

REPLACEMENT PARTS GUIDE

748L Skidder (PIN: 1DW748L__F666893)



HYDRAULIC RESERVOIR BREATHER FILTER
[AT421408](#)
 Interval (hrs) - 4000.

DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER
[DZ114640](#)
 Interval (hrs) - 2000.

DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER
[DZ103739](#)
 Interval (hrs) - 2000.

DIESEL PARTICULATE FILTER (DPF)
[RE559541](#)
 Interval (hrs) - As Required..

ENGINE ROCKER ARM COVER GASKET (9.0 L ENGINES ONLY)
[R528743](#)
 Interval (hrs) - 2000.

ENGINE ROCKER ARM COVER GASKET (6.8 L ENGINES ONLY)
[R526607](#)
 Interval (hrs) - 2000.



HYDRAULIC SYSTEM OIL FILTER ELEMENT
[F061786](#)
 Interval (hrs) - 4000.

PRIMARY AIR FILTER (6.8 L ENGINES ONLY)
[AT223226](#)
 Interval (hrs) - As Required.

SECONDARY AIR FILTER (6.8 L ENGINES ONLY)
[AT175224](#)
 Interval (hrs) - As Required.

OPEN CRANKCASE VENTILATION (OCV) FILTER, (6.8 L ENGINES ONLY)—748L
[RE553703](#)
 Interval (hrs) - 1500.

AUXILIARY FUEL FILTER ELEMENT (9.0 L ENGINES ONLY)
[AT365869](#)
 Interval (hrs) - 500.

DIESEL EXHAUST FLUID (DEF) TANK BREATHER FILTER
[H216169](#)
 Interval (hrs) - 4000.

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CAB RECIRCULATING AIR FILTER ELEMENT

[AT307501](#)

Interval (hrs) - As Required.

CAB FRESH AIR FILTER ELEMENT

[AT191102](#)

Interval (hrs) - As Required.

PRIMARY TRANSMISSION OIL FILTER

[AT468647](#)

Interval (hrs) - 2000.

SECONDARY TRANSMISSION OIL FILTER

[T436566](#)

Interval (hrs) - 4000.

AXLE OIL FILTER ELEMENT

[AT367635](#)

Interval (hrs) - 1000.

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

[AT440739](#)

Interval (hrs) - 10000.



AUXILIARY FUEL FILTER ELEMENT (6.8 L ENGINE ONLY)

[AT365870](#)

Interval (hrs) - 500.

PRIMARY AND FINAL FUEL FILTER ELEMENT KIT (9.0 L ENGINES ONLY)

[RE556406](#)

Interval (hrs) - 500.

PRIMARY FUEL FILTER ELEMENT (9.0 L ENGINES ONLY)

[RE539465](#)

Interval (hrs) - 500.

FINAL FUEL FILTER ELEMENT (9.0 L ENGINES ONLY)

[DZ112918](#)

Interval (hrs) - 500.

DUST UNLOADER VALVE

[T158495](#)

Interval (hrs) - As Required.

ENGINE OIL FILTER ELEMENT (6.8 L ENGINES ONLY)

[RE539279](#)

Interval (hrs) - 500.















ENGINE OIL FILTER ELEMENT (9.0 L ENGINES ONLY)

[DZ118283](#)

Interval (hrs) - 500.

OILS AND CAPACITIES INFORMATION

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

OILS AND CAPACITIES INFORMATION

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Part Description	Part Number	Qty or capacity	Change Interval In Hours
Fluid Analysis 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	AT180344	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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Cool-Gard is a trademark of Deere & Company

Service Intervals

As Required	
• Clean cooler cores	• Check fire extinguisher charge
• Inspect accessory drive belt	• Lubricate cab door hinges
• Replace engine air cleaner elements	• Adjust grapple damper (grapple skidders only)
• Check tire pressure	• Check cab fresh air filter
• Check wheel bolt torque	• Check cab recirculating air filter
• Clean fuel tank inlet screen	• Service exhaust filter
• Fill and charge pressurized water system (if equipped)	
Every 10 Hours or Daily	
• Check engine coolant level	• Clean engine air intake precleaner screen
• Check engine oil level	• Check and clean engine air cleaner dust unloader valve
• Check transmission oil level	• Lubricate articulation points
• Check hydraulic system oil level	• Lubricate yoke and cross head (grapple skidders only)
• Check diesel exhaust fluid (DEF) level	• Lubricate tong linkage and cylinder pivots (grapple skidders only)
• Check and drain primary fuel filter and water separator	• Lubricate arch/boom linkage and cylinder pivots (grapple skidders only)
• Check and drain auxiliary fuel filter and water separator	• Lubricate winch fairlead rollers (cable skidders only)
Every 100 Hours	
• Lubricate rear axle pinion seal and park brake seals	• Lubricate blade and cylinder pivots
• Lubricate front axle pivots, pinion seal, and hydraulic steering cylinder pins	• Lubricate winch fairlead rollers (grapple skidders only)
Every 250 Hours	
• Take engine oil sample	
Initial Service—500 Hours	
• Drain and refill axle oil	• Replace axle oil filters
Every 500 Hours	
• Drain and refill engine oil and replace filter	• Check engine air intake hoses
• Replace primary fuel filter and water separator	• Take transmission oil sample
• Replace auxiliary fuel filter and water separator	• Take hydraulic oil sample
• Replace final fuel filter	• Take axle oil sample
• Check axle oil level	• Take park brake oil sample
• Check park brake oil level	• Take engine coolant sample
• Lubricate front, rear, and articulation drive shafts	• Take diesel fuel sample
• Check open crankcase vent (OCV) system	• Take winch gear case oil sample (if equipped)
Every 1000 Hours	
• Drain and refill park brake oil	• Lubricate grapple rotate bearing (grapple skidders only)
• Replace axle oil filters	• Check coolant condition
Every 1500 Hours	
• Replace open crankcase ventilation (OCV) filter (6.8 L engines only)	
Initial Service—2000 Hours	
• Replace hydraulic system oil filter	
Every 2000 Hours	
• Drain and refill transmission oil and replace primary transmission oil filter	• Replace diesel exhaust fluid (DEF) dosing unit filter
• Drain and refill axle oil	• Clean diesel exhaust fluid (DEF) tank (S.N. —XXXXXX)
• Check and adjust engine valve lash	• Replace diesel exhaust fluid (DEF) header suction filter (S.N. —XXXXXX)
• Inspect sun gear (1700 series axles equipped with large duals only)	
Every 4000 Hours	
• Drain and refill hydraulic system oil	• Drain and refill winch oil (if equipped)
• Replace hydraulic system oil filter	• Replace secondary transmission oil filter
• Replace hydraulic reservoir breather filter	• Replace diesel exhaust fluid (DEF) tank breather filter
• Clean diesel exhaust fluid (DEF) tank (S.N. XXXXXX—)	• Replace diesel exhaust fluid (DEF) header suction filter (S.N. XXXXXX—)
• Inspect diesel exhaust fluid (DEF) baffle (S.N. XXXXXX—)	
Every 6000 Hours	
• Drain and refill engine cooling system	
Every 10 000 Hours	
• Replace engine drive shaft	