

# John Deere 2454D Processor Diagnostic, Operation and Test Service Manual (TM10329)



Covers: 2454D

**Type:** Service Manual

**Language:** English

**Pages:** 759

**Format:** PDF

**Features:** Bookmarked, searchable, printable

**Compatibility:** Windows/Mac/Tablet/Mobile

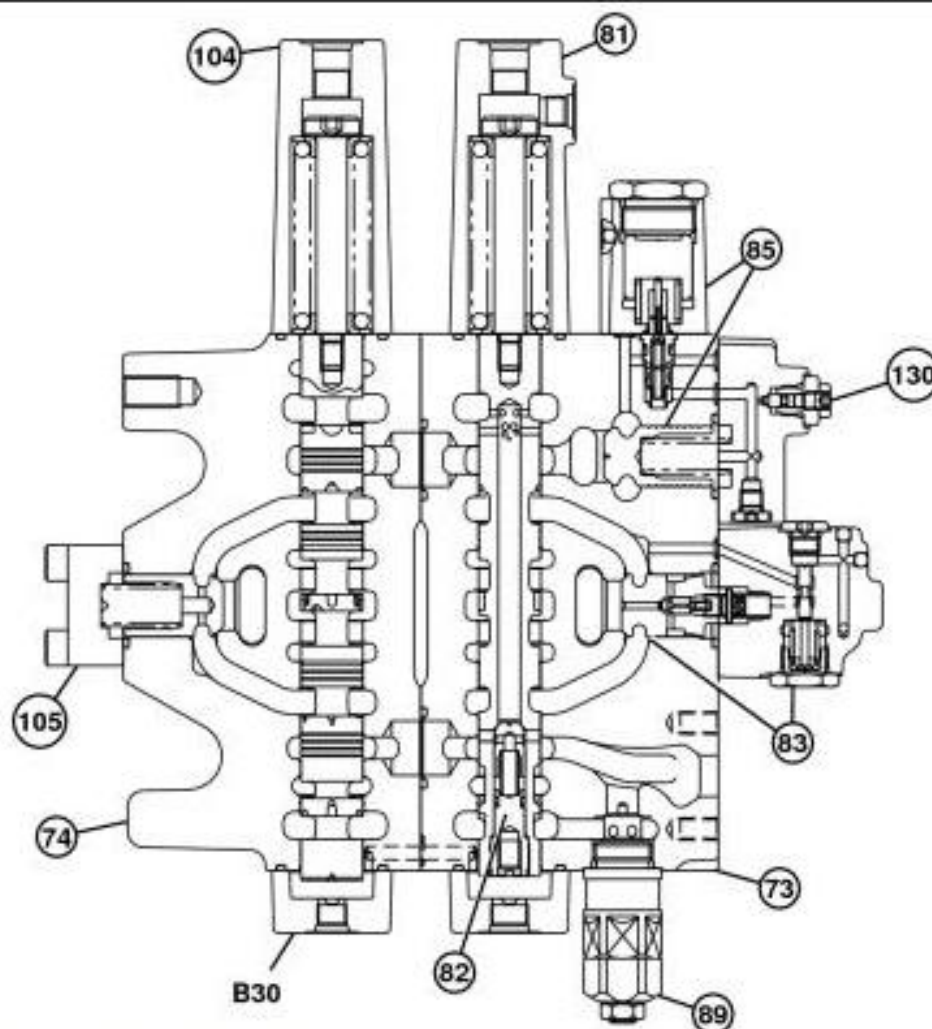
This service manual contains important information for the maintenance, troubleshooting and servicing of the **John Deere 2454D Processor Diagnostic, Operation and Test Service Manual (TM10329)**

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.



TX1012164

**Boom 2 and Boom 1 Valve Cross Section From Rear****LEGEND:**

73	Right Control Valve (4-Spool)
74	Left Control Valve (5-Spool)
81	Boom 1 Spool
82	Boom Regenerative Valve
83	Boom Flow Rate Control Valve (switch valve and poppet)
85	Boom Reduced Leakage Valve (switch valve and check valve)
89	Boom Down Circuit Relief and Anticavitation Valve
104	Boom 2 Spool
105	Check Valve (lift check)—Boom 2 Power Circuit
130	Manual Boom Lower Screw
B30	Boom Up Pressure Sensor

[See Boom Regenerative Valve Circuit Operation](#) for boom regenerative valve (82). (Group 9025-05.)

[See Boom Flow Rate Control Valve Circuit Operation](#) for boom flow rate control valve (83). (Group 9025-05.)

[See Boom and Arm Reduced Leakage Valves Operation](#) for boom reduced leakage valve (switch valve and check valve) (85). (Group 9025-05.)

[See Circuit Relief and Anticavitation Valve Operation](#) for boom down circuit relief and anticavitation valve (89). (Group 9025-05.)

[See Control Valve Check Valves Identification and Operation](#) for check valve (lift check)—boom 2 power circuit (105). (Group 9025-05.)

[See Lower Boom With Engine Stopped](#) for use of manual boom lower screw. (Operator's Manual.)

[See System Functional Schematic, Component Location and Wiring Diagram and Master Legend](#) for boom up pressure sensor (B30). (Group 9015-10.)



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