



# REPLACEMENT PARTS GUIDE


620G and 620GP Motor Grader (PIN: 1DW620G\_\_F680878—)


620G and 620GP Motor Grader (PIN: 1DW620G\_\_L700954—)





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**PRIMARY FUEL FILTER ELEMENT**  
[RE556406](#)  
 Interval (hrs) - 500
- 


**ENGINE ROCKER ARM COVER GASKET**  
[R528743](#)  
 Interval (hrs) - 2000
- 


**AUXILIARY FUEL FILTER ELEMENT (IF EQUIPPED) - [AT365870](#)**  
 Interval (hrs) - 500
- 


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


**HYDRAULIC TANK BREATHER FILTER**  
[AT101565](#)  
 Interval (hrs) - 2000
- 

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

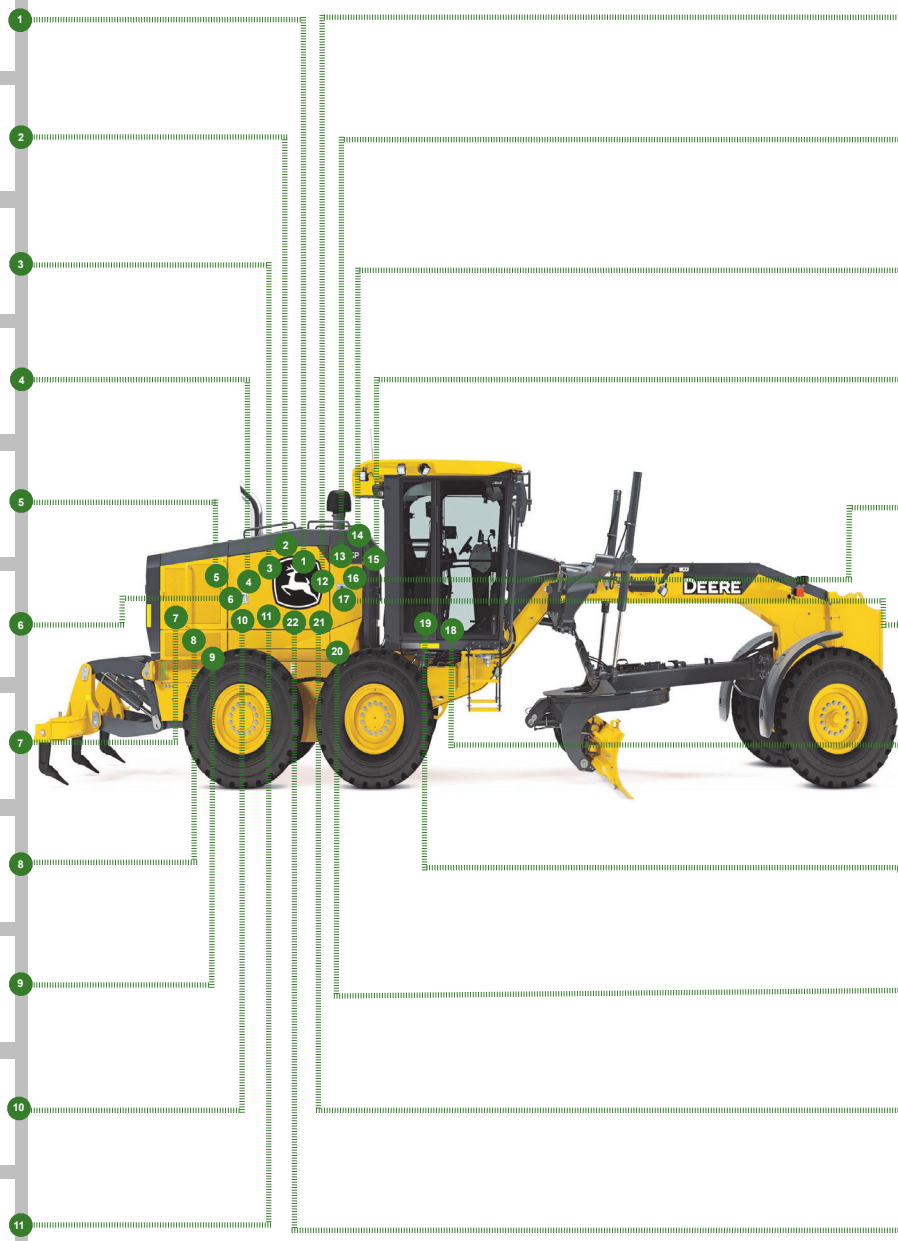
**FUEL TANK BREATHER**  
[H216169](#)  
 Interval (hrs) - 1000
- 


