

3010 ROW-CROP UTILITY DIESEL TRACTOR



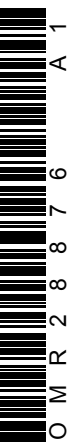
JOHN DEERE

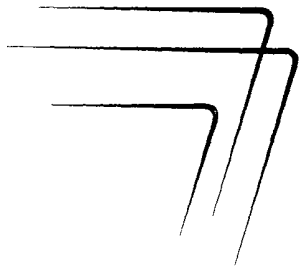
OPERATORS MANUAL 3010 ROW-CROP UTILITY DIESEL TRACTOR

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ENGLISH





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**NEW
GENERATION
of power**

Your new John Deere Tractor is an entirely new concept of farm power. Developed through years of design and test, built to the traditionally high standards of John Deere, this versatile tractor meets the exacting requirements of modern farming.

New operating ease and comfort, hydraulic power when and where you need it, the ability to match engine power and transmission speed to any job, outstanding economy and dependability, modern styling, and simplicity of lubrication and service are all in this great new tractor.

We are confident this modern tractor, combined with equally advanced John Deere tools and implements, will help you to farm better, easier, and more profitably.

At the time the tractor was delivered, the John Deere dealer discussed with you its safe operation and proper care. However, before putting the tractor to work, read this manual. It contains complete instructions for operating the tractor, caring for it, and taking full advantage of its many time- and labor-saving features. After reading the manual, keep it in a convenient place for quick and easy reference if questions arise concerning operation, lubrication, or service.

The service policy which you received with your new tractor certifies that the tractor was properly inspected and prepared for delivery by your John Deere dealer. Keep this policy in a safe place and present it to the dealer whenever services which it authorizes are required.

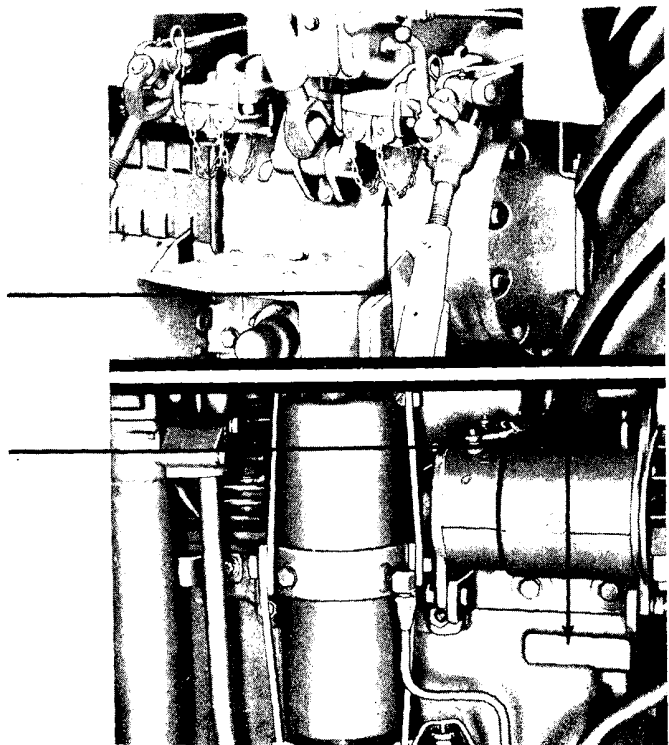
Your John Deere dealer wants to help you get the most value from your new tractor. His skilled servicemen can handle every job efficiently. These men are trained in modern service methods; they have all necessary tools and equipment. If new parts are needed, only genuine John Deere parts will be installed. These parts are exact duplicates of the originals, made from the same patterns and of the same high-quality materials.

When in need of new parts, be prepared to furnish your dealer with the engine serial number, the tractor chassis serial number, and the tractor model number. The location of the serial numbers is illustrated below. For ready reference, record the numbers in the spaces provided.

FILL IN THESE SPACES

CHASSIS SERIAL NUMBER

ENGINE SERIAL NUMBER





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specifications

HORSEPOWER:*

PTO 59.44 hp.
 Drawbar 52.77 hp.

