

John Deere 3020 Row Crop Utility and Grove and Orchard Tractors



JOHN DEERE

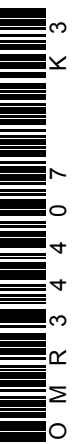
OPERATORS MANUAL

John Deere 3020 Row Crop Utility and
Grove and Orchard Tractors

OMR34407 K3 English

John Deere Waterloo Works
OMR34407 K3

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

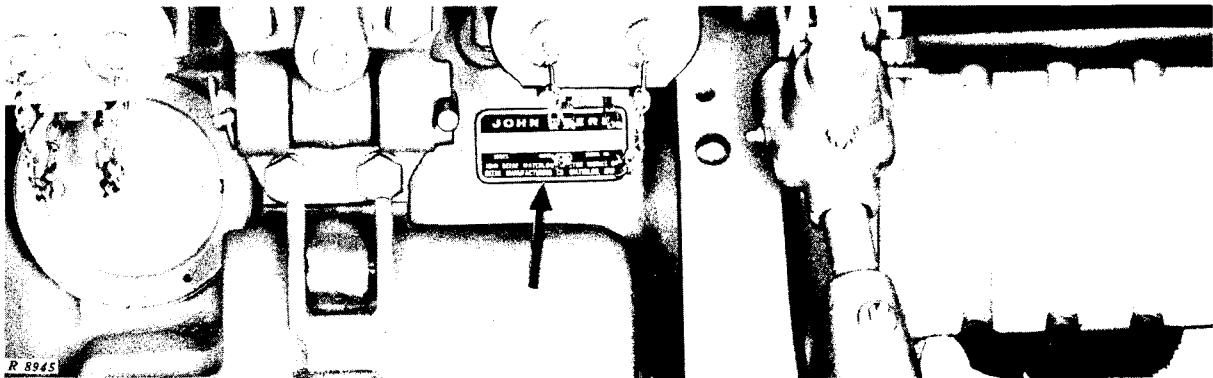
We are confident this modern tractor, combined with equally advanced John Deere tools and implements, will help you to farm better, easier, and more profitably.

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.

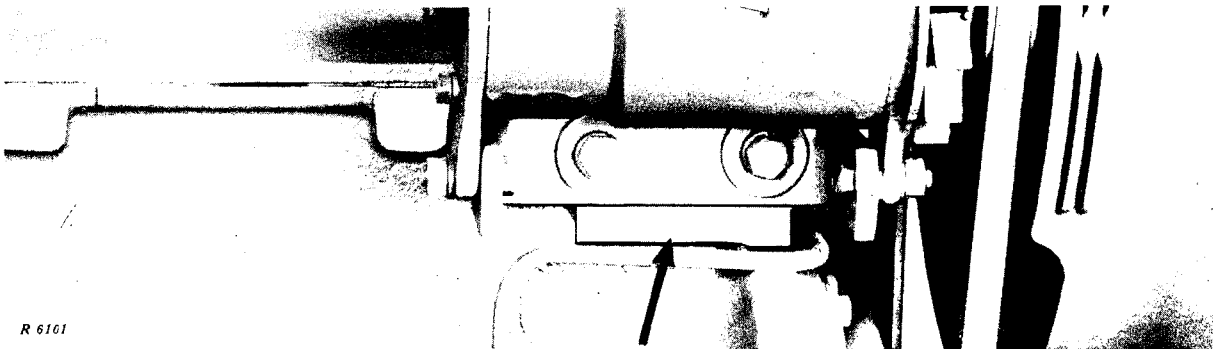
The service policy which you received with your new tractor certifies that the tractor was properly inspected and prepared for delivery by your John Deere dealer. Keep this policy in a safe place and present it to the dealer whenever services which it authorizes are required.

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.

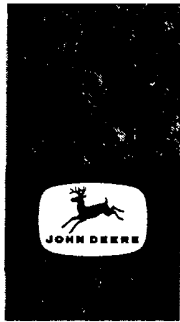
When in need of new parts, be prepared to furnish your dealer with the engine serial number, the tractor chassis serial number, and the tractor series number. For ready reference, locate and record the serial numbers in the spaces provided in the following illustrations.



