



# John Deere 540G-2 640G-2 548G-2 648G-2 748G-2 (SN.565685-576252) Skidder Diagnostic Manual (TM1693)

310SL Backhoe Loader  
Repair

**REPAIR TECHNICAL MANUAL**  
**Backhoe Loaders models 310SL (SN from 273920)**  
**TM13296X19 16 FEB 16 (ENGLISH)**

For complete service information also see:

310SL Backhoe Loader Diagnostic	TM13295X19
JDLINK (MTG) Technical Manual	TM114519
PowerTech E 4.5 and 6.8L Diesel Engines Level 16 Electronic Fuel System With Denso HPCR	CTM502
PowerTech 4.5L & 6.8L Diesel Engines Level 12 Electronic Fuel System With Standard DE16	CTM331
PowerTech 4045 with the Denso	
120 Series Hydraulic Cyl	
PowerTech 4.5L & 6.8L Diesel Engines (base Engine)	

**PDF**  **DOWNLOAD** 

John Deere Construction and Forestry  
Printed by Bolgreen

TM13296X19

**Covers:** 565685-576252);,540G-II,548G-II,640G-II,648G-II,748G-II

**Type:** Service Manual

**Language:** English

**Pages:** 697

**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 540G-2 640G-2 548G-2 648G-2 748G-2 (SN.565685-576252) Skidder Diagnostic Manual (TM1693)**

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.

## Mechanical Front Wheel Drive (MFWD) Axle Disassemble

### Essential Tools

ESSENTIAL TOOLS
D053135T Snap Ring Pliers
JDG10939 Snap Ring Pliers Tip

### Service Equipment and Tools

SERVICE EQUIPMENT AND TOOLS
D01003AA Repair Stand
D01048AA 17 1/2 - Ton Capacity Puller Set
JDG10799 Tie Rod End Separating Tool
JDG10693 Clamping Fork
JDG10830 Internal Extractor

### Planetary Drive Remove

[1] -



#### LEGEND:

- 1 Axle Assembly
- 2 D01003AA Repair Stand

#### Axle Support Stand

Place axle assembly (1) in D01003AA Repair Stand (2).

Repair Stand

D01003AA

For supporting front axle.

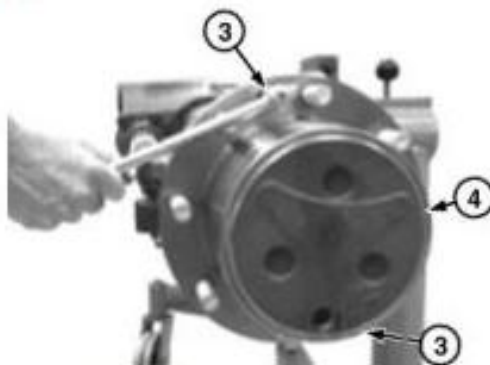
[2] -

#### →NOTE:

**Pressure may build up in planetary carrier housing. To relieve pressure, rotate hub until drain plug is in top position and slowly remove plug. Rotate hub until drain plug is in bottom position and drain oil.**

Drain planetary housing oil, [see Drain and Refill MFWD Front Axle Housing Oil—If Equipped](#). (Operator's Manual.)

[3] -



#### LEGEND:

- 3 Cap Screw (2 used)
- 4 Planetary Carrier



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