

JD555 CRAWLER LOADER



JOHN DEERE

OPERATORS MANUAL JD555 CRAWLER LOADER

OMT70878 G0 English

JOHN DEERE DUBUQUE WORKS
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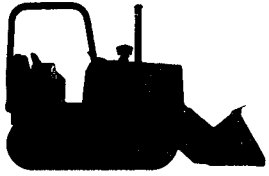
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To the Operator

Operating personnel can learn how to correctly operate and service the crawler loader by carefully reading this manual.

 This safety symbol is used for important safety messages. When you see this symbol, follow the safety message to avoid personal injury.

General safety rules are on pages 3 and 4.


Operation safety rules are on page 13.


Service safety rules are on page 30.

Read all of the safety rules in this manual before operating or performing maintenance on this crawler loader.

Left side, right side, front and rear of crawler loader are viewed by facing in direction of forward travel.

Three types of arrows are used in this manual:

1. Identification 

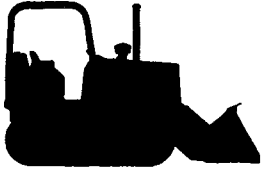
2. Rotation 

3. Change of Direction 

U.S. units of measure are shown with the metric equivalents in this manual.

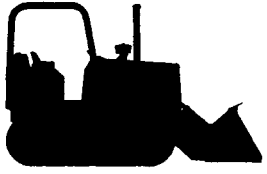
Write your crawler loader serial numbers on page 68.





