

John Deere C451R and C461R Wrapping Balers Diagnostic Technical Service Manual (TM302319)

C451R and C461R Wrapping Balers Diagnostic Technical Manual



JOHN HARE



COLLECTION

DIAGNOSTIC TECHNICAL MANUAL C451R and C461R Wrapping Balers

TM302319 01DEC18 (ENGLISH)

For complete service information also see:

C451R and C461R Wrapping Balers Repair..... TM302419



John Deere Arc-les-Gray

Covers: C451R,C461R

Type: Service Manual

Language: English

Pages: 602

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 C451R and C461R Wrapping Balers Diagnostic Technical Service Manual (TM302319)**

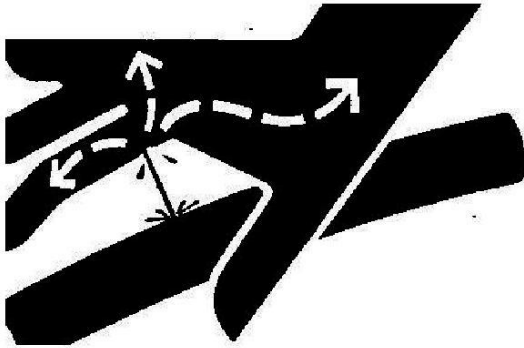
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

Contents:

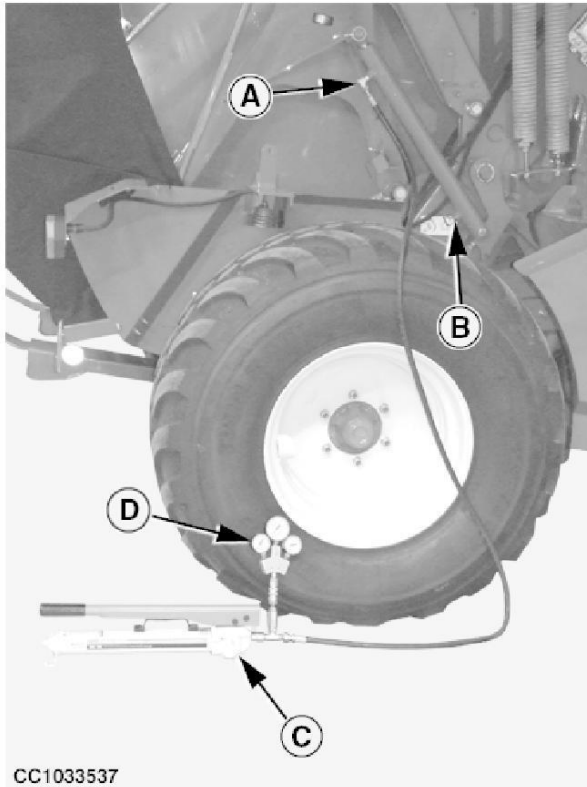
- General Information
- Specifications
- Serial Number Location
- Engine Specifications
- Engine Diagnostics
- Engine Tests and Adjustments
- Engine Repair
- Power Train
- Transmission
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- PTO
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- Operator's Platform
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- 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.

Check Gate Cylinder for Leakage



X9811-UN: High-Pressure Fluids



CC1033537

CC1033537-UN: Install Pump

LEGEND:

A-Rod End Port
B-Piston End Port
C-D01019AA Hand-Operated Pump
D-JT07117 Pressure Gauge

1. Warm up hydraulic oil to approximately 45 °C (120 °F), to use the gate.
Stop the engine.
2. Close gate fully.
Move SCV in every position to release hydraulic pressure.



CAUTION:

Make sure gate is completely closed before disconnecting hoses from the hydraulic cylinders. If the gate hydraulic hoses are disconnected when the gate is open, the system will depressurize, causing the gate to close suddenly.

3. Disconnect hoses at ports (A) and (B) of hydraulic cylinders. Connect hand-operated pump (C) and a 25000 kPa (250 bar; 3626 psi) pressure gauge (D) to rod end port (A) of hydraulic cylinders.

NOTE:

There may be an initial surge of oil out the open ports.

4. Increase the pressure in the circuit up to 21000 kPa (210 bar; 3045 psi) with the hand-operated pump. Observe leakage from open port, which should be:

Item	Measurement	Specification
Hydraulic Cylinder	Maximum Permitted Leakage	Oil 2 drops per minute under 21000 kPa (210 bar, 3045 psi)

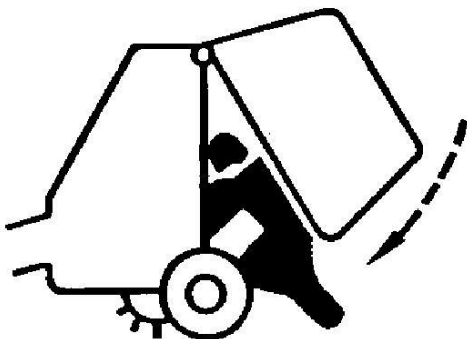
Carry out the test repeatedly to obtain accurate figures.

Leakage exceeds 2 drops per minute: Repair cylinder. See Remove and Install Gate Cylinder in Section 70 of the relevant Repair Manual.

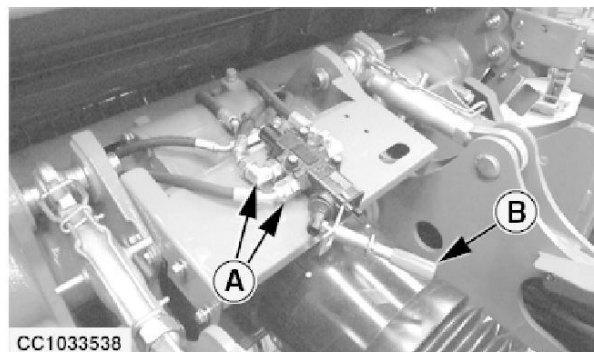
Leakage is less than 2 drops per minute: OK.

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Check Gate Lock Valve for Leakage



TS698-UN: Caution with Gate



CC1033538

CC1033538-UN: Gate Lock Valve

LEGEND:

A-Hose
B-Gate Lock Valve Lever



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