

REPLACEMENT PARTS GUIDE

643L-II Wheeled Feller Buncher (PIN: 1DW643L ___ F690815—)



DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER)
RE563694
 Interval (hrs) - As Required.

CAB FRESH AIR FILTER
AT191102
 Interval (hrs) - As Required.

CAB RECIRCULATION AIR FILTER
AT307501
 Interval (hrs) - As Required.

ENGINE OIL FILTER ELEMENT
RE539279
 Interval (hrs) - 500.

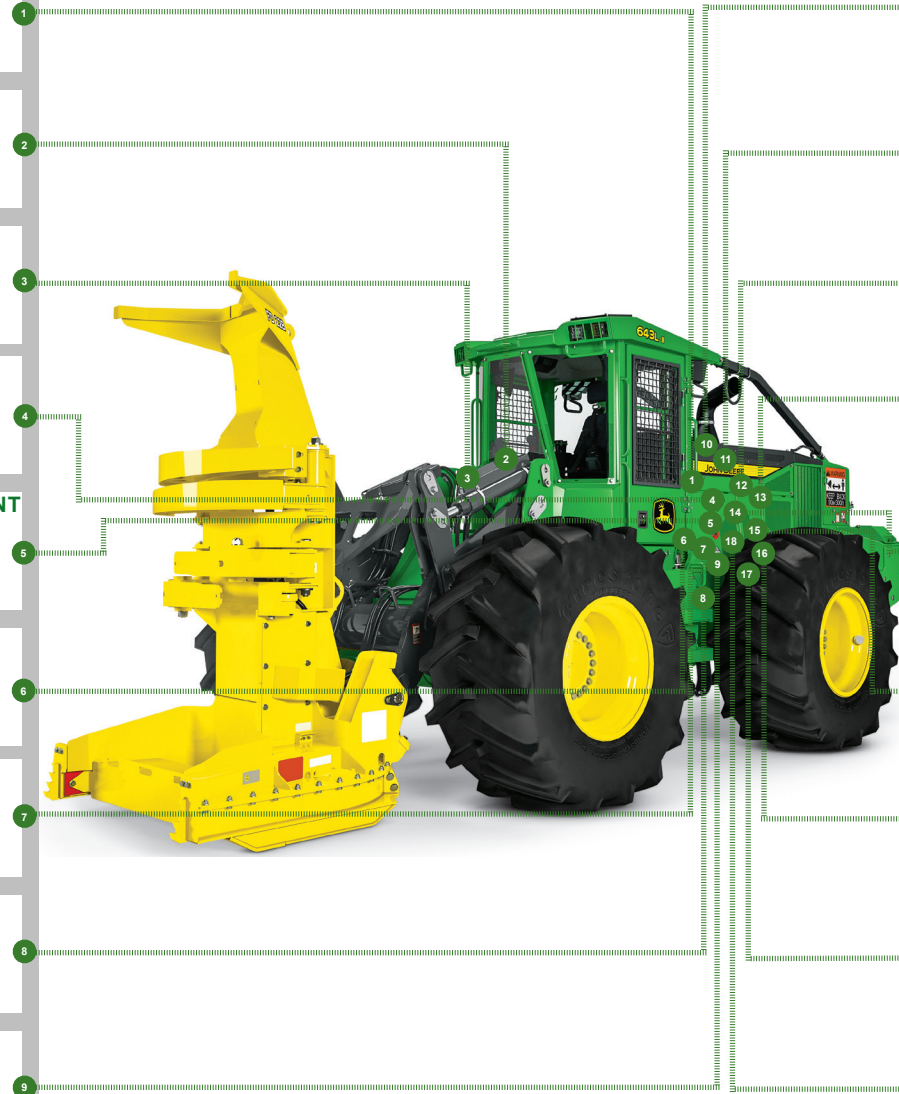
PRIMARY AND FINAL FUEL FILTER ELEMENT KIT
RE556406
 Interval (hrs) - 500.

OPEN CRANKCASE VENTILATION (OCV) FILTER—634L
DZ105796
 Interval (hrs) - 1500.

OPEN CRANKCASE VENTILATION (OCV) FILTER—834L
RE553703
 Interval (hrs) - 1500.

DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER AND BAFFLE
AT502964
 Interval (hrs) - 4000.

DIESEL EXHAUST FLUID (DEF) TANK BREATHER FILTER
H216169
 Interval (hrs) - 4000.



HYDRAULIC RESERVOIR BREATHER FILTER
AT421408
 Interval (hrs) - 4000.

HYDRAULIC SYSTEM OIL FILTER ELEMENT
F061786
 Interval (hrs) - 4000.

HYDROSTATIC OIL FILTER
T366738
 Interval (hrs) - 2000.

ENGINE ROCKER ARM COVER GASKET
R528743
 Interval (hrs) - 2000.

DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER
DZ114640
 Interval (hrs) - 4000.

AUXILIARY FUEL FILTER ELEMENT
AT365870
 Interval (hrs) - 500.

PRIMARY ENGINE AIR CLEANER ELEMENT
AT223226
 Interval (hrs) - As Required.

SECONDARY ENGINE AIR CLEANER ELEMENT
AT175224
 Interval (hrs) - As Required.

ENGINE AIR CLEANER DUST UNLOADER VALVE
T158495
 Interval (hrs) - As Required.

