

JOHN DEERE 444C LOADER



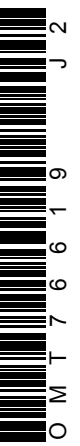
JOHN DEERE

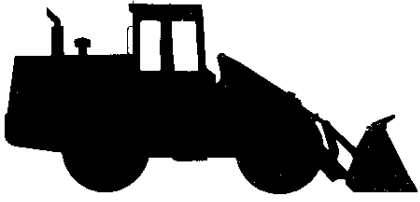
OPERATORS MANUAL JOHN DEERE 444C LOADER

OMT76619 J2 English

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ENGLISH





To the Operator

Read this manual carefully to learn how to operate and service your loader correctly.

 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 page 3.

Operation safety rules are on page 17.




Service safety rules are on page 39.

Read all of the safety rules in this manual before operating or working on this loader.

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

Left and right side of the backhoe are viewed from the backhoe seat facing the backhoe.

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 their metric equivalents in this manual.

Record serial numbers on serial number page.





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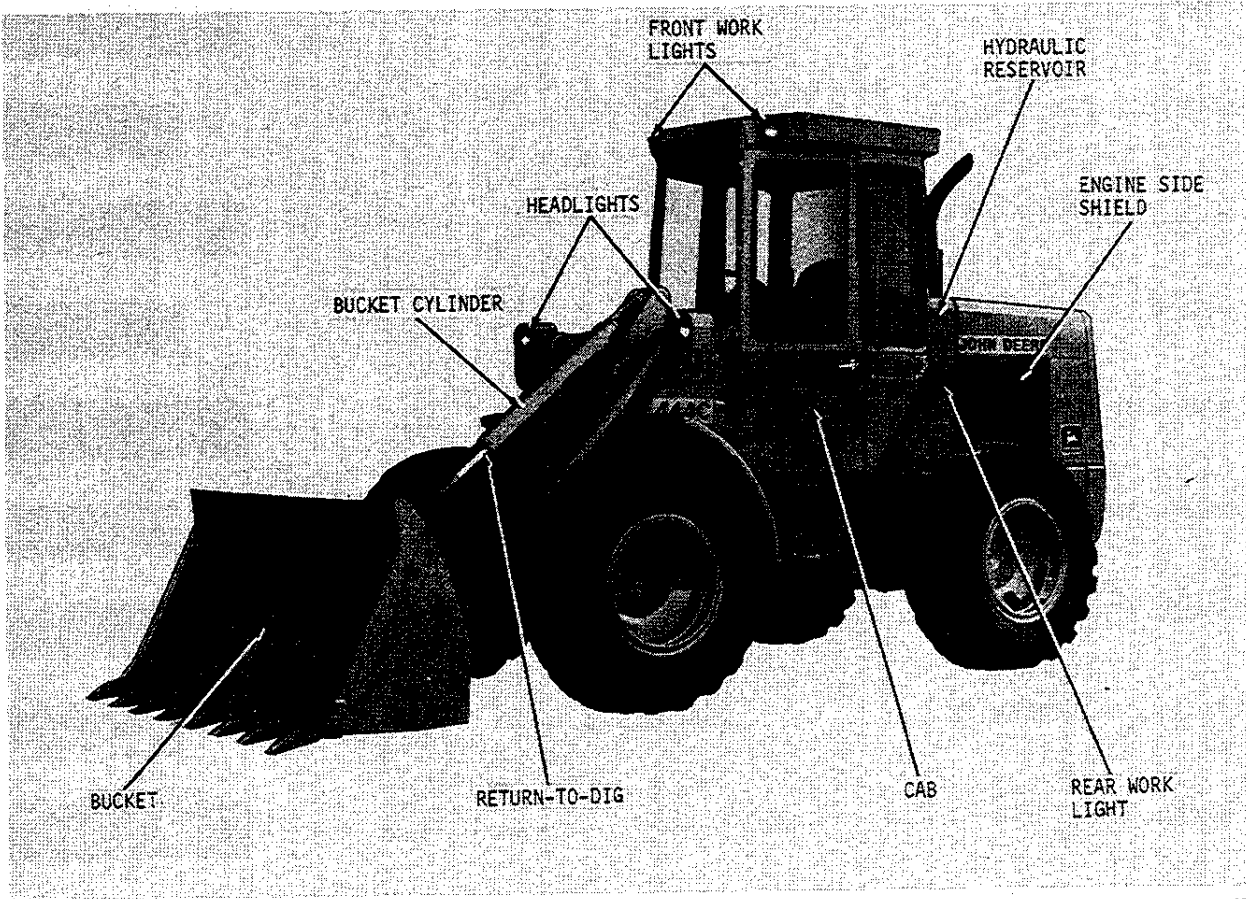
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Components

