



4320 TRACTOR



JOHN DEERE

OPERATORS MANUAL

4320
TRACTOR

OMR48277 H1 English

JOHN DEERE WATERLOO WORKS

OMR48277 H1

LITHO IN THE U.S.A. (REVISED)
ENGLISH





To the Operator


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, or service.

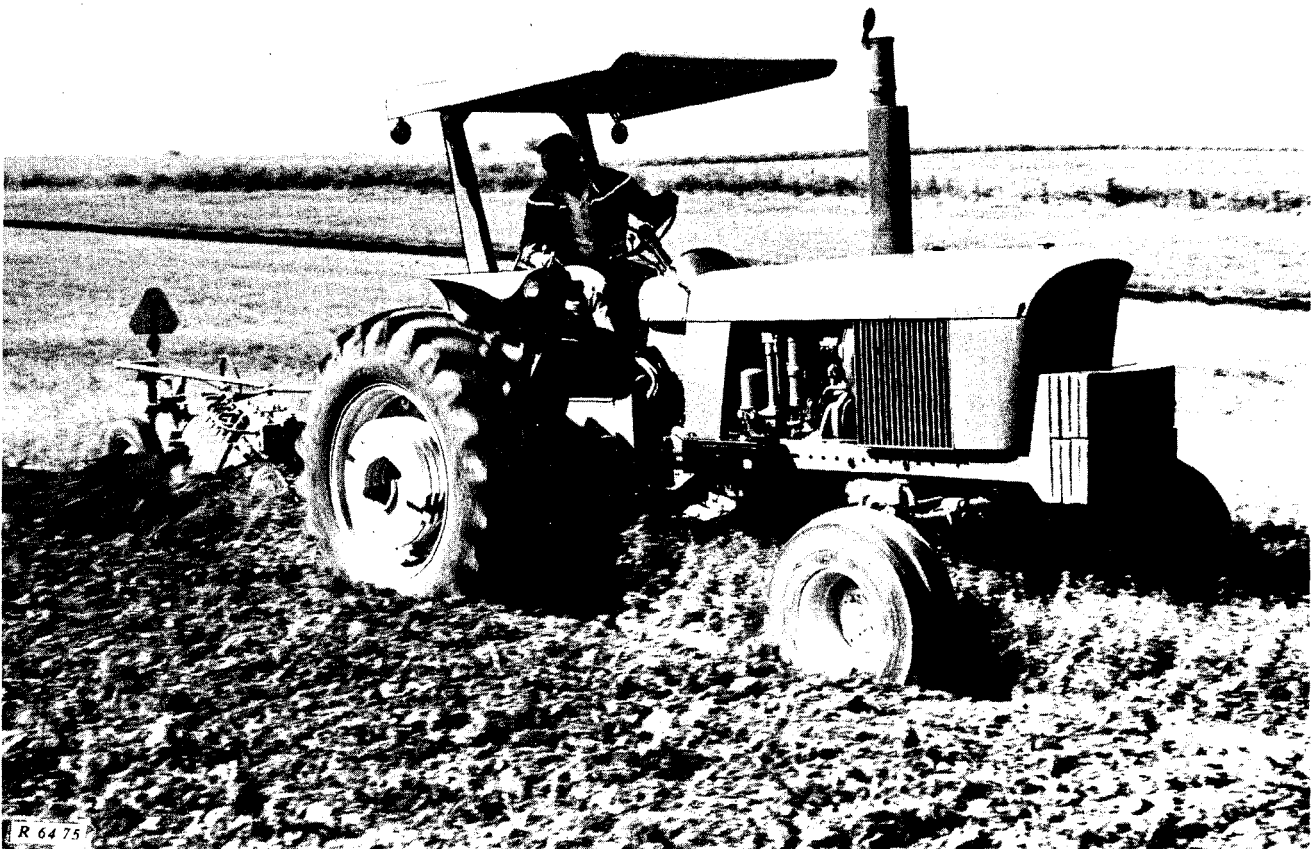
Read the Contents to learn where each section is located. Use the alphabetical index on pages 76, 77, and 78 for fast reference.

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.

Record the serial numbers in the spaces provided on page 75. Your dealer needs this information to give you prompt, efficient service when you order 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.

 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.





