

JOHN DEERE 4230 TRACTOR



JOHN DEERE

OPERATORS MANUAL JOHN DEERE 4230 TRACTOR

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To the Purchaser

This new tractor was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need—whether it is operation, lubrication and periodic service, or trouble shooting. Check the Contents to learn where each section is located. Use the alphabetical index for fast reference.




Worldwide graphic symbols are used to assist identification and operation. In this manual, an identifying symbol is placed by the instructions like the example at left for the symbol on the engine oil pressure gauge. The cylinder block in the symbol represents the engine, the drop signifies oil, and the arrows indicate pressure. Regardless of the language used in a nation, this symbol means engine oil pressure without translation.

Record your tractor serial numbers in the spaces provided on page 86. Your dealer needs this information to give you prompt, efficient service and parts. If your tractor requires replacement parts, go to your John Deere dealer where you can obtain genuine John Deere parts—accept no substitutes.

The warranty on this tractor appears on your copy of the purchase order which you should have received from your dealer when you purchased the tractor.

The references in this manual to the "right-hand" and the "left-hand" sides of the tractor are determined by facing in the direction of tractor forward travel.

 This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.



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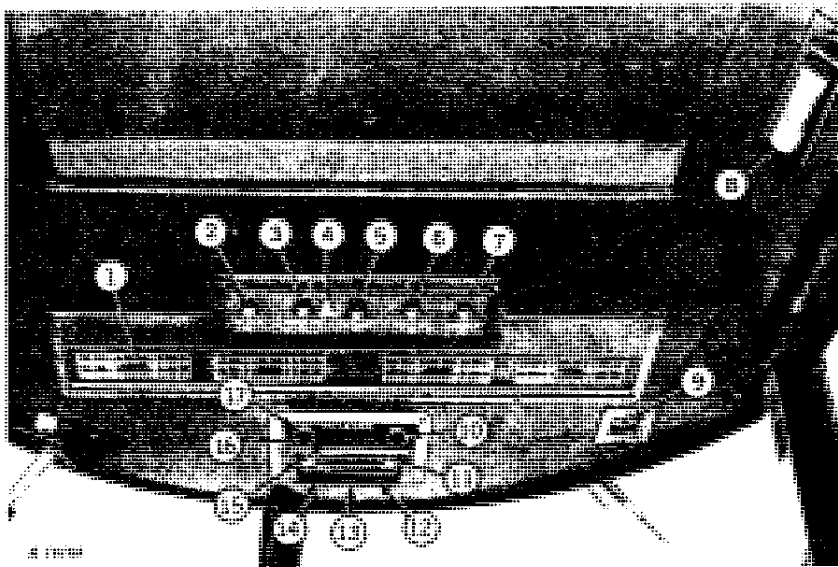
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John Deere 4230 Tractor

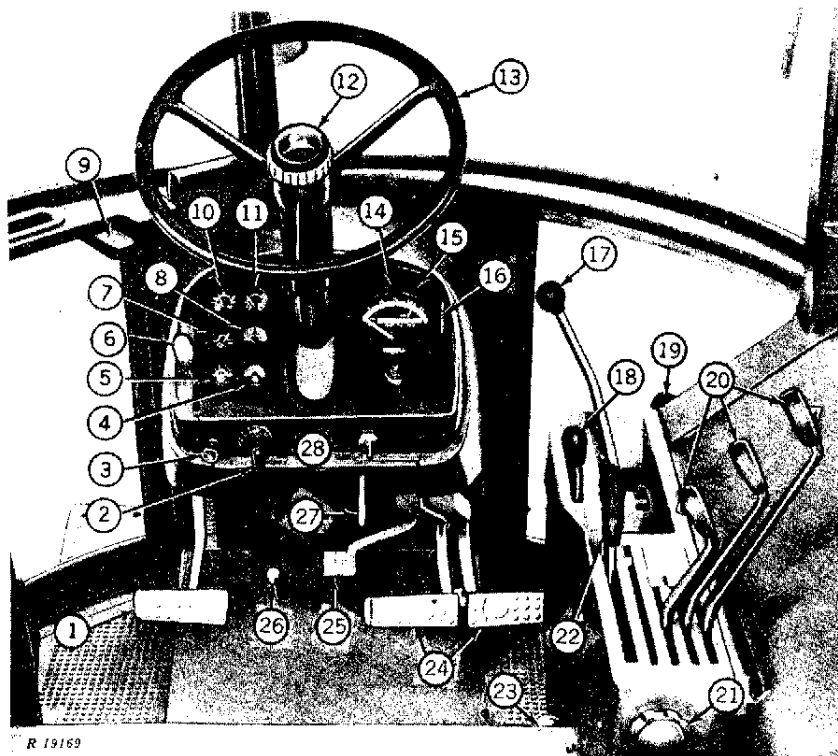


Controls and Instruments

Before attempting to operate your new tractor, become familiar with the location and purpose of its controls and instruments. Additional information will be found on the page number following the control or instrument.