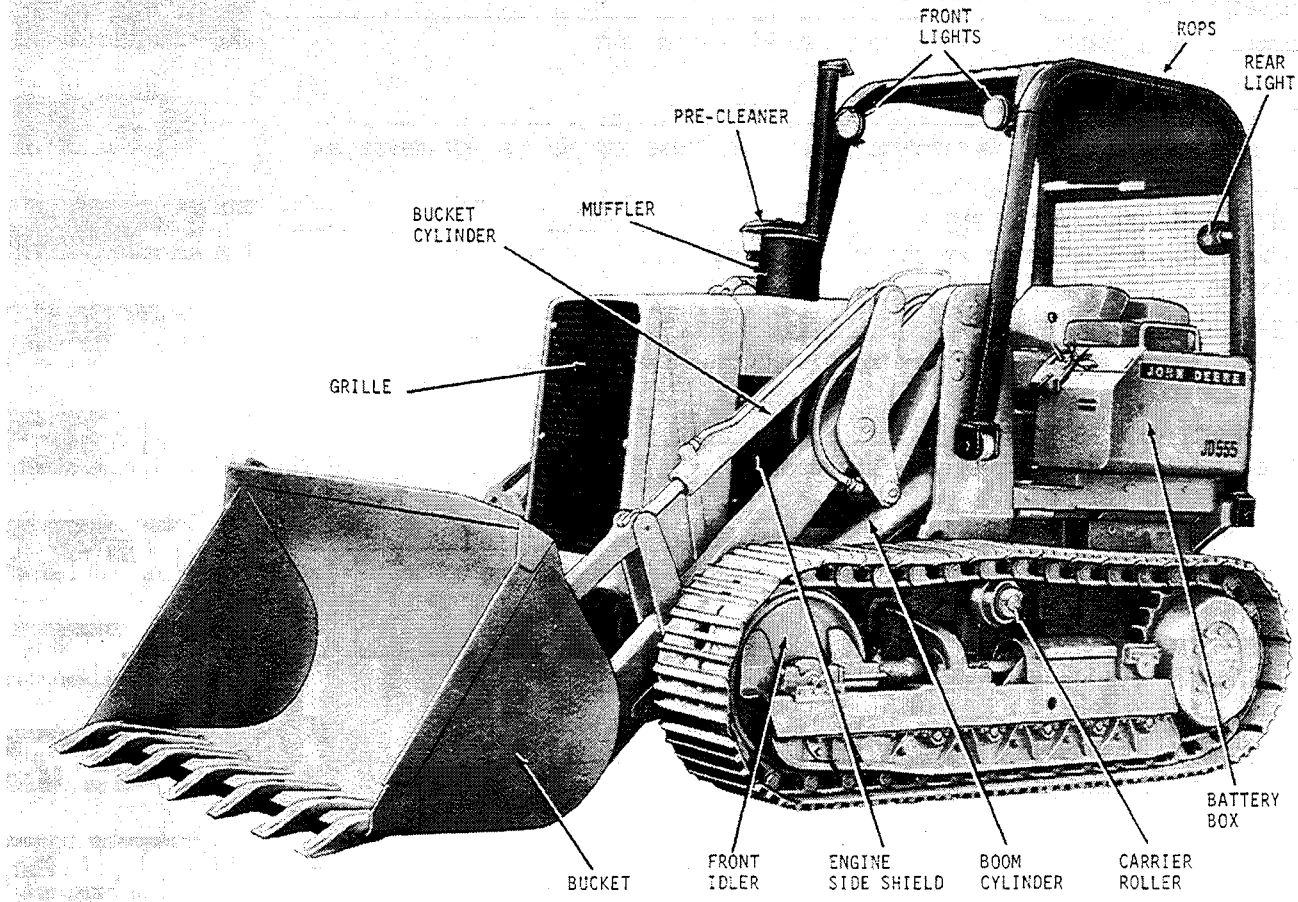
Contents

COMPONENTS _____ Become familiar with major machine parts before operation.	1
GENERAL SAFETY RULES _____ All persons working on this machine should read these important safety messages.	2
CONTROLS AND INSTRUMENTS _____ Instruments and indicators are shown. Control positions are shown with working positions.	3
OPERATION SAFETY RULES _____ Follow these cautions when operating this machine to avoid personal injury.	4
PRE-START INSPECTION _____ Walk-around checks for preventive maintenance.	5
OPERATION _____ Starting and stopping procedures, break-in, towing, cab accessories, optional equipment, and adjustments.	6
TRANSPORTING _____ Loading, tie-down and unloading procedures.	7
FUELS AND LUBRICANTS _____ Fuel and lubricant specifications.	8
SERVICE SAFETY RULES _____ Follow these safety rules during periodic service or general maintenance.	9
PERIODIC SERVICE _____ A chart giving service intervals . . . and specific information on each item.	10
MAINTENANCE _____ Service for parts not in periodic service.	11
TROUBLE SHOOTING _____ Common operating problems, causes and solutions.	12
SPECIFICATIONS _____ Useful machine measurements.	13
SERIAL NUMBERS _____ A record for machine serial numbers.	14
INDEX _____ An alphabetical list of parts, uses and procedures.	15



Components

1

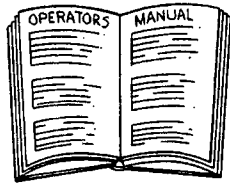
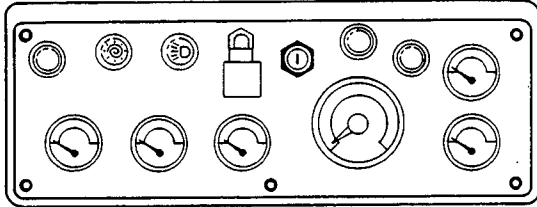


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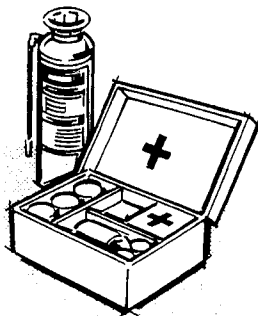
General Safety Rules

Only qualified people should operate the machine.



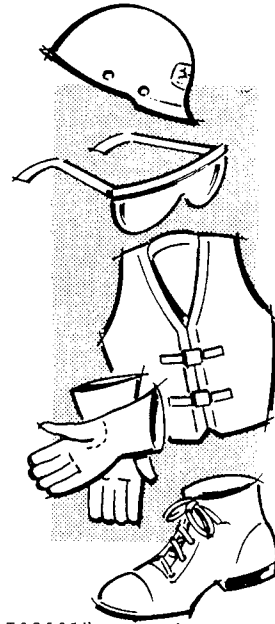
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Learn the location and purpose of all controls, instruments, indicator lights, and labels.



