




REPLACEMENT PARTS GUIDE


300D Articulated Dump Truck (Series II)(PIN: 1DW300DX__C642001-)





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CAB AIR FILTER
[TT226019](#)
 Interval (hrs) - 500.
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ENGINE CRANKSHAFT DAMPENER
[RE520465](#)
 Interval (hrs) - 4000.
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ENGINE CRANKSHAFT DAMPENER
[RE57604](#)
 Interval (hrs) - 4000.
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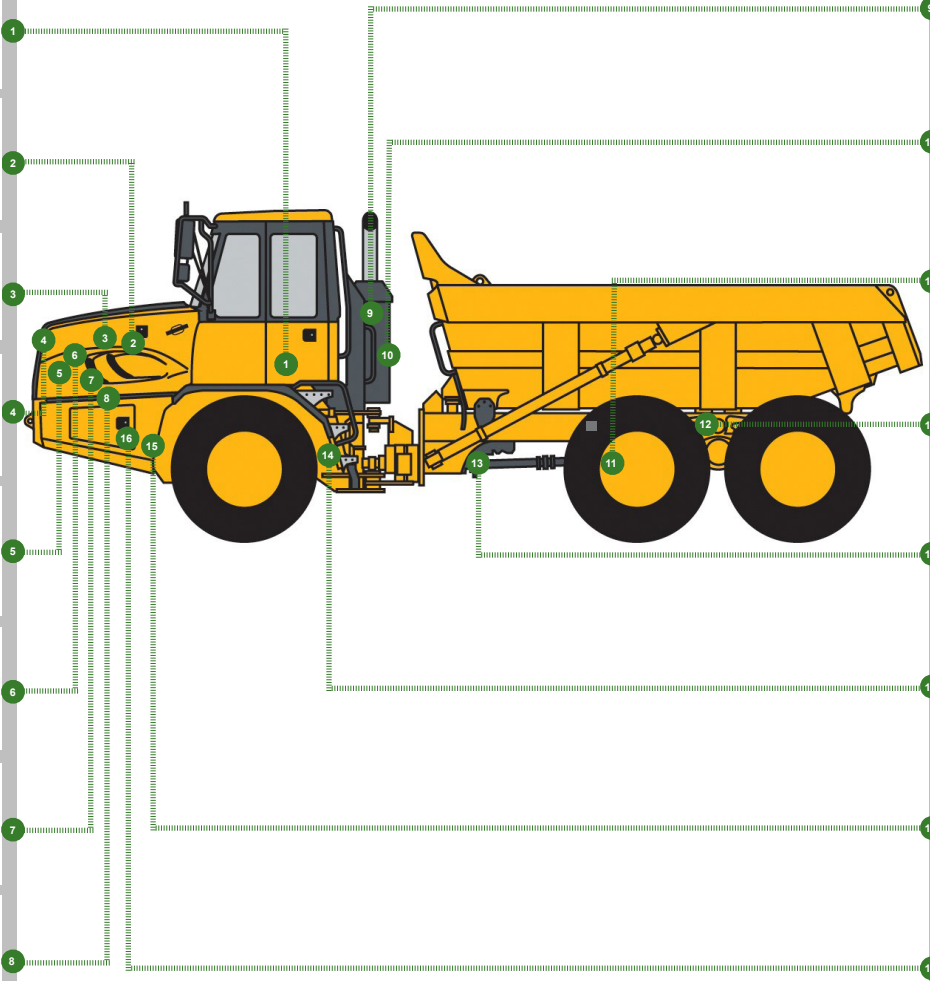
AUXILIARY FUEL FILTER AND WATER SEPARATOR
[AT365869](#)
 Interval (hrs) - 500
- 


AIR CLEANER SECONDARY ELEMENT
[TT220747](#)
 Interval (hrs) - As Required.
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AIR CLEANER PRIMARY ELEMENT
[AT308575](#)
 Interval (hrs) - As Required.
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PRIMARY AND SECONDARY FUEL FILTERS (KIT)
[RE541746](#)
 Interval (hrs) - 500.
- 


ENGINE OIL FILTER
[DZ118283](#)
 Interval (hrs) - 500.