1



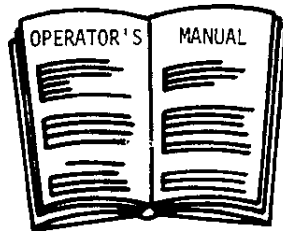
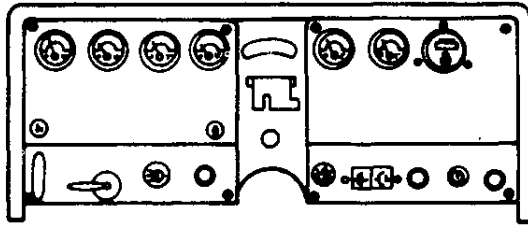
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2



General Safety Rules

Only qualified people should operate the loader.



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

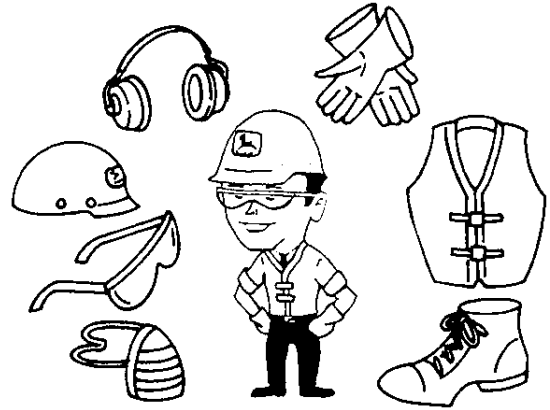


T73433

T73433

Fasten a first-aid kit and a fire extinguisher to the loader.

Keep the extinguisher fully charged. Learn to use it correctly.



2

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Wear fairly tight clothing and safety equipment.

Avoid High Pressure-Fluids



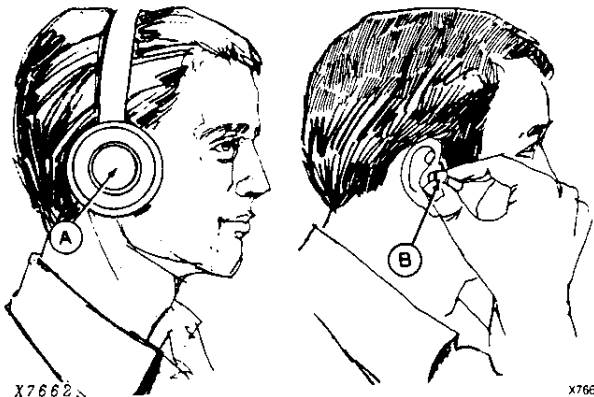
3

X9811

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard or paper to search for leaks. Do not use your hand.

If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type injury or gangrene may result.

Protect Against Noise



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X7662

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs (A) or earplugs (B) to protect against objectionable or uncomfortable loud noises.

