




John Deere 644K 4WD Loader (SN. F658218-) Diagnostic, Operation and Test Service Manual (TM13052X19)

326D, 328D and 332D Skid Steer Loader (Manual Controls) Diagnostic



OPERATION AND TEST MANUAL
Manual Controls models 326D, 328D, 332D
TM11430 01 DEC 15 (ENGLISH)

For complete service information also see:

326D, 328D, 329D, 332D and 333D Skid Steer Loader (Manual Controls) Repair	TM11431
Super Caddy Oil Cleanup Procedure	CTM310
120 Series Hydraulic Cylinders	CTM120519
120 Series Hydraulic Cylinders	CTM114319
PowerTech E 2.4L COOLANT HEATER	CTM114319

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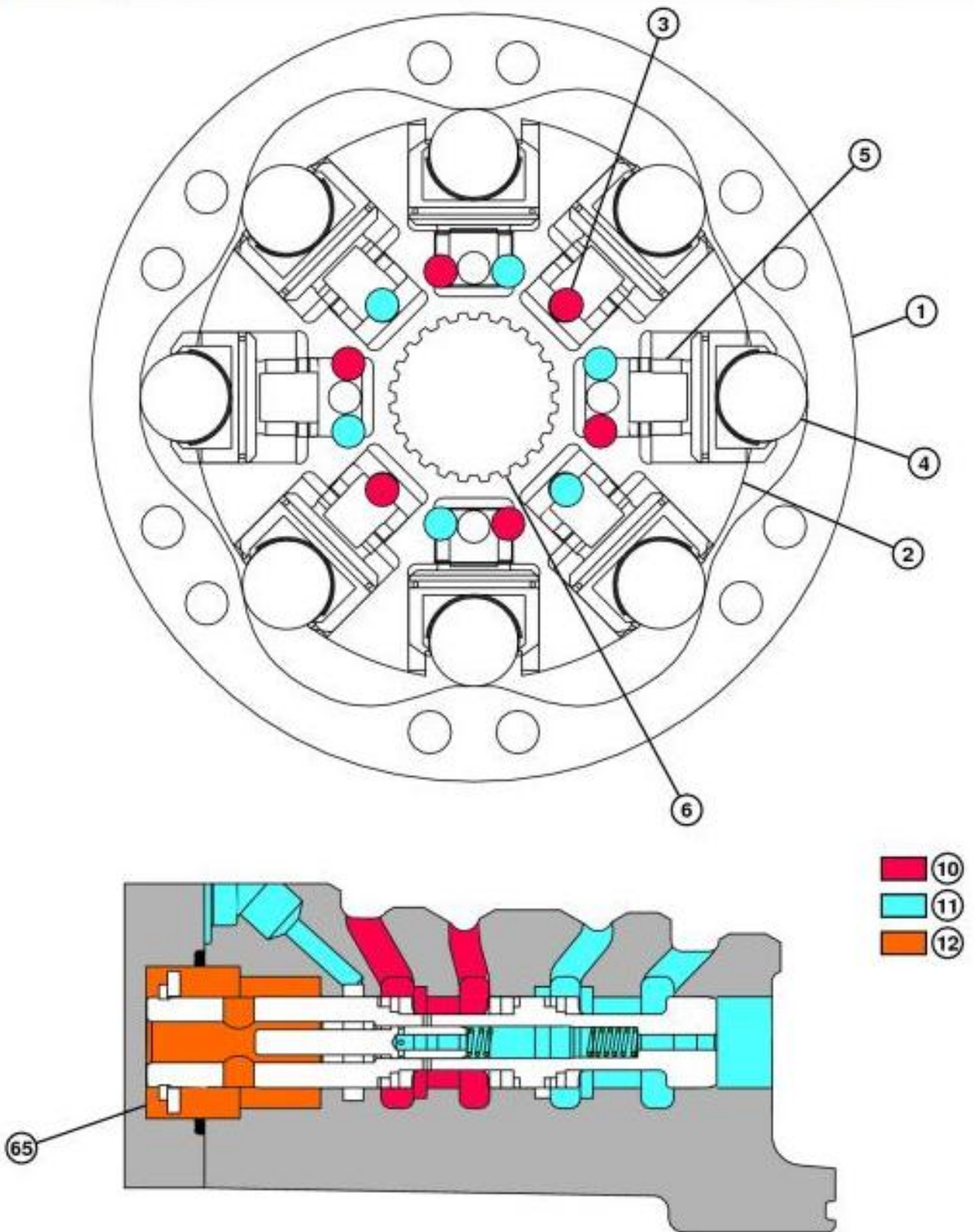
This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere 644K 4WD Loader (SN. F658218-) Diagnostic, Operation and Test Service Manual (TM13052X19)**

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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- Electrical System
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- Operator's Platform
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- 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.



T198446

Single Speed Operation

LEGEND:

- | | |
|---|-----------------|
| 1 | Cam |
| 2 | Carrier |
| 3 | Manifold |
| 4 | Piston Follower |
| 5 | Piston |
| 6 | Output Shaft |

→NOTE:

Due to variations such as tire size, tracking must be verified by driving the machine. If mistracking is more than the width of the machine per 30.5 m (100 ft) of travel, readjustment of the pump adjustment screws is required.

Repeat procedure with the left and right control levers at full reverse position.

Hydraulic Control Handle Adjustment—Hands Only Machine

This procedure ensures that the control handles are centered, giving equal hydraulic oil flow in all positions.

- [1] - Remove front attachment and park machine on flat level surface.
- [2] - Raise operator's station. [See Raising Operator's Station](#). (Operator's Manual.)
- [3] - Remove footwell to access the hydraulic control valve. [See Footwell Removal](#). (Operator's Manual.)
- [4] -

**LEGEND:**

- 1 Right Control Lever
- 2 Left Control Lever

Hydraulic Hand Controls

Move each control lever (1 and 2) all the way down and all the way up. Ensure boom spool locks into float detent.

- [5] - Confirm that when the handles are returned to neutral position, they are in the center of the operating range.
- [6] -

**LEGEND:**

- 3 Control Cable (2 each)
- 4 Control Cable Lock Nut (4 each)

Control Cables and Lock Nuts

If adjustment is needed, locate control cables (3) on hydraulic control valve, loosen control cable lock nuts (4).

- [7] - Adjust control cable lock nuts until handle is centered.
- [8] - Tighten control cable lock nuts finger tight against cable saddle, then tighten to specification.

Item	Measurement	Specification
Hand Control Cable Lock Nut	Torque	27 N·m 240 lb·in.



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for your reading.
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to get more information.