

2520 ROW-CROP AND HI-CROP TRACTORS



JOHN DEERE

OPERATORS MANUAL 2520 ROW-CROP AND HI-CROP TRACTORS

OMR46010 C9 English

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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.

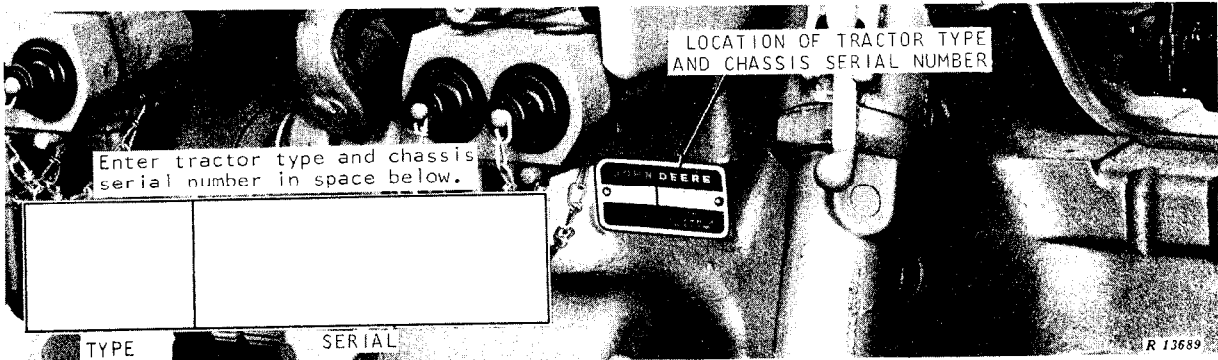
We are confident this modern tractor, combined with equally advanced John Deere tools and implements, will help you to farm better, easier, and more profitably.

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.

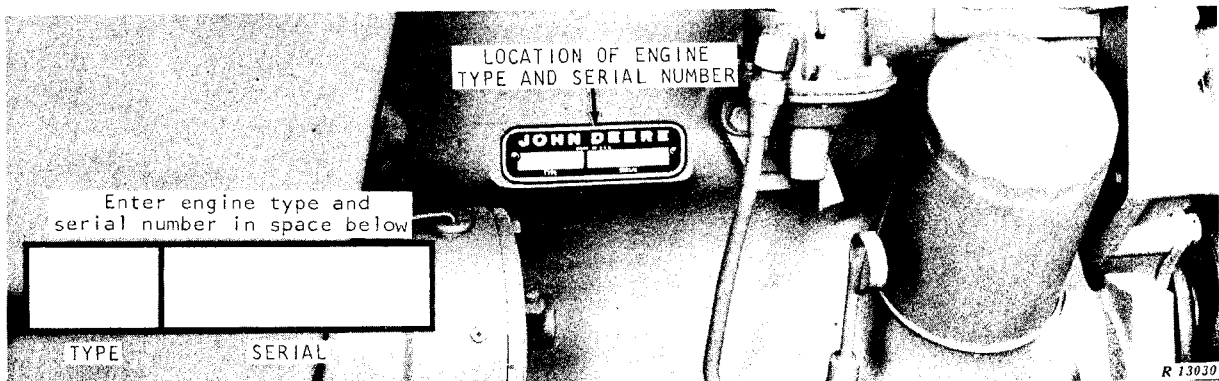
The warranty on this tractor appears on your copy of the Purchase Order which you should have received from your dealer when you purchased the tractor.

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.



