

# John Deere 3010 Row-Crop and Standard Tractors



JOHN DEERE

## OPERATORS MANUAL

John Deere 3010 Row-Crop and  
Standard Tractors

OMR32385 I5 English

OMR32385 I5

LITHO IN U.S.A.  
ENGLISH





# to the purchaser

Your versatile new John Deere Tractor meets the exacting requirements of modern farming.

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 special features of this great 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.

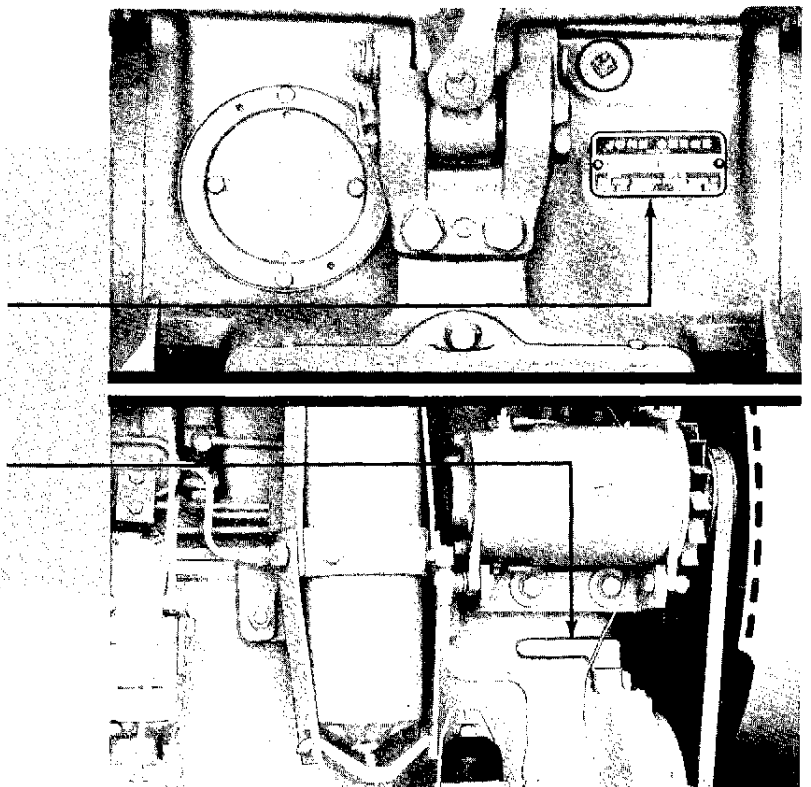
Your John Deere dealer wants to help you get the most value from your tractor. His skilled servicemen can handle every job efficiently. These men are trained in modern service methods; they have all necessary tools and equipment. If new parts are needed, only genuine John Deere parts will be installed.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

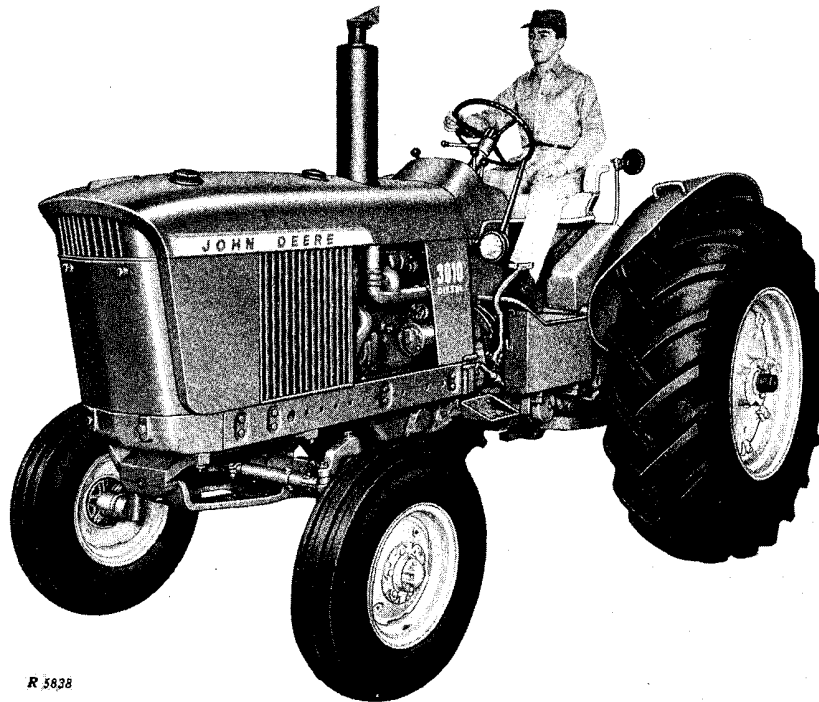
**ENGINE SERIAL NUMBER**





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R 5638

*John Deere 3010 Standard Diesel Tractor*



# specifications

## HORSE POWER: \*

	Diesel	Gasoline	LP-Gas
PTO .....	59.44 h.p.	55.60 h.p.	55.39 h.p.
Drawbar .....	54.54 h.p.	52.00 h.p.	50.25 h.p.

