

# John Deere 320G, 324G Skid Steer Loader Repair Technical Manual - TM14296X19

## 320G, 324G Skid Steer Loader Repair

PIN: 1T0320G\_\_G328658—  
(EH CONTROLS)  
PIN: 1T0324G\_\_G328658—  
(EH CONTROLS)



JOHN HARE



COLLECTION

### REPAIR TECHNICAL MANUAL

#### 320G, 324G Skid Steer Loader with EH Controls

(PIN: 1T0320G\_\_G328658—; PIN: 1T0324G\_\_G328658—)

TM14296X19 01DEC19 (ENGLISH)

For complete service information also see:

320G, 324G Skid Steer Loader Diagnostic... TM14296X19  
4TNV98 and 4TNV98T Dies...  
Hydraulic Cylinders.....



Worldwide Construction and  
Forestry Division

Covers: 320G,1T0320G\_\_,G328658,324G,1T0324G\_\_,G328658

**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 - TM14296X19**

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:**

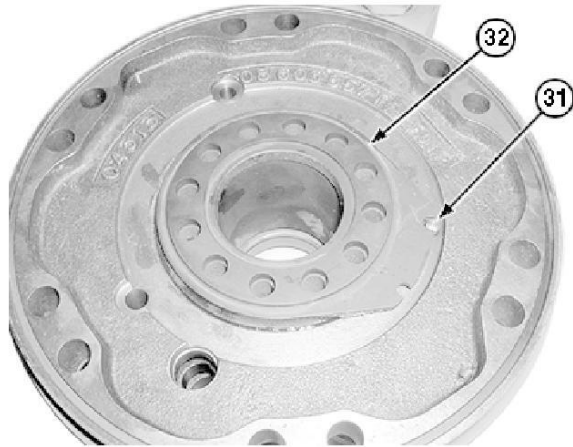
- General Information
- Specifications
- Serial Number Location
- Engine Specifications
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- Engine Tests and Adjustments
- Engine Repair
- Power Train
- Transmission
- Axles
- Differential
- PTO
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- Wiring Diagram / Schematic
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- 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.

6. NOTE:

The notches in the flange of the distribution valve are used to determine the direction of motor rotation. Distribution valve must be in original position.

Output shaft will rotate backwards if motor is assembled with distribution valve in the incorrect position.

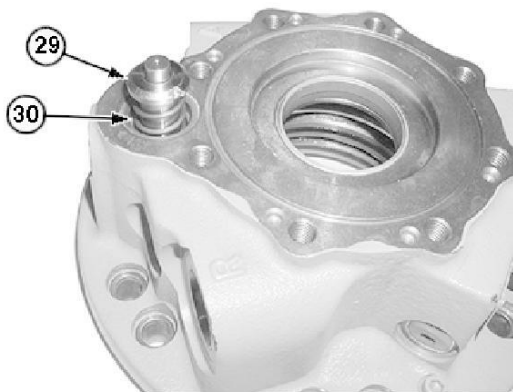


TX1087821A-UN: Hydrostatic Motor Assemble

LEGEND:

- 31-Alignment Pin
- 32-Distribution Valve

Coat seals and distribution valve sealing surfaces with hydraulic oil. Place distribution valve into distribution housing, being sure to align correct notch in distribution valve with alignment pin (31).



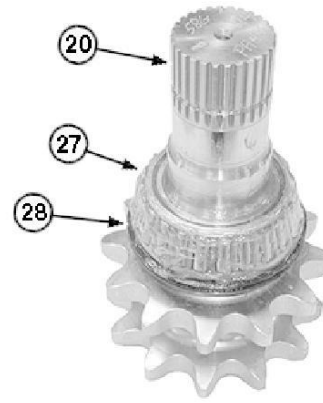
7. TX1087820A-UN: Hydrostatic Motor Assemble

LEGEND:

- 29-Shift Valve
- 30-Spring

Install shift valve (29) and spring (30) in distribution housing.

8. Install park brake assembly to distribution housing. See Park Brake Assemble at the end of this procedure.



9. TX1089259A-UN: Hydrostatic Motor Assemble

LEGEND:

- 20-Shaft
- 27-Outer Bearing
- 28-Outer Seal

Install new outer seal (28) on shaft (20), with seal recess facing away from bearing position.

10. Thoroughly pack outer bearing with multipurpose HD lithium complex grease.

11. Lightly lubricate shaft and ID of outer bearing.

12. NOTE:

Outer seal is 'sandwiched' between bearing and shoulder on shaft.

Press outer bearing (27) onto shaft until seated.



13. TX1087809A-UN: Hydrostatic Motor Assemble

LEGEND:

- 26-Inner Seal

Install new inner seal (26) in bearing housing. Make sure that lip of seal is facing up (into bearing housing).

