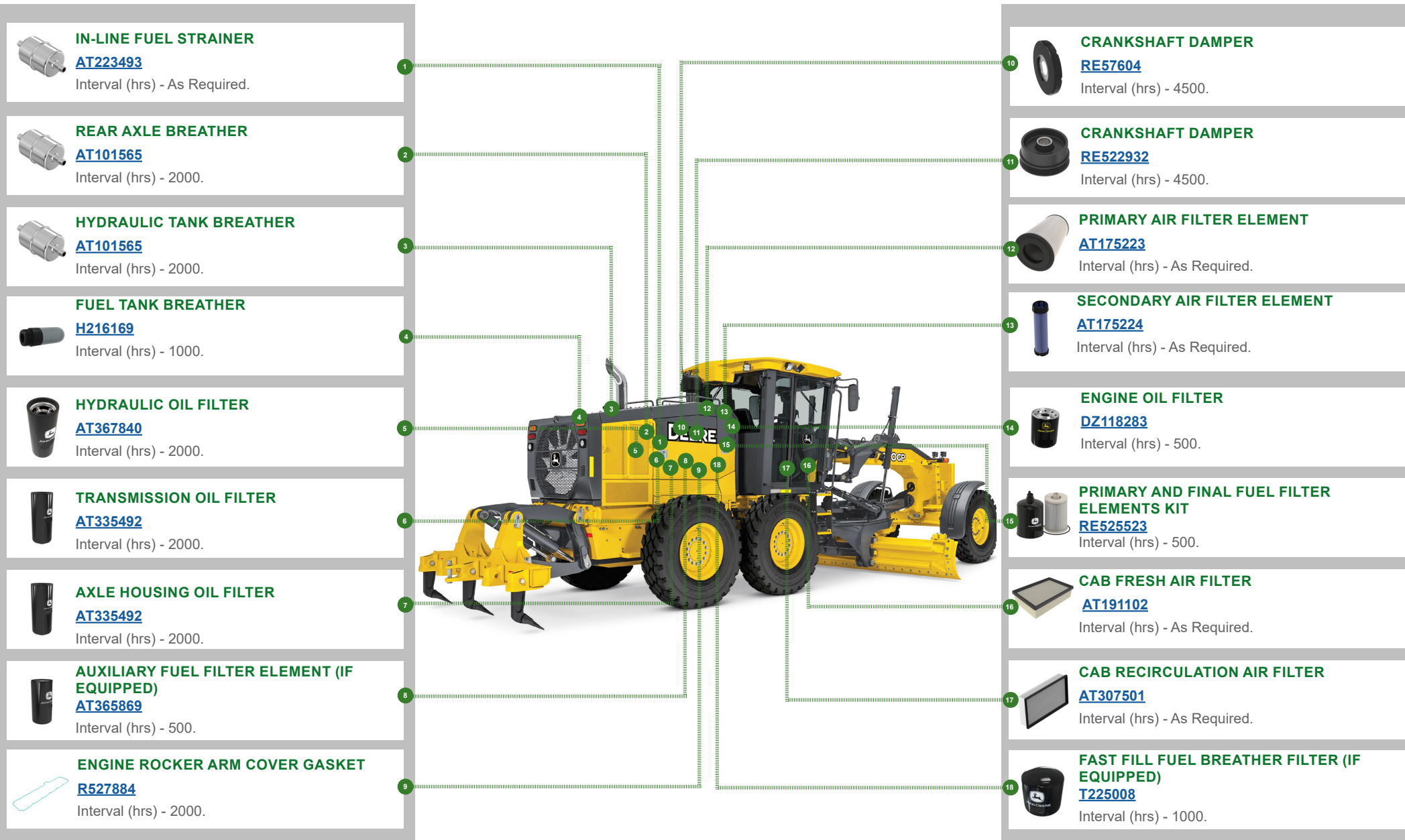


# REPLACEMENT PARTS GUIDE

770G and 770GP (PIN: 1DW770GX\_\_C656729—C678817) (PIN: 1DW770GX\_\_D656729—D678817)



