

# John Deere 270LC Excavator Service Repair Technical Manual (tm1668)

## 204L and 304L Compact 4WD Loader Repair

(PIN: 1LU204LX\_\_B040073—;  
PIN: 1LU304LX\_\_B040073—)



JOHN HARE



COLLECTION

### REPAIR MANUAL

**204L and 304L Compact 4WD Loader**  
(PIN: 1LU204LX\_\_B040073—; PIN: 1LU304LX\_\_B040073—)

TM14272X19 01DEC18 (ENGLISH)

For complete service information also see:

204L and 304L Compact 4WD Loader Operators  
Manual..... OMT401205X19  
204L and 304L Compact 4WD Loader Operator  
Test..... 1271X19



Worldwide Construction and  
Forestry Division

**Covers: 270LC**

**Type:** Service Manual

**Language:** English

**Pages:** 679

**Format:** PDF

**Features:** Bookmarked, searchable, printable

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

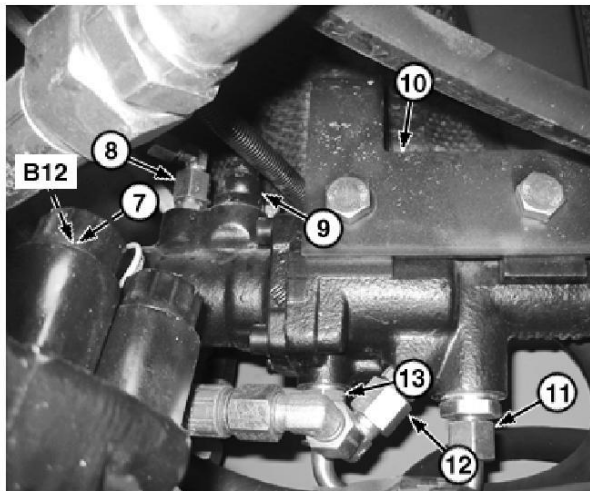
This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere 270LC Excavator Service Repair Technical Manual (tm1668)**

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.

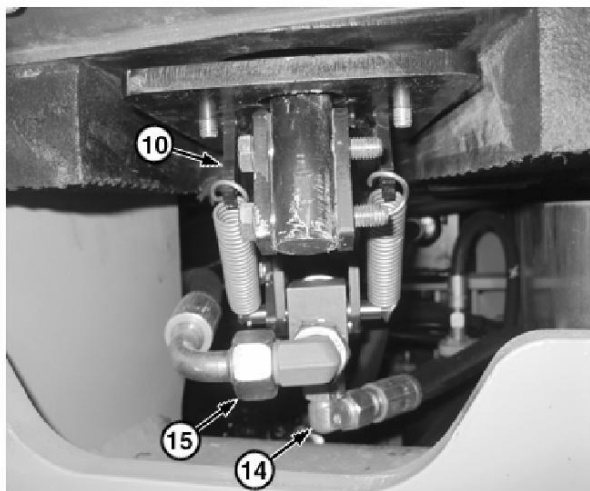
**Contents:**

- 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
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- Brakes
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- 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.



8. TX1147597A-UN: Brake-Inching Valve Assembly



TX1147598A-UN: Brake-Inching Valve (end view)

**LEGEND:**

**7-Electrical Connector**

**8-Hydraulic Hose**

**9-Hydraulic Hose**

**10-Brake-Inching Valve Assembly**

**11-Hydraulic Hose**

**12-Hydraulic Hose**

**13-Hydraulic Hose**

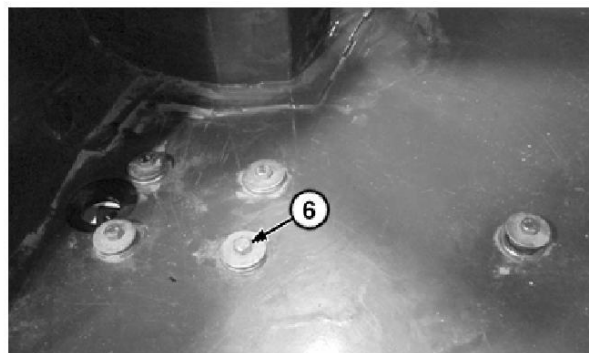
**14-Hydraulic Hose**

**15-Hydraulic Hose**

**B12-Brake Lights Pressure Switch**

Install identification tags and disconnect hydraulic hoses (8, 9, and 11—15). Close all openings using caps and plugs. See Service and Park Brake System Component Location - document TM14271X19 - (Group 9020-10.)

- Disconnect electrical connector (7) from brake lights pressure switch (B12).



10. TX1147599A-UN: Brake-Inching Valve Cap Screws

**LEGEND:**

**6-Cap Screw (5 used)**

Remove cap screws (6).

- Remove brake-inching valve assembly (10).
- Repair or replace parts as necessary.
- Install brake-inching valve assembly. Tighten cap screws.
- Connect electrical connector.
- Connect hydraulic hoses. See Service and Park Brake System Component Location - document TM14271X19 - (Group 9020-10.)
- Install brake pedal.
- Install cab front cover.
- Install center access cover.
- Turn battery disconnect switch to the ON position. See Battery Disconnect Switch - document OMT401205X19 - (Operator's Manual.)
- Fill hydraulic system. See Drain and Refill Hydraulic Oil - document OMT401205X19 - (Operator's Manual.)
- Perform hydrostatic start-up procedure. See [Hydrostatic Start-Up Procedure](#). (Group 0300.)
- Perform hydraulic start-up procedure. See [Hydraulic Start-Up Procedure](#). (Group 2160.)
- Operate machine and check for leaks.

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