

# John Deere 8320RT, 8345RT, 8370RT Tractors (SN.917000-920000) Diagnostic Technical Manual (TM146619)

**76F, 85F and 100F  
Tractors**

**TECHNICAL MANUAL**

**Tractor models 100F, 76F, 85F**

**TM103319 06NOV09 (ENGLISH)**



John Deere Agriculture

**Covers:** 8320RT,8345RT,8370RT

**Type:** Service Manual

**Language:** English

**Pages:** 4703

**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 8320RT, 8345RT, 8370RT Tractors (SN.917000-920000) Diagnostic Technical Manual (TM146619)**

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.

## Group 10 - Wheels

### Summary of References—Wheels

[Tighten Bolts—Front Axle](#)

[Tighten Bolts—Rear Axle](#)

### Specifications

Item	Measurement	Specification
Front Wheel Disk-to-Hub Bolts	Torque	167 N.m (124 lb-ft)
Rear Axle Disk-to-Flange	Torque	245 N·m (180 lb-ft)

### Tighten Bolts—Front Axle



FH6257

#### LEGEND:

- A Front Wheel Rim-to-Disk Nut (4 used)
- B Front Wheel Disk-to-Hub Bolt (6 used)

#### Tighten Bolt

Tighten hardware in the following locations to specification:

Item	Measurement	Specification
Front Wheel Disk-to-Hub Bolts	Torque	167 N.m (124 lb-ft)

### Tighten Bolts—Rear Axle



FH6258

#### LEGEND:

- A Rim-To-Disk Bolt (6 used)
- B Disk-To-Flange Bolt (8 used)

#### Steel Disk

Tighten bolts in the following locations to specifications:

Item	Measurement	Specification
Rear Axle Disk-to-Flange	Torque	245 N·m (180 lb-ft)



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for your reading.  
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to get more information.