

# John Deere 870GLC Excavator w.Engine 6WG1XZSA-02 Diagnostic, Operation, Test Service Manual (TM12176)

Wide Area Mower1600  
Series III Turbo  
(S.N. 405001-)



JOHN HARE



COLLECTION

TECHNICAL MANUAL

Wide Area Mower1600 Series III Turbo (S.N. 405001-)

TM147819 01DEC18 (ENGLISH)



John Deere Horicon Works

**Covers:** 870GLC

**Type:** Service Manual

**Language:** English

**Pages:** 1018

**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 870GLC Excavator w.Engine 6WG1XZSA-02 Diagnostic, Operation, Test Service Manual (TM12176)**

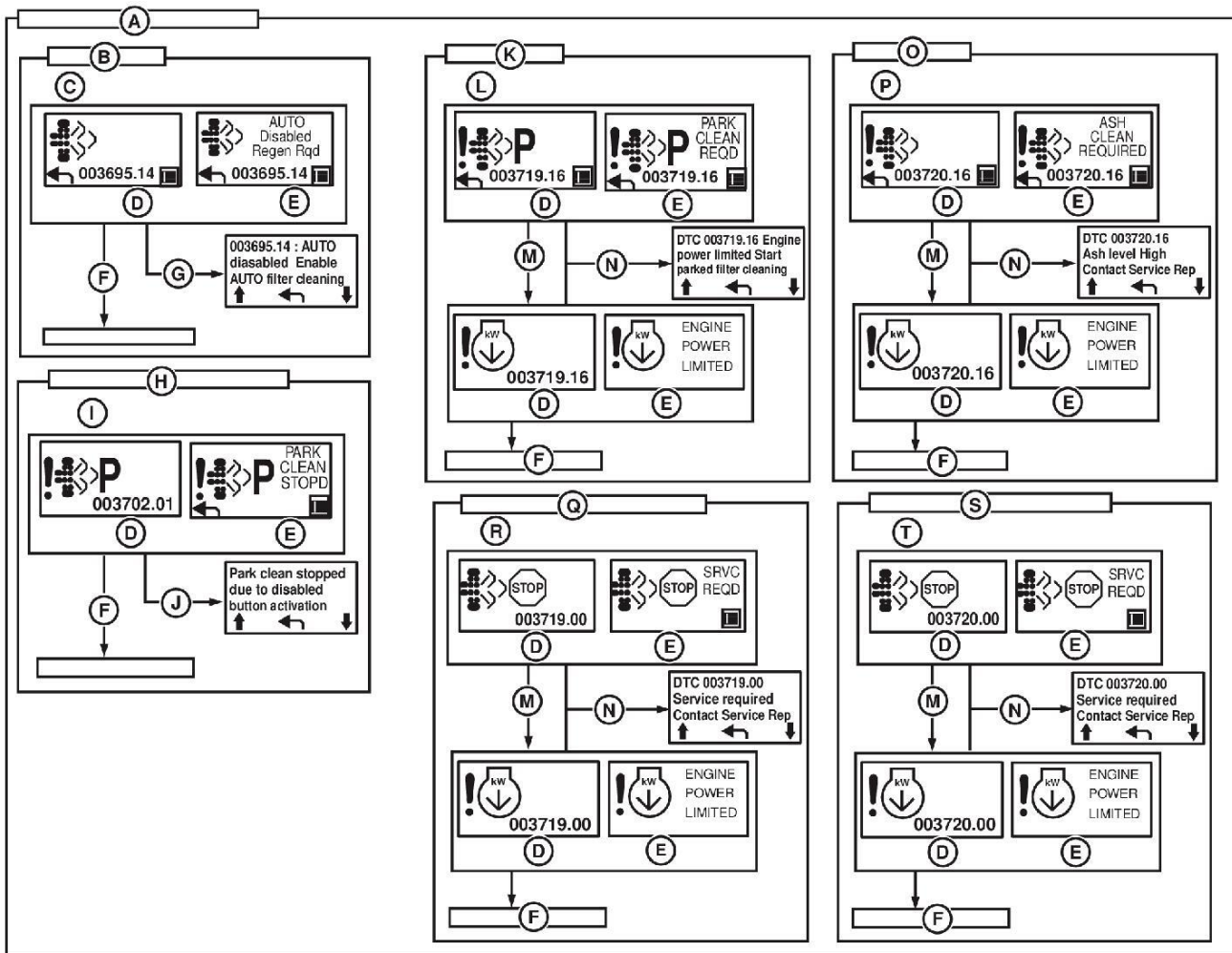
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

**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.

Tier 4 Warning Popups



TCT012109-UN: Warnings

LEGEND:

- |   |   |   |
|---|---|---|
| <p><b>A</b>-Tier 4 warning popup screens<br/> <b>B</b>-No derate popup<br/> <b>C</b>-No derate, DTC 003695.14 and amber LED flashes<br/> <b>D</b>-Text off<br/> <b>E</b>-Text on<br/> <b>F</b>-Left or center press to DPF status screen<br/> <b>G</b>-Right press for auto regeneration enable or disable<br/> <b>H</b>-Force regeneration stopped popup</p> | <p><b>I</b>-DTC 003702.01 and disabled button pressed<br/> <b>J</b>-Right press for 'Park clean stopped due to disabled button activation' message<br/> <b>K</b>-Power derate popup<br/> <b>L</b>-Power derate, amber LED flashes and DTC 003719.16<br/> <b>M</b>-Left or center press<br/> <b>N</b>-Right press<br/> <b>O</b>-Power derate popup</p> | <p><b>P</b>-Power derate, amber LED flashes and DTC 003720.16<br/> <b>Q</b>-Limp derate popup<br/> <b>R</b>-Limp derate, Red LED flashing and DTC 003719.00<br/> <b>S</b>-Limp derate popup<br/> <b>T</b>-Limp derate, Red LED flashing and DTC 003720.00</p> |
|---|---|---|

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Aftertreatment Verification Procedure

1. Ignition ON, engine running.
2. Ensure that the auto exhaust filter cleaning is enabled and throttle is at slow idle.
3. In Service ADVISOR, monitor Engine Coolant Temperature and allow it to reach 70°C (158°F).

**IMPORTANT:**

If exhaust filter cleaning begins, allow it to complete.

4. Monitor DTCs. If any DTCs become active, go to those troubleshooting procedures.

NOTE:

Upon key cycle, DTCs related to the aftertreatment system may become stored.

5. Clear all stored DTCs and verify that no active DTCs reappear.

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