









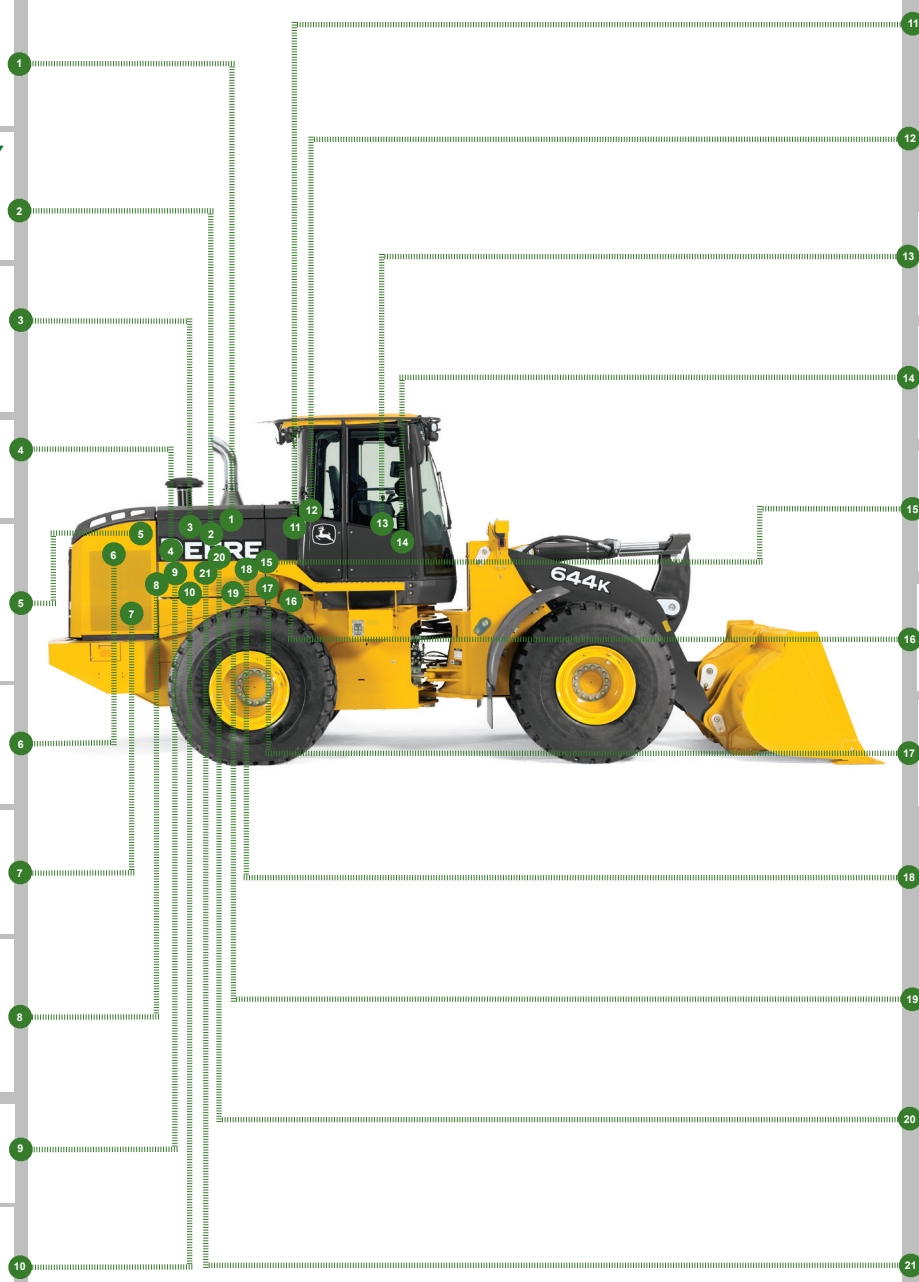













REPLACEMENT PARTS GUIDE

644K Loader (PIN: 1DW644K__F658218—)



	DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER) FOR 6090HDW19 RE563694 Interval (hrs) - As required.
	ENGINE AIR FILTER ELEMENT—PRIMARY AT223226 Interval (hrs) - 1000.
	DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER) FOR 6090HDW29 DZ100484 Interval (hrs) - As required.
	DUST UNLOADER VALVE (6068HDW83) T158495 Interval (hrs) :1000
	DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER AND BAFFLE (S.N. 675481—) AT502964 Interval (hrs) :4000
	Primary Fuel Filter RE539465 Interval (hrs) - 500.
	ENGINE AIR FILTER ELEMENT—SECONDARY AT175224 Interval (hrs) - 1000.
	DIESEL EXHAUST FLUID (DEF) HEADER SUCTION SCREEN AND BAFFLE (S.N. —675480) AT486844 Interval (hrs) - 2000
	TRANSMISSION OIL FILTER² AT468647 Interval (hrs) - 2000.
	FAST FILL FUEL BREATHER FILTER (IF EQUIPPED) T225008 Interval (hrs) - 500.



	ENGINE ROCKER ARM COVER GASKET R526607 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.
	FINAL FUEL FILTER RE522878 Interval (hrs) - 500.
	AXLE OIL FILTERS AH128449 Interval (hrs) - 1000
	FINAL FUEL FILTER DZ112918 Interval (hrs) - 500.
	DIESEL EXHAUST FLUID (DEF) TANK BREATHERFILTER H216169 Interval (hrs) - 4000.
	FUEL TANK BREATHER FILTER H216169 Interval (hrs) - 1000.
	DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER RE554498 Interval (hrs) - 500.
	ENGINE OIL FILTER DZ101884 Interval (hrs) - 500.



