

John Deere Agriculture

7200 and 7400 Tractors
SERVICE REPAIR MANUAL
7200, 7400



tm1551, April 1999



Table of contents

FOREWORD

DEALER PREDELIVERY SERVICE

QUICK REFERENCE SPECIFICATIONS

Section 05 - SAFETY

Group 05 - Safety

Section 10 - GENERAL INFORMATION

Group 05 - General Information

Section 20 - ENGINE

Group 00 - Component Removal and Installation

Group 05 - Engine Repair

Section 30 - FUEL, AIR INTAKE, AND COOLING SYSTEMS

Group 05 - Throttle Controls

Group 10 - Diesel Fuel System

Group 15 - Air Intake System

Group 20 - Engine Cooling System

Group 25 - Air Conditioning Condenser and Coolers

Section 40 - ELECTRICAL

Group 05 - Connectors

Group 10 - Wiring Harness Routing

Group 15 - Charging Circuit

Group 20 - Starting Circuit

Group 25 - Switches, Relays, and Solenoids

Group 30 - Monitoring System

Group 40 - Auxiliary Lighting and Electrical Components

Group 45 - Convenience and Accessory Components

Section 50 - TRANSMISSION

Group 00 - Component Removal and Installation

Group 05 - Controls

Group 10 - SyncroPlus SyncroPlus is a trademark of Deere & Company. Transmission

Group 15 - PowrQuad PowrQuad is a trademark of Deere & Company. Transmission

Group 20 - Creeper Transmission

Group 25 - Range Box

Section 56 - DRIVE SYSTEMS

Group 00 - Component Removal and Installation

Group 05 - Controls

Group 10 - MFWD Clutch

Group 15 - MFWD Axle

Group 20 - Rear Differential

Group 25 - Final Drive

Group 30 - Hi-Crop Final Drive

Group 35 - PTO

Group 40 - Drive Lines

Group 45 - Hydraulic Pump Drive

Section 60 - STEERING AND BRAKES

Group 05 - Hydrostatic Steering

Group 10 - Steering Cylinders

Group 15 - Brake Valve

Group 20 - Brake Components

Section 70 - HYDRAULICS

- Group 00 - Component Removal and Installation
- Group 05 - Controls
- Group 10 - Hydraulic Pump and Charge Pump
- Group 15 - Hydraulic System Valves
- Group 20 - Selective Control Valves and Couplers
- Group 25 - Hitch
- Group 30 - Row Guidance
- Group 35 - Remote Cylinder
- Group 40 - Bleed Hydraulic System

Section 80 - MISCELLANEOUS

- Group 00 - Component Removal and Installation
- Group 05 - Front Axle
- Group 10 - Hood

Section 90 - OPERATOR STATION

- Group 00 - Component Removal and Installation
- Group 05 - Controls
- Group 10 - Air Conditioning System
- Group 15 - Heating System
- Group 20 - Seat
- Group 25 - ROPS and Cab


Section 99 - DEALER FABRICATED TOOLS

- Group 05 - Fabricated Tools

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 diagnostics. Repair sections tell how to repair the components. Diagnostic 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.

Binders, binder labels, and tab sets can be ordered by John Deere dealers direct from the John Deere Distribution Service Center.

This manual is part of a total product support program.

FOS Manual-Reference

Technical Manuals-Machine Service

Component Manual-Component Service

Fundamentals of Service (FOS) Manuals cover basic theory of operation, fundamentals of troubleshooting, general maintenance, and basic type of failures and their causes. FOS Manuals are for training new personnel and for reference by experienced technicians.

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

Component Technical Manuals are concise service guides for specific components. Component technical manuals are written as stand-alone manuals covering multiple machine applications.



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