




















# REPLACEMENT PARTS GUIDE

## 524K-II Loader (PIN: 1DW524K\_\_ \_F677549— )



	<b>CAB RECIRCULATING AIR FILTER</b> <a href="#">AT307501</a> Interval (hrs) - As required.
	<b>CAB FRESH AIR FILTER</b> <a href="#">AT191102</a> Interval (hrs) - As required.
	<b>HYDRAULIC SYSTEM RETURN FILTER</b> <a href="#">AT335977</a> Interval (hrs) - 4000.
	<b>AXLE OIL FILTERS</b> <a href="#">AT367635</a> Interval (hrs) - 1000
	<b>TRANSMISSION OIL FILTER<sup>2</sup></b> <a href="#">AT468647</a> Interval (hrs) - 2000.
	<b>PRIMARY FUEL FILTER</b> <a href="#">DZ115391</a> Interval (hrs) - 500.
	<b>FINAL FUEL FILTER</b> <a href="#">DZ115392</a> Interval (hrs) - 500.
	<b>FUEL TANK BREATHER FILTER</b> <a href="#">H216169</a> Interval (hrs) - 1000.
	<b>ENGINE OIL FILTER</b> <a href="#">RE539279</a> Interval (hrs) - 500.



	<b>HYDRAULIC RESERVOIR BREATHER FILTER</b> <a href="#">AM39653</a> Interval (hrs) - 500.
	<b>ENGINE AIR CLEANER ELEMENT—PRIMARY FILTER</b> <a href="#">AT178516</a> Interval (hrs) - 1000.
	<b>ENGINE AIR CLEANER ELEMENT—SECONDARY FILTER</b> <a href="#">AT178517</a> Interval (hrs) - 1000.
	<b>DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER</b> <a href="#">DZ114640</a> Interval (hrs) - 2000.
	<b>DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER)</b> <a href="#">RE565702</a> Interval (hrs) - As Required.
	<b>OPEN CRANKSHAFT VENTILATION (OCV) FILTER</b> <a href="#">DZ105100</a> Interval (hrs) - 2000.
	<b>ENGINE ROCKER ARM COVER GASKET</b> <a href="#">R528743</a> Interval (hrs) - 2000.
	<b>ENGINE AIR CLEANER DUST UNLOADER VALVE</b> <a href="#">R48568</a> Interval (hrs) - 1000.
	<b>DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER, 300MM</b> <a href="#">AT502963</a> Interval (hrs) - 4000.
	<b>DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER, 400MM</b> <a href="#">AT502964</a> Interval (hrs) - 4000.
	<b>DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER, 525MM</b> <a href="#">AT502965</a> Interval (hrs) - 4000.



# OILS AND PARTS INFORMATION

## 524K-II Loader (PIN: 1DW524K\_\_ \_F677549— )

Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil <sup>3</sup>	19.5 L (5.1 gal)	500
John Deere Hy-Gard™ Front Axle Oil <sup>3</sup>	17.0 L (4.5 gal)	2000
John Deere Hy-Gard™ Rear Axle Oil <sup>3</sup>	17.0 L (4.5 gal)	2000
John Deere Hy-Gard™ Park Brake Oil <sup>3</sup>	300.0 mL (10.0 fl oz)	1000
John Deere Hy-Gard™ Transmission Oil <sup>2, 3</sup>	21.5 L (5.7 gal)	2000
John Deere Hydrau™ Hydraulic Oil <sup>3</sup>	118.7 L (31.4 gal)	4000
John Deere Cool-Gard™ II Pre-Mix	23.5 L (6.2 gal)	6000
Fluid Analysis Kits <sup>4</sup>		
Diesel Engine Oil	<a href="#">AT346594</a>	1
Transmission Oil	<a href="#">AT346594</a>	1
Axle Oil	<a href="#">AT346594</a>	2
Hydraulic Oil	<a href="#">AT346594</a>	1
Diesel Fuel	<a href="#">AT180344</a>	1
Engine Coolant	<a href="#">AT180344</a>	1

<sup>1</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.

<sup>2</sup>See operator's manual for recommended oil type and oil viscosities based on operating temperatures.

<sup>3</sup>Based on fluid analysis results, intervals may need to be adjusted for operating conditions. Consult an authorized John Deere dealer.

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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	
<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 <sup>2</sup>	<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	