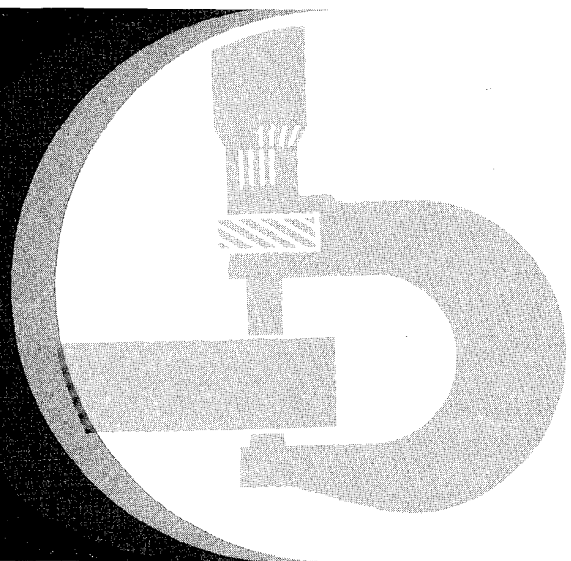


**John Deere
JD750
Crawler Bulldozer**



TECHNICAL MANUAL

**John Deere Dubuque Works
TM-1136 (Mar-84)**



Litho in U.S.A.

SECTION AND GROUP CONTENTS OF THIS MANUAL

SECTION I - GENERAL INFORMATION

- Group I - Contents and Index
- Group II - Introduction and Safety Information
- Group III - General Specifications
- Group IV - Predelivery, Delivery and After-Sale Services
- Group V - Fuels and Lubricants

SECTION 1 - TRACKS

- Group 0130 - Track Systems
- Group 0199 - Specifications and Special Tools

SECTION 2 - AXLES AND SUSPENSION SYSTEMS

- Group 0201 - Drive Axle Housing
- Group 0250 - Axle Shaft, Bearings and Reduction Gears
- Group 0299 - Specifications and Special Tools

SECTION 3 - TRANSMISSION

- Group 0315 - Controls
- Group 0325 - Input Drive Shafts and U-Joints
- Group 0360 - Transmission Hydraulics
- Group 0370 - Clutch Disconnect and Controls
- Group 0399 - Specifications and Special Tools

SECTION 4 - ENGINE

- Group 0400 - Engine 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
- Group 0407 - Engine Oiling System
- Group 0408 - Ventilating System
- Group 0409 - Cylinder Head and Valves
- Group 0410 - Exhaust Manifold
- Group 0413 - Fuel Injection System
- Group 0416 - Turbocharger
- Group 0417 - Water Pump
- Group 0418 - Thermostats, Housings 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
- Group 0499 - Specifications and Special Tools

SECTION 5 - ENGINE AUXILIARY SYSTEMS

- Group 0505 - Cold Weather Starting Aids
- Group 0510 - Engine Cooling System
- Group 0515 - Speed Controls
- Group 0520 - Intake System
- Group 0530 - External Exhaust Systems
- Group 0540 - Mounting Frame
- Group 0560 - External Fuel Supply System
- Group 0599 - Specifications and Special Tools

SECTION 8 - TRANSFER DRIVE

- Group 0841 - Housing and Covers
- Group 0851 - Gears, Shafts, Bearings
- Group 0899 - Specifications and Special Tools

SECTION 11 - PARKING-EMERGENCY BRAKE

- Group 1111 - Active Elements
- Group 1115 - Controls Linkage
- Group 1160 - Parking Brake Hydraulics
- Group 1199 - Specifications and Special Tools

SECTION 15 - EQUIPMENT ATTACHING

- Group 1511 - Drawbar
- Group 1512 - Towbar

SECTION 16 - ELECTRICAL SYSTEMS

- Group 1671 - Batteries, Supports and Cables
- Group 1672 - Alternator, Regulator and Charging System Wiring
- Group 1673 - Lighting System
- Group 1674 - Wiring Harness and Switches
- Group 1699 - Specifications and Special Tools

SECTION 17 - FRAME, CHASSIS OR SUPPORTING STRUCTURE

- Group 1741 - Main Frame
- Group 1746 - Frame Bottom Guards

SECTION 18 - OPERATOR'S STATION

- Group 1806 - Safety Equipment
- Group 1808 - Comfort and Convenience Items
- Group 1810 - Operator Enclosure
- Group 1821 - Seat
- Group 1823 - Instruments and Indicators
- Group 1824 - External Engine Speed Control
- Group 1830 - Heating and Air Conditioning
- Group 1899 - Specifications and Special Tools

