

# John Deere V451R and V461R Round Baler Diagnostic Technical Manual (TM301919)

V451R and V461R Round  
Baler Diagnostics



JOHN HARE



COLLECTION

DIAGNOSTIC TECHNICAL MANUAL  
V451R and V461R Round Baler

TM301919 01DEC18 (ENGLISH)

For complete service information also see:

V451R and V461R Round Baler Repair..... TM302019



John Deere Arc-les-Gray

**Covers:** V451R,V461R

**Type:** Service Manual

**Language:** English

**Pages:** 407

**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 V451R and V461R Round Baler Diagnostic Technical Manual (TM301919)**

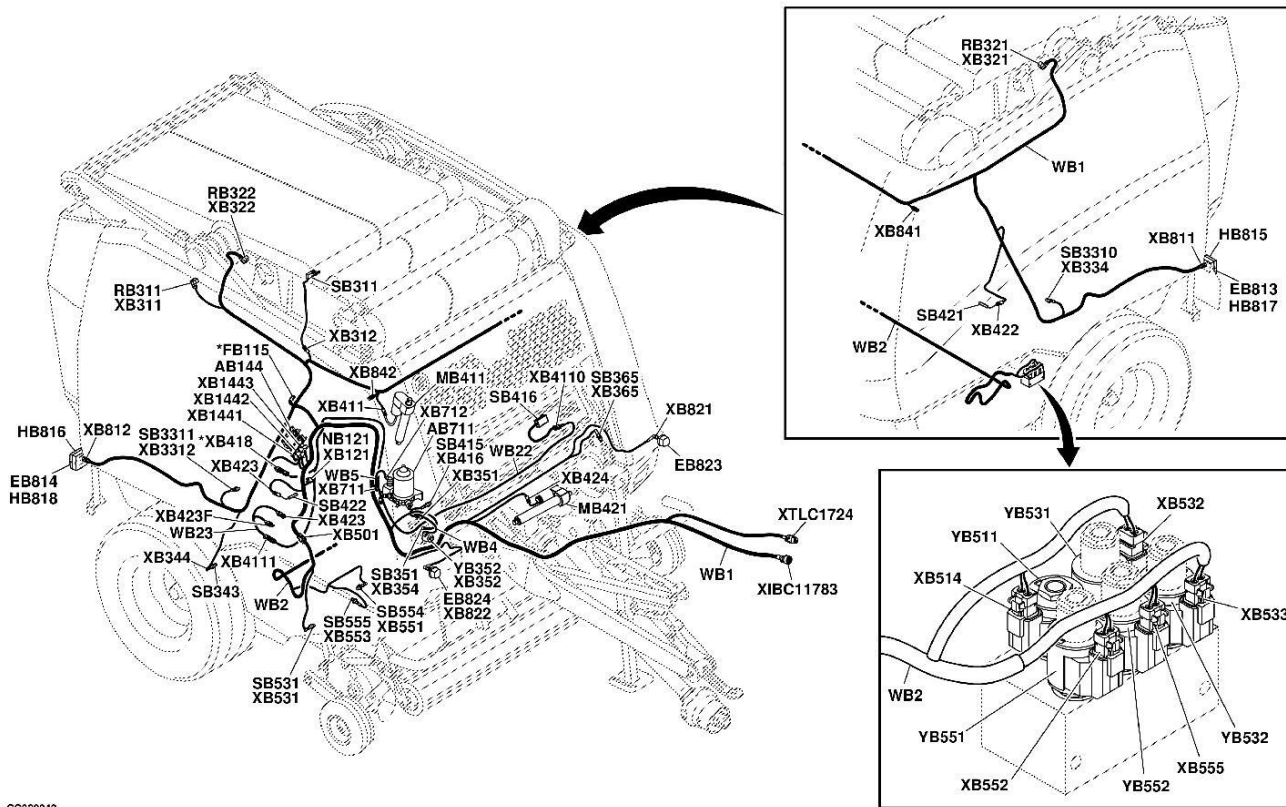
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

**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.

Baler Electrical Component Location



CC320043

CC320043-UN: Component Location Overview

LEGEND:

**AB144-AB144 - Electronic Control Unit**  
**AB711-AB711 - Automatic Greasing Actuator**  
**EB813-EB813 - Left Tail Light**  
**EB814-EB814 - Right Tail Light**  
**EB823-EB823 - Left Clearance Light**  
**EB824-EB824 - Right Clearance Light**  
**FB115-FB115 - Fuse (10A)**  
**HB815-HB815 - Left Turn Light**  
**HB816-HB816 - Right Turn Light**  
**HB817-HB817 - Left Brake Light**  
**HB818-HB818 - Right Brake Light**  
**MB411-MB411 - Net Actuator**  
**MB421-MB421 - Twine Actuator**  
**NB121-NB121 - CAN Bus Terminating Resistor**  
**RB311-RB311 - Bale Diameter Potentiometer**  
**RB321-RB321 - Left Bale Shape Potentiometer**  
**RB322-RB322 - Right Bale Shape Potentiometer**  
**SB311-SB311 - Bale Oversize Switch**  
**SB3310-SB3310 - Left Gate Latch Sensor**  
**SB3311-SB3311 - Right Gate Latch Sensor**  
**SB351-SB351 - Density Pressure Sensor**  
**SB416-SB416 - B-Wrap Sensor**  
**SB421-SB421 - Left Twine Pulley 1 Sensor**  
**SB422-SB422 - Right Twine Pulley 2 Sensor**  
**SB533-SB533 - Drop Floor Sensor**  
**SB554-SB554 - Sensor for Precutter Knife Set 1**  
**SB555-SB555 - Sensor for Precutter Knife Set 2**  
**XB121-(WB1)XB121F - 6-Terminal Plug for CAN Bus Terminating Resistor**  
**XB121-XB121M - 6-Terminal Plug for CAN Bus Terminating Resistor**  
**XB1441-(WB1)XB1441F - 32-Terminal Plug 1 for Control Unit**  
**XB1441-XB1441M - 32-Terminal Plug 1 for Control Unit**  
**XB1442-(WB1)XB1442F - 48-Terminal Plug 2 for Control Unit**

