



Current Date 30May2017

## 310E ARTICULATED DUMP TRUCK

## COOLING:

Dual, fully variable, hydraulic fan drives

Left side mounted radiator, charge air cooler, A/C condenser and fuel cooler

Right side mounted, transmission and hydraulic coolers

Optional Axle Coolers

Integral engine oil cooler

Remote pressurized coolant reservoir

Antifreeze Protection to -34 Degrees F (-37 Degrees C)

John Deere COOL-GARD II long-life engine coolant

Fan guard

## POWERTRAIN:

ZF ErgoPower L II 8EP320 fully-automatic countershaft powershift

transmission, 8 Speeds

Forward, 4 Reverse

Lock-up torque converter

Load based shift control

Gear hold switch

Automatic integral transmission input retarder with selectable

aggressiveness

Single-speed transfer case with interaxle differential lock

Full Time 6 Wheel Drive

Lockable, on the fly, clutch type differential locks

Fully hydraulic wet disk service brakes

Spring-applied, hydraulic-released, dry-disc park brake

## ELECTRICAL:

24 Volt

Axial-piston, variable-displacement pump

Single-stage, dual acting, dump-body cylinders

Electrohydraulic dump-body control

Ground-driven, secondary-steering pump

Brake Accumulator, CSA Certified

## OPERATOR'S STATION:

ROPS/FOPS Certified,

Tilttable Cab

Keyless Start/Stop

Programmable dump-body control settings

Sound Insulated

Air Conditioner with Heater and Defroster

AM/FM Radio/CD player and Speakers

Rear window guard

Washer/Wiper with

Intermittent Control

Tilt and telescopic steering wheel

Fully-adjustable, air suspension, heated, high-back, cloth with

leather inserts seat

Retractable, 3-Inch, operator seat belt

Fold-away instructor's seat with retractable seat belt

12-volt power outlet

Cup holders

12-volt Cigarette Lighter

Fold-Away outside rearview mirrors

7" LCD Monitor:

Optional Secondary Back-up Camera Monitor

Speedometer

Fuel gauge

DEF gauge

Programmable Dump Body Rollover Protection

On-Board Weighing Display

Multi-Language Capability

Tire Pressure Monitoring

System Warning

Primary Backlit Sealed

Switch Module Functions:

Keyless Start/Stop

Park Brake

Transmission Controls

Drive/Neutral/Reverse/Gear

Select/Up-Shift/Down-Shift

Transmission Gear Hold

Retarder aggressiveness

Interaxle differential lock control

Automatic Dump-Body Control Settings

Descent Control

Secondary Backlit Sealed

Switch Module Functions:

A/C heater controls

Rear wiper control

Park Lights/Headlights

Work Lights

Stair Light

Work Lights

Hazard Lights

Beacon

Heated mirror

Heated seat

## BODY:

Dump-body Safety Lock Bar

Heavy-duty Ribbles

Construction

Dual-cylinder hydraulic dump

Body Ducted to Accept

Exhaust Heating Connections

## OTHER:

Engine-service platform

80-amp alternator	Transmission oil temperature gauge	Remote grease banks
Solid-state electrical power distribution system	Engine coolant temperature gauge	Articulation lock
Battery disconnect	Tachometer	On Board Weighing System with External Load Lights
Batteries, 2 x 950 CCA	LED function/warning indicators and audible alarm	JD-Link Ultimate Wireless Communication System with 3Yr Subscription
Drive lights		Tire Pressure Monitoring System
LED Rear Turn Signals/Brake Lights	Gear Indicator	Swing out coolers for improved engine access
Electric Horn	Battery voltage	Front grill swings open for easy service access
Reverse Alarm	Hour meter	
	Odometer	
HYDRAULICS:	Trip counter	
Closed-center, electronic load-sensing system	Trip timer	
	Metric/English units	
	Service codes/diagnostics	

Required - *You must select one from each category*

▼ BASE MACHINE

F.O.B. Davenport, Iowa for Complete Machine. See DEALER-INSTALLED ATTACHMENT section for additional source notes.

