



Current Date 03Jan2020

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 Ribbless 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 | Gear Indicator | Tire Pressure Monitoring System |
| LED Rear Turn Signals/ Brake Lights | Battery voltage | Swing out coolers for improved engine access |
| Electric Horn | Hour meter | Front grill swings open for easy service access |
| Reverse Alarm | 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 | \$497,886.00 |

▼ ENGINE

| Description | Code | Price |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|
| John Deere PowerTech meets EPA FT4 and EU Stage IV Emissions | 0924 | \$31,024.00 |
| John Deere PowerTech PSS 9.0L 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 | No Added Cost |

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|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| | Engine Exhaust with Chrome Curved Stack | 1330 | \$370.00 |
| ▼ | ENGINE FAN | | |
| | Description | Code | Price |
| | Standard Fan Drive | 1510 | No Added Cost |
| | 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 | No Added Cost |
| ▼ | 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 | No Added Cost |
| | On Board Weighing with Light Indicators | 5550 | \$2,040.00 |
| ▼ | MACHINE CONNECTIVITY | | |
| | 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 5 Year Subscription | 170C | No Added Cost |
| | Includes JDLink hardware: integrated cab wiring harness, antenna, modular telematics gateway (MTG), and now includes all Ultimate Connectivity features - Wireless Data Transfer (WDT) enabling automatic data transfer from TimberMatic and Waratah H16 Measuring Systems to TimberManager and MyJohnDeere, supporting TimberOffice 5 Software. Additionally, Ultimate now includes Limited Internet features supporting optional ForestSight Solutions such as advance mapping systems and Remote Display Access (RDA) features supported by TeamViewer applications. 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 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. If these terms and conditions are not agreeable do not proceed and do not use the service.

| | | |
|------------------------------------------|------|------------|
| JDLink Ultimate Dual 5 Year Subscription | 170J | \$1,936.00 |
|------------------------------------------|------|------------|

Includes JDLink hardware: integrated cab wiring harness, antenna, modular telematics gateway (MTG), and now includes all cellular dependent Ultimate Connectivity features - Wireless Data Transfer (WDT) enabling automatic data transfer from TimberMatic and Waratah H16 Measuring Systems to TimberManager and MyJohnDeere, supporting TimberOffice 5 Software. Additionally, Ultimate Dual now includes Limited Internet features supporting optional ForestSight Solutions such as advance mapping systems and Remote Display Access (RDA) features supported by TeamViewer applications when cellular signal is available. JD Link Ultimate Dual works with the 4G LTE MTG to automatically transmit compressed summary data over a satellite network when a cellular network is not available. 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 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. 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 | No Added Cost |
| Dump Body w/8 mm (5/16 in) Steel Liner | 1915 | \$8,472.00 |
| Less Dump Body | 1920 | (\$35,962.00) |

▼ DUMP BODY HEATER

| Description | Code | Price |
|---------------------------------------|------|---------------|
| Dump Body Heater Exhaust Connections | 2110 | \$3,866.00 |
| Requires code 1910 or 1915 dump body. | | |
| Less Dump Body Heater Connections | 2120 | No Added Cost |

▼ TAILGATE

| Description | Code | Price |
|-------------|------|-------------|
| | 2210 | \$13,207.00 |

Mechanical/Automatic Tailgate

Requires code 1910 or 1915 Dump Body.

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| Less Tailgate | 2220 | No Added Cost |
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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 Added Cost |
| French Decals and Operator's Manual | 2352 | No Added Cost |
| Spanish Decals and Operator's Manual | 2354 | No Added Cost |

MIRRORS

| Description | Code | Price |
|-----------------------------------------|------|---------------|
| Mirrors, Manual | 2410 | No Added Cost |
| 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 | No Added Cost |
| 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 | No Added Cost |
| AM/FM radio/CD player and Bluetooth | 2612 | \$950.00 |

AIR CONDITIONING SYSTEM

| Description | Code | Price |
|-------------------------------------|------|---------------|
| Air Conditioner Refrigerant Charged | 6110 | No Added Cost |

REAR CAMERA

| Description | Code | Price |
|------------------------------------|------|----------|
| Rear Camera with Secondary Monitor | 2815 | \$992.00 |

Secondary monitor will display rear camera display at all times.

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| Less Rear Camera | 2820 | (\$1,671.00) |
|------------------|------|--------------|

Rear Camera with Integrated Monitor 2810 No Added Cost

When machine is in reverse, rear camera will display on main monitor.

▼ HVAC CONTROLS

| Description | Code | Price |
|---------------------------------------------|------|---------------|
| Manual Operator Station Temperature Control | 3010 | No Added Cost |

▼ HVAC PRE-CLEANER

| Description | Code | Price |
|------------------|------|----------|
| HVAC Pre-cleaner | 3210 | \$500.00 |

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| No HVAC Pre-cleaner | 3220 | No Added Cost |
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▼ 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.

