

310SL HL BACKHOE LOADER



JOHN DEERE

01-Mar-2022

Code	Description	QTY	List Price (USD)
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0A81T	310SL HL BACKHOE LOADER	1	\$143,353.00
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310SL HL Standard Equipment

ENGINE:

John Deere PowerTech™ EWL 4.5L Turbocharged 4-Cylinder Engine
 Serpentine Belt with Automatic Belt Tensioner
 Vertical Spin-On Engine Oil Filter
 Primary and Secondary Spin-on Fuel filter with Water Separator
 Dual Safety Element Dry-Type Air Cleaner With Evacuator Valve
 Vertical Curved Exhaust Stack

COOLING SYSTEM:

Engine Radiator
 Engine Coolant -40 Degrees F (-40C)
 Coolant Recovery Tank with Low Level Indicator
 Cooling Fan with Fan Guard
 Oil-to-Water Engine Oil Cooler
 Oil to Air Hydraulic Oil Cooler
 Oil to Water Transmission Oil Cooler
 Fold-Out Hinged Cooling System
 High Ambient Temperature Engine Coolant

POWERTRAIN:

Powershift Transmission with Torque Converter
 Auto-Shift Feature (On/Off)
 Vertical Spin-on Transmission Filter
 Single Electric Transmission Control Lever (Forward/Neutral/Reverse) with integrated gear selection & horn
 Electronic Transmission Controller with On-board Diagnostics
 Rigid Mounted Rear Axle with 4-Planet Final Drive
 Differential Lock, Foot Switch Activated, Protection On/Off
 Mechanical Limited Slip Front Wheel Drive
 Hydrostatic Power Steering with Emergency Manual Mode
 Power-Assisted Hydraulic Service Brakes Inboard, Wet Disc, Self-Adjusting and Self-Equalizing (Conforms to ISO 3450)
 Power-Assisted Hydraulic Service Brakes Inboard, Wet Disc, Self-Adjusting and Self-Equalizing (Conforms to ISO 3450)
 Parking/Emergency Brake: Independent of Service Brakes (Conforms to ISO 3450) Spring Applied, Hydraulically Released, Wet Multi-Disc

HYDRAULICS:

42 GPM (159 L/m) Axial Piston Pump - Closed Center / PCLS Hydraulic System
 Dedicated Hydraulic Reservoir
 6 Micron Vertical Spin-On Filter
 "O" Ring Face Seal Connectors
 Circuit Relief Valve Protection
 Economy Mode
 Auto Idle
 Lift Mode Provides up to 15% Additional Cranning Capacity

BACKHOE:

15 Ft. 0 In. (4.57 m) Digging Depth (Extendible Dipperstick, Retracted)
 Backhoe Transport Lock Lever
 Swing Locking Pin Stored in Op. Station
 Hydraulic Pilot Controls
 Reversible Pad Stabilizer Feet with integrated lock
 Stabilizer Two-Direction Anti-Drift Valves
 Less Bucket with Bucket Pins
 Backhoe boom includes mounting hole for optional boom protection plate.

LOADER:

Return-To-Dig Feature
 Bucket Level Indicator
 Hydraulic Self-Leveling (anti-spill)
 Single Lever Control with Electric Clutch Cut-off Switch
 Less Bucket with Bucket Pins
 Loader Boom Service Lock
 High-Visibility Loader Arms

ELECTRICAL:

12 Volt System
 145 Amp Alternator
 (4) Front Drive/Work, (4) Rear Work and (2) side docking halogen lights (32,500 Candlepower Each) (2) Front and (2) Rear Turn Signal/Flashing
 (2) Rear Stop and Tail
 (2) Rear Reflectors
 Single Battery with 180 Minute reserve Capacity and 925 CCA
 Blade Type Multi-Fused Circuits
 By-Pass Start Safety Cover on Starter
 Positive Terminal Battery Cover

OPERATOR STATION:

Modular-design ROPS/FOPS (level 2) canopy with molded roof (meets ISO 3471 and ISO 3449): Isolation mounted Left and Right Side Access
 Slip Resistant Steps and Ergonomically Located Handholds

Bid Term: 2/22/19 - 2/21/21; Extended to 2/21/22; EXTENDED to 2/21/23

(Conforms to SAE J185)
 Seat, Deluxe Deep Foam, Vinyl Cover, High Back with Adjustable:
 Suspension for Weight/Height
 Fore-Aft
 Lumbar Adjustments
 Flip-up Arm Rests
 3 In. Orange Seat Belt with Retractor
 Tilt Steering
 Engine Coolant Temperature Gauge
 Fuel Gauge
 Transmission Oil Temperature Gauge
 Electric Monitor System with Audible and Visual Warning:
 Air Cleander restriction
 Low Alternator Voltage
 Engine Coolant Temperature
 Engine Oil Pressure & Temperature
 Hydraulic Filter Restriction
 Low Brake Pressure
 Seat Belt Indicator
 Transmission Oil Temperature
 Fuel
 Hourmeter / Tachometer / Voltmeter
 Machine Diagnostics
 Sealed Switch Module
 Keyless Start
 Machine Security
 Horn (1-FNR, 1- Side Console)
 Interior Rearview Mirror
 Rotary Hand Trottle
 Suspended Foot Throttle
 12 Volt Outlets (1)
 Operator's Manual Storage Compartment
 Integrated Cup Holder with Form Fitting Rubber Insert
 Lockable Right-Side Storage
 Coat Hook

OVERALL VEHICLE:
 (2) Front and (2) Rear built-In tie Downs
 One Piece Unitized Construction Mainframe
 Extended Grille Frame
 Dent Resistant Rear Fenders
 Vandal Protection Locking for:
 Engine Hood
 Monitor
 Tool Box
 Hydraulic Reservoir
 34 Gal. (128.7 L) Fuel Tank
 Reverse Warning Alarm
 19.5L - 24 In. 12 PR (R4) Tubeless Rear and
 12.5/80 - 18 In. 12 PR Traction Front Sure Grip Lug Tires
 Ground Level Fueling
 Remote Grease Bank for Front Axle
 Tilt Hood with (2) Service Positions
 JDLink Ultimate in Approved Countries

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DESTINATION AND LANGUAGE

Operator's Manual and Decals Basic Factory Options - Required

2401 English Decals with English Operator and Safety Manuals No Added Cost
 English decals installed and English operator's manual.
 Requires engine code 1065.

2403 English Decals with Spanish Decals and Manuals Separate No Added Cost
 English decals installed with Spanish decal packet included with English and Spanish operator's manual.
 Requires engine code 1065.

2404 English Decals with French Decals and Manuals Separate No Added Cost
 English decals installed with French decal packet included with English and French operator's manual.
 Requires engine code 1065.

JOHN DEERE WORKSIGHT™

Machine Connectivity Basic Factory Options - Required

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.

170K JDLink™ No Added Cost
 Includes integrated cab wiring harness, antenna, and JDLink Modem (MTG).
 JDLink connectivity is enabled separately through the JDLink website. Connectivity service is subject to country availability.

170R JDLink™ Satellite \$3,462.00
 Includes integrated cab wiring harness, antenna, JDLink Modem's (Cellular MTG & Satellite MTG).
 JDLink connectivity is enabled separately through the JDLink website. Connectivity service is subject to country availability.

TRANSMISSION

Front Axle and Transmission Basic Factory Options - Required

3025 2 Wheel Drive Autoshift Transmission (\$8,406.00)
 With AutoShift 5F/3R Transmission.
 Autoshift can be turned on/off in the SSM. When Autoshift is off, Backhoe will operate with Powershift transmission.

3095 Mechanical Front Wheel Drive (MFWD) with Limited Slip Differential Autoshift Transmission No Added Cost
 5F/3R Autoshift Transmission.

Autoshift can turned on/off in the SSM. When Autoshift if off, Backhoe will operate with Powershift transmission.

