

REPLACEMENT PARTS GUIDE

748L-II Skidder (PIN: 1DW748L___F690814—)



**DIESEL PARTICULATE FILTER
(COMPONENT OF EXHAUST FILTER)**
[RE559541](#)

Interval (hrs) - As Required.

HYDRAULIC RESERVOIR BREATHER FILTER
[AT421408](#)

Interval (hrs) - 4000.

HYDRAULIC SYSTEM OIL FILTER ELEMENT
[F061786](#)

Interval (hrs) - 4000.

ENGINE OIL FILTER (6.8 L ENGINES)
[RE539279](#)

Interval (hrs) - 500.

**AUXILIARY FUEL FILTER ELEMENT
(6.8 L ENGINE ONLY)**
[AT365870](#)

Interval (hrs) - 500.

PRIMARY FUEL FILTER (9.0 L ENGINES)
[RE539465](#)

Interval (hrs) - 500.

CAB FRESH AIR FILTER ELEMENT
[AT191102](#)

Interval (hrs) - As Required.

AXLE OIL FILTER ELEMENTS
[AT367635](#)

Interval (hrs) - 1000.

CAB RECIRCULATING AIR FILTER ELEMENT
[AT307501](#)

Interval (hrs) - As Required.

**PRIMARY AND FINAL FUEL FILTER KIT
(6.8 L ENGINES)**
[RE556406](#)

Interval (hrs) - 500.

**DIESEL EXHAUST FLUID (DEF) DOSING UNIT
FILTER**
[RE554498](#)

Interval (hrs) - 4000.

**DIESEL EXHAUST FLUID (DEF) TANK
BREATHING FILTER**
[H216169](#)

Interval (hrs) - 2000.

FINAL FUEL FILTER (9.0 L ENGINES)
[RE533910](#)

Interval (hrs) - 500.

**OPEN CRANKCASE VENTILATION (OCV)
FILTER (640L-II AND 648L-II)**
[RE540710](#)

Interval (hrs) - 1500.



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OPEN CRANKCASE VENTILATION (OCV) FILTER (748L-II)
RE553703

Interval (hrs) - 1500.



ENGINE OIL FILTER ELEMENT (9.0 L ENGINES ONLY)
DZ101884

Interval (hrs) - 500.



PRIMARY TRANSMISSION OIL FILTER
AT468647

Interval (hrs) - 2000.



ENGINE ROCKER ARM COVER GASKET (6.8 L ENGINES)
R528743

Interval (hrs) - 2000.



SECONDARY TRANSMISSION OIL FILTER
T436566

Interval (hrs) - 4000.



PRIMARY AIR FILTER (6.8 L ENGINES ONLY)
AT223226

Interval (hrs) - As Required.



DIESEL EXHAUST FLUID (DEF) TANK BREATHER FILTER
H216169

Interval (hrs) - 4000.



ENGINE DRIVE SHAFT (640L AND 648L ONLY)
AT440747

Interval (hrs) - 10000.



ENGINE DRIVE SHAFT (748L, 848L, AND 948L ONLY)
AT440739

Interval (hrs) - 10000.



AUXILIARY FUEL FILTER ELEMENT (9.0 L ENGINES ONLY)
AT365869

Interval (hrs) - 500.



ENGINE ROCKER ARM COVER GASKET (9.0 L ENGINES)
R526607

Interval (hrs) - 2000.



DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER AND BAFFLE
AT484544

Interval (hrs) - 4000.



SECONDARY AIR FILTER (6.8 L ENGINES ONLY)
AT175224

Interval (hrs) - As Required.



DUST UNLOADER VALVE
T158495

Interval (hrs) - As Required.