Record Tractor Chassis Serial Number

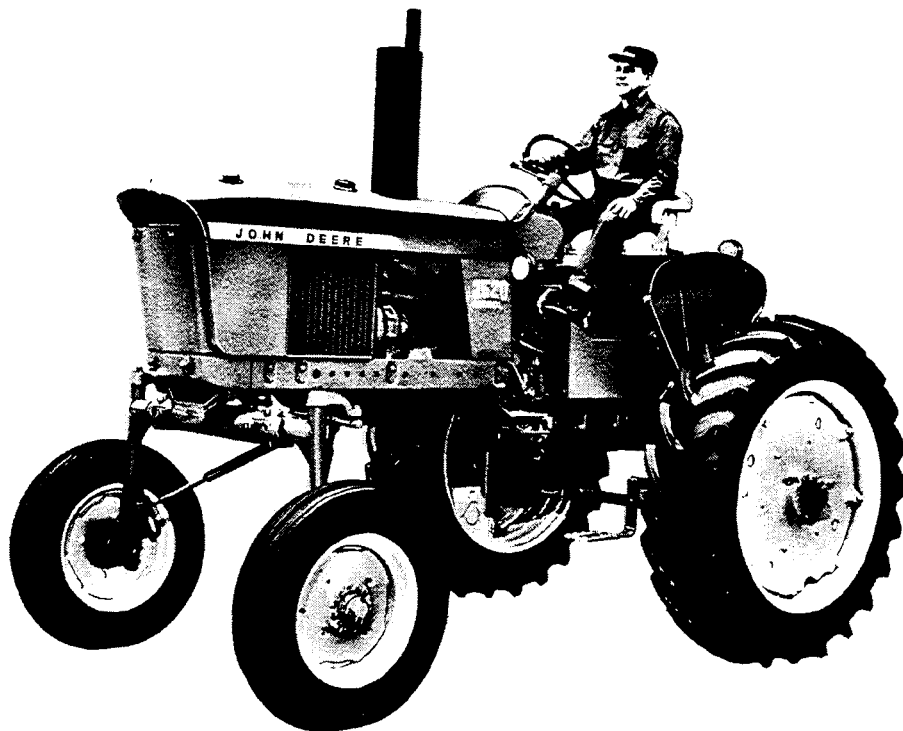


Record Engine Serial Number



CONTENTS

	Page
SPECIFICATIONS	2
CONTROLS AND INSTRUMENTS	4
OPERATION.	6
SAFETY RULES	43
FUELS AND LUBRICANTS	45
LUBRICATION AND PERIODIC SERVICE	48
SERVICE.	60
TRACTOR STORAGE	75
TROUBLE SHOOTING	76
INDEX.	81



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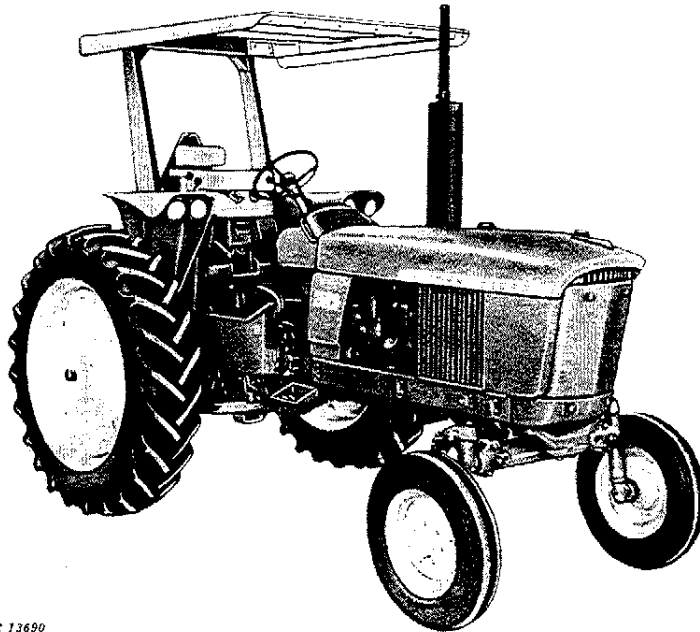
John Deere 2520 Hi-Crop Tractor with Diesel Engine and Power Shift Transmission



SPECIFICATIONS

HORSE POWER: *		Diesel	Gasoline
Observed at PTO (Syncro-Range)		59 h.p.	59 h.p.
Observed at PTO (Power Shift)		55 h.p.	55 h.p.
ENGINE:			
Type	4-cylinder, in-line, valve-in-head		
Engine speeds:			
Normal slow idle	800 rpm	800 rpm	
Working range	1500 to 2500 rpm	1500 to 2500 rpm	
Bore and stroke	4.02 in. x 4.33 in.	3.86 in. x 4.33 in.	
Displacement	219.4 cu. in.	202.7 cu. in.	
Compression ratio	16.3 to 1	7.6 to 1	
Firing order	1-3-4-2	1-3-4-2	
Intake valve clearance	0.014 in.	0.014 in.	
Exhaust valve clearance	0.018 in.	0.022 in.	
Injection pump timing	TDC	
Distributor timing (2500 rpm engine speed)		'S' mark	
Distributor point gap		0.020 in.	
Spark plug gap		0.025 in.	
ELECTRICAL SYSTEM:			
Electrical system voltage	12 volts	12 volts	
12-volt battery, 78-plate, 78 amp-hour.		One	
6-volt battery, 75-plate, 172 amp-hour.	Two	

*Maximum observed horsepower at 2500 engine rpm.



