



REPLACEMENT PARTS GUIDE


544K-II Loader (PIN: 1DW544K__F677549—)


DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER
[RE554498](#)
 Interval (hrs) - 2000.




FINAL FUEL FILTER
[RE560681](#)
 Interval (hrs) - 500.




OPEN CRANKCASE VENTILATION (OCV) FILTER
[DZ105100](#)
 Interval (hrs) - 2000.




ENGINE AIR CLEANER ELEMENT—SECONDARY FILTER
[AT178517](#)
 Interval (hrs) -1000.




ENGINE AIR CLEANER ELEMENT—PRIMARY FILTER
[AT178516](#)
 Interval (hrs) - 1000



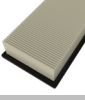
DIESEL EXHAUST FLUID (DEF) BAFFLE
[AT502964](#)
 Interval (hrs) - As Required.




HYDRAULIC RESERVOIR BREATHER FILTER
[AM39653](#)
 Interval (hrs) - 500.



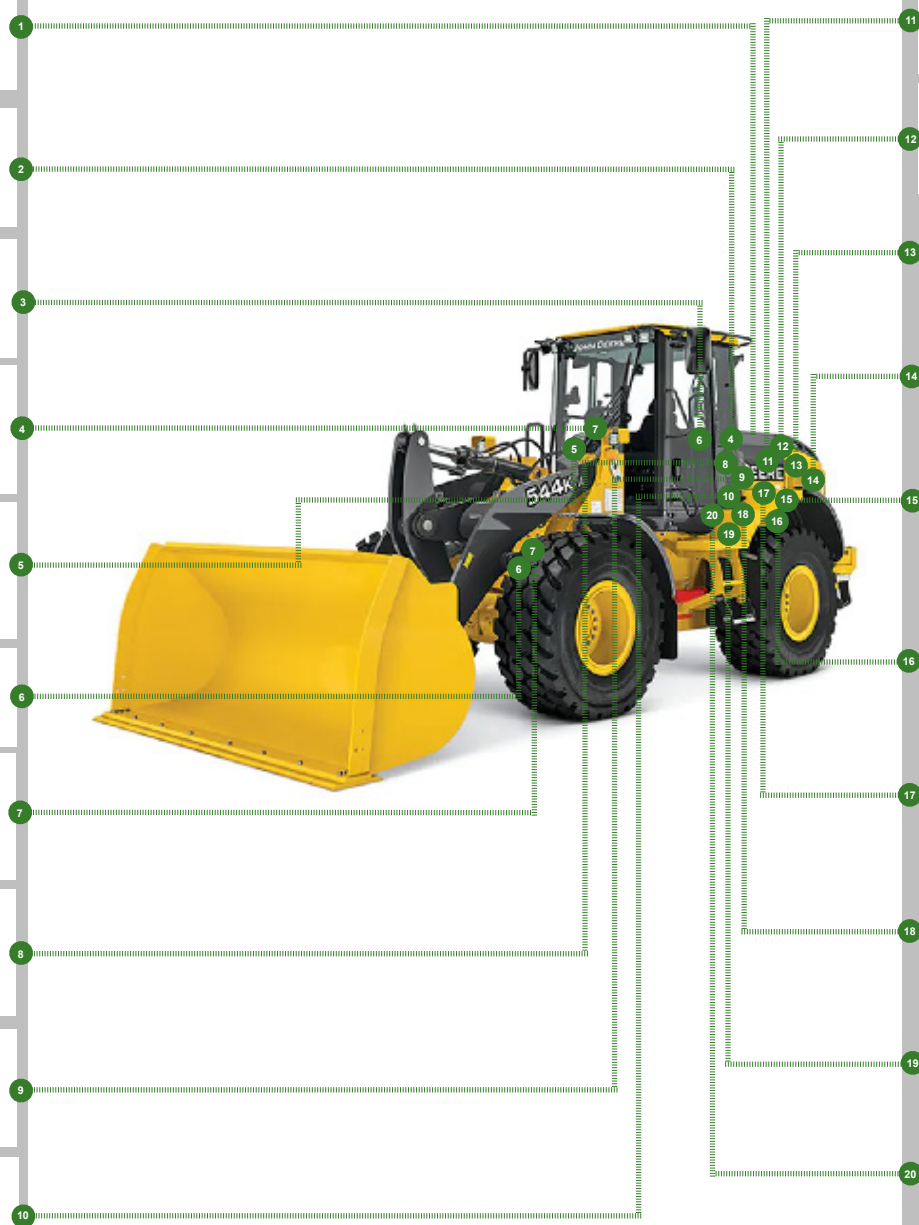

ENGINE OIL FILTER
[RE539279](#)
 Interval (hrs) - 500.