**IN-LINE FUEL STRAINER**  
**AT223493**  
 Interval (hrs) - As Required.

**REAR AXLE BREATHER**  
**AT101565**  
 Interval (hrs) - 2000.

**HYDRAULIC TANK BREATHER**  
**AT101565**  
 Interval (hrs) - 2000.

**FUEL TANK BREATHER**  
**H216169**  
 Interval (hrs) - 1000.

**HYDRAULIC OIL FILTER**  
**AT367840**  
 Interval (hrs) - 2000.

**TRANSMISSION OIL FILTER**  
**AT335492**  
 Interval (hrs) - 2000.

**AXLE HOUSING OIL FILTER**  
**AT335492**  
 Interval (hrs) - 2000.

**AUXILIARY FUEL FILTER ELEMENT (IF EQUIPPED)**  
**AT365869**  
 Interval (hrs) - 500.

**ENGINE ROCKER ARM COVER GASKET**  
**R527884**  
 Interval (hrs) - 2000.

**CRANKSHAFT DAMPER**  
**RE57604**  
 Interval (hrs) - 4500.

**CRANKSHAFT DAMPER**  
**RE522932**  
 Interval (hrs) - 4500.

**PRIMARY AIR FILTER ELEMENT**  
**AT175223**  
 Interval (hrs) - As Required.

**SECONDARY AIR FILTER ELEMENT**  
**AT175224**  
 Interval (hrs) - As Required.

**ENGINE OIL FILTER**  
**DZ118283**  
 Interval (hrs) - 500.

**PRIMARY AND FINAL FUEL FILTER ELEMENTS KIT**  
**RE525523**  
 Interval (hrs) - 500.







**CAB FRESH AIR FILTER**  
**AT191102**  
 Interval (hrs) - As Required.

**CAB RECIRCULATION AIR FILTER**  
**AT307501**  
 Interval (hrs) - As Required.

**FAST FILL FUEL BREATHER FILTER (IF EQUIPPED)**  
**T225008**  
 Interval (hrs) - 1000.

# PARTS AND CAPACITIES INFORMATION

770G and 770GP (PIN: 1DW770GX\_\_C656729—C678817) (PIN: 1DW770GX\_\_D656729—D678817)

Part Description	Part Number	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil <sup>2</sup> 	<a href="#">TY26674</a>	27.0 L (7.1 gal)	500
John Deere Hy-Gard™ Oil 6WD Hub Oil <sup>2</sup> (if equipped) (each) 	<a href="#">TY6354</a>	7.2 L (2.0 gal)	1000
John Deere Hy-Gard™ Oil Transmission, Axle, Circle Gear Case, and Tandem Oil <sup>2</sup> 	<a href="#">TY6354</a>	72.1 L (19.0 gal)	2000
Hydrau™ XR Hydraulic Oil <sup>2</sup> 	<a href="#">TY27316</a>	53.0 L (14.0 gal)	4000
Coolant Extender 	<a href="#">TY26603</a>	As Required	As Required
John Deere Cool-Gard™ II Pre-Mix 	<a href="#">TY26575</a>	48.5 L (12.8 gal)	6000
<b>Fluid Analysis Test Kits<sup>3</sup></b>			
Engine Oil	<a href="#">AT346594</a>	1	250
Transmission Oil	<a href="#">AT346594</a>	1	500
Axle Oil	<a href="#">AT346594</a>	2	500
Tandem Oil	<a href="#">AT346594</a>	1	500
Hydraulic Oil	<a href="#">AT346594</a>	1	500
6WD Hub Oil (if equipped)	<a href="#">AT346594</a>	2	500
Diesel Fuel	<a href="#">AT180344</a>	1	500
Engine Coolant	<a href="#">TY26873</a>	1	500
COOL-GARD™ II Test Strips	<a href="#">TY26605</a>	1	1000

<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.

