

# 4010 ROW-CROP AND STANDARD TRACTORS



JOHN DEERE

## OPERATORS MANUAL 4010 ROW-CROP AND STANDARD TRACTORS

OMR32129 A9 English

JOHN DEERE TRACTOR WORKS  
OMR32129 A9

LITHO IN THE 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.

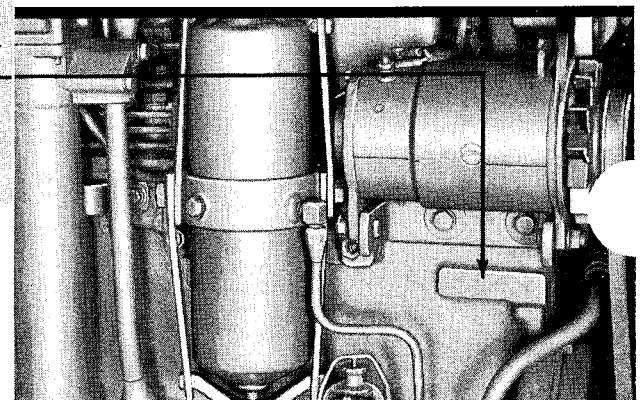
Your John Deere dealer wants to help you get the most value from your tractor. His skilled servicemen can handle every job efficiently. These men are trained in modern service methods; they have all necessary tools and equipment. If new parts are needed, only genuine John Deere parts will be installed.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

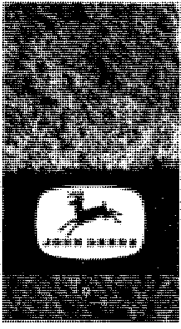
When in need of new parts, be prepared to furnish your dealer with the engine serial number, the tractor chassis serial number, and the tractor model number. The location of the serial numbers is illustrated below. For ready reference, record the numbers in the spaces provided.

**FILL IN THESE SPACES**

**CHASSIS SERIAL NUMBER**

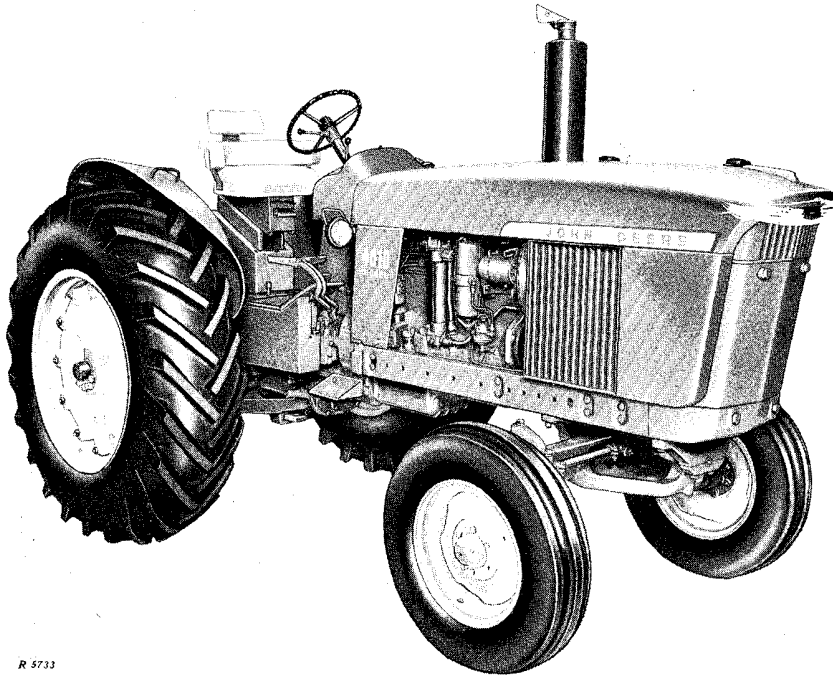
**ENGINE SERIAL NUMBER**





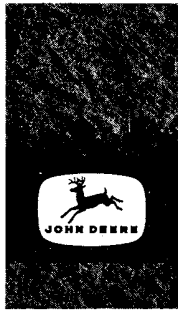
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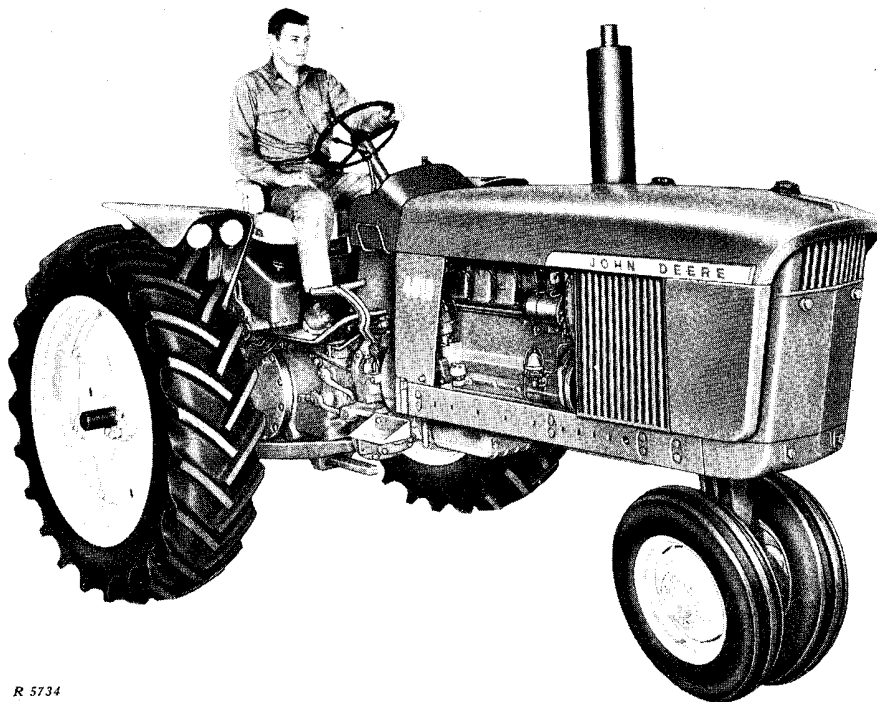
*John Deere 4010 Standard Diesel Tractor*



