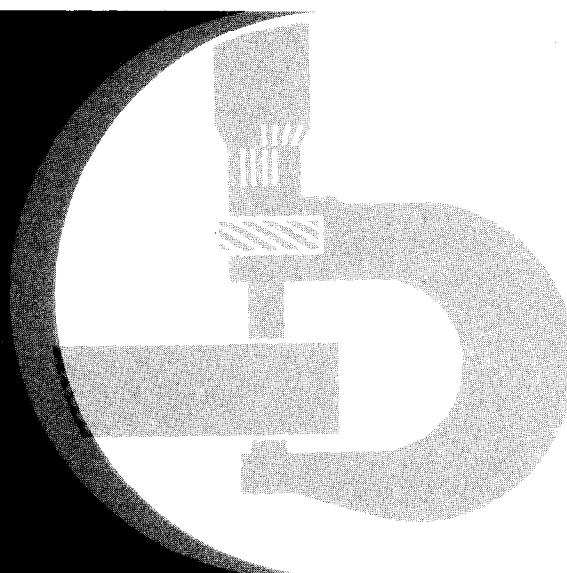


**450D  
Crawler Bulldozer  
455D  
Crawler Loader**



**TECHNICAL MANUAL PDF**



**DOWNLOAD**





**TO ALL JOHN DEERE DEALERS**

**IMPORTANT: PLEASE REMOVE THIS PAGE AND ROUTE THROUGH YOUR  
SERVICE DEPARTMENT.**

This is a complete revision for TM-1291, 450D Crawler Bulldozer  
and 455D Crawler Loader.

Binder and tabs from old manual may be saved and used with this  
bound manual.

The new pages are dated (Oct-87). Listed below is a brief  
explanation of "WHAT" was changed and "WHY" it was changed.

This manual was revised to include the correct art and story for  
steering pedal configuration.



# **450D CRAWLER BULLDOZER AND 455D CRAWLER LOADER TECHNICAL MANUAL TM-1291 (OCT-87)**

## **SECTION AND GROUP CONTENTS**

### **SECTION I - GENERAL INFORMATION**

- Group I - Introduction and Safety Information
- Group II - General Specifications
- Group III - Cap Screw Torque Values
- Group IV - Lubrication

### **SECTION 01 - TRACKS**

- Group 0130 - Track Systems

### **SECTION 02 - AXLES AND SUSPENSION SYSTEMS**

- Group 0250 - Axle Shaft, Bearings, Reduction Gears and Steering Clutches

### **SECTION 03 - TRANSMISSION**

- Group 0315 - Controls
- Group 0350 - Gears, Shafts, Bearings, and H-L-R Clutch
- Group 0360 - Transmission Hydraulics (See Group 0350)

### **SECTION 04 - ENGINE**

- Group 0400 - Removal and Installation
- Group 0401 - Crankshaft and Main Bearings
- Group 0402 - Camshaft and Valve Actuating Means
- Group 0403 - Connecting Rods and Pistons
- Group 0404 - Cylinder Block (Liners)
- Group 0407 - Engine Oiling System
- Group 0409 - Cylinder Head and Valves
- Group 0413 - Fuel Injection System

### **SECTION 04 - ENGINE - Continued**

- Group 0415 - Engine Balancer
- Group 0416 - Turbocharger
- Group 0417 - Water Pump
- Group 0418 - Thermostats, Housing and Piping
- Group 0419 - Engine Oil Cooler
- Group 0420 - Fuel Filter
- Group 0421 - Fuel Transfer Pump
- Group 0422 - Starting System
- Group 0433 - Flywheel, Housing and Fasteners

### **SECTION 05 - ENGINE AUXILIARY SYSTEMS**

- Group 0505 - Cold Weather Starting Aids
- Group 0510 - Cooling Systems
- Group 0515 - Speed Controls
- Group 0560 - External Fuel Supply Systems

### **SECTION 07 - TRACTION CLUTCH**

- Group 0715 - Controls
- Group 0752 - Elements

### **SECTION 09 - STEERING SYSTEMS**

- Group 0960 - Power Steering

### **SECTION 15 - EQUIPMENT ATTACHING**

- Group 1511 - Drawbar

*Continued on next page*

*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.*

Copyright© 1987  
DEERE & COMPANY  
Moline, Illinois  
All Rights Reserved  
A JOHN DEERE ILLUSTRATION  
Previous Edition  
Copyright© 1986 Deere & Company  
Copyright© 1985 Deere & Company  
Copyright© 1984 Deere & Company  
Copyright© 1983 Deere & Company

T64;1291 01 220987



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