

# John Deere 750J (S.N. -141343) , 850J (S.N.-130885) Crawler Dozer Service Repair Manual (TM2261)

## 750J (S.N. before 141343), 850J (S.N. before 130885) Crawler Dozer Repair

### REPAIR TECHNICAL MANUAL

Dozer models 750J (S.N. —141343), 850J (S.N. —130885)

TM2261 10 MAR 16 (ENGLISH)

For complete service information also see:

|  |        |
|--|--------|
| 750J (S.N.-141343), 850J (S.N. -130885)<br>Crawler Dozer Diagnostic  | TM2260 |
| PowerTech 8.1 L Diesel Engines Base<br>Engine  | CTM86  |
| Alternators and Starting Motors  | CTM77  |
| PowerTech E 4.5 and 6.8L Diesel Engines<br>Level 16 Electronic Fuel System With<br>Denso HPCR  | CTM502 |
| PowerTech 4.5L<br>Level 12 Electronic Fuel System With<br>Stanadyne DE10 Pump  |        |
| Super Caddy Oil Cleanup  |        |
| PowerTech 8.1L Diesel Engine<br>Electronic Fuel System With Direct<br>Pressure Common Rail   | CTM255 |
| PowerTech 4.5L & 6.8L Diesel Engines Tier<br>1/Stage I, Tier 2/Stage II, Tier 3/Stage IIIA,<br>Tier 3/Stage IIA Tier 3/Stage III, (Base<br>Engine) | CTM104 |



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John Deere Construction and Forestry

Covers: 750J,850J

**Type:** Service Manual

**Language:** English

**Pages:** 569

**Format:** PDF

**Features:** Bookmarked, searchable, printable

**Compatibility:** Windows/Mac/Tablet/Mobile

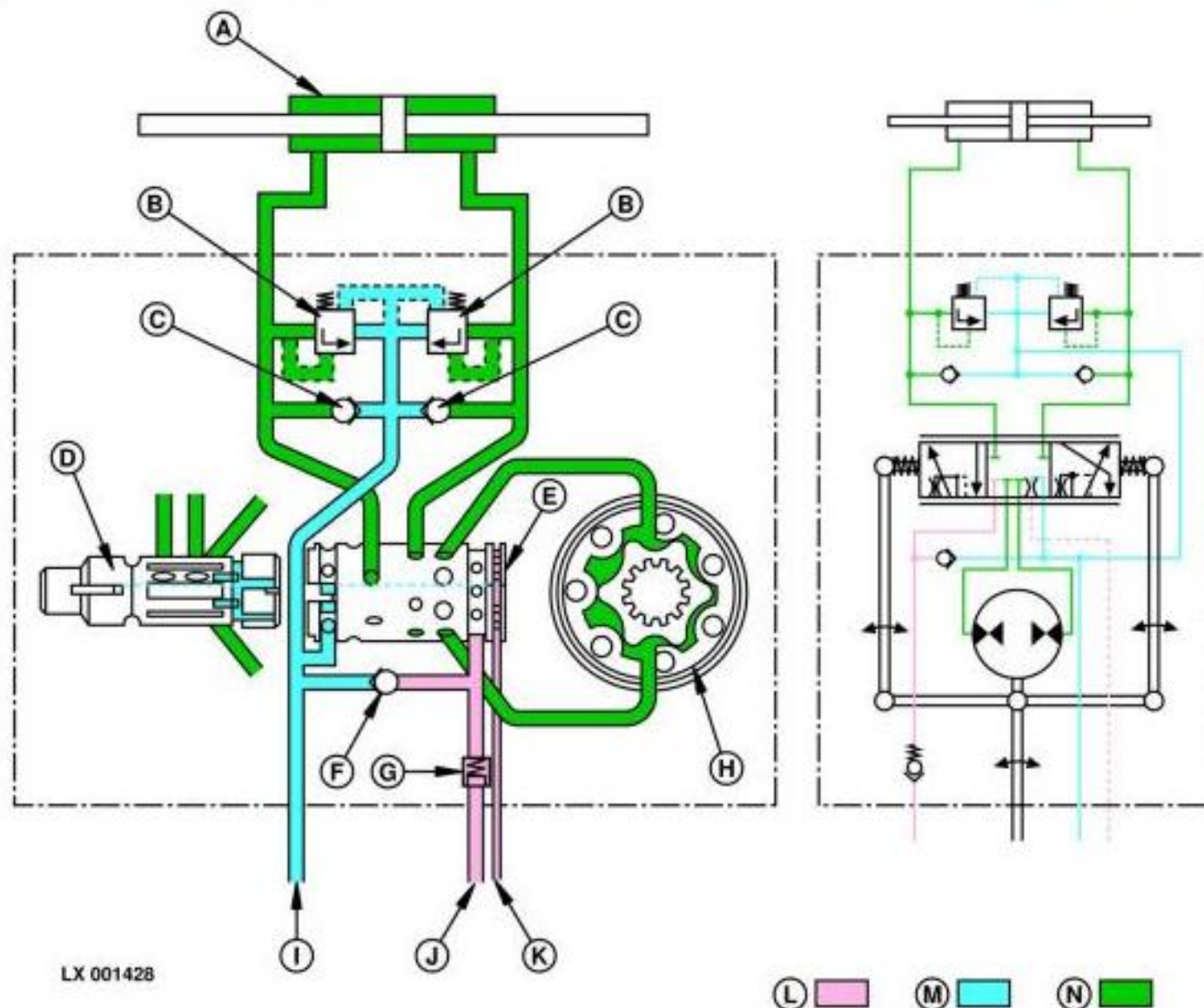
This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere 750J (S.N. -141343) , 850J (S.N.-130885) Crawler Dozer Service Repair Manual (TM2261)**

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.



### Oil Flow - Neutral Position

#### LEGEND:

|   |                         |
|---|-------------------------|
| A | Steering Cylinder       |
| B | Dampener Valves         |
| C | Suction Valves          |
| D | Valve Spool             |
| E | Valve Sleeve            |
| F | Check Valve             |
| G | Check Valve             |
| H | Metering Unit           |
| I | Oil Return Connection   |
| J | Pressure Oil Connection |
| K | Control Line            |
| L | Low Pressure Oil        |
| M | Return Oil              |
| N | Trapped oil             |

As soon as steering wheel movement stops, the leaf springs bring the spools to a neutral position. In this position the priority valve only allows a small amount of oil available for immediate use to pass through the spool ring channel. In this manner, oil pressure in the steering valve is relieved and oil is available for other components.

At the same time, oil passes from the priority valve to the steering valve by way of the control oil line. This return oil passes to the brake valve. Even if the steering is not operated for long periods, some oil is always circulating through the steering valve



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for your reading.  
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to get more information.