

John Deere 644K Hybrid 4WD Loader with iT4/S3B engine (SN.from E651322) Operators Manual (OMT276750)

644K HYBRID 4WD LOADER
(WITH IT4/S3B ENGINE)



JOHN HARE



COLLECTION

OPERATORS MANUAL

644K Hybrid (PIN: 1DW644K__E651322-)

OMT276750 02 OCT 15 (English)



John Deere Construction and Forestry
Printed by Belgreen



Covers: 644K,1DW644K__,E651322-)

Type: Service Manual

Language: English

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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 644K Hybrid 4WD Loader with IT4/S3B engine (SN.from E651322) Operators Manual (OMT276750)**

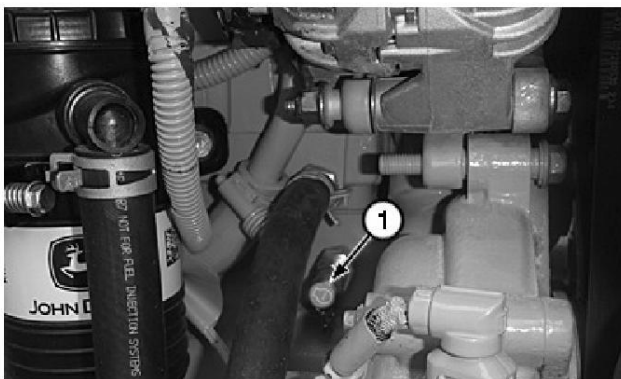
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

Contents:

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

Fluid Sampling Test Ports—If Equipped



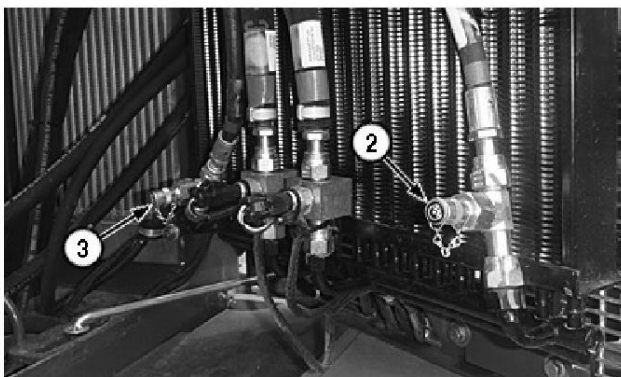
LEGEND:

1 Coolant Test Port

Engine Coolant Sampling Test Port

Engine Coolant Sampling Test Port

On left side of machine, open engine service door and side shield to access the engine coolant test port (1).



LEGEND:

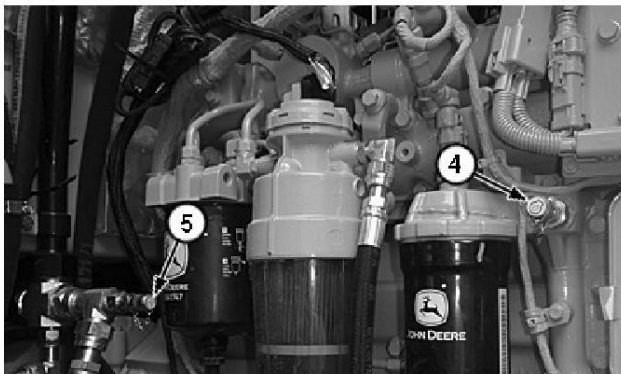
2 Front Axle Oil Test Port

3 Rear Axle Oil Test Port

Front and Rear Axle Oil Sampling Test Ports

Front and Rear Axle Oil Sampling Test Ports—If Equipped

Open right side cooler door. Open left side cooler door to find release lever for rear fan grille door. Open the fan grille door to access front axle oil test port (2) and the rear axle oil test port (3). Green banded hoses identify the front axle and red banded hoses identify the rear axle.