- 1—Air Louver (page 8)
- 2—Left Wiper Switch (page 8)
- 3—Air Conditioning Temperature Control Knob (page 8)
- 4—Plugged Condenser Indicator Light (page 8)
- 5—Blower Switch Knob (page 8)
- 6—Heater Temperature Control Knob (page 8)
- 7—Right Wiper Switch (page 8)
- 8—Dome Light Switch
- 9—Console Lamp
- 10—Radio Station Selector (page 8)
- 11—Tape Player Channel Selector Button (page 8)
- 12—Tape Player Tone Control (page 8)
- 13—Tape Player Stereo Balance Control (page 8)
- 14—Tape Player Volume Control (page 8)
- 15—Radio Tuning Push Button (page 8)
- 16—Radio Off-On and Volume Control Knob (page 8)
- 17—Radio Tone Control Ring (page 8)



- 1—Clutch Pedal (page 12)
- Inching Pedal (page 11)
- 2—Light Switch (page 26)
- 3—Engine Shut-Off Knob (page 3)
- Engine Choke Knob (page 4)
- 4—Air Cleaner Indicator Light (page 4)
- 5—Transmission Oil Indicator Light (page 3)
- 6—Power Take-Off Clutch Lever (page 40)
- 7—Engine Oil Pressure Gauge (page 4)
- 8—Voltmeter (page 3)
- 9—Door Latch
- 10—Fuel Gauge
- 11—Water Temperature Gauge (page 7)
- 12—Steering Shaft Adjusting Knob (page 16)
- 13—Steering Wheel (page 16)
- 14—Hi-Beam Indicator Light (page 25)
- 15—Speed-Hour Meter (page 10)
- 16—Speed Indicator Wheel (page 10)
- 17—Shift Lever (page 12)
- 18—Hand Throttle (page 7)
- 19—Right-Hand Service Door Handle
- 20—Remote Cylinder Operating Levers (page 36)
- 21—Rockshaft Depth Stop Adjusting Knob (page 27)
- 22—Rockshaft Control Lever (page 27)
- 23—Rockshaft Selector Lever (page 28)
- 24—Brake Pedals (page 16)
- 25—Differential Lock Pedal (page 15)
- 26—Dimmer Switch (page 25)
- 27—Steering Tilt Lock (page 25)
- 28—Key Switch (page 3)



Operation

Complete instructions for operating your tractor safely and efficiently are given on the following pages. By following these directions carefully, you can be sure that you are taking full advantage of the many features built into your tractor.

PRESTARTING CHECKS

Perform the following checks and services before starting the engine for the first time each day—see pages 52 and 53 for additional information.

- (a) Check the engine crankcase oil level.
- (b) Check the radiator coolant level.
- (c) Drain contaminants from fuel filter.

(d) Lubricate the wide swing drawbar rollers, the front axle pivot pins, steering knuckle pins, and tie rod ends.

(e) Grease the front wheel bearings and rear axle bearings if the tractor has been operated in extremely wet or muddy conditions.

(f) Make sure the fuel shut-off valve on the fuel tank is open.

OPERATING THE ENGINE

STARTING THE DIESEL ENGINE

NOTE: If the prevailing temperature is 40°F. or lower, it may be necessary to use a cold weather starting aid to start the engine (page 5).

Perform the Prestating checks listed above.

The gauge pointers for the fuel gauge, engine water temperature gauge and engine oil pressure gauge will be in approximately the same position they were in when the key switch was turned off.

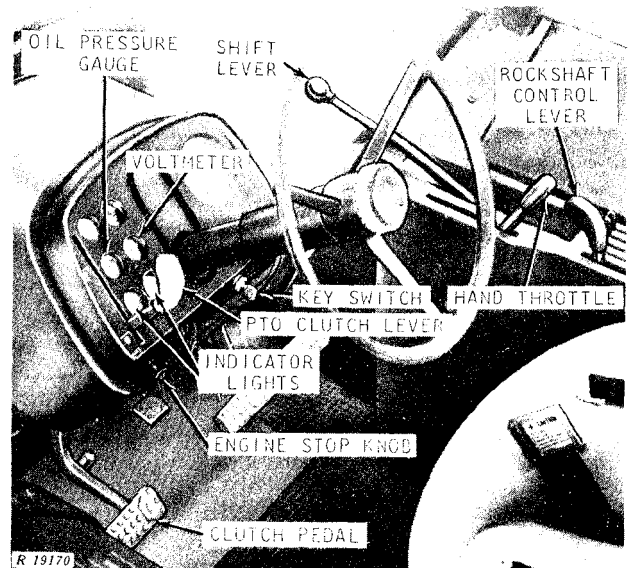


(1) See that the transmission is in PARK (see worldwide symbol at left), the PTO clutch is disengaged, the rockshaft control lever is in lowered position and the remote cylinder operating levers in neutral. Depress the clutch pedal or inching pedal.

Before the starter will operate, the syncro-range shift lever or the Power Shift speed selector must be in PARK or neutral. The Quad-Range transmission speed selector must be in neutral.

(2) Place the hand throttle in the 1200 rpm position (approximately 1/3 of its travel forward).

(3) Turn the key switch clockwise to the first position.



Starting Controls



The voltmeter (see symbol) hand should rise to the green band for battery condition. If it does not, the battery voltage is low and the engine may be difficult to start. See "Trouble Shooting" for possible causes of low voltage.



If the tractor has a Perma-Clutch, the transmission oil indicator lamp should glow. If it does not glow, turn off key switch and determine the cause.

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