

# John Deere 600CLC and 800C Excavators Service Repair Technical Manual (TM1923)

770G, 770GP, 772G, and  
772GP Motor Graders (SN.  
F656526—678817)  
Diagnostic



## OPERATION AND TEST MANUAL

Graders Models 770G, 770GP (PIN: 1DW770G\*\*\*F656526—678817) 772G, 772GP  
(PIN: 1DW772G\*\*\*F656526—678817)

TM13026X19 10 MAR 16 (ENGLISH)

**For complete service information also see:**

770G, 770GP, 772G, and 772GP Motor Graders Repair

TM13027X19

JDLINK (MTG) Technical Manual

TM114519

TeamMate II 1200, 1400, and 1600 Series Forward Planetary Axles

CTM43

DF180 Series Power

CTM308

TeamMate II 1400

120 Series Hydraulic Cylinder

6090 PowerTech™ OEM Dies

PDF



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John Deere Construction and Forestry  
Printed by Belgreen



**Covers:** 800C, 600CLC

**Type:** Service Manual

**Language:** English

**Pages:** 535

**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 600CLC and 800C Excavators Service Repair Technical Manual (TM1923)**

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
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- 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.

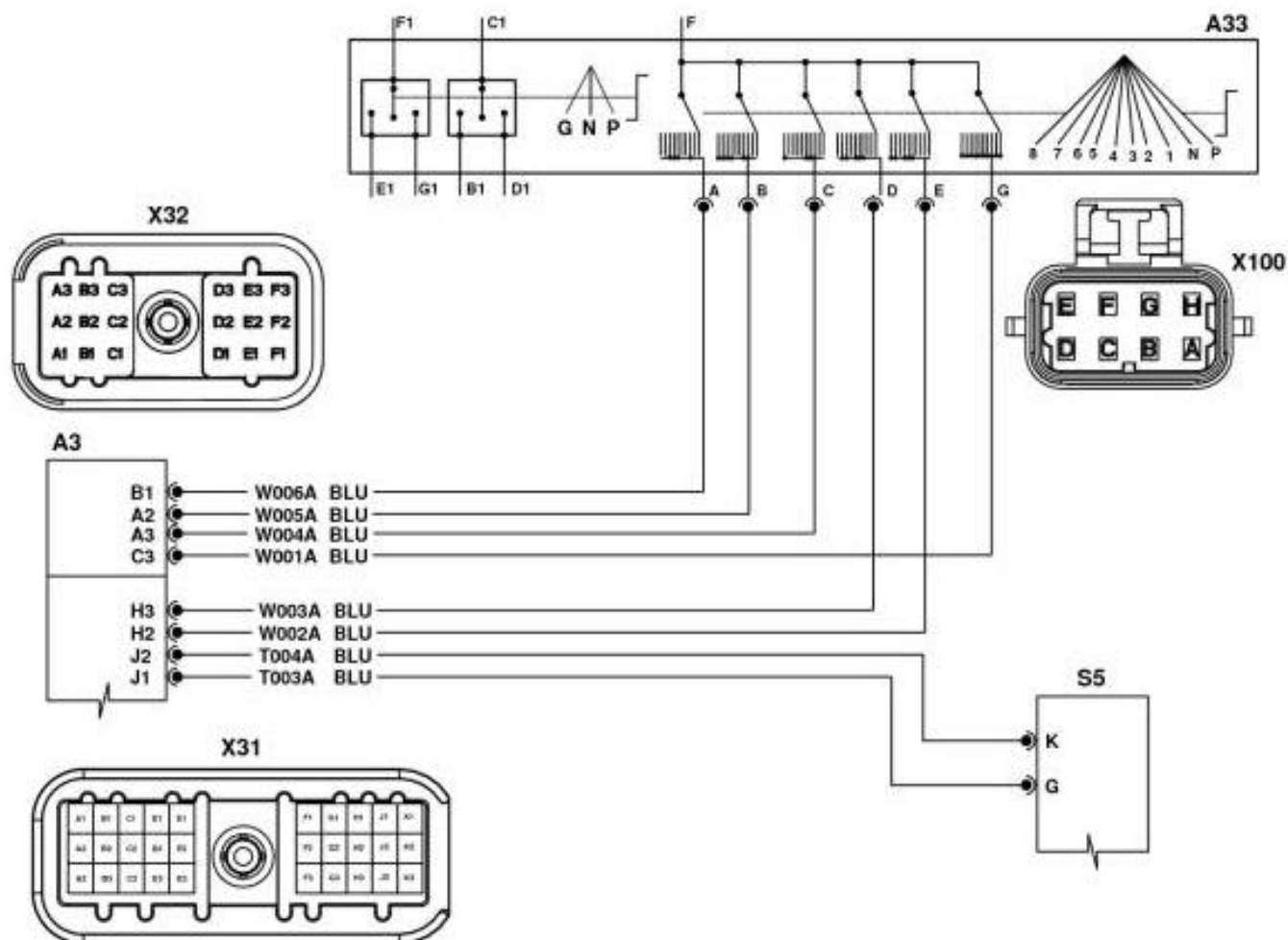
**523740.31- Gear Selector Fault**

44

Transmission shift lever module (A33) inputs do not align.

**→NOTE:**

Transmission will default to neutral. Transmission must be shifted to neutral to recover from code. To recover and restore normal operation, the cause of the malfunction must first be determined and corrected.



TX1144546

**Transmission Shift Lever Module (A33) Circuit Schematic****LEGEND:**

A3	Transmission Control Unit (TCU)
A33	Transmission Shift Lever Module
S5	Forward/Reverse Switch Module
X31	Transmission Control Unit (TCU) 30-Pin Connector 1
X31—H2	Signal
X31—H3	Signal
X33—J1	Signal
X33—J2	Signal
X32	Transmission Control Unit (TCU) 18-Pin Connector 2
X32—A2	Signal
X32—A3	Signal
X32—B1	Signal
X32—C3	Signal
X100	Transmission Shift Lever Module 8-Pin Connector 1

**Alarm Level:**

- Service Required Indicator



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