R 13690

John Deere 2520 Row-Crop Tractor with Gasoline Engine and Syncro-Range Transmission, Equipped with Roll-Gard and Canopy

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 -- 26 U.S. gals.

Crankcase (includes filter) -- 6 U.S. qts.

Transmission-hydraulic system:

 Syncro-Range Dry system -- 11 U.S. gals.

 At service intervals -- 8 U.S. gals.

 Power Shift Dry system -- 14 U.S. gals.

 At service intervals -- 11 U.S. gals.

Cooling system -- 14 U.S. qts.

Hi-crop final drive housings -- 1-3/4 U.S. qts.

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

SYNCRO-RANGE TRANSMISSION:

Type Syncro-Range, constant mesh

Gear selections 8 forward and 2 reverse

Shifting 4 stations, synchronized shifting within stations

POWER SHIFT TRANSMISSION:

Type Planetary gears, hydraulically actuated wet disk clutches and brakes

Gear selections 8 forward and 4 reverse

Shifting Hydraulic, powershifting controlled by speed selector

POWER TAKE-OFF:

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

Speed (2100 engine rpm) Front—1000 rpm

 Dual speed rear—540 or 1000 rpm

 Single speed rear—1000 rpm

Specifications and design subject to change without notice.

HYDRAULIC SYSTEM:

Type Closed center, constant pressure. Includes power steering, power brakes, and implement control

Maximum pressure 2250 psi

BRAKES Hydraulically power actuated, disk-type, operating in oil, provision for manual brakes

GROUND SPEEDS See page 13

FRONT TIRES**

Row-crop 6.00 - 16, 6-ply

Hi-crop 7.50 - 20, 6-ply

REAR TIRES**

Row-crop 13.6 - 38, 6-ply

Hi-crop 13.6 - 38, 6-ply

FRONT WHEEL TREAD See page 17

REAR WHEEL TREAD:

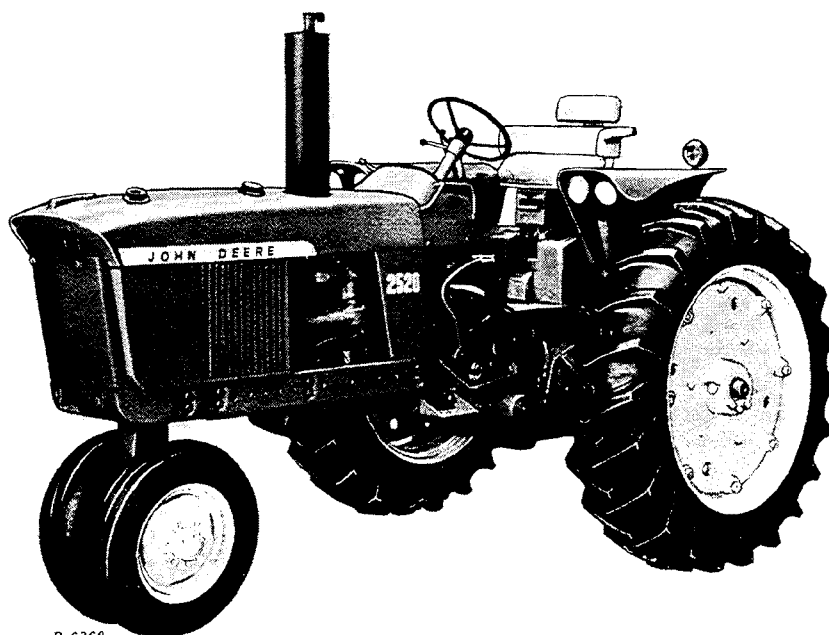
Regular and offset wheels See page 19

DIMENSIONS	Row-Crop	Hi-Crop
Wheel base	90 in.	92.8 in.
Over-all length	140 in.	140 in.
Height to steering wheel	74.4 in.	89.9 in.
Width (regular axle)	86.2 in.	95.4 in.
Turning radius	108 in.	148 in.

SHIPPING WEIGHT (With equipment for average field service, less fuel and ballast.) Subtract 255 lbs. if tractor has Syncro-Range transmission:

Diesel	Row-Crop 6350 lbs.	Hi-Crop 7380 lbs.
Gasoline	6200 lbs.	7230 lbs.

***Additional tires available for special purposes.*



R 6360

John Deere 2520 Row-Crop Tractor with Gasoline Engine, Syncro-Range Transmission, and Roll-O-Matic

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