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




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


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



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




TRANSMISSION OIL FILTER²
[AT468647](#)
 Interval (hrs) - 2000.



DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER
[AT502963](#)
 Interval (hrs) - 4000.



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



DIESEL EXHAUST FLUID (DEF) TANK BREATHER FILTER
[H216169](#)
 Interval (hrs) - 4000.




DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER)
[RE565702](#)
 Interval (hrs) - As Required.



ENGINE AIR CLEANER DUST UNLOADER VALVE
[R48568](#)
 Interval (hrs) - 1000.



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



PRIMARY FUEL FILTER
[RE551507](#)
 Interval (hrs) - 500.



OIL & CAPACITIES INFORMATION

544K-II Loader (PIN: 1DW544K__F677549—)

Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ³	19.5 L (5.1 gal)	500
John Deere Hy-Gard™ Front Axle Oil ³	17.0 L (4.5 gal)	2000
John Deere Hy-Gard™ Rear Axle Oil ³	17.0 L (4.5 gal)	2000
John Deere Hy-Gard™ Park Brake Oil ³	300.0 mL (10.0 fl oz)	1000
John Deere Hy-Gard™ Transmission Oil ^{2, 3}	21.5 L (5.7 gal)	2000
John Deere Hydrau™ Hydraulic Oil ³	118.7 L (31.4 gal)	4000
John Deere Cool-Gard™ Pre-Mix	23.5 L (6.2 gal)	6000

OIL & CAPACITIES INFORMATION

544K-II Loader (PIN: 1DW544K__ _F677549—)

Part Description	Qty or capacity	Change Interval In Hours
Fluid Analysis Test Kits⁴		
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

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)
Every 100 Hours	
<input type="checkbox"/> Lubricate loader linkage and cylinder pivots	
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	
Every 500 Hours	
<input type="checkbox"/> Lubricate driveline upper and lower sliding joints and lower U-joints	<input type="checkbox"/> Take engine coolant sample
<input type="checkbox"/> Check front and rear axle oil level	<input type="checkbox"/> Drain and refill engine oil and replace filter
<input type="checkbox"/> Lubricate front and rear axle shaft seals	<input type="checkbox"/> Replace primary fuel filter
<input type="checkbox"/> Check battery electrolyte level and terminals	<input type="checkbox"/> Replace final fuel filter
<input type="checkbox"/> Check air intake hoses and charge air cooler tube couplings	<input type="checkbox"/> Replace hydraulic reservoir breather filter
<input type="checkbox"/> Take transmission oil sample	<input type="checkbox"/> Check park brake oil level
<input type="checkbox"/> Take hydraulic oil sample	<input type="checkbox"/> Lubricate front and rear shaft seals on park brake
<input type="checkbox"/> Take axle oil sample	<input type="checkbox"/> Check ride control accumulator (if equipped)
<input type="checkbox"/> Take diesel fuel sample	
Every 1000 Hours	
<input type="checkbox"/> Replace axle oil filters (if equipped)	<input type="checkbox"/> Check coolant condition
<input type="checkbox"/> Replace air cleaner dust unloader valve	<input type="checkbox"/> Lubricate frame hinge pivots
<input type="checkbox"/> Replace engine air cleaner elements	<input type="checkbox"/> Drain and refill park brake oil
<input type="checkbox"/> Replace fuel tank breather filter	
Every 2000 Hours	
<input type="checkbox"/> Drain and refill transmission oil and replace filter ²	<input type="checkbox"/> Check and adjust engine valve lash
<input type="checkbox"/> Drain and refill front and rear axle oil	<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"/> Replace diesel exhaust fluid (DEF) dosing unit filter	
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"/> Inspect diesel exhaust fluid (DEF) baffle	<input type="checkbox"/> Replace hydraulic system return filter
<input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank	<input type="checkbox"/> Drain, flush, and refill hydraulic system oil
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) header suction 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 cooling system	