SECTION AND GROUP CONTENTS OF THIS MANUAL—Continued

SECTION 19 - SHEET METAL AND STYLING

- Group 1910 - Hood or Engine Enclosure
- Group 1921 - Grille and Grille Housing

SECTION 32 - DOZER

- Group 3201 - Blade
- Group 3215 - Controls Linkage
- Group 3242 - Sub Frame
- Group 3243 - Movable Frames
- Group 3260 - Dozer Hydraulics
- Group 3299 - Specifications and Special Tools

SECTION 42 - GROUND CONDITIONING TOOL

- Group 4201 - Blade, Teeth, Shanks
- Group 4215 - Controls Linkage
- Group 4260 - Hydraulic System

SECTION 90 - SYSTEM TESTING

- Group 9005 - General Information - Seven Basic Steps of Diagnosis and Testing and Operational Checkout Procedure
- Group 9010 - Engine
- Group 9015 - Electrical System
- Group 9020 - Power Train
- Group 9025 - Hydraulic System (Flow Meter)
- Group 9025A - Hydraulic System (Analyzer)
- Group 9026 - Hydrostatic System
- Group 9030 - Miscellaneous Components
- Group 9031 - Heating and Air Conditioning
- Group 9035 - Specifications and Special Tools

ALPHABETICAL INDEX

A

Adapter, starting aid 0505-4
Accessories testing 9015-36
After-sale inspection I-IV-19 - I-IV-32
 Air cleaner I-IV-23
 Air intake hose I-IV-23
 Alternator-fan compressor belt
 tension I-IV-23 - I-IV-25
 Batteries I-IV-29
 Cab air filter I-IV-29
 Charging system I-IV-31
 Engine crankcase oil and filter I-IV-20
 Final drive housing oil level I-IV-22
 Fluid leakage I-IV-32
 Fuel tank sump I-IV-25
 Hydraulic oil level I-IV-21
 Hydrostatic transmission oil I-IV-21
 Indicator lights and gauges I-IV-29
 Lubrication I-IV-28 - I-IV-29
 Park brake I-IV-31
 Raditor coolant level I-IV-25
 Splitter gearbox oil level I-IV-22
 Track tension adjustment I-IV-26 - I-IV-27
 Track shoe cap screws I-IV-27
Air cleaner assembly 0520-1 - 0520-2
 Components 0520-1
Air conditioning system 1830-5 - 1830-32
 Air filters 1830-31
 Compressor 1830-5 - 1830-20
 Compressor relief valve 1830-28
 Condenser 1830-22 - 1830-23
 Evaporator 1830-25
 Expansion valve 1830-26
 High temperature switch 1830-30
 Pressurizer blowers and
 switch 1830-31 - 1830-32
 Receiver - dryer 1830-23 - 1830-24
 Refrigerant couplings 1830-29
 Thermal fuse and superheat
 shut-off switch 1830-21
 Thermostatic temperature control
 switch 1830-27 - 1830-28
Air conditioning system testing 9015-35,
 9031-2 - 9031-20
 Adding refrigerant-12 to the
 system 9031-16 - 9031-17
 Charging the system 9031-15 - 9031-16
 Component location 9031-2 - 9031-4
 Diagnosis and testing 9031-7 - 9031-8
 Diagnosis flow chart 9031-9

Air conditioning system testing - Continued

Discharging the system 9031-13
Electrical testing 9015-35, 9031-9
Evacuating the system 9031-13 - 9031-15
Flushing the system 9031-19 - 9031-20
Inspecting refrigerant hoses and
 tubing 9031-20
Isolating compressor from system 9031-18
Leak testing 9031-19 - 9031-20
Operational test 9031-11
Pressure gauges 9031-12
Safety precautions 9031-12
Schematic 9031-5
Temperature pressure chart 9031-17
Theory of operation 9031-5 - 9031-6
Air filters 1830-32
Air intake system 1830-31 - 1830-32
 Air filters 1830-32
 Pressurizer blowers and
 switch 1830-31 - 1830-32
Air intake test system 9010-1, 9010-15
 Testing 9010-15
 Theory 9010-1
Air restriction indicator 0520-1, 1823-3
Alternator and regulator,
 16 amp 1672-13 - 1672-24
 Assembly 1672-22 - 1672-23
 Component tests 1672-19 - 1672-21
 Components 1672-15
 Explanatory information 1672-13 - 1672-14
 Repair 1672-15 - 1672-18
 Test after assembly 1672-23
Alternator and regulator, 42 amp 1672-1 - 1672-12
 Assembly 1672-11 - 1672-12
 Component tests 1672-7 - 1672-11
 Components 1672-3
 Explanatory information 1672-1 - 1672-2
 Installation 1672-12
 Removal 1672-2
 Repair 1672-2 - 1672-7
Automatic control valve 0360-62 - 0360-64,
 0360-73 - 0360-75
Automatic control valve shut-off
 valve 0360-62, 0360-73
Automatic control valve shut-off
 valve control 0315-14
 Components 0315-14

