



REPLACEMENT PARTS GUIDE


670G and 670GP Motor Grader (PIN: 1DW670G__F680878—)


670G and 670GP Motor Grader (PIN: 1DW670G__L700954—)





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FINAL FUEL FILTER ELEMENT
[DZ112918](#)
 Interval (hrs) - 500.
- 


AXLE OIL FILTER
[AT335492](#)
 Interval (hrs) - 2000.
- 


HYDRAULIC OIL FILTER
[AT367840](#)
 Interval (hrs) - 2000.
- 


REAR AXLE BREATHER FILTER
[AT101565](#)
 Interval (hrs) - 2000.
- 


DIESEL EXHAUST FLUID (DEF) TANK BREATHER - [H216169](#)
 Interval (hrs) - 4000.
- 

DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER AND BAFFLE - [AT502964](#)
 Interval (hrs) - 4000.
- 

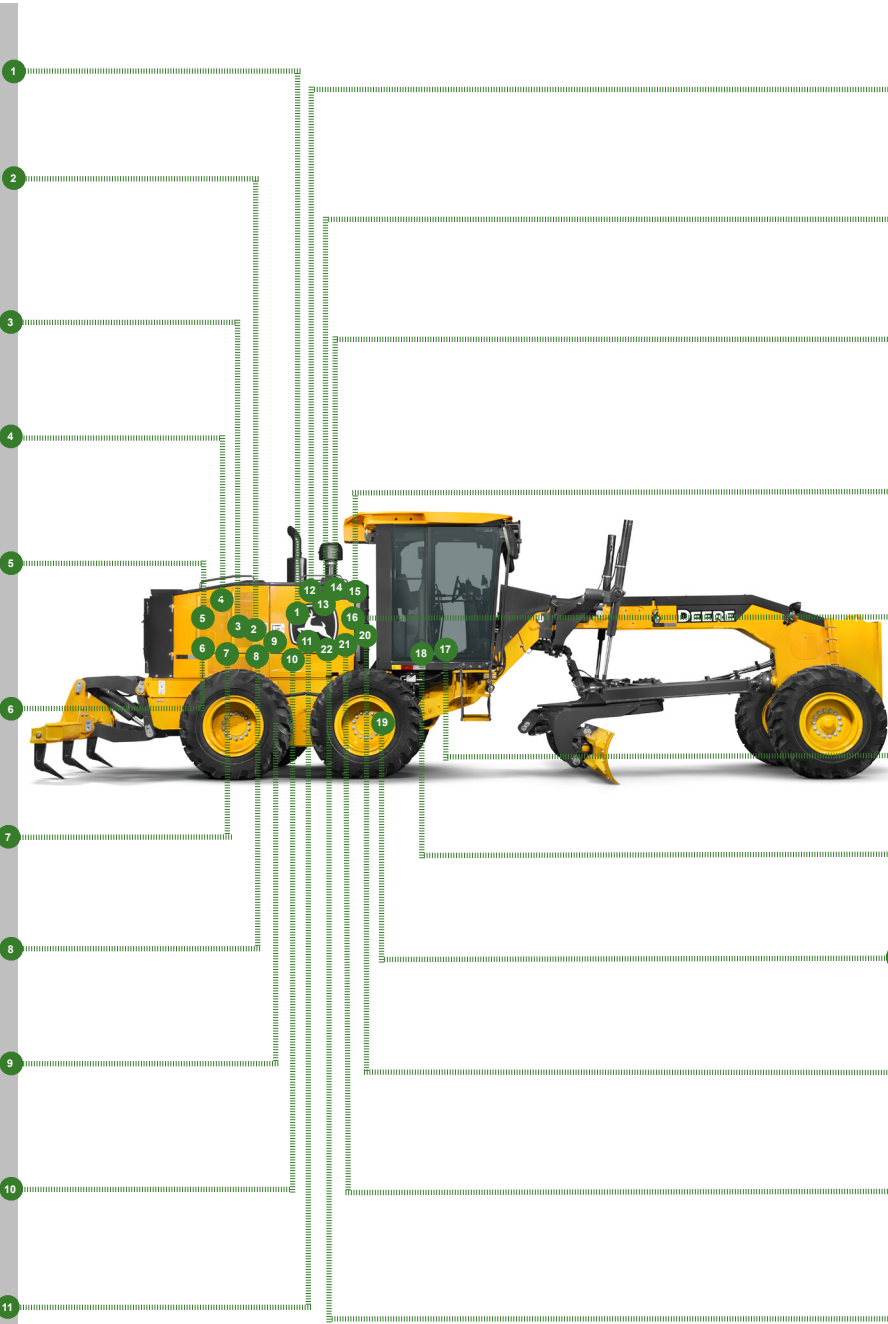
FUEL TANK BREATHER
[H216169](#)
 Interval (hrs) - 1000.
- 


DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER - [DZ114640](#)
 Interval (hrs) - 2000.
- 


AXLE OIL FILTER
[AT335492](#)
 Interval (hrs) - 2000.
- 


AUXILIARY FUEL FILTER ELEMENT (IF EQUIPPED) - [AT365869](#)
 Interval (hrs) - 500.
- 


6WD HYDRAULIC OIL FILTER (IF EQUIPPED)
[AT367840](#)
 Interval (hrs) - 2000.





