
















REPLACEMENT PARTS GUIDE

524K 4WD Loader (PIN: 1DW524K__ _F670311—)



	CAB RECIRCULATING FILTER AT307501 As Required.
	CAB FRESH AIR FILTER AT191102 As Required.
	HYDRAULIC SYSTEM RETURN FILTER AT335977 Interval (hrs) - 4000.
	ENGINE ROCKER ARM COVER GASKET R528743 Interval (hrs) - 2000.
	AXLE OIL FILTERS AT367635 Interval (hrs) - 1000.
	TRANSMISSION OIL FILTER AT468647 Interval (hrs) - 2000.
	ENGINE OIL FILTER RE539279 Interval (hrs) - 500.
	FUEL TANK BREATHER FILTER H216169 Interval (hrs) - 1000.
	PRIMARY FUEL FILTER DZ115391 Interval (hrs) - 500.
	FINAL FUEL FILTER DZ115392 Interval (hrs) - 500.



	HYDRAULIC RESERVOIR BREATHER FILTER AM39653 Interval (hrs) - 500.
	ENGINE AIR CLEANER—PRIMARY AIR FILTER AT178516 Interval (hrs) - 1000.
	ENGINE AIR CLEANER—SECONDARY AIR FILTER AT178517 Interval (hrs) - 1000.
	DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER) RE565702 Interval (hrs) - As Required.
	DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER DZ114640 Interval (hrs) - 2000.



REPLACEMENT PARTS GUIDE

524K 4WD Loader (PIN: 1DW524K__ _F670311—)



OPEN CRANKCASE VENTILATION (OCV) FILTER

[DZ105100](#)

Interval (hrs) - 2000.



ENGINE AIR CLEANER DUST UNLOADER VALVE

[R48568](#)

Interval (hrs) - 1000.



DIESEL EXHAUST FLUID (DEF) HEADER SUCTION SCREEN (S.N. —675480) X

[DZ111166](#)

Interval (hrs) - 2000.



DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER (S.N. 675481—), 300MM

[AT502963](#)

Interval (hrs) - 4000.



DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER (S.N. 675481—), 400MM

[AT502964](#)

Interval (hrs) - 4000.



DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER (S.N. 675481—), 525MM

[AT502965](#)

Interval (hrs) - 4000.



OIL AND CAPACITIES INFORMATION

524K 4WD Loader (PIN: 1DW524K__ _F670311—)

Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ²	19.5 L (5.1 gal)	500
John Deere Hy-Gard™ Front Axle Oil ²	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 ³	21.5 L (5.7 gal)	2000
John Deere Hydrau™ Hydraulic Oil ³	118.7 L (31.3 gal)	4000
John Deere Cool-Gard™ II Pre-Mix	23.5 L (6.2 gal)	6000



OIL AND CAPACITIES INFORMATION

524K 4WD Loader (PIN: 1DW524K__ _F670311—)

Part Description	Part Number	Qty or capacity	Change Interval In Hours
Fluid Analysis Test Kits⁴			
Diesel Engine Oil	AT346594	1	250
Hydraulic Oil	AT346594	1	500
Transmission Oil	AT346594	1	500
Park Brake Oil	AT346594	3	500
Diesel Fuel	AT180344	1	500
Engine Coolant	TY27787	1	500
<p>² 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</p> <p>³ See operator's manual for recommended oil type and oil viscosities based on operating temperatures.</p> <p>⁴ Based on fluid analysis results, intervals may need to be adjusted for your operating conditions. Consult your local John Deere dealer.</p>			

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 windshield washer fluid level	<input type="checkbox"/> Clean fuel sending unit pickup screen
<input type="checkbox"/> Inspect tires and check pressure	<input type="checkbox"/> Drain water from primary fuel filter with water separator
<input type="checkbox"/> Check wheel bolt torque	<input type="checkbox"/> Service exhaust filter
<input type="checkbox"/> Inspect engine air cleaner elements	<input type="checkbox"/> Drain, flush, and refill fuel tank
<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"/> 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 electrolyte level and terminals	<input type="checkbox"/> Take transmission oil sample
<input type="checkbox"/> Check air intake hoses and charge air cooler tube couplings	<input type="checkbox"/> Take hydraulic oil sample
<input type="checkbox"/> Drain and refill engine oil and replace filter	<input type="checkbox"/> Take axle oil sample
<input type="checkbox"/> Replace primary fuel filter with water separator	<input type="checkbox"/> Take park brake oil sample
<input type="checkbox"/> Replace final fuel filter	<input type="checkbox"/> Take diesel fuel sample
<input type="checkbox"/> Replace hydraulic reservoir breather filter	<input type="checkbox"/> Take engine coolant 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"/> Replace open crankcase ventilation (OCV) filter	<input type="checkbox"/> Clean front and rear axle oil recirculation screens (if equipped)
<input type="checkbox"/> Replace outer pin seals (if equipped)	<input type="checkbox"/> Drain and refill front and rear axle oil
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) dosing unit filter	<input type="checkbox"/> Drain and refill transmission oil and replace filter ²
<input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank (S.N. —675480)	<input type="checkbox"/> Rerun transmission clutch calibration (cab monitor)
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) header suction screen (S.N. —675480)	<input type="checkbox"/> Check and adjust engine valve lash
Every 4000 Hours	
<input type="checkbox"/> Clean hydraulic system fill strainer	<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 (S.N. 675481—)
<input type="checkbox"/> Replace hydraulic system return filter	<input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank (S.N. 675481—)
<input type="checkbox"/> Drain, flush, and refill hydraulic system oil	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) header suction filter (S.N. 675481—)



JOHN DEERE
Genuine Parts and Service

Service Intervals

Every 5000 Hours	
<input type="checkbox"/>	Check driveline damper for cracks
Every 6000 Hours	
<input type="checkbox"/>	Drain and refill cooling system

