

JOHN DEERE
3020
TRACTOR
(SERIAL NO. 150,001-)



OPERATORS MANUAL
JOHN DEERE 3020 TRACTOR
(SERIAL NO. 150,001-)

OMR48271 I1 English

JOHN DEERE WATERLOO WORKS
OMR48271 I1

LITHO IN THE 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.

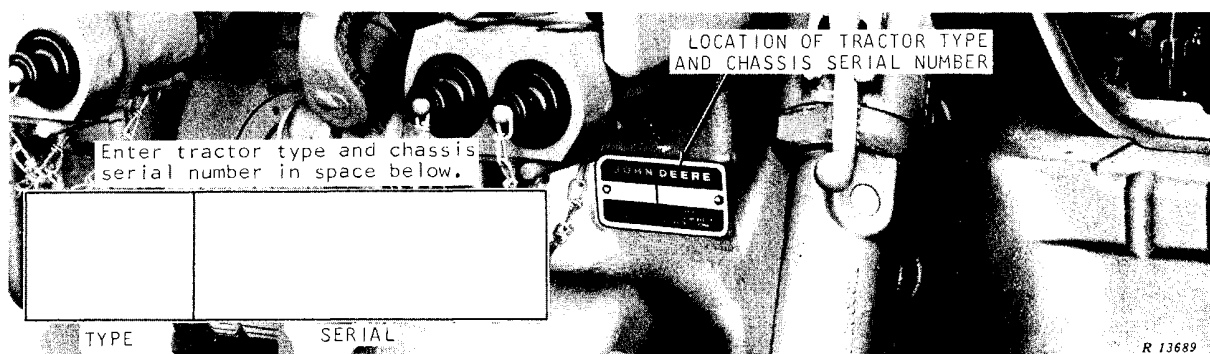
The warranty of this tractor appears on your copy of the purchase order which you should have received from your dealer when you purchased the tractor.

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.

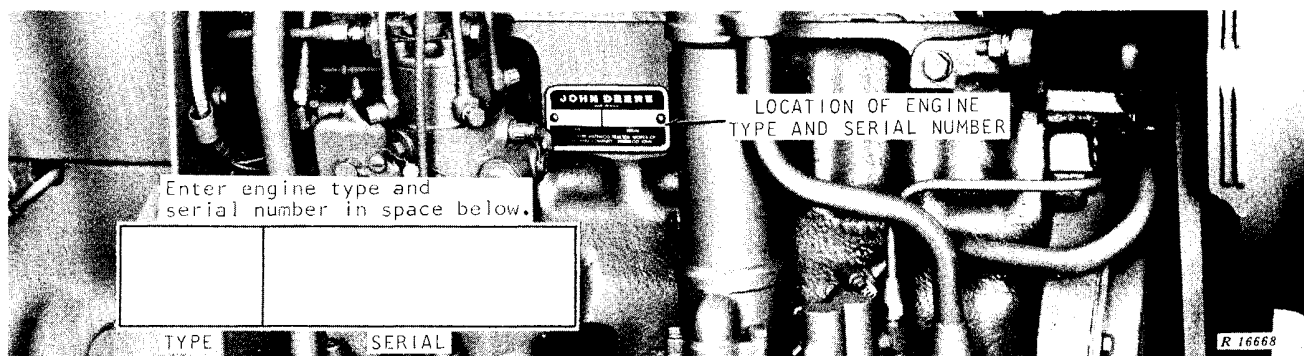
When in need of new parts, be prepared to furnish your dealer with the tractor type, complete tractor chassis serial number, engine type, and complete engine serial number. For ready reference, locate and record the above information in the spaces provided in the illustrations below.

"Right-hand" and "left-hand" sides are determined by facing in the direction of tractor forward travel.

 This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.



