

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 ²	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 ^{4,6}	395.0 L (104.4 gal)	4000
John Deere Cool-Gard™ II Coolant	32.0 L (8.5 gal)	6000
Fluid Analysis Test Kits⁷		
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

²For 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.

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

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

⁵After engine valve clearance adjustment, install new gasket.

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

⁷Based 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 ^a	• 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 ^c	• Clean hydraulic tank suction strainer
• Clean hydraulic tank magnetic plug	• Replace engine crankshaft damper ^d
Every 6000 Hours	
• Drain and refill engine coolant	