-2
Keep Riders Off Machine	1-3-3	Cold Weather Warm-Up	2-2-4
Avoid Backover Accidents	1-3-3	Using Booster Batteries—24 Volt System	2-2-5
Avoid Machine Tip Over	1-3-4	Travel Pedals And Levers	2-2-6
Use Special Care When Lifting Objects	1-3-4	Control Lever Pattern Operation	2-2-7
Add And Operate Attachments Safely	1-3-5	Control Lever Pattern Conversion	2-2-8
Safety—Maintenance Precautions		Operating In Water And Mud	2-2-9
Park And Prepare For Service Safely	1-4-1	Driving Up A Steep Or Slippery Slope	2-2-10
Service Cooling System Safely	1-4-1	Lifting	2-2-10
Remove Paint Before Welding or Heating	1-4-2	Lower Boom With Engine Stopped	2-2-11
Make Welding Repairs Safely	1-4-2	Parking the Machine	2-2-12
Drive Metal Pins Safely	1-4-3	Loading And Unloading For Transport	2-2-13
Safety—Safety Signs			
Safety Signs	1-5-1		

Continued on next page

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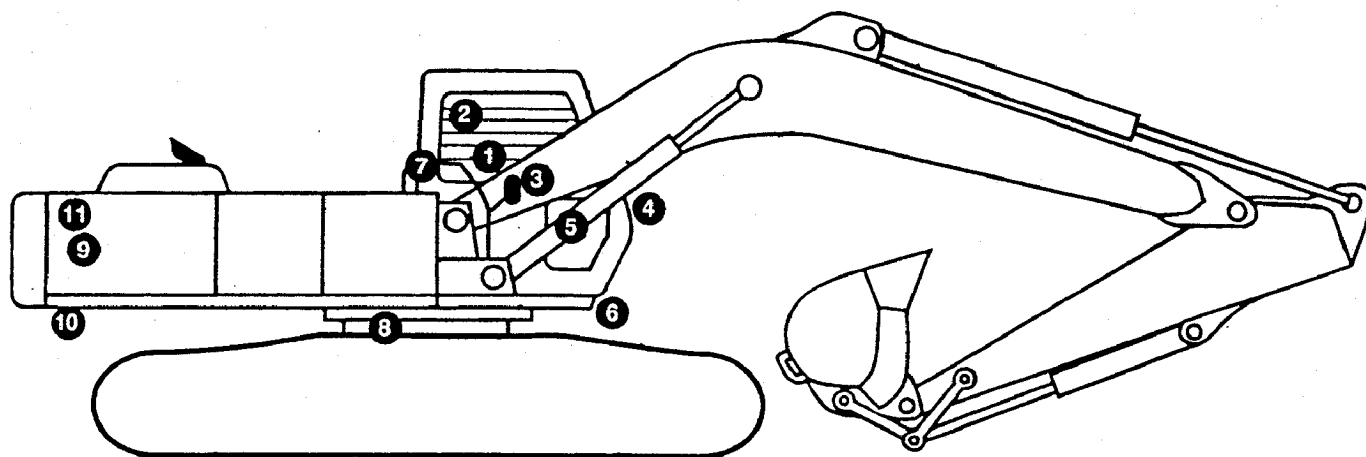
Page	Page		
Towing Machine	2-2-14		
Lifting the Machine	2-2-14		
Maintenance—Machine		Maintenance—Every 250 Hours	
Diesel Fuel	3-1-1	Check Swing Gearbox Oil Level	3-6-1
Low Sulfur Diesel Fuel Conditioner	3-1-1	Drain Hydraulic Tank Sump	3-6-1
Dieselscan Fuel Analysis	3-1-2	Check Pump Drive Gearbox Oil Level	3-6-2
Handling And Storing Diesel Fuel	3-1-2	Check Radiator Coolant Level	3-6-2
Alternative And Synthetic Lubricants	3-1-2	Check Battery Electrolyte Level and Terminals	3-6-3
Engine Break-In Oil	3-1-3	Check Propel Gearbox Oil Level	3-6-5
Diesel Engine Oil	3-1-4	Clean or Replace Dusty Primary Element	3-6-6
Hydraulic Oil	3-1-5	Maintenance—Every 500 Hours	
Swing Gearbox And Propel Gearbox Oils	3-1-6	Grease Working Tool Pivots	3-7-1
Pump Gearbox Oil	3-1-6	Grease Swing Bearing	3-7-2
Track Adjuster, Working Tool Pivot, Swing Bearing, And Swing Bearing Gear Grease	3-1-7	Grease Swing Bearing Gear	3-7-3
Maintenance—Periodic Maintenance		Replace Water Separator	3-7-4
