

John Deere 304J 4WD Loader (SN. from 23372) Service Repair Technical Manual (TM11217)

304J 4WD Loader Repair



REPAIR TECHNICAL MANUAL 4WD Loaders Models 304J (S.N. 23372-)

TM11217 04 MAR 16 (ENGLISH)

For complete service information also see:

304J Loader Diagnostic

Alternators and Starting Motors

Super Caddy Oil Cleanup Procedure

POWERTECH 2.4 L & 3.0 L Diesel Engines

PowerTech E 2.4L

TM11216

CTM77

CTM310

CTM301

CTM101019



John Deere Construction and Forestry
Printed by Belgreen



Covers: 304J,23372-

Type: Service Manual

Language: English

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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 304J 4WD Loader (SN. from 23372) Service Repair Technical Manual (TM11217)**

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.

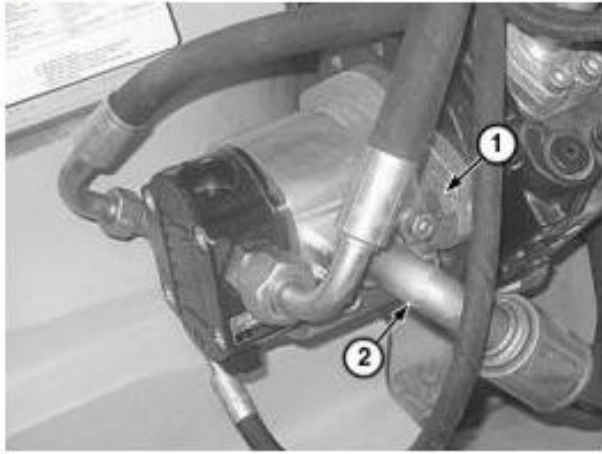
Contents:

- General Information
- Specifications
- Serial Number Location
- Engine Specifications
- Engine Diagnostics
- Engine Tests and Adjustments
- Engine Repair
- Power Train
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- Body Panels
- Disassembly and Assembly
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- 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.

Charge Pump Remove and Install

[1] -



LEGEND:

- 1 Cap Screw (2 used)
- 2 Hydraulic Line

Charge Pump

Drain hydraulic reservoir or apply a vacuum to retain oil in reservoir. [See Drain and Refill Capacities](#). (Operator's Manual.)

[2] -

→NOTE:

Close all hose and fitting openings using caps and plugs to prevent contamination of hydraulic system.

Disconnect hydraulic line (2).

[3] -



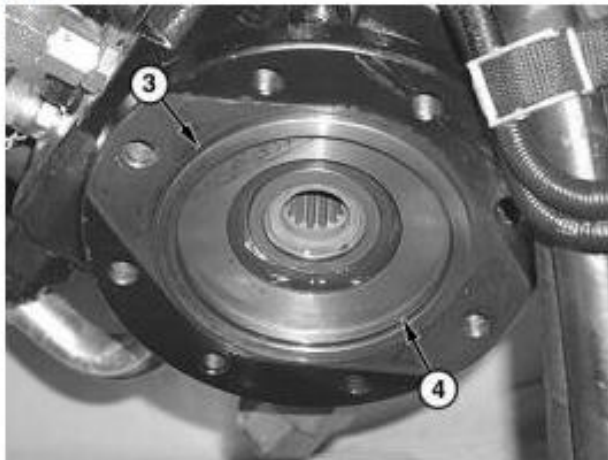
CAUTION:

Prevent possible crushing injury from heavy component. Use appropriate lifting device.

Remove cap screws (1), washers, and main hydraulic pump.

Item	Measurement	Specification
Main Hydraulic Pump	Weight (approximate)	16 kg 35 lb.

[4] -



LEGEND:

- 3 Seal Ring Retainer
- 4 O-Ring

Seal Ring Retainer

Remove seal ring retainer (3) and O-ring (4).

