


REPLACEMENT PARTS GUIDE

524K 4WD Loader (PIN: 1DW524K__D642685—)




ENGINE ROCKER ARM COVER GASKET

 [R524469](#)
Interval (hrs) - 2000.


HYDRAULIC RESERVOIR BREATHER FILTER

 [AM39653](#)
Interval (hrs) - 500.


CAB FRESH AIR FILTER

 [AT191102](#)
Interval (hrs) - As Required


CAB RECIRCULATING FILTER

 [AT307501](#)
Interval (hrs) - As Required


OUTER PIN SEALS : ATTACHMENT TO BUCKET LINK JOINTS

 [AT336321](#)
Interval (hrs) - As Required


OUTER PIN SEALS : NEVERGREASE™ STEERING CYLINDER JOINTS

 [T277593](#)
Interval (hrs) - As Required


TRANSMISSION OIL FILTER

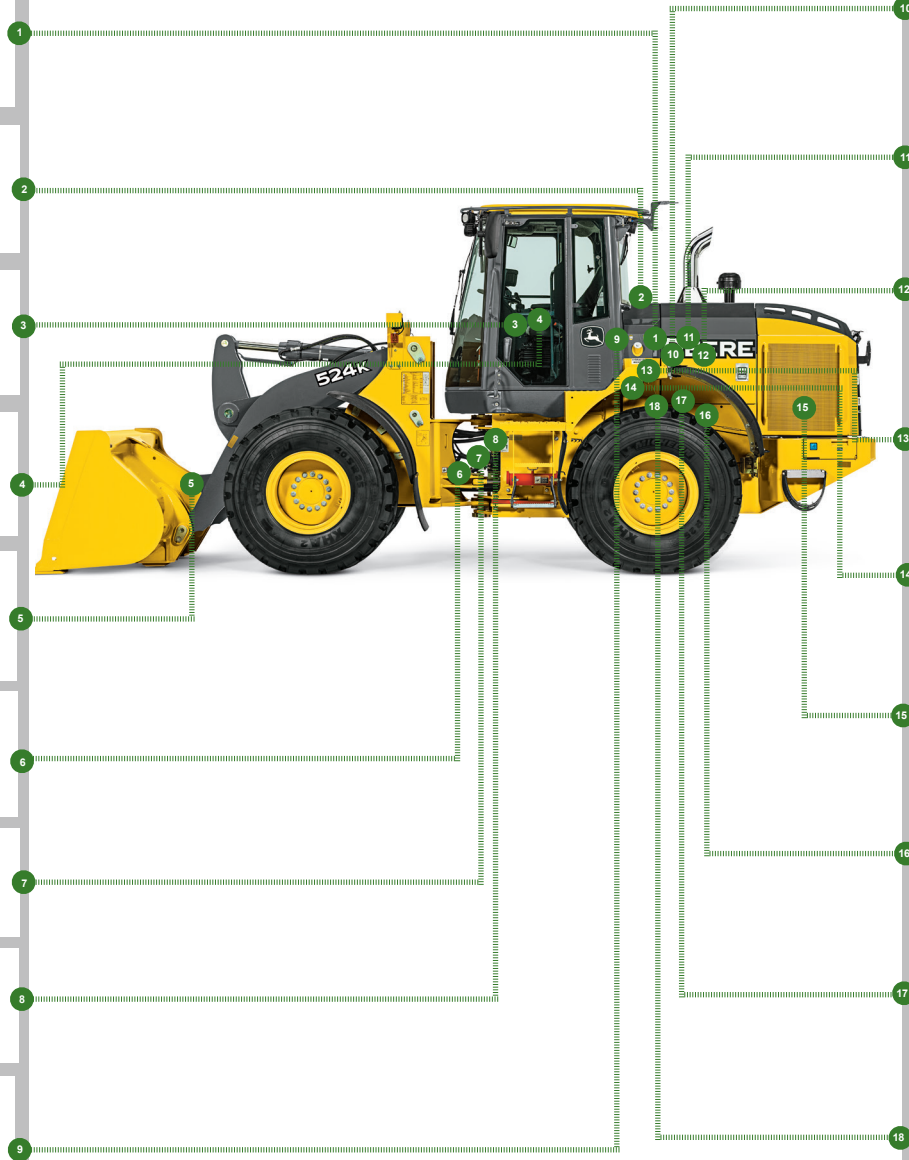
 [AT468647](#)
Interval (hrs) - 2000

AXLE OIL FILTERS—IF EQUIPPED


 [AT367635](#)
Interval (hrs) - 1000

HYDRAULIC SYSTEM RETURN FILTER


 [AT335977](#)
Interval (hrs) - 4000.