# specifications

HORSEPOWER:*	Diesel	Gasoline	LP-Gas
PTO . . . . .	84 h.p.	80.96 h.p.	80.60 h.p.
Drawbar . . . . .	73.65 h.p.	72.53 h.p.	72.13 h.p.
<b>ENGINE:</b>			
Type . . . . .	6-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 . . . . .	380 cu. in.	302 cu. in.	302 cu. in.
Compression ratio . . . . .	16.5 to 1	7.5 to 1	9.0 to 1
Firing order . . . . .	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4
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 . . . . .	14° BTDC	.....	.....
Distributor timing . . . . .	.....	20° BTDC	25° BTDC
Distributor point gap . . . . .	.....	See page 57	See page 57
Spark plug gap . . . . .	.....	0.025 in.	0.015 in.
<b>ELECTRICAL SYSTEM:</b>			
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. 761 for diesel, 759 for gasoline, 760 for LP-Gas)



R 5734

John Deere 4010 Row-Crop Gasoline Tractor

**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—34 U.S. gals.  
 . . . . . LP-Gas—(80% full) 39 U.S. gals.  
 Crankcase (Dry measurement) . . . . . 9 U.S. qts.  
 Hydraulic system (Dry measurement) . . . 12-3/4 U.S. gals.  
 Air cleaner . . . . . Diesel—4-3/4 U.S. pints  
 . . . . . Gasoline, LP-Gas—2-3/4 U.S. pints  
 Cooling system . . . . . Diesel—23 U.S. qts.  
 . . . . . Gasoline, LP-Gas—24 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

*Specifications and design subject to change without notice.*

**GROUND SPEEDS:\*\***

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

**FRONT TIRES\*\*\***

Row-crop . . . . . 6.00-16, 6-ply  
 Standard . . . . . 7.50-18, 6-ply

**REAR TIRES:\*\*\***

Row-crop . . . . . 15.5-38, 6-ply  
 Standard . . . . . 18.4-34, 6-ply

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

**REAR WHEEL TREAD:**

Regular and offset wheels . . . . . See page 14  
 Power adjusted wheels . . . . . See page 16

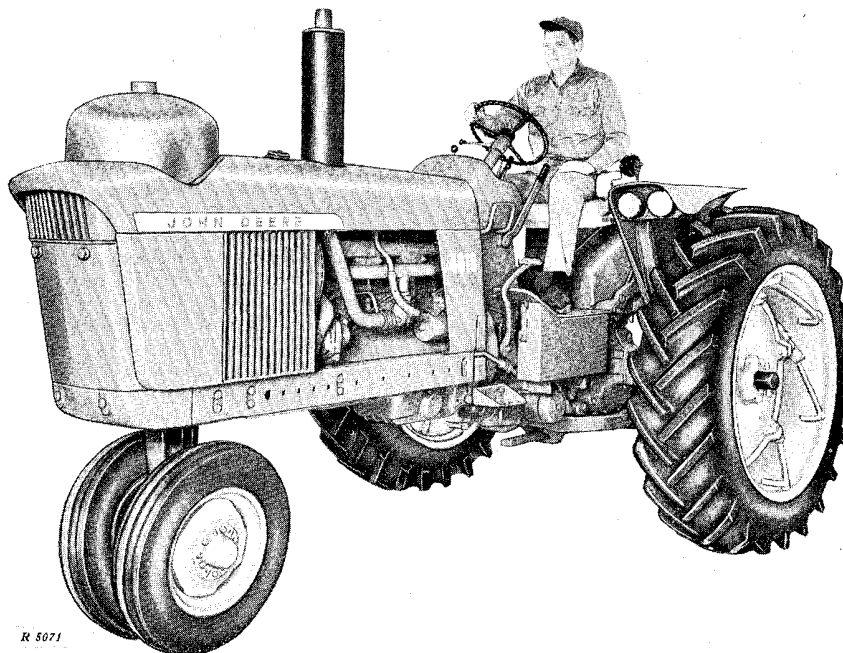
**DIMENSIONS:**

	Row-Crop	Standard
Wheelbase	96-1/2 in.	88 or 99-1/4 in.
Over-all length	150 in.	149-1/8 in.
Over-all height	88-3/4 in.	88-1/4 in.
Height to steering wheel	77-7/8 in.	78-1/2 in.
Width (regular axle)	89-5/8 in.	89-5/8 in.
Turning radius	117 in.	129 in.

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

	Row-Crop	Standard
Diesel	8081 lbs.	7954 lbs.
Gasoline	7652 lbs.	7651 lbs.
LP-Gas	8004 lbs.	7770 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.



John Deere 4010 Row-Crop LP-Gas Tractor

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