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
PRIMARY AIR FILTER ELEMENT, STANDARD 13" - [AT175223](#)
 Interval (hrs) - As Required.
- 


SECONDARY AIR FILTER ELEMENT, STANDARD 13" - [AT175224](#)
 Interval (hrs) - As Required.
- 


PRIMARY AIR FILTER ELEMENT, HEAVY DUTY 14" - [AT311066](#)
 Interval (hrs) - As Required.
- 


SECONDARY AIR FILTER ELEMENT, HEAVY-DUTY 14" - [AT311067](#)
 Interval (hrs) - As Required.
- 


PRIMARY FUEL FILTER ELEMENT
[RE539465](#)
 Interval (hrs) - 500.
- 

CAB FRESH AIR FILTER
[AT191102](#)
 Interval (hrs) - As Required.
- 

CAB RECIRCULATION AIR FILTER
[AT307501](#)
 Interval (hrs) - As Required.
- 

DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER)
[DZ100484](#)
 Interval (hrs) - 2000.
- 

ENGINE OIL FILTER
[DZ118283](#)
 Interval (hrs) - 500.
- 

FINAL FUEL FILTER ELEMENT
[DZ112918](#)
 Interval (hrs) - 500.
- 

ENGINE ROCKER ARM COVER GASKET
[R526607](#)
 Interval (hrs) - 2000.



PARTS AND CAPACITIES INFORMATION

670G and 670GP Motor Grader (PIN: 1DW670G___F680878—)
670G and 670GP Motor Grader (PIN: 1DW670G___L700954—)

| Part Description | Qty or capacity | Change Interval In Hours |
|--|-------------------|--------------------------|
| John Deere Plus-50™ II Engine Oil ² | 28.4 L (7.5 gal) | 500 |
| John Deere Hydrau™ Hydraulic Oil ² | 60.5 L (16.0 gal) | 4000 |
| John Deere Hy-Gard™ 6WD Hub Oil ² (if equipped) (each) | 7.2 L (1.9 gal) | 1000 |
| John Deere Hy-Gard™ Transmission, Axle, and Tandem Oil ² | 66.4 L (17.5 gal) | 2000 |
| John Deere Hy-Gard™ Circle Gear Case Oil ² (standard circle) | 5.7 L (1.5 gal) | 2000 |
| John Deere Hy-Gard™ Circle Gear Case Oil ² (premium circle) | 6.4 L (1.7 gal) | 4000 |
| John Deere Cool-Gard™ II Pre-Mix | 55.0 L (14.5 gal) | 6000 |
| Fluid Analysis Kits ³ | | |
| Diesel Engine Oil | 1 | 250 |
| Transmission Oil | 1 | 500 |
| Axle Oil | 1 | 500 |
| Tandem Oil | 2 | 500 |
| Hydraulic Oil | 1 | 500 |
| 6WD Hub Oil (if equipped) | 2 | 500 |
| Diesel Fuel | 1 | 500 |
| Engine Coolant | 1 | 500 |
| ² See operator's manual for recommended oil type and oil viscosities based on operating temperatures. ³ Based on fluid analysis results, intervals may need to be adjusted for operating conditions. consult a local John Deere dealer. | | |

Plus-50 is a trademark of Deere & Company
 Hy-Gard is a trademark of Deere & Company
 Hydrau is a trademark of Deere & Company
 COOL-GARD is a trademark of Deere & Company