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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



## Service Interval

As Required	
<input type="checkbox"/> Clean cooler cores	<input type="checkbox"/> Drain fuel tank sump
<input type="checkbox"/> Clean and tighten battery terminals	<input type="checkbox"/> Drain primary fuel filter and water separator
<input type="checkbox"/> Clean or 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	<input type="checkbox"/> Replace in-line fuel strainer
<input type="checkbox"/> Check tire pressure	<input type="checkbox"/> Check rear camera—if equipped
<input type="checkbox"/> Check blade circle and draft frame wear inserts	<input type="checkbox"/> Transmission control unit calibration
<input type="checkbox"/> Check blade lift cylinder sockets	<input type="checkbox"/> 6WD controller calibration—if equipped
<input type="checkbox"/> Lubricate saddle locking pin holes	<input type="checkbox"/> Cross slope sensors calibration—if equipped
<input type="checkbox"/> Blade side shift wear insert adjustment	<input type="checkbox"/> Hydraulic valves calibration—if equipped
<input type="checkbox"/> Inspect accessory belt and belt tensioner spring	<input type="checkbox"/> Replace starting fluid cylinder—if equipped
<input type="checkbox"/> Replace engine air intake filter elements	<input type="checkbox"/> Add coolant extender as indicated by COOL-GARD™ II test strips
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
Initial Service - 250 Hours <sup>1</sup>	
<input type="checkbox"/> Drain and refill engine break-in oil and replace filter	<input type="checkbox"/> Replace axle oil filter
<input type="checkbox"/> Drain and refill engine break-in oil (quick service)—if equipped	<input type="checkbox"/> Replace transmission oil filter
Every 250 Hours	
<input type="checkbox"/> Check battery electrolyte level	<input type="checkbox"/> Take engine oil sample
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"/> Check receiver-dryer moisture indicator—if equipped	<input type="checkbox"/> Take axle oil sample

## Service Interval

Every 500 Hours	
<input type="checkbox"/> Lubricate tandem pivots	<input type="checkbox"/> Take tandem oil sample
<input type="checkbox"/> Check circle gear case oil level	<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"/> Check 6WD hub oil level—if equipped	
Every 1000 Hours	
<input type="checkbox"/> Drain and refill 6WD hub oil—if equipped	<input type="checkbox"/> Check engine air intake hoses
<input type="checkbox"/> Adjust front wheel bearings—standard axle only	<input type="checkbox"/> Check coolant
<input type="checkbox"/> Replace fast fill fuel breather filter—if equipped	<input type="checkbox"/> Replace fuel tank breather
Every 2000 Hours	
<input type="checkbox"/> Drain and refill axle oil	<input type="checkbox"/> Clean engine crankcase ventilation tube
<input type="checkbox"/> Drain and refill transmission oil and clean transmission pump inlet screen	<input type="checkbox"/> Replace axle oil filter
<input type="checkbox"/> Drain and refill transmission oil (quick service)—if equipped	<input type="checkbox"/> Replace hydraulic oil filter
<input type="checkbox"/> Replace rear axle breather filter and hydraulic tank breather filter	<input type="checkbox"/> Replace transmission oil filter
<input type="checkbox"/> Drain and refill circle gear case oil	<input type="checkbox"/> Transmission control unit calibration
<input type="checkbox"/> Adjust engine valve lash (clearance)	
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	
Every 4500 Hours	
<input type="checkbox"/> Replace engine crankshaft damper	
Every 6000 Hours	
<input type="checkbox"/> Drain, flush, and refill engine cooling system	<input type="checkbox"/> Drain, flush, and refill engine cooling system (quick service)—if equipped
<sup>1</sup> Perform initial service once after the first 250 hours of operation.	
<i>COOL-GARD is a trademark of Deere &amp; Company Balderson is a trademark of Caterpillar Inc.</i>	
As Required	
<input type="checkbox"/> Inspect tires and check pressure	<input type="checkbox"/> Clean cooler cores
<input type="checkbox"/> Check wheel bolt/nut torque	<input type="checkbox"/> Check rear camera and radar object detection (ROD) system (if equipped)
<input type="checkbox"/> Inspect engine air cleaner elements	<input type="checkbox"/> Check windshield washer fluid level
<input type="checkbox"/> Inspect serpentine belt	<input type="checkbox"/> Drain water from primary fuel filter with water separator
<input type="checkbox"/> Replace fast fill fuel breather (if equipped)	<input type="checkbox"/> Check and clean or replace cab fresh air filter
<input type="checkbox"/> Service exhaust filter	<input type="checkbox"/> Check and clean or replace cab recirculating air filter
<input type="checkbox"/> Check and clean fuel sending unit pick-up screen	<input type="checkbox"/> Drain fuel tank
Every 10 Hours or Daily	
<input type="checkbox"/> Inspect outer pin seals	<input type="checkbox"/> Check hydraulic system oil level
<input type="checkbox"/> Check coolant level at surge tank	<input type="checkbox"/> Check transmission oil level
<input type="checkbox"/> Check engine oil level	
Every 100 Hours	
<input type="checkbox"/> Lubricate loader linkage and cylinder pivots	<input type="checkbox"/> Lubricate rear axle oscillating pivot