OILS AND CAPACITIES INFORMATION

643L-II Wheeled Feller Buncher (PIN: 1DW643L _ _ _ F690815—)

Part Description	Part Number	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ⁴	TY26669	28.5 L (7.5 gal)	500
John Deere Hydrau™ Hydraulic System Oil ⁴	TY27367	169.1 L (44.7gal)	4000
John Deere Hy-Gard™ Two-Speed Gear Case Oil ⁴	TY6354	4.0 L (4.2 qt)	1000
John Deere Hy-Gard™ Axle Oil ⁴ —1400 Series (each)	TY6354	28.0 L (7.4 gal)	1000
John Deere Hy-Gard™ Axle Oil ⁴ —SWEDA (each)	TY6354	28.4 L (7.5 gal)	1000
John Deere Hy-Gard™ Park Brake Oil ⁴	TY6354	0.8 L (27.0 floz)	6000
John Deere Cool-Gard™ II Premix—643L	TY26575	35.6 L (9.4 gal)	6000
Fluid Analysis Test Kits ⁵			
Engine Oil	AT346594	1	250
Hydraulic Oil	AT346594	1	500
Two-Speed Gear Case Oil	AT346594	1	500
Park Brake Oil	AT346594	1	500
Axle Oil	AT346594	1	500
Diesel Fuel	TY27329	1	500
Engine Coolant	TY26873	1	500
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. Consult an authorized John Deere dealer.			

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 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"/> Clean cooler cores	<input type="checkbox"/> Fill and charge pressurized water system
<input type="checkbox"/> Inspect accessory drive belt	<input type="checkbox"/> Check fire extinguisher charge
<input type="checkbox"/> Replace engine air cleaner elements	<input type="checkbox"/> Lubricate cab door hinges
<input type="checkbox"/> Check tire pressure	<input type="checkbox"/> Check cab recirculating air filter
<input type="checkbox"/> Check wheel bolt torque	<input type="checkbox"/> Check cab fresh air filter
<input type="checkbox"/> Clean fuel tank inlet screen	<input type="checkbox"/> Service exhaust filter
Every 10 Hours or Daily	
<input type="checkbox"/> Check engine coolant level	<input type="checkbox"/> Check and drain auxiliary fuel filter and water separator
<input type="checkbox"/> Check engine oil level	<input type="checkbox"/> Clean engine air intake precleaner screen
<input type="checkbox"/> Check hydraulic system oil level	<input type="checkbox"/> Check and clean engine air cleaner dust unloader valve
<input type="checkbox"/> Check diesel exhaust fluid (DEF) level	<input type="checkbox"/> Lubricate articulation points
<input type="checkbox"/> Check and drain primary fuel filter and water separator	<input type="checkbox"/> Lubricate lift and tilt cylinders, arms, and links
Every 100 Hours	
<input type="checkbox"/> Lubricate front axle pinion seal and park brake seals	<input type="checkbox"/> Lubricate rear axle pivots, pinion seal, and hydraulic steering cylinder pins
Initial Service—250 Hours	
<input type="checkbox"/> Drain and refill two-speed gear case oil	<input type="checkbox"/> Drain and refill axle oil
Every 250 Hours	
<input type="checkbox"/> Take engine oil sample	
Every 500 Hours	
<input type="checkbox"/> Drain and refill engine oil and replace filter	<input type="checkbox"/> Check open crankcase ventilation (OCV) system
<input type="checkbox"/> Replace primary fuel filter and water separator	<input type="checkbox"/> Check engine air intake hoses
<input type="checkbox"/> Replace auxiliary fuel filter and water separator	<input type="checkbox"/> Take two-speed gear case oil sample
<input type="checkbox"/> Replace final fuel filter	<input type="checkbox"/> Take hydraulic oil sample
<input type="checkbox"/> Check axle oil level	<input type="checkbox"/> Take axle oil sample
<input type="checkbox"/> Check park brake oil level	<input type="checkbox"/> Take park brake oil sample
<input type="checkbox"/> Check two-speed gear case oil level	<input type="checkbox"/> Take engine coolant sample
<input type="checkbox"/> Lubricate front, rear, and articulation drive shafts	<input type="checkbox"/> Take diesel fuel sample
Initial Service—1000 Hours	
<input type="checkbox"/> Replace hydrostatic oil filter	
Every 1000 Hours	
<input type="checkbox"/> Drain and refill park brake oil	<input type="checkbox"/> Drain and refill axle oil
<input type="checkbox"/> Drain and refill two-speed gear case oil	<input type="checkbox"/> Check coolant condition
Every 1500 Hours	
<input type="checkbox"/> Replace open crankcase ventilation (OCV) filter	
Initial Service—2000 Hours	
<input type="checkbox"/> Replace hydraulic system oil filter	
Every 2000 Hours	
<input type="checkbox"/> Check and adjust engine valve lash	<input type="checkbox"/> Replace hydrostatic oil filter
Every 4000 Hours	
<input type="checkbox"/> Drain and refill hydraulic system oil	<input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank
<input type="checkbox"/> Replace hydraulic system oil filter	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) tank breather filter
<input type="checkbox"/> Replace hydraulic reservoir breather filter	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) header suction filter and baffle
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) dosing unit filter	
Every 6000 Hours	
<input type="checkbox"/> Drain and refill engine cooling system	