See DMAC Solution 108681 for additional tire option codes.

| Description | Code | Price |
|-------------------------------------------------|------|-------|
| 23.5R25 Tires with 3 Piece Rims | | |

| | | |
|---------------------------|------|-------------|
| Michelin E-3 Radial Tires | 4511 | \$20,377.00 |
|---------------------------|------|-------------|

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|-----------------------------|------|-------------|
| Bridgestone E-3 Radial Tire | 4517 | \$17,663.00 |
|-----------------------------|------|-------------|

[Other Tire Options](#)

| | | |
|------------------------------------------------------------|------|-------------|
| 750/65R25 Michelin XAD Low-Profile E-3 2 Star Radial Tires | 4551 | \$29,413.00 |
|------------------------------------------------------------|------|-------------|

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 | \$3,214.00 |

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|--------------------------------------|------|---------------|
| Less Tire Pressure Monitoring System | 5320 | No Added Cost |
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▼ AXLE COOLING

| Description | Code | Price |
|------------------------------------------|------|------------|
| Axle Cooling with Remote Mounted Filters | 3310 | \$7,139.00 |

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|-------------------|------|---------------|
| Less Axle Cooling | 3320 | No Added Cost |
|-------------------|------|---------------|

Optional - *Select as desired*

▼ ETHER STARTING AID

| Description | Code | Price |
|-----------------|------|----------|
| Ether Start Aid | 9215 | \$308.00 |

| COOLANT HEATER | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|--|
| Description | Code | Price | |
| Engine Coolant Heater, 120V | 9225 | \$190.00 | |
| 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, 240 Volt | 9300 | \$260.00 | |
| Restricted for use in Russia. | | | |
| Diesel Fired Coolant Heater | 9221 | \$4,646.00 | |
| Not for use with engine coolant heater options 9225 or 9300. | | | |
| FUEL FILTRATION | | | |
| Description | Code | Price | |
| Severe Duty Fuel Filter | 9250 | \$350.00 | |
| Code 9250 or 9255 required for Engine code 0944. | | | |
| Heated Severe Duty Fuel Filter | 9255 | \$455.00 | |
| WARNING BEACON | | | |
| Description | Code | Price | |
| Warning Beacon | 9320 | \$499.00 | |
| LIGHTING | | | |
| Description | Code | Price | |
| 130-amp Alternator & Additional Cab Front Work Lights - Halogen | 9230 | \$359.00 | |
| Cannot order with code 9232. | | | |
| 130-amp Alternator & Additional Cab Front Work Lights - LED | 9232 | \$1,534.00 | |
| OPERATOR'S MANUAL AND DECALS | | | |
| Description | Code | Price | |
| Operator manual and labels, Spanish, FT4 models | 9280 | No Added Cost | |
| WINDSHIELD WIPERS | | | |
| Description | Code | Price | |
| Rear Windshield Wiper | 9327 | \$478.00 | |
| 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.johndeere.com/techinfo.com](http://www.johndeere.com/techinfo) 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 |
|----------------------------|------|-------|
| Cold Start | | |

| | | |
|-------------------------------------------------------------|----------|------------|
| Diesel Fuel-Fired Engine Coolant Heater Kit for FT4 Engines | AT427188 | \$4,578.00 |
|-------------------------------------------------------------|----------|------------|

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.

| | | |
|----------------------------------------------|----------|----------|
| Engine Block Heater, 240V (Stage II Engines) | AT427184 | \$186.00 |
|----------------------------------------------|----------|----------|

May be used with Diesel-Fired Coolant Heater.

| | | |
|------------------------------------|----------|----------|
| Ether Starting Aid for FT4 engines | AT426929 | \$310.00 |
|------------------------------------|----------|----------|

[Hydraulics](#)

| | | |
|-----------------------------|----------|----------|
| High-Altitude Hydraulic Kit | AT435710 | \$612.00 |
|-----------------------------|----------|----------|

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).

Miscellaneous

| | | |
|--------------------------------------------|----------|------------|
| Axle Cooling Field Kit | AT440481 | \$7,035.00 |
| Grease Steering Bushing Kit | BYT10508 | \$318.00 |
| JDLink 4G LTE (MTG) Field Installed System | BYT10733 | \$99.00 |

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| | | |
|-------------------------------|----------|------------|
| On Board Weighing Kit | BYT10229 | \$2,060.00 |
| Quick Fluid Service Field Kit | AT430821 | \$518.00 |

For use with FT4 engine.

| | | |
|---------------------------------------|----------|------------|
| Secondary Rear View Monitor Field Kit | BYT10243 | \$1,212.00 |
|---------------------------------------|----------|------------|

Will display rear camera display at all times.

Operator Environment

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|-------------------------------------|----------|----------|
| Cigarette Lighter | AT448829 | \$40.00 |
| HVAC PreCleaner | AT445689 | \$505.00 |
| Universal XM-Tuner Installation Kit | BYT11328 | \$354.00 |

Includes hardware and brackets to add XM capability to radio

| | | |
|-------------------------------------|----------|----------|
| WorkSafe BC Secondary Access Window | AT456170 | \$848.00 |
|-------------------------------------|----------|----------|

Required for ADT in BC, Canada.

Overall Vehicle

| | | |
|------------------------------------------------------|----------|-------------|
| Beacon Strobe kit | AT426730 | \$288.00 |
| Dump Body Heater Exhaust Connections for FT4 Engines | AT427213 | \$4,535.00 |
| Mechanical/Automatic Tailgate | BYT10745 | \$14,143.00 |

Powertrain

| | | |
|------------------------------------|----------|------------|
| Fast Fuel System | AT439706 | \$3,849.00 |
| Severe-Duty Fuel Filter w/ Heater | AT427680 | \$467.00 |
| Severe-Duty Fuel Filter w/o Heater | AT427679 | \$357.00 |

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