

John Deere 624K-II (SN: C677549-, D677549-) 4WD Loader Operation & Test Service Manual (TM14147X19)

670G, 670GP, 672G and 672GP Motor Graders Repair



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JOHN HARE



COLLECTION

REPAIR MANUAL 670G, 670GP, 672G and 672GP Motor Graders

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Worldwide Construction and
Forestry Division

Covers: 624K-II, 1DW624K__, C677549; 1DW624K__, D677549

Type: Service Manual

Language: English

Pages: 941

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 624K-II (SN: C677549-, D677549-) 4WD Loader Operation & Test Service Manual (TM14147X19)**

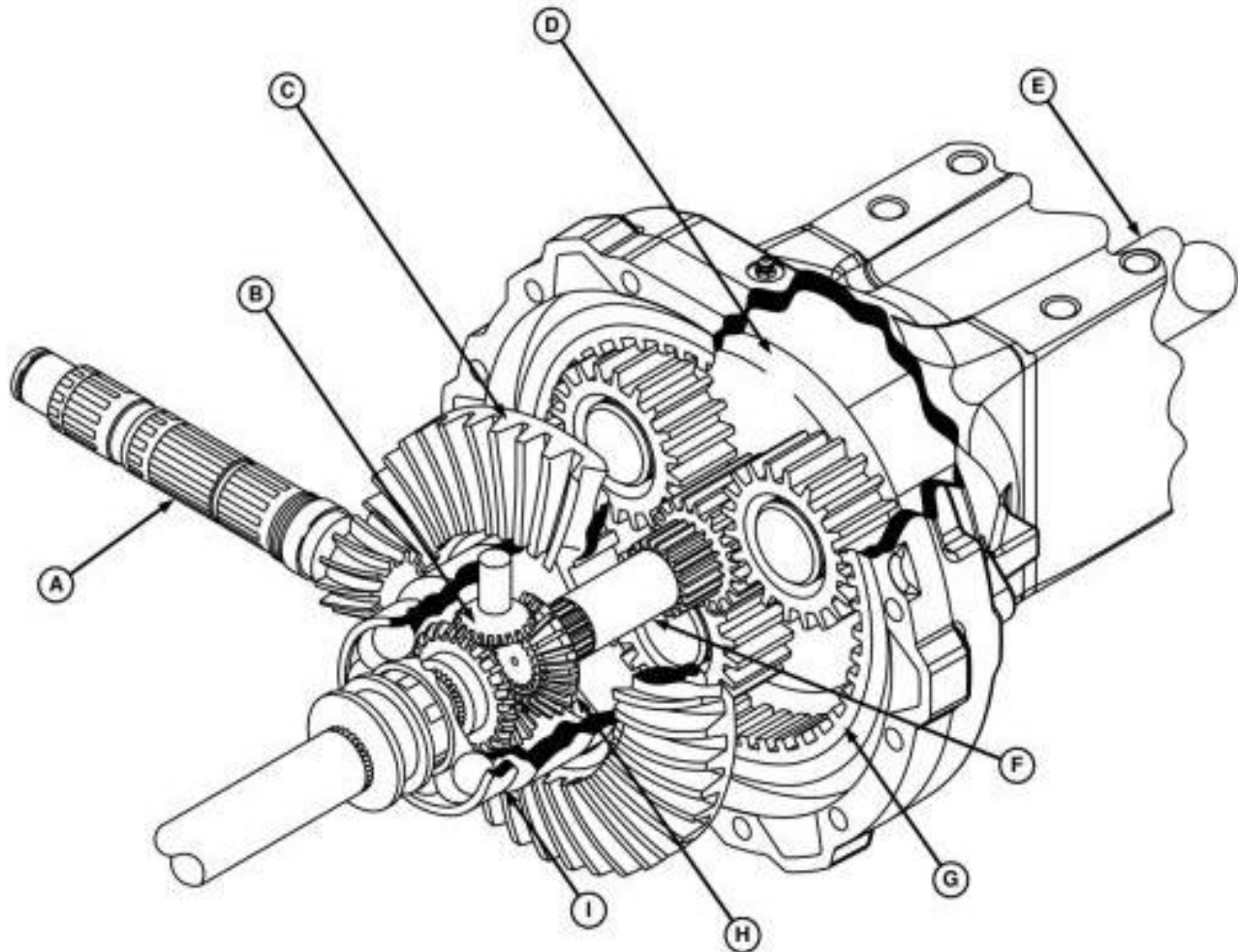
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

Contents:

- General Information
- Specifications
- Serial Number Location
- Engine Specifications
- Engine Diagnostics
- Engine Tests and Adjustments
- Engine Repair
- Power Train
- Transmission
- Axles
- Differential
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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...

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Differential Power Flow



Differential Power Flow

LEGEND:

A	Differential Drive Shaft
B	Bevel Pinion
C	Differential Ring Gear
D	Planetary Carrier Assembly
E	Axle Shaft
F	Final Drive Pinion Shaft
G	Final Drive Ring Gear
H	Bevel Gear
I	Differential Carrier

Power from differential drive shaft (A) is transmitted through the differential assembly to final drive pinion shaft (F). The final drive pinion shaft is in mesh with the three small gears on planetary carrier assembly (D). These small gears walk around the inside of final drive ring gear (G). The result is rotation of axle shaft (E).

The differential assembly is a ring gear (C) bolted to carrier (I). Inside the carrier are two bevel gears (H) and four bevel pinions (B).



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