John Deere R4040i Demountable Self-Propelled Crop Sprayer Diagnostic&Tests Service Manual (TM407519)

8295RT, 8320RT &
8345RT
(Worldwide)

DIAGNOSIS AND TESTS SERVICE MANUAL

8295RT, 8320RT, 8345RT (S.N. 900101-907100)

TM104419 18NOV13 (ENGLISH)

For complete service information also see:

Real Time Kinematics (RTK) Base Station Diagnosis and Tests	TM2280
Original GreenStar (AMS) Diagnosis and Tests Manual	TM2240
GreenStar 2 Diagnosis and Tests Manual	TM1061
8295RT, 8320RT and 8345RT T.... Repair	TM104519
Alternators and S....	
PowerTech™ 9.0 L OEM D.... Base Engine Repair	
PowerTech 9.0 L Diesel Eng.... Electronic Fuel System With	CTM385

John Deere Agriculture

Covers: R4040i

Type: Service Manual

Language: English

Pages: 2013

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 R4040i Demountable Self-Propelled Crop Sprayer Diagnostic&Tests Service Manual (TM407519)**
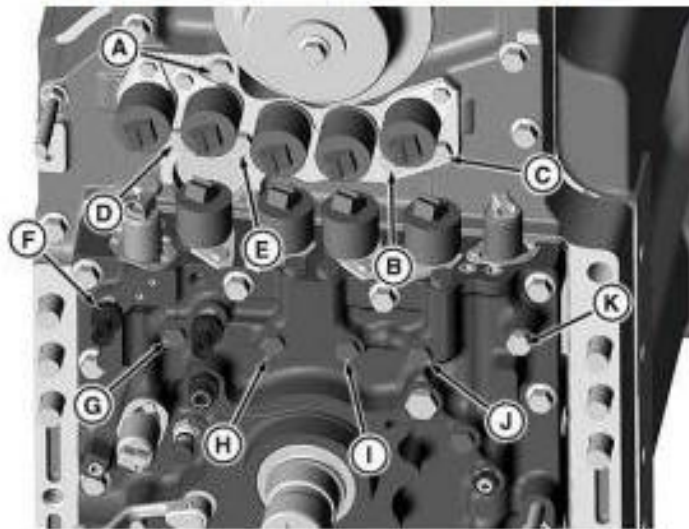
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

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.