JOHN DEERE
Genuine Parts and Service

CLICK PART NUMBER TO BUY

*See operator's manual for additional details

OILS AND CAPACITIES INFORMATION

748L-II Skidder (PIN: 1DW748L__F690814—)

Part Description	Part Number	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ³ 	TY26669	28.5 L (7.5 gal)	500
John Deere Hy-Gard™ Oil3: Front Axle Oil—1400 Series 	TY6354	31.0 L (8.2 gal)	2000
John Deere Hy-Gard™ Oil3: Rear Axle Oil—1400 Series 	TY6354	32.0 L (8.5 gal)	2000
John Deere Hy-Gard™ Oil3: Front Axle Oil—SWEDA 	TY6354	31.4 L (8.3 gal)	2000
John Deere Hy-Gard™ Oil3: Rear Axle Oil—SWEDA 	TY6354	32.4 L (8.6 gal)	2000
John Deere Hy-Gard™ Oil3: Front Axle Oil—1700 Series 	TY6354	106.0 L (28.0 gal)	2000
John Deere Hy-Gard™ Oil3: Rear Axle Oil—1700 Series 	TY6354	107.0 L (28.3 gal)	2000
John Deere Hy-Gard™ Oil3: Park Brake Oil 	TY6354	0.8 L (27.0 floz)	1000
John Deere Hy-Gard™ Oil3: Transmission Oil 	TY6354	57.0 L (15.1 gal)	2000
John Deere Hydrau™ Oil3: Hydraulic System 	TY27367	123.6 L (32.7 gal)	4000
John Deere Hydrau™ Oil3: Winch Oil—4000 Series (if equipped) 	TY27367	35.2 L (9.3 gal)	4000
John Deere Hydrau™ Oil3: Winch Oil—6000 Series (if equipped) 	TY27367	45.5 L (12.0 gal)	4000
John Deere Cool-Gard™ II Premix (6.8 L engines) 	TY26575	36.4 L (9.6 gal)	6000
John Deere Cool-Gard™ II Premix (9.0 L engines) 	TY26575	41.7 L (11.0 gal)	6000

OILS AND CAPACITIES INFORMATION

748L-II Skidder (PIN: 1DW748L__ _F690814—)

Part Description	Part Number	Qty or capacity	Change Interval In Hours
Fluid Analysis Test Kits⁴			
Diesel Engine Oil	AT346594	1	250
Transmission Oil	AT346594	1	500
Hydraulic Oil	AT346594	1	500
Axle Oil	AT346594	2	500
Park Brake Oil	AT346594	1	500
Diesel Fuel	TY27329	1	500
Winch Gear Case Oil (if equipped)	AR69444	1	500
Engine Coolant	TY27787	1	500

³ See operator's manual for recommended oil type and oil viscosities based on operating temperatures.

⁴ Based on fluid analysis results, intervals may need to be adjusted for operating conditions. Consult an authorized John Deere dealer.

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Hy-Gard is a trademark of Deere & Company

