

# John Deere 250D, 300D Articulated Dump Truck (SN.609166-626760) Service Repair Manual (TM1161)

250D and 300D Articulated  
Dump Truck (SN.  
609166-626760) Repair



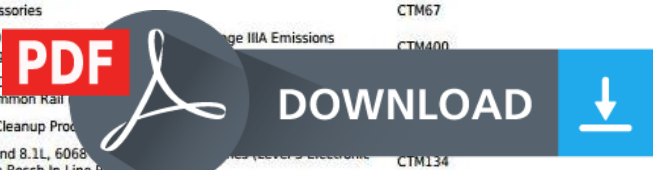
## REPAIR TECHNICAL MANUAL

Articulated Dump Trucks models 250D, 300D (SN. 609166—626760)

TM1161 04 FEB 15 (ENGLISH)

**For complete service information also see:**

250D and 300D Articulated Dump Truck (SN. 609166-626760) Diagnostic	TM1160
JDLINK (MTG) Technical Manual	TM114519
Alternators and Starting Motors	CTM77
OEM Engine Accessories	CTM67
PowerTech 9.0L O Series Engine IIIA Emissions Certified Base Engine	CTM400
PowerTech 6090 D Series High Pressure Common Rail Fuel Systems with Bosch In-Line Pumps	CTM134
Super Caddy Oil Cleanup Product	
PowerTech 6.8L and 8.1L, 6068 Series (Reverser) Electronics	CTM134
120 Series Hydraulic Cylinders	CTM120519
120 Series Hydraulic Cylinders	CTM114319
COOLANT HEATER SERVICE MANUAL	CTM10090X19
JDLINK/ZXLINK Machine Monitoring System	CTM10006



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**Covers:** 250D,609166-626760),300D,609166-626760)

**Type:** Service Manual

**Language:** English

**Pages:** 695

**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 250D, 300D Articulated Dump Truck (SN.609166-626760) Service Repair Manual (TM1161)**

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.

## Group 0210 - Differential or Bevel Drive

### Front and Rear Axle Differential Remove and Install

[1] -

→NOTE:

Front axle shown. Procedure is same for rear axle.



LEGEND:

1 Cap Screw (16 used)

#### Differential Mounting Cap Screws

Remove axle. [See Front Axle Remove and Install](#). (Group 0200.)

[2] -



**CAUTION:**

**Heavy component; use a hoist.**

Item	Measurement	Specification
Front Axle	Weight (approximate)	1111 kg 2450 lb.
Rear Axle—250D	Weight (approximate)	907 kg 2000 lb.
Rear Axle—300D	Weight (approximate)	1043 kg 2300 lb.

Drain axle housing. The approximate axle oil capacity is 39.7 L (10.5 gal.). [See Change Axle Oil](#). (Operator's Manual.)

[3] - Drain final drive planetaries. The approximate final drive planetary oil capacity is 2.0 L (2.1 qt.) each. [See Change Final Drive Oil](#). (Operator's Manual.)

[4] - Remove axle shafts. [See Axle Shaft Remove and Install](#). (Group 0250.)

[5] - Remove cap screws (1).

[6] -



**CAUTION:**

**Heavy component; use a hoist.**

Item	Measurement	Specification
Front or Rear Axle Differential	Weight (approximate)	96 kg 212 lb.



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