John Deere 310L Backhoe Loader (SN: F273920-) Service Repair Technical Manual (TM13294X19)

Covers: 310L,1T0310LX**F273920-)

Type: Service Manual
Language: English
Pages: 748
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 310L Backhoe Loader (SN: F273920-) Service Repair Technical Manual (TM13294X19)**

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
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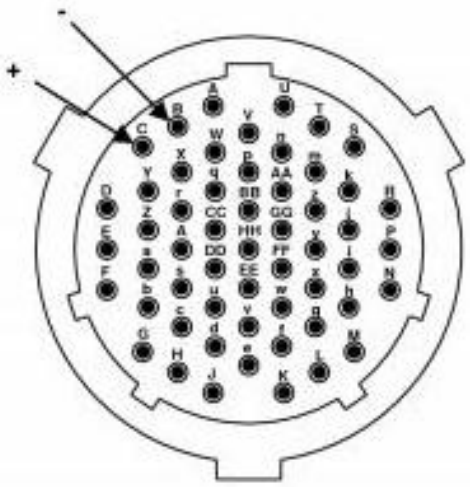
- Body Panels
- Disassembly and Assembly
- Diagnostics, Tests and Adjustments
- Troubleshooting
- and much more...

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.

Diagnostic Trouble Code (DTC)—111

Diagnostic Trouble Code (DTC)-111
Transmission Control Unit (TCU)
Input Voltage Less Than 24V



Connector X32 (55-pin)

1) TCU Input Voltage Check

Disconnect X32 (55-pin) connector from the TCU.

Start engine.

Move park lock lever and park brake switch to operating position.

Measure voltage on pin-C (+) and pin-B (-) on the harness side of connector X32.

This voltage should be 21--27 volts DC.

Is the measured voltage within specification?

Yes-GO TO 4. | No-GO TO 2.

2) Circuit Check

Check battery conidtion and voltage.

Check alternator voltage output and belt tension.

Were any repairs made?

Yes-GO TO 1. | No-GO TO 3.

3) Wire Harness Check

Check the wire harness for opens and short circuits. Also check for chafing or corrosion on harness and inspect connector bodies, pins, and sockets.

Repair or replace wire harness problems.

Was the wire harness repaired or replaced?

Yes-GO TO 4.

4) Operational Check

Connect to TCU using JDG9812435 Diagnostic Trouble Code Software Kit and clear codes. Operate machine under normal conditions to verify no further codes are active and problem is fixed.

T212596

DTC 111—Transmission Control Unit (TCU) Input Voltage Too Low (<24V)