T45667

Fasten a first-aid kit and a fire extinguisher to the machine. Keep the extinguisher fully charged. Learn to use it correctly.



T27501H

Wear safety equipment.

Use accessory lights and devices necessary for warning to the operators of other vehicles.

If you are working where noise is too loud, wear protection for your hearing.

Drive carefully where room is limited, over rough ground, and on slopes.

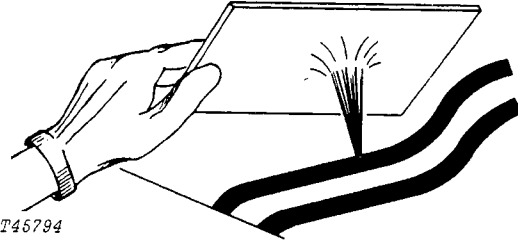


If your machine has a roll-over protective structure (ROPS), USE a seat belt.

If your machine DOES NOT have a roll-over protective structure, DO NOT use a seat belt.

Use care when crossing ridges, curbs, logs or railroad tracks.

DO NOT guide the cable onto the winch drum with your hands.



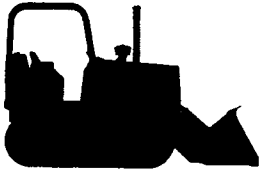
Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that lines, pipes and hoses are not damaged. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.



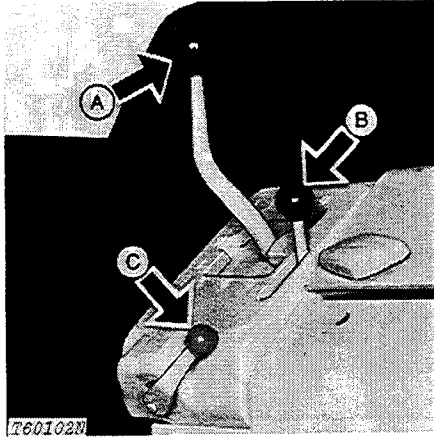
You should wear fairly tight clothing.

When you are operating the machine, do not allow any one else on the machine.

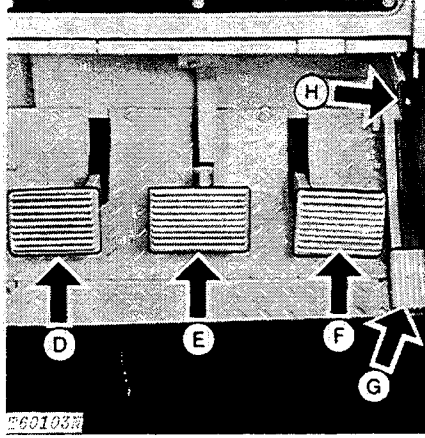


Controls and Instruments

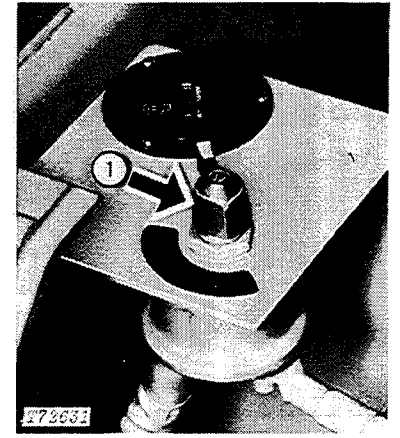
CONTROLS



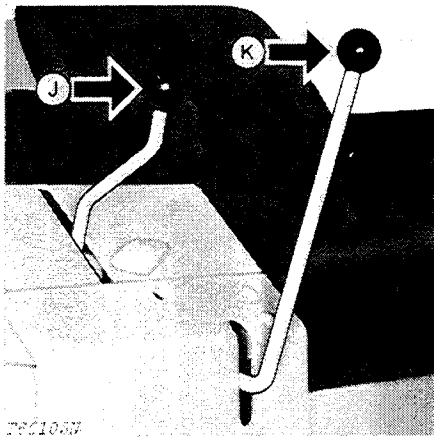
A—Transmission Shift Lever
B—Speed Control Lever
C—Neutral Lock Lever



