










# REPLACEMENT PARTS GUIDE

872G and 872GP Motor Grader (PIN: 1DW872G\_\_ \_C680878— )  
872G and 872GP Motor Grader (PIN: 1DW872G\_\_ \_D680878— )



	<b>ENGINE OIL FILTER</b> <a href="#">DZ118283</a> Interval: 500 hrs
	<b>HYDRAULIC TANK BREATHER</b> <a href="#">AT101565</a> Interval: 2000 hrs
	<b>FUEL TANK BREATHER</b> <a href="#">H216169</a> Interval: 1000 hrs
	<b>6WD HYDRAULIC OIL FILTER (IF EQUIPPED)</b> <a href="#">AT367840</a> Interval: 2000 hrs
	<b>HYDRAULIC OIL FILTER</b> <a href="#">AT367840</a> Interval: 2000 hrs







	<b>SECONDARY ENGINE AIR FILTER ELEMENT</b> <a href="#">AT175224</a> As Required
	<b>PRIMARY ENGINE AIR FILTER ELEMENT</b> <a href="#">AT175223</a> As Required
	<b>CAB RECIRCULATION FILTER</b> <a href="#">AT307501</a> As Required
	<b>CAB FRESH AIR FILTER</b> <a href="#">AT191102</a> As Required








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	<b>TRANSMISSION OIL FILTER</b> <a href="#">AT335492</a> Interval: 2000 hrs
	<b>AXLE OIL FILTER</b> <a href="#">AT335492</a> Interval: 2000 hrs
	<b>AUXILIARY FUEL FILTER ELEMENT (IF EQUIPPED)</b> <a href="#">AT365869</a> Interval: 500 hrs
	<b>REAR AXLE BREATHER FILTER</b> <a href="#">AT101565</a> Interval: 2000 hrs



	<b>PRIMARY AND FINAL FUEL FILTER KIT</b> <a href="#">RE525523</a> Interval: 500 hrs
	<b>CRANKSHAFT DAMPER</b> <a href="#">RE57604</a> Interval: 4500 hrs
	<b>CRANKSHAFT DAMPER</b> <a href="#">RE522932</a> Interval: 4500 hrs
	<b>ENGINE ROCKER ARM COVER GASKET</b> <a href="#">R527884</a> Interval: 2000 hrs
	<b>IN-LINE FUEL STRAINER (S.N. —685716)</b> <a href="#">AT423052</a> As Required



# PARTS AND CAPACITIES INFORMATION

**872G and 872GP Motor Grader (PIN: 1DW872G\_\_ \_C680878— )**  
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Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil <sup>2</sup>	28.0 L (7.4 gal)	500
John Deere Hydrau™ Hydraulic System Oil <sup>2</sup>	53.0 L (14.0 gal)	4000
John Deere Hy-Gard™ 6WD Hub Oil <sup>2</sup> (if equipped) (each)	7.2 L (1.9 gal)	1000
John Deere Hy-Gard™ Transmission, Axle, and Tandem Oil <sup>2</sup>	66.4 L (17.5 gal)	2000
John Deere Hy-Gard™ Circle Gear Case Oil <sup>2</sup> (standard circle)	5.7 L (1.5 gal)	2000
John Deere Hy-Gard™ Circle Gear Case Oil <sup>2</sup> (premium circle)	6.4 L (1.7 gal)	4000
John Deere Cool-Gard™ II Pre-Mix	48.5 L (12.8 gal)	6000

# PARTS AND CAPACITIES INFORMATION

872G and 872GP Motor Grader (PIN: 1DW872G\_\_ \_C680878— )

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Part Description	Qty or capacity	Change Interval In Hours
<b>Fluid Analysis Test Kits<sup>3</sup></b>		
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
<p><sup>1</sup>Perform initial service once after the first 500 hours of operation.</p> <p><sup>2</sup>See operator's manual for recommended oil type and oil viscosities based on operating temperatures.</p> <p><sup>3</sup>Based on fluid analysis results, intervals may need to be adjusted for operating conditions. Consult an authorized John Deere dealer.</p>		

*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

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

## Service Intervals

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)	
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)
<sup>1</sup> Perform initial service once after the first 500 hours of operation.	