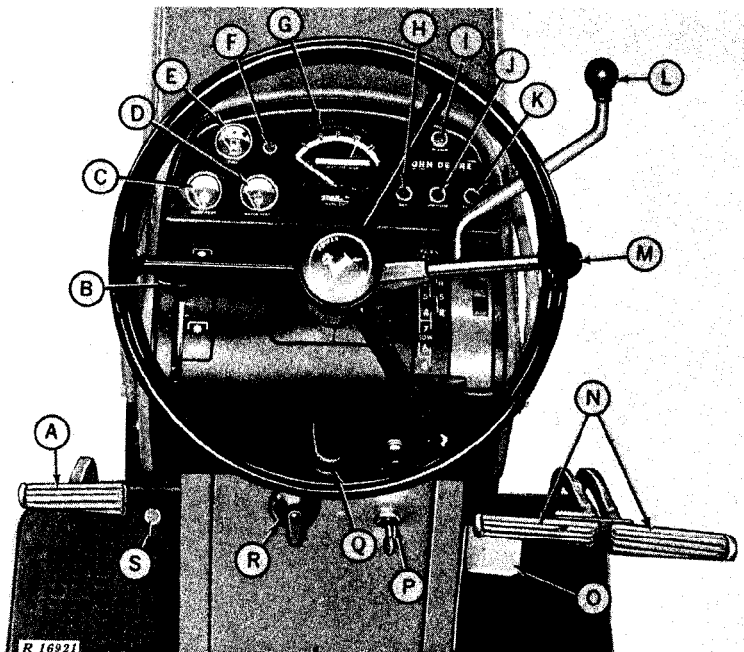
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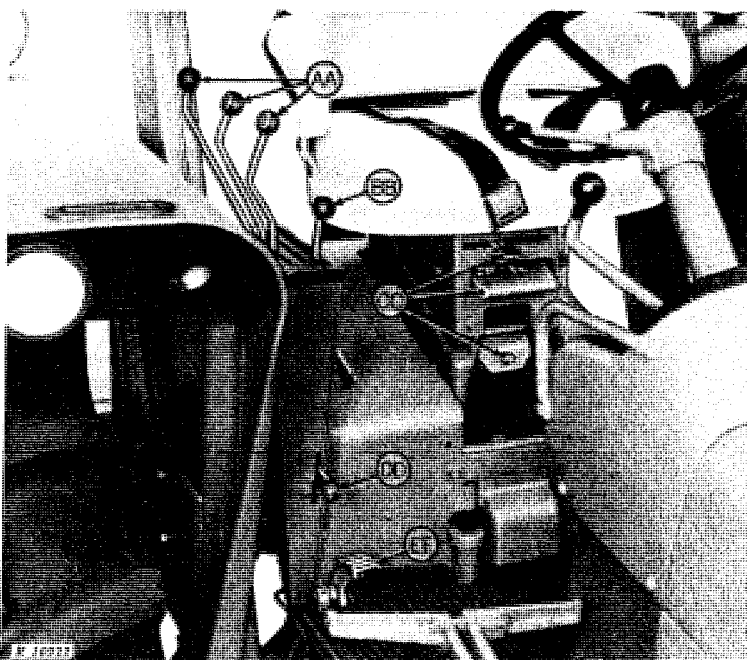
Controls and Instruments

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. Worldwide graphic symbols are used to assist identification and operation.



- A-Clutch Pedal (page 9)
- B-Power Take-Off Clutch Lever (page 34)
- C-Transmission Oil Temperature Gauge (page 10)
- D-Coolant Temperature Gauge
- E-Fuel Gauge
- F-Speed Indicator Knob (page 9)
- G-Speed-Hour Meter (pages 9 and 40)
- H-Alternator Indicator Light (page 3)
- I-Hi-Beam Indicator Light (page 20)
- J-Air Cleaner Indicator Light (pages 3 and 42)
- K-Oil Pressure Indicator Light (page 3)
- L-Shift Lever (page 9)
- M-Hand Throttle (page 6)
- N-Brake Pedals (page 12)
- O-Foot Throttle (page 7)
- P-Key Switch (pages 3 and 7)
- Q-Ether Starting Fluid Adapter (page 4)
- R-Light Switch (page 21)
- S-Dimmer Switch (page 21)

- AA-Remote Cylinder Operating Levers (page 30)
- BB-Rockshaft Control Lever (page 22)
- CC-Seat Controls (page 8)
- DD-Rockshaft Selector Lever (page 23)
- EE-Differential Lock Pedal (page 11)





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 page 44 for additional information.

- (1) Check the engine crankcase oil level.
- (2) Check the radiator coolant level.
- (3) Check the fuel filter sediment chamber.

(4) Lubricate the wide-swing drawbar, draft link support, front axle pivot pins, steering knuckle pins, and tie rod ends.

(5) Grease the front wheel bearings if the tractor has been operated in extremely wet or muddy conditions.

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

OPERATING THE ENGINE

STARTING THE 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 4).

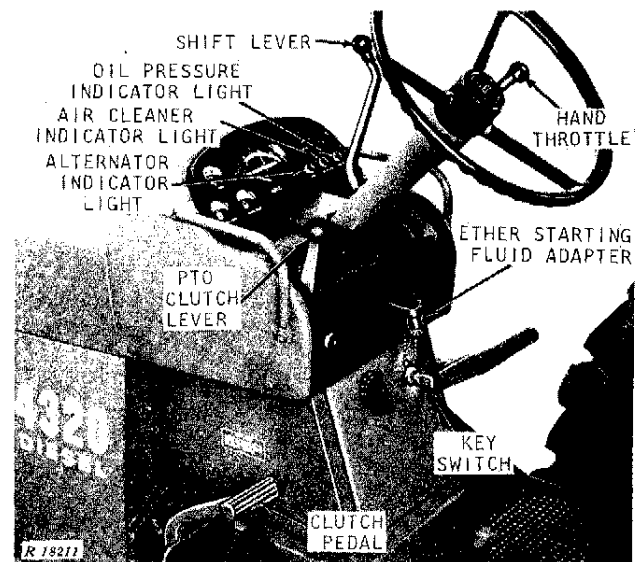
Perform the Prestarting checks listed above.

(1) Make sure the shift lever is in the "PARK" position, the PTO clutch lever is disengaged, the remote cylinder operating levers are in neutral, and the rockshaft control lever is in the lowered position. Depress the clutch pedal.

(2) Place the hand throttle in the 1200 rpm position, approximately one-third of its travel downward.

(3) Turn the key switch clockwise to the first position. The alternator and oil pressure indicator lights should glow. Turning the key switch further to the start position should cause the air cleaner indicator light to glow. If any light fails to glow, turn off the key switch and determine the cause.

(4) Turn the key switch all the way to the right to start the engine. Do not operate the starter for more



Starting Controls

than 30 seconds at a time. To do so may overheat the starter. If the engine does not start the first time, wait for a minute or two before trying again. If it does not start after four attempts, see "Trouble Shooting."

Thank you so much for reading.
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