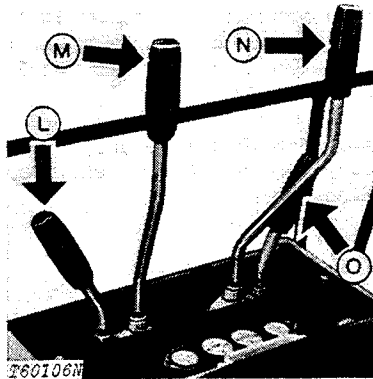
D—Left Steering Pedal
E—Park Brake
F—Right Steering Pedal
G—Decelerator Pedal
H—Park Brake Lever



I—Battery Disconnect Switch

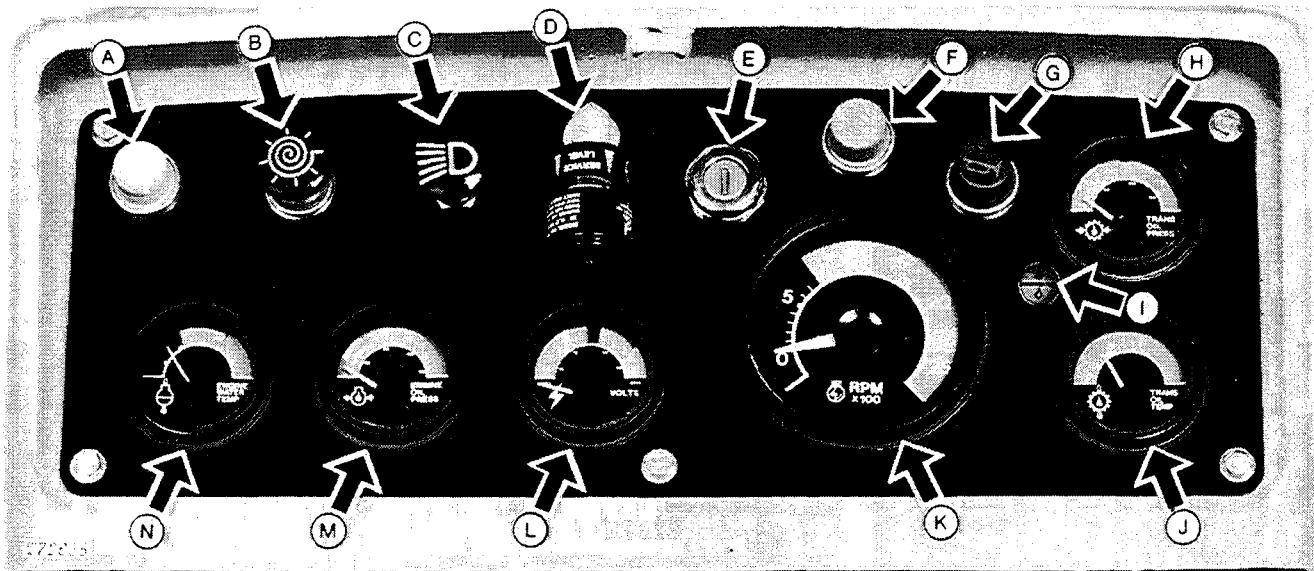


J—Attachment Control Lever
K—Loader Control Lever



L—Left Stabilizer Control Lever
M—Boom Control Lever
N—Bucket and Dipperstick Control Lever
O—Right Stabilizer Control Lever

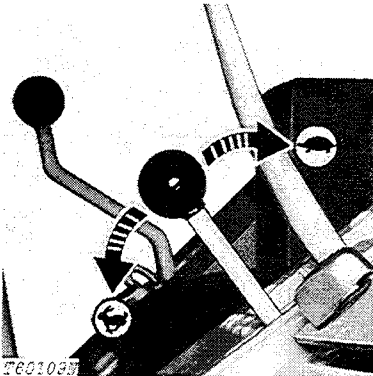
GAUGES AND INSTRUMENTS



- A—Starting Aid Button
- B—Cigar Lighter
- C—Light Switch
- D—Air Cleaner Restriction Indicator
- E—Key Switch
- F—Starter Button
- G—Horn
- H—Transmission Oil Pressure Gauge
- I—Hydraulic Filter Restriction Indicator Light
- J—Transmission Oil Temperature Gauge
- K—Tachometer
- L—Voltmeter
- M—Engine Oil Pressure Gauge
- N—Engine Coolant Temperature Gauge
- O—Hour Meter



