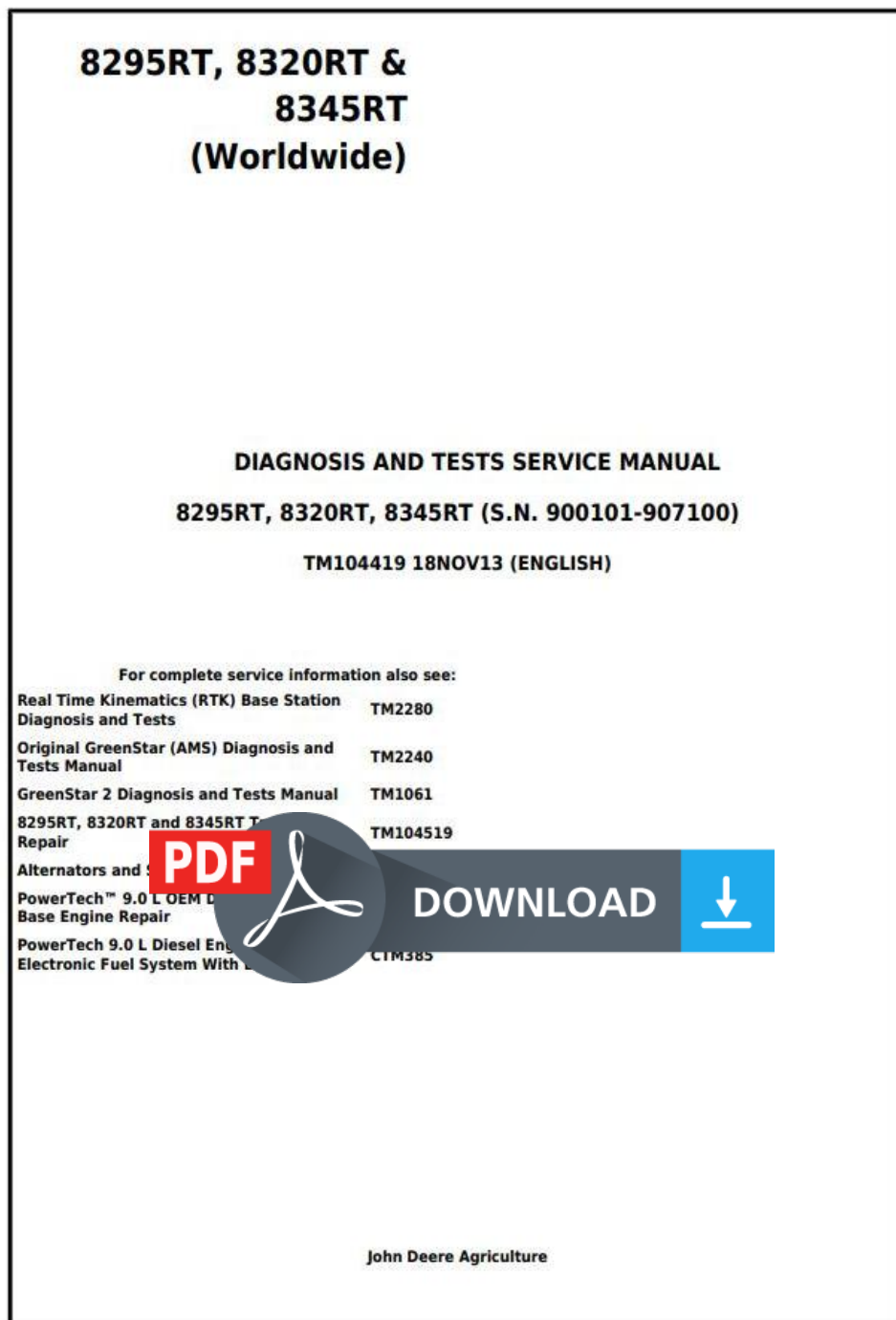


# John Deere 8295RT, 8320RT, 8345RT (Worldwide) Tractors Diagnosis and Tests Service Manual (TM104419)



**Covers:** 900101-,907100);,8295RT,8320RT,8345RT

**Type:** Service Manual

**Language:** English

**Pages:** 3412

**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 8295RT, 8320RT, 8345RT (Worldwide) Tractors Diagnosis and Tests Service Manual (TM104419)**

