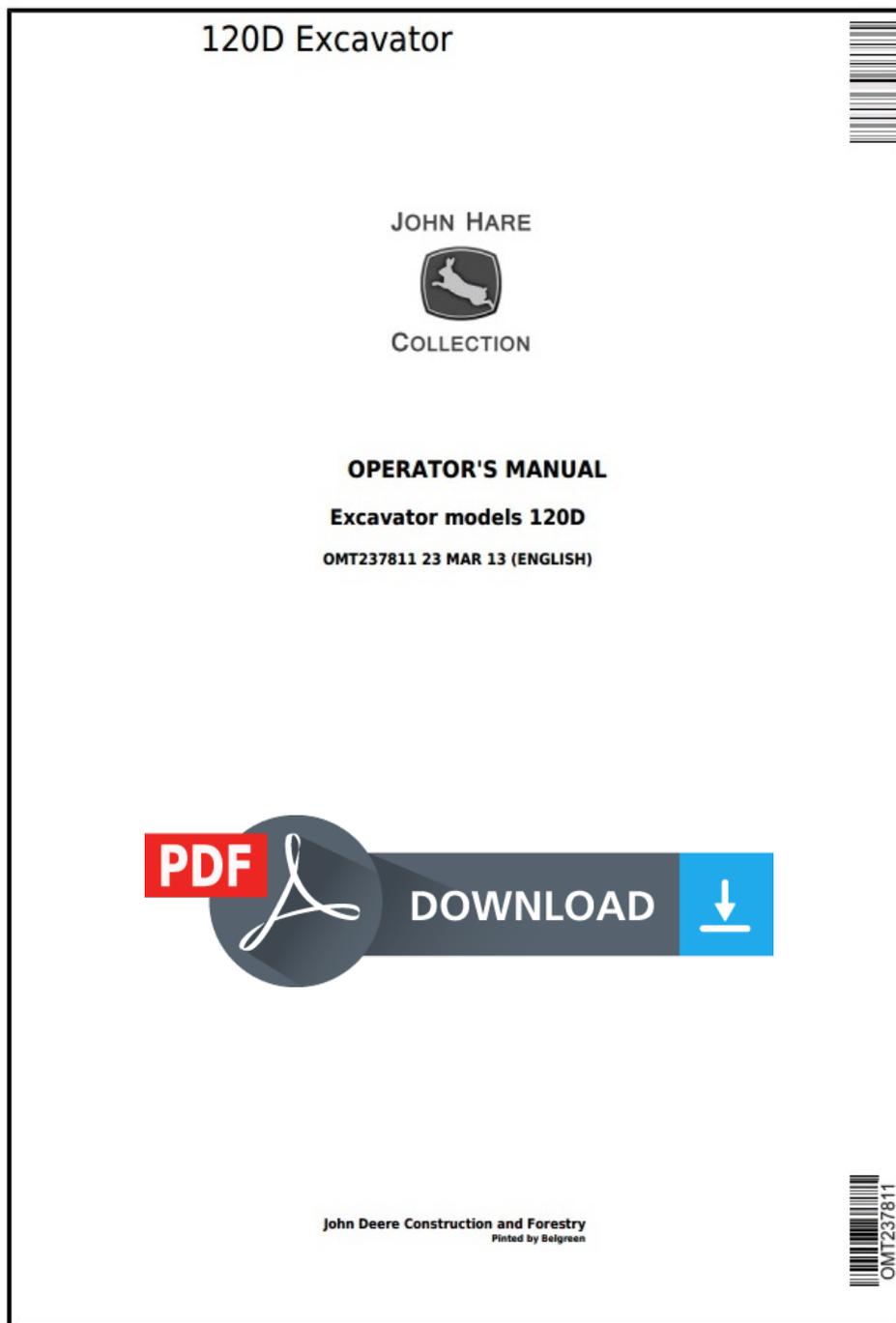


# John Deere 120D Crawler Excavator Operator's Manual (OMT237811)



**Type:** Service Manual

**Language:** English

**Pages:** 268

**Format:** PDF

**Features:** Bookmarked, searchable, printable

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

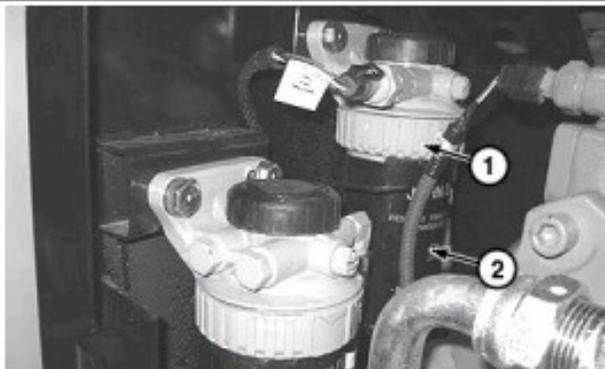
This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere 120D Crawler Excavator Operator's Manual (OMT237811)**

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
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- Wiring Diagram / Schematic
- Ignition and Charging
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- 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.

**LEGEND:**

- 1 Retaining Ring
- 2 Fuel Filter

**Final Fuel Filter**

[1] - Turn retaining ring (1) counterclockwise to remove filter (2). Allow sediment to drain into a container. Dispose of waste properly.

[2] - Clean filter base.