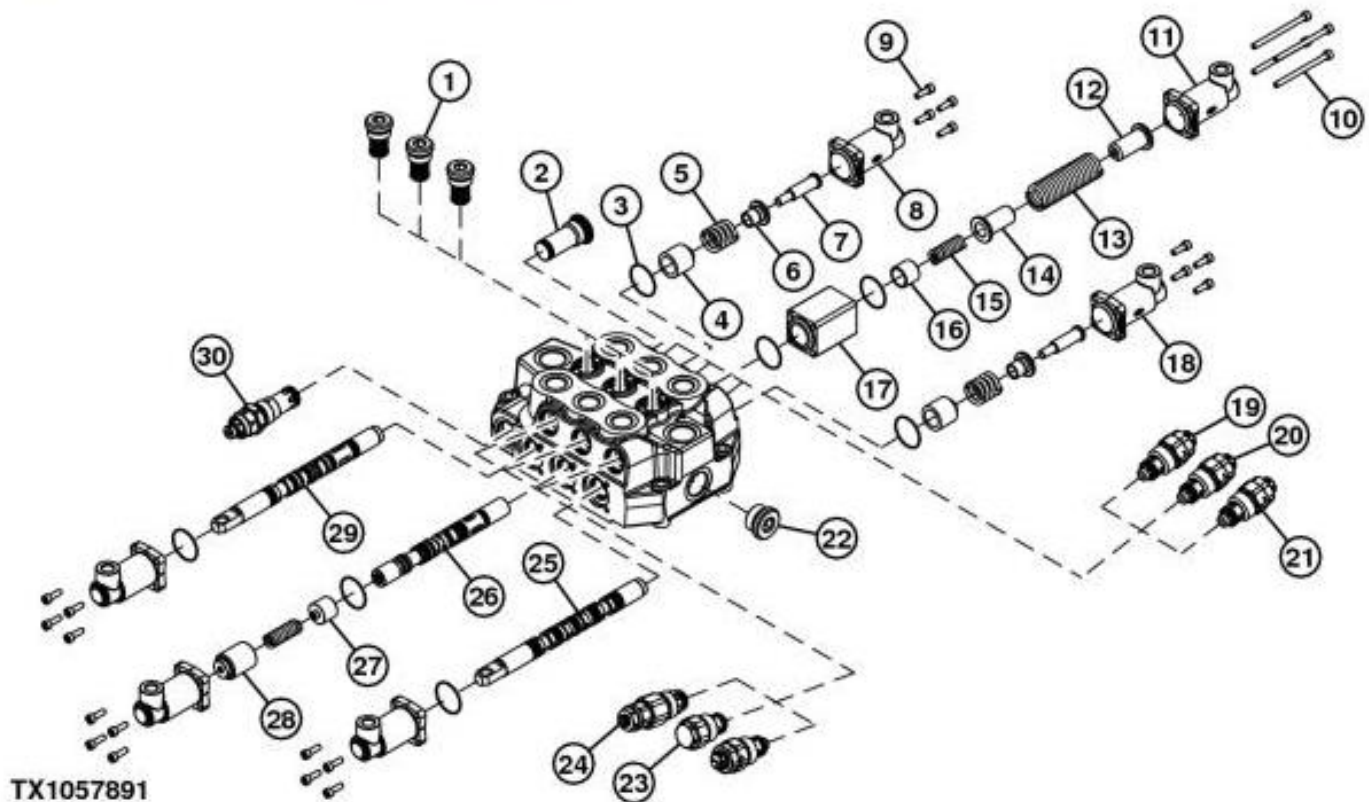
[5] -

Loader Control Valve Disassemble and Assemble

[1] -

→NOTE:

Clean loader control valve as necessary before disassembling.



TX1057891

Loader Control Valve

LEGEND:

1	Load Holding Valve (3 used)
2	Plug
3	O-Ring (7 used)
4	Spring Retainer (2 used)
5	Spring (2 used)
6	Spring Retainer (2 used)
7	Spool Plug (2 used)
8	Auxiliary Spool End Cap (2 used)
9	Cap Screw (20 used)
10	Cap Screw (4 used)
11	Boom Spool End Cap (2 used)
12	Spring Retainer
13	Spring
14	Spring Retainer
15	Spring (2 used)
16	Spring Retainer
17	Spacer
18	Bucket Spool End Cap (2 used)
19	Auxiliary Circuit Relief Valve
20	Boom Circuit Relief Valve
21	Bucket Circuit Relief Valve
22	Plug
23	Boom Circuit Feeder Valve
24	Auxiliary Circuit Relief Valve
25	Bucket Circuit Spool
26	Boom Circuit Spool
27	Spring Retainer
28	Spring Retainer
29	Auxiliary Circuit Spool



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