Description	Code	Price
310E ARTICULATED DUMP TRUCK	9440DW	\$488,956.00

▼ ENGINE

Description	Code	Price
John Deere PowerTech meets EPA FT4 and EU Stage IV Emissions	0924	\$30,267.00

John Deere PowerTech PSS 13.5L  
 With 354 Net Peak hp  
 For use only in areas where EPA Final Tier 4/EU Stage IV is required. Required in the US.  
 Turbo Charged, Charge Air Cooled  
 Automatic Exhaust Filter Regeneration  
 4 Valves / Cylinder  
 Wet Sleeve Cylinder Liners  
 Starter Protection  
 Electronically Controlled Fuel Delivery System  
 Electrical Fuel Priming System  
 Automatic Derating for Exceeded System Temperatures  
 Under Hood Dual Element Air Cleaner with Restriction Indicator  
 Curved Exhaust Stack  
 10-Micron 500 hour Spin-On Primary Fuel Filter/Water Separator  
 2-Micron 500 hour Spin-On Final Fuel Filter  
 Inline Fuel Strainer  
 Auto Tensioner Serpentine Belt

▼ EXHAUST

Description	Code	Price
Engine Exhaust with Flat Black Curved Stack	1310	In Base Price
Engine Exhaust with Chrome Curved Stack	1330	\$370.00

▼	ENGINE FAN		
	Description	Code	Price
	Standard Fan Drive	1510	In Base Price
	Hydraulic Reversing Fan Drive	1520	\$1,442.00
▼	FAST FILL FUEL SYSTEM		
	Description	Code	Price
	Fast Fill Fuel System	5710	\$2,599.00
	No Fast Fill Fuel System	5720	In Base Price
▼	BATTERY		
	Description	Code	Price
	Batteries, 2 x 1400 CCA	1120	\$397.00
▼	VOLTAGE CONVERTER		
	Description	Code	Price
	24 to 12 Volt Voltage Converter, 15 Amp Converter	2710	\$158.00
	24 to 12 Volt Voltage Converter, 25 Amp Converter	2720	\$270.00
▼	ON BOARD WEIGHING		
	Description	Code	Price
	Less On Board Weighing	5530	In Base Price
	On Board Weighing with Light Indicators	5550	\$2,040.00
▼	MACHINE CONNECTIVITY		
	Description	Code	Price
	JDLink Ultimate Cellular for the Americas, excluding Costa Rica - 5 Years	1710	In Base Price

Machine connectivity functions require cellular coverage. Usage of JDLink System requires customer's acceptance of the terms of the John Deere Telematics System Contract. Option availability limited by specific geographical regions. Please refer to region specific price pages for appropriate ordering codes.

Description	Code	Price
JDLink Ultimate Cellular for the Americas, excluding Costa Rica - 5 Years	1710	In Base Price

Includes JDLink hardware: integrated cab wiring harness, antenna, modular telematics gateway (MTG), and JDLink Ultimate activation.

JDLink utilizes cellular and satellite technology infrastructure that is outside the control of John Deere. Changes to that infrastructure may require customers to purchase compatible JDLink hardware to restore functionality.

Includes 5 year subscription. Annual subscription renewal required after 5 years for continued functionality. JDLink customer account must be created to access JDLink Ultimate data. Go to [www.StellarSupport.com](http://www.StellarSupport.com) to renew or update JDLink subscriptions.

Use of this service, and all rights and obligations of John Deere and the Customer (as identified in the applicable agreement), are governed by the terms and conditions outlined in the applicable Services and Software agreements available at [www.JohnDeere.com/Agreements](http://www.JohnDeere.com/Agreements). If these terms and conditions are not agreeable do not proceed and do not use the service.

JDLINK Ultimate Satellite for the Americas, excluding Costa Rica - 5 Years	1711	\$1,936.00
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Use of this service, and all rights and obligations of John Deere and the Customer (as identified in the applicable agreement), are governed by the terms and conditions outlined in the applicable Services and Software agreements available at [www.JohnDeere.com/Agreements](http://www.JohnDeere.com/Agreements). If these terms and conditions are not agreeable do not proceed and do not use the service.

#### DUMP BODY

Description	Code	Price
Standard Dump Body	1910	In Base Price
Dump Body w/8 mm (5/16 in) Steel Liner	1915	\$8,265.00
Less Dump Body	1920	(\$35,085.00)

#### DUMP BODY HEATER

Description	Code	Price
Dump Body Heater Exhaust Connections	2110	\$3,772.00

Requires code 1910 or 1915 dump body.