OPERATOR'S STATION AND CONTROLS

Operator's Station

Basic Factory Options - Required

2015 Canopy (ROPS/FOPS) No Added Cost

Isolation mounted Modular design ROPS/FOPS Level 2 (meets ISO 3449 & ISO 3471) Molded roof.
 Molded floor mats is optional.
 Keyless Start.
 Deluxe Mechanical Suspension Deluxe, Vinyl, Swivel Seat with Lumbar Adjustment and Arm Rests, Fully Adjustable.
 3 In. Retractable Seat Belt.
 (2) front driving/working halogen lights - 32,500 Candlepower Each
 (2) rear working halogen lights - 32,500 Candlepower Each
 (6) additional work roof lights adds 2 front, 2 rear and 1 on each side of roof
 (4) turn signal/flashing/rear stop/tail lights - 2 front and rear
 (2) rear reflectors

2035 Cab \$13,243.00

Isolation mounted Modular design ROPS/FOPS Level 2 (meets ISO 3449 & ISO 3471) Molded roof.
 Tinted safety glass.
 Deluxe interior trim.
 Headliner.
 Molded floor mats.
 Less radio (Cab includes power connector for radio and threaded bosses for mounting brackets - see radio kit installation instructions).
 Air Conditioning 26,000 BTU.
 CFC free R134a refrigerant.
 Heater/defrosters/pressurizer, 40,000 BTU, 10 speed.
 Deluxe Mechanical Suspension, Cloth, Swivel Seat with Lumbar Adjustment and Arm Rests, Fully Adjustable.
 Keyless Start.
 3 inch Orange Seat Belt with retractor.
 Tilt Steering Wheel.
 Interior Rearview Mirror.
 Front 2-speed wiper with windshield washer and rear 1-speed wiper.
 (2) front driving/working halogen lights - 32,500 Candlepower Each
 (2) rear working halogen lights - 32,500 Candlepower Each
 (6) additional work roof lights adds 2 front, 2 rear and 1 on each side of roof
 (4) turn signal/flashing/rear stop/tail lights - 2 front and rear
 (2) rear reflector

See Order As Desired codes for additional Cab options not included in standard Cab (i.e. Air Suspension Seat, Radio, Sun Visor).

Operator's Station

Field Installed Attachments - Optional

Orders with custom codes are exempt from order response targets. Not all custom codes may be published. If there are specific configuration needs that you don't see available, please contact Dealer Marketing Assistance Center (DMAC): (563) 589-6660. DMAC can also provide assistance in referring Dealers to aftermarket options for customized attachments and field kit installations.

9060 Front View Mirror \$82.00

9117	Headliner - Canopy	\$149.00
9118	Tilt Steering - Canopy	\$561.00
9210	Left Side Console Storage with Cup Holders	\$81.00
98C0	Custom Code - Less A/C	(\$992.00)
9916	Radio, Bosch Premium Package AM/FM/Weather Radio, Bluetooth capable with microphone, 3.5mm auxiliary input, USB input, roof power port, roof storage compartment.	\$1,356.00
9917	Radio, Bosch Basic Package AM/FM/Weather Radio	\$873.00
9919	Sun Visor	\$95.00
9920	Exterior Rear View Mirrors (2)	\$343.00
9965	Seat, Cloth Air-Suspension For enclosed Cab.	\$503.00
9970	Seat, Cloth Air-Suspension - Heated For enclosed Cab.	\$994.00
9975	Seat, Vinyl Air-Suspension For open ROPS or enclosed Cab.	\$503.00

Operator's Station

Field Installed Attachments - Optional

BYT10717	Radio, Premium Package For use with serial number 329231 or greater. AM/FM/Weather Radio, Bluetooth capable with microphone, 3.5mm auxiliary input, USB input, roof power port, roof	\$1,370.00
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storage compartment.

BYT10718	Radio, Basic Package For use with serial number 329231 or greater. AM/FM/Weather Radio.	\$882.00
BYT11384	Radio, Basic Package For use with serial numbers prior to 329231. AM/FM/Weather Radio.	\$882.00
BYT11385	Radio, Premium Package For use with serial numbers prior to 329231. AM/FM/Weather Radio, Bluetooth capable with microphone, 3.5mm auxiliary input, USB input, roof power port, roof storage compartment.	\$1,370.00
AT192032	Operator Manual Tether Cables for ROPS or Cab	\$28.00
BYT10673	Heated Seat Kit This kit includes the heated cloth seat cushion (back and bottom), electrical harness, and the switch to control the heated seat. Conversion kit can be used with mechanical or air suspension seats. Conversion kit can be used for cab configurations only.	\$270.00
AT186155	(2) External Rear View Mirrors	\$293.00
BYT10670	Mechanical to Air Seat Conversion For use on machines prior to Serial Number: 329231. Includes complete air suspension assembly, wiring, and controls, to convert mechanical seat suspension to air suspension. Conversion kit can be used for open ROPS or cab configurations.	\$816.00
AT187707	License Plate Bracket and Light	\$233.00
BYT10250	Canopy (ROPS/FOPS) to Quarter Cab Conversion Kit Includes all parts needed to add quarter cab to canopy machine, including windshield wiper and windshield washer, but not including the glass. Refer to installation instructions for a list of glass pieces to order from service parts.	\$405.00
AT186307	Sun Visor	\$96.00
AT446496	License Plate Bracket Light not included.	\$59.00

AT186288	Slow Moving Vehicle Emblem	\$115.00
AT313589	Beacon/Strobe Ready Wiring Kit Kit for aftermarket Beacon or Strobe light Kit does not include Beacon	\$35.00
BYT10672	Mechanical to Air Seat Suspension For use on machines after serial number: 329230. Includes complete air suspension assembly, wiring, and controls, to convert mechanical seat suspension to air suspension. Conversion kit can be used for open ROPS or cab configurations.	\$816.00
AT451676	Radio Auxiliary kit Requires code 9917 or BYT10718 basic radio package. 3.5mm auxiliary input jack, harness for aux input to radio, roof power port, roof storage compartment. This kit is designed to add 3.5mm input to radios, and power to charge devices. Note that this kit does NOT include XM, USB input, or Bluetooth microphone.	\$291.00

WHEELS AND TIRES

Wheels and Tires

Basic Factory Options - Required

Orders with custom codes are exempt from order response targets. Not all custom codes may be published. If there are specific configuration needs that you don't see available, please contact Dealer Marketing Assistance Center (DMAC): (563) 589-6660. DMAC can also provide assistance in referring Dealers to aftermarket options for customized attachments and field kit installations.

For use with MFWD

4484	Galaxy 580 Radial - 500/70R24 Rear & 340/80R18 Front Requires axle code 3095. Rear tire chains require wheel spacers (AT347522). Tire designed for hard surface roading and snow.	\$2,246.00
4466	Galaxy 21L 24 in. 12 PR Rear & 12.5/80-18 10PR Front Requires axle code 3095. Rear tire chains require wheel spacers (AT347522).	\$1,389.00
4464	Galaxy 19.5L - 24 in. 12 PR Rear & 12.5/80-18 10PR Front Requires axle code 3095. Rear tire chains require wheel spacers (AT347522).	No Added Cost
4891	Firestone 21L - 24 12PR & 12.5/80-18 12PR Traction Sure Grip Lug, Front 92 Inches (2.33 M) overall width. Requires axle code 3095. Rear tire chains require wheel spacers (AT347522).	\$1,980.00