Start Engine From Operator's Seat Only



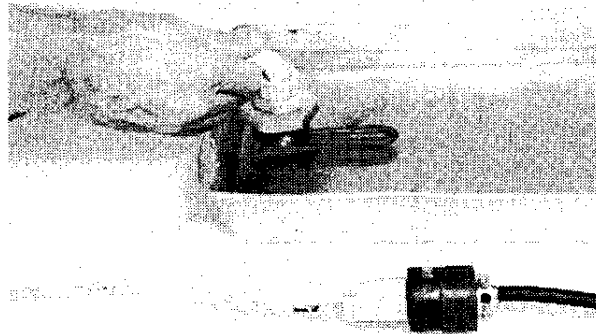
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Avoid possible injury or death from machinery runaway.

Do not start engine by shorting across starter terminals. Machine will start in gear and will move if normal circuitry is bypassed.

NEVER start engine while standing on ground. Start engine only from operator's seat, with transmission in neutral, reverser in neutral, and park brake applied.

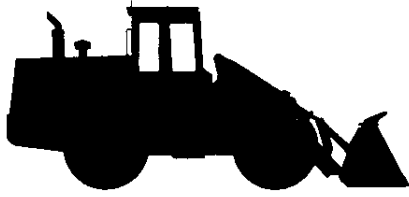
Test Coolant Heater In Liquid Only



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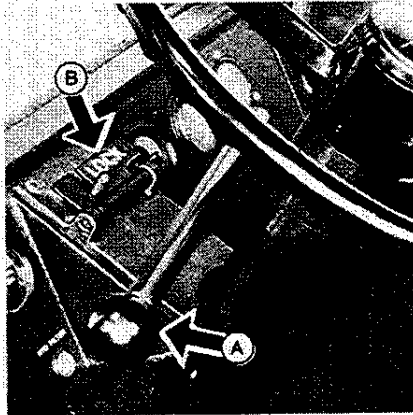
Use a heavy-duty grounded cord to connect coolant heater to electrical power.

Do not plug into electrical power unless heating element is immersed in coolant. Sheath could burst and result in personal injury.

