




REPLACEMENT PARTS GUIDE


648L-II Skidder (PIN: 1DW648L__F690814—)




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

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

 **CAB RECIRCULATING AIR FILTER**
[AT307501](#)
Interval (hrs) - As Required.


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


 **PRIMARY FUEL FILTER (9.0 L ENGINES)**
[AT365869](#)
Interval (hrs) -500.


 **ENGINE DRIVE SHAFT
(640LAND 648L ONLY)**
[AT440747](#)
Interval (hrs) - 10000.





 **AXLE OIL FILTER**
[AT367635](#)
Interval (hrs) - 1000.


 **PRIMARY AND FINAL FUEL FILTER ELEMENT
KIT(9.0 L ENGINES ONLY)**
[RE525523](#)
Interval (hrs) - 500.

 **PRIMARY AND FINAL FUEL FILTER KIT (6.8 L
ENGINES)**
[RE541922](#)
Interval (hrs) - 500.

 **ENGINE CRANKSHAFT DAMPER
(9.0 L ENGINES ONLY)**
[RE508578](#)
Interval (hrs) - 4000.

 **ENGINE CRANKSHAFT
DAMPER (9.0 L ENGINES ONLY)**
[RE520465](#)
Interval (hrs) - 4000.

 **ENGINE CRANKSHAFT
DAMPER (9.0 L ENGINES ONLY)**
[RE57604](#)
Interval (hrs) - 4000.

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

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ENGINE ROCKER ARMCOVER GASKET (6.8 L ENGINES ONLY)

[R524497](#)

Interval (hrs) - 2000.

PRIMARY AIR FILTER (9.0 L ENGINES ONLY)

[AT308575](#)

Interval (hrs) - As required.

SECONDARY AIR FILTER (9.0L ENGINES ONLY)

[TT220747](#)

Interval (hrs) - As required.

DUST UNLOADER VALVE

[T158495](#)

Interval (hrs) - As required.

PRIMARY AIR FILTER (6.8 L ENGINES ONLY)

[AT223226](#)

Interval (hrs) - As required.

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

[AT440739](#)

Interval (hrs) - 10000 .

ENGINE ROCKER ARM COVER GASKET (9.0 L ENGINES ONLY)

[R527884](#)

Interval (hrs) - 2000.



SECONDARY TRANSMISSION OIL FILTER

[T436566](#)

Interval (hrs) - 4000.

AUXILIARY FUEL FILTER ELEMENT (6.8 L ENGINE ONLY)

[AT365870](#)

Interval (hrs) - 500.

ENGINE OIL FILTER ELEMENT (6.8 L ENGINES ONLY)

[RE504836](#)

Interval (hrs) - 500.

ENGINE OIL FILTER ELEMENT (9.0 L ENGINES ONLY)

[DZ101884](#)

Interval (hrs) - 500
















PRIMARY TRANSMISSION OIL FILTER

[AT468647](#)

Interval (hrs) - 2000.

OILS AND CAPACITIES INFORMATION

648L-II Skidder (PIN: 1DW648L__ _F690814—)

Part Description	Part Number	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil (6.8 L engines only) ³ 	TY26669	24.0 L (6.3 gal)	500
John Deere Plus-50™ II Engine Oil (9.0 L engines only) ³ 	TY26669	28.5 L (7.5 gal)	500
Front Axle Oil—14003 	TY6354	31.0 L (8.2 gal)	2000
Rear Axle Oil—14003 	TY6354	32.0 L (8.5 gal)	2000
Front Axle Oil—SWEDA ³ 	TY6354	31.4 L (8.3 gal)	2000
Rear Axle Oil—SWEDA ³ 	TY6354	32.4 L (8.6 gal)	2000
Front Axle Oil—1700 Series ³ 	TY6354	106.0 L (28.0 gal)	2000
Rear Axle Oil—1700 Series ³ 	TY6354	107.0 L (28.3 gal)	2000
Park Brake Oil ³ 	TY6354	0.8 L (27.0 floz)	1000
Transmission Oil ³ 	TY6354	57.0 L (15.1 gal)	2000
Hydraulic System Oil ³ 	TY27367	123.6 L (32.7 gal)	4000
Winch Oil—4000 Series (if equipped) ³ 	TY27367	35.2 L (9.3 gal)	4000
Winch Oil—6000 Series (if equipped) ³ 	TY27367	45.5 L (12.0 gal)	4000
John Deere Cool-Gard™ II Premix (6.8 L engines only) 	TY26575	31.4 L (8.3 gal)	6000
John Deere Cool-Gard™ II Premix (9.0 L engines only) 	TY26575	36.7 L (9.7 gal)	6000
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



JOHN DEERE

Genuine Parts and Service

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	
Every 10 Hours or Daily	
<input type="checkbox"/> Check engine coolant level	<input type="checkbox"/> Check and clean engine air intake precleaner dust unloader valve
<input type="checkbox"/> Check engine oil level	<input type="checkbox"/> Lubricate articulation points
<input type="checkbox"/> Check transmission oil level	<input type="checkbox"/> Lubricate yoke and cross head (grapple skidders only)
<input type="checkbox"/> Check hydraulic system oil 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)
<input type="checkbox"/> Clean engine air intake precleaner screen	
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"/> Remove and clean open crankcase ventilation (OCV) hose
<input type="checkbox"/> Inspect engine crankshaft damper (9.0 L engines only)	<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)	
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

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"/> Inspect engine crankshaft damper (6.8 L)	<input type="checkbox"/> Replace fuel tank breather
Every 4000 Hours	
<input type="checkbox"/> Drain and refill hydraulic system oil	<input type="checkbox"/> Drain and refill winch oil (if equipped)
<input type="checkbox"/> Replace hydraulic system oil filter	<input type="checkbox"/> Replace secondary transmission oil filter
<input type="checkbox"/> Replace hydraulic reservoir breather filter	<input type="checkbox"/> Replace engine crankshaft damper
Every 6000 Hours	
<input type="checkbox"/> Drain and refill engine cooling system	
Every 10 000 Hours	
<input type="checkbox"/> Replace engine drive shaft	



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Genuine Parts and Service