

REPLACEMENT PARTS GUIDE

644K Loader (PIN: 1DW644K__E651322)



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ENGINE AIR FILTER ELEMENT—PRIMARY
[AT223226](#)
 Interval (hrs) - 1000.
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AIR CLEANER DUST UNLOADER VALVE
[T158495](#)
 Interval (hrs) - 1000.
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HYDRAULIC RESERVOIR BREATHER FILTER
[AM39653](#)
 Interval (hrs) - 500.
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OPEN CRANKCASE VENTILATION (OCV) FILTER
[DZ105100](#)
 Interval (hrs) - 2000.
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ENGINE AIR FILTER ELEMENT—SECONDARY
[AT175224](#)
 Interval (hrs) - 1000.
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DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER)
[RE541833](#)
 Interval (hrs) - As Required.
- 


TRANSMISSION OIL FILTER
[AT367840](#)
 Interval (hrs) - 2000.
- 


IN-LINE FUEL STRAINER
[AT223493](#)
 Interval (hrs) - 500.
- 


FUEL TANK BREATHER FILTER
[H216169](#)
 Interval (hrs) - 1000.
- 


AXLE OIL FILTERS (IF EQUIPPED)
[AT367635](#)
 Interval (hrs):1000





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


HYDRAULIC SYSTEM RETURN FILTER
[AT335977](#)
 Interval (hrs) - 4000.
- 


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


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


STEERING CYLINDER JOINT
[T277591](#)
 Interval (hrs) - As Required.
- 


OUTER PIN SEALS BUCKET LINK TO BELLCRANK JOINT
[AT330664](#)
 Interval (hrs) - As Required..
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BUCKET-TO-BUCKET LINK JOINT
[AT330664](#)
 Interval (hrs) - As Required.
- 

OUTER PIN SEALS BOOM-TO-BUCKET JOINT
[AT341091](#)
 Interval (hrs) - As Required.
- 

BUCKET-TO-BUCKET LINK JOINT
[AT341091](#)
 Interval (hrs) - As Required.
- 

FAST FILL FUEL BREATHER FILTER (IF EQUIPPED)
[T225008](#)
 Interval (hrs) - 500.
- 

FINAL FUEL FILTER
[RE522878](#)
 Interval (hrs) - 500.
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ENGINE OIL FILTER
[RE504836](#)
 Interval (hrs) - 500.



OIL & CAPACITIES INFORMATION

644K Loader (PIN: 1DW644K___E651322—)

Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil6	27.0 L (7.1 gal)	500
"John Deere Hy-Gard™ Transmission Oil6"	37.9 L (10.0 gal)	2000
John Deere Hy-Gard™ Axle Oil6 (each)	22.0 L (5.8 gal)	2000
John Deere Hydrau™ Hydraulic Oil6	106.0 L (28.0 gal)"	4000
"John Deere Cool-Gard™ II Pre-Mix—Engine Coolant"	54.9 L (14.5 gal)	6000
"John Deere Cool-Gard™ II Pre-Mix—Inverter Coolant "	5.7 L (1.5 gal)	6000
Coolant Extender	As Required	As Required

OIL & CAPACITIES INFORMATION

644K Loader (PIN: 1DW644K_ _ _E651322—)

Part Description	Qty or capacity	Change Interval In Hours
Fluid Analysis Test Kits⁷		
Diesel Engine Oil	1	250
Transmission Oil	1	500
Axle Oil	2	500
Hydraulic Oil	1	500
Diesel Fuel	1	500
Engine Coolant	1	500
Inverter Coolant	1	500
Cool-Gard™ II Test Strips	1	1000
<p>⁶See operator's manual for recommended oil type and oil viscosities based on operating temperatures.</p> <p>⁷Based on fluid analysis results, intervals may need to be adjusted for operating conditions. See an authorized John Deere dealer.</p>		