SPEED CONTROL LEVER



Slow idle — 800 rpm

Fast idle — 2375 rpm

Working range — 1300 to 2300 rpm

3

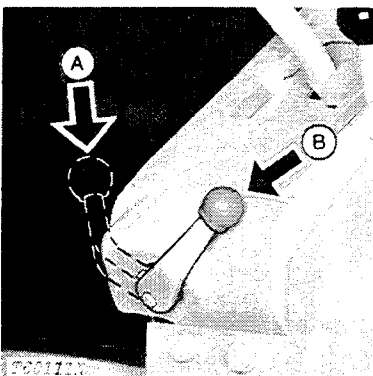
DECELERATOR PEDAL



Push down the pedal to slow the engine.

When you release pedal, engine rpm will go back to speed control lever setting.

NEUTRAL LOCK LEVER



Before starting engine:

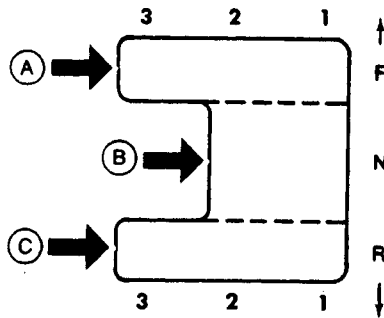
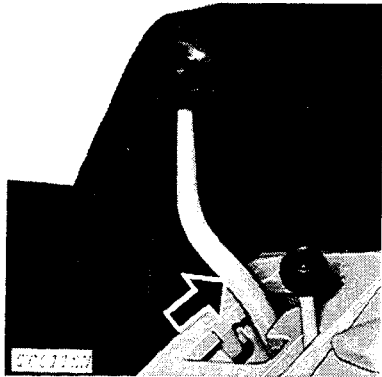
1. Move transmission shift lever to neutral.
2. Move lock lever to lock position (B).

The transmission shift lever cannot be moved out of neutral.

After the engine is running, move the lock lever to run position (A). The shift lever can then be moved into gear.

A—Run Position B—Lock Position

TRANSMISSION SHIFT LEVER



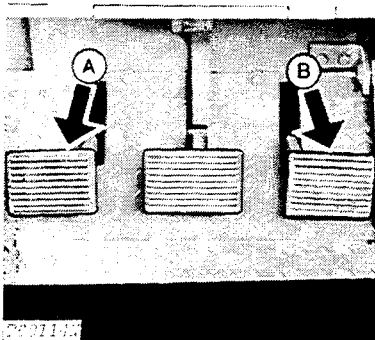
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A—Forward Drive Positions

B—Neutral Positions

C—Reverse Drive Positions

STEERING PEDALS



A—Left Steering Pedal

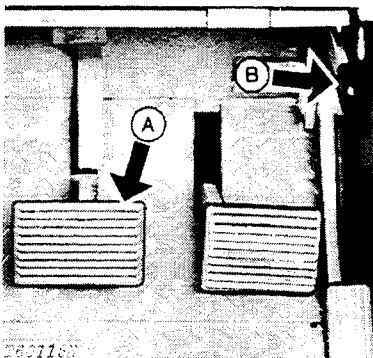
B—Right Steering Pedal

Push the left or right steering pedal to slow the rotation of the left or right track.

Push the pedal further to stop the track.

Push the pedal all the way down to apply the steering brake. The crawler will then make the shortest turn.

PARK BRAKE PEDAL AND PARK BRAKE LEVER



A—Park Brake Pedal

B—Park Brake Lever

To engage park brake:

1. Push down pedal (A).
2. Pull lever (B) up.
3. Release pedal.

To disengage park brake:

1. Push down pedal.
2. Release pedal.



CAUTION: Before getting off crawler, engage park brake.

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