

# John Deere 670D, 672D, 770D, 772D, 870D, 872D Motor Grader Service Repair Technical Manual (TM2256)

670D, 672D, 770D, 772D,  
870D, and 872D Motor  
Grader Repair



## REPAIR TECHNICAL MANUAL

Graders models 670D, 770D, 870D; HFWD models 672D, 772D, 872D

TM2256 30 JAN 15 (ENGLISH)

### For complete service information also see:

670D, 672D, 770D, 772D, 870D, and 872D Motor Grader Diagnostic	TM2246
JDLINK (MTG) Technical Manual	TM114519
PowerTech 8.1 L Diesel Engines Base Engine	CTM86
Alternators and Starting Motors	CTM77
TeamMate II 1200 Series Hydraulic Axles	CTM43
DF230 Series Transmission	CTM255
Super Caddy Oil Cooler	CTM104
DF180 Series Powershift Transmission	CTM10006
PowerTech 8.1L Diesel Engines Pressure Common Rail	CTM220
PowerTech 4.5 L & 6.8 L Diesel Engines, Level 11 Electronic Fuel System with Denso HPCR	CTM114319
120 Series Hydraulic Cylinders	CTM104
PowerTech 4.5L & 6.8L Diesel Engines Tier 1/Stage I, Tier 2/Stage II, Tier 3/Stage IIIA, Tier 3/Stage IIA Tier 3/Stage III, (Base Engine)	CTM10006
JDLINK/ZXLINK Machine Monitoring System	CTM10006

PDF



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John Deere Construction and Forestry  
Printed by Belgreen



Covers: 670D,672D,770D,772D,872D,870D

**Type:** Service Manual

**Language:** English

**Pages:** 434

**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 670D, 672D, 770D, 772D, 870D, 872D Motor Grader Service Repair Technical Manual (TM2256)**

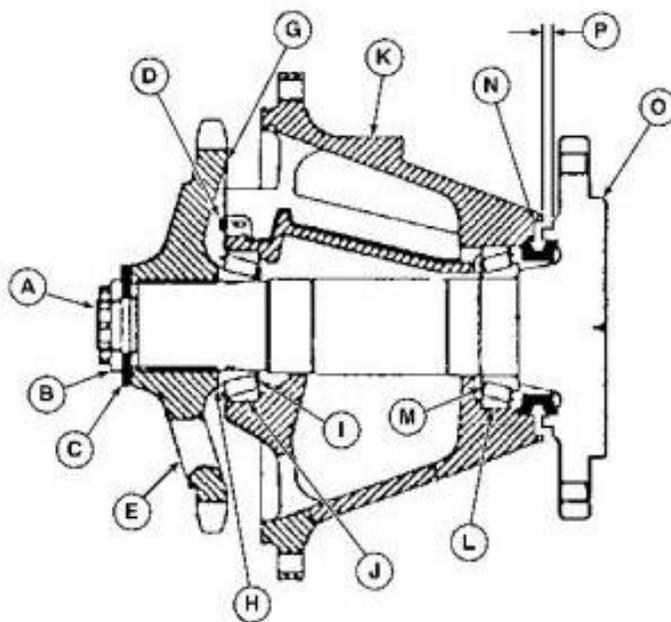
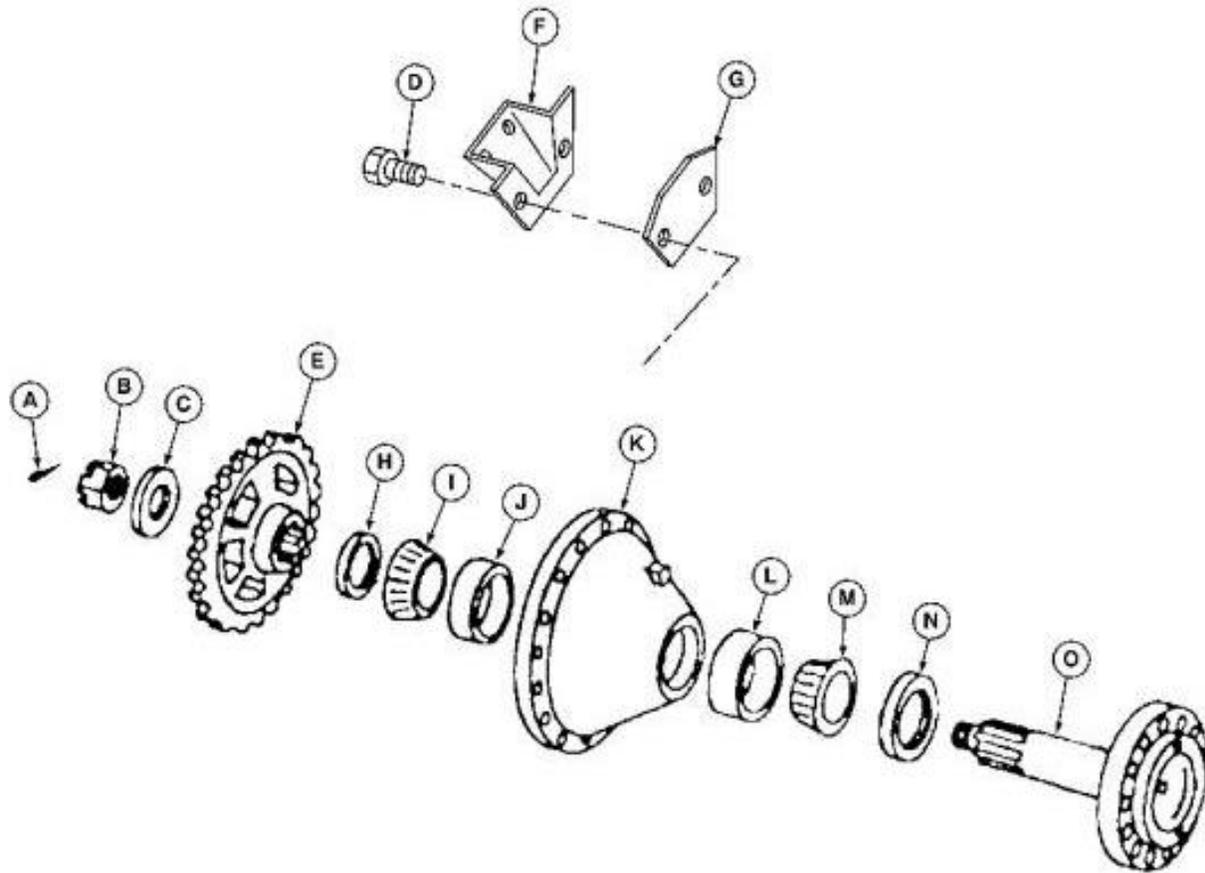
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

