

REPLACEMENT PARTS GUIDE

640L-II Skidder (PIN: 1DW640L___F690814—)



CAB RECIRCULATION FILTER

[AT307501](#)

Interval (hrs) - As Required

HYDRAULIC RESERVOIR BREATHER FILTER

[AT421408](#)

Interval (hrs) - 4000

HYDRAULIC SYSTEM OIL FILTER

[F061786](#)

Interval (hrs) - 4000

CAB FRESH AIR FILTER

[AT191102](#)

Interval (hrs) - As Required

AUXILIARY FUEL FILTER (9.0 L ENGINES)

[AT365869](#)

Interval (hrs) - 500

PRIMARY FUEL FILTER (9.0 L ENGINES)

[RE539465](#)

Interval (hrs) - 500



DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER)

[RE559541](#)

Interval (hrs) - As Required

PRIMARY TRANSMISSION OIL FILTER

[AT468647](#)

Interval (hrs) - 2000

SECONDARY TRANSMISSION OIL FILTER

[T436566](#)

Interval (hrs) - 4000

ENGINE OIL FILTER (9.0 L ENGINES)

[DZ101884](#)

Interval (hrs) - 500

DUST UNLOADER VALVE

[T158495](#)

Interval (hrs) - As Required

ENGINE DRIVE SHAFT (640L-II AND 648L-II)

[AT440747](#)








Interval (hrs) - 10000











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	DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER RE554498 Interval (hrs) - 4000
	DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER AND BAFFLE AT484544 Interval (hrs) - 4000
	DIESEL EXHAUST FLUID (DEF) TANK BREATHER FILTER H216169 Interval (hrs) - 2000
	SECONDARY AIR CLEANER ELEMENT AT175224 Interval (hrs) - As Required
	FINAL FUEL FILTER (9.0 L ENGINES) RE533910 Interval (hrs) - 500
	PRIMARY AIR CLEANER ELEMENT AT223226 Interval (hrs) - As Required
	FUEL TANK BREATHER H216169 Interval (hrs) - 4000



	AXLE OIL FILTER AT367635 Interval (hrs) - 1000
	PRIMARY AND FINAL FUEL FILTER KIT (6.8 L ENGINES) RE556406 Interval (hrs) - 500
	OPEN CRANKCASE VENTILATION (OCV) FILTER (640L-II AND 648L-II) RE540710 Interval (hrs) - 1500
	AUXILIARY FUEL FILTER (6.8 L ENGINES) AT365870 Interval (hrs) - 500
	OPEN CRANKCASE VENTILATION (OCV) FILTER (748L-II) RE553703 Interval (hrs) - 1500
	ENGINE ROCKER ARM COVER GASKET (6.8 L ENGINES) R528743 Interval (hrs) - 2000
	ENGINE ROCKER ARM COVER GASKET (9.0 L ENGINES) R526607 Interval (hrs) - 2000
	ENGINE OIL FILTER (6.8 L ENGINES) RE539279 Interval (hrs) - 500



OILS AND CAPACITIES INFORMATION

640L-II Skidder (PIN: 1DW640L_ _ _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
Front Axle Oil—1400 Series	TY6354	31.0 L (8.2 gal)	2000
Rear Axle Oil—1400 Series	TY6354	32.0 L (8.5 gal)	2000
Front Axle Oil—SWEDA	TY6354	31.4 L (8.3 gal)	2000
Rear Axle Oil—SWEDA	TY6354	32.4 L (8.6 gal)	2000
Front Axle Oil—1700 Series	TY6354	106.0 L (28.0 gal)	2000
Rear Axle Oil—1700 Series	TY6354	107.0 L (28.3 gal)	2000
Park Brake Oil	TY6354	0.8 L (27.0 floz)	1000
Transmission Oil	TY6354	57.0 L (15.1 gal)	2000
Hydraulic System	TY27367	123.6 L (32.7 gal)	4000
Winch Oil—4000 Series (if equipped)	TY27367	35.2 L (9.3 gal)	4000
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

640L-II Skidder (PIN: 1DW640L_ _ _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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Hydrau is a trademark of Deere & Company

Hy-Gard is a trademark of Deere & Company

Cool-Gard is a trademark of Deere & Company



CLICK PART NUMBER TO BUY

*See operator's manual for additional details.

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	