Tractor Type and Chassis Serial Number

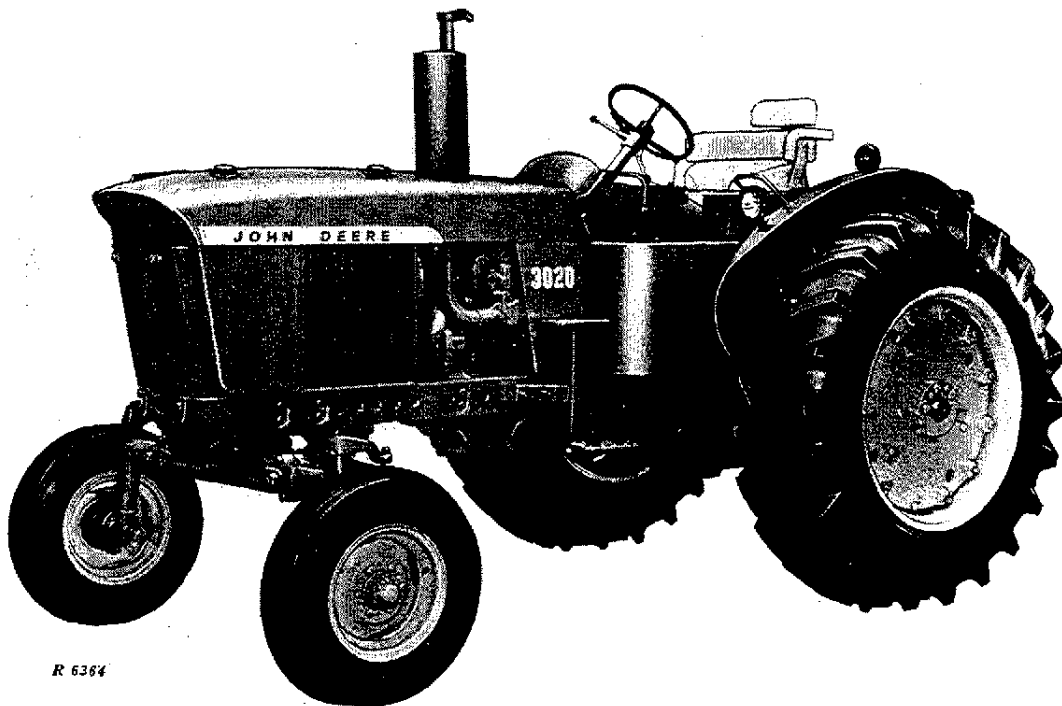


Engine Type and Serial Number



CONTENTS

	Page
SPECIFICATIONS	2
CONTROLS AND INSTRUMENTS	4
OPERATION	5
SAFETY RULES	44
FUELS AND LUBRICANTS	46
LUBRICATION AND PERIODIC SERVICE	50
SERVICE	61
TRACTOR STORAGE	78
TROUBLE SHOOTING	79
INDEX	86



R 6364

John Deere 3020 Standard Tractor with Gasoline Engine



SPECIFICATIONS

HORSEPOWER (observed):*	<i>Diesel</i>	<i>Gasoline</i>	<i>LP-Gas</i>
Syncro-Range Transmission	71.26 h.p.	71.37 h.p.	70.66 h.p.
Power-Shift Transmission	64.70 h.p.	67.13 h.p.	65.28 h.p.

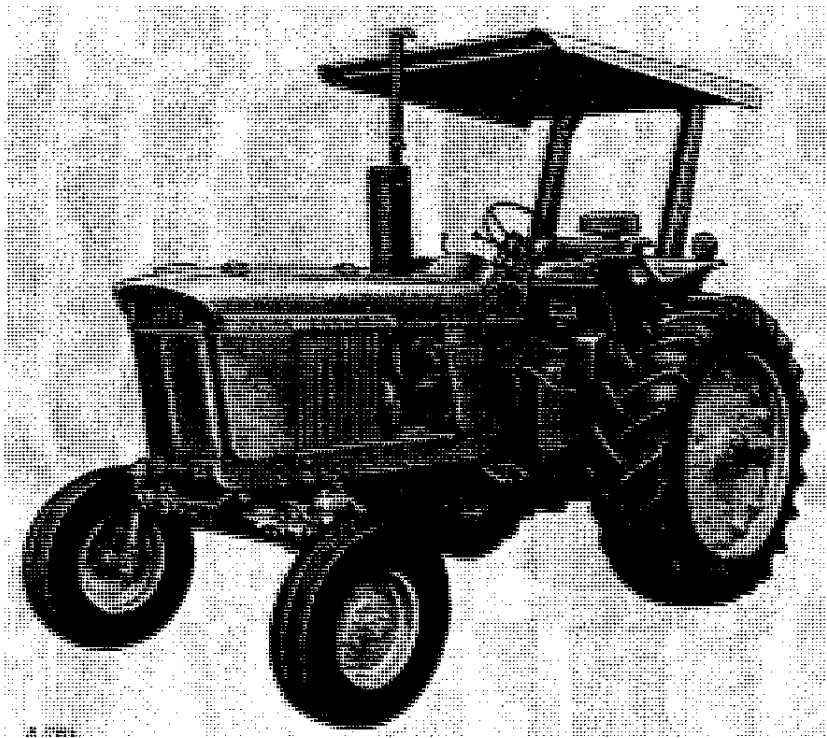
ENGINE:

Type	4-cylinder, in-line, valve-in-head		
Engine speeds:			
Normal slow idle	800 rpm	800 rpm	800 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 4-1/4 in.	4-1/4 in. x 4-1/4 in.
Displacement	270 cu. in.	241 cu. in.	241 cu. in.
Compression ratio	17.0 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. (hot)	0.028 in. (hot)
Injection pump timing	TDC	.....	.....
Distributor timing (see page 68 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:

Electrical system voltage	12 volts	12 volts	12 volts
Batteries (see page 72)	Two (connected in series)	One	One

*Maximum observed horsepower measured at the PTO at 2500 rpm in official tests.



John Deere 3020 Row-Crop Tractor with Gasoline Engine and Power Shift Transmission

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