4782	Michelin Radial - 500/70 R24 XMCL Rear & 340/80 R18 XMCL Front 85 in. (2.16 m) overall width. Requires axle code 3095. Rear tire chains require wheel spacers (AT347522). Tire designed for hard surface roading and snow.	\$3,671.00
4781	Firestone 19.5L - 24 In. 10 PR (R4) Tubeless Rear & 12.5/80 - 18 In. 12 PR Traction Front Sure Grip Lug Tires 86 in. (2.18 m) overall width. Requires axle code 3095. Rear tire chains require wheel spacers (AT347522).	\$621.00
4482	Galaxy 550 Radial - 500/70R24 Rear & 340/80R18 Front Requires axle code 3095. Rear tire chains require wheel spacers (AT347522). Tire designed for hard surface roading and snow.	\$3,101.00
44G6	Custom Code - Galaxy 21L 24 in. 12 PR Rear on HD Rim & 12.5/80-18 10PR Front Requires axle code 3095. Rear tire chains require wheel spacers (AT347522).	\$1,134.00
47D8	Custom Code - Goodyear 16.9 x 28 10PR R-4 TL IT525 with 12.5/80 x 18 14PR I-3 Requires axle code 3095. Rear tire chains require wheel spacers (AT347522).	\$1,002.00
	For use with 2 Wheel Drive	
4446	Galaxy 19.5L - 24 in. 12 PR Rear & 12.5/80-18 12PR Front Requires axle code 3025. Rear tire chains require wheel spacers (AT347522).	\$66.00
4450	Galaxy 19.5L - 24 in. 12 PR Rear & 14.5/75-16.1 16PR Front Requires axle code 3025. Rear tire chains require wheel spacers (AT347522).	\$442.00
42C0	Custom Code - 19.5L X 24 10 PR Softrac II R-3 TURF (GY) w/ 12.5/80-18 12PR (Galaxy) Requires code 3025. Rear tire chains require wheel spacers (AT347522).	\$1,156.00
44D2	Custom Code - ALLIANCE 550 RADIAL 2WD - 550/70R24 REAR w/ 340/80R18 FRONT Requires code 3025. Rear tire chains require wheel spacers (AT347522).	\$3,712.00
47D6	Custom Code - Goodyear 16.9/28 10PR R-4 TL IT525 w/ 12.5/80 x 18 14PR I-3. 44 Lugs/rear tire. Sure Grip Lug front tires. This tire is for 2WD only.	\$603.00

Rear tire chains require wheel spacers (AT347522).

4444	Galaxy 21L 24 12PR Rear & 12.5/80-18 12PR Front Requires axle code 3025. Rear tire chains require wheel spacers (AT347522).	No Added Cost
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4452	Galaxy 21L 24 12PR Rear & 14.5/75-16.1 16PR Front Requires axle code 3025. Rear tire chains require wheel spacers (AT347522).	No Added Cost
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Wheels and Tires	Field Installed Attachments - Optional
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AT347522	Rear Wheel Spacers for Rear Tire Chains	\$989.00
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ELECTRICAL

Batteries	Basic Factory Options - Required
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8625	Single Maintenance Free Battery 175 Minute Reserve Capacity (950 CCA) Recommended for use in ambient temperatures ABOVE 32 degrees F (0 degrees C).	No Added Cost
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8635	Single Maintenance Free Battery With Disconnect and Jump Post 175 Minute Reserve Capacity (950 CCA) Recommended for use in ambient temperatures ABOVE 32 degrees F (0 degrees C).	\$257.00
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8675	Dual Maintenance Free Batteries 350 Minute Reserve Capacity (1900 CCA). Recommended for temperatures below 32 degrees F (0 degrees C).	\$287.00
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8685	Dual Maintenance Free Batteries With Disconnect and Jump Post 350 Minute Reserve Capacity (1900 CCA). Recommended for use in ambient temperatures BELOW 32 degrees F (0 degrees C).	\$544.00
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Lighting	Field Installed Attachments - Optional
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9905	Strobe Light with Magnetic Mount	\$588.00
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Light is shipped loose in the cab.

9116 LED Light Package \$1,053.00
 Includes factory installed 2 LED spot lights and 8 LED flood lights in lieu of the standard halogen light package.

Lighting Field Installed Attachments - Optional

AT445010 LED Spot Light Kit \$223.00
 Includes 2 lights.

AT313592 6 inch Amber Warning Light with LED Beacon and Magnetic Roof Mounting Kit \$267.00

AT445009 LED Flood Light Kit \$223.00
 Includes 2 lights.

BYT11137 Boom Light Kit \$409.00
 For use on 310SL (0A71T), 310SL HL (0A81T) and 410L (0AB1T).
 For improved trench visibility. Provides two LED flood light for mounting on the boom.
 Includes rocker switch, mounting hardware and wiring harness.

BACKHOE

Backhoe Dipperstick Basic Factory Options - Required

6010 Standard Dipperstick No Added Cost
 Includes extended stabilizer legs.

6020 Extendible Dipperstick \$8,365.00
 Extended stabilizer legs.

Backhoe Auxiliary Hydraulics Basic Factory Options - Required

6210 No Auxiliary No Added Cost

6220	Auxiliary Hydraulic with One Way Flow (Hammer) Includes plumbing to end of dipperstick.	\$4,087.00
6230	Auxiliary Hydraulic with One & Two Way Flow (Hammer & Thumb/Swinger) Includes factory installed plumbing to end of dipperstick for one and two way flow valve.	\$6,225.00
Backhoe Controls		Basic Factory Options - Required
5285	Pilot Controls, Two Lever, with Pattern Selection Proportional Auxiliary control and extendable dipperstick control integrated into pilot control levers.	\$2,665.00
Backhoe Quick Couplers		Basic Factory Options - Required
5400	Less Coupler - Less Thumb If ordering with thumb, must order option code 5401.	No Added Cost
5401	Less Coupler - Thumb Ready Includes factory installed thumb cylinder mounting ears installed onto dipper. If factory installed thumb option required, order code 9230 - 37 inch tine.	No Added Cost
5410	DEERE Standard Quick Coupler - Less Thumb If ordering thumb, must order option 5411 or 5412. For use with 310SE, SG, SJ, SK, SL; 410E, G, J, K, L backhoe buckets. Not compatible with 310E, G, J, K, L Series Backhoe Buckets.	\$1,538.00
5411	DEERE Standard Quick Coupler - 37 Inch Thumb Ready Includes factory installed thumb cylinder mounting ears installed onto dipper. If factory installed thumb option required, order code 9230 - 37 inch tine. For use with 310SE, SG, SJ, SK, SL; 410E, G,J, K, L backhoe buckets. Not compatible with 310E, G, J, K, L Series Backhoe Buckets.	\$1,538.00
5412	DEERE Standard Quick Coupler - 42 Inch Thumb Ready Includes factory installed thumb cylinder mounting ears installed onto dipper. If factory installed thumb option required, order code 9235 - 42 inch tine. For use with 310SE, SG, SJ, SK, SL; 410E, G,J, K, L backhoe buckets. Not compatible with 310E, G, J, K, L Series Backhoe Buckets.	\$1,538.00
5420	Multi-Brand Quick Coupler - Less Thumb If ordering coupler with thumb, requires option code 5421 or 5422. For use with DEERE C, D, SE, SG, SJ, SK, SL & SL HL Series buckets and with Case K, L, M and CAT C Series Buckets. Not for use with 710 Buckets. Not compatible with Case N-Series.	\$1,719.00

Spacers are recommended for Cat and Case buckets, see bulletin 07BH08 for details.

