

John Deere 320G, 324G Skid Steer Loader Repair Technical Manual - TM14294X19

320G, 324G Skid Steer Loader Repair

PIN: 1T0320G__J328658—
(EH CONTROLS)
PIN: 1T0324G__J328658—
(EH CONTROLS)



JOHN HARE



COLLECTION

REPAIR TECHNICAL MANUAL 320G, 324G Skid Steer Loader with EH Controls (PIN: 1T0320G__J328658—;PIN: 1T0324G__J328658—)

TM14294X19 01DEC18 (ENGLISH)

For complete service information also see:

320G, 324G Skid Steer Loader Diagnostic
4TNV98C and 4TNV98CT
Stage IV platform) Technical
Hydraulic Cylinders.....



Worldwide Construction and
Forestry Division

Covers: 320G,1T0320G__,J328658,324G,1T0324G__,J328658

Type: Service Manual

Language: English

Pages: 257

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 320G, 324G Skid Steer Loader Repair Technical Manual - TM14294X19**

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.



14.

T198863A-UN: Rolling Drag Torque

Install a temporary cap screw and nut in one hole of the mounting flange and tighten.

15. Place torque wrench on temporary cap screw at a right angle to the centerline. Check rolling drag torque. Apply pressure until rolling drag torque is reached.

Item	Measurement	Specification
Axle Bearing	Rolling Drag Torque	4.52—13.56 N·m 40—120 lb-in.



16.

T198864A-UN: Bearing Pre-Load Measurement

While maintaining pressure, measure distance between washer and snap ring. Add 0.025 mm (0.001 in.) to the measured value to determine the number of shims required for bearing pre-load.

17. Remove snap ring and washer. Install required shims and washer.
18. Install snap ring.
19. Apply force to axle shaft to seat bearing and shims against snap ring.

Item	Measurement	Specification
Axle Shaft	Force	44 482 N 10 000 lb-force

Hydrostatic Pump Remove and Install

SPECIFICATIONS	
Hydrostatic Pump Weight	100 kg 220 lb
Cap Screw (1) Torque	130 N·m 96 lb·ft
Cap Screw (2) Torque	205 N·m 151 lb·ft

REMOVAL

1. Remove front attachment and park machine on a flat, level surface.



2. CAUTION:

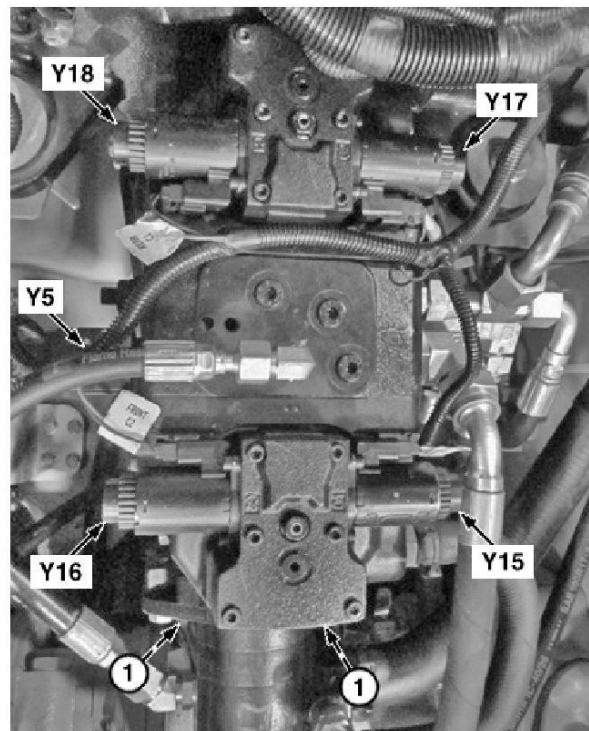
To avoid injury from escaping fluid under pressure, stop engine and relieve the pressure in the system before disconnecting or connecting hydraulic or other lines. Tighten all connections before applying pressure.

Relieve hydraulic system pressure. See Hydraulic System Pressure Release - document TM14290X19 - (Group 9025-25.)

3. Drain hydraulic reservoir. See Drain and Refill Hydraulic Oil - document OMT396972X19 - (Operator's Manual.)
4. Remove footwell. See Footwell Removal - document OMT396972X19 - (Operator's Manual.)
5. NOTE:

Hydraulic pump and hydrostatic pumps can be removed as a single assembly. It is only necessary to separate hydraulic pump from hydrostatic pumps if either are to be serviced.

Install identification tags and disconnect hydraulic lines from hydraulic pump. Remove hydraulic pump if necessary. Close all openings using caps and plugs. See Hydraulic Pump Remove and Install. (Group 2160.)



6. TX1213269A-UN: Hydrostatic Pump Electrical Connectors

LEGEND:

1-Cap Screw (2 used)

Y5-Park Brake Solenoid

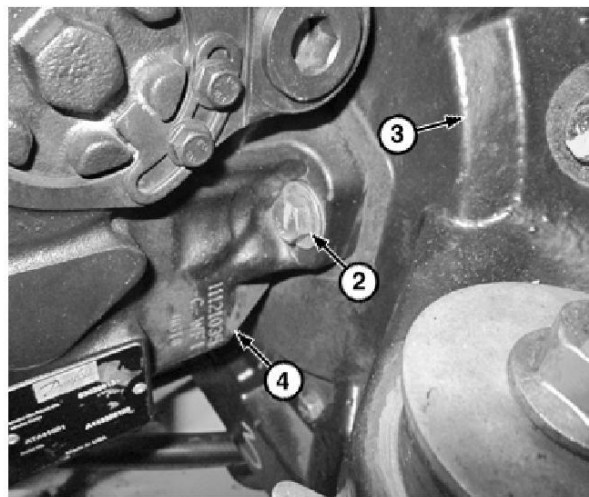
Y15-Right C1 Hydrostatic Pump Solenoid

Y16-Right C2 Hydrostatic Pump Solenoid

Y17-Left C2 Hydrostatic Pump Solenoid

Y18-Left C1 Hydrostatic Pump Solenoid

Disconnect electrical connectors from solenoids (Y5 and Y15—Y18).



7. TX1213271A-UN: Hydrostatic Pump Mount

LEGEND:

2-Cap Screw (2 used)

3-Flywheel Housing

4-Hydrostatic Pump (2 used)

Disconnect all hydrostatic and hydraulic lines from hydrostatic pumps (4). For line identification, see Hydraulic System Component Location - document TM14290X19 - (Group 9026-10.)

8. Remove cap screws (1) from below hydrostatic pump support bracket.
9. Remove cap screws (2).



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