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


**DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER AND BAFFLE - [AT484544](#)**  
 Interval (hrs) - 4000
- 


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


**TRANSMISSION OIL FILTER**  
[AT335492](#)  
 Interval (hrs) - 2000





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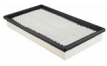
**ENGINE OIL FILTER**  
[RE539279](#)  
 Interval (hrs) - 500
- 

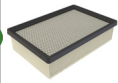
**PRIMARY AIR FILTER ELEMENT**  
[AT175223](#)  
 Interval (hrs) - As Required
- 


**SECONDARY AIR FILTER ELEMENT**  
[AT175224](#)  
 Interval (hrs) - As Required
- 


**OPEN CRANKCASE VENTILATION (OCV) FILTER - [RE553703](#)**  
 Interval (hrs) - 1000
- 


**FINAL FUEL FILTER ELEMENT**  
[RE556406](#)  
 Interval (hrs) - 500
- 

**DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER - [RE554498](#)**  
 Interval (hrs) - 2000
- 

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

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

**Rear Axle Breather Filter**  
[AT101565](#)  
 Interval (hrs) - 2000
- 

**CRANKSHAFT DAMPER**  
[RE508578](#)  
 Interval (hrs) - 4500
- 

**DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER) - [DZ100484](#)**  
 Interval (hrs) - As Required



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620G and 620GP Motor Grader (PIN: 1DW620G\_\_ \_L700954— )

Part Description		Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil		31.5 L (8.3 gal)	500
John Deere Hydrau™ Hydraulic Oil		60.5 L (16.0 gal)	4000
John Deere Hy-Gard™ 6WD Hub Oil (if equipped) (each)		7.2 L (1.9 gal)	1000
John Deere Hy-Gard™ Transmission and Axle Oil		66.4 L (17.5 gal)	2000
John Deere Hy-Gard™ TandemOil (each)		74.0 L (19.5 gal)	4000
John Deere Hy-Gard™ Circle Gear Case Oil (standard circle)		5.7 L (1.5 gal)	2000
John Deere Hy-Gard™ Circle Gear Case Oil (premium circle)		6.4 L (1.7 gal)	4000
John Deere Cool-Gard™ II Pre-Mix		51.0 L (13.5 gal)	6000



[CLICK PART NUMBER TO BUY](#)

\*See operator's manual for additional details.

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620G and 620GP Motor Grader (PIN: 1DW620G\_\_ \_L700954— )

Fluid Analysis Kits			
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

<sup>2</sup>See operator's manual for recommended oil type and oil viscosities based on operating temperatures.

<sup>3</sup>Based on fluid analysis results, intervals may need to be adjusted for operating conditions. Consult an authorized 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*

## Service Intervals

620G and 620GP Motor Grader (PIN: 1DW620G__ _F680878— )	622G and 622GP Motor Grader (PIN: 1DW622G__ _F680878— )
620G and 620GP Motor Grader (PIN: 1DW620G__ _L700954— )	622G and 622GP Motor Grader (PIN: 1DW622G__ _L700954— )
<b>As Required</b>	
<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	
<b>Every 10 Hours or Daily</b>	
<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
<b>Every 50 Hours</b>	
<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
<b>Every 250 Hours</b>	
<input type="checkbox"/> Check hybrid battery electrolyte level (if equipped)	<input type="checkbox"/> Take engine oil sample
<b>Initial Service—500 Hours<sup>1</sup></b>	
<input type="checkbox"/> Replace axle oil filter	<input type="checkbox"/> Replace transmission oil filter
<b>Every 500 Hours</b>	
<input type="checkbox"/> Check axle oil level	<input type="checkbox"/> Replace auxiliary fuel filter and water separator (if equipped)
<input type="checkbox"/> Check tandem oil level	<input type="checkbox"/> Remove and clean open crankcase ventilation (OCV) tube
<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"/> Replace primary fuel filter and water separator	<input type="checkbox"/> Lubricate circle ring gear (premium circle)

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	<input type="checkbox"/> Replace open crankcase ventilation (OCV) filter
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	
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 4500 Hours	
<input type="checkbox"/> Replace engine crankshaft damper	
Every 6000 Hours	
<input type="checkbox"/> Drain and refill cooling system	<input type="checkbox"/> Drain and refill cooling system (quick service) (if equipped)
<sup>1</sup> Perform initial service once after the first 500 hours of operation.	