

# John Deere 315SK (T3/S3A) Backhoe Loader (SN: D229820-) Service Repair Technical Manual (TM12472)

624K 4WD Loader with  
Engines 6068HDW79 (T3),  
6068HDW83 (S2) (S.N.  
642625 - 658964)



**Covers:** 315SK,1T0315SK\*\*D229820-;,1T0315SK\*\*C219607-)

**Type:** Service Manual

**Language:** English

**Pages:** 733

**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 315SK (T3/S3A) Backhoe Loader (SN: D229820-) Service Repair Technical Manual (TM12472)**

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
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- PTO
- Hydraulic System
- Electrical System
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- 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.

**Sun gear shaft install**

Install sun gear shaft (2) in drive shaft with retaining ring (1).

**Knuckle Housing Install**

[1] -

→NOTE:

Be careful not to damage shaft seal in axle housing. Turn drive shaft during installation until splines engage in differential.

**LEGEND:**

- 1 Knuckle Housing and Drive Shaft
- 2 Axle Housing

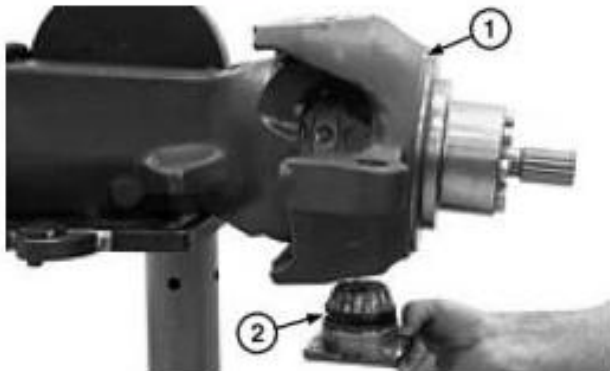
**Knuckle housing and drive shaft install**

Install knuckle housing and drive shaft (1) in axle housing (2).

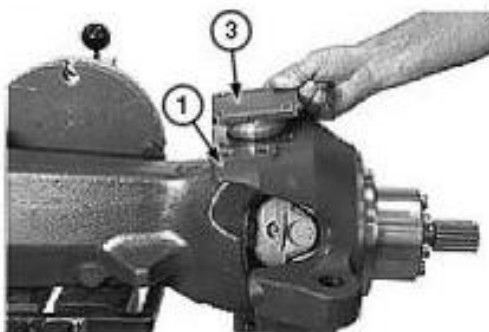
[2] -

→NOTE:

Before installation coat king pins and taper roller bearings with multipurpose grease.

**LEGEND:**

- 1 Knuckle Housing and Drive Shaft
- 2 Lower King Pin
- 3 Upper King Pin

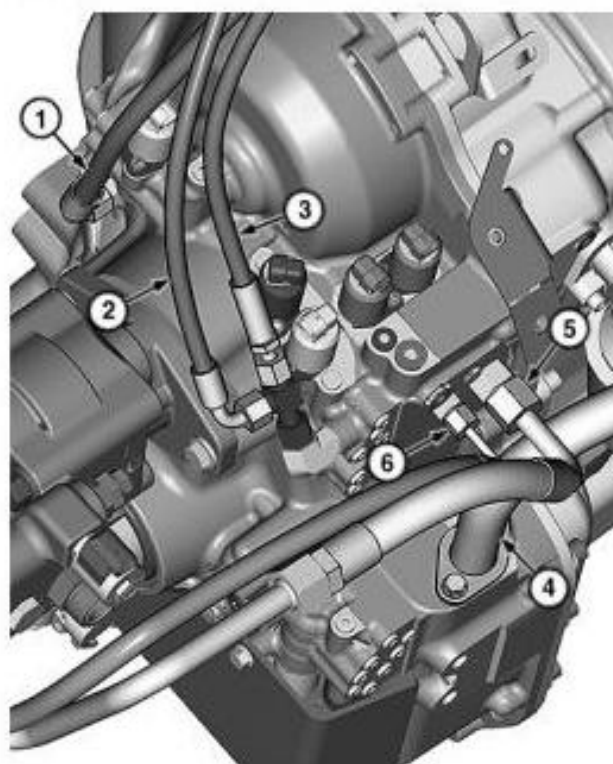
**Lower king pin install****Upper king pin**

Install lower and upper king pins (2,3).

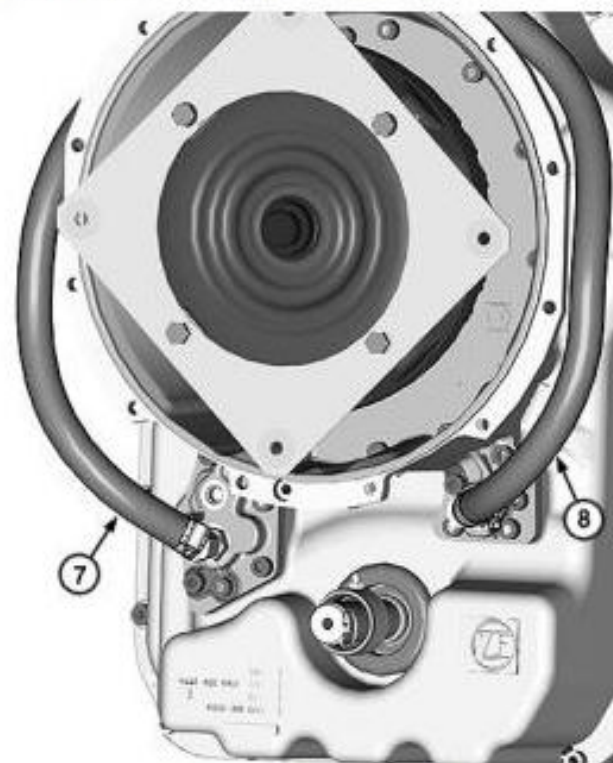
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**CAUTION:**

To avoid injury from escaping fluid under pressure, relieve the pressure in the system before disconnecting hydraulic hoses. Tighten all connections before applying pressure.

**LEGEND:**

- 1 Transmission Reservoir Port Line
- 2 Brake Boost Pressure Line
- 3 Brake Boost Return Line
- 4 Transmission Dipstick Fill Tube
- 5 Differential Lock -to-Transmission Line
- 6 Transmission-to-Park Brake Line
- 7 Transmission Cooler-to-Transmission Line
- 8 Transmission Cooler -to-Transmission Line

**Transmission Hydraulic Connections****Transmission Hydraulic Connections**

Install identification tags and disconnect lines (1—3, 13, and 5—8). Close all openings with caps and plugs.



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