Less Dump Body Heater Connections	2120	In Base Price
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#### TAILGATE

Description	Code	Price
Mechanical/Automatic Tailgate	2210	\$12,885.00

Requires code 1910 or 1915 Dump Body.

Less Tailgate	2220	In Base Price
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#### OPERATOR'S MANUAL AND DECALS

Required for labels and Trademarks

Description	Code	Price
English Decals and Operator's Manual	2350	No Charge
French Decals and Operator's Manual	2352	No Charge
Spanish Decals and Operator's Manual	2354	No Charge
No Text Decals for EU27	2358	No Charge

**MIRRORS**

Description	Code	Price
Mirrors, Manual	2410	In Base Price
Mirrors, Remote Adjustable with Heating	2420	\$900.00

**SEAT**

Operator Seats are fully adjustable with air suspension

Description	Code	Price
Operator's seat, heated, high-back, cloth/leather with fore/aft isolation	2520	In Base Price
Operator's seat, heated, high-back, cloth/leather, no fore/aft isolation with extreme duty suspension	2530	\$157.00

**RADIO**

Description	Code	Price
AM/FM radio/CD player	2610	In Base Price
AM/FM radio/CD player with Satellite Radio and Bluetooth	2612	\$950.00

**AIR CONDITIONING SYSTEM**

Description	Code	Price
Air Conditioner Refrigerant Charged	6110	In Base Price

**REAR CAMERA**

Description	Code	Price
Rear Camera with Secondary Monitor	2815	\$992.00
Secondary monitor will display rear camera display at all times.		
Rear Camera with Integrated Monitor	2810	In Base Price
When machine is in reverse, rear camera will display on main monitor.		

**HVAC CONTROLS**

Description	Code	Price
Manual Operator Station Temperature Control	3010	In Base Price

**HVAC PRE-CLEANER**

Description	Code	Price
HVAC Pre-cleaner	3210	\$500.00
No HVAC Pre-cleaner	3220	In Base Price

**WHEELS AND TIRES**

If a No Brand Preference code is selected, a 9000 code in the Special Equipment - Order as Desired section will automatically be selected as well. This is required to enable the factory to source this order.

Description	Code	Price
<u>23.5R25 Tires with 3 Piece Rims</u>		
No Brand Preference	4591	\$8,432.00
Michelin E-3 Radial Tires	4511	\$19,130.00
<u>Other Tire Options</u>		
750/65R25 Michelin XAD Low-Profile E-3 2 Star Radial Tires	4551	\$28,696.00
Provides lower ground pressure and increased floatation, traction, stability, and tire life over standard 23.5R25 sized tires.		

▼ MONITORING SYSTEM

Description	Code	Price
Tire Pressure Monitoring System	5310	In Base Price
Less Tire Pressure Monitoring System	5320	(\$3,214.00)

▼ AXLE COOLING

Description	Code	Price
Axle Cooling	3310	\$6,965.00
Less Axle Cooling	3320	In Base Price

Optional - *Select as desired*

▼ ETHER STARTING AID

Description	Code	Price
Ether Start Aid	9215	\$308.00

▼ COOLANT HEATER

Description	Code	Price
Engine Coolant Heater, 110V	9225	\$185.00
Requires FT4 engine code 0924. Not for use with diesel fuel fired coolant heater code AT418721. For use when average cold temperature is no lower than -25C (-13F). If average cold temperature is lower than -25C (-13F), order diesel fuel fired coolant heater AT418721.		
Engine Block Coolant Heater (220 Volt)	9300	\$254.00
Restricted for use in Russia.		
Diesel Fired Coolant Heater	9221	\$4,533.00

▼ FUEL FILTRATION

Description	Code	Price
	9250	\$350.00

## Severe Duty Fuel Filter

Code 9250 or 9255 required for Engine code 0930

Description	Code	Price
Heated Severe Duty Fuel Filter	9255	\$455.00

## ▼ WARNING BEACON

Description	Code	Price
Warning Beacon	9320	\$487.00

## ▼ LIGHTING

Description	Code	Price
(2) Additional Cab Front Work Lights - Halogen	9230	\$350.00

Cannot order with code 9232.