**XB1442-XB1442M - 48-Terminal Plug 2 for Control Unit**  
**XB1443-(WB1)XB1443F - 32-Terminal Plug 3 for Control Unit**  
**XB1443-XB1443M - 32-Terminal Plug 3 for Control Unit**  
**XB311-XB311F - 3-Terminal Plug for Bale Diameter Potentiometer**  
**XB311-(WB1)XB311M - 3-Terminal Plug for Bale Diameter Potentiometer**  
**XB312-(WB1)XB312F - 2-Terminal Plug for Bale Oversize Switch**  
**XB312-XB312M - 2-Terminal Plug for Bale Oversize Switch**  
**XB321-XB321F - 3-Terminal Plug for Left Bale Shape Potentiometer**  
**XB321-(WB1)XB321M - 3-Terminal Plug for Left Bale Shape Potentiometer**  
**XB322-XB322F - 3-Terminal Plug for Right Bale Shape Potentiometer**  
**XB322-(WB1)XB322M - 3-Terminal Plug for Right Bale Shape Potentiometer**  
**XB351-(WB1)XB351F - 2-Terminal Plug for Proportional Density**  
**XB351-(WB4)XB351MB - 2-Terminal Plug for Proportional Density Wiring Harness**  
**XB352-(WB4)XB352F - 2-Terminal Plug for Proportional Density Solenoid**  
**XB352-XB352M - 2-Terminal Plug for Proportional Density Solenoid**  
**XB354-(WB1)XB354F - 3-Terminal Plug for Pressure Sensor**  
**XB354-XB354M - 3-Terminal Plug for Pressure Sensor**  
**XB365-(WB1)XB365F - 3-terminal Plug for Baler Rotation Speed Sensor**  
**XB365-XB365M - 3-terminal Plug for Baler Rotation Speed Sensor**  
**XB418-XB418F - 2-terminal Plug for B-Wrap Wiring Harness**  
**XB418-(WB22)XB418M - 2-terminal Plug for B-Wrap Wiring Harness**

**XB4110-XB4110F - 3-terminal Plug for B-Wrap Sensor**  
**XB4110-(WB22)XB4110M - 3-terminal Plug for B-Wrap Sensor**  
**XB4111-(WB23)XB4111F - 2-terminal Plug for B-Wrap Jumper Wiring Harness**  
**XB4111-(WB22)XB4111M - 2-terminal Plug for B-Wrap Jumper Wiring Harness**  
**XB422-XB422F - 2-Terminal Plug for Left Twine Pulley 1 Sensor**  
**XB422-(WB1)XB422M - 2-Terminal Plug for Left Twine Pulley 1 Sensor**  
**XB423-XB423F - 2-Terminal Plug for Right Twine Pulley 2 Sensor**  
**XB423-(WB23)XB423FA - 2-Terminal Plug for Right Twine Pulley 2 Sensor**  
**XB423-(WB1)XB423M - 2-Terminal Plug for Right Twine Pulley 2 Sensor**  
**XB423-(WB23)XB423MA - 2-Terminal Plug for Right Twine Pulley 2 Sensor**  
**XB424-XB424F - 2-Terminal Plug for Twine Actuator**  
**XB424-(WB1)XB424M - 2-Terminal Plug for Twine Actuator**  
**XB501-(WB2)XB501FA - 12-Terminal Plug for Precutter Wiring Harness**  
**XB501-(WB3)XB501FB - 12-Terminal Plug for RotoFlow Wiring Harness**  
**XB501-(WB1)XB501M - 12-Terminal Plug for Pickup Wiring Harness**  
**XB514-(WB2)XB514FA - 2-Terminal Plug for Pickup Lift Solenoid**  
**XB514-(WB3)XB514FB - 2-Terminal Plug for Pickup Lift Solenoid**  
**XB514-XB514M - 2-Terminal Plug for Pickup Lift Solenoid**  
**XB531-(WB2)XB531FA - 4-Terminal Plug for Drop Floor Sensor**  
**XB531-(WB3)XB531FB - 4-Terminal Plug for Drop Floor Sensor**  
**XB531-XB531M - 4-Terminal Plug for Drop Floor Sensor**



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