14. Press both bearing races into bearing housing.

15. Lightly grease lips of outer seal. Please shaft assembly, resting on sprocket, in press.

16. Place bearing housing on shaft.

17. Lightly lubricate shaft, ID of inner bearing, bearing rollers, and bearing races with hydraulic oil.

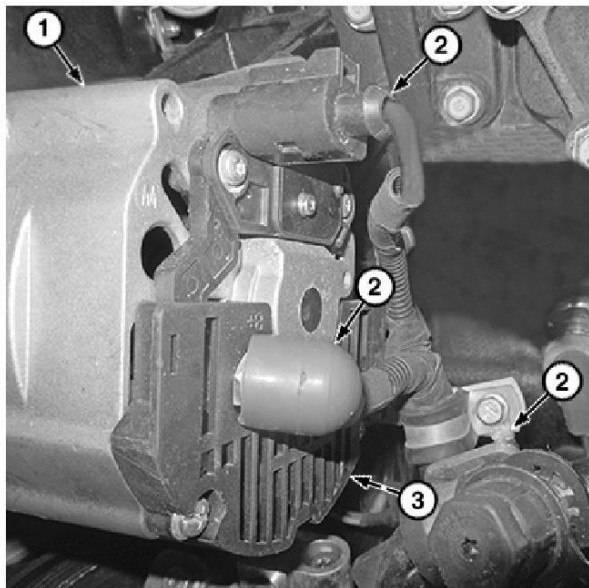
## Starter Motor Remove and Install

### SPECIFICATIONS

Nut (11) Torque	9 N·m 80 lb·in
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### REMOVAL

1. Park and prepare machine for service. See Park and Prepare for Service Safely. (Operator's Manual.)
2. Remove engine side panels. See Engine Side Panels—Remove and Install - document OMT396973X19 - (Operator's Manual.)
3. Disconnect battery. See Removing Battery - document OMT396973X19 - (Operator's Manual.)



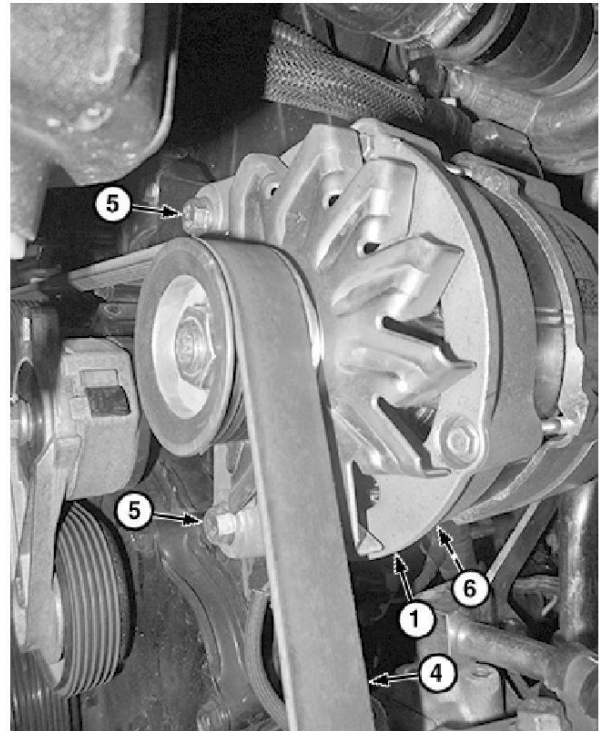
4. TX1255901A-UN: Alternator Electrical Connectors

#### LEGEND:

- 1-Alternator
- 2-Electrical Connector (3 used)
- 3-Nut

Install identification tags and disconnect electrical connectors (2) from alternator (1).

5. Remove nut (3).



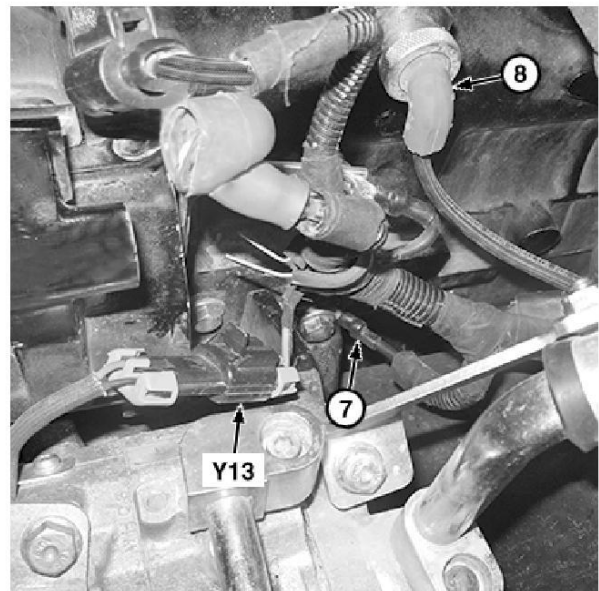
6. TX1255900A-UN: Alternator

#### LEGEND:

- 1-Alternator
- 4-Accessory Drive Belt
- 5-Cap Screw (2 used)
- 6-Spacer (2 used)

Remove accessory drive belt (4) from alternator. See Replacing Accessory Drive Belt - document OMT396973X19 - (Operator's Manual.)

7. Remove cap screws (5), spacers (6), and alternator.



8. TX1256327A-UN: Block Heater (if equipped)

#### LEGEND:

- 7-Electrical Connector (ground)
- 8-Block Heater (if equipped)
- Y13-Air Conditioner Compressor Clutch Solenoid

Install identification tags and disconnect air conditioner compressor clutch solenoid (Y13), block heater (if equipped) (8), and electrical connector (7).



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