

3020 ROW-CROP UTILITY AND GROVE AND ORCHARD TRACTORS (SERIAL NO. 68000-UP)



JOHN DEERE

OPERATORS MANUAL

3020 ROW-CROP UTILITY AND GROVE
AND ORCHARD TRACTORS (SERIAL NO.
68000-UP)

OMR39666 D8 English

JOHN DEERE TRACTOR WORKS
OMR39666 D8

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.

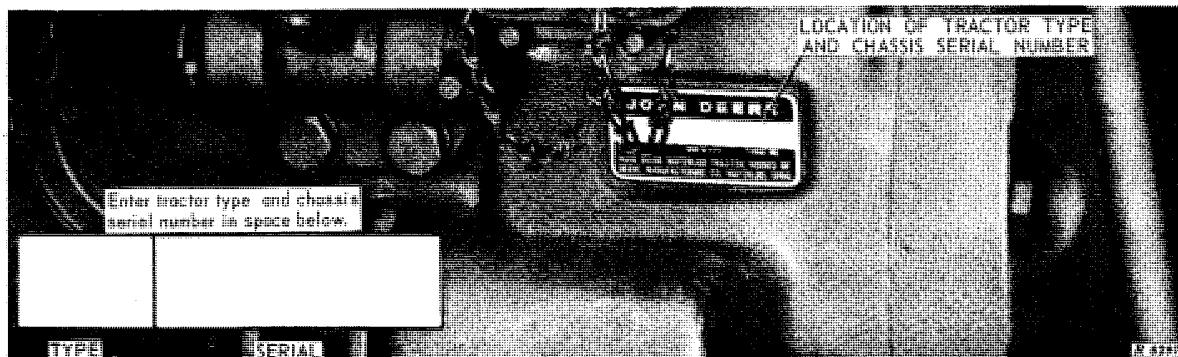
We are confident this modern tractor, combined with equally advanced John Deere tools and implements, will help you to farm better, easier, and more profitably.

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.

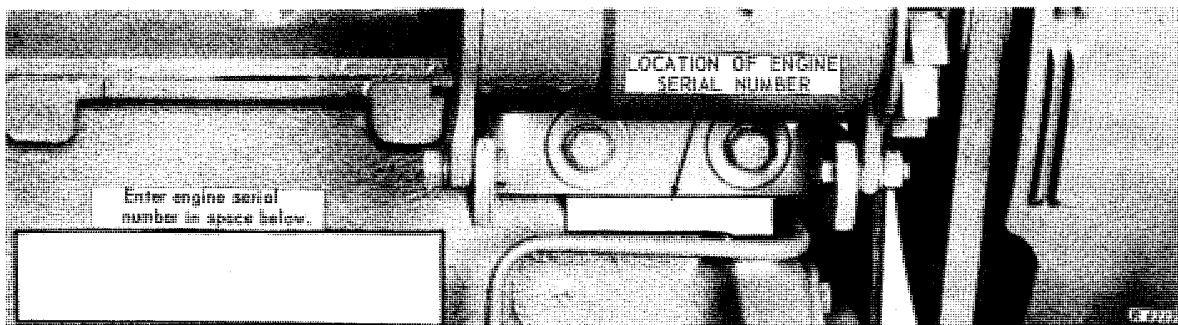
Information concerning the warranty on this tractor will be found on the inside back cover of this manual, and in your copy of the delivery receipt which you should have received from your dealer when the tractor was delivered to you.

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 tractor type, complete tractor chassis serial number, and complete engine serial number. For ready reference, locate and record the above information in the spaces provided in the illustrations below.



