

John Deere 750J (S.N.-141343) , 850J (S.N. -130885) Crawler Dozer Diagnostic Service Manual (TM2260)

544K-II 4WD Loader
Operation and Test
(PIN: 1BZ544KA__D001001—)

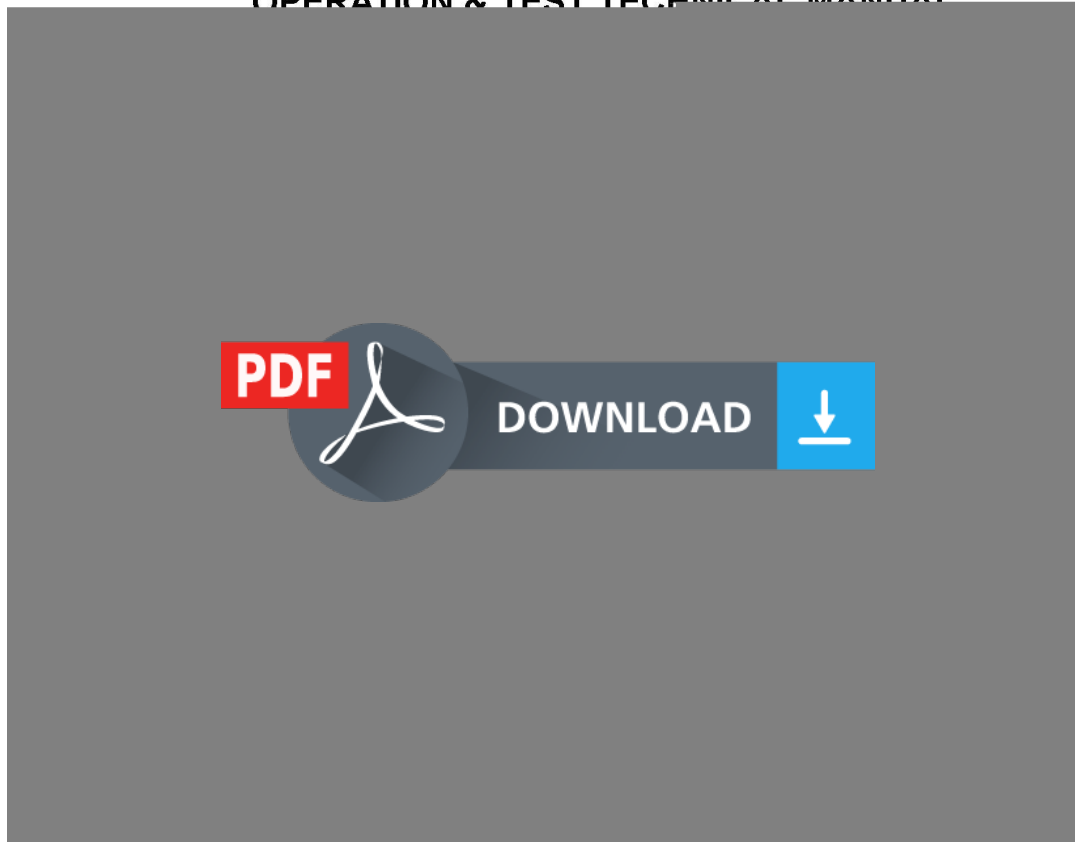


JOHN HARE



COLLECTION

OPERATION & TEST TECHNICAL MANUAL



Covers: 750J,850J

Type: Service Manual

Language: English

Pages: 656

Format: PDF

Features: Bookmarked, searchable, printable

Compatibility: Windows/Mac/Tablet/Mobile

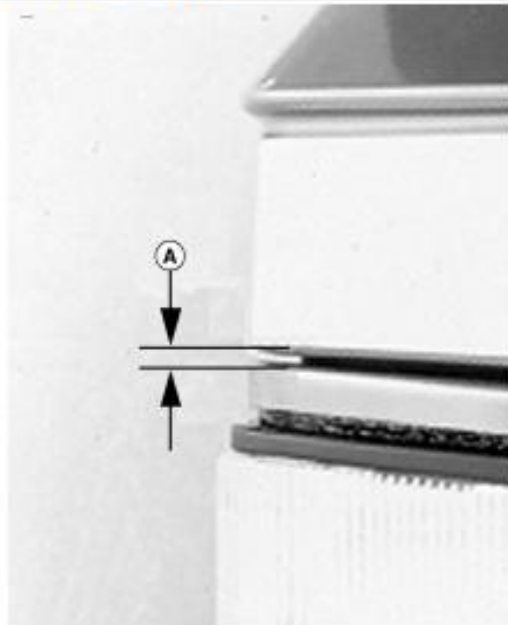
This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere 750J (S.N.-141343) , 850J (S.N. -130885) Crawler Dozer Diagnostic Service Manual (TM2260)**

