John Deere 909J, 959J Tracked Feller Buncher Service Repair Technical Manual (TM10273)

644K 4WD Loader with Engines 6068HDW80, 6068HDW83 Repair

REPAIR TECHNICAL MANUAL

4WD Loaders with Engines 6068HDW80, 6068HDW83 models 644K (SN. before 642443)

TM10695 30 NOV 14 (ENGLISH)

For complete service information also see:

JDLink (MTG) Technical Manual	TM114519
644K 4WD Loader with Engines 6068HDW80 (T3), 6068HDW83 (S2) Diagnostic	TM10694
Alternators and Starting Motors	CTM77
TMIV1200 - 1400	CTM442
PowerTech 4045, Denso High Press	
Super Caddy Oil Cleanup Pro	
120 Series Hydraulic Cylinders	
185 Series Hydraulic Cylinders	CTM114919
120 Series Hydraulic Cylinders	CTM114319
125 Series Hydraulic Cylinders	CTM109319
PowerTech 4.5L & 6.8L Diesel Engines Tier 1/Stage I, Tier 2/Stage II, Tier 3/Stage IIIA, Tier 3/Stage IIA Tier 3/Stage III, (Base Engine)	CTM104
JDLINK/ZXLINK Machine Monitoring System	CTM10006

John Deere Construction and Forestry
Printed by Belgreen

TM10695

Covers: 909J,959J

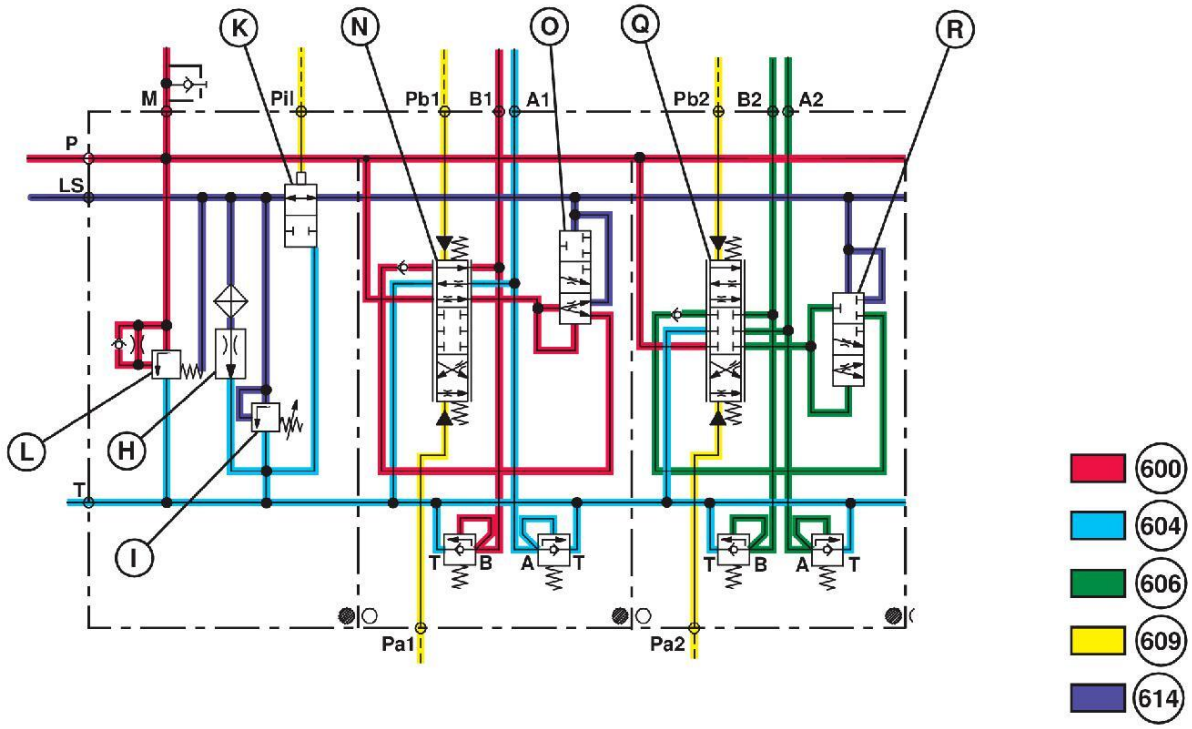
Type: Service Manual
Language: English
Pages: 408
Format: PDF
Features: Bookmarked, searchable, printable
Compatibility: Windows/Mac/Tablet/Mobile
This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere 909J, 959J Tracked Feller Buncher Service Repair Technical Manual (TM10273)**

In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

Contents:

- General Information
- Specifications
- Serial Number Location
- Engine Specifications
- Engine Diagnostics
- Engine Tests and Adjustments
- Engine Repair
- Power Train
- Transmission
- Axles
- Differential
- PTO
- Hydraulic System
- Electrical System
- Electrical Tests and Diagnostics
- Wiring Diagram / Schematic
- Ignition and Charging
- Steering
- Brakes
- Wheels
- Operator's Platform
- Body Panels
- Disassembly and Assembly
- Diagnostics, Tests and Adjustments
- Troubleshooting
- and much more...

Please note this manual is in **downloadable PDF format only.** If you have any questions about this product or would like to request sample pages, please contact us and reference the product name or SKU.



YN1271058-UN: Load Sense Schematic

LEGEND:

H-Flow Control Valve
I-Pressure Limiting Valve
K-Safety Valve
L-Unload Valve
N-Boom Spool Valve
O-Signal Replication Valve
Q-Arm Spool Valve
R-Signal Replication Valve
600-High-Pressure Oil
604-Return Oil
606-Trapped Oil
609-Pilot Control Oil
614-Load Sense Oil

For example, when the boom is operating, pilot oil flows through the pilot solenoid valve to the safety valve (K). Safety valve is opened and connected in the upper position. Boom spool valve (N) moves downward and the hydraulic oil flows through the boom spool valve to the signal replication valve (O). Signal replication valve is a proportional valve. Hydraulic oil moves the signal replication valve upwards. Signal replication valve is opened. Hydraulic oil enters the load sense oil line upwards and returns to the spool valve downward. After flowing through the spool valve twice, hydraulic oil enters the boom cylinder. The boom begins to operate and the load sense signal is formed

Safet