Record Tractor Chassis Serial Number

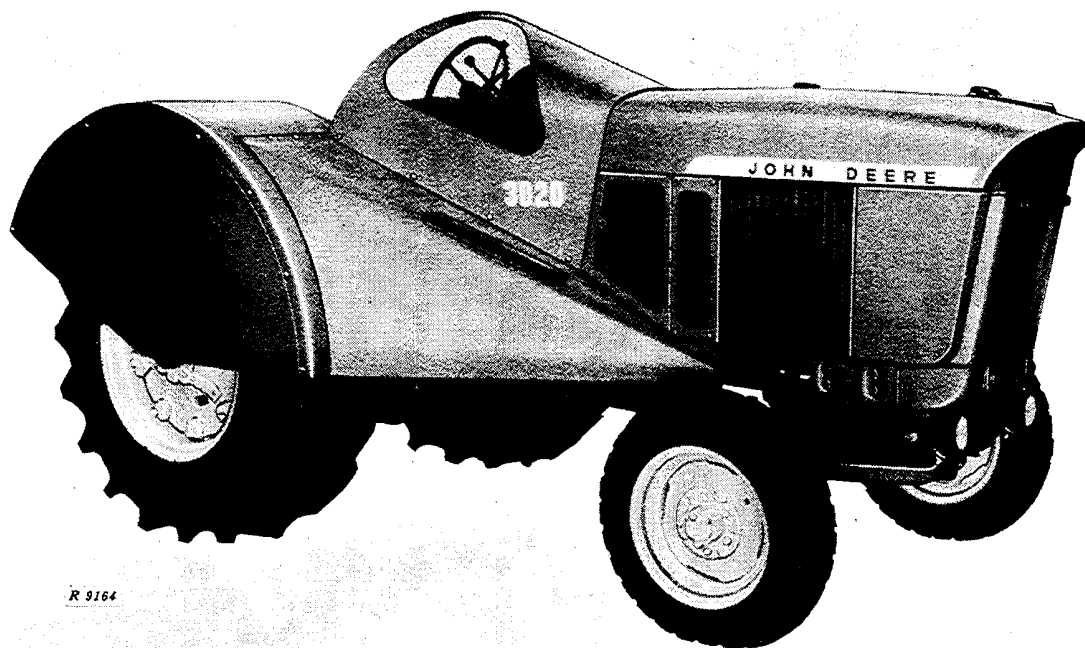


Record Engine Serial Number



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R 9164

John Deere 3020 Grove and Orchard Tractor with Gasoline Engine

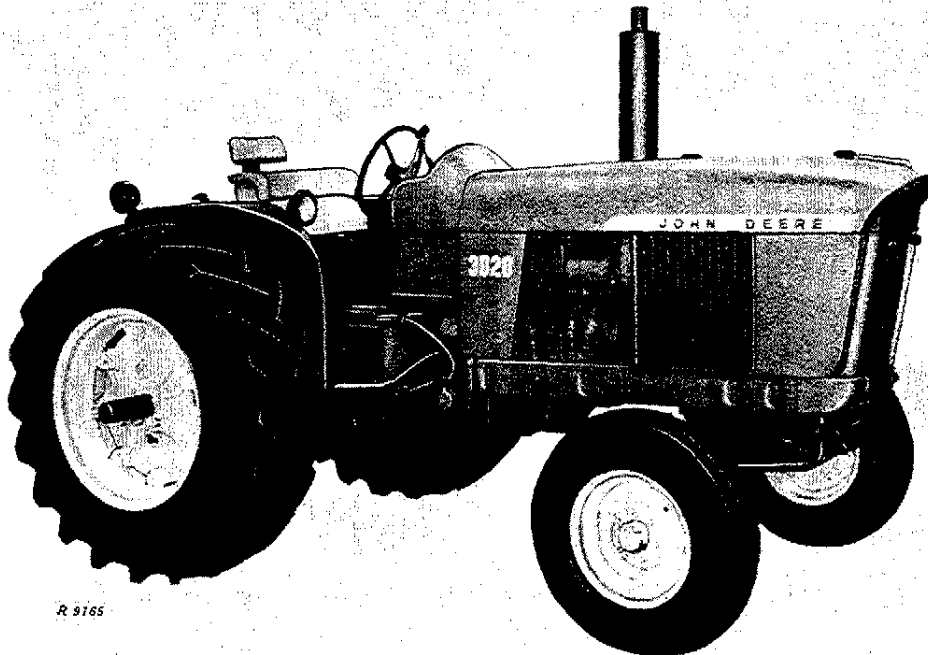


SPECIFICATIONS

HORSEPOWER:*	Diesel	Gasoline	LP-Gas**
PTO (observed)	65 h.p.	64 h.p.	64 h.p.
Drawbar (observed)	57 h.p.	55 h.p.	56 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 2500 rpm	1500 to 2500 rpm	1500 to 2500 rpm
Bore and stroke	4-1/4 in. x 4-3/4 in.	4-1/4 in. x 4 in.	4-1/4 in. x 4 in.
Displacement	270 cu. in.	227 cu. in.	227 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	14° BTDC	.....	.....
Distributor timing (see page 64 for engine speed) .....	.....	20° BTDC	25° BTDC
Distributor point gap .....	.....	0.022 in.	0.022 in.
Spark plug gap .....	.....	0.025 in.	0.015 in.
ELECTRICAL SYSTEM:			
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

*Above observed horsepower figures are official at 2500 engine rpm.

**Available for Row-Crop Utility Tractors only.



R 9165

John Deere 3020 Row-Crop Utility Tractor with Gasoline Engine and Syncro-Range Transmission

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