Automatic control valve variable
orifice 0360-65 - 0360-66,
0360-76 - 0360-78
Assembly 0360-76 - 0360-78
Disassembly 0360-65 - 0360-66

Automatic control valve variable
orifice linkage 0315-11 - 0315-12
Components 0315-12
Auxiliary control linkage 4215-1 - 4215-4
Adjustment 4215-4
Components 4215-1 - 4215-4

Axle shaft, bearings and reduction
gears 0250-1 - 0250-10
Final drive housing cover with
gears and shafts 0250-4 - 0250-7
Parking brake assembly 0250-8 - 0250-10
Assembly 0250-8 - 0250-10
Components 0250-9
Planet housing with pinions
and shafts 0250-2 - 0250-3
Components 0250-3

B

Basic engine testing 9010-10
Batteries, supports and cables 1671-3 - 1671-7,
9015-19
Charging 1671-7
Inspection 1671-4 - 1671-5
Checking electrolyte level 1671-5
Cleaning 1671-4
Battery disconnect switch 1674-2
Blade, dozer 3201-3 - 3201-6
Bleeding fuel injection pump 0413-3
Block, cylinder 0404-1 - 0404-2
Block diagram:
Electrical system 9015-5
Hydraulic system (flow meter) 9025-12 - 9025-13
Hydrostatic system 9026-18
Power train 9020-5
Blower motors 1830-31 - 1830-32
Body connectors 1674-1
Bottom guards, frame 1746-1 - 1746-2
Brake, emergency parking:
Controls, linkage 1115-3 - 1115-5
Hydraulics 1160-1 - 1160-4
Brush assembly, alternator,
16 amp 1672-13, 1672-16,
1672-19, 1672-23
Brush assembly, alternator,
42 amp 1672-1,
1672-7 - 1672-8,
1672-12

Brush shield 1910-7
Bulldozer blade 3201-3 - 3201-4
Bushings, engine starting system 0422-7
Bypass valve, transmission 0360-33 - 0360-34

C

Cab 1810-1 - 1810-6
Components 1810-5
Cab relay 1823-6
Camshaft and valve actuating
means 0402-1 - 0402-6
Components 0402-1, 0402-3
Timing gear train 0402-4 - 0402-5
Front plate and timing
gear cover 0402-4 - 0402-5
Gear train backlash 0402-4
Idler gears 0402-4
Chain, track 0130-24 - 0130-31
Charge pump, transmission 0360-26 - 0360-27
Charging circuit testing 9015-26 - 9015-31
Cigar lighter 1808-1
Circuit breakers 1674-3
Clutch coil and housing 1830-15 - 1830-16
Clutch, engine disconnect:
Controls 0370-1 - 0370-3
Components 0715-2 - 0715-3
Elements 0370-4 - 0370-6
Components 0370-4 - 0370-6
Cold weather starting aids 0505-3 - 0505-4
Starting aid adapter, line
and nozzle 0505-4
Starting aid solenoid 0505-3
Starting aid switch 0505-3 - 0505-4
Comfort and convenience items 1808-1
Component location:
Air conditioning system 9031-2 - 9031-4
Electrical system 9015-2 - 9015-4
Engine 9010-2 - 9010-4
Hydraulic system (flow meter) 9025-2 - 9025-3
Hydrostatic system 9026-32 - 9026-34
Power train 9020-2 - 9020-4
Compressor 1830-5 - 1830-20
Components 1830-5 - 1830-7
Repair 1830-8 - 1830-19
Checking and adding
compressor oil 1830-16
Clutch coil and housing 1830-15 - 1830-16
Compressor pulley and
bearing 1830-14 - 1830-15
Compressor shaft seal 1830-10 - 1830-13
Leak testing compressor 1830-18 - 1830-19
Servicing 1830-17

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com