ENGINE AIR CLEANER DUST UNLOADER VALVE

 [M89679](#)
Interval (hrs) - 1000.


ENGINE AIR FILTER ELEMENT—PRIMARY

 [AT300487](#)
Interval (hrs) - 1000.


ENGINE AIR FILTER ELEMENT—SECONDARY

 [AT314583](#)
Interval (hrs) - 1000.


PRIMARY FUEL FILTER

 [RE541922](#)
Interval (hrs) - 500.


FINAL FUEL FILTER

 [RE522878](#)
Interval (hrs) - 500.


CRANKSHAFT DAMPER

 [RE505881](#)
Interval (hrs) - 4000.


IN-LINE FUEL STRAINER

 [AT223493](#)
Interval (hrs) - 500.

AUXILIARY FUEL FILTER—IF EQUIPPED

 [AT365870](#)
Interval (hrs) - 500.

ENGINE OIL FILTER

 [RE504836](#)
Interval (hrs) - 500.

OIL AND CAPACITIES INFORMATION

524K 4WD Loader (PIN: 1DW524K__ _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™ Oil : Park Brake ⁴	0.3 L (10.1 oz)	1000
John Deere Hy-Gard™ Oil : Front Axle ⁴	17.0 L (4.5 gal.)	2000
John Deere Hy-Gard™ Oil : Rear Axle 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

OIL AND CAPACITIES INFORMATION

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Fluid Analysis Kits ⁵			
Diesel Engine Oil	AT346594	1	250
Transmission Oil	AT346594	1	500
Axle Oil	AT346594	2	500
Hydraulic Oil	AT346594	1	500
Diesel Fuel	AT180344	1	500
Engine Coolant	TY26873	1	500
Cool-Gard™ II Test Strips	TY26605	1	1000

² The magnetic drain plug is serving its purpose when a ball of fine metal particles or chips are found on the magnet. If concerned with the amount of debris on the plug, clean and check again after running a short time with fresh oil

³ Reduce service intervals to 1500 hours in severe applications, which run the torque converter at high loads for more than approximately 25% of the time. (Examples include basement digging, land clearing, etc.)

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.

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

*See operator's manual for additional details

Service Intervals

As Required	
• Inspect tires and check pressure	• Drain water from primary fuel filter and water separator
• Check wheel bolt torque	• Drain water from final fuel filter
• Inspect engine air cleaner elements	• Drain water from auxiliary fuel filter and water separator—if equipped
• 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	
• Lubricate driveline upper and lower sliding joints lower U-joints	• Check park brake oil level
• Check air intake hoses and charge air cooler tube couplings	• Lubricate front and rear axle shaft seals
• Check battery water level and terminals	• Lubricate front and rear shaft seals on park brake
• Drain and refill engine oil and replace filter	• Check front and rear axle oil level
• Replace primary fuel filter	• Take engine coolant sample
• Replace final fuel filter	• Take transmission oil sample
• Replace auxiliary fuel filter—if equipped	• Take hydraulic oil sample
• Replace in-line fuel strainer	• Take axle oil sample
• Replace hydraulic reservoir breather filter	• Take diesel fuel sample
• Check ride control accumulator—if equipped	
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	
• Drain and refill front and rear axle oil ²	• Drain and refill transmission oil and replace filter ³
• Check and adjust engine valve lash (clearance)	• Rerun transmission clutch calibration
• Clean front and rear axle oil recirculation screens—if equipped	• Replace outer pin seals
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	