LEGEND:

4 Engine Oil Test Port

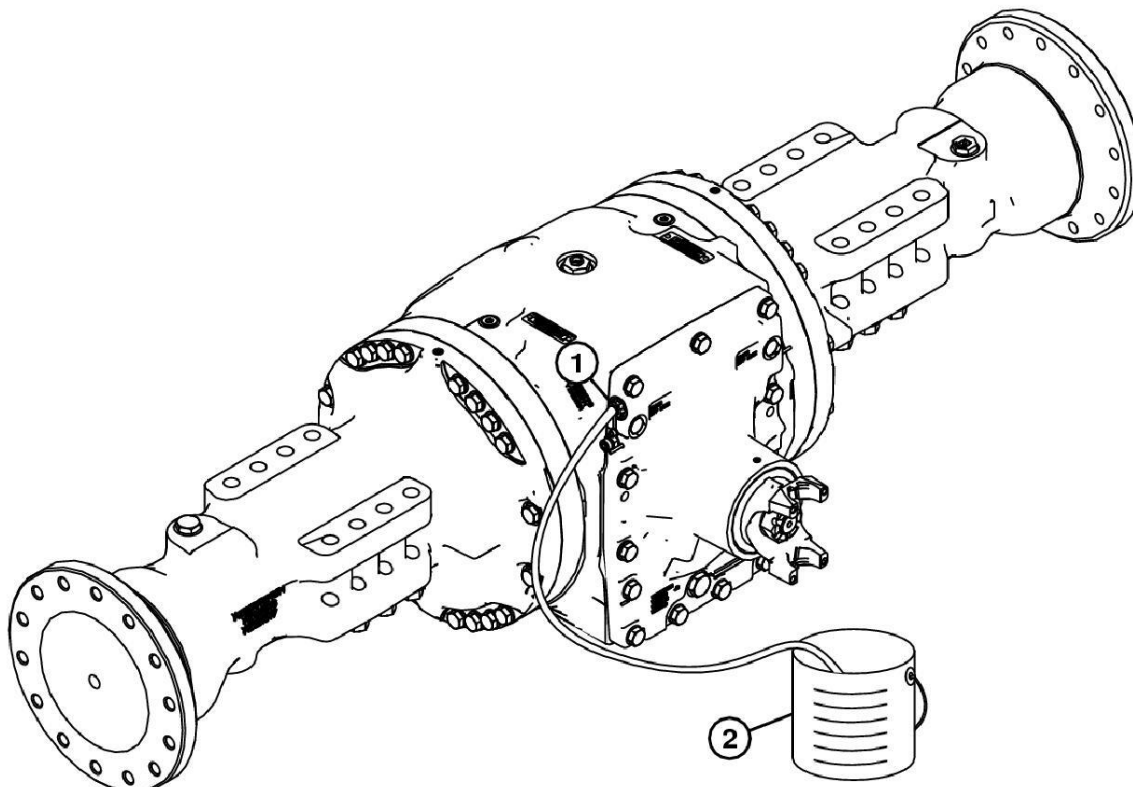
5 Hydraulic Oil Test Port

Engine Oil and Hydraulic Oil Sampling Test Ports

Engine Oil and Hydraulic Oil Sampling Test Ports

On left side of machine, open engine service door and side shield to access engine oil test port (4) and hydraulic oil test port (5).

Bleeding Brakes



TX1062035

Front Axle Shown

LEGEND:

- 1 Bleed Screw (2 used, 1 per axle)
2 Container



CAUTION:

Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.

[1] -



CAUTION:

Prevent possible injury from unexpected machine movement. Install frame locking bar to both frames before working in frame pivot area.

Engage park brake and install frame locking bar. See Frame Locking Bar. (Section 3-2.) Stop engine.

[2] - Remove front and rear axle bottom guards to access both brake bleed screws (1).

[3] - Secure a clear plastic tube on one brake bleed screw with hose clamp and secure other end in a suitable container (2).

[4] -



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