(2) Additional Cab Front Work Lights - LED	9232	\$1,497.00
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## ▼ OPERATOR'S MANUAL AND DECALS

Description	Code	Price
Operator manual and labels, Spanish, FT4 models	9280	No Charge

## ▼ WINDSHIELD WIPERS

Description	Code	Price
Rear Windshield Wiper	9327	\$478.00

## ▼ NO BRAND PREFERRED TIRES

Description	Code	Price
23.5R25 No Brand Preferred With 3 Piece Rim	9701	No Charge

## ▼ RUST PROTECTION

Description	Code	Price
Electrical Corrosion Protection Package	9211	\$987.00

## ▼ HYDRAULIC OIL

Description	Code	Price
Hydraulic Oil - Hydrau XR	9315	\$230.00

Optional Factory Fill.  
 Intended for Colder Climates with Extreme Cold Ambient Temperatures down to -40C (-40F)  
 Provides All-Season Capability in Ambient Temperature Ranging from -40C to 40C (-40F to 104F).  
 Required for Russia.

Quick Service Bank for Transmission , Hydraulic, Engine oil & Engine Coolant Fluid changes	9045	\$505.00
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## ▼ FIRE EXTINGUISHER

Description	Code	Price
Fire Extinguisher - 5 lbs.	9140	\$110.00

▼ MISCELLANEOUS

Description	Code	Price
License Plate Bracket, Light and Mounting Hardware	9310	\$183.00

▼ ATTACHMENTS FOR FIELD CONVERSION

F.O.B. Dubuque, Iowa for dealer-installed kits, except where noted. Some of the following kits may require additional parts for a complete installation. Prior to ordering, check the installation instructions by going to [www.johndeereinfo.com](http://www.johndeereinfo.com) and clicking on Library, or by clicking on this Hyperlink ( [Installation Bulletin Search](#) ), and insert the AT number to retrieve the attachment installation instruction bulletin for additional parts. Exception to above note is FRONTIER Dealer Installed Kits. All attachments are sold as a quantity of one.

Description	Code	Price
<a href="#">Cold Start</a>		

Diesel Fuel-Fired Engine Coolant Heater Kit for FT4 Engines	AT427188	\$4,533.00
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For use when average cold temperatures are below -25C (-13F).  
Cannot be used in conjunction with Code 9225 Engine Coolant Heater, 110V.  
Dealer installed field kit only.

Diesel Fuel-Fired Engine Coolant Heater Kit for T3 (Stage II) Engines w/ Kerosene Tank	AT427190	\$4,639.00
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Engine Block Heater, 220V (Stage II Engines)	AT427184	\$184.00
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May be used with Diesel-Fired Coolant Heater.

Ether Starting Aid for FT4 engines	AT426929	\$307.00
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[Hydraulics](#)

High-Altitude Hydraulic Kit	AT435710	\$606.00
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For use at high altitudes to improve hydraulic performance by pressurizing the hydraulic tank.  
For use above 10,000 feet on 4WD Loaders.  
For use on Stage 2/Tier 3/IT4 4WD Loader Engines.  
No kit required for FT4 Loader Engines.  
For use above 6,000 feet on E-Series ADTs (Tier 3).

[Operator Environment](#)

Cigarette Lighter	AT448829	\$40.00
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HVAC PreCleaner	AT445689	\$500.00
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Secondary Rear View Monitor Field Kit	BYT10243	\$1,200.00
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Will display rear camera display at all times.

WorkSafe BC Secondary Access Window	AT456170	\$840.00
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Required for ADT in BC, Canada.

[Overall Vehicle](#)



Beacon Strobe kit	AT426730	\$285.00
Dump Body Heater Exhaust Connections for FT4 Engines	AT427213	\$4,490.00
Mechanical/Automatic Tailgate	AT456466	\$14,003.00
On Board Weighing Kit	BYT10229	\$2,040.00
Quick Fluid Service Field Kit	AT430821	\$513.00
For use with FT4 engine.		
<a href="#">Powertrain</a>		
Axle Cooling Field Kit	AT440481	\$6,965.00
Fast Fuel System	AT439706	\$3,811.00
Severe-Duty Fuel Filter w/ Heater	AT427680	\$462.00
Severe-Duty Fuel Filter w/o Heater	AT427679	\$353.00