ENGINE:

Type 4-cylinder, in-line, valve-in-head
 Engine speeds:
 Slow idle 600 rpm
 Working speeds 1500 to 2200 rpm
 Transport speeds Up to 2500 rpm
 PTO speed 1900 rpm
 Bore and stroke 4-1/8 in. x 4-3/4 in.
 Displacement 254 cu. in.
 Compression ratio 16.5 to 1
 Firing order 1-3-4-2
 Valve clearance 0.018 in.
 Injection pump timing 10 degrees BTDC

GROUND SPEEDS:**

1st 1-3/4 mph
 2nd 2-1/2 mph
 3rd 3-1/4 mph
 4th 4-1/4 mph
 5th 5-1/4 mph
 6th 7 mph
 7th 8-3/4 mph
 8th 14-1/2 mph
 3rd reverse 3-1/4 mph
 5th reverse 5 mph
 7th reverse 8-1/2 mph

*Maximum observed horsepower at 2200 engine rpm (Nebraska test No. 762).

CAPACITIES:

Fuel tank 29 U.S. gals.
 Crankcase 8 U.S. qts.
 Hydraulic system 9-1/2 U.S. gals.
 Air cleaner 2 U.S. qts.
 Cooling system 16 U.S. qts.
 Belt pulley 2-1/2 U.S. pints

CLUTCH: Single 11-in. plate, automatic-type, foot-operated

LUBRICATION SYSTEM: . . . Force-feed pressurized type with full-flow oil filter

FUEL SYSTEM:

Type Direct injection
 Injection pump type Inlet metering, distributing type

Air cleaner Oil-wash type

COOLING SYSTEM:

Type Pressurized with centrifugal pump

Engine temperature control Heavy-duty thermostat

ELECTRICAL SYSTEM:

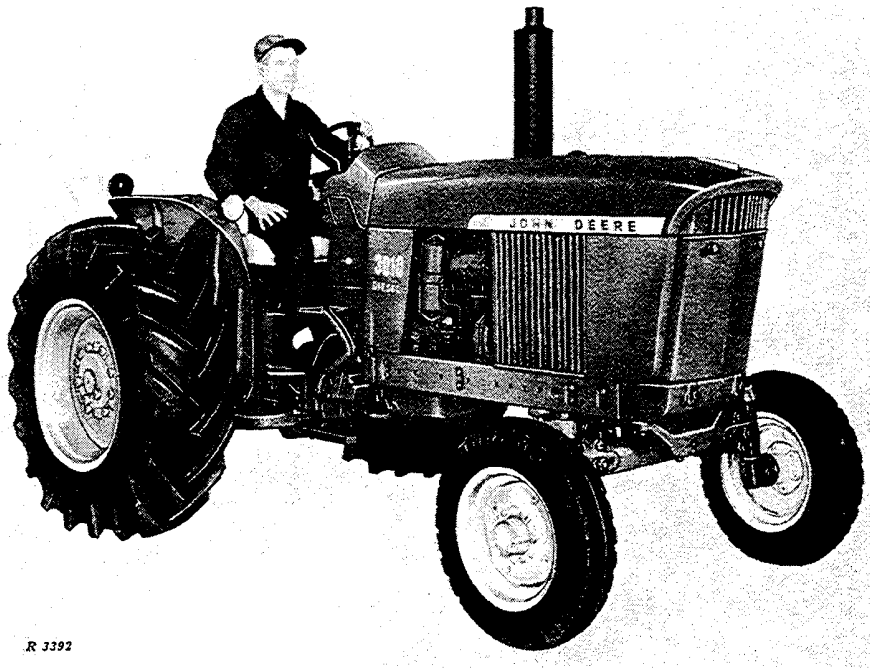
Type 24-volt, split load system

Starter, generator voltage 24 volts

Lights, accessory voltage 12 volts

Batteries Two 12-volt, 78-plate, 70-ampere-hour, SAE 3 EM agricultural type, connected in series

**Calculated at 1900 rpm engine speed only. For ground speeds at 1500 through 2500 rpm engine speeds, see page 14.



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John Deere 3010 Row-Crop Utility Diesel Tractor

TRANSMISSION:

Type Syncro-Range, constant mesh
 Gear selections 8 forward and 3 reverse
 Shifting 4 stations, synchronized shifting within stations

