

REPLACEMENT PARTS GUIDE

770G and 770GP Motor Grader (PIN: 1DW770G__F680878—) / (PIN: 1DW770G__L700954—)



REAR AXLE BREATHER
[AT101565](#)
 Interval (hrs) - 2000.

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.

DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER AND BAFFLE
[AT502964](#)
 Interval (hrs) - 4000.

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

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

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

ENGINE OIL FILTER
[DZ118283](#)
 Interval (hrs) - 500.

PRIMARY FUEL FILTER ELEMENT
[RE539465](#)
 Interval (hrs) - 500.

PRIMARY AIR FILTER ELEMENT
[AT311066](#)
 Interval (hrs) - As Required.

SECONDARY AIR FILTER ELEMENT
[AT311067](#)
 Interval (hrs) - As Required.

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.

ENGINE ROCKER ARM COVER GASKET
[R526607](#)
 Interval (hrs) - 2000.

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

AUXILIARY FUEL FILTER ELEMENT (IF EQUIPPED)
[AT365869](#)
 Interval (hrs) - 500.



PARTS AND CAPACITIES INFORMATION

770G and 770GP Motor Grader (PIN: 1DW770G___F680878—) / (PIN: 1DW770G___L700954—)

Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ²	28.4 L (7.5 gal)	500
John Deere Hydrau™ XR Hydraulic Oil ²	60.5 L (16.0 gal)	4000
John Deere Hy-Gard™6WD Hub Oil ² (if equipped) (each)	7.2 L (1.9 gal)	1000
John Deere Hy-Gard™ Transmission, Axle, Circle Gear Case, and Tandem Oil ²	66.4 L (17.5 gal)	2000
John Deere Hy-Gard™ Circle Gear Case Oil ² (standard circle)	5.7 L (1.5 gal)	2000
John Deere Hy-Gard™ Circle Gear Case Oil ² (premium circle)	6.4 L (1.7 gal)	4000
John Deere Cool-Gard™ II Pre-Mix	55.0 L (14.5 gal)	6000
Fluid Analysis Test Kits ³		
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
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.		

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
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 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)	

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 (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)
¹ Perform initial service once after the first 500 hours of operation.	