

REPLACEMENT PARTS GUIDE

644L Hybrid (PIN: 1DW644L__ _F705243—)



	DIESEL EXHAUST FLUID (DEF) IN-LINE FILTER DZ124403 Interval (hrs) - 2000.
	OPEN CRANKCASE VENTILATION (OCV) FILTER RE553703 Interval (hrs) - 2000.
	ENGINE AIR FILTER ELEMENT—SECONDARY FILTER AT489303 Interval (hrs) - 1000.
	ENGINE AIR FILTER ELEMENT—PRIMARY FILTER AT489304 Interval (hrs) - 1000.
	FAST FILL FUEL BREATHER FILTER (IF EQUIPPED) T225008 Interval (hrs) :500
	HYDRAULIC RESERVOIR BREATHER FILTER AM39653 Interval (hrs) - 500.
	CAB RECIRCULATING FILTER AT307501 Interval (hrs) - As Required.
	CAB FRESH AIR FILTER AT191102 Interval (hrs) - As Required.
	DRIVELINE DAMPER AT367840 Interval (hrs) - As Required.
	OUTER PIN SEALS (IF EQUIPPED) AT341091 Interval (hrs) - 2000.
	HYDRAULIC SYSTEM RETURN FILTER AT335977 Interval (hrs) - 4000.



	DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER DZ114640 Interval (hrs) - 4000.
	ENGINE ROCKER ARM COVER GASKET R528743 Interval (hrs) - 2000.
	DIESEL EXHAUST FLUID (DEF) TANK BREATHER FILTER H216169 Interval (hrs):4000.
	IN-LINE FUEL FILTER AT489745 Interval (hrs) - 500.
	DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER) DZ104596 Interval (hrs) - As Required.
	ENGINE AIR CLEANER DUST UNLOADER VALVE T158495 Interval (hrs) - 1000.
	FUEL TANK BREATHER H216169 Interval (hrs) - 1000.
	PRIMARY FUEL FILTER DZ115391 Interval (hrs) - 500.
	FINAL FUEL FILTER DZ115392 Interval (hrs) - 500.
	ENGINE OIL FILTER RE539279 Interval (hrs) - 500.



OIL & CAPACITIES INFORMATION

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Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ⁵	28.0 L (7.4 gal)	500
John Deere Hy-Gard™ Transmission Oil ⁵	32.0 L (8.5 gal)	2000
John Deere Hy-Gard™ Axle Oil ⁵ (each)	22.0 L (5.8 gal)	2000
John Deere Hydrau™ Hydraulic System Oil ⁵	103.0 L (27.2gal)	4000
John Deere Cool-Gard™ II Pre-Mix—Engine Coolant	63.0 L (16.6 gal)	6000
John Deere Cool-Gard™ II Pre-Mix—Inverter Coolant	5.7 L (1.5 gal)	6000
Coolant Extender	As Required	

OIL & CAPACITIES INFORMATION

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Fluid Analysis Test Kits ⁶		
Part Description	Qty or capacity	Change Interval In Hours
Diesel Engine Oil	1	250 Hours
Transmission Oil	1	500 Hours
Axle Oil	2	500 Hours
Hydraulic Oil	1	500 Hours
Diesel Fuel	1	500 Hours
Engine Coolant	1	500 Hours
Inverter Coolant	1	500 Hours