5421	Multi-Brand Quick Coupler - 37 Inch Thumb Ready	\$1,719.00
	Includes factory installed thumb cylinder mounting ears installed onto dipper. If factory installed thumb option required, order code 9230 - 37 inch tine. For use with DEERE C, D, SE, SG, SJ, SK, SL & SL HL Series buckets and with Case K, L, M and CAT C Series Buckets. Not for use with 710 Buckets. Not compatible with Case N-Series.	
	Spacers are recommended for Cat and Case buckets, see bulletin 07BH08 for details.	
5422	Multi-Brand Quick Coupler - 42 Inch Thumb Ready	\$1,719.00
	Includes factory installed thumb cylinder mounting ears installed onto dipper. If factory installed thumb option required, order code 9235 - 42 inch tine. For use with DEERE C, D, SE, SG, SJ, SK, SL & SL HL Series buckets and with Case K, L, M and CAT C Series Buckets. Not for use with 710 Buckets. Not compatible with Case N-Series.	
	Spacers are recommended for Cat and Case buckets, see bulletin 07BH08 for details.	
5430	Top Hook Quick Coupler - Less Thumb	\$1,421.00
	If ordering with thumb, requires option code 5432. For use with DEERE Top Hook Coupler bucket option codes 5630 or 5660 and CP or Pre-XLS Wain Roy Top Hook Bucket.	
5432	Top Hook Quick Coupler - 42 Inch Thumb Ready	\$1,421.00
	Includes factory installed thumb cylinder mounting ears installed onto dipper. If factory installed thumb option required, order code 9235 - 42 inch tine. Only Compatible with DEERE Top Hook Coupler bucket option code 5660 and CP or Pre-XLS Wain Roy Top Hook Bucket.	
5440	New Series Multi-Brand Quick Coupler - Less Thumb	\$1,768.00
	If ordering with thumb, requires option code 5441 or 5442. For use with CAT D,E, F, Case K-L-M, and DEERE SE, SG, SJ, SK, SL & SL HL Series backhoe buckets except high-capacity buckets and 710 buckets. Not compatible with Case N-Series.	
5441	New Series Multi-Brand Quick Coupler - 37 Inch Thumb Ready	\$1,768.00
	Includes factory installed thumb cylinder mounting ears installed onto dipper. If factory installed thumb option required, order code 9230 - 37 inch tine. For use with CAT D,E, F, Case K-L-M, and DEERE SE, SG, SJ, SK, SL & SL HL Series backhoe buckets except high-capacity buckets and 710 buckets. Not compatible with Case N-Series.	
5442	New Series Multi-Brand Quick Coupler - 42 Inch Thumb Ready	\$1,768.00
	Includes factory installed thumb cylinder mounting ears installed onto dipper. If factory installed thumb option required, order code 9235 - 42 inch tine. For use with CAT D,E, F, Case K-L-M, and DEERE SE, SG, SJ, SK, SL & SL HL Series backhoe buckets except high-capacity buckets and 710 buckets. Not compatible with Case N-Series.	
5460	Rear Hydraulic Coupler for Pin-on Buckets - Less Thumb	\$8,104.00
	If ordering coupler with thumb, requires code 5462. For use on 310SL, 310SL HL, and 410L with a Serial Number of 303524 and Higher. For use with DEERE SE, SG, SJ, SK, SL & SL HL Series pin-on buckets and 410E, G, J, K, and L Series pin-on buckets.	

Not for use with Top Hook Buckets. Reference Bulletins 17BH09 and 16BH17 for bucket compatibility and SSM information.

5462 Rear Hydraulic Coupler for Pin-on Buckets - 42 Inch Thumb Ready \$8,104.00
Includes factory installed thumb cylinder mounting ears installed onto dipper.
If factory installed thumb option required, order code 9235 - 42 inch tine.
For use on 310SL, 310SL HL, and 410L with a Serial Number of 303524 and Higher. For use with DEERE SE, SG, SJ, SK, SL & SL HL Series pin-on buckets and 410E, G, J, K, and L Series pin-on buckets.
Not for use with Top Hook Buckets. Reference Bulletins 17BH09 and 16BH17 for bucket compatibility and SSM information.

5480 Rear Spring Type Quick Coupler - Less Thumb \$3,530.00
If ordering coupler with thumb, requires code 5482.
For use with DEERE SE, SG, SJ, SK, SL & SL HL Series pin-on buckets and 410E, G, J, K, and L Series pin-on buckets. Not for use with Top Hook Buckets. Reference Bulletin 17BH09 for bucket compatibility information.

5482 Rear Spring Type Quick Coupler - 42 Inch Thumb Ready \$3,530.00
Includes factory installed thumb cylinder mounting ears installed onto dipper.
If factory installed thumb option required, order code 9235 - 42 inch tine.
For use with DEERE SE, SG, SJ, SK, SL & SL HL Series pin-on buckets and 410E, G, J, K, and L Series pin-on buckets. Not for use with Top Hook Buckets. Reference Bulletin 17BH09 for bucket compatibility information.

Backhoe Buckets

Basic Factory Options - Required

For Deere buckets:
All buckets include lift holes.

5600 Less Backhoe Bucket with Bucket Pins No Added Cost

5616 12" (305 mm) Wide Bucket, 3.3 Cu. Ft. (0.09 Cu. M.) Capacity Buckets \$1,525.00
Bucket includes TK Teeth.

5626 18" (457 mm) Wide, Heavy-Duty, 5.1 Cu. Ft. (0.14 Cu. M.) Capacity Bucket \$1,739.00
Bucket includes TK Teeth.

5630 Top Hook 18" (457 mm) Wide, Heavy-Duty, 5.1 Cu. Ft. (0.14 Cu. M.) Capacity Coupler Bucket \$1,825.00
Bucket includes TK Teeth.
Requires Code 5430 Top Hook Coupler.

5656 24" (610 mm) Wide, Heavy-Duty, 7.5 Cu. Ft. (0.21 Cu. M.) Capacity Bucket \$1,889.00
Bucket includes TK Teeth.

5658 24" (610 mm) Wide, Severe-Duty, 7.5 Cu. Ft.(0.21 Cu. M.) Capacity Bucket \$2,564.00
Bucket includes TK Teeth.

5660 Top Hook 24" (610 mm) Wide, Heavy-Duty, 8.8 Cu. Ft. (0.25 Cu. M.) Capacity Coupler Bucket \$2,035.00

Bucket includes TK Teeth.
 Requires Code 5430 or 5432 Top Hook Coupler.

5676 24" (610 mm) Wide, Heavy-Duty, 8.8 Cu. Ft. (0.25 Cu. M.) Capacity Bucket \$2,072.00
 Bucket includes TK Teeth.

5678 24" (610 mm) Wide, Severe-Duty, 8.8 Cu. Ft. (0.25 Cu. M.) Capacity Bucket \$2,648.00
 Bucket includes TK Teeth.

Backhoe Auxiliary Hydraulics Field Installed Attachments - Optional

Orders with custom codes are exempt from order response targets. Not all custom codes may be published. If there are specific configuration needs that you don't see available, please contact Dealer Marketing Assistance Center (DMAC): (563) 589-6660. DMAC can also provide assistance in referring Dealers to aftermarket options for customized attachments and field kit installations.

90A1 Custom Code - ACCU-SWING \$670.00

9230 37 Inch Hydraulic Backhoe Thumb - 4 Tine \$9,201.00
 Reference Bulletin 17BH08 for compatibility with couplers and buckets, and to determine necessary thumb length. Requires Two-way Auxiliary Hydraulics, code 6230 or 6240. It does include plumbing for two-way auxiliary valve.

9235 42 Inch Hydraulic Backhoe Thumb - 4 Tine \$9,345.00
 Reference Bulletin 17BH08 for compatibility with couplers and buckets, and to determine necessary thumb length. Requires Two-way Auxiliary Hydraulics, code 6230 or 6240. It does include plumbing for two-way auxiliary valve.

Stabilizer Legs Field Installed Attachments - Optional

9947 Heavy-Duty Stabilizer Pads \$462.00
 Laminated and reinforced rubber, compressed on edge within the steel shoe for improved durability and wear performance.

Backhoe Quick Couplers Field Installed Attachments - Optional

AT393558 Backhoe New Series Multi-Brand Quick Coupler \$1,574.00
 For use with DEERE C-D-SE-SG-SJ-SK-SL Series buckets and with Case K-L-M and Cat D and E Series Buckets Buckets, High Capacity Buckets and 710J Buckets.
 Spacers are recommended for CAT and Case buckets, refer to dealer bulletin 07BH08.