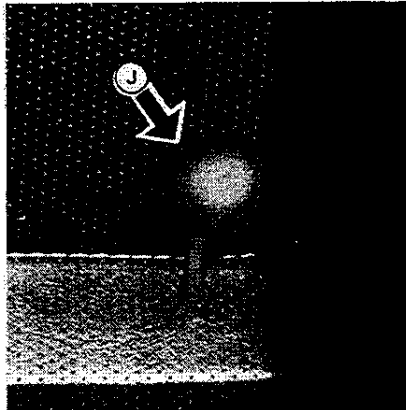


Controls and Instruments

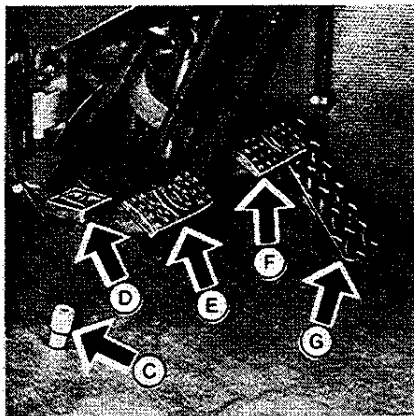
CONTROLS



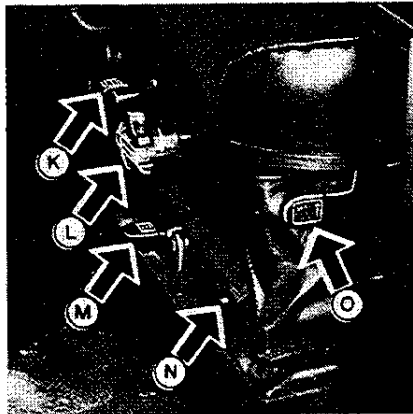
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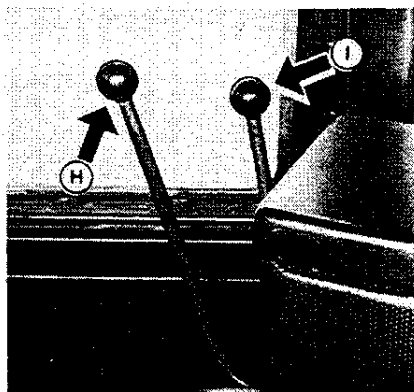
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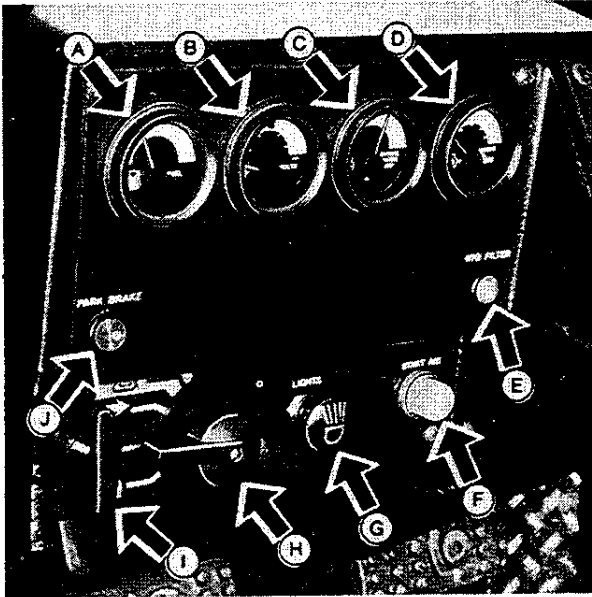


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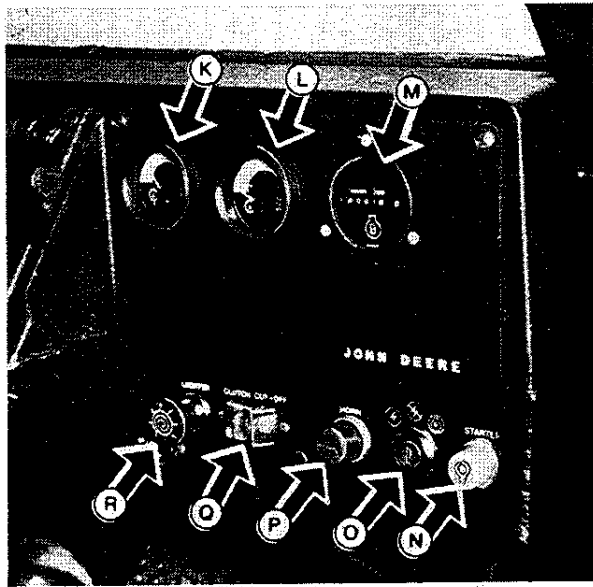
- A—Shift Lever
- B—Neutral Lock
- C—Differential Lock Switch
- D—Parking Brake Pedal
- E—Left Brake Pedal (Clutch Cut-off)
- F—Right Brake Pedal
- G—Accelerator Pedal
- H—Boom and Bucket Control Lever
- I—Attachment Control Lever
- J—Rear Axle Disconnect
- K—Height Adjustment Lever
- L—Weight Adjustment Lever
- M—Forward/Rearward Adjustment Lever
- N—Weight Adjustment Indicator
- O—Tilt Adjustment Lever