## ENGINE:

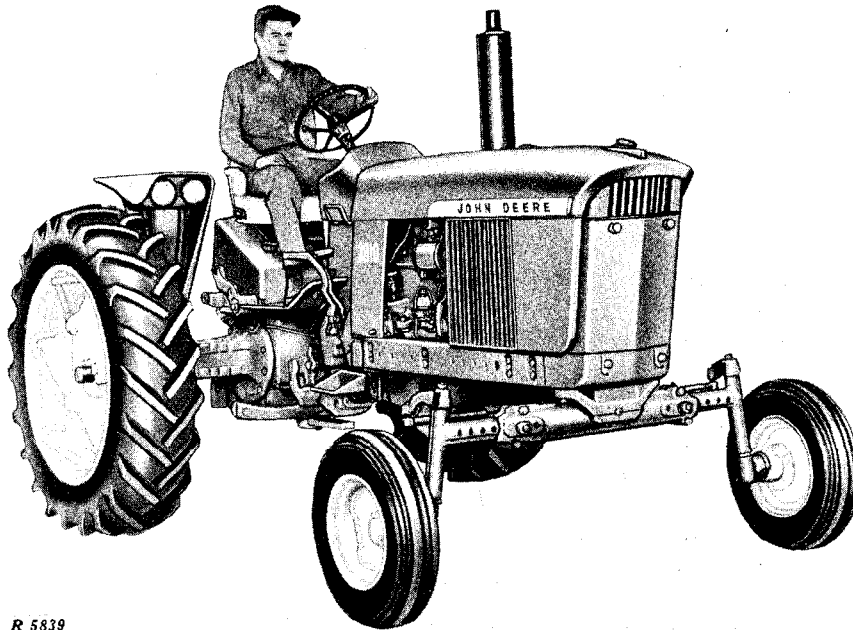
Type .....	4-cylinder, in-line, valve-in-head		
Engine speeds:			
Idle for engine shutoff .....	.....	420 rpm	500 rpm
Normal slow idle .....	600 rpm	650 rpm	650 rpm
Working range .....	1500 to 2200 rpm	1500 to 2200 rpm	1500 to 2200 rpm
Maximum transport speed .....	2500 rpm	2500 rpm	2500 rpm
Bore and stroke .....	4-1/8 in. x 4-3/4 in.	4 in. x 4 in.	4 in. x 4 in.
Displacement .....	254 cu. in.	201 cu. in.	201 cu. in.
Compression ratio .....	16.5 to 1	7.5 to 1	9.0 to 1
Firing order .....	1-3-4-2	1-3-4-2	1-3-4-2
Intake valve clearance .....	0.018 in.	0.015 in.	0.015 in.
Exhaust valve clearance .....	0.018 in.	0.028 in.	0.028 in.
Injection pump timing .....	10° BTDC	.....	.....
Distributor timing .....	.....	20° BTDC	25° BTDC
Distributor point gap .....	.....	0.022 in.	0.022 in.
Spark plug gap .....	.....	0.025 in.	0.015 in.

## ELECTRICAL SYSTEM:

	Diesel	Gasoline	LP-Gas
Starter and generator voltage .....	24 volts	12 volts	12 volts
Lights and accessory voltage .....	12 volts	12 volts	12 volts
12-volt battery, 78-plate, 75 amp-hour .....	Two (connected in series)	One	One

\*Maximum observed horsepower at 2200 engine rpm (Nebraska Test Nos. 762 for diesel, 763 for gasoline, 764 for LP-Gas)

Specifications and design subject to change without notice.



R 5839

John Deere 3010 Row-Crop Gasoline Tractor (Adjustable Front Axle)

**COOLING SYSTEM:**

Type . . . . . Pressurized with centrifugal pump

Engine temperature control . . . . . Heavy-duty thermostat

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

**CAPACITIES:**

Fuel tank . . . . . Diesel and gasoline—29 U.S. gals.  
LP-Gas—(80% full) 25 U.S. gals.