BYT10289 Coupler, Rear Hydraulic for Pin-on Buckets, Extendable Dipperstick \$6,927.00
 For use on 310SL HL and 410L with a Serial Number of 303524 and Higher.
 Requires Valve Plumbing Kit BYT10078.
 Bucket Compatibility: For use with DEERE SE, SG, SJ, SK, SL & SL HL Series pin-on buckets and 410E, G, J, K, and L Series pin-

	on buckets. Not for use with Top Hook Buckets. Reference Bulletins 17BH09 and 16BH17 for bucket compatibility and SSM information.	
AT343629	<p>Coupler, Universal - Pin-grabber style (non-hydraulic)</p> <p>Fits John Deere 310SE, 310SG, 310SJ, 310TJ, 410E, 410G, 410J, 410TJ backhoes For use with DEERE C-D-E-G-J Series buckets and with Case K-L-M and CAT C-D-E Series Buckets. Not for High Capacity Buckets and 710 Buckets. Proper counterweighing is required. See Counterweight Selection Chart. Recommend Backhoe Boom Bolt-on Protection Plate.</p>	\$3,235.00
AT324292	<p>Coupler, Top Hook Backhoe Bucket</p> <p>Fits on 410G, 410J, 410TJ, 310SG, 310SJ, 310TJ Backhoes. For use with Top Hook backhoe bucket from Deere, CP, and Pre-XLS Wain Roy Recommend Backhoe Boom Bolt-on Protection Plate. Proper counterweighing is required. See 310SJ or 410J Counterweight Selection Chart.</p>	\$1,153.00
BYT10288	<p>Coupler, Rear Hydraulic for Pin-On Buckets, Standard Dipperstick</p> <p>For use on 310SL HL and 410L with a Serial Number of 303524 and Higher. Requires Valve Plumbing Kit BYT10078. Bucket Compatibility: For use with DEERE SE, SG, SJ, SK, SL & SL HL Series pin-on buckets and 410E, G, J, K, and L Series pin-on buckets. Not for use with Top Hook Buckets. Reference Bulletins 17BH09 and 16BH17 for bucket compatibility and SSM information.</p>	\$6,927.00
AT336315	<p>Coupler, Multi-Brand Universal Backhoe Bucket</p> <p>For use with CAT B & C Series, Case K-L-M and DEERE SE,SG & SJ Series backhoe buckets except High Capacity Buckets and 710 Buckets. Recommend AT179130 high-strength pin for 300D-510D and 210C-610C 18-36 Inch Buckets Proper counterweighing is required. See Counterweight Selection Chart. Recommend Backhoe Boom Bolt-on Protection Plate. Spacers are recommended for CAT and Case buckets, refer to dealer bulletin 07BH08.</p>	\$1,524.00
AT336316	<p>Coupler, Deere Backhoe Bucket</p> <p>Fits 310SE, 310SG, 310SJ, 310SK, 310SL, 410E, 410G, 410J,410TJ, 410K, 410L backhoes. For use with 310SE, 310SG, 310SJ, 410E, 410G,410J, 410TJ, 410K, 410L backhoe buckets Proper counterweighing is required. See Counterweight Selection Chart. Recommend Backhoe Boom Bolt-on Protection Plate.</p>	\$1,530.00
BYT10333	<p>Coupler, Rear Spring Type Quick Coupler</p> <p>For use with DEERE SE, SG, SJ, SK, SL & SL HL Series pin-on buckets and 410E, G, J, K, and L Series pin-on buckets. Not for use with Top Hook Buckets. Reference Bulletin 17BH09 for bucket compatibility information.</p>	\$3,354.00
	Backhoe Buckets	Field Installed Attachments - Optional
AT436333	<p>BKH Pin-on Bucket 36 In. (914 mm) Heavy-Duty 12.5 Cu. Ft. (0.35 Cu. M.)</p>	\$2,757.00

AT437362	BKH Top Hook Coupler Bucket 18 in. (457 mm) Heavy Duty 5.1 Cu. Ft. (0.14 Cu. M.)	\$1,561.00
AT437700	BKH Pin-on Bucket 18 in (457 mm) Severe Duty 5.1 Cu. Ft. (0.14 Cu. M.)	\$1,765.00
AT437343	BKH Pin-On Bucket 24 In. (610 mm) Heavy Duty 7.5 Cu. Ft. (0.21 Cu. M.)	\$1,616.00
AT437338	BKH Pin-on Bucket 12 In. (305 mm) Heavy-Duty 3.3 Cu. Ft. (0.09 Cu. M.)	\$1,282.00
AT437344	BKH Pin-on Bucket 24 In. (610 mm) Heavy-Duty 8.8 Cu. Ft. (0.25 Cu. M.)	\$1,772.00
AT437701	BKH Pin-on Bucket 24 in (610 mm) Severe Duty 7.5 Cu. Ft. (0.21 Cu. M.)	\$2,193.00
AT437616	BKH Pin-on Bucket 36 In. (914 mm) Ditching 12.5 Cu. Ft. (0.35 Cu. M.)	\$1,810.00
AT437342	BKH Pin-On Bucket 24 In. (610 mm) Standard-Duty 7.5 Cu. Ft. (0.21 Cu. M.)	\$1,667.00
AT437340	BKH Pin-on Bucket 18 In. (457 mm) Heavy-Duty 5.1 Cu. Ft. (0.14 Cu. M.)	\$1,487.00
AT437361	BKH Top Hook Coupler Bucket 12 in. (305 mm) Heavy Duty 3.3 Cu. Ft. (.09 Cu. M.)	\$1,307.00
AT437363	BKH Top Hook Coupler Bucket 24 in. (610 mm) Heavy Duty 7.5 Cu. Ft. (0.21 Cu. M.)	\$1,741.00
AT437345	BKH Pin-on Bucket 30 In. (762 mm) Heavy-Duty 10.0 Cu. Ft. (0.28 Cu. M.)	\$1,835.00
AT437702	BKH Pin-on Bucket 24 in (610 mm) Severe Duty 8.8 Cu. Ft. (0.25 Cu. M.)	\$2,264.00

Stabilizer Legs Field Installed Attachments - Optional

AT376410	Heavy Duty Stabilizer Pads	\$467.00
AT376409	Standard Stabilizer Street Pads	\$234.00

Attachments & Accessories Field Installed Attachments - Optional

AT308138	Forks, Pallet (2) 48 in.(1.22m) with 60 in. (1.52m) Coupler Fork Carriage	\$4,084.00
AT308139	Forks, Pallet (2) 60 in.(1.52m) with 60 in. (1.52m) Coupler Fork Carriage	\$4,652.00
BYT10287	42 Inch Hydraulic Backhoe Thumb - 4 Tine Reference Bulletin 17BH08 for compatibility with couplers and buckets, and to determine necessary thumb length. Requires Two-way Auxiliary Hydraulics, code 6230, 6240, or field installed 2-way auxiliary hydraulic kit.	\$7,069.00
BYT10285	37 Inch Hydraulic Backhoe Thumb - 4 Tine Reference Bulletin 17BH08 for compatibility with couplers and buckets, and to determine necessary thumb length. Requires Two-way Auxiliary Hydraulics, code 6230, 6240, or field installed 2-way auxiliary hydraulic kit.	\$6,981.00
AT366494	Multi-Purpose Flip-Over Forks	\$3,584.00

FRONT LOADER

Loader Buckets Basic Factory Options - Required

Loader Buckets include Skid Plates and Lift Hooks unless stated otherwise.
 Orders with custom codes are exempt from order response targets. Not all custom codes may be published. If there are specific configuration needs that you don't see available, please contact Dealer Marketing Assistance Center (DMAC): (563) 589-6660.
 DMAC can also provide assistance in referring Dealers to aftermarket options for customized attachments and field kit installations.

Pin-On Loader Buckets

Not compatible with 7035 and 7085 Loader Hydraulics.

