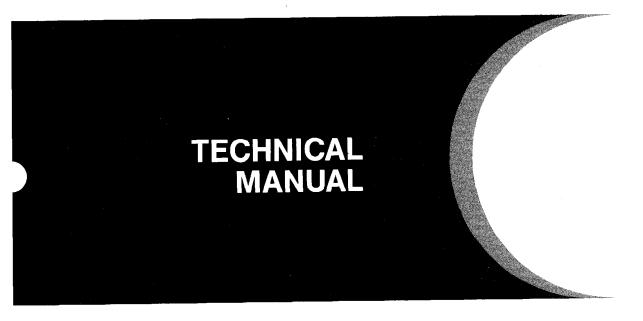
# John Deere 690D Excavator 693D Feller-Buncher/ Delimber Repair





John Deere Davenport Works TM-1388 (Oct-87)

Litho in U.S.A.

# 690D EXCAVATOR 693D FELLER-BUNCHER/DELIMBER TECHNICAL MANUAL TM-1388 (SEP-87)

# SECTION AND GROUP CONTENTS

NOTE: This manual covers machine Repair (gray tabs).

### SECTION I—GENERAL INFORMATION

Group I—Introduction and Safety Information Group II—General Specifications Group III—Torque Values Group IV—Fuels and Lubricants Group V—Inspection Procedure

#### SECTION 01—TRACKS

Group 0130—Track Systems Track Roller, Track Chain, Sprocket, Front Idler, Recoil Spring, Relief Valve and Adjusting Cylinder

#### SECTION 02—AXLES AND SUSPENSION SYSTEMS (PROPEL)

- Group 0250—Axle Shafts, Bearings and Reduction Gears Tow Excavator and Propel Gearbox
- Group 0260—Hydraulic Systems Propel Motor, Propel Brake, Propel Brake Valve with Counterbalance Valve, Hydraulic Lines, and Rotary Manifold

#### SECTION 04—ENGINE

6414 Engine—See CTM-4

Group 0400—Removal and Installation Engine, Oil Pan, Fuel Injection Pump, Injection Nozzles, Bleed Fuel System, Turbocharger and Water Pump, Oil Cooler, Fuel Transfer Pump, and Thermostat

#### SECTION 05—ENGINE AUXILIARY SYSTEMS

- Group 0505—Cold Weather Starting Aids Fluid Starting Aid Solenoid, Nozzle, Engine Coolant Heater
- Group 0510—Cooling Systems Fan, Shroud and Guards, Fan Belt, Radiator
- Group 0515—Speed Controls Speed Control Assembly (Auto Idle), Linkage
- Group 0520—Intake System Air Cleaner, Air Intake System Leakage Test
- Group 0530—External Exhaust Systems Muffler and Bracket
- Group 0560—External Fuel Supply Systems Fuel Tank

#### SECTION 07—DAMPENER DRIVE (FLEX COUPLING)

Group 0752—Elements

#### SECTION 16—ELECTRICAL SYSTEMS

Group 1671—Batteries, Support and Cables Group 1672—Alternator, Regulator and Charging System Wiring Group 1673—Lighting System Group 1674—Wiring Harness and Switches Group 1677—Motors and Actuators Starting Motor

#### SECTION 17—FRAME, CHASSIS, OR SUPPORTING STRUCTURE

Group 1740—Frame Installation Welding Repair Group 1749—Chassis Weights

All information, illustrations and specifications contained in this technical 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.

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### SECTION AND GROUP CONTENTS—Continued

#### **SECTION 18—OPERATOR'S STATION**

Group 1800—Removal and Installation Cab or Canopy

Group 1810—Operator Enclosure Windowpanes, Cab Door and Latch, Door Lock, Windshield Wiper

Group 1821—Seat

Group 1830—Heating and Air Conditioning Compressor, High Pressure Switch, Condenser, Evaporator, Expansion Valve, Receiver-Dryer, Low Pressure Switch, Air Conditioning Switches, Resistor, Blower Motor, Heater, Controls

#### SECTION 19—SHEET METAL AND STYLING

Group 1910—Hood or Engine Enclosure

#### SECTION 33—EXCAVATOR

Group 3302—Buckets Bucket, Linkage, Bushings, Tooth Tip, Tooth Shank Group 3340—Frames

