

# **John Deere 544J 4WD Loader (SN. from 611800) Service Repair Technical Manual (TM10244)**

## **4500, 4600 and 4700 Compact Utility Tractors**

### **TECHNICAL MANUAL**



**John Deere  
Commercial and Consumer  
Equipment Division**

**TM1679 (Jun00)  
Replaces TM1679 (Oct99)**

Litho in U.S.A

**Covers:** 544J,611800)

**Type:** Service Manual

**Language:** English

**Pages:** 436

**Format:** PDF

**Features:** Bookmarked, searchable, printable

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

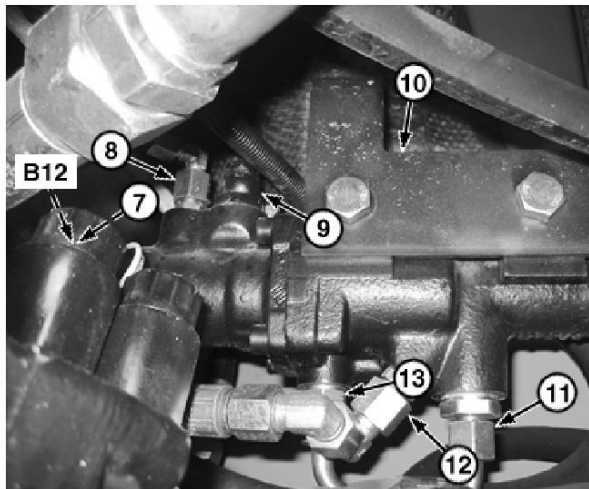
This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere 544J 4WD Loader (SN. from 611800) Service Repair Technical Manual (TM10244)**

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.

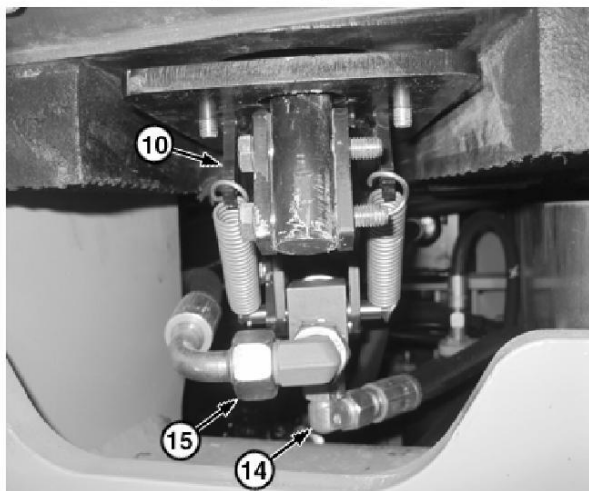
**Contents:**

- General Information
- Specifications
- Serial Number Location
- Engine Specifications
- Engine Diagnostics
- Engine Tests and Adjustments
- Engine Repair
- Power Train
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- Differential
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- Electrical System
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- 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.



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**

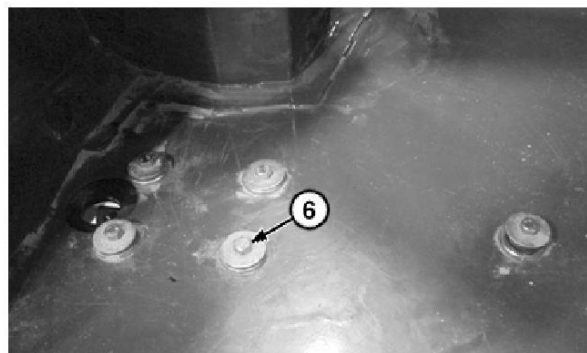
**14-Hydraulic Hose**

**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.)

9. 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).

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

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