CLICK PART NUMBER TO BUY

***See operator's manual for additional details.**

Service Interval

| As Required | |
|--|--|
| <input type="checkbox"/> Service exhaust filter | <input type="checkbox"/> Inspect accessory belt and belt tensioner spring |
| <input type="checkbox"/> Clean cooler cores | <input type="checkbox"/> Replace engine air intake filter elements |
| <input type="checkbox"/> Clean and tighten battery terminals | <input type="checkbox"/> Drain fuel tank sump |
| <input type="checkbox"/> Clean battery compartment | <input type="checkbox"/> Drain primary fuel filter and water separator |
| <input type="checkbox"/> Replace cab fresh air and cab recirculation filters | <input type="checkbox"/> Drain auxiliary fuel filter and water separator (if equipped) |
| <input type="checkbox"/> Lubricate circle pinion (standard circle) | <input type="checkbox"/> Clean camera lens (if equipped) |
| <input type="checkbox"/> Check tire pressure | <input type="checkbox"/> Transmission control unit (TCU) calibration |
| <input type="checkbox"/> Check blade circle and draft frame wear inserts (standard circle) | <input type="checkbox"/> 6WD controller calibration (if equipped) |
| <input type="checkbox"/> Check blade lift cylinder sockets | <input type="checkbox"/> Cross slope sensors calibration (if equipped) |
| <input type="checkbox"/> Lubricate saddle locking pin holes | <input type="checkbox"/> Hydraulic valves calibration (if equipped) |
| <input type="checkbox"/> Blade side shift wear insert adjustment | <input type="checkbox"/> Replace starting fluid cylinder (if equipped) |
| Every 10 Hours or Daily | |
| <input type="checkbox"/> Check hydraulic tank oil level | <input type="checkbox"/> Check engine oil level |
| <input type="checkbox"/> Check transmission oil level | <input type="checkbox"/> Check engine coolant surge tank level |
| Every 50 Hours | |
| <input type="checkbox"/> Lubricate frame hinge pivots | <input type="checkbox"/> Lubricate front axle lean bar pivot |
| <input type="checkbox"/> Lubricate lift cylinders | <input type="checkbox"/> Lubricate front axle steering pin |
| <input type="checkbox"/> Lubricate draft frame ball | <input type="checkbox"/> Lubricate tie rod ends |
| <input type="checkbox"/> Lubricate front mounted scarifier or dozer blade (if equipped) | <input type="checkbox"/> Lubricate steering cylinders |
| <input type="checkbox"/> Lubricate Balderson™ style front lift group (if equipped) | <input type="checkbox"/> Lubricate midmount scarifier (if equipped) |
| <input type="checkbox"/> Lubricate front axle oscillation pin | <input type="checkbox"/> Lubricate circle side shift cylinder |
| <input type="checkbox"/> Lubricate front axle lean pivot casting pins | <input type="checkbox"/> Lubricate saddle locking pin |
| Every 250 Hours | |
| <input type="checkbox"/> Check hybrid battery electrolyte level (if equipped) | <input type="checkbox"/> Take engine oil sample |
| Initial Service—500 Hours ¹ | |
| <input type="checkbox"/> Replace axle oil filter | <input type="checkbox"/> Replace transmission oil filter |
| Every 500 Hours | |
| <input type="checkbox"/> Check axle oil level | <input type="checkbox"/> Replace primary fuel filter and water separator |
| <input type="checkbox"/> Check tandem oil level | <input type="checkbox"/> Replace auxiliary fuel filter and water separator (if equipped) |
| <input type="checkbox"/> Drain and refill engine oil and replace filter | <input type="checkbox"/> Take hydraulic oil sample |
| <input type="checkbox"/> Drain and refill engine oil (quick service) (if equipped) | <input type="checkbox"/> Take transmission oil sample |
| <input type="checkbox"/> Check circle gear case oil level (standard circle) | <input type="checkbox"/> Take axle oil sample |
| <input type="checkbox"/> Check 6WD hub oil level (if equipped) | <input type="checkbox"/> Take tandem oil sample |
| <input type="checkbox"/> Lubricate tandem pivots | <input type="checkbox"/> Take 6WD hub oil sample (if equipped) |
| <input type="checkbox"/> Check brake accumulator | <input type="checkbox"/> Take engine coolant sample |
| <input type="checkbox"/> Replace final fuel filter | <input type="checkbox"/> Take diesel fuel sample |
| <input type="checkbox"/> Lubricate circle ring gear (premium circle) | |

Service Interval

| Every 1000 Hours | |
|---|--|
| <input type="checkbox"/> Drain and refill 6WD hub oil (if equipped) | <input type="checkbox"/> Check coolant condition |
| <input type="checkbox"/> Adjust front wheel bearings (standard axle only) | <input type="checkbox"/> Replace fuel tank breather |
| <input type="checkbox"/> Check engine air intake hoses | |
| Every 2000 Hours | |
| <input type="checkbox"/> Drain and refill axle oil | <input type="checkbox"/> Replace axle oil filter |
| <input type="checkbox"/> Drain and refill transmission oil | <input type="checkbox"/> Replace hydraulic oil filter |
| <input type="checkbox"/> Drain and refill transmission oil (quick service) (if equipped) | <input type="checkbox"/> Replace transmission oil filter |
| <input type="checkbox"/> Replace rear axle breather filter and hydraulic tank breather filter | <input type="checkbox"/> Replace 6WD hydraulic oil filter (if equipped) |
| <input type="checkbox"/> Drain and refill circle gear case oil (standard circle) | <input type="checkbox"/> Replace diesel exhaust fluid (DEF) dosing unit filter |
| <input type="checkbox"/> Check and adjust engine valve lash | <input type="checkbox"/> Remove and clean open crankcase ventilation (OCV) tube |
| Every 4000 Hours | |
| <input type="checkbox"/> Drain and refill hydraulic tank oil | <input type="checkbox"/> Replace diesel exhaust fluid (DEF) tank breather |
| <input type="checkbox"/> Drain and refill hydraulic tank oil (quick service) (if equipped) | <input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank |
| <input type="checkbox"/> Drain and refill tandem oil | <input type="checkbox"/> Replace diesel exhaust fluid (DEF) header suction filter |
| <input type="checkbox"/> Clean transmission pump inlet screen | <input type="checkbox"/> Replace diesel exhaust fluid (DEF) baffle |
| <input type="checkbox"/> Drain and refill circle gear case oil (premium circle) | |
| Every 6000 Hours | |
| <input type="checkbox"/> Drain and refill cooling system | <input type="checkbox"/> Drain and refill cooling system (quick service) (if equipped) |