**Contents:**

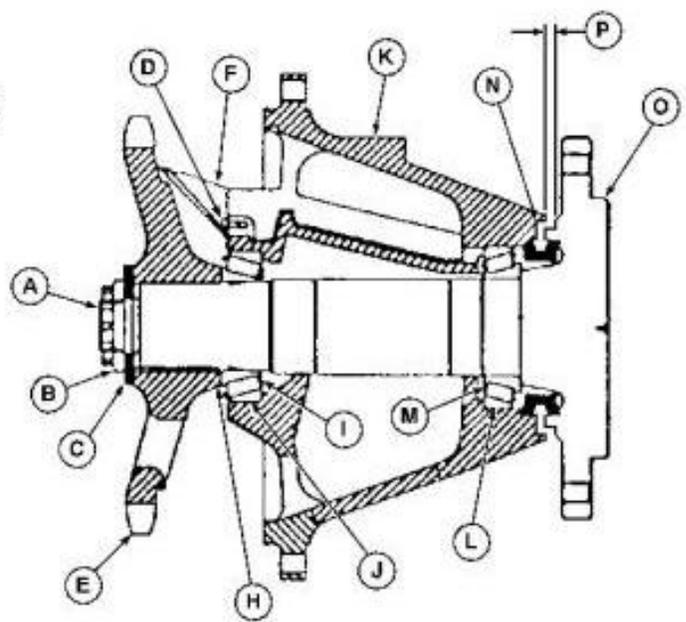
- General Information
- Specifications
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- and much more...

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# Tandem Wheel Axle Assembly Disassemble and Assemble



TANDEM FRONT  
WHEEL AXLE ASSEMBLY



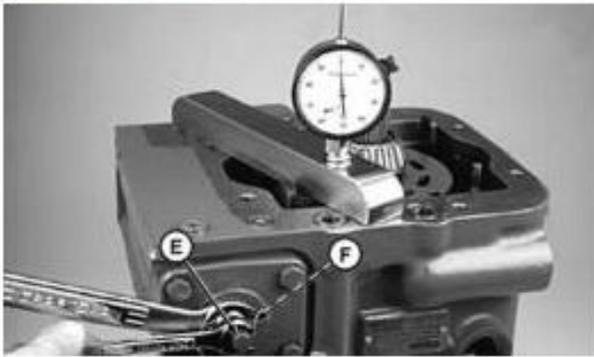
TANDEM REAR WHEEL  
AXLE ASSEMBLY

T109859

### Tandem Wheel Axle Assemblies

**LEGEND:**

- A Cotter Pin
- B Slotted Nut
- C Sprocket Retainer
- D Cap Screw (2 used per axle)



### Control Piston Adjustment Screw and Lock Nut

Move parallel bar (A) and depth micrometer (B) to the opposite side of the swash plate.

Depth Micrometer

Use to measure distance from parallel bar to the face of swash plate.

**[59]** - Measure distance from parallel bar (A) to the face of swash plate (D).

**[60]** - Turn the face of depth micrometer (B) so that the zero position is right between the two measured dimensions.

Depth Micrometer

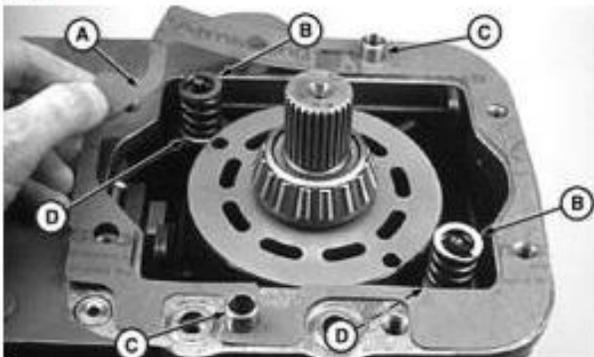
Use to measure distance from parallel bar to the face of swash plate.

**[61]** - Turn control piston adjustment screw (E) clockwise or counterclockwise to bring the swash plate to the zero position.

**[62]** - Hold control piston adjustment screw (E) to zero position and tighten control piston adjustment lock nut (F) to specification.

Item	Measurement	Specification
Control Piston Adjustment Lock Nut	Torque	61 Nm 45 lb-ft

**[63]** -



#### LEGEND:

A	Gasket
B	Spring (2 used)
C	Dowel (2 used)
D	Washer

### Dowels, Washers, Springs and Gasket

Install dowels (C), washers (D), springs (B) and gasket (A).

**[64]** -



#### LEGEND:

A	Shim
B	End Cover
C	Bearing



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for your reading.  
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to get more information.