INSTRUMENTS

3

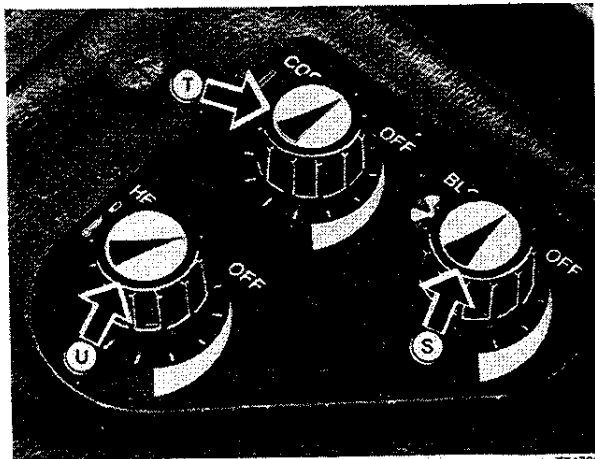


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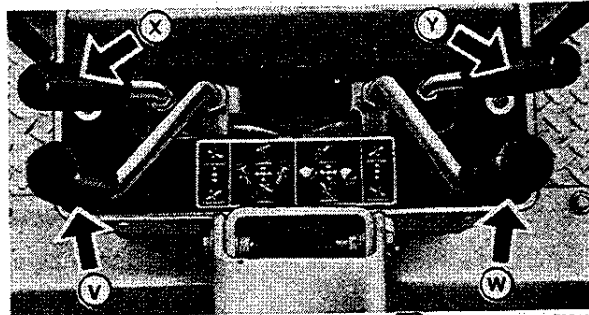


T74788

- A—Fuel Gauge
- B—Voltmeter
- C—Engine Coolant Temperature Gauge
- D—Engine Oil Pressure Gauge
- E—Hydraulic Oil Filter Bypass Warning Light
- F—Starting Aid Button
- G—Light Switch
- H—Turn Signal Switch
- I—Parking Brake Release Handle
- J—Parking Brake Warning Light
- K—Transmission Oil Temperature Gauge
- L—Transmission Oil Pressure Gauge
- M—Hour Meter
- N—Starter Button
- O—Key Switch
- P—Horn Button
- Q—Clutch Cut-off Switch
- R—Cigar Lighter
- S—Blower Control Knob
- T—Temperature Control Knob
- U—Heater Control Knob
- V—Backhoe Boom Control Lever
- W—Backhoe Bucket and Dipperstick Control Lever
- X—Left Stabilizer Control Lever
- Y—Right Stabilizer Control Lever



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ACCELERATOR PEDAL



T74790

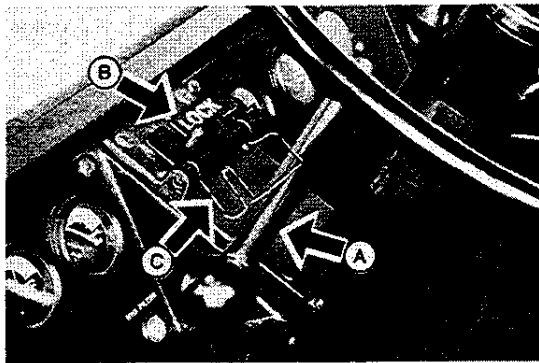
Slow idle is 800 rpm.

Fast idle is 2600 rpm.

Normal operating range is 3/4 to full throttle.

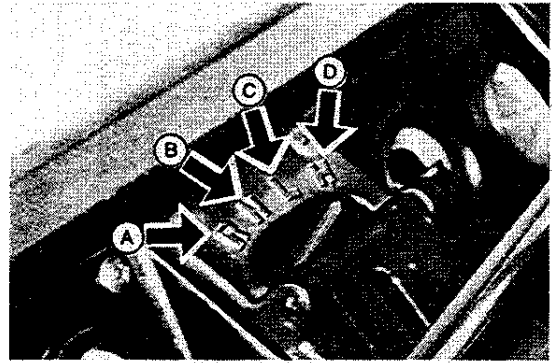
3

SHIFT LEVER



T74791

- A—Shift Lever
- B—Neutral Lock Locked
- C—Neutral Locked Unlocked



T74792

- A—Reverse (R)
- B—Neutral (N)
- C—Low Range (L)
- D—High Range (H)

Shift from Low (L) to Reverse (R) and from Reverse (R) to Low (L) at any engine speed.

Shift from Low (L) to High (H) at any engine speed. Shift from High (H) to Low (L) at any engine speed below maximum speed in low range.

NOTE: The shift lever must be raised toward the steering wheel when shifting from Low (L) to High (H).