Service Your Machine At Specified Intervals	3-2-1	Replace Final Fuel Filter	3-7-4
Check The Hour Meter Regularly	3-2-1	Change Engine Oil And Replace Filter	3-7-4
Prepare Machine For Maintenance	3-2-1	Check Air Intake Hoses	3-7-5
Open Access Doors For Service	3-2-2	Maintenance—Every 1000 Hours	
Open Engine Hood For Service	3-2-2	Change Swing Gearbox Oil	3-8-1
Fuel Tank	3-2-3	Replace Hydraulic Tank Oil Filter	3-8-1
Hydraulic Breaker And Crusher Attachments	3-2-3	Replace Pilot System Oil Filter	3-8-2
Maintenance And Repair Record Keeping System	3-2-4	Change Pump Drive Gearbox Oil	3-8-4
OILSCAN Plus, [®] CoolScan Plus [®] And 3-Way Coolant Test Kit	3-2-5	Clean The Engine Crankcase Ventilation Tube	3-8-4
Periodic Maintenance Record Keeping System	3-2-6	Inspect Fan Belt	3-8-5
Maintenance—As Required		Replace Air Cleaner Elements	3-8-6
Clean Fuel Tank Inlet Screen	3-3-1	Replace Air Cleaner Dust Valve	3-8-6
Drain Fuel Tank Sump	3-3-1	Maintenance—Every 2000 Hours	
Drain Water Separator	3-3-2	Drain Cooling System	3-9-1
Bleed Fuel System	3-3-2	Diesel Engine Coolant	3-9-2
Clean Radiator Air Inlet Screen	3-3-2	Cooling System Fill And Deaeration Procedure	3-9-3
Clean Air Cleaner Dust Unloader Valve	3-3-3	Adjust Engine Valve Clearance	3-9-3
Windshield Washer Fluid Level	3-3-3	Change Propel Gearbox Oil	3-9-4
Check And Adjust Track Sag	3-3-4	Maintenance—Every 4000 Hours	
Maintenance—Every 10 Hours or Daily		Change Hydraulic Tank Oil, Clean Suction Screen	3-10-1
Check Engine Oil Level	3-4-1	Miscellaneous—Machine	
Check Recovery Tank Coolant Level	3-4-2	Do Not Service Or Adjust Injection Nozzles Or Injection Pump	4-1-1
Check Hydraulic Tank Oil Level	3-4-3	Do Not Service Control Valves, Cylinders, Pumps Or Motors	4-1-1
Maintenance—Every 100 Hours		Precautions For Alternator And Regulator	4-1-1
Grease Working Tool Pivots	3-5-1	Diagnostic Display Unit (DDU) Operation	4-1-2
Change Engine Break-in Oil And Replace Filter	3-5-1	Engine Service Codes	4-1-8

