

# John Deere Tractors 6830 and 6930 Premium (European Edition) Service Repair Technical Manual (TM8024)

## 160DLC Excavator Diagnostic

### OPERATION AND TEST MANUAL

160DLC

TM10088 30AUG15 (ENGLISH)

For complete service information also see:

JDLink (MTG) Technical Manual	TM114519
160DLC Excavator Repair	TM10091
Alternators and Starting Motors	CTM77
PowerTech E 4.5 and 6.8L Diesel Engines	
Level 16 Electronic Fuel System With Denso HPCR	CTM502
Super Caddy Oil Cleanup Procedure	CTM310
PowerTech 4.5L Tier 1/Stage I, Tier 2/Stage II, Tier 3/Stage IIIA, Tier III, (Base Engine)	
JDG10274 Ultrasonic Under Measurement Gauge	

PDF



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John Deere Construction and Forestry

Covers: 6830,6930

**Type:** Service Manual

**Language:** English

**Pages:** 2134

**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 Tractors 6830 and 6930 Premium (European Edition) Service Repair Technical Manual (TM8024)**

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.

**Y24**

1	(11)	YEL	X3
2	(14)	WHT/GRN	X3

**Y25**

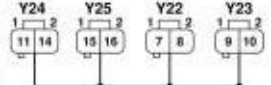
1	(15)	BLK	X3
2	(16)	RED	X3

**Y22**

1	(7)	RED/WHT	X3
2	(8)	BLK/WHT	X3

**Y23**

1	(9)	WHT	X3
2	(10)	GRN	X3



**B31**

1	(161)	RED/YEL	X101
2	(62)	RED/BLK	X3
3	(171)	BLK/YEL	X101

**X46**

1	(69)	RED/WHT	X4
2	(66)	LT GRN/BLK	X4
3	(72)	BLK/GRN	X4
4	(272)	RED/YEL	X101
5	(277)	BLK/YEL	X101
6	(17)	RED	X4
7	(18)	YEL/GRN	X4
8	(652)	BLU/BLK	X4
9	(650)	BLU/WHT	X4
10	(651)	YEL/BLK	X4
11	(655)	BLU/BLK	X4
12		NOT USED	
13		NOT USED	
14	(664)	BLU	X3

**X40**

1	(64)	WHT/GRN	X3
2	(70)	YEL/BLK	X3
3	(68)	RED/GRN	X3
4	(61)	GRN/YEL	X3
5	(3)	BLU/RED	X3
6	(4)	BLU/RED	X3
7	(5)	BRN/WHT	X3
8	(6)	GRN/WHT	X3
9		NOT USED	
10	(21)	ORG	X4

11	(22)	RED/GRN	X4
12	(301)	RED/YEL	X101
13		NOT USED	
14		NOT USED	
15		NOT USED	
16	(311)	GRY	X101
17	(81)	BLU/YEL	X3
18		NOT USED	
19		NOT USED	
20		NOT USED	

**X138**

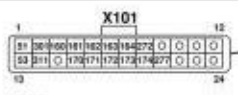
A	(203)	BLU	X3
B	(202)	BLU/YEL	X3

**G3**

B	(504)	WHT	F60
B	(506)	WHT	X42
E	(501)	BLK	X3

**X7**

1	(764)	RED/BLK	X3
2	(800)	GRN	X4
3	(801)	BLU	X4
4	(802)	BLU	X4
5	(811)	BLK	(501)
6	(762)	RED/WHT	X4
7	(405)	RED	X4
8	(401)	WHT	X4



**X101**

1	(51)	RED/YEL	X3
2	(301)	RED/YEL	X40
3	(160)	RED/YEL	B30
4	(161)	RED/YEL	B31
5	(162)	RED/YEL	B32
6	(163)	RED/YEL	B33
7	(164)	RED/YEL	B34
8	(272)	RED/YEL	X46
9		NOT USED	
10		NOT USED	
11		NOT USED	

13	(53)	BLK/YEL	X3
14	(311)	BLK/YEL	X40
15		NOT USED	
16	(170)	BLK/YEL	B30
17	(171)	BLK/YEL	B31
18	(172)	BLK/YEL	B32
19	(173)	BLK/YEL	B33
20	(174)	BLK/YEL	B34
21	(277)	BLK/YEL	X46
22		NOT USED	
23		NOT USED	

**X1**

A	(876)	BLK	(501)
B	(875)	RED	X3
C	(804)	GRN	(800)
D	(805)	BLU	(801)
E		NOT USED	
F		NOT USED	
G		NOT USED	
H		NOT USED	

**H4**

1	(141)	WHT/YEL	X4
2	(26)	WHT/RED	X4
3	(140)	BLK	(501)
4	(138)	GRN/BLK	X4

**F60**

1	(504)	WHT	G3
2	(602)	WHT	K19

**M1**

1	(505)	BLK/WHT	X3
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**B30**

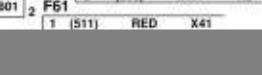
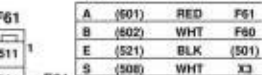
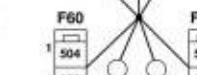
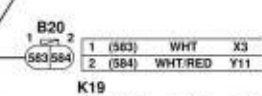
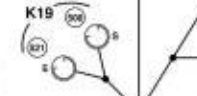
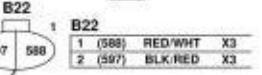
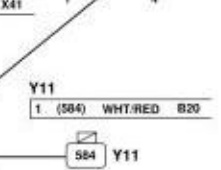
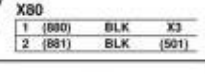
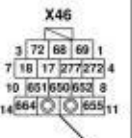
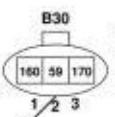
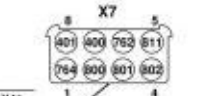
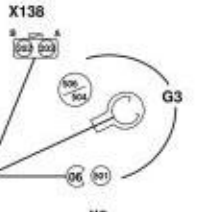
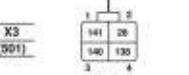
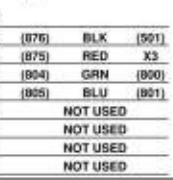
1	(160)	RED/YEL	X101
2	(59)	BLK/BLU	X3
3	(170)	BLK/YEL	X101

**B16**

1	(591)	BLK	(501)
2	(223)	GRN/BLU	X3

**M6**

L	(546)	VLT	X3
LB	(547)	BLK	(501)





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to get more information.