Arm, Boom, Bushings

Group 3360—Hydraulic System Hydraulic Pump, Pilot System Pump, Pilot System Pressure Regulating Valve, Hydraulic Control Valve, Relief Valve Block, Hydraulic Control Valve Return Restrictors, Reservoir, Return Filter, Reservoir Relief Valve, Oil Cooler Bypass Valve, Oil Cooler, Cylinders, Propel Function Pilot Controller Valve, Propel Pilot System Check Valve Block, Dig Function Pilot Controller Valve, Pilot System Shut-off Valve, Pilot System Filter, Flow Control Valve

#### SECTION 43—SWING, ROTATION OR PIVOTING SYSTEM

Group 4311—Brakes (Swing Lock) Group 4350—Mechanical Drive Elements Swing Gearbox, Swing Bearing, Seals

Group 4360—Hydraulic System Swing Motor, Crossover Relief Valves, Swing Lock Release Valves SECTION 99—DEALER FABRICATED TOOLS

/1388 CC2 040987

# INTRODUCTION

This manual is part of a total service support program.

# FOS Manuals—reference

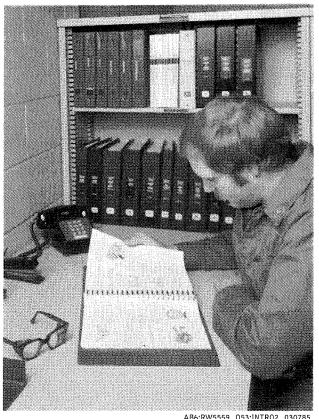
# **Technical Manuals—machine service**

# **Component Manuals—component service**

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

Technical Manuals are concise service guides for specific machines. Technical manuals are on-the-job guides containing only the vital information needed by an experienced service technician.

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



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# FEATURES OF THIS TECHNICAL MANUAL

John Deere ILLUSTRUCTION format emphasizing illustrations and concise instructions in easy-to-use modules.

Emphasis on diagnosis, analysis, and testing so you can understand the problem and correct it.

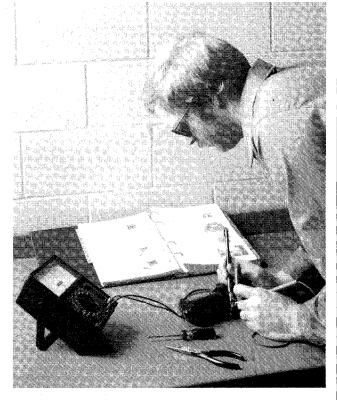
Diagnostic information presented with the most logical and easiest to isolate problems first to help you identify the majority of routine failures quickly.

Step-by-step instructions for teardown and assembly.

Summary listing at the beginning of each group of all applicable specifications, wear tolerances, torque values, essential tools, and materials needed to do the job.

An emphasis throughout on safety-so you do the job right without getting hurt.

This technical manual was planned and written for you-an experienced service technician. Keep it in a permanent binder in the shop where it is handy. Refer to it when you need to know correct service procedures or specifications.



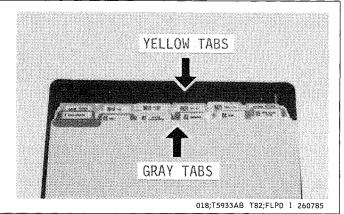
AB6:RW5560 053:INTR03 071085

# **USING TABS**

To fully utilize this technical manual, you must understand how it is organized.

Only two tab colors are used—gray and yellow. Each color represents a different type of information.

Spend a minute reading this now and save many minutes of searching later.



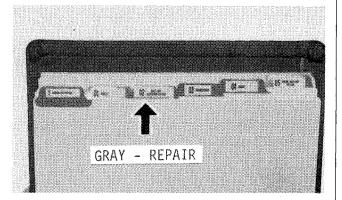
# **GRAY TAB SECTIONS**

The gray tab sections are repair sections that tell how to repair the components of the various systems.

Repair of a component includes:

Removal from machine (when necessary) Disassembly Inspection Replacement of parts Assembly Adjustment Installation on machine (when necessary)

The numbers used for the repair (gray tab) sections are part of an overall service publication numbering system. The numbers identify the same sections in the parts catalog, flat rate manual, service information bulletins, and service training courses.



018;T5933AC T82;FLPD J 260785

#### **YELLOW TAB SECTIONS** Each yellow tab section contains information on: 925 ----- 939 'y ( Groups 05 Theory of Operation System Operational Checks 10 YELLOW 15 System Diagnostic Information **OPERATION & TESTS** Adjustments 20 25 Tests 018;T5933AD T82;FLPD K 260785

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