OIL & CAPACITIES INFORMATION

644K Loader (PIN: 1DW644K_ _ _F658218—)

Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ³	28.0 L (7.4 gal)	500
John Deere Hy-Gard™ Front Axle Oil ³	22.0 L (5.8 gal)	2000
John Deere Hy-Gard™ Rear Axle Oil ³	22.0 L (5.8 gal)	2000
John Deere Hy-Gard™ Park Brake Oil ³	600.0 mL (20.0 fl oz)	1000
John Deere Hy-Gard™ Transmission Oil ^{2, 3}	23.0 L (6.1 gal)	2000
John Deere Hydrau™ Hydraulic Oil ³	105.2 L (27.8 gal)	4000
John Deere Cool-Gard™ II Pre-Mix	45.5 L (12.0 gal)	6000

OIL & CAPACITIES INFORMATION

644K Loader (PIN: 1DW644K_ _ _F658218—)

Fluid Analysis Test Kits ⁴		
Part Description	Qty or capacity	Change Interval In Hours
Diesel Engine Oil	1	250
Transmission Oil	1	500
Park Brake And Axle Oil	3	500
Hydraulic Oil	1	500
Diesel Fuel	1	500
Engine Coolant	1	500

²Reduce service intervals to 1500 hours in severe applications, which run the torque converter at high loads for more than approximately 25% of the time

³See operator's manual for recommended oil type and oil viscosities based on operating temperatures.

⁴Based on fluid analysis results, intervals may need to be adjusted for operating conditions. Consult an authorized John Deere dealer.

Plus-50 is a trademark of Deere & Company
 Hydrau is a trademark of Deere & Company
 Hy-Gard is a trademark of Deere & Company
 Cool-Gard is a trademark of Deere & Company

Service Intervals

As Required	
<input type="checkbox"/> Check window washer fluid level	<input type="checkbox"/> Drain water from primary fuel filter with water separator
<input type="checkbox"/> Inspect tires and check pressure	<input type="checkbox"/> Service exhaust filter
<input type="checkbox"/> Check wheel bolt torque	<input type="checkbox"/> Drain, flush, and refill fuel tank
<input type="checkbox"/> Inspect engine air cleaner elements	<input type="checkbox"/> Clean fuel sending unit pickup screen
<input type="checkbox"/> Inspect air conditioner compressor and alternator belt	<input type="checkbox"/> Check and clean or replace cab fresh air filter
<input type="checkbox"/> Clean cooler cores	<input type="checkbox"/> Check and clean or replace cab recirculating air filter
<input type="checkbox"/> Check rear camera and radar object detection (ROD) system (if equipped)	
Every 10 Hours or Daily	
<input type="checkbox"/> Clean air cleaner dust unloader valve	<input type="checkbox"/> Check hydraulic system oil level
<input type="checkbox"/> Check coolant level at surge tank	<input type="checkbox"/> Check transmission oil level
<input type="checkbox"/> Check engine oil level	<input type="checkbox"/> Inspect outer pin seals (if equipped)
Initial Service—100 Hours	
<input type="checkbox"/> Replace axle oil filters	
Every 100 Hours	
<input type="checkbox"/> Lubricate loader linkage and cylinder pivots	
Every 250 Hours	
<input type="checkbox"/> Take engine oil sample	
Every 500 Hours	
<input type="checkbox"/> Lubricate driveline upper and lower sliding joints and lower U-joints	<input type="checkbox"/> Replace final fuel filter
<input type="checkbox"/> Check front and rear axle oil level	<input type="checkbox"/> Replace primary fuel filter
<input type="checkbox"/> Lubricate front and rear axle shaft seals	<input type="checkbox"/> Replace hydraulic reservoir breather filter
<input type="checkbox"/> Check battery electrolyte level and terminals	<input type="checkbox"/> Take transmission oil sample
<input type="checkbox"/> Check air intake hoses and charge air cooler tube couplings	<input type="checkbox"/> Take hydraulic oil sample
<input type="checkbox"/> Replace fast fill fuel breather filter (if equipped)	<input type="checkbox"/> Take axle oil sample
<input type="checkbox"/> Check park brake oil level	<input type="checkbox"/> Take park brake oil sample
<input type="checkbox"/> Check ride control accumulator (if equipped)	<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"/> Lubricate front and rear shaft seals on park brake	
Every 1000 Hours	
<input type="checkbox"/> Replace axle oil filters	<input type="checkbox"/> Check coolant condition
<input type="checkbox"/> Replace air cleaner dust unloader valve	<input type="checkbox"/> Clean hydraulic fan drive case drain in-line screen
<input type="checkbox"/> Replace engine air cleaner elements	<input type="checkbox"/> Lubricate frame hinge pivots
<input type="checkbox"/> Replace fuel tank breather filter	<input type="checkbox"/> Drain and refill park brake oil
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"/> Drain and refill front and rear axle oil	<input type="checkbox"/> Rerun transmission clutch calibration (cab monitor)
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) dosing unit filter	<input type="checkbox"/> Clean front and rear axle oil recirculation screens (if equipped)
<input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank (S.N. —675480)	<input type="checkbox"/> Check and adjust engine valve lash
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) header suction screen and baffle (S.N. —675480)	
Every 4000 Hours	
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) tank breather filter	<input type="checkbox"/> Clean hydraulic pump case drain in-line screen
<input type="checkbox"/> Replace hydraulic system return filter	<input type="checkbox"/> Clean hydraulic system fill strainer
<input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank (S.N. 675481—)	<input type="checkbox"/> Drain, flush, and refill hydraulic system oil
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) header suction filter and baffle (S.N. 675481—)	
Every 5000 Hours	
<input type="checkbox"/> Check driveline damper for cracks	
Every 6000 Hours	
<input type="checkbox"/> Drain and refill cooling system	