

John Deere Tractor 6415, 6615, 6100E, 6110E, 6125E (South America) Diagnostic Service Manual (TM800319)

304H Loader Repair

REPAIR TECHNICAL MANUAL

4WD Loader 304H

TM1864 22FEB05 (ENGLISH)

For complete service information also see:

304H Loader Diagnostic	TM1863
Alternators and Starting Motors	CTM77
John Deere Series 220 Diesel Engines	CTM3
POWERTEC 0.9, 1.1, 1.2, 1.3, 1.5, 1.6 & 2.0 L and Yanmar 4TNE98 Diesel Engines	CTM119



John Deere Construction and Forestry

Covers: 6100E,6110E,6125E,6415,6615

Type: Service Manual

Language: English

Pages: 1013

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 Tractor 6415, 6615, 6100E, 6110E, 6125E (South America) Diagnostic Service Manual (TM800319)**

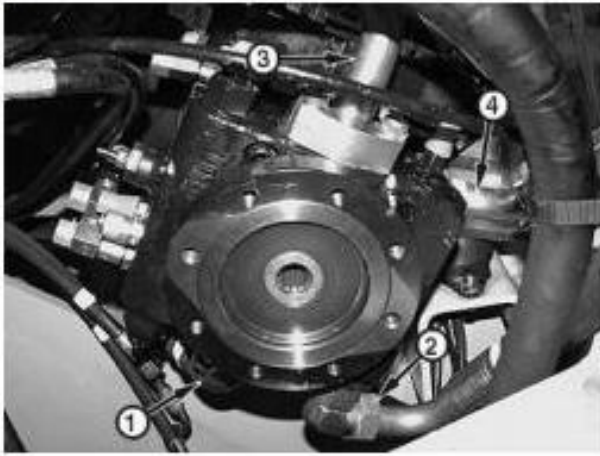
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

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.

[7] -

**LEGEND:**

- 1 Hydrostatic Pump-to-Hydrostatic Motor Line (Port A)
- 2 Hydrostatic Pump-to-Reservoir Line
- 3 Hydrostatic Pump-to-Hydrostatic Motor Line (Port B)
- 4 Hydrostatic Pump-to-Filter Line

Hydrostatic Pump Line Connections

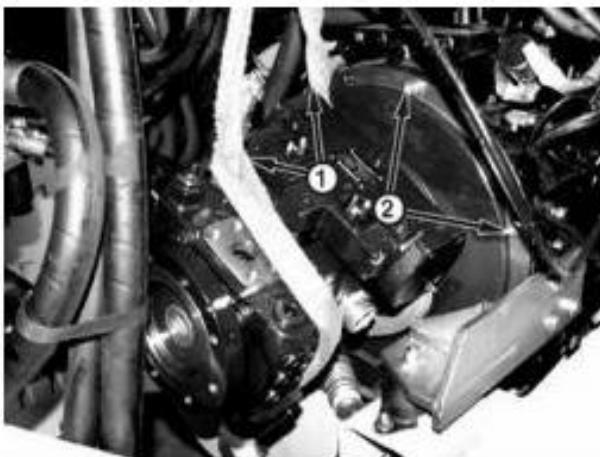
Disconnect hydraulic lines (1-4) from hydrostatic pump.

[8] -

**CAUTION:**

The approximate weight of hydrostatic pump assembly is 75 kg (165 lbs).

Item	Measurement	Specification
Hydrostatic Pump Assembly	Weight	75 kg (165 lbs) Approximate

**LEGEND:**

- 1 Lifting Sling
- 2 Socket Head Screws and Lock Washers (12 used)

Hydrostatic Pump Removal

Install lifting sling (1) around hydrostatic pump. Support weight of hydrostatic pump with hoist.

[9] - Remove socket head screws and lock washers (2).

[10] - Carefully remove hydrostatic pump.

[11] -

Remove and Install Speed Control Linkage

Remove and Install Speed Control Cable

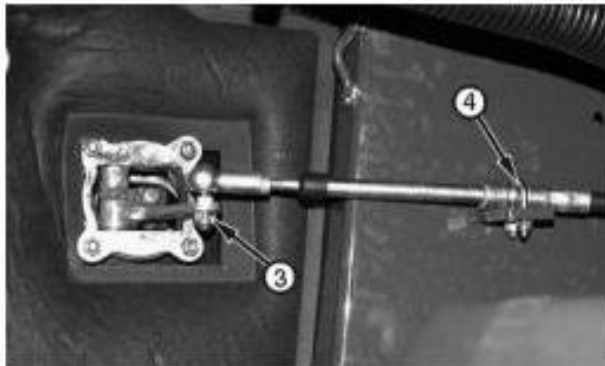
[1] -



LEGEND:

1	Jam Nut
2	Lock Nut
3	Lock Nut
4	U-Bolt

Throttle Cable-To-Injection Pump Connection



Throttle Cable-To-Accelerator Pedal Connection

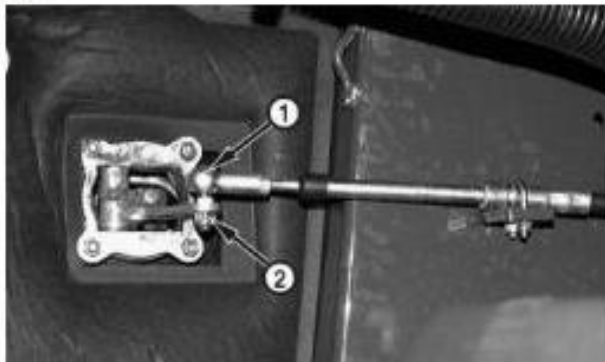
Loosen jam nut (1) and remove lock nut (2).

[2] - Remove lock nut (3), U-bolt (4), and cable.

[3] - Install and adjust speed control cable. (See [Speed Control Linkage Adjustment](#) in this group.)

Remove and Install Accelerator Pedal

[1] -



LEGEND:

1	Ball Joint
2	Lock Nut
3	Socket Head Screw (4 used)

Throttle Cable-To-Accelerator Pedal Connection



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