⁵See operator's manual for recommended oil type and oil viscosities based on operating temperatures.
⁶Based on fluid analysis results, intervals may need to be adjusted for operating conditions. See 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"/> Check cab fresh air filter	<input type="checkbox"/> Inspect serpentine belt
<input type="checkbox"/> Check cab recirculation filter	<input type="checkbox"/> Clean cooler cores
<input type="checkbox"/> Check and clean precleaner housing (if equipped)	<input type="checkbox"/> Drain water from primary fuel filter with water separator
<input type="checkbox"/> Check and clean heating and air conditioning housing	<input type="checkbox"/> Service exhaust filter
<input type="checkbox"/> Inspect tires and check pressure	<input type="checkbox"/> Drain, flush, and refill fuel tank
<input type="checkbox"/> Check wheel bolt torque	<input type="checkbox"/> Lubricate cab door hinges
<input type="checkbox"/> Clean hydraulic pump case drain in-line screen	<input type="checkbox"/> Check windshield washer fluid level
<input type="checkbox"/> Inspect engine air cleaner elements	<input type="checkbox"/> Clean debris from around coupler lock cylinder (if equipped)
<input type="checkbox"/> Check rear camera and rear object detection (ROD) system (if equipped)	<input type="checkbox"/> Clean and tighten battery terminals
Every 10 Hours or Daily	
<input type="checkbox"/> Check coolant level at inverter surge tank	<input type="checkbox"/> Check hydraulic system oil level
<input type="checkbox"/> Clean air cleaner dust unloader valve	<input type="checkbox"/> Check transmission oil level
<input type="checkbox"/> Check coolant level at engine surge tank	<input type="checkbox"/> Inspect outer pin seals (if equipped)
<input type="checkbox"/> Check engine oil level	
Initial Service—100 Hours	
<input type="checkbox"/> Rerun transmission clutch calibration (cab monitor)	
Every 100 Hours	
<input type="checkbox"/> Lubricate loader linkage and cylinder pivots	<input type="checkbox"/> Lubricate coupler lock pins (if equipped)
Every 250 Hours	
<input type="checkbox"/> Take engine oil sample	
Initial Service—500 Hours	
<input type="checkbox"/> Drain and refill transmission oil and replace filter	<input type="checkbox"/> Replace axle oil filters
<input type="checkbox"/> Rerun transmission clutch calibration (cab monitor)	
Every 500 Hours	
<input type="checkbox"/> Lubricate driveline lower U-joints	<input type="checkbox"/> Replace final fuel filter
<input type="checkbox"/> Lubricate driveline upper and lower sliding joints	<input type="checkbox"/> Lubricate driveline support bearing
<input type="checkbox"/> Lubricate front and rear axle shaft seals	<input type="checkbox"/> Check ride control accumulator (if equipped)
<input type="checkbox"/> Check hybrid battery electrolyte level (if equipped)	<input type="checkbox"/> Take axle oil sample
<input type="checkbox"/> Replace hydraulic reservoir breather	<input type="checkbox"/> Take transmission oil sample
<input type="checkbox"/> Check front and rear axle oil level	<input type="checkbox"/> Take hydraulic oil sample
<input type="checkbox"/> Check air intake hoses and charge air cooler tube couplings	<input type="checkbox"/> Take diesel fuel sample
<input type="checkbox"/> Drain and refill engine oil and replace filter	<input type="checkbox"/> Take engine coolant sample
<input type="checkbox"/> Replace primary fuel filter element	<input type="checkbox"/> Take inverter coolant sample
<input type="checkbox"/> Replace in-line fuel strainer	
Every 1000 Hours	
<input type="checkbox"/> Check inverter coolant condition	<input type="checkbox"/> Check engine coolant condition
<input type="checkbox"/> Replace air cleaner dust unloader valve	<input type="checkbox"/> Replace axle oil filters
<input type="checkbox"/> Replace engine air cleaner elements	<input type="checkbox"/> Lubricate frame hinge pivots
<input type="checkbox"/> Replace fuel tank breather filter	



JOHN DEERE
Genuine Parts and Service

Service Intervals

Every 2000 Hours	
<input type="checkbox"/> Drain and refill transmission oil and replace filter	<input type="checkbox"/> Replace outer pin seals (if equipped)
<input type="checkbox"/> Replace open crankcase ventilation (OCV) filter	<input type="checkbox"/> Rerun transmission clutch calibration (cab monitor)
<input type="checkbox"/> Adjust engine valve lash	<input type="checkbox"/> Drain and refill front and rear axle oil
Every 4000 Hours	
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) tank breather filter	<input type="checkbox"/> Drain, flush, and refill hydraulic system oil
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) dosing unit filter	<input type="checkbox"/> Clean hydraulic system fill strainer
<input type="checkbox"/> Replace hydraulic system return filter	
Every 5000 Hours	
<input type="checkbox"/> Check driveline damper for cracks	
Every 6000 Hours	
<input type="checkbox"/> Drain and refill engine cooling system	<input type="checkbox"/> Drain and refill inverter cooling system
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) in-line filter	