

# REPLACEMENT PARTS GUIDE

## 524K 4WD Loader (PIN: 1DW524K\_\_E642682—)



### ENGINE ROCKER ARM COVER GASKET

[R528743](#)

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 : 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 OIL FILTER

[RE539279](#)

Interval (hrs) - 500.



### DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER)

[RE551148](#)

Interval (hrs) - As Required.

### ENGINE AIR CLEANER ELEMENT—PRIMARY

[AT178516](#)

Interval (hrs) - 1000.

### ENGINE AIR CLEANER ELEMENT—SECONDARY

[AT178517](#)

Interval (hrs) - 1000.

### PRIMARY FUEL FILTER

[RE541922](#)

Interval (hrs) - 500.

### OPEN CRANKCASE VENTILATION (OCV) FILTER

[DZ105100](#)

Interval (hrs) - 2000.

### ENGINE AIR CLEANER DUST UNLOADER VALVE

[R48568](#)

Interval (hrs) - 1000.

### FUEL TANK BREATHER FILTER

[H216169](#)

Interval (hrs) - 1000.

### IN-LINE FUEL STRAINER

[AT223493](#)

Interval (hrs) - 500.

### FINAL FUEL FILTER

[RE541925](#)

Interval (hrs) - 500.

# OIL AND CAPACITIES INFORMATION

524K 4WD Loader (PIN: 1DW524K\_\_ \_E642682— )

Part Description	Qty or capacity	Change Interval In Hours	
John Deere Plus-50™ II Engine Oil <sup>4</sup>	19.0 L (5.0 gal)	500	
JJohn Deere Hy-Gard™ Oil : Transmission, Park Brake, and Axle Oil <sup>4</sup>	0.3 L (10.1 fl ozl)	1000	
John Deere Hydrau™ Hydraulic Oil <sup>4</sup>	122.3 L (32.4 gal.)	4000	
John Deere Cool-Gard™ II Pre-Mix	25.6 L (6.8 gal.)	6000	
Fluid Analysis Kits <sup>5</sup>			
Diesel Engine Oil	<a href="#">AT346594</a>	1	250
Transmission Oil	<a href="#">AT346594</a>	1	500
Park Brake and Axle Oil	<a href="#">AT346594</a>	3	500
Hydraulic Oil	<a href="#">AT346594</a>	1	500
Diesel Fuel	<a href="#">AT180344</a>	1	500
Engine Coolant	<a href="#">TY27787</a>	1	500
<p><sup>2</sup> 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</p> <p><sup>3</sup> 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.)</p> <p><sup>4</sup> See operator's manual for recommended oil type and oil viscosities based on operating temperatures.</p> <p><sup>5</sup> Based on fluid analysis results, intervals may need to be adjusted for operating conditions. See an authorized John Deere dealer.</p>			

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Plus-50 is a trademark of Deere & Company

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Hydrau is a trademark of Deere & Company

Cool-Gard is a trademark of Deere & Company



## Service Intervals

As Required	
<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"/> Service exhaust filter
<input type="checkbox"/> Clean cooler cores	<input type="checkbox"/> Check and clean or replace cab fresh air filter
<input type="checkbox"/> Inspect air conditioner compressor and alternator belt	<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 in surge tank	<input type="checkbox"/> Check transmission oil level
<input type="checkbox"/> Check engine oil level	<input type="checkbox"/> Inspect outer pin seals
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	
Every 500 Hours	
<input type="checkbox"/> Lubricate driveline upper and lower sliding joints and lower U-joints	<input type="checkbox"/> Check park brake oil level
<input type="checkbox"/> Check front and rear axle oil level	<input type="checkbox"/> Lubricate front and rear shaft seals on park brake
<input type="checkbox"/> Lubricate front and rear axle shaft seals	<input type="checkbox"/> Check ride control accumulator (if equipped)
<input type="checkbox"/> Check battery water level and terminals	<input type="checkbox"/> Take engine coolant sample
<input type="checkbox"/> Check air intake hoses and charge air cooler tube couplings	<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 primary fuel filter	<input type="checkbox"/> Take diesel fuel sample
<input type="checkbox"/> Replace in-line fuel strainer	<input type="checkbox"/> Take axle oil sample
<input type="checkbox"/> Replace final fuel filter	<input type="checkbox"/> Take park brake oil sample
<input type="checkbox"/> Replace hydraulic reservoir breather filter	
Every 1000 Hours	
<input type="checkbox"/> Replace air cleaner dust unloader valve	<input type="checkbox"/> Replace axle oil filters (if equipped)
<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
<input type="checkbox"/> Check coolant condition	
Every 2000 Hours	
<input type="checkbox"/> Drain and refill front and rear axle oil <sup>2</sup>	<input type="checkbox"/> Replace open crankcase ventilation (OCV) filter
<input type="checkbox"/> Drain and refill transmission oil and replace filter <sup>3</sup>	<input type="checkbox"/> Check and adjust engine valve lash (clearance)
<input type="checkbox"/> Clean front and rear axle oil recirculation screens (if equipped)	<input type="checkbox"/> Rerun transmission clutch calibration (cab monitor)
<input type="checkbox"/> Replace outer pin seals	
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 cooling system	