Do not shift from Neutral (N) to High (H) or from Reverse (R) to High (H) at engine speeds above approximately 1000 RPM. Do not shift to High (H) with loader moving in reverse.

NOTE: Lock in Neutral before starting or when dismounting.

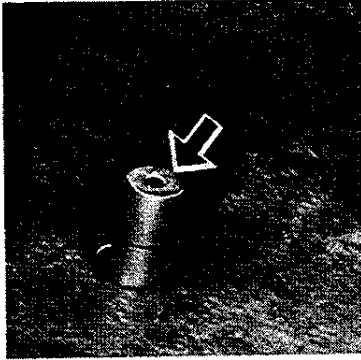
NOTE: Shift from 1st to 2nd and 3rd to 4th is automatic.

TRAVEL SPEEDS		
Gear	Forward (mph/km/hr)	Reverse (mph/km/hr)
First (1)	0-2.8(0-4.5)	0-3.8(0-6.1)
Second (2)	2.8-6.5(4.5-10.3)	3.8-8.8(6.1-14.2)
Third (3)	0-16.7(0-17.2)	
Fourth (4)	10.7-24.6(17.2-39.6)	

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7

DIFFERENTIAL LOCK SWITCH



T74793

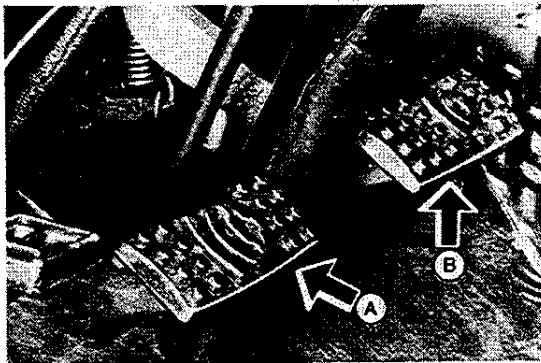
Hold down switch to lock front axle differential.

Release switch to unlock differential.

NOTE: Use differential lock only when traction conditions require.

3

BRAKE PEDALS

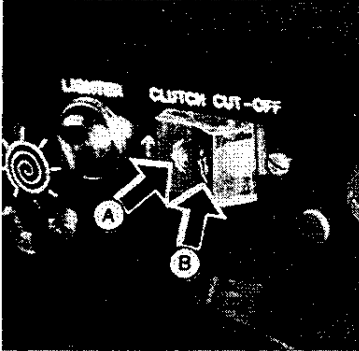


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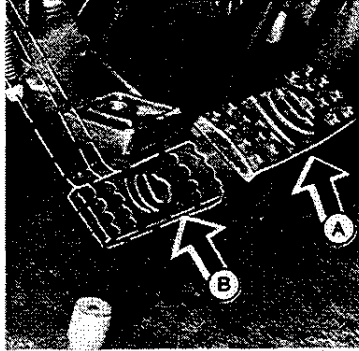
To stop loader push down left (A) or right (B) brake pedal.

NOTE: If clutch cut-off switch is in clutch disengaged position, use the left brake pedal to disengage transmission clutches.

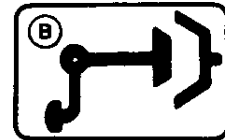
CLUTCH CUT-OFF



T74796
A—Transmission Clutches Engaged



T79495
B—Transmission Clutches Disengaged and Brake Engaged



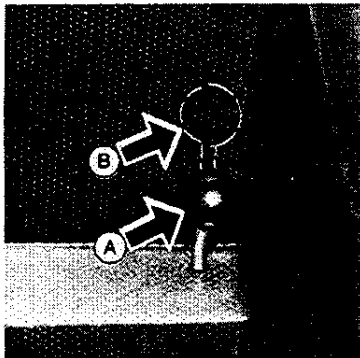
T83063

3

The clutch cut-off switch must be in clutch disengaged position (B) before left brake pedal can be used to disengage transmission clutches.

