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The specifications and design information contained in this manual were correct at the time this machine was manufactured. It is John Deere's policy to continually improve and update our machines. Therefore, the specifications and design information are subject to change without notice. Wherever applicable, specifications and design information are in accordance with SAE and IEMC standards.

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*Moline, Illinois*  
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INTRODUCTION

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.

Litho in U.S.A.
Group 5

Specifications

The 699 Cotton Picker is a two-row self-propelled machine. The machine has four basic components:

1. Picking units
2. Jet-Air-Trol conveying system and basket
3. Operator's platform
4. Propelling mechanism

The picking units are either high or low drum and are adjustable from 38 to 40-inch rows. The high drum picking units have 1120 individual barbed spindles and the low drum units have 784 spindles.

The Jet-Air-Trol conveying system consists of a fan located in the engine area to convey the cotton to the basket which holds 3,000 lbs. of cotton.

The operator is right on top of the picking operation when at the controls of the cotton picker. All controls are within easy reach of the operator.

The cotton picker is propelled by a gasoline, LP-Gas, or diesel engine (Models NA303 or NB329).

All references in this manual to front, rear, left, and right are in relation to the position of the operator seated on the operator's platform.