










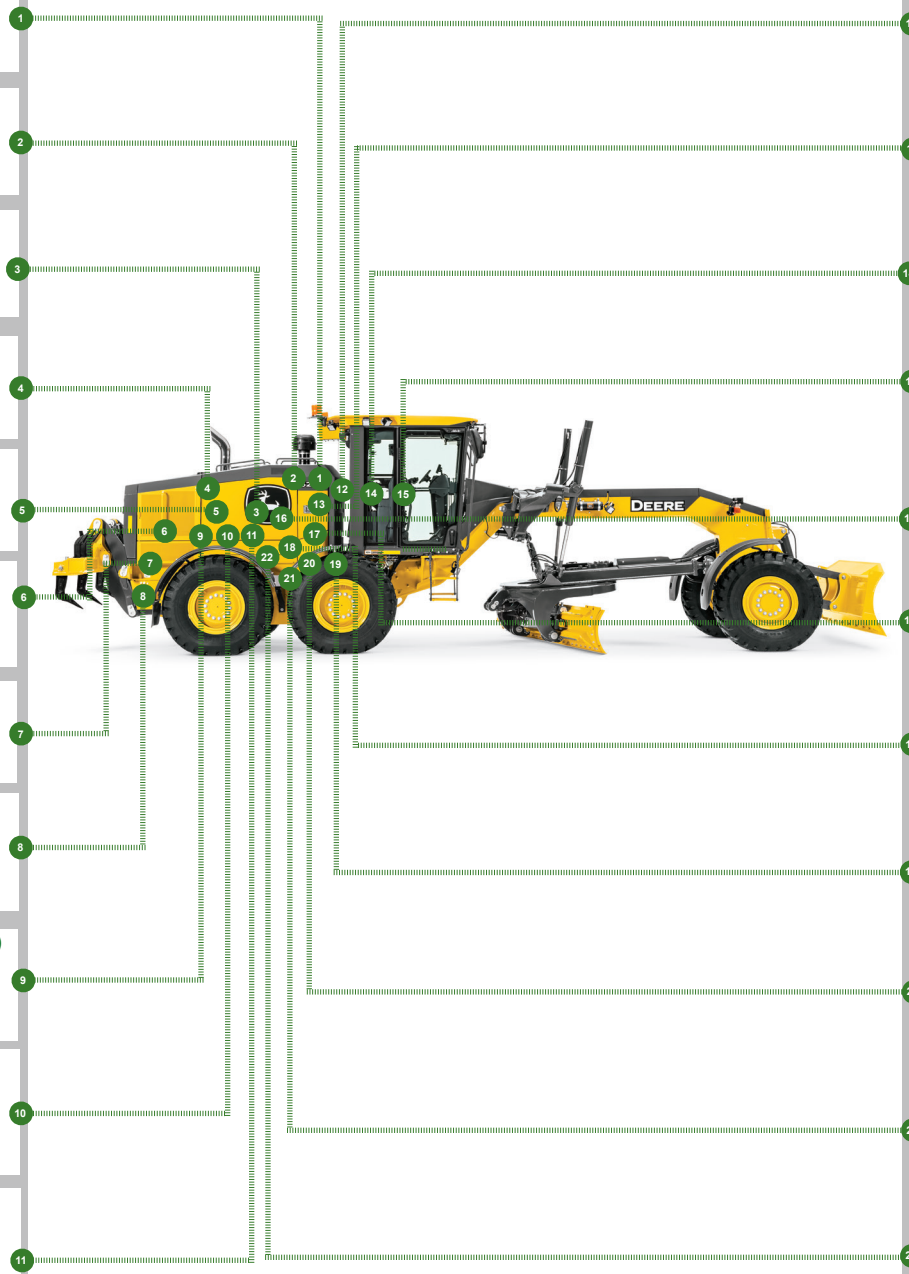













REPLACEMENT PARTS GUIDE

622G and 622GP Motor Grader (PIN: 1DW622G__F680878—)
 622G and 622GP Motor Grader (PIN: 1DW622G__L700954—)



	Secondary Air Filter Element AT175224 Interval (hrs) - As Required.
	Primary Air Filter Element AT175223 Interval (hrs) - As Required.
	Auxiliary Fuel Filter Element (If Equipped) AT365870 Interval (hrs) - 500.
	HYDRAULIC TANK BREATHER FILTER AT101565 Interval (hrs) - 2000.
	HYDRAULIC OIL FILTER 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) - 4500.
	6WD HYDRAULIC OIL FILTER (IF EQUIPPED) AT367840 Interval (hrs) - 2000.
	AXLE OIL FILTER AT335492 Interval (hrs) - 2000.
	TRANSMISSION OIL FILTER AT335492 Interval (hrs) - 2000.



	OPEN CRANKCASE VENTILATION (OCV) FILTER RE553703 Interval (hrs) - 500.
	ENGINE ROCKER ARM COVER GASKET R528743 Interval (hrs) - 2000.
	CAB FRESH AIR FILTER AT191102 Interval (hrs) - As Required.
	CAB RECIRCULATION AIR FILTER AT307501 Interval (hrs) - As Required.
	ENGINE OIL FILTER RE539279 Interval (hrs) - 500.
	DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER RE554498 Interval (hrs) - 2000.
	CRANKSHAFT DAMPER RE508578 Interval (hrs) - 4500.
	FINAL FUEL FILTER ELEMENT RE556406 Interval (hrs) - 500.
	DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER) DZ100484 Interval (hrs) - 4500.
	REAR AXLE BREATHER FILTER AT101565 Interval (hrs) - 2000.
	PRIMARY FUEL FILTER ELEMENT RE556406 Interval (hrs) - 500.



REPLACEMENT PARTS GUIDE

622G and 622GP Motor Grader (PIN: 1DW622G___F680878—)

622G and 622GP Motor Grader (PIN: 1DW622G___L700954—)

Part Description		Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ²		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™ Tandem Oil (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

REPLACEMENT PARTS GUIDE

622G and 622GP Motor Grader (PIN: 1DW622G__ _F680878—)

622G and 622GP Motor Grader (PIN: 1DW622G__ _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

¹Perform initial service once after the first 500 hours of operation.
²See operator's manual for recommended oil type and oil viscosities based on operating temperatures.
³Based 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

Hydrau is a trademark of Deere & Company

Hy-Gard 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—)
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	
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 Hours¹	
<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 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)
¹ Perform initial service once after the first 500 hours of operation.	