

**9450 (s.n. -695100),
9550 (s.n. -695200)
and 9650 (s.n. -695300)**



Combines Repair



JOHN DEERE

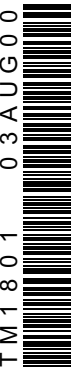
TECHNICAL MANUAL 9450, 9550 and 9650 Combines Repair

TM1801 (03AUG00) English

9450, 9550 AND 9650 COMBINES
DIAGNOSIS AND TESTS. TM1802
ENGINE ACCESSORIES. CTM67
ELECTRONIC FUEL INJECTION CTM68
ALTERNATORS AND STARTING MOTORS. CTM77
6081 DIESEL ENGINE, REPAIR CTM86
6068 ENGINE CTM104
6081 ENGINES OPERATION AND DIAGNOSTIC. CTM134

**John Deere Harvester Works
TM1801 (03AUG00)**

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.

DX,TMIFC -19-22MAY92-1/1

Preview Only

Contents

SECTION 10—General

- Group 05—Safety
- Group 10—Specifications
- Group 15—Tune Up and Adjustment
- Group 20—Fuels and Lubricants

SECTION 20—Engine

- Group 05—Remove and Install Engine
- Group 10—Lower Engine Repair
- Group 15—Cooling System

SECTION 30—Fuel and Air System

- Group 05—Air Intake System
- Group 10—Diesel Fuel System

SECTION 40—Electrical System

- Group 05—Batteries
- Group 10—Harness and Connector Repair
- Group 15—Wiring Harness Routing
- Group 20—Fuses, Circuit Breakers and Relays
- Group 25—Lighting
- Group 30—Operators Station
- Group 35—Sensors and Switches
- Group 40—Wiper
- Group 45—Alternator
- Group 50—Starting Motor
- Group 55—Electrical Engine Control
- Group 60—GREENSTAR Components

SECTION 50—Power Train Repair

- Group 05—Transmission and Differential
- Group 10—Single Reduction Final Drive
- Group 15—Hydrostatic System
- Group 20—Cam Lobe Motor
- Group 25—Tires and Wheels

SECTION 60—Power Steering and Brakes

- Group 05—Steering
- Group 10—Brakes

SECTION 70—Hydraulic Repair

- Group 05—Hydraulic Reservoir
- Group 10—Hydraulic Pumps
- Group 15—Hydraulic Valves

- Group 20—Hydraulic Cylinders
- Group 25—Motors
- Group 30—Accumulator

SECTION 80—Separator Shell

- Group 05—Gull Wing Doors
- Group 10—Cleaning Fan Shields

SECTION 90—Operator Station Repair

- Group 05—Air Conditioning System (R134a)
- Group 10—System Components
- Group 15—Cab

SECTION 110—Feeder House Repair

- Group 05—Conveyor
- Group 10—Top Shaft and Slip Clutch
- Group 15—Feeder House Drives and Reverser Gear Case
- Group 20—Contour Master Tilt Cylinder
- Group 25—Contour Master Tilt Frame

SECTION 120—Separator

- Group 05—Separator Repair
- Group 10—Cylinder Drives
- Group 15—Straw Walkers and Crankshafts
- Group 20—Straw Chopper, Straw Spreader and Chaff Spreader
- Group 25—Shoe Supply Augers, Cleaning Fan and Chaffer and Sieve Frame
- Group 30—Tailings Elevator and Augers
- Group 35—Primary Countershaft Gear Case
- Group 40—Header Electromagnetic Clutch

SECTION 130—Grain Tank and Unloading System Repair

- Group 05—Grain Tank Cross Augers
- Group 10—Unloading Auger System Drives
- Group 15—Vertical Unloading Auger and Lower Gear Case
- Group 20—Horizontal Unloading Auger and Gear Case

Continued on next page

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.

COPYRIGHT © 2000
DEERE & COMPANY
Moline, Illinois
All rights reserved
A John Deere ILLUSTRATION® Manual
Previous Editions
Copyright © 1999

10	Group 25—Clean Grain Elevator and Loading Auger Gear Case
	Group 30—Grain Tank and Extensions

**SECTION 140—Engine Gear Case and Control
Valve Repair**

20	Group 05—Engine Gear Case and Valve
----	-------------------------------------

30

40

50

60

70

80

90

110

Preview Only

Preview Only