

REPLACEMENT PARTS GUIDE

870G and 870GP Motor Grader (PIN: 1DW870G_ _ _F656526—678817)



DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER

[DZ114640](#)

Interval (hrs) - 2000.



HYDRAULIC TANK BREATHER

[AT101565](#)

Interval (hrs) - 2000.



FUEL TANK BREATHER

[H216169](#)

Interval (hrs) - 1000.



DIESEL EXHAUST FLUID (DEF) TANK BREATHER

[H216169](#)

Interval (hrs) - 4000.



HYDRAULIC OIL FILTER

[AT367840](#)

Interval (hrs) - 2000.



TRANSMISSION OIL FILTER

[AT335492](#)

Interval (hrs) - 2000.



DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER AND BAFFLE

[AT502964](#)

Interval (hrs) - 4000.



AXLE OIL FILTER

[AT335492](#)

Interval (hrs) - 2000.



AUXILIARY FUEL FILTER ELEMENT (IF EQUIPPED)

[AT365869](#)

Interval (hrs) - 500.



REAR AXLE BREATHER

[AT101565](#)

Interval (hrs) - 2000.



ENGINE OIL FILTER

[DZ118283](#)

Interval (hrs) - 500.



PRIMARY AIR FILTER ELEMENT

[AT311066](#)

Interval (hrs) - As Required.



SECONDARY AIR FILTER ELEMENT

[AT311067](#)

Interval (hrs) - As Required.



PRIMARY FUEL FILTER ELEMENT

[RE539465](#)

Interval (hrs) - 500.



FINAL FUEL FILTER ELEMENT

[DZ112918](#)

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)

[RE563694](#)

Interval (hrs) - As Required.



FAST FILL FUEL BREATHER FILTER (IF EQUIPPED)

[T225008](#)

Interval (hrs) - 1000.



ENGINE ROCKER ARM COVER GASKET






[R526607](#)

Interval (hrs) - 2000.



PARTS AND CAPACITIES INFORMATION

870G and 870GP Motor Grader (PIN: 1DW870G___F656526—678817)

Part Description	Part Number	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ² 	TY26674	27.0 L (7.1 gal)	500
John Deere Hydrau™ XR Hydraulic Oil ² 	TY27319	7.2 L (2.0 gal)	4000
John Deere Hy-Gard™ 6WD Hub Oil ² (if equipped) (each) 	TY6354	72.1 L (19.0 gal)	1000
John Deere Hy-Gard™ Transmission, Axle, Circle Gear Case, and Tandem Oil ² 	TY6354	72.1 L (19.0 gal)	2000
John Deere Cool-Gard™ II Pre-Mix 	TY26575	55.0 L (14.5 gal)	6000
Fluid Analysis Test Kits³			
Diesel Engine Oil	AT346594	1	250
Transmission Oil	AT346594	1	500
Axle Oil	AT346594	1	500
Tandem Oil	AT346594	2	500
Hydraulic Oil	AT346594	1	500
6WD Hub Oil (if equipped)	AT346594	2	500
Diesel Fuel	AT180344	1	500
Engine Coolant	TY26873	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 an authorized John Deere dealer.			

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 Hydrau is a trademark of Deere & Company
 Hy-Gard 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 Intervals

As Required	
<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"/> Replace starting fluid cylinder (if equipped)
<input type="checkbox"/> Clean battery compartment	<input type="checkbox"/> Replace in-line fuel strainer (S.N. —685716)
<input type="checkbox"/> Replace cab fresh air and cab recirculation filters	<input type="checkbox"/> Drain fuel tank sump
<input type="checkbox"/> Lubricate circle pinion	<input type="checkbox"/> Drain primary fuel filter and water separator
<input type="checkbox"/> Check tire pressure	<input type="checkbox"/> Drain auxiliary fuel filter and water separator (if equipped)
<input type="checkbox"/> Check blade circle and draft frame wear inserts	<input type="checkbox"/> Clean camera lens (if equipped)
<input type="checkbox"/> Check blade lift cylinder sockets	<input type="checkbox"/> Transmission control unit (TCU) calibration
<input type="checkbox"/> Lubricate saddle locking pin holes	<input type="checkbox"/> 6WD controller calibration (if equipped)
<input type="checkbox"/> Blade side shift wear insert adjustment	<input type="checkbox"/> Cross slope sensors calibration (if equipped)
<input type="checkbox"/> Inspect accessory belt and belt tensioner spring	<input type="checkbox"/> Hydraulic valves calibration (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 battery electrolyte level and terminals	<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 tandem oil level	<input type="checkbox"/> Replace primary fuel filter and water separator
<input type="checkbox"/> Check axle 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"/> Lubricate tandem pivots	<input type="checkbox"/> Take axle oil sample
<input type="checkbox"/> Check circle gear case oil level	<input type="checkbox"/> Take tandem oil sample
<input type="checkbox"/> Check brake accumulator	<input type="checkbox"/> Take 6WD hub oil sample (if equipped)
<input type="checkbox"/> Replace final fuel filter	<input type="checkbox"/> Take engine coolant sample
<input type="checkbox"/> Check 6WD hub oil level (if equipped)	<input type="checkbox"/> Take diesel fuel sample

Service Intervals

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	<input type="checkbox"/> Check and adjust engine valve lash
<input type="checkbox"/> Clean engine crankcase ventilation tube	
Every 4000 Hours	
<input type="checkbox"/> Drain and refill hydraulic tank oil	<input type="checkbox"/> Drain and refill tandem oil
<input type="checkbox"/> Drain and refill hydraulic tank oil (quick service) (if equipped)	<input type="checkbox"/> Clean transmission pump inlet screen
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)