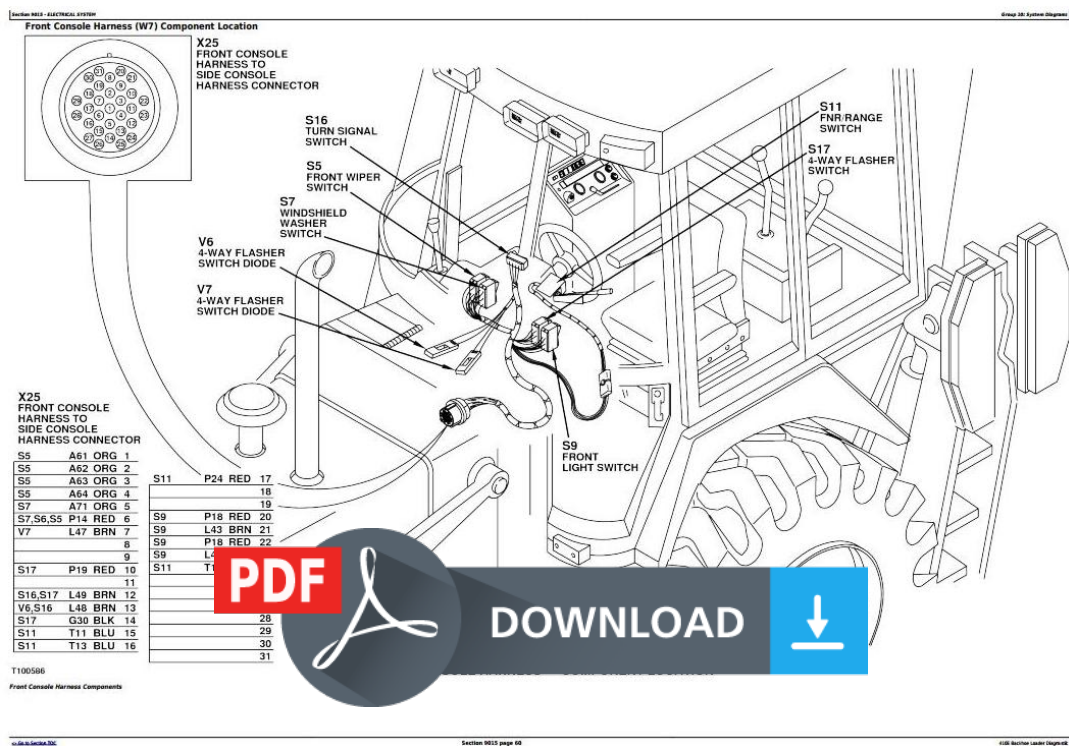


# John Deere 410E Backhoe Loader Diagnostic, Operation and Test Service Manual (tm1610)



**Type:** Service Manual

**Language:** English

**Pages:** 620

**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 410E Backhoe Loader Diagnostic, Operation and Test Service Manual (tm1610)**

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
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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.

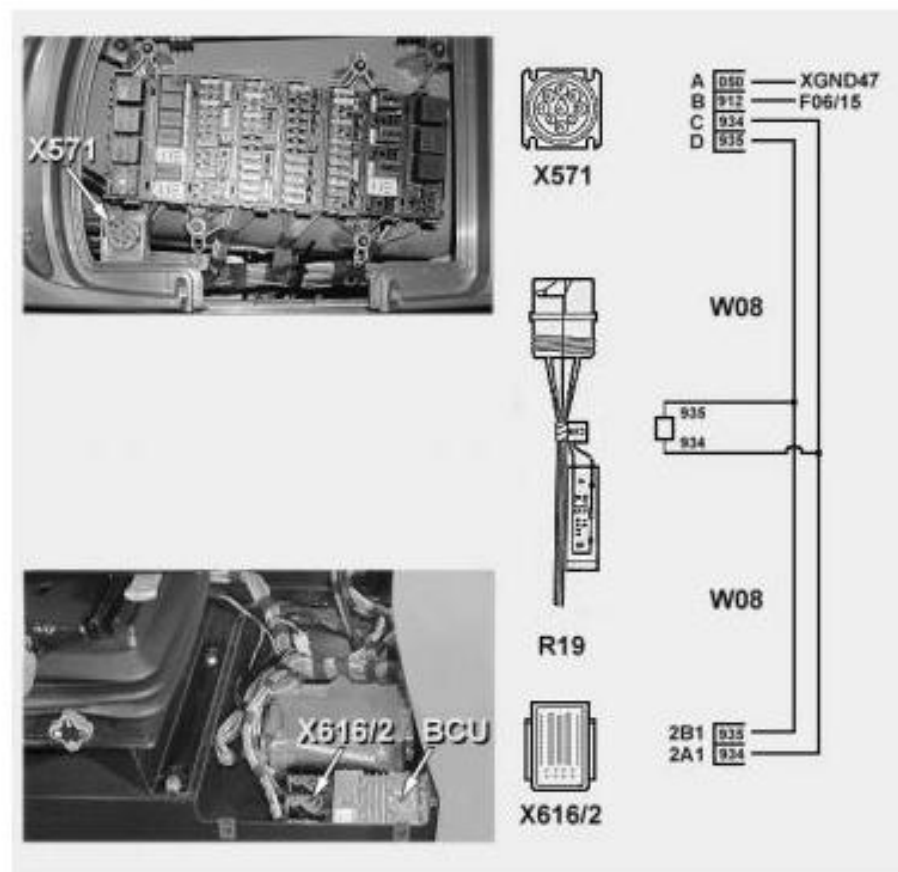
## 29-bit CAN BUS - Check (tractors with PowrQuad transmission)

### General information:

Data transfer at the 29-bit CAN BUS takes place via the communication lines CAN+ (lead 934) and CAN- (lead 935). These lines are twisted together to reduce electro-magnetic interference.

Power supply to communication leads 934 and 935 is via the basic control unit BCU (fuse F04/8).

At the end of the CAN BUS communication lines (close to the 9-pin service plug X571) is an 120-ohm terminating resistor (R19). This terminating resistor is required to reduce faults in the communication lines.



### Layout of leads for 29-bit CAN BUS on tractors with PowrQuad transmission

#### LEGEND:

X571	9-pin service plug (CAN BUS)
X616/2	48-pin plug for basic control unit (BCU)
R19	120-ohm terminating resistor
W08	Cab wiring harness
F06/15	Fuse
XGND47	Ground point on cab wiring harness

## Checking the circuit

### 1 Check the 29-bit CAN BUS voltage

#### Action:

1. Ignition ON.
2. Use multimeter [JT05791A](#) to check the voltage at service plug X571:

Item	Measurement	Specification
<b>29-bit CAN BUS voltage (service plug X571)</b>		
CAN+, between pin C (lead 934) and pin A (lead 050):	Voltage	2.5 - 3.1 volts
CAN-, between pin D (lead 935) and pin A (lead 050):	Voltage	1.9 - 2.5 volts



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