

Tillage Equipment



JOHN DEERE

TECHNICAL MANUAL

Tillage
Equipment

TM1495 (10JAN95) English

John Deere Des Moines Works
TM1495 (10JAN95)

LITHO IN U.S.A.
ENGLISH



Introduction

FOREWORD

This manual is written for an experienced technician. Essential tools required in performing certain service work are identified in this manual and are recommended for use.

Live with safety: Read the safety messages in the introduction of this manual and the cautions presented throughout the text of the manual.



This is the safety-alert symbol. When you see this symbol on the machine or in this manual, be alert to the potential for personal injury.

Technical manuals are divided in two parts: repair and operation and tests. Repair sections tell how to repair the components. Operation and tests sections help you identify the majority of routine failures quickly.

Information is organized in groups for the various components requiring service instruction. At the beginning of each group are summary listings of all applicable essential tools, service equipment and tools, other materials needed to do the job, service parts kits, specifications, wear tolerances, and torque values.

Technical Manuals are concise guides for specific machines. They are on-the-job guides containing only the vital information needed for diagnosis, analysis, testing, and repair.

Fundamental service information is available from other sources covering basic theory of operation, fundamentals of troubleshooting, general maintenance, and basic type of failures and their causes.

Preview Only

Contents

SECTION 10—INTRODUCTION AND SAFETY

- Group 05—Introduction Information
- Group 10—Safety
- Group 15—Lubricants

SECTION 20—SPECIFICATIONS

- Group 05—Product Identification Numbers
- Group 10—Gang Numbers
- Group 15—Machine Specifications
- Group 20—2810/3710 Moldboard Plow Specifications
- Group 25—Hydraulic Cylinder Specifications
- Group 30—Torque Values

SECTION 30—FRAME AND ROCKSHAFT REPAIR

- Group 05—Repair and Welding
- Group 10—Maintenance Free Bearings
- Group 15—Rockshaft Bearing Repair
- Group 20—Rockshaft Straightening

SECTION 40—STANDARD REPAIR

- Group 05—Spring-Reset Standards
- Group 10—Standards
- Group 15—S-Tine Standard and Ground Tools
- Group 20—Plow Standards-2810 and 3710

SECTION 50—WHEELS AND AXLES

- Group 05—Conventional and Tandem Hubs
- Group 10—Hub with Spindle Bolt
- Group 15—Tires

SECTION 60—DISKS GANGS AND MIDDLEBREAKER

- Group 05—Disk Gangs
- Group 10—Middlebreaker

SECTION 70—ROLLER HARROWS, ROTARY HOES AND INCORPORATOR WHEELS

- Group 05—Roller Harrows
- Group 10—Rotary Hoes
- Group 15—Incorporator Wheels

SECTION 80—ELECTRICAL SYSTEM

- Group 05—Typical Warning Lamp System
- Group 10—Connector Repair

SECTION 90—HYDRAULIC SYSTEM REPAIR

- Group 05—Wyr-Loc Cylinder
- Group 10—580 Series Cylinder
- Group 15—Tie Rod Cylinders
- Group 20—Single-Point Valve
- Group 25—EHDC Troubleshooting
- Group 30—Valves
- Group 35—Wing Control Valve
- Group 40—Hydraulic Leveling Motor
- Group 45—Double Pivot Hitch Steering Control

SECTION 100—Operation and Testing

- Group 05—Disk Gang Leveling, 630,635,640,650
- Group 10—Electrical System
- Group 15—Hydraulic System Operation
- Group 20—Hydraulic System Diagnosis

SECTION 199—Fabricated Tool Section

- Group 05—GENERAL

Index

All information, illustrations and specifications in this 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.

TM1495-19-10JAN95

COPYRIGHT® 1995
DEERE & COMPANY
Moline, Illinois
All rights reserved
A John Deere ILLUSTRATION® Manual
Previous Editions
Copyright® 1993, 1992, 1991 Deere & Company

10

20

30

40

50

60

70

80

90

100

Preview Only

Preview Only