CAUTION: When stopping on inclines, push clutch cut-off switch to engage position before releasing foot brake pedal. This will prevent the loader from rolling down hill during transmission re-engagement cycle.

REAR AXLE DISCONNECT



T74797

Push down knob to connect (A) rear axle.

Pull up knob to disconnect (B) rear axle.

Disconnect the rear axle before driving on hard surface roads.

IMPORTANT: DO NOT connect or disconnect the rear axle with loader in motion. Start the engine. Turn steering wheel slowly back and forth to connect or disconnect.

PARKING BRAKE PEDAL

To engage (A) parking brake, push parking brake pedal down.

To disengage (B) parking brake:

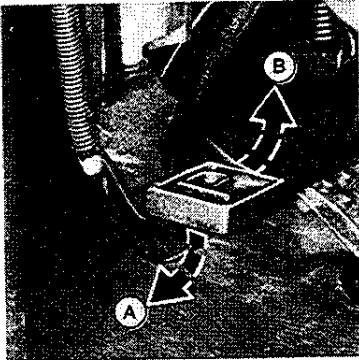
1. Push pedal down.
2. Pull parking brake release handle (C) out.
3. Release pedal.
4. Release handle.

CAUTION: Before disengaging parking brake, be sure engine is running and foot brakes are operational.

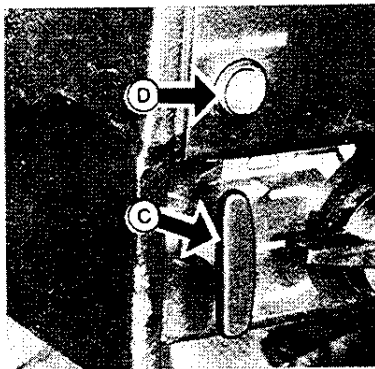
NOTE: Always engage parking brake before dismounting from loader.

IMPORTANT: Disengage parking brake before shifting into gear. Transmission clutches are disengaged when parking brake is applied.

NOTE: Parking brake warning light (D) should remain on when parking brake pedal is engaged and key switch is on.

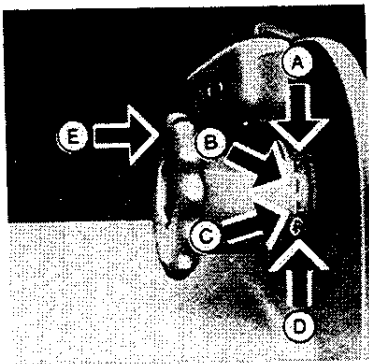


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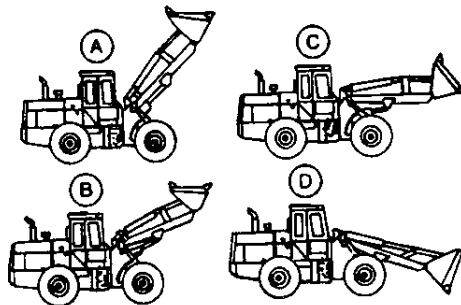
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BOOM HEIGHT CONTROL



T74800

- | | |
|--------------------------------|-----------------------|
| A—Full Height Position | C—Boom Level Position |
| B—Intermediate Height Position | D—Boom Grade Position |
| E—Cam | |

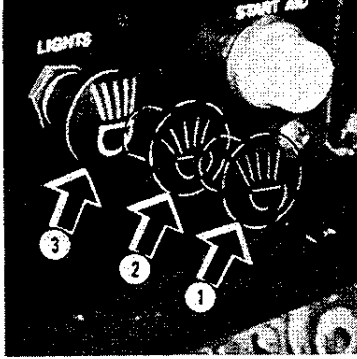


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IMPORTANT: Boom and bucket control lever (page 12) must be in full rear (detent) position before boom height control positions can be obtained.

NOTE: Cam should always be flush against loader boom.