Tractor Chassis Serial Number

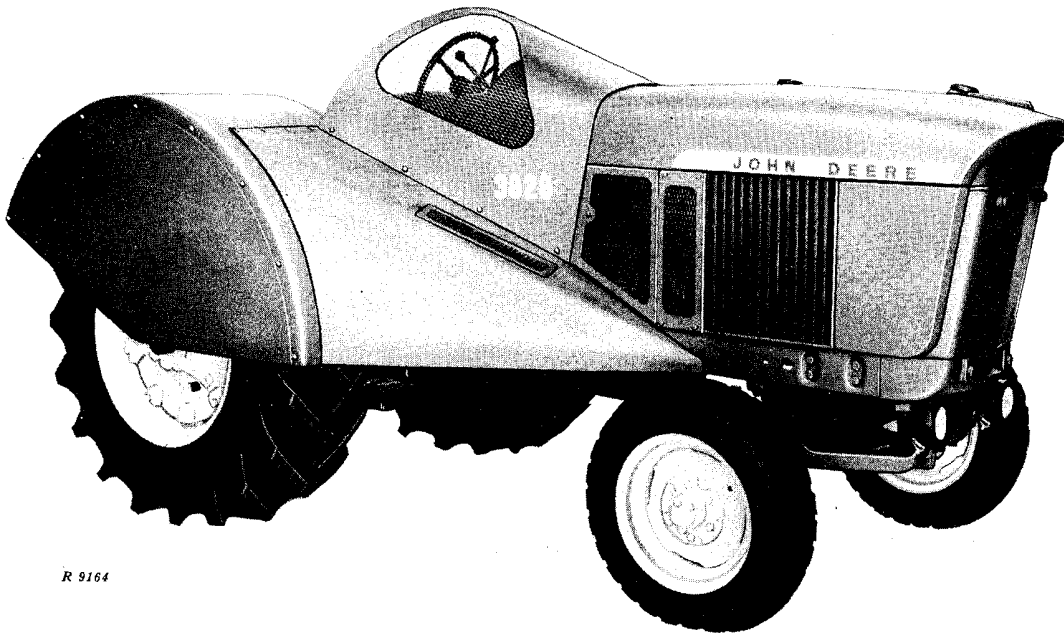


Engine Serial Number



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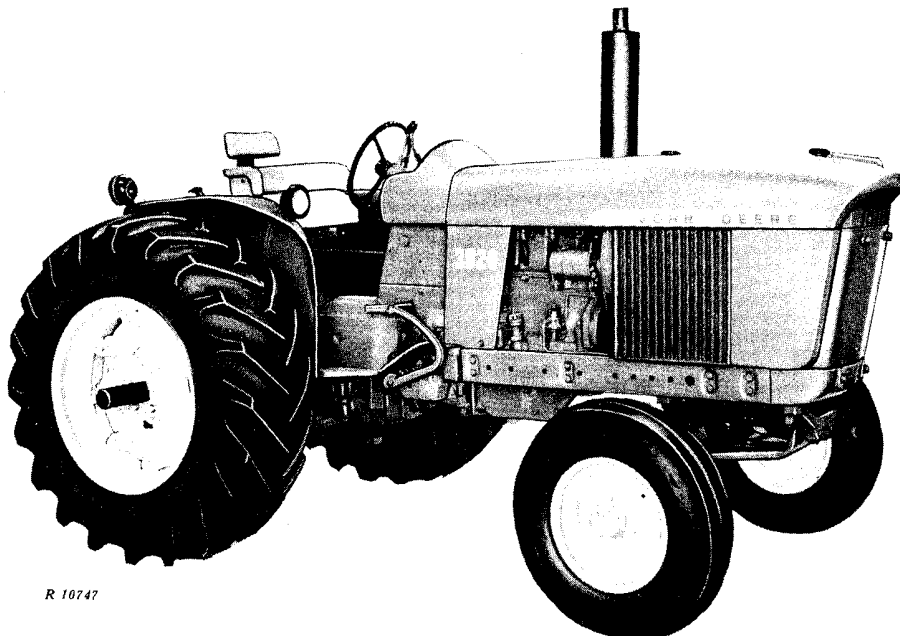
John Deere 3020 Grove and Orchard Tractor with Gasoline Engine



SPECIFICATIONS

HORSEPOWER (observed):			
PTO (Syncro-Range Transmission)*	Diesel	Gasoline	LP-Gas***
PTO (Power Shift Transmission)**	70 h.p.	70 h.p.	70 h.p.
Drawbar (Power Shift Transmission)**	65 h.p.	64 h.p.	64 h.p.
	57 h.p.	55 h.p.	56 h.p.
ENGINE:			
Type	4-cylinder, in-line, valve-in-head		
Engine speeds:			
Idle for engine shutoff	600 rpm	420 rpm	500 rpm
Normal slow idle	1500 to 2500 rpm	650 rpm	650 rpm
Working range	4-1/4 in. x 4-3/4 in.	1500 to 2500 rpm	1500 to 2500 rpm
Bore and stroke	270 cu. in.	4-1/4 in. x 4 in.	4-1/4 in. x 4 in.
Displacement	16.5 to 1	227 cu. in.	227 cu. in.
Compression ratio	1-3-4-2	7.5 to 1	9.0 to 1
Firing order	0.018 in.	1-3-4-2	1-3-4-2
Intake valve clearance	0.018 in.	0.015 in.	0.015 in.
Exhaust valve clearance	TDC	0.028 in.	0.028 in.
Injection pump timing			
Distributor timing (see page 60 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

* Maximum observed PTO horsepower at 2500 engine rpm (factory observed).
 ** Above observed horsepower figures are official at 2500 engine rpm.
 *** Available for Row-Crop Utility Tractors only.



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

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