7635	1.12 Cu. Yd. (0.86 Cu. M.) Heavy-Duty 86 in. (2.18 m) wide Bucket with Bolt-On Cutting Edge and Skid Plates	\$4,314.00
7641	1.25 Cu. Yd. (.96 Cu. M.) 86 in. (2.18 m) Wide Long Lip Bucket with Bolt On Cutting Edge and Skid Plates Requires code 7025, 7075 or 7080.	\$3,946.00
7645	1.3 Cu. Yd. (1.0 Cu. M.) 92 in. (2.34 m) Wide Heavy Duty Long Lip Bucket with Bolt on Cutting Edge and Skid Plates	\$4,531.00
7687	1.32 Cu. Yd. (1.0 Cu. M.), 92 in. (2.34 m) Wide, Multipurpose Bucket with Bolt On Teeth Requires Code 7080, Auxiliary Loader Hydraulic. Includes reversible cutting edge for moldboard and back of clamshell. Includes mounting ears for flip-over forks. Includes two lift holes. Includes skid plates.	\$8,756.00
7685	Wide Multipurpose Bucket 1.32 Cu. Yd. (1.0 Cu. M.), 92 in. (2.34 m). Requires Code 7080, Aux. Loader Hydraulic Includes reversible bolt-on cutting edge and skid plates. Includes reversible cutting edge for moldboard and back of clamshell. Pre-drilled for eight teeth - Order teeth from parts. Includes two lift holes.	\$10,554.00
76A1	Custom Code - 1.30 CU YD MP Bucket with BOCE (4-in-1) and Flip over Fork Kit - Installation Ready Requires 7025 or 7080. Flip over forks not included. Please order field kit: AT366494.	\$8,215.00
7655	1.5 Cu. Yd. (1.15 Cu. M.), 92 in. (2.34 m.) wide Heavy Duty Long Lip Bucket with Bolt-On Cutting Edge and Skid Plates 92 in. (2.34 m.) wide. Includes reversible bolt-on cutting edge and skid plates. Includes two lift holes.	\$5,033.00
	Coupler Loaders Buckets	
	Requires codes 7035 or 7085 Loader Coupler	
7605	Less Coupler Bucket	No Added Cost
7650	1.3 Cu. Yd. (1.0 Cu. M.) 92 in. (2.34 m) wide Heavy-Duty Long-Lip Coupler Bucket with Cutting Edge and Skid Plates	\$4,907.00
7690	1.32 Cu. Yd.(1.0 Cu. M.), 92 in.(234 mm) wide Multipurpose Coupler Bucket	\$9,529.00

Requires Code 7085, Aux. Loader Coupler Hydraulics.
Requires Code 8415, Counterweight.
Cannot be used with code 8475 or 8485 Counterweight.
Includes reversible bolt-on cutting edge and skid plates.
Includes reversible cutting edge for moldboard and back of clamshell.
Pre-drilled for eight teeth - Order teeth from parts.
Includes two lift holes.

7660	1.5 Cu. Yd.(1.15 Cu. M.), 92 in.(2.34 m.) wide Heavy Duty Long Lip Coupler Bucket w/ Bolt-On Cutting Edge & Skid Plates 92 in. (2.34 m.) wide. Includes reversible bolt-on cutting edge and skid plates. Includes two lift holes.	\$5,285.00
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7600	Less Loader Bucket with Pins for Buckets or Front Attachments Old Style pins will be necessary with older buckets and attachments.	No Added Cost
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Loader Controls	Basic Factory Options - Required
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All selections come with Return to Dig feature.
Orders with custom codes are exempt from order response targets. Not all custom codes may be published. If there are specific configuration needs that you don't see available, please contact Dealer Marketing Assistance Center (DMAC): (563) 589-6660.
DMAC can also provide assistance in referring Dealers to aftermarket options for customized attachments and field kit installations.

7025	Two-Function Loader Hydraulics, Single Lever Single lever loader control with electric clutch disconnect and momentary MFWD.	No Added Cost
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7035	Loader Coupler, 2-Function Hydraulics, Single Lever Includes Auto Ride Control, option 9115. Single lever loader control with electric clutch disconnect and momentary MFWD. Will accept G, J, K and L-Series loader coupler buckets	\$6,829.00
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7080	Three-Function Loader Hydraulics, Single Lever Single lever loader control with electric clutch disconnect, momentary MFWD, transmission quick-shift, and electro-hydraulic auxiliary control. For multi-purpose bucket and front attachments. Includes valve with circuit relief and 5 In. (12.7 mm) hoses and steel lines to loader cross tube.	\$3,268.00
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7085	Loader Coupler, 3-Function Hydraulics, Single Lever Includes Auto Ride Control, option 9115. Single lever loader control with electric clutch disconnect, momentary MFWD, transmission quick-shift, and electro-hydraulic auxiliary control. For multi-purpose coupler bucket and front attachments. Includes valve with circuit relief and .5 in. (12.7 mm) hoses and steel lines to loader cross tube. Will accept G, J, K, and L-Series loader coupler buckets.	\$9,974.00
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70B6	Custom Code - Loader Coupler Configuration, 3-Function Hydraulics, Single Lever (Less Coupler) Includes Auto Ride Control, option 9115. Single lever loader control with electric clutch disconnect, momentary MFWD, transmission quick-shift, and electro-hydraulic auxiliary control. Does not include the coupler. For multi-purpose coupler bucket and front attachments. Includes valve with circuit relief and .5 in. (12.7 mm) hoses and steel lines are capped at the cross tube.	\$7,682.00
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Will accept G, J, K, and L-Series loader coupler buckets.

Loader Controls

Field Installed Attachments - Optional

9115	Auto Ride Control	\$2,335.00
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Loader Buckets

Field Installed Attachments - Optional

BYT10700	LDR Pin-on Multipurpose Bucket 1.00 Cu. Yd. (.76 Cu. M.) 82 in. (2.08 m)	\$6,446.00
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Includes Reversible Bolt On Cutting Edge and Skid Plates.
 Includes reversible cutting edge for moldboard and back of clamshell.
 Requires Third Function Loader Control Valve Section, Controls and lines.
 Predrilled for seven teeth.
 Two built-in lift loops
 Proper counterweighting is required.
 See Counterweight Selection Chart.

BYT10701	LDR Pin-on Multipurpose Bucket 1.25 Cu. Yd. (.96 Cu. M.) 86 in. (2.18 m)	\$7,513.00
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Includes Reversible Bolt On Cutting Edge and Skid Plates.
 Includes reversible cutting edge for moldboard and back of clamshell.
 Requires Third Function Loader Control Valve Section, Controls and lines.
 Predrilled for seven teeth.
 Two built-in lift loops
 Proper counterweighting is required.
 See Counterweight Selection Chart.

AT308080	LDR Pin-On Bucket 1.32 Cu. Yd. (1.0 Cu. M.) Heavy Duty Long Lip Bucket	\$3,876.00
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92 in. (2.34 m) wide.
 Includes reversible bolt-on cutting edge with skid plates.
 * Includes two lift holes.

BYT10705	LDR Pin-on Multipurpose 1.25 Cu. Yd. (0.96 Cu. M.), 92 in. (2.34 m) wide bucket flip fork ready	\$7,489.00
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Includes reversible cutting edge for moldboard and back of clamshell.
 Includes bolt-on teeth, flip-fork ready.
 If forks are desired, please order field kit: AT366494.

BYT10703	LDR Pin-on Multi-Purpose Bucket 1.32 Cu. Yd. (1.0 Cu. M.), 92 in. (2.34 m) wide	\$7,564.00
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Includes Reversible Bolt On Cutting Edges and Skid Plates.
 Includes reversible cutting edge for moldboard and back of clamshell.
 Requires Third Function Loader Hydraulics.
 92 in. (2.3 m) bucket width
 Pre-drilled for eight teeth.
 Order teeth from parts.
 Includes two lift holes.
 Proper counterweight is required.
 See Counterweight Selection Chart.

