

John Deere 744L 4WD Loader Operation & Test Technical Manual - TM14363X19

744L 4WD Loader Operation and Test

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JOHN HARE



COLLECTION

OPERATION & TEST TECHNICAL MANUAL

744L 4WD Loader

(PIN: 1DW744L___F697293—, 1DW744L___L697293—)

TM14363X19 30NOV19 (ENGLISH)

For complete service information also see:

6090 PowerTech™ OEM Diesel Engines (Final Tier 4/Stage
IV platform)..... ctm117719
744L 4WD Loader Repair..... TM14363X19
PowerTech 6068 OEM Diesel Engines (Final Tier 4/Stage
platform) Level 33 ECU.....
TEAMMATE V 1600 Axles.....
Hydraulic Cylinders.....
JDLink™ 2G / 3G MTG Technical Manual



Worldwide Construction and
Forestry Division

Covers: 744L,1DW744L___F697293,1DW744L___L697293

Type: Service Manual

Language: English

Pages: 1440

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 744L 4WD Loader Operation & Test Technical Manual - TM14363X19**

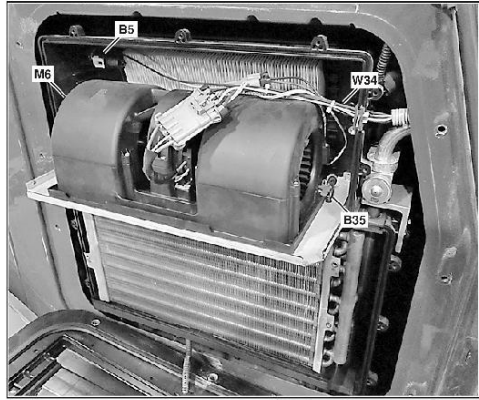
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

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.

Heater and Air Conditioner Harness (W34) Component Location



TX1279944

TX1279944-UN: Heat and Air Conditioning Harness (W34) Component Location

LEGEND:

A26-Heater and Air Conditioner Module
B5-Blower Inlet Temperature Sensor

B35-Air Conditioner Freeze Control Switch
M6-Blower Motor

W34-Heater and Air Conditioner Harness

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2. TX1024510A-UN: Remove Lid of Sample Bottle (in plastic bag)
Remove the lid from the sample container, while keeping bottle inside plastic bag. Move the lid aside within the plastic bag, so that the bottle opening is accessible.

When collecting hydraulic or power train oil samples, be careful to hold the sheet of plastic (located under the lid) to the top of the bottle. This ensures that the protective plastic is not removed when the lid is taken off.

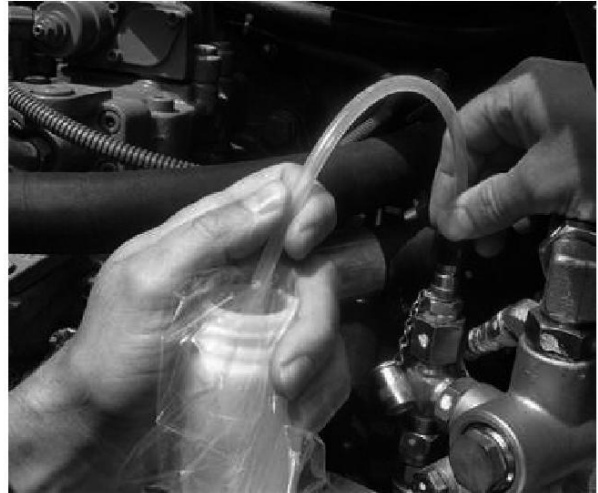
3. NOTE:

The plastic bag creates a protective covering for the sample so that external contaminants are not introduced into the fluid sample.

Holding bag tight across bottle, puncture hole in bag with cap probe line and insert line about 13 mm (0.5 in) into the sample bottle.



TX1024514A-UN: Puncture Plastic Bag With Cap Probe Line



4. TX1024515A-UN: Collect Sample Fluid (excavator shown)
While holding cap probe line inside the bottle, press and hold the cap probe to the valve to release the sample fluid into the bottle that is still secured within the plastic bag.

5. Fill the sample bottle about 3/4 full of fluid.

Item	Measurement	Specification
Fluid Sample	Volume (approximate)	75 mL 2.5 oz

6. After a representative sample is obtained, remove the tube and return the lid to the container. Leave the lid and bottle inside the plastic bag and the protective sheet attached underneath the lid (if applicable).

When properly performed, sample oil is warm, indicating that all stagnant fluid was removed during the purge process and not sent to the lab.

7. NOTE:

Cap probes are to be used for only one sampling procedure.

Install the dust cap to the sample valve, and properly dispose of the cap probe.

8. Fill out the sample information form completely, and submit the form and sample to the designated regional lab for testing.

Fluid Analysis Sampling Materials Summary	
Part Number	Description
AT317904	Engine Test Kit
AT303189	Hydraulic and Power Train Test Kit
AT180344	Diesel Fuel Test Kit
AT183016	Coolant Test Kit
TY26349	6 mm (0.25 in) Suction Pump Tubing, 30 m (100 ft)
AT308579	120 mL (4 oz) Sample Bottle
AT315231	Poly Cap Probe
AT321211	Probe Style Sample Valve with Attached Cap, -4 SAE O-ring
AT306111	Probe Style Sample Valve with Attached Cap, -6 SAE O-ring
TY26363	Probe Style Sample Valve with Attached Cap, 1/4-20 NPT
AT306133	Probe Style Sample Valve with Attached Cap, 1/8-27 NPT
AT320593	Probe Style Sample Valve with Attached Cap, -6 ORFS Female
AT312932	Probe Style Sample Valve with Attached Cap, -8 ORFS Female
TY26364	90° Push-Button Sample Valve with attached Cap, 1/8-27 NPT



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for your reading.
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to get more information.