**Crankcase:**

When lubrication system is dry . . . . . 9 U.S. qts.

At service intervals . . . . . 8 U.S. qts.

**Hydraulic system:**

When system is dry . . . . . 11 U.S. gals.

At service intervals . . . . . 9-1/2 U.S. gals.

Air cleaner . . . . . Diesel—4 U.S. pints  
Gasoline, LP-Gas—2-1/4 U.S. pints

Cooling system . . . . . 16 U.S. qts.

Belt pulley . . . . . 2-1/2 U.S. pints

**TRANSMISSION:**

Type . . . . . Syncro-Range, constant mesh

Gear selections . . . . . 8 forward and 3 reverse

Shifting . . . . . 4 stations, synchronized shifting within stations

**POWER TAKE-OFF:**

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

Speed (1900 engine rpm) . . . . . Front—1000 rpm (see page 32)  
Rear—540 or 1000 rpm

**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

**GROUND SPEEDS:\*\***

1st . . . . .	1-3/4 mph
2nd . . . . .	2-3/4 mph
3rd . . . . .	3-1/2 mph
4th . . . . .	4-1/2 mph
5th . . . . .	5-1/2 mph
6th . . . . .	7-1/2 mph
7th . . . . .	9-1/4 mph
8th . . . . .	15-1/4 mph
3rd reverse . . . . .	3-1/2 mph
5th reverse . . . . .	5-1/2 mph
7th reverse . . . . .	9- mph

**FRONT WHEEL TREAD:** See pages 12 and 13

**REAR WHEEL TREAD:** See pages 14 and 16

	Row-Crop	Standard
<b>FRONT TIRES:***</b>	6.00-14, 6-ply	7.50-16, 6-ply
	6.00-16, 6-ply	

<b>REAR TIRES:***</b>	13.9-36, 6-ply	18.4-30, 6-ply
	13.6-38, 6-ply	

**DIMENSIONS:**

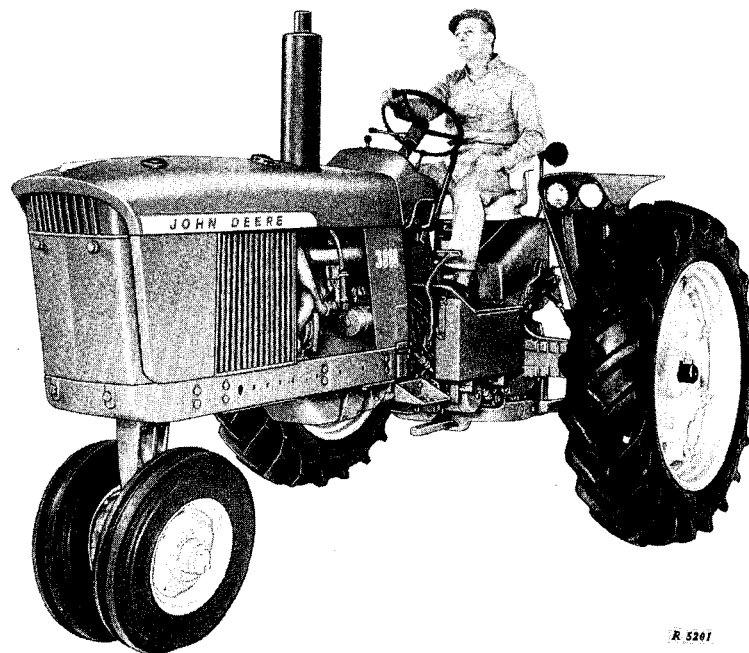
Wheelbase	90 in.	81-1/2 or 92-3/4 in.
Over-all length	138-1/2 in.	138-1/2 in.
Over-all height	86-5/8 in.	85-1/2 in.
Height to steering wheel	74-1/2 in.	77-1/2 in.
Width (regular axle)	86-5/8 in.	86-5/8 in.
Turning radius	103-1/2 in.	110 in.

**SHIPPING WEIGHT** (With equipment for average field service, less fuel and ballast):

	Row Crop	Standard
Diesel	6003 lbs.	6436 lbs.
Gasoline	5807 lbs.	6240 lbs.
LP-Gas	5936 lbs.	6359 lbs.

\*\*Calculated at 1900 rpm engine speed only. For ground speeds at 1500 through 2500 rpm engine speeds, see page 11.

\*\*\*Additional tires available for special purposes.



R 5201

John Deere 3010 Row-Crop LP-Gas Tractor

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button below to download the  
complete manual.



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