AT308968	LDR Coupler Bucket 1.25 Cu. Yd. (.96 Cu. M.) Heavy Duty 86 in. (2.18 m) wide Long Lip Does not include Bolt-On Cutting Edges or Skid Plates.	\$3,546.00
BYT10708	LDR Coupler Multipurpose 1.3 cu. Yd. (1.0 cu. m), 92 in (2.34 m) wide bucket Includes Reversible Bolt On Cutting Edges and Skid Plates. Includes reversible cutting edge for moldboard and back of clamshell. Requires Code 7085, or Third Function Loader Hydraulics and Loader Coupler. 92 in. (2.3 m) bucket width. Includes reversible bolt-on cutting edge with skid plates. Pre-drilled for eight teeth. Includes two built-in lift loops. Order teeth from parts. Includes two lift holes. Proper counterweight is required. See Counterweight Selection Chart.	\$8,150.00
AT308071	LDR Pin-on Bucket 1.12 Cu. Yd. (.86 Cu. M.) Heavy Duty 86 in. (2.18 m) wide Includes Reversible Bolt On Cutting Edge and Skid Plates.	\$3,689.00
AT308188	LDR Pin-on Bucket 1.2 Cu.Yd. (.90 Cu. M.) Narrow 82 in. (2.08 m) Heavy-Duty Long Lip Narrow and Skid Plates	\$3,042.00
AT308966	LDR Coupler Bucket 1.32 Cu. Yd. (1.0 cu. m) Heavy Duty 92 in. (2.34 m) Long Lip Includes Reversible Bolt On Cutting Edge and Skid Plates.	\$4,197.00
AT308970	LDR Coupler Bucket 1.13 Cu. Yd. (.86 Cu. M.) Heavy Duty 86 in. (2.18 m) wide Long Lip Includes Reversible Bolt On Cutting Edge and Skid Plates.	\$3,766.00
AT308991	LDR Coupler Bucket 1.0 Cu. Yd. (.76 Cu. M.) Heavy Duty 86 in. (2.18 m) wide Includes Reversible Bolt On Cutting Edge with Skid Plates.	\$3,487.00
AT336927	Loader Coupler Attachment Adapter Hook Plates (2) Standard	\$1,934.00
BYT12306	LDR Pin-on Bucket 1.3 Cu. Yd. (1.0 Cu. M.) Heavy Duty 86 in. (2.18 m) wide Long Lip	\$3,375.00

Loader Controls

Field Installed Attachments - Optional

AT452094	Ride Control Plumbing Kit Harness, plumbing, and accumulator for ride control. Must order valve and mounting plate separately. Compatible with both manual and auto ride control.	\$708.00
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AT449593 Auto Ride Control Valve Kit \$570.00
Includes valve and mounting plate. Also requires plumbing kit AT452094. Must order applicable Software Part Number in JDPoint for Field Kit to function properly.

BYT11542 Multi-Purpose Bucket Anti-Drift Valve Kit \$759.00
Prevents clam shell from drifting open during load, carry and three-point stance operations. Kit includes valve, hoses and mounting hardware. Compatible with all Backhoe and Tractor Loader multi-purpose buckets (installation instructions will also detail mounting procedure for buckets produced prior to September 2018)

WEIGHTS AND BALLASTING

Counterweight Basic Factory Options - Required

310SL HL COUNTERWEIGHT SELECTION CHART

Select the Proper Counterweight for the Machine and Optional Equipment

Add/subtract the options front axle percent. Then add the counterweight that gives the desired weight distribution between 27-32% (Target = 30%) to select counterweight.

"To this percent weight, add/subtract the following option percents, according to configuration as ordered."

- Base..... +25.3%
- Backhoe Coupler..... -1.5%
- Backhoe Attachment over 600 lbs..... -2.0%
- Multi-Purpose Loader Bucket..... +5.9%
- Loader Coupler..... +4.4%
- Non-Powered Front Axle -1.3%
- Cab -0.5%

"Choose counterweight which results in the target front axle weight percent"

Counterweight Options

- Bumper 0.0%
- 450 lb. Counterweight +2.5%
- 750 lb. Counterweight +4.0%
- 1,000 lb. Counterweight +5.1%
- 1,250 lb. Counterweight +6.3%

*** Base calculated using an Extendable dipper, Canopy, Mechanical Front Wheel Drive, Standard Loader bucket, and a Standard Backhoe bucket.

8410 Front Cover - For Machines Without a Front Counterweight No Added Cost

8415 Heavy-Duty Bumper - For Machines Without a Front Counterweight \$223.00

8425 450 Lb. (204 kg) Front Counterweight \$615.00

8455	750 Lb. (340 kg) Front Counterweight	\$998.00
8475	1000 Lb. (454 kg) Front Counterweight	\$1,374.00
8485	1250 Lb. (567 kg) Front Counterweight	\$1,758.00

Counterweight	Field Installed Attachments - Optional
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BYT10251	Counterweight, Front, 450 lbs (204 kg) Use with (4) T119912 AND (4) 19M9124.	\$621.00
BYT10255	Counterweight, Front, 1,000 lbs (454 kg) Use with (4) T119912 AND (4) 19M9124.	\$1,388.00
AT409592	Counterweight, Front, 250 lbs (113 kg) If adding to the 450 lb. (204 KG) counterweight, order (4) T151797, (2) 19M9088, AND (2) 14M7291. For 750 lb. (340 KG), 1000 lb. (454 KG) and 1250 lb. (567 KG) counterweights, order (2) T151797 and (2) 19M8976	\$544.00
BYT10256	Counterweight, Front, 1,250 lbs (567 kg) Use with (4) T119912 AND (4) 19M9124.	\$1,794.00
BYT10254	Counterweight, Front, 750 lbs (340 kg) Use with (4) T119912 AND (4) 19M9124.	\$1,008.00

ENGINE

Engine	Basic Factory Options - Required
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1065	John Deere PowerTech™ EWL 4.5L (276 Cu. In.) Engine Meets Final Tier 4 and Stage IV Emissions Net Peak Power of 113 Hp. For use only in areas where EPA Final Tier 4/EU Stage IV is required. Turbocharged. Wet Sleeve Cylinder Liners. 4 Valves / Cylinder. Electronically Controlled HPCR Fuel Delivery System, B20 Biodiesel Compatible. Serpentine Belt with Automatic Belt Tensioner.	\$11,105.00
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Enclosed Safety Fan Guard.
Vertical Spin-On Engine Oil Filter.
Spin-On Fuel Filter with Water Separator.
Dual Safety Element Dry-Type Air Cleaner with Evacuator Valve.
Underhood Catalysts with Vertical Curved Exhaust Stack.
Passive flow-through Exhaust Aftertreatment system Glow plugs.
Electronically controlled, variable-speed cooling fan.

Engine Field Installed Attachments - Optional

9045 Chrome Exhaust Extension \$178.00

9080 Engine Coolant Heater \$172.00

Oil Sampling Ports Field Installed Attachments - Optional

9515 Diagnostic Oil Sampling Ports \$207.00
Requires code engine code 1085 or 1065.
Includes 4 ports:
Engine oil
Engine coolant
Transmission oil
Hydraulic oil

Hydraulic Oil Field Installed Attachments - Optional

9088 Hydraulic Fluid - Hydrau XR Synthetic Oil \$608.00
Intended for colder climates with extreme cold ambient temperatures down to -40C (-40F). Provides all-season capability in ambient temperatures ranging from -40C to 40C (-40F to 104F).

Engine Field Installed Attachments - Optional

AT393180 Environmental Drain Kit \$595.00

BYT11589 Fluid Sampling Ports \$498.00
Not available on Stage II (Tier 2) engines.

For use on Backhoes with a Serial Number 390995 and Higher.

BYT11568	Pre-Cleaner, Engine Air Intake Aspiration style pre-cleaner using engine exhaust to scavenge debris from air filter intake.	\$1,064.00
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MISCELLANEOUS

Guards Field Installed Attachments - Optional

9505	Full MFWD Driveshaft Guard	\$428.00
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9120	Heavy-Duty Grille Frame	\$555.00
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Miscellaneous Field Installed Attachments - Optional

Paint and Rust Protection Field Installed Attachments - Optional

9800	Finish Paint - Decals Not Installed	\$165.00
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9909	Non-Export Rust Preventive Coating Coating protects exposed unpainted surfaces from road salt during shipment.	\$172.00
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Guards Field Installed Attachments - Optional

AT438402	KIT, FULL MFWD GUARD	\$280.00
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AT434236	Rubber Bumper for Grille Frame	\$192.00
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AT305073	Stabilizer Cylinder Guards (Set of Two)	\$314.00
AT333753	Backhoe Boom Protection Plate Bolt on or weld to underside of backhoe boom. Recommended for rental, lease, thumbs/clamps, swingers, jaw buckets, and non-Deere attachments on couplers.	\$608.00
AT371257	MFWD Wheel Fender Kit for 18 in. tires only Requires MFWD and 12.5/80-18 or 340/80R-18 front tires.	\$723.00
BYT11926	Heavy-Duty Grille Screen Kit Compatible with L-Series Backhoe Loaders.	\$561.00
Miscellaneous		Field Installed Attachments - Optional
BYT10312	Stop Kit, Field Kit - Pilot Tower Stow	\$26.00
BYT10330	Rear Wiring Harness for Hammer, Auto Greaser Harness that enables installation of an auto greaser (primarily for hammer use).	\$180.00
AT437905	Jump Start and Battery Disconnect Kit	\$247.00
AT451194	Pivotable Beacon Bracket	\$104.00
AT408903	Mounting kit for multi-purpose (ABC) Dry Chemical Fire Extinguisher Kit Does not Include Fire Extinguisher.	\$100.00

G.R.Mfg. Field Installed Attachments - Optional

G.R. Manufacturing, Inc.
 * Kits listed below must be ordered through John Deere.
 * F.O.B. Trussville, Alabama
 * All kits include installation instructions
 * All warranty, repair parts, technical support and assistance, and sales support and assistance will be the responsibility of G.R. Manufacturing, Inc., and will be handled directly between the Dealer and G.R. Manufacturing, Inc.