HYDRAULIC SYSTEM:

Type Closed center, constant pressure. Includes power steering, power brakes, implement control, and transmission differential lubrication

Maximum pressure 2250 psi

BRAKES: Hydraulically power actuated, disk-type, operating in oil

POWER TAKE-OFF:

Type Independent, dual-speed PTO with front and rear power take-off. Rear stub shafts for PTO speed conversion

Speed (1900 engine rpm) . . . Front - 1000 (see page 40)
 Rear - 540 or 1000

Rear PTO ahead of drawbar hitch point 540 rpm - 14 in., 1000 rpm - 16 in.

PTO shaft above ground 18-1/2 in.

PTO CLUTCH: Single 10-in. plate, automotive type, hand-operated

BELT PULLEY (SPECIAL EQUIPMENT):

Diameter 12 in.
 Width 8-1/2 in.
 Engine speed 1900 rpm
 Pulley speed 980 rpm
 Belt speed 3077 ft/min.

FRONT TIRES

Size 6.50-16, 6-ply
 7.50-16, 6-ply

REAR TIRES

Size 13.6-28, 6-ply
 14.9-28, 6-ply
 16.9-24, 6-ply

FRONT WHEEL TREAD

Fixed tread front axle 54-3/4 and 60 in.
 Adjustable tread front axle 49-1/4 to 78-1/2 in.

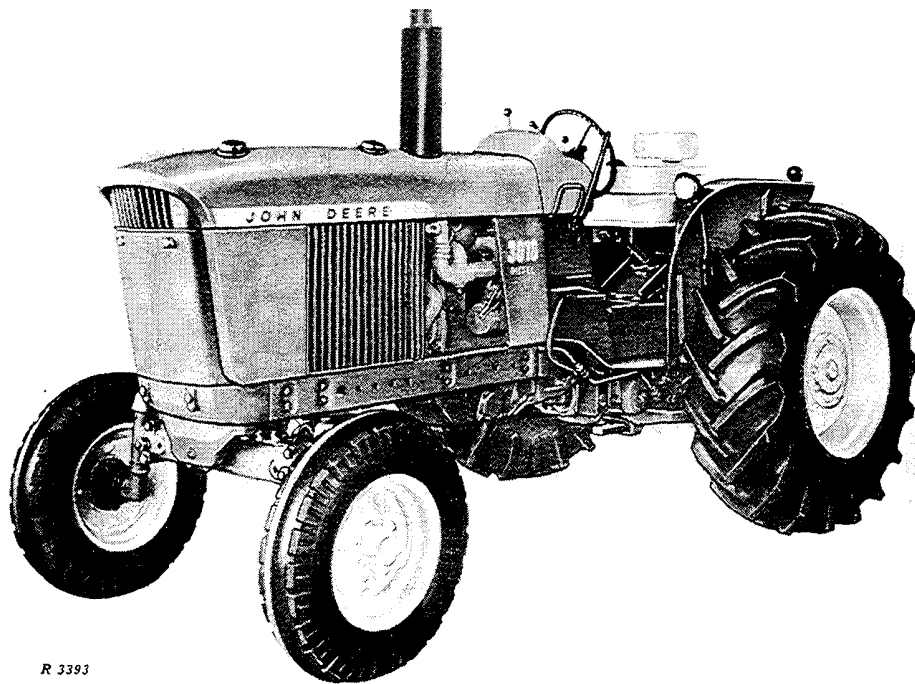
REAR WHEEL TREAD

Regular 24-in. wheel 62 and 78 in.
 Regular 28-in. wheel 60 and 80 in.
 Power-adjusted 24-in. wheel 58 to 78 in.
 Power-adjusted 28-in. wheel 56 to 78 in.

DIMENSIONS:

Wheel base (long or short optional) . 92-3/4 or 81-1/2 in.
 Over-all length 134-1/2 in.
 Over-all height 86-3/4 in.
 Height to steering wheel 64 in.
 Width 70 in.
 Clearance 17-7/16 in.
 Turning radius 120 in.

SHIPPING WEIGHT: 5624 lbs.



R 3393

John Deere 3010 Row-Crop Utility Diesel Tractor

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