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.

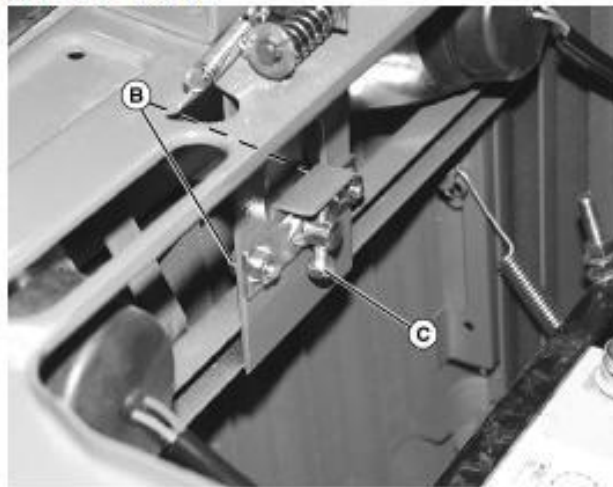
Contents:

- 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.

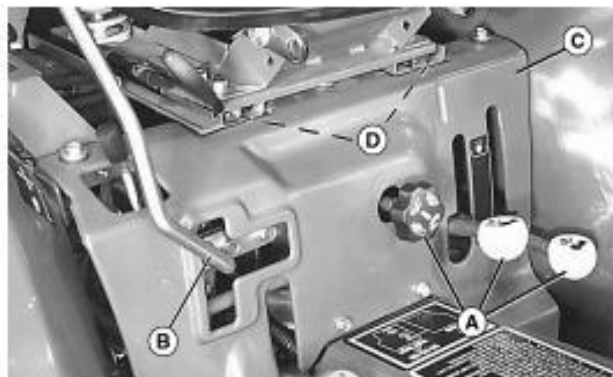


1. Check hood clearance (A). If clearance is more than 10 mm (0.394 in.), adjust hood latch height.
2. Remove front grille.



3. Loosen capscrews (B).
4. Adjust capscrew (C). Turn capscrew clockwise to lower or counterclockwise to raise hood latch.
5. Tighten capscrews (B) securely.
6. Install front grille.

