



REPLACEMENT PARTS GUIDE

544K 4WD Loader (PIN: 1DW544K__D642685—)



ENGINE AIR FILTER ELEMENT— PRIMARY
[AT300487](#)

Interval (hrs) - 1000.



ENGINE AIR CLEANER DUST UNLOADER VALVE
[M89679](#)

Interval (hrs) - 1000.



HYDRAULIC RESERVOIR BREATHER FILTER
[AM39653](#)

Interval (hrs) - 500.



ENGINE AIR FILTER ELEMENT— SECONDARY
[AT314583](#)

Interval (hrs) - 1000.



AUXILIARY FUEL FILTER—IF EQUIPPED
[AT365870](#)

Interval (hrs) - 500.



IN-LINE FUEL STRAINER
[AT223493](#)

Interval (hrs) - 500.



CRANKSHAF DAMPER
[RE505881](#)

Interval (hrs) - 4000.



TRANSMISSION OIL FILTER
[AT468647](#)

Interval (hrs) - 2000.



PRIMARY FUEL FILTER
[RE529643](#)

Interval (hrs) - 500.



AXLE OIL FILTER
[AT367635](#)

Interval (hrs) - 1000.



ENGINE ROCKER ARM COVER GASKET
[R524469](#)

Interval (hrs) - 2000.



HYDRAULIC SYSTEM RETURN FILTERS- [AT335977](#)

Interval (hrs) - 4000.



CAB FRESH AIR FILTER
[AT191102](#)

Interval (hrs) - As Required.



CAB RECIRCULATION AIR FILTER
[AT307501](#)

Interval (hrs) - As Required.



FINAL FUEL FILTER
[RE522878](#)

Interval (hrs) - 500.



ENGINE OIL FILTER
[RE504836](#)

Interval (hrs) -500.



BOOM TO ATTACHMENT JOINT
[AT341090](#)

Interval (hrs) - As Required.



BUCKET TO BUCKET LINK JOINT
[AT336321](#)

Interval (hrs) - As Required.



HI-VIS COUPLER TO BUCKET LINK JOINT
[AT228893](#)

Interval (hrs) - As Required.



ATTACHMENT TO BUCKET LINK JOINT
[AT336321](#)

Interval (hrs) - As Required.



STEERING CYLINDER JOINT
[T27593](#)

Interval (hrs) - As Required.



JOHN DEERE
Genuine Parts and Service

CLICK PART NUMBER TO BUY

*See operator's manual for additional details.

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544K 4WD Loader (PIN: 1DW544K___D642685—)

Part Description	Qty or Capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ⁴	19.0 L (5.0 gal)	500
John Deere Hy-Gard™ Oil—Transmission ⁴	18.5 L (4.9 gal)	2000
John Deere Hy-Gard™ Park Brake ⁴	0.3 L (10.1 oz)	1000
John Deere Hy-Gard™ Oil Front Axle and Rear Axle (each) ⁴	17.0 L (4.5 gal)	2000
John Deere Hydrau™ Hydraulic Oil ⁴	92.0 L (24.3 gal)	4000
COOL-GARD™ II Pre-Mix	22.5 L (5.9 gal)	6000
Coolant Extender	As Required	As Required
Fluid Analysis Kits ⁵		
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
COOL-GARD™ II Test Strips	1	1000
⁴ See operator's manual for recommended oil type and oil viscosities based on operating temperatures ⁵ Based on fluid analysis results, intervals may need to be adjusted for operating conditions. See an authorized John Deere dealer.		

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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



CLICK PART NUMBER TO BUY

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Service Intervals

As Required	
• Inspect tires and check pressure	• Drain water from auxiliary fuel filter and water separator—if equipped
• Check wheel bolt torque	• Drain water from primary fuel filter and water separator
• Inspect engine air cleaner elements	• Drain water from final fuel filter
• Inspect air conditioner compressor and alternator belt	• Check and clean or replace cab fresh air filter
• Clean cooler cores	• Check and clean or replace cab recirculating air filter
• Check windshield washer fluid level	• Add coolant extender as indicated by COOL-GARD™ II test strips
• Check rear camera and radar object detection (ROD) system—if equipped	
Every 10 Hours or Daily	
• Clean air cleaner dust unloader valve	• Check hydraulic oil level
• Check coolant level in surge tank	• Check transmission oil level
• Check engine oil level	• Inspect outer pin seals
Every 100 Hours	
• Lubricate loader linkage and cylinder pivots (unless NeverGrease™ equipped)	
Initial Service—250 Hours	
• Drain and refill front and rear axle oil	• Replace axle oil filters—if equipped
• Drain and refill engine oil and replace filter	
Every 250 Hours	
• Take engine oil sample	
Every 500 Hours	
• Check front and rear axle oil level	• Drain and refill engine oil and replace filter
• Lubricate front and rear axle shaft seals	• Replace auxiliary fuel filter—if equipped
• Check battery water level and terminals	• Replace primary fuel filter
• Check air intake hoses and charge air cooler tube couplings	• Replace in-line fuel strainer
• Take engine coolant sample	• Replace final fuel filter
• Take axle oil sample	• Replace hydraulic reservoir breather filter
• Take transmission oil sample	• Check park brake oil level
• Take hydraulic oil sample	• Lubricate front and rear shaft seals on park brake
• Take diesel fuel sample	• Check ride control accumulator—if equipped
• Lubricate driveline upper and lower sliding joints and lower U-joints	
Every 1000 Hours	
• Clean engine crankcase vent tube	• Replace axle oil filters—if equipped
• Replace air cleaner dust unloader valve	• Lubricate frame hinge pivots
• Replace engine air cleaner elements	• Drain and refill park brake oil
• Check coolant	
Every 2000 Hours	
• Replace outer pin seals	• Clean front and rear axle oil recirculation screens—if equipped
• Drain and refill transmission oil and replace filter ³	• Check and adjust engine valve lash (clearance)
• Drain and refill front and rear axle oil ²	• Rerun transmission clutch calibration
Every 4000 Hours	
• Replace crankshaft damper	• Drain, flush, and refill hydraulic system oil
• Clean hydraulic pump case drain in-line screen	• Clean hydraulic system fill strainer
• Replace hydraulic system return filter	
Every 5000 Hours	
• Inspect driveline damper	
Every 6000 Hours	
• Drain and refill cooling system	