

# 820 REAR TINE TILLER



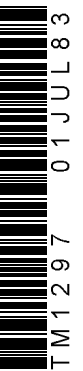
## TECHNICAL MANUAL

### 820 REAR TINE TILLER

TM1297 (01JUL83) English

JOHN DEERE HORICON WORKS  
TM1297 (01JUL83)

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ENGLISH



**820 REAR  
TINE TILLER  
TECHNICAL MANUAL  
TM-1297 (JUL-83)**

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*All information, illustrations and specifications contained in this technical manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.*

*Because John Deere sells its products world-wide, U.S. units of measure are shown with their respective Metric equivalents throughout this technical manual. These equivalents are the SI (International System) Units of Measure.*

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FGP/AJ050783

## INTRODUCTION

This technical manual contains service and maintenance information for the John Deere 820 Rear Tine Tiller except for information pertaining to engine teardown and assembly. That information can be found in TM-1296, Horizontal Crankshaft, Small Engines.

The manual is divided into sections. Each section pertains to a certain component or operational system of the tiller. The information is divided into groups within each section.

Emphasis is placed on trouble shooting, analysis and testing. Trouble shooting includes possible troubles, their causes, and how to correct them. Under specific systems, these troubles are analyzed to help you understand what is causing the problem. In this way, you can eliminate the cause rather than just replace parts and have the same problem keep recurring.

Special Tools and Specifications are found at the beginning of each group for easy reference.

Whenever new or revised pages are provided, insert them into your manual as soon as you receive them. Your technical manual will always be up-to-date and be a valuable asset in your service department.

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**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.**

This manual contains SI metric equivalents which are followed by the U.S. customary units of measure.

“Right-hand” and “left-hand” sides are determined by facing in the direction of tiller forward travel.

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# Section 10 GENERAL

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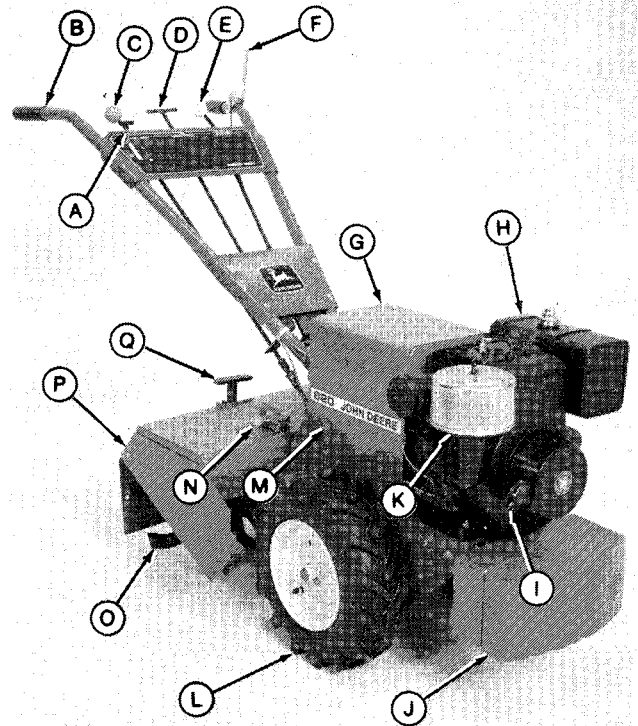
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## IDENTIFICATION

- A—Throttle Control Lever
- B—Handle Bars
- C—Wheel Speed Lever
- D—Handle Release
- E—Tine Clutch Lever
- F—Clutch Handle
- G—Sheave Cover
- H—Fuel Tank
- I—Recoil Starter
- J—Front Weight
- K—Air Cleaner
- L—Wheel
- M—Ignition Switch (Electric Start)
- N—Tine Direction Lever
- O—Tines
- P—Tine Shield
- Q—Tine Depth Gauge



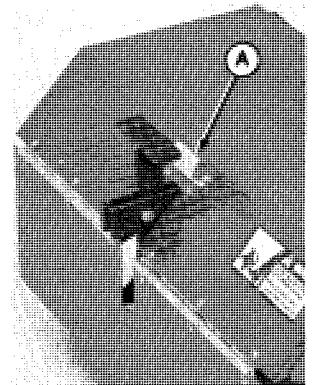
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## TILLER SERIAL NUMBER

The tiller serial number (A) is located on the rear of the tine shield.

The letters "TY" denote JDM Division as the control factory.

When writing about or filling out warranty claims, use all numbers and letters on the tiller serial number plate.



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