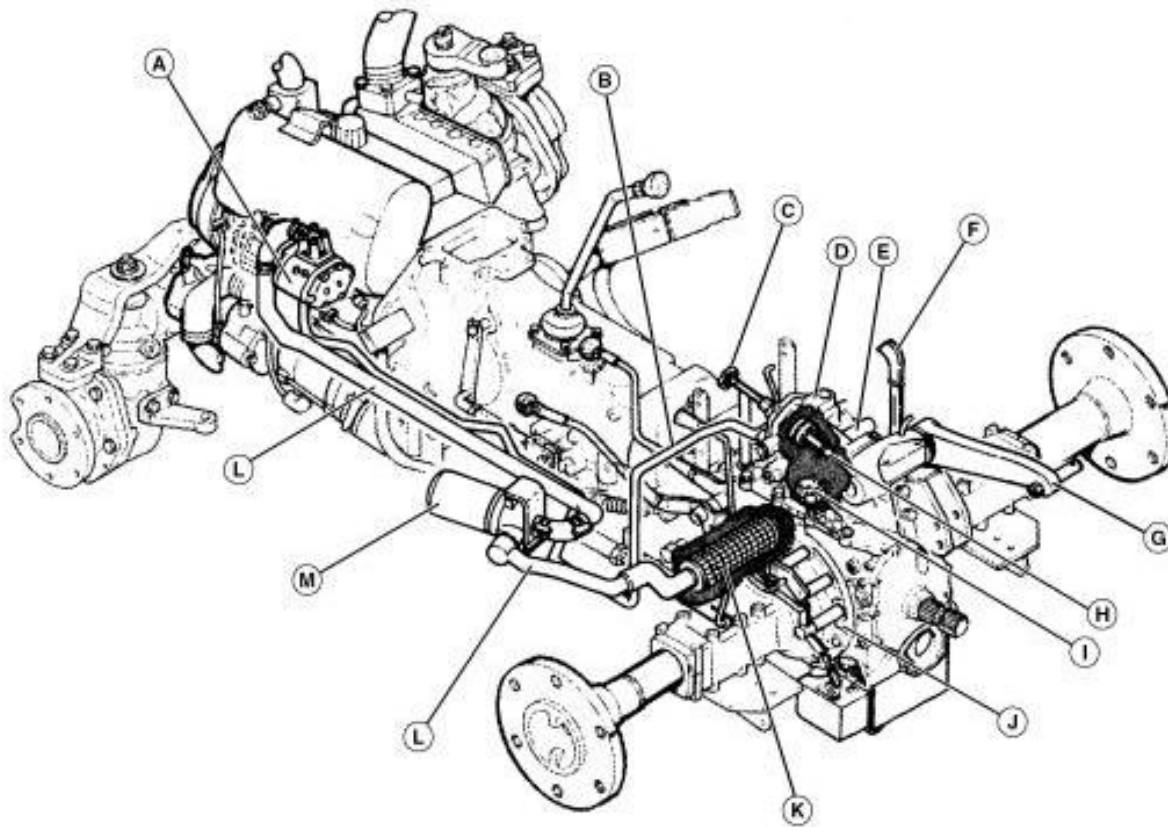
Seat Removal and Installation



1. Remove knobs (A).
2. Remove SCV lever (B), if equipped.

→NOTE: Move seat forward to remove top capscrew from front panel.