Cool-Gard is a trademark of Deere & Company

Service Intervals

As Required	
<input type="checkbox"/> Clean cooler cores	<input type="checkbox"/> Fill and charge pressurized water system (if equipped)
<input type="checkbox"/> Inspect accessory drive belt	<input type="checkbox"/> Check fire extinguisher charge
<input type="checkbox"/> Replace engine air cleaner elements	<input type="checkbox"/> Lubricate cab door hinges
<input type="checkbox"/> Check tire pressure	<input type="checkbox"/> Check cab recirculating air filter
<input type="checkbox"/> Check wheel bolt torque	<input type="checkbox"/> Check cab fresh air filter
<input type="checkbox"/> Clean fuel tank inlet screen	<input type="checkbox"/> Service exhaust filter
Every 10 Hours or Daily	
<input type="checkbox"/> Check engine coolant level	<input type="checkbox"/> Clean engine air intake precleaner screen
<input type="checkbox"/> Check engine oil level	<input type="checkbox"/> Check and clean engine air intake precleaner dust unloader valve
<input type="checkbox"/> Check transmission oil level	<input type="checkbox"/> Lubricate articulation points
<input type="checkbox"/> Check hydraulic system oil level	<input type="checkbox"/> Lubricate yoke and cross head (grapple skidders only)
<input type="checkbox"/> Check diesel exhaust fluid (DEF) level	<input type="checkbox"/> Lubricate tong linkage and cylinder pivots (grapple skidders only)
<input type="checkbox"/> Check and drain primary fuel filter and water separator	<input type="checkbox"/> Lubricate arch/boom linkage and cylinder pivots (grapple skidders only)
<input type="checkbox"/> Check and drain auxiliary fuel filter and water separator	<input type="checkbox"/> Lubricate winch fairlead rollers (cable skidders only)
Every 100 Hours	
<input type="checkbox"/> Lubricate rear axle pinion seal and park brake seals	<input type="checkbox"/> Lubricate blade and cylinder pivots
<input type="checkbox"/> Lubricate front axle pivots, pinion seal, and hydraulic steering cylinder pins	<input type="checkbox"/> Lubricate winch fairlead rollers (if equipped, grapple skidders only)
Every 250 Hours	
<input type="checkbox"/> Take engine oil sample	
Initial Service—500 Hours	
<input type="checkbox"/> Drain and refill axle oil	<input type="checkbox"/> Replace axle oil filters
Every 500 Hours	
<input type="checkbox"/> Drain and refill engine oil and replace filter	<input type="checkbox"/> Check engine air intake hoses
<input type="checkbox"/> Replace primary fuel filter and water separator	<input type="checkbox"/> Take transmission oil sample
<input type="checkbox"/> Replace auxiliary fuel filter and water separator	<input type="checkbox"/> Take hydraulic oil sample
<input type="checkbox"/> Replace final fuel filter	<input type="checkbox"/> Take axle oil sample
<input type="checkbox"/> Check axle oil level	<input type="checkbox"/> Take park brake oil sample
<input type="checkbox"/> Check park brake oil level	<input type="checkbox"/> Take engine coolant sample
<input type="checkbox"/> Lubricate front, rear, and articulation drive shafts	<input type="checkbox"/> Take diesel fuel sample
<input type="checkbox"/> Adjust grapple damper (grapple skidders only)	<input type="checkbox"/> Take winch gear case oil sample (if equipped)
<input type="checkbox"/> Check open crankcase ventilation (OCV) system	
Every 1000 Hours	
<input type="checkbox"/> Drain and refill park brake oil	<input type="checkbox"/> Lubricate grapple rotate bearing (grapple skidders only)
<input type="checkbox"/> Replace axle oil filters	<input type="checkbox"/> Check coolant condition
Every 1500 Hours	
<input type="checkbox"/> Replace open crankcase ventilation (OCV) filter (640L-II, 648L-II, and 748L-II only)	

Service Intervals

Initial Service—2000 Hours	
<input type="checkbox"/> Replace hydraulic system oil filter	
Every 2000 Hours	
<input type="checkbox"/> Drain and refill transmission oil and replace primary transmission oil filter	<input type="checkbox"/> Check and adjust engine valve lash
<input type="checkbox"/> Drain and refill axle oil	<input type="checkbox"/> Inspect sun gear (1700 series axles equipped with large duals only)
<input type="checkbox"/> Replace fuel tank breather	
Every 4000 Hours	
<input type="checkbox"/> Drain and refill hydraulic system oil	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) dosing unit filter
<input type="checkbox"/> Replace hydraulic system oil filter	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) tank breather filter
<input type="checkbox"/> Replace hydraulic reservoir breather filter	<input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank
<input type="checkbox"/> Drain and refill winch oil (if equipped)	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) header suction filter and baffle
<input type="checkbox"/> Replace secondary transmission oil filter	
Every 6000 Hours	
<input type="checkbox"/> Drain and refill engine cooling system	
Every 10 000 Hours	
<input type="checkbox"/> Replace engine drive shaft	