

# 1000 Series Crawler Tractors



## SERVICE MANUAL

### 1000 Series Crawler Tractors

SM2034 (01JAN64) English



**SM2034 (01JAN64)**

LITHO IN U.S.A.  
ENGLISH





**SERVICE MANUAL FOR  
JOHN DEERE DEALERS**

**1000  
SERIES**

**CRAWLER  
TRACTORS**

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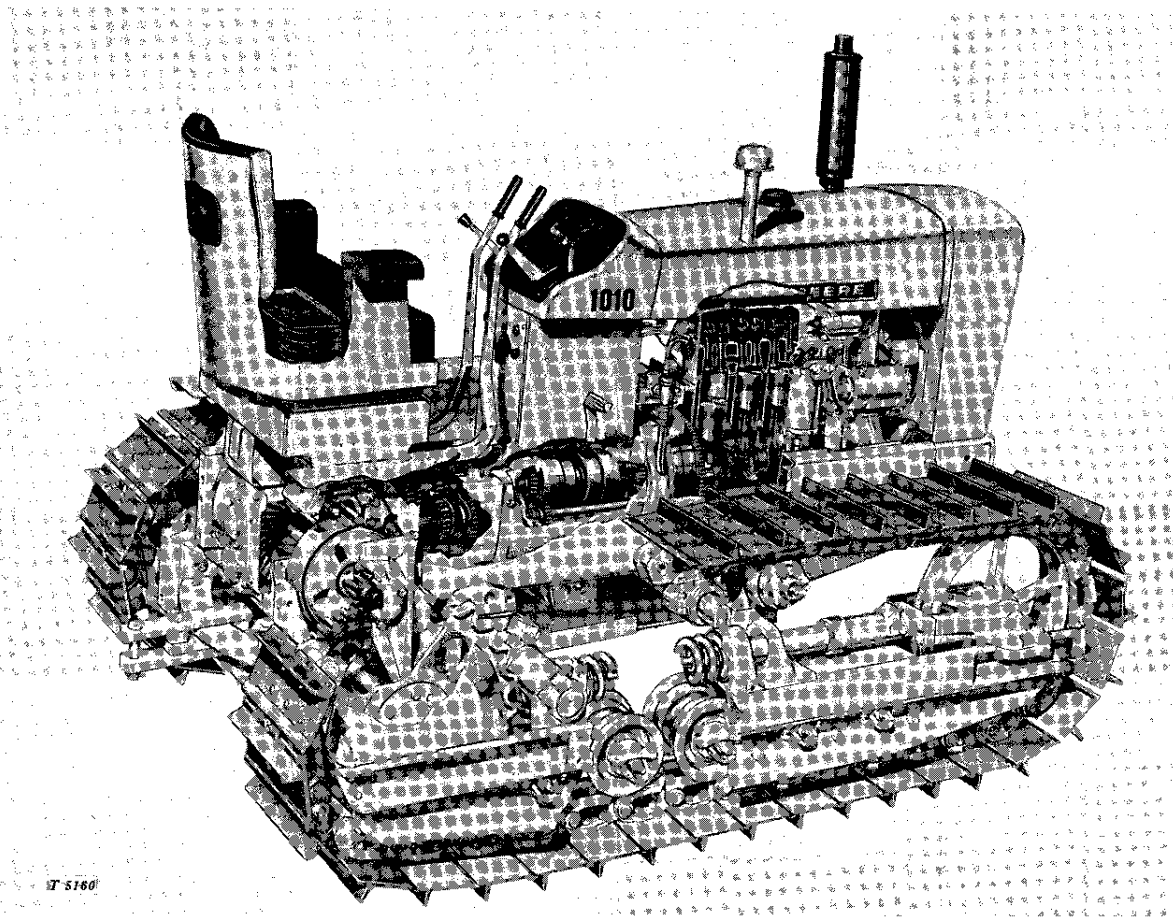
**TO THE JOHN DEERE SERVICEMAN**

This service manual contains maintenance instructions for John Deere 1000 Series Crawler Tractors. Included are complete instructions for removal, disassembly, inspection, repair, assembly and installation of the major parts and assemblies of the tractor.

