

# John Deere 744K 4WD Loader (SN.-632967) w.Engines 6090HDW06, 6090HDW08 Service Repair Manual (TM10683)

744K 4WD Loader  
(SN.-632967) with Engines  
6090HDW06 (T3),  
6090HDW08 (S2) Repair



## REPAIR TECHNICAL MANUAL

4WD Loaders models 744K (SN. before 632967)

TM10683 22 FEB 16 (ENGLISH)

### For complete service information also see:

JDLINK (MTG) Technical Manual	TM114519
744K 4WD Loader (SN.-632967) with Engines 6090HDW06 (T3), 6090HDW08 (S2)	TM10682
Alternators and Starting Motors	CTM77
TeamMate II 1200, 1400 and 1600 Planetary Axles	CTM43
PowerTech 9.0L O-Certified Base Engine	
PowerTech 6090 Diesel Engine High Pressure Common Rail	
Super Caddy Oil Cleanup Process	
TeamMate II 1600 Series Inboard Pumps	CTM138719
120 Series Hydraulic Cylinders	CTM120519
185 Series Hydraulic Cylinders	CTM114919
120 Series Hydraulic Cylinders	CTM114319
125 Series Hydraulic Cylinders	CTM109319
COOLANT HEATER SERVICE MANUAL	CTM10090X19
JDLINK/ZXLINK Machine Monitoring System	CTM10006



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John Deere Construction and Forestry  
Printed by Belgroen



Covers: 744K,632967)

**Type:** Service Manual

**Language:** English

**Pages:** 520

**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 744K 4WD Loader (SN.-632967) w.Engines 6090HDW06, 6090HDW08 Service Repair Manual (TM10683)**

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.

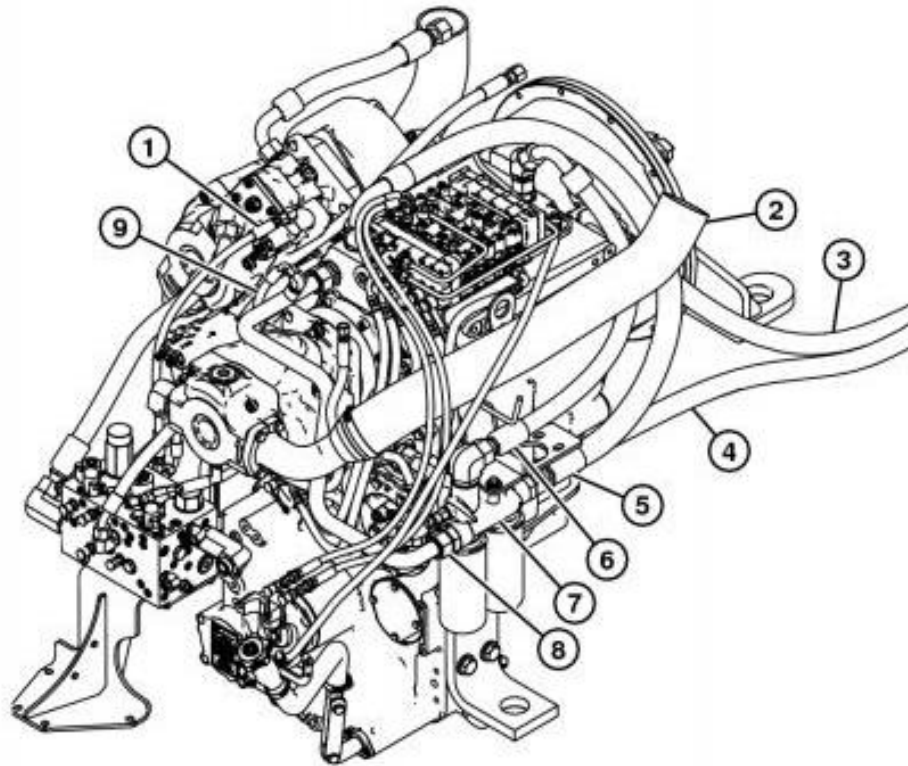
**Contents:**

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

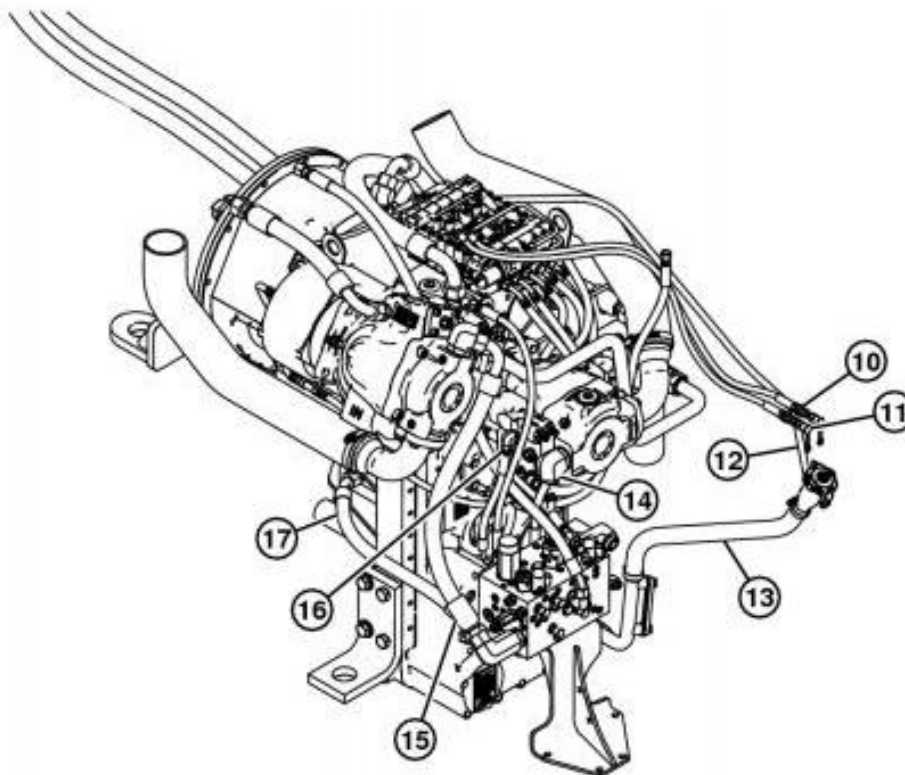
Please note this manual is in **downloadable PDF format only**. If you have any questions about this product or would like to request sample pages, please contact us and reference the product name or SKU.

## Group 0300 - Removal and Installation

### Transmission Remove and Install



TX1049636

*Transmission*

TX1049637

*Transmission***LEGEND:**

- 1 Hydraulic Pump-to-Hydraulic Pump Manifold Load Sense Hose
- 2 Hydraulic Pump Supply Hose
- 3 Transmission Oil Cooler Supply Hose

## Clutch Packs Remove and Install

[1] -



**CAUTION:**

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

**→NOTE:**

When removing high range forward clutch/third speed clutch, lift reverse clutch/second speed clutch slightly and move it in the direction of arrow.



### Clutch Packs

Remove clutch packs using a hoist.

Item	Measurement	Specification
Clutch Pack	Weight--Approximate	25 kg 55 lb

[2] -



### Countershaft Gear

Remove countershaft gear.

[3] -



**LEGEND:**

- K4/K3 High Range Forward Clutch/Third Speed Clutch
- KR/K2 Reverse Clutch/Second Speed Clutch
- KV/K1 Low Range Forward Clutch/First Speed Clutch



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for your reading.  
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to get more information.