



2520 Tractor



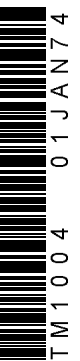
TECHNICAL MANUAL 2520 Tractor

TM1004 (01JAN74) English



John Deere Waterloo Works
TM1004 (01JAN74)

LITHO IN U.S.A.
ENGLISH



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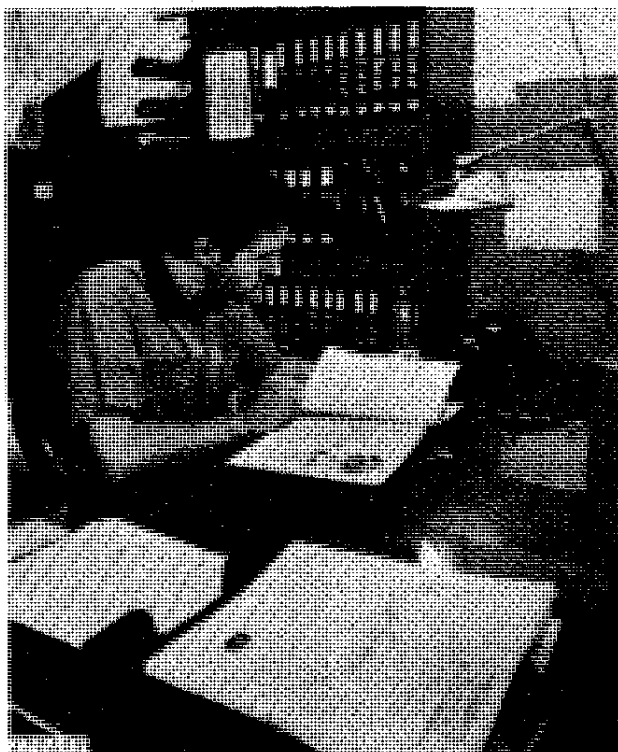
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INTRODUCTION



Use FOS Manuals for Reference



Use Technical Manuals for Actual Service

This technical manual is part of a twin concept of service:

- **FOS Manuals—**for reference
- **Technical Manuals—**for actual service

The two kinds of manuals work as a team to give you both the general background and technical details of shop service.

Fundamentals of Service (FOS) Manuals cover *basic* theory of operation, *fundamentals* of trouble shooting, *general* maintenance, and *basic* types of failures and their causes. FOS Manuals are for training new men and for reference by experienced men.

Technical Manuals are *concise* service guides for a *specific* machine. Technical Manuals are on-the-job guides containing only the vital information needed by a journeyman mechanic.



When a serviceman should refer to a FOS Manual for more information, a FOS symbol like the one at the left is used in the TM to identify the reference.

Some features of this technical manual:

- *Table of contents at front of manual*
- *Exploded views showing parts relationship*
- *Photos showing service techniques*
- *Specifications grouped for easy reference*

This technical manual was planned and written for you—a journeyman mechanic. Keep it in a permanent binder in the shop where it is handy. Refer to it whenever in doubt about correct service procedures or specifications.

Using the technical manual as a guide will reduce error and costly delay. It will also assure you the best in finished service work.



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.

Group 10 GENERAL

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Group 5 GENERAL TRACTOR SPECIFICATIONS

PTO HORSEPOWER (Official test, 2500 engine rpm)		Firing order.....	1-3-4-2
Syncro-Range trans- mission.....	Gasoline 60.16	Diesel: Intake.....	0.014 in.
Power Shift trans- mission.....	Diesel 61.29	Exhaust.....	0.018 in.
	56.98	Gasoline: Intake.....	0.014 in.
	56.28	Exhaust.....	0.022 in.
ENGINE		Injection pump timing.....	TDC
Type.....	4-stroke cycle, 4-cylinder in-line, valve-in-head		
Bore and Stroke:		Distributor timing:	
Diesel.....	4.02 x 4.33 in.		
Gasoline.....	3.86 x 4.33 in.		
Displacement:		2500 rpm engine speed.....	"S" Mark
Diesel.....	219 cu. in.		
Gasoline.....	202 cu. in.		
Compression ratio:		Distributor point gap.....	0.020 in.
Diesel.....	16.3 to 1		
Gasoline.....	7.8 to 1		
		Distributor cam dwell.....	66° to 72°
		Spark plug gap.....	0.025 in.
		Engine speeds:	
		Normal slow idle.....	800 rpm
		Working range.....	1500 to 2500 rpm



Thank you very much
for your reading.
Please click here
to get more information.