In addition, the manual contains brief descriptions of the more complicated systems of the tractor, and tells how they operate. Dimensions of many new wearing parts are given as an aid in determining when parts replacement is necessary. Tests and adjustments, required to keep the tractor operating efficiently, are explained in detail.

This manual was planned and written for the Service Department; its place is in the shop. Use the manual whenever in doubt about correct maintenance procedures. Use it as a text book for training new Service Department personnel who are unfamiliar with John Deere Tractors.

Daily use of the Service Manual as a guide for any and all service problems will reduce error and costly delay to a minimum and assure you the best in finished service work. In many instances your customer's confidence in your work will be improved when he sees you using the Service Manual. He knows you are following approved maintenance procedures and making proper adjustments. There is no guesswork when you use the manual.



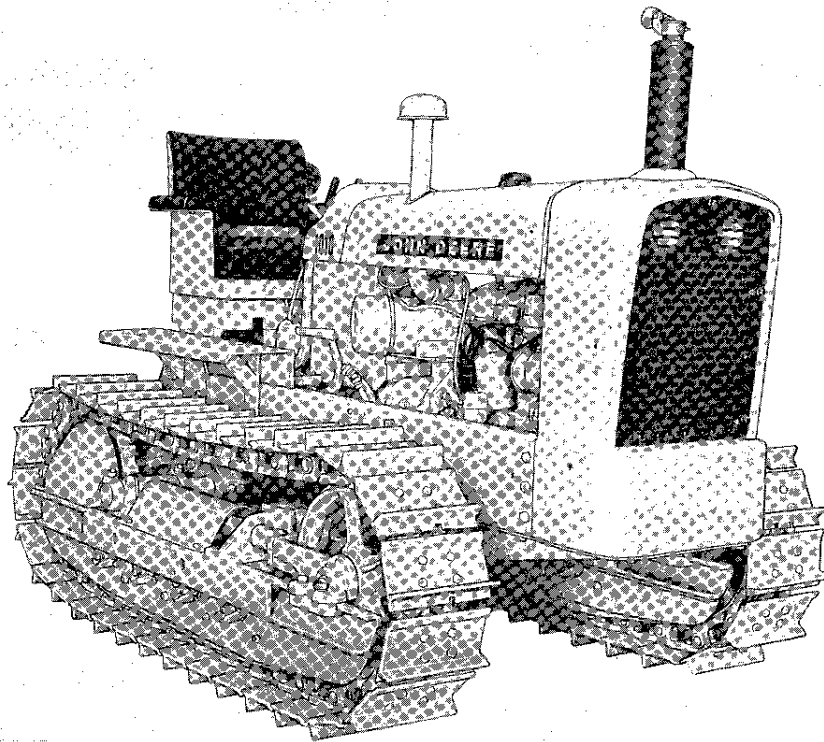
*Cutaway View of John Deere 1010 Crawler Tractor*

## Section 10

# DESCRIPTION, OPERATION AND SPECIFICATIONS

### Group 5

## DESCRIPTION



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*Fig. 10-5-1—Right-Hand View of 1010 Crawler Tractor  
(Gasoline Illustrated)*

The John Deere 1010 Series Crawler Tractor (Fig. 10-5-1) is built rugged and strong to meet the needs of industrial users. Its track laying tread makes this tractor especially useful whenever good flotation and additional traction or extra stability is desirable. With the wide variety of equipment available for this tractor, it plays an important role in the construction and logging industries.

stroke cycle, internal combustion engine. A bore of 3-1/2 inches and a stroke of 3 inches gives a piston displacement of approximately 115 cubic inches.

The compression ratio is 7.9 to 1. (Pistons are available for high altitude operation which provide a 9.0 to 1 compression ratio.)

### FEATURES

#### GASOLINE ENGINE

The 1010 Series Gasoline Crawler has a vertical, four cylinder, valve-in-head, four

A wet-type "sleeve and deck" cylinder liner assembly is used. This new feature allows worn cylinder walls to be renewed without replacing or reboring the cylinder block.



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for your reading.  
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to get more information.