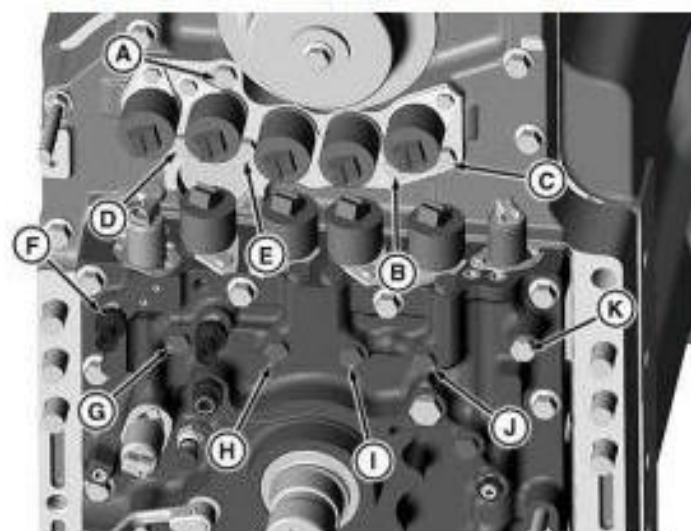
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

**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.

## Install Test Equipment 50—7



### LEGEND:

A	C1 test port
B	C3 test port
C	C4 test port
D	CR test port
E	C2 test port
F	Park brake test port
G	AB test port
H	BC test port
I	CC test port
J	DC test port
K	MFWD test port

**PST element test ports**

### →NOTE:

#### Required tools:

1. [JT07119](#) — 1.5 m (5 ft) test hose
2. [JT07041](#) — 0-2800 kPa (0-28 bar) (0-400 psi) hydraulic pressure gauge
3. [JT07042](#) — 0-4000 kPa (0-40 bar) (0-600 psi) hydraulic pressure gauge
4. [RE190805](#) — Diagnostic receptacle (14 mm)
5. [JT05452](#) — PowerShift (agricultural) transmission test kit
6. [RE163656](#) — Oil pressure sensor 0-2700 kPa (0-27 bar) (0-390 psi)
7. [JDG1753](#) — Service jumper harness kit

1. Attach a [JT07041](#) 0-2800 kPa (0-28 bar) (0-400 psi) pressure gauge and [JT07119](#) 1.5 m (5 ft) hose to PS port on the SCV stack.
2. Connect [JT05452](#) — PowerShift (agricultural) transmission test kit to clutch pressure test ports. Also connect [JT07041](#) — 0-2,800 kPa (0-28 bar) (0-400 psi) hydraulic pressure gauge and [JT07042](#) — 0-4000 kPa (0-40 bar) (0-600 psi) hydraulic pressure gauge to the clutch test ports with [RE190805](#) — Diagnostic receptacle (14 mm) and [JT07119](#) — 1.5 m (5 ft) test hoses.
3. If using diagnostic pressure display in Address 39 or in address 20 to monitor transmission system pressure: Enter Address 38 — Select diagnostic pressure sensor type and select option 3 to use with [RE163656](#) — Oil pressure sensor 0-2700 kPa (0-27 bar) (0-390 psi). A [JDG1753](#) — Service jumper harness kit may be need to make connection.
  - Remove (AB, BC, CC, DC, C1, C2, C3, C4 and CR) test ports.
  - Install [JT05452](#) — PowerShift (agricultural) transmission test kit to (AB, BC, CC and DC) test ports, hook the remaining three gauge lines to three of the remaining (C1, C2, C3, C4 and CR) test ports.
  - Install [RE190805](#) — Diagnostic receptacle (14 mm) in remaining two ports. Attach [JT07119](#) — 1.5 m (5 ft) test hose to the test port; attach [JT07042](#) — 0-4000 kPa (0-40 bar) (0-600 psi) hydraulic pressure gauge and a [JT07041](#) — 0-2,800 kPa (0-28 bar) (0-400 psi) hydraulic pressure gauge to the hoses.



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