NeverGrease is a trademark of Deere & Company

Plus-50 is a trademark of Deere & Company

Hy-Gard is a trademark of Deere & Company

Hydrau is a trademark of Deere & Company

Cool-Gard is a trademark of Deere & Company

Service Intervals

As Required	
<input type="checkbox"/> Service exhaust filter	<input type="checkbox"/> Clean cooler cores
<input type="checkbox"/> Inspect tires and check pressure	<input type="checkbox"/> Check windshield washer fluid level
<input type="checkbox"/> Check wheel bolt torque	<input type="checkbox"/> Drain water from primary fuel filter
<input type="checkbox"/> Inspect engine air cleaner elements	<input type="checkbox"/> Check and clean or replace cab fresh air filter
<input type="checkbox"/> Replace fast fill fuel breather filter (if equipped)	<input type="checkbox"/> Check and clean or replace cab recirculating air filter
<input type="checkbox"/> Inspect serpentine belt	<input type="checkbox"/> Rerun transmission clutch calibration (cab monitor)
<input type="checkbox"/> Check inverter cooling system and add coolant extender as indicated by Cool-Gard™ II test strips	<input type="checkbox"/> Check engine cooling system and add coolant extender as indicated by Cool-Gard™ II test strips
<input type="checkbox"/> Check rear camera and rear object detection (ROD) system (if equipped)	
Every 10 Hours or Daily	
<input type="checkbox"/> Check coolant level in inverter surge tank	<input type="checkbox"/> Check hydraulic system oil level
<input type="checkbox"/> Check coolant level in engine surge tank	<input type="checkbox"/> Check transmission oil level
<input type="checkbox"/> Clean air cleaner dust unloader valve	<input type="checkbox"/> Inspect outer pin seals
<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 (unless NeverGrease™ equipped)	
Initial Service—250 Hours	
<input type="checkbox"/> Drain and refill front and rear axle oil	<input type="checkbox"/> Replace axle oil filters (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"/> Rerun transmission clutch calibration (cab monitor)
Every 500 Hours	
<input type="checkbox"/> Lubricate driveline sliding joints and U-joints	<input type="checkbox"/> Replace final fuel filter
<input type="checkbox"/> Check front and rear axle oil level	<input type="checkbox"/> Replace hydraulic reservoir breather filter
<input type="checkbox"/> Lubricate front and rear axle shaft seals	<input type="checkbox"/> Lubricate driveline support bearing
<input type="checkbox"/> Check battery water level and terminals	<input type="checkbox"/> Check ride control accumulator (if equipped)
<input type="checkbox"/> Check air intake hoses and charge air cooler tube couplings	<input type="checkbox"/> Take axle oil sample
<input type="checkbox"/> Replace fast fill fuel breather filter (if equipped)	<input type="checkbox"/> Take transmission oil sample
<input type="checkbox"/> Drain and refill engine oil and replace filter	<input type="checkbox"/> Take hydraulic oil sample
<input type="checkbox"/> Replace in-line fuel strainer	<input type="checkbox"/> Take diesel fuel sample
<input type="checkbox"/> Replace primary fuel filter	<input type="checkbox"/> Take engine and inverter coolant sample
Every 1000 Hours	
<input type="checkbox"/> Clean hydraulic fan drive case drain in-line screen	<input type="checkbox"/> Replace engine air cleaner elements
<input type="checkbox"/> Check coolant	<input type="checkbox"/> Replace axle oil filters (if equipped)
<input type="checkbox"/> Replace fuel tank breather filter	<input type="checkbox"/> Lubricate frame hinge pivots
<input type="checkbox"/> Replace air cleaner dust unloader valve	

Service Intervals

Every 2000 Hours	
<input type="checkbox"/> Drain and refill transmission oil and replace filter ⁴	<input type="checkbox"/> Rerun transmission clutch calibration (cab monitor)
<input type="checkbox"/> Drain and refill front and rear axle oil ⁵	<input type="checkbox"/> Replace outer pin seals
<input type="checkbox"/> Clean front and rear axle oil recirculation screens (if equipped)	<input type="checkbox"/> Replace open crankcase ventilation (OCV) filter
<input type="checkbox"/> Adjust engine valve lash (clearance)	
Every 4000 Hours	
<input type="checkbox"/> Clean hydraulic pump case drain in-line screen	<input type="checkbox"/> Drain, flush, and refill hydraulic system oil
<input type="checkbox"/> Replace hydraulic system return filter	<input type="checkbox"/> Clean hydraulic system fill strainer
Every 5000 Hours	
<input type="checkbox"/> Check driveline damper for cracks	
Every 6000 Hours	
<input type="checkbox"/> Drain and refill engine and inverter cooling systems	