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HYDRAULIC RESERVOIR BREATHER
[AT498275](#)
 Interval (hrs) - 1000.
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HYDRAULIC SYSTEM OIL RETURN FILTER
[TT222389](#)
 Interval (hrs) - 2000.
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UNIVERSAL JOINT
[TT206765](#)
 Interval (hrs) - 6000.
- 

TRANSMISSION, TRANSFER CASE, AND AXLE BREATHER
[TT223816](#)
 Interval (hrs) - 2000.
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UNIVERSAL JOINT
[TT207990](#)
 Interval (hrs) - 6000.
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TRANSMISSION OIL FILTER
[TTZF210424](#)
 Interval (hrs) - 2000.
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PNEUMATIC BLOCK SILENCER FILTERS
[TT226831](#)
 Interval (hrs) - 4000.
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PNEUMATIC SYSTEM DRYER - FILTER
[AT411898](#)
 Interval (hrs) - 2000.

OILS AND PARTS INFORMATION

300D Articulated Dump Truck (Series II)(PIN: 1DW300DX__C642001-)

Part Description	Qty or Capacity	Change Interval In Hours
John Deere PLUS-50™ Engine Oil ²	31.0 L (8.2 gal.)	500
HY-GARD™ Hydraulic Oil ²	78.8 L (20.8 gal.)	4000
John Deere HD SynTran Transmission Oil ²	26.7 L (7.1 gal.)	2000
API GL-5 Gear Oil ² with Limited Slip Additive	130.5 L (34.5 gal.)	2000
COOL-GARD™ II Pre-Mix Coolant	37.8 L (10.0 gal.)	6000
Coolant Extender	As required	As required
Fluid Analysis Kits ³		
COOL-GARD™ II Test Strips	1	250
Transmission Oil	1	250
Transfer Case Oil	1	500
Axle Oil	1	500
Final Drive Oil	3	500
Diesel Fuel	6	500
Engine Coolant	1	500
Diesel Engine Oil	1	500
Hydraulic Oil	1	1000

¹Perform initial service once after the first 100 hours of operation.

²See Operator's Manual for recommended oil type and oil viscosities based on operating temperatures.

³Based on fluid analysis results, intervals may need to be adjusted for your operating conditions. Consult your local John Deere dealer.

Service Intervals

As Required	
• Service engine air intake system	• Inspect tires, check pressure
• Drain fuel filters	• Inspect serpentine belt
• Clean and inspect transmission, transfer case, and axle breathers	• Inspect and clean cooling system
• Add coolant extender as indicated by COOL-GARD™ II test strips	
Every 10 Hours or Daily	
• Check engine oil level	• Check transmission
• Check engine coolant level	• Check hydraulic oil level
• Check transfer case oil level	• Lubricate tailgate pivots—if equipped
• Lubricate bin (dump body) pivots, cylinder pins, steering cylinder, articulation joints, and oscillation tube through drive shaft bearings	
Initial Service - 100 Hours ¹	
• Replace primary fuel filter	• Change axle oil
• Replace hydraulic system oil return filter	• Change final drive oil
• Replace transmission oil filter	• Change transfer case oil
Every 250 Hours	
• Take engine oil sample	
Every 500 Hours	
• Check transmission oil level	• Change engine oil and replace filter
• Check batteries, clean and tighten terminals	• Change engine oil (quick service—if equipped) and replace filter
• Check front axle suspension struts	• Take diesel fuel sample
• Check park brake pad wear	• Take hydraulic oil sample
• Check dry caliper service brake pad wear	• Take transmission oil sample
• Clean and inspect hydraulic reservoir breather	• Take final drive oil sample
• Inspect, clean, and replace cab air filter	• Take engine coolant sample
• Replace primary fuel filter	• Take differential and outboard planetary oil samples
• Replace secondary fuel filter	• Take transfer case oil sample
• Replace auxiliary fuel filter and water separator	• Take drop box oil sample
Every 1000 Hours	
• Check axle drive oil levels	• Check coolant
• Check final drive oil levels	• Lubricate drive shaft slip joint
• Check and adjust bin (dump body) shock pad	• Replace hydraulic reservoir breather
Every 2000 Hours	
• Change axle oil	• Adjust engine valve clearance
• Change final drive oil	• Replace transmission oil filter
• Change transfer case oil	• Replace hydraulic system oil return filter
• Change transmission oil	• Replace pneumatic system dryer-filter
• Change transmission oil (quick service—if equipped)	• Replace transmission, transfer case, and axle breathers
• Inspect and measure oscillation joint bushings	
Every 4000 Hours	
• Change hydraulic oil	• Replace engine crankshaft dampener
• Change hydraulic oil (quick service—if equipped)	• Replace pneumatic block silencer filter
Every 6000 Hours	
• Replace universal joints	• Drain, flush, and refill engine cooling system
• Drain, flush and refill engine cooling system (quick service—if equipped)	