

# REPLACEMENT PARTS GUIDE

## E300II Excavator (PIN: 1YNE30B\_\_C000001— ) (PIN: 1YNE30B\_\_D000001— )



**ENGINE FAN/ACCESSORY DRIVE BELT**  
[T400170](#)

Interval (hrs) - 2000.



**ENGINE VALVE COVER GASKET**  
[R524497](#)

Interval (hrs) - 2000.



**CAB FRESH AIR FILTER**  
[AT439042](#)

Interval (hrs) - 1000.



**CAB RECIRCULATING AIR FILTER**  
[WY19796](#)

Interval (hrs) - 1000.



**BUCKET JOINT O-RING (ARM NOSE)**  
[T401594](#)

Interval (hrs) - 2000.



**BUCKET JOINT O-RING (POWER LINK)**  
[T391017](#)

Interval (hrs) - 2000.



**ENGINE AIR FILTER DUST UNLOADER VALVE**  
[T158495](#)

Interval (hrs) - 1000.



**ENGINE CRANKSHAFT DAMPER**  
[RE508577](#)

Interval (hrs) - 4000.



**PRIMARY AIR FILTER ELEMENT**  
[AT223226](#)

Interval (hrs) - 1000.



**SECONDARY AIR FILTER ELEMENT**  
[AT175224](#)

Interval (hrs) - 1000.



**ENGINE OIL FILTER**  
[RE504836](#)

Interval (hrs) - 500.



**AUXILIARY FUEL FILTER**  
[T424147](#)

Interval (hrs) - 500.



**PRIMARY FUEL FILTER**  
[RE551507](#)

Interval (hrs) - 500.



**FINAL FUEL FILTER**  
[DZ115392](#)

Interval (hrs) - 500.



**HYDRAULIC OIL RETURN FILTER**  
[AT491641](#)

Interval (hrs) - 2000.



**HYDRAULIC TANK BREATHER FILTER ELEMENT**  
[WY21319](#)

Interval (hrs) - 2000.

# OILS AND CAPACITIES INFORMATION

## E300II Excavator (PIN: 1YNE30B\_\_\_C000001— ) (PIN: 1YNE30B\_\_\_D000001— )

Part Description	Qty or Capacity	Change Interval In Hours
John Deere Plus-50™ II 10W30 Engine Oil <sup>2</sup>	22.0 L (5.8 gal)	500
SAE 140 GL-4 Swing Gear Case Oil SAE 140 GL-5 Swing Gear Case Oil	10.5 L (2.8 gal)	1000
SAE 80W90 GL-4 Track Drive Gear Case Oil SAE 80W90 GL-5 Track Drive Gear Case Oil	5.4 L (1.4 gal)	1000
John Deere Hydrau-Gard™ 46 Plus Hydraulic Oil <sup>4,6</sup>	395.0 L (104.4 gal)	4000
John Deere Cool-Gard™ II Coolant	32.0 L (8.5 gal)	6000
Fluid Analysis Test Kits <sup>7</sup>		
Engine Oil Kit	1	250
Swing Gear Case Oil Kit	1	500
Track Drive Gear Case Oil Kit	2	500
Hydraulic Oil Kit	1	500
Engine Coolant Kit	1	500
Diesel Fuel Kit	1	500

<sup>2</sup>For recommended service intervals, if the machine is operating at high altitude, see Diesel Engine Oil and Filter Service Interval for Operation at High Altitude—Stage III Engines.

<sup>3</sup>Replace engine air filters at monitor indication or 1000 hours, whichever occurs first.

<sup>4</sup>For recommended change intervals, if using hydraulic hammer on machine, see Hydraulic Hammer Attachment.

<sup>5</sup>After engine valve clearance adjustment, install new gasket.

<sup>6</sup>See operator's manual for recommended oil type and oil viscosities based on operating temperatures.

<sup>7</sup>Based on fluid analysis results, intervals may need to be adjusted for operating conditions. See an authorized John Deere dealer.

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Hydrau-Gard is a trademark of Deere & Company

Cool-Gard is a trademark of Deere & Company



## Service Intervals

As Required	
• Check and adjust track tension	• Check or clean track frames
• Inspect or replace bucket joint O-rings	• Inspect or replace cab fresh air filter and recirculating air filter
• Drain auxiliary fuel filter with water separator	• Drain primary fuel filter with water separator
• Lubricate cab door hinges	
Every 10 Hours or Daily	
• Check engine oil level	• Check hydraulic tank oil level
• Check engine coolant level	• Check or clean engine air filter dust unloader valve
• Lubricate bucket and linkage	
Every 50 Hours	
• Lubricate boom, arm, and cylinders	• Lubricate boom cylinder base ends
Initial Service—100 Hours	
• Check and adjust track shoe cap screws torque	
Every 250 Hours	
• Take engine oil sample	• Lubricate swing bearing
Every 500 Hours	
• Drain and refill engine oil and replace engine oil filter <sup>a</sup>	• Replace auxiliary fuel filter
• Replace primary fuel filter	• Replace final fuel filter
• Drain water or sediment from the fuel tank sump	• Check swing gear case oil level
• Check swing gear pinion grease level	• Check track drive gear case oil level
• Take fluid samples and analyze hydraulic oil, fuel, gear case oil, and engine coolant	
Every 1000 Hours	
• Drain and refill swing gear case oil	• Drain and refill track drive gear case oil
• Replace cab fresh air and recirculating air filters	• Replace engine air filters and dust unloader valve
• Lubricate swing gear case bearing	
Every 2000 Hours	
• Replace hydraulic tank breather filter	• Replace hydraulic oil return filter
• Inspect and clean hydraulic pilot mesh filter	• Clean case drain screen fittings
• Inspect or replace engine fan/accessory drive belt	• Adjust engine valve clearance
Every 4000 Hours	
• Drain and refill hydraulic oil <sup>c</sup>	• Clean hydraulic tank suction strainer
• Clean hydraulic tank magnetic plug	• Replace engine crankshaft damper <sup>d</sup>
Every 6000 Hours	
• Drain and refill engine coolant	