

John Deere 670G, 670GP, 672G, 672GP (SN.F656526◆◆◆◆◆◆◆◆678817) Motor Grader Service Repair Manual (TM13025X19)



710J Backhoe Loader
Diagnostic

OPERATION AND TEST MANUAL
Backhoe Loaders models 710J (S.N. 159770-161143, 172185-)
TM10874 22 DEC 15 (ENGLISH)

For complete service information also see:

710J Backhoe Loader Repair (S.N.159770-161143, 172185-)	TM10875
710J Backhoe Loader Repair	TM10148
710J Backhoe Loader Diagnostic	TM10133
Alternators and Starting Motors	CTM77
PowerTech E 4.5 and 6.8L Diesel Engine with Level 16 Electronic Fuel System With Deere	CTM502
Front Wheel Drive	
PowerTech 4.5L & 6.8L Diesel Engine with Stanadyne System With Stanadyne	
Super Caddy Oil Cleanup P	
PowerTech 4.5L & 6.8L Diesel Engine Tier 1/Stage I, Tier 2/Stage II, Tier 3/Stage IIIA, Tier 3/Stage IIA Tier 3/Stage III, (Base Engine)	CTM104
COOLANT HEATER SERVICE MANUAL	CTM10090X19
JDLINK/ZXLINK Machine Monitoring System	CTM10006

John Deere Construction and Forestry
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Covers: 672G,1DW672G***F656526◆◆◆◆◆◆◆◆678817),670G,1DW670GP**F6

Type: Service Manual

Language: English

Pages: 628

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 670G, 670GP, 672G, 672GP (SN.F656526◆◆◆◆◆◆678817) Motor Grader Service Repair Manual (TM13025X19)**

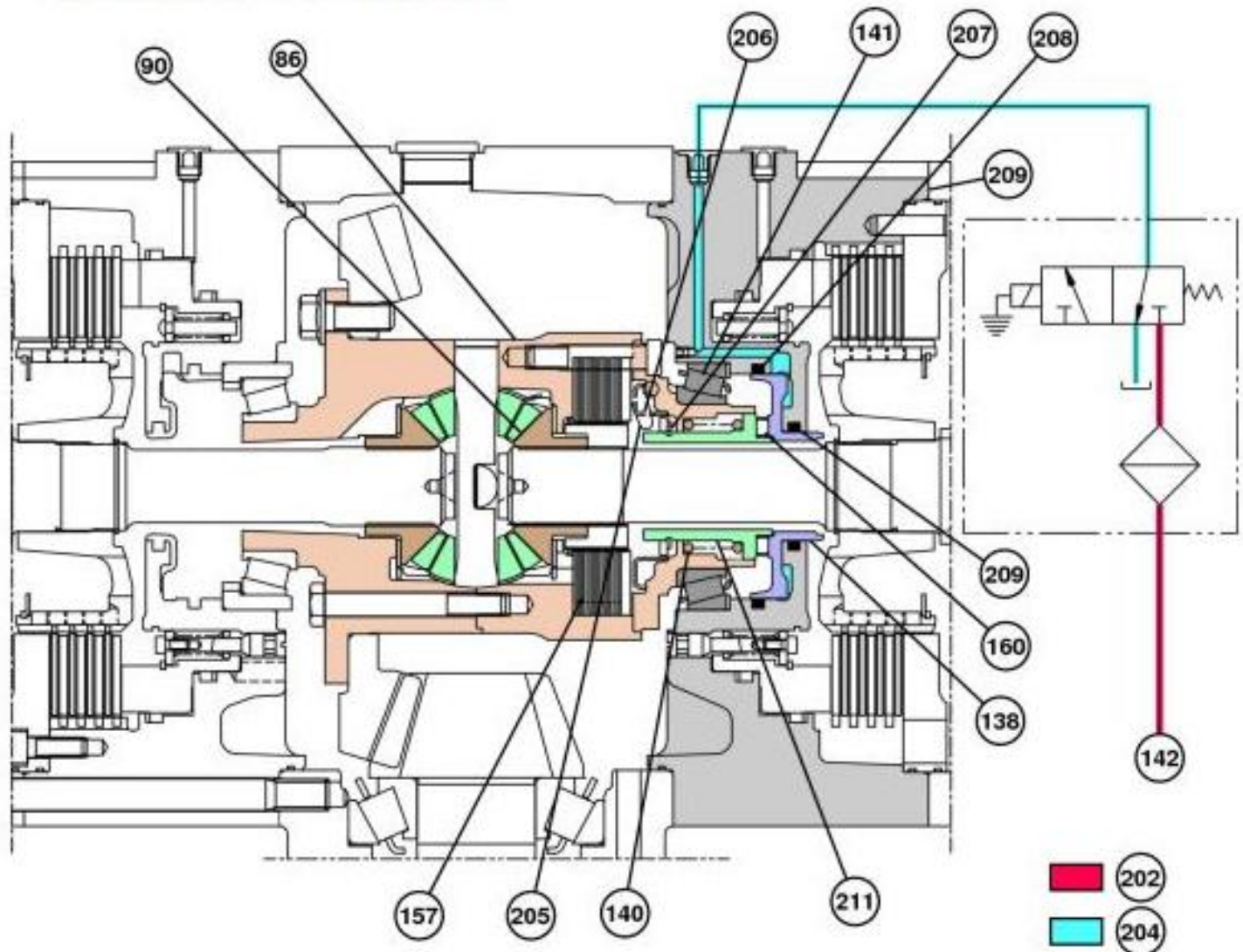
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

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.

Differential Lock Operation



TX1016457

Differential Lock Operation

LEGEND:

86	Differential Housing
138	Piston
140	Spring
141	Bearing
142	From Transmission Pump
157	Clutch Pack
160	Needle Bearing
202	System Pressure
204	Return Pressure
205	Lever
206	Cage
207	Snap Ring
208	Seal
209	Brake Housing
210	Differential Lock Solenoid

When the operator has the differential lock foot control switch in the off position (unapplied), the spring force (140) moves the sliding sleeve (211), lever (205) and piston (138) back releasing the differential lock. The return oil returns through the same port as when the switch is in the "On" position.

When the operator pushes the differential lock foot control switch to the on position, the switch energizes the differential lock solenoid (210) on the transmission. When the differential lock solenoid is energized, pressure oil flows to the inlet and through the cross-drilled passages to the piston (138). The pressurized oil moves the piston against the sliding sleeve and lever to lock



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for your reading.
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to get more information.