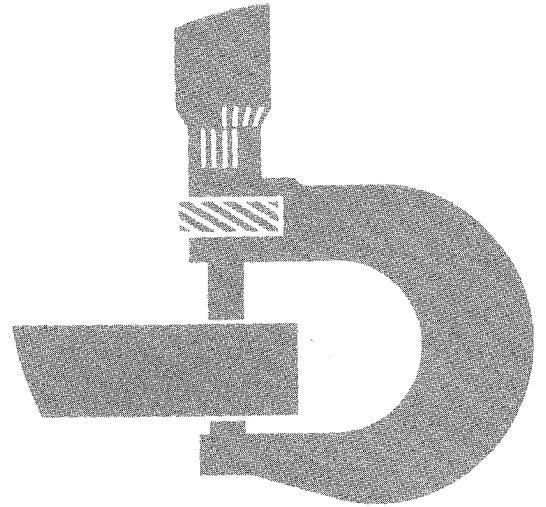


**John Deere
JD743
Tree Harvester
JD743
Feller-Buncher**



TECHNICAL MANUAL

TM-1159
LITHO IN U.S.A.

SECTION AND GROUP CONTENTS OF THIS MANUAL

SECTION I - GENERAL INFORMATION

- Group I - Contents, Index and Page List
- Group II - Introduction and Safety Information
- Group III - General Specifications
- Group IV - Predelivery, Delivery and After-Sales Services
- Group V - Lubrication

SECTION 1 - WHEELS

- Group 0110 - Powered Wheels, Tires and Fastenings
- Group 0199 - Specifications and Special Tools

SECTION 2 - AXLES AND SUSPENSION SYSTEMS

- Group 0201 - Drive Axle Housing and Support
- Group 0210 - Differential or Bevel Drive
- Group 0225 - Input Drive Shafts and U-Joints
- Group 0243 - Axle Lock Mounting
- Group 0250 - Axle Shaft, Bearings, Reduction Gears
- Group 0260 - Hydraulic System
- Group 0299 - Specifications and Special Tools

SECTION 3 - TRANSMISSION

- Group 0315 - Controls
- Group 0325 - Input Drive Shafts and U-Joints
- Group 0341 - Housings and Covers
- Group 0342 - Mounting Parts
- Group 0350 - Gears, Shafts, Bearings and Power Shift Clutch
- Group 0360 - Hydraulic System
- 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 - Oiling System
- Group 0408 - Ventilating System
- Group 0409 - Cylinder Head and Valves
- Group 0410 - Exhaust Manifold
- Group 0413 - Fuel Injection System
- Group 0414 - Intake Manifold
- Group 0416 - Turbocharger
- Group 0417 - Water Pump

- Group 0418 - Thermostats, Housings and Water Piping
- Group 0419 - Oil Cooler
- Group 0420 - Fuel Filter
- Group 0422 - Starting Motor and Fastenings
- Group 0429 - Fan Drive
- Group 0433 - Flywheel, Housing and Fastenings
- Group 0499 - Specifications and Special Tools

SECTION 5 - ENGINE AUXILIARY SYSTEMS

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

SECTION 9 - STEERING SYSTEM

- Group 0930 - Emergency Steering
- Group 0960 - Hydraulic System
- Group 0999 - Specifications and Special Tools

SECTION 10 - SERVICE BRAKES

- Group 1011 - Active Elements
- Group 1015 - Controls Linkage
- Group 1060 - Hydraulic System
- Group 1099 - Specifications and Special Tools

SECTION 11 - PARKING-EMERGENCY BRAKES

- Group 1111 - Active Elements
- Group 1115 - Controls Linkage
- Group 1199 - Specifications and Special Tools

SECTION 16 - ELECTRICAL SYSTEM

- 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 1675 - System Controls
- Group 1676 - Instruments and Indicators
- Group 1699 - Specifications and Special Tools

SECTION 17 - FRAMES, CHASSIS OR SUPPORTING STRUCTURE

- Group 1740 - Frame Installation
- Group 1746 - Frame Bottom Guards
- Group 1799 - Specifications and Special Tools

SECTION AND GROUP CONTENTS OF THIS MANUAL—Continued

SECTION 18 - OPERATOR'S STATION

- Group 1810 - Operator Enclosure
- Group 1830 - Heating and Air Conditioning
- Group 1899 - Specifications and Special Tools

SECTION 19 - SHEET METAL AND STYLING

- Group 1910 - Hood or Engine Enclosure
- Group 1913 - Miscellaneous Shields
- Group 1921 - Grille and Grille Housing

SECTION 20 - SAFETY, CONVENIENCE AND MISCELLANEOUS

- Group 2001 - Radio
- Group 2002 - Mirror
- Group 2003 - Fire Extinguisher
- Group 2004 - Horn
- Group 2006 - Cigar Lighter

SECTION 21 - MAIN HYDRAULIC SYSTEM

- Group 2160 - Hydraulic System
- Group 2199 - Specifications and Special Tools

SECTION 32 - BULLDOZERS

- Group 3201 - Blades
- Group 3215 - Controls Linkage
- Group 3260 - Hydraulic System
- Group 3299 - Specifications and Special Tools

SECTION 37 - ARCH OR BOOM, OR CRANES

- Group 3715 - Controls Linkage
- Group 3740 - Frames
- Group 3760 - Hydraulic System
- Group 3799 - Specifications and Special Tools

SECTION 39 - SHEAR

- Group 3901 - Blades and Cutting Elements
- Group 3903 - Tongue and Forks
- Group 3915 - Controls Linkage
- Group 3940 - Frame
- Group 3960 - Hydraulic System
- Group 3999 - Specifications and Special Tools

SECTION 41 - MISCELLANEOUS FUNCTION MECHANICAL DRIVE

- Group 4125 - Input Drive Shafts
- Group 4141 - Housing and Covers
- Group 4151 - Gears, Shafts and Bearings
- Group 4152 - Clutch
- Group 4160 - Hydraulic System
- Group 4199 - Specifications and Special Tools

SECTION 43 - SWING, ROTATION OR PIVOTING SYSTEM

- Group 4315 - Controls
- Group 4350 - Mechanical Drive Elements
- Group 4360 - Hydraulic System
- Group 4399 - Specifications and Special Tools

SECTION 44 - CUTTING MECHANISMS

- Group 4401 - Blades (Delimber Knives)
- Group 4440 - Frames (Delimber Carriage)
- Group 4460 - Hydraulic System
- Group 4499 - Specifications and Special Tools

SECTION 90 - SYSTEM TESTING

- Group 9005 - General Information
- Group 9010 - Engine
- Group 9015 - Electrical System
- Group 9015A - Electrical System (Automatic Control)
- Group 9020 - Power Train
- Group 9025 - Hydraulic System (Flow Meter)
- Group 9025A - Hydraulic System (Analyzer)
- Group 9030 - Miscellaneous Components
- Group 9031 - Heating and Air Conditioning
- Group 9035 - Specifications and Special Tools

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