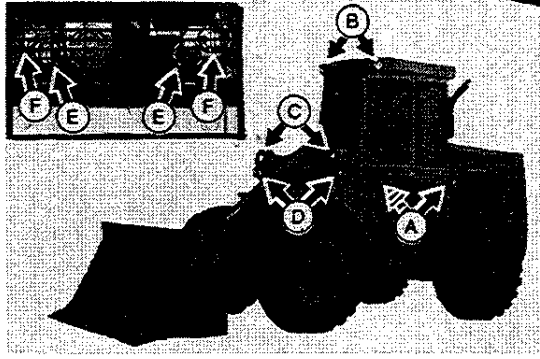
LIGHT SWITCH



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Switch Positions

Switch Position	Lights on
1	A, B, C, and E
2	C and E
3	All lights off



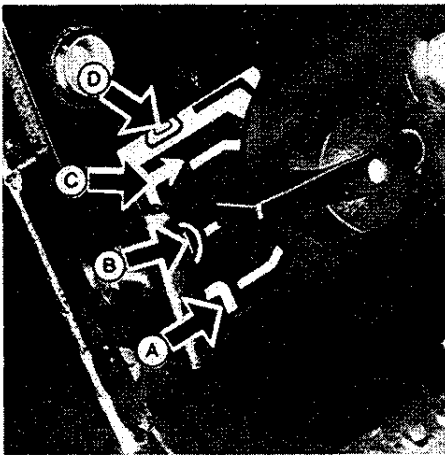
T75138

A—Rear Work Lights
 B—Front Work Lights
 C—Headlights
 D—Turn Signals and Warning Lights

E—Tail Lights and Brake Lights
 F—Turn Signals and Warning Lights

TURN SIGNAL SWITCH

Switch off turn signals manually after you make a turn.



T74804

A—Left Turn
 B—Off

C—Right Turn
 D—Warning Flashers



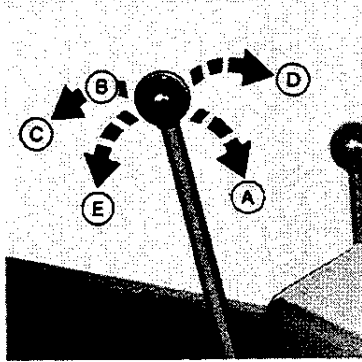
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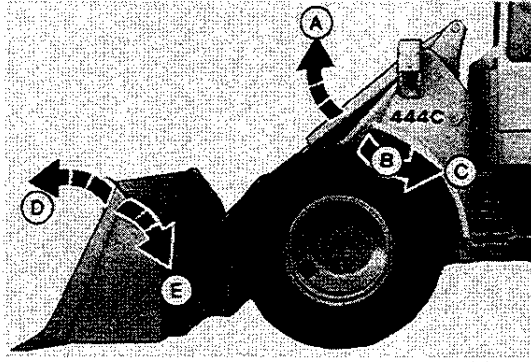
BOOM AND BUCKET CONTROL LEVER



T74805

A—Raise
Boom

B—Lower
Boom



T75139

C—Float

D—Dump
Bucket

E—Rollback
Bucket

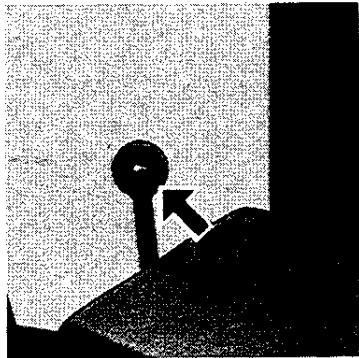
Return-to-Dig (lever in full left position-detented [E])—Bucket will return to set dig position.

Boom Height Control (lever in full rear position-detented [A])—Lever must be in this position to use boom height control.

IMPORTANT: Do not lower a loaded bucket with boom and bucket control lever in float position.

CAUTION: Before you dismount, lower bucket to ground.

ATTACHMENT CONTROL LEVER



T74807

Use to control auxiliary equipment such as multi-purpose bucket, log loader, etc.

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