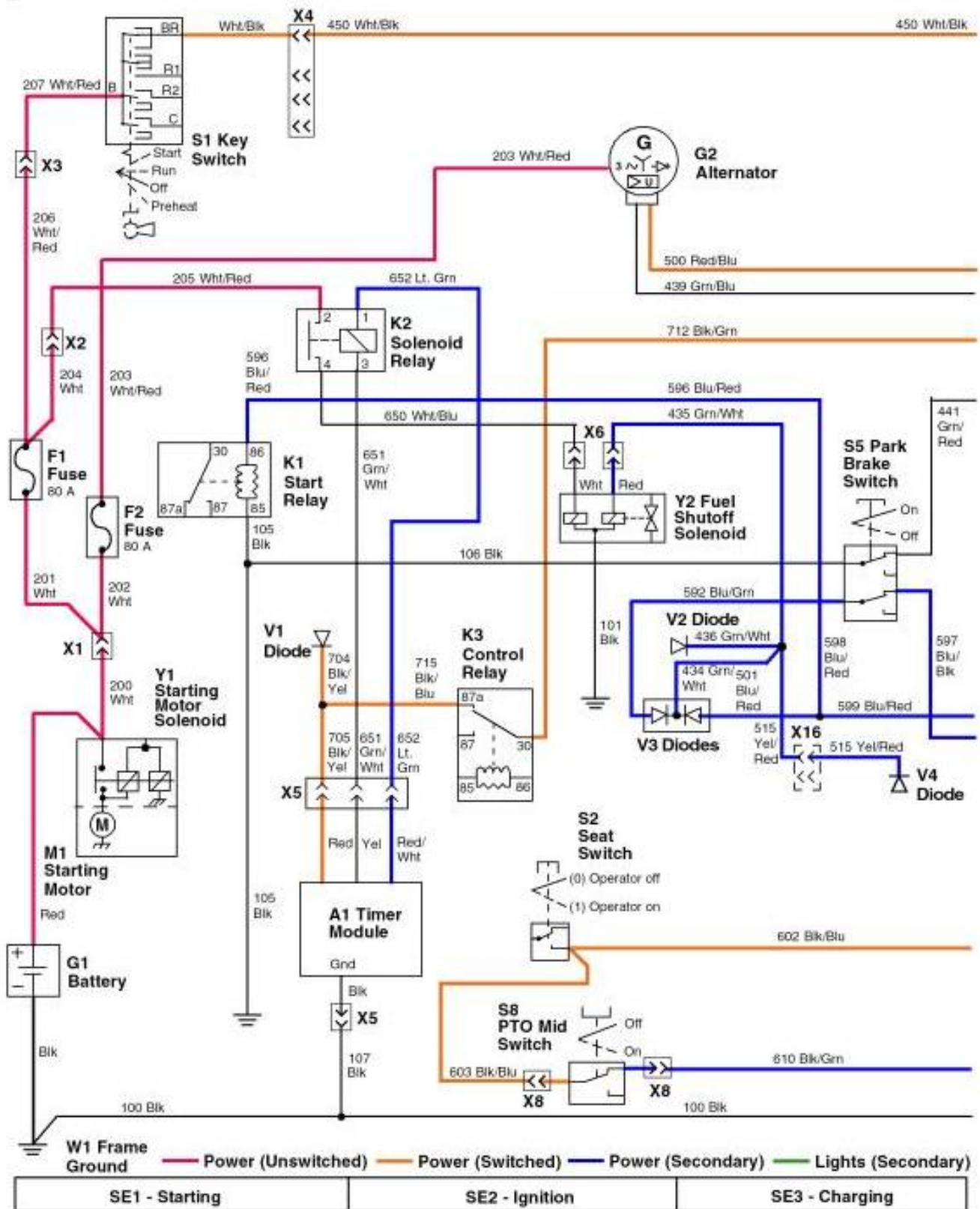
Hydraulic System



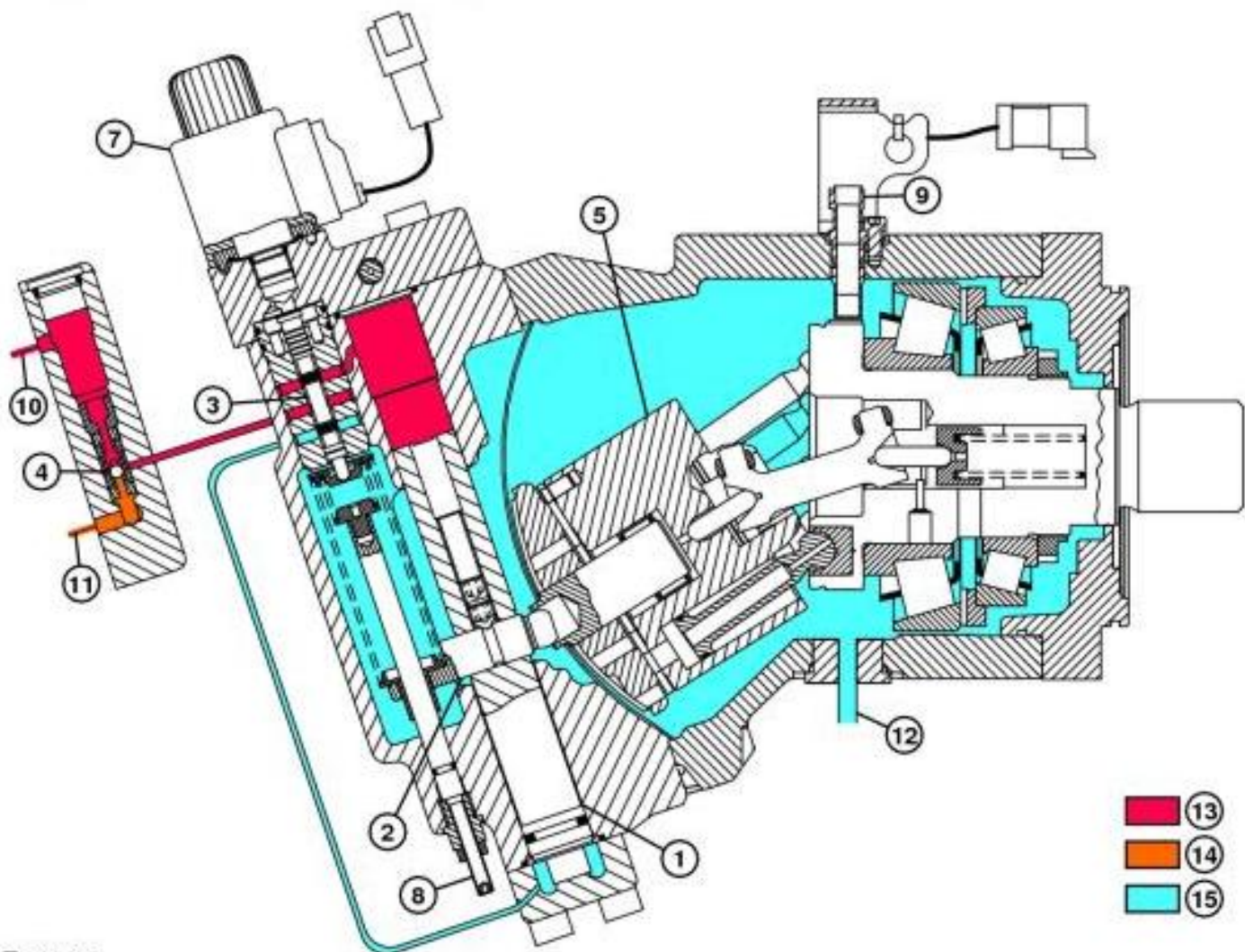
LEGEND:

Hydraulic Pump
 Hydraulic Supply Line
 Rate of Drop/Stop Valve
 Rockshaft Cylinder Head
 Rockshaft Housing
 Position Control Lever
 Rockshaft Lift Arm
 Rockshaft Cylinder
 Rockshaft Valve
 Reservoir
 Pick-Up Screen
 Suction Line
 Oil Filter

Power Circuit Electrical Schematic



Hydrostatic Motor Operation



T205062

Hydrostatic Motor Operation - Reverse (slow speed)

LEGEND:

1	Servo Piston
2	Feedback Pin
3	Motor Displacement Control Valve (MDCV)
4	Ball Shuttle
5	Rotating Group
7	Motor Shift Solenoid
8	Control Spring Adjusting Screw
9	Motor Speed Sensor
10	Closed Loop High Pressure
11	Closed Loop Charge Pressure
12	Case Drain Oil
13	High Pressure Oil
14	Charge Oil
15	Return Oil

The synchronizing shaft with spherical rollers synchronizes the rotation of the output shaft and the cylinder block. The ball end of each piston runs in a socket bushing pressed into the output shaft. No other parts are used to connect the pistons to the shaft.

The motor displacement unit consists of a servo piston (1), a Motor Displacement Control Valve (MDCV) (3) assembly and a direct acting variable solenoid control (7).

The servo piston is connected to the cylinder block (5) with the feedback pin (2). The servo piston positions the cylinder block



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