Continued on next page

	Page		Page
Handling, Checking And Servicing Batteries		230CLC Lift Capacity—KG (LB)	4-6-17
Carefully	4-1-10	270CLC Engine Specifications	4-6-23
Using Battery Charger	4-1-11	270CLC Drain and Refill Capacities	4-6-23
Replacing Batteries	4-1-12	270CLC Machine Specifications	4-6-24
Welding On Machine	4-1-12	270CLC Working Ranges	4-6-26
Clean The Machine Regularly	4-1-12	270CLC Lift Capacity—KG (LB)	4-6-28
Adding 12—Volt Accessories	4-1-13		
Replacing Fuses.	4-1-14		
Replacing Bucket Teeth	4-1-15		
Replacing Bucket Tooth Tip—			
Heavy-Duty Bucket	4-1-16		
Adjusting Bucket To Arm Joint	4-1-16		
Removing The Bucket	4-1-17		
Track Sag General Information	4-1-18		
Check Track Shoe Hardware	4-1-19		
Unified Inch Bolt And Cap Screw Torque			
Values.	4-1-20		
Metric Bolt And Cap Screw Torque Values. . .	4-1-21		
Miscellaneous—Operational Checkout			
Operational Checkout.	4-2-1		
Operator Station Checks—Key Switch On,			
Engine Off.	4-2-1		
Operator Station Checks—Engine On	4-2-2		
Miscellaneous Checks	4-2-9		
Miscellaneous—Troubleshooting			
Using Troubleshooting Charts	4-3-1		
Engine	4-3-2		
Electrical System	4-3-6		
Hydraulic System	4-3-9		
Miscellaneous—Storage			
Prepare Machine For Storage	4-4-1		
Miscellaneous—Machine Numbers			
Record Product Identification Number (PIN) . . .	4-5-1		
Record Engine Serial Number	4-5-1		
Record Propel Motor Serial Numbers	4-5-1		
Record Swing Motor Serial Number	4-5-1		
Keep Proof of Ownership	4-5-2		
Keep Machines Secure	4-5-2		
Miscellaneous—Specifications			
200CLC Engine Specifications	4-6-1		
200CLC Drain And Refill Capacities	4-6-1		
200CLC Machine Specifications	4-6-2		
200CLC Working Ranges	4-6-4		
200CLC Lift Capacity—KG (LB)	4-6-6		
230CLC Engine Specifications	4-6-12		
230CLC Drain And Refill Capacities	4-6-12		
230CLC Machine Specifications	4-6-13		
230CLC Working Ranges	4-6-15		

Safety—Safety Features

Safety Features



T140544

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Please remember that the operator is the key to preventing accidents.

- 1. Seatbelt.** A seatbelt is provided for the operator.
- 2. Window Guarding.** Window bars prevent contact with a moving boom.
- 3. Rearview Mirrors.** Rearview mirrors offer the operator a view of activity behind him.
- 4. Secondary Exit.** The front window provides a large exit path if the cab door is blocked in an emergency situation. A secondary exit tool is also provided.
- 5. Pilot Control Shut-off.** A lever near the cab exit reminds the operator to deactivate hydraulic functions before leaving the machine.
- 6. Steps.** Wide, slip-resistant steps make entry and exit easier. Steps also provide a place to clean shoes.

7. Handholds. Large, conveniently placed handholds make it easy to enter or exit the operator's station or service area.

8. Swing Brake. Swing brake engages automatically when the swing is not operated. Helps secure upperstructure when transporting the machine.

9. Bypass Start Protection. Shielding over the starter helps prevent dangerous bypass starting.

10. Travel Alarm. Alerts bystanders of machine movement when propelling.

11. Engine Fan Guard. A secondary fan guard inside the engine compartment helps prevent contact with the engine fan blades.

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Safety—General Precautions

Recognize Safety Information

This is the safety alert symbol. When you see this symbol on your machine or in this manual, be alert for the potential of personal injury.

Follow the precautions and safe operating practices highlighted by this symbol.

A signal word — DANGER, WARNING, or CAUTION — is used with the safety alert symbol. DANGER identifies the most serious hazards.

On your machine, DANGER signs are red in color, WARNING signs are orange, and CAUTION signs are yellow. DANGER and WARNING signs are located near specific hazards. General precautions are on CAUTION labels.



T133555 -JUN-28AUG00

T133588 -19-28AUG00

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Follow Safety Instructions

Read the safety messages in this manual and on the machine. Follow these warnings and instructions carefully. Review them frequently.

Be sure all operators of this machine understand every safety message. Replace operator's manual and safety labels immediately if missing or damaged.



T133556 -JUN-24AUG00

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Operate Only If Qualified

Do not operate this machine unless you have read the operator's manual carefully and you have been qualified by supervised training and instruction.

Familiarize yourself with the job site and your surroundings before operating. Try all controls and

machine functions with the machine in an open area before starting to work.

Know and observe all safety rules that may apply to your work situation and your work site.

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