**JOHN DEERE**  
Genuine Parts and Service

## Service Interval

Every 250 Hours	
<input type="checkbox"/> Take engine oil sample	
Initial Service - 500 Hours <sup>1</sup>	
<input type="checkbox"/> Drain and refill front and rear axle oil	<input type="checkbox"/> Replace axle oil filters
Every 500 Hours	
<input type="checkbox"/> Check battery electrolyte level and terminals	<input type="checkbox"/> Check park brake oil level
<input type="checkbox"/> Check front and rear axle oil level	<input type="checkbox"/> Lubricate driveline upper and lower sliding joints and lower U-joints
<input type="checkbox"/> Check air intake hoses and charge air cooler tube couplings	<input type="checkbox"/> Take engine coolant sample
<input type="checkbox"/> Drain and refill engine oil and replace filter	<input type="checkbox"/> Take transmission oil sample
<input type="checkbox"/> Replace fast fill fuel breather (if equipped)	<input type="checkbox"/> Take hydraulic oil sample
<input type="checkbox"/> Replace primary fuel filter	<input type="checkbox"/> Take axle oil sample
<input type="checkbox"/> Replace final fuel filter	<input type="checkbox"/> Take diesel fuel sample
<input type="checkbox"/> Replace hydraulic reservoir breather	<input type="checkbox"/> Check ride control accumulator
<input type="checkbox"/> Lubricate front and rear shaft seals on park brake	
Every 1000 Hours	
<input type="checkbox"/> Replace engine air cleaner elements	<input type="checkbox"/> Clean hydraulic fan drive case drain in-line screen
<input type="checkbox"/> Lubricate frame hinge pivots	<input type="checkbox"/> Replace fuel tank breather
<input type="checkbox"/> Drain and refill park brake oil	<input type="checkbox"/> Check coolant condition
<input type="checkbox"/> Replace axle oil filters	
Every 2000 Hours	
<input type="checkbox"/> Replace outer pin seals	<input type="checkbox"/> Drain and refill transmission oil and replace filter
<input type="checkbox"/> Check and adjust engine valve lash	<input type="checkbox"/> Drain and refill front and rear axle oil
<input type="checkbox"/> Rerun transmission clutch calibration (cab monitor)	<input type="checkbox"/> Check and adjust injector preload
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) dosing unit filter	
Every 4000 Hours	
<input type="checkbox"/> Clean hydraulic pump case drain in-line screen	<input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank
<input type="checkbox"/> Clean hydraulic system fill strainer	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) tank header suction
<input type="checkbox"/> Replace hydraulic system return filter	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) tank breather filter
<input type="checkbox"/> Drain, flush, and refill hydraulic system oil	<input type="checkbox"/> Inspect diesel exhaust fluid (DEF) tank baffle
Every 5000 Hours	
<input type="checkbox"/> Check driveline damper for cracks	
Every 6000 Hours	
<input type="checkbox"/> Drain and refill cooling system	