

# John Deere 2030 Tractor



## TECHNICAL MANUAL

John Deere 2030  
Tractor

TM1051 (01FEB86) English



John Deere Tractor Works  
TM1051 (01FEB86)

LITHO IN U.S.A.  
ENGLISH





# 2030 TRACTOR

TECHNICAL MANUAL  
TM-1051 (Nov-74)

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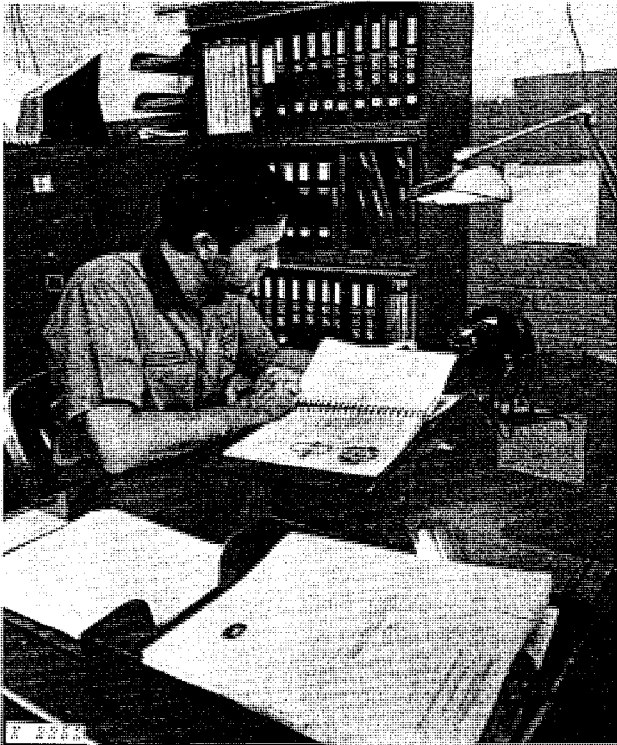
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## INTRODUCTION



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.

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## Group 5

### GENERAL TRACTOR SPECIFICATIONS

	Gasoline	Diesel	
ENGINE			ELECTRICAL SYSTEM
Maximum PTO horse- power*.....	60.34	60.65	Battery dry voltage..... 12 volts
Number of cylinders...4		4	Battery specific gravity at full charge (corrected to 80°F).....1.260
Bore and stroke, inches.....	4.02 x 4.33	4.02 x 4.33	Battery terminal grounded ..... negative
Displacement in cubic inches.....	219	219	CAPACITIES (U.S. Standard Measures)
Compression ratio.....	7.5 to 1	16.3 to 1**	Fuel tank..... 19-1/2 gals.
Firing order.....	1-3-4-2	1-3-4-2	Cooling system ..... 12 qts.
Intake valve clearance..	0.014-in.	0.014-in.	Crankcase (including filter)..... 6 qts.
Exhaust valve clear- ance.....	0.022-in.	0.018-in.	Transmission-hydraulic system ..... 10 gals.
Slow idle .....	600 rpm	800 rpm***	On Mannheim tractors
Fast idle .....	2680 rpm	2650 rpm	Dry system .....9.5 gals.
			At service intervals .....7.4 gals.
			Belt pulley..... 2-1/2 pts.
			CLUTCH ..... Single or dual stage, spring-loaded, dry disk, foot-operated.

*\*Official test at 2500 engine rpm (650 or 1210 PTO rpm)*

*\*\*16.2 to 1 on Mannheim tractors*

*\*\*\*650 rpm on Mannheim tractors*



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