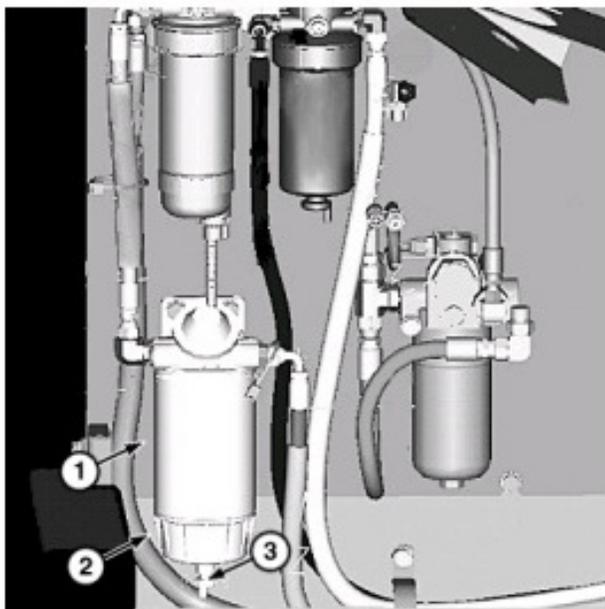
[3] - Install new filter. (Follow instructions on filter.)

**IMPORTANT:**

*For John Deere Tier 3 engines and beyond ONLY: DO NOT prefill fuel filters. Debris in unfiltered fuel will damage fuel system components.*

[4] - Bleed fuel system. See Bleed Fuel System. (Section 4-1.)

## Replacing Auxiliary Fuel Filter and Water Separator—If Equipped

**LEGEND:**

- 1 Auxiliary Fuel Filter and Water Separator
- 2 Sediment Bowl
- 3 Drain Valve Hose

**Auxiliary Fuel Filter and Water Separator**

[1] - Open engine service door to access auxiliary fuel filter and water separator (1).

[2] - Thoroughly clean auxiliary fuel filter header assembly and surrounding area.

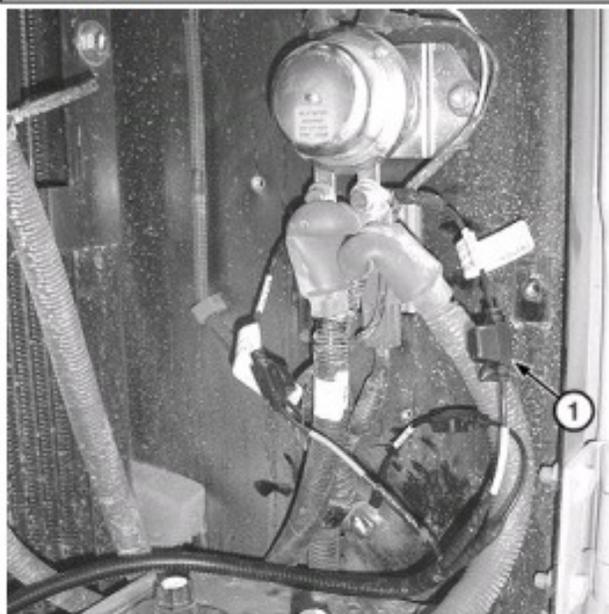
[3] - Disconnect preheat element electrical connector, if equipped.

[4] - Place suitable container under drain valve hose (3).

[5] - Open drain valve hose and drain fuel. Dispose of waste properly.

[6] - Close drain valve hose and remove sediment bowl (2) from filter assembly. Clean and dry sediment bowl.

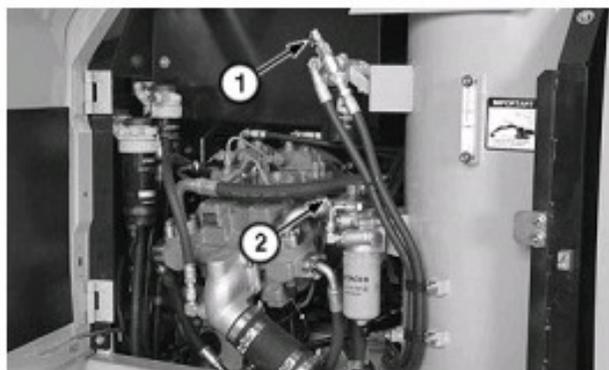
[7] -



### **JDLink In-line Fuse**

- [1] - Turn machine off.
- [2] - Open battery compartment access door.
- [3] - Remove cap screws (2) from cover to access the 7.5 Amp JDLink™ unswitched power in-line fuse (1) on the yellow wire.
- [4] - To deactivate the JDLink™ Machine Monitoring System, remove the unswitched power in-line fuse.
- [5] - Install cover and cap screws.
- [6] - Close access door.

### **Fluid Sampling Test Ports—If Equipped**



#### **LEGEND:**

- 1 Engine Sample Port
- 2 Hydraulic Sample Port

### **120D Fluid Sample Locations**

To access the fluid sampling test ports, open the right side engine compartment door.

### **Welding On Machine**

#### **IMPORTANT:**

**Disconnect battery ground strap or turn battery disconnect switch to "OFF" to prevent voltage spikes through alternator or monitor.**

**Disable electrical power before welding. Turn off main battery switch or disconnect positive battery cable. Separate harness connectors to engine and vehicle microprocessors.**

**Connect welder ground clamp close to each weld area so electrical current does not arc inside any bearings.**



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