

CTS Rice Combine Repair Operation and Tests

For complete service information also see:

6076 Engine CTM42
Cam Lobe Motors
9400, 9500 and 9600
Maximizer Combine—Repair
9400, 9500 and 9600
Operation and Test TM1402
200 and 900 Series Cutting Platforms
40 and 90 Series Corn Heads
50 and 50A Series Row Crop Heads . . . TM1581

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John Deere Harvester Works
TM1543 (12MAY97)

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**CTS Rice Combine
Repair, Operation
and Test**

TM1543 (12MAY97)



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.

Introduction

This technical manual covers information unique to the CTS Combine:

- Hydraulic Stack Valve Repair
- Feederhouse Repair (Platform Drive, Tilt Cylinder)
- Operator Station Repair (Cab, Air Seat Suspension)
- Separator Repair (Beaters, Supply Augers, Cleaning Fan and Chaffer, Sieve Frame, Tine Separator, Engine Gearcase and Module Drive)
- Straw Chopper, Straw Spreader, Chaff Spreader Drives and Upper Clean Grain Elevator Repair
- Grain Tank and Unloading System (Upper Clean Grain Elevator)
- Electrical Diagnostics and Tests

See TM1401; 9400, 9500 and 9600

Maximizer Combines - Repair - for information on the following:

Engine	Section 20
Fuel and Air	Section 30
Electrical	Section 40
Power Train Repair	Section 50
Power Steering and Brakes	Section 60
Hydraulic Repair (Except Stack Valve Repair)	Section 70
Feederhouse	Section 110
Separator (Except for beaters, Supply Augers, Cleaning Fan and Chaffer and Sieve Frame, Straw Chopper, Straw Spreader and Chaff Spreader Drives	Section 120
Grain Tank Unloading System Repair	Section 130
Engine Gearcase	Section 140
Dial-A-Matic Header Height Control	Section 160

See TM1402; 9400, 9500 and 9600

Maximizer Combines - Operation and Test - for information on the following:

Engine Operation and Tests	Section 220
Fuel/Air Operation and Test	Section 230
Power Train Operation and Tests	Section 250
Four-Wheel Drive	Section 255
Service Brakes System Operation and Test	Section 260
Hydraulic Operation and Test	Section 270
Main Engine Gearcase Systems Operation and Test	Section 275
Dial-A-Matic System Operation and Tests	Section 280
Heating/Air Conditioning Operation and Tests	Section 290

See TM1581 for header repair, operation and test information.



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for your reading.
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to get more information.