G.R. Manufacturing, Inc.
 4800 Commerce Drive
 Trussville, Alabama 35173

Phone: (800)841-8001
Fax: (205)655-8005

AT441379 Guard, Transmission Bottom \$1,880.00
Kit is not compatible with the factory MWFD guard (option code 9505) or the MFWD field kit (BYT11208).

HYDRAULICS

Hydraulics

Field Installed Attachments - Optional

BYT11010 Hydraulic Plumbing, Bulk Head to Deere Thumb Cylinder - Standard Dipperstick \$88.00
For use with serial numbers after 338468.
Must be configured with 6230 or 6240 or BYT11006, BYT11693, BYT11014, BYT11015.
Average installation, 2 hours.
For Low Flow intermittent usage (Thumb, Auger, Rotation Circuit, etc.)
Requires unit to have unused 5th, 6th or 7th 2 way hydraulic functions. 310L EP and 310L controlled by foot pedal. 310SL, 310SL HL and 410L controlled by thumb roller in pilot joystick.
For installation instructions, please reference DTAC Solution 115211.

BYT10279 Loader Coupler, Hydraulic \$7,841.00
For use on Backhoes with a Serial Number 390995 and Higher.
L-Series backhoes must order applicable Software Part Number in JDPoint for Field Kit to function properly.

BYT11011 Hydraulic Plumbing, Bulk Head to Deere Thumb Cylinder - Extendable Dipperstick \$88.00
For use with serial numbers after 338468.
Must be configured with 6230 or 6240 or BYT11016, BYT11694, BYT11018, BYT11019.
Average installation, 2 hours.
For Low Flow intermittent usage (Thumb, Auger, Rotation Circuit, etc.)
Requires unit to have unused 5th, 6th or 7th 2 way hydraulic functions. 310L EP and 310L controlled by foot pedal. 310SL, 310SL HL and 410L controlled by thumb roller in pilot joystick.
For installation instructions, please reference DTAC Solution 115211.

AT431340 Accu-Swing Kit for Backhoe \$492.00
Includes two circuit reliefs, fittings, clamps and hardware.
Installation instructions T210751.

AT431164 Controlled Lowering Device for Backhoe Boom Cylinder \$2,734.00

AT450466 Auxiliary Backhoe Hydraulics for Auger, Extendable Dipperstick \$384.00
Includes fittings and hydraulic couplers for bucket cylinder.
Average installation, 1 hour.
Bucket cylinder hoses are disconnected; bucket function operates auger forward and reverse. No additional controls are required.
Dealer must supply 0.5 inch (12.7 mm) ID hoses from bucket cylinder hydraulic couplers to auger.

AT455624 Sixth Function Manual Valve Kit (2 way flow for thumb swinger or grapple) \$1,052.00

Valve section and two hoses.
 Pedal and linkage ordered separately.
 For use with Manual Controls 5225.

BYT11014	<p>Auxiliary Backhoe Hydraulic Plumbing Kit, Two-Way Proportional Flow - Standard Dipperstick</p> <p>For use with serial numbers after 338456. Includes plumbing to bulkhead at the end of the dipperstick. Average installation, 2 hours. Includes two circuit reliefs, fittings, clamps, hoses and hardware. For Low Flow intermittent usage (Thumb, Auger, Rotation Circuit, etc.) Requires unit to have unused 5th, 6th or 7th 2 way hydraulic functions. Controlled by thumb roller in pilot joystick. Quick connect couplers and jumper hoses from bulkhead to attachment not included. If installing hydraulic thumb, additional thumb plumbing kit is required (BYT11010). Please reference DTAC Solution 115211.</p>	\$597.00
AT448428	<p>Hand Held Hydraulics</p> <p>Plumbing routed from the backhoe valve to above the battery box for hook up of hand held attachments. Average installation, 4 hours. Includes two circuit reliefs, fittings, clamps and hardware. Requires Selective Flow Valve. Installed in Battery Box.</p>	\$464.00
BYT11018	<p>Auxiliary Backhoe Hydraulic Plumbing Kit, Two-Way Proportional Flow - Extendable Dipperstick</p> <p>For use with serial numbers after 338456. Includes plumbing to bulkhead at the end of the dipperstick. Average installation, 2 hours. Includes two circuit reliefs, fittings, clamps, hoses and hardware. For Low Flow intermittent usage (Thumb, Auger, Rotation Circuit, etc.) Requires unit to have unused 5th, 6th or 7th 2 way hydraulic functions. 310SL HL and 410L controlled by thumb roller in pilot joystick. Quick connect couplers and jumper hoses from bulkhead to attachment not included. If installing hydraulic Deere thumb, additional thumb plumbing kit is required (BYT11011). Please reference DTAC Solution 115211.</p>	\$597.00
BYT11079	<p>1-Way (Select Flow) Auxiliary Hydraulics Bulkhead - Bucket Cylinder Mounted</p> <p>This field kit provides an alternative connection point for 1-way (select) flow hydraulics. The bulkhead will accept existing factory sourced plumbing, normally attached to dipper side sheets. Kit consists of two clamps and bulkhead bracket.</p>	\$216.00
BYT11701	<p>Selective Flow Control Kit (1 way flow for use with hammer or compactor)</p> <p>For use on Backhoes with a Serial Number 390995 and Higher. Selective flow control to the backhoe valve for switch control of auxiliary hydraulics. Does not include plumbing kit.</p>	\$1,759.00
BYT12205	<p>Auxiliary Backhoe Hydraulic Selective Flow Plumbing Kit - Standard Dipperstick</p> <p>Installation instructions T453413. Average installation, 2 hours. Requires Standard Dipperstick. Requires Five Function Plus Selective Flow OR Selective Flow. Includes boom and dipperstick hydraulic lines, and hardware for attaching hoses and lines from the selective flow valve section to end of Dipperstick. Required for hammers, compactors, high or low flow motor attachments mounted on end of dipperstick.</p>	\$610.00
BYT11688	<p>Auxiliary Loader Control Valve with 3 Function Hydraulics - Single Lever</p> <p>For use on 310SL (0A71T), 310SL HL (0A81T) and 410L (0AB1T). For use on Backhoes with a Serial Number 390995 and Higher.</p>	\$4,031.00

Must order applicable Software Part Number in JDPoint for Field Kit to function properly.

BYT11992	Sixth Function Valve Kit (2 way flow for thumb swinger or grapple) For use on Backhoes with a Serial Number 390995 and Higher. Must order applicable Software Part Number in JDPoint for Field Kit to function properly. Valve section and two hoses. For use with Pilot Controls 5285. If the machine is not equipped with single lever loader control (SLLC) and loader auxiliary, also order: AT472332 Auxiliary Valve Controller (AVC) AT432173 Wiring Harness 14M7303 Nut (Qty 4) 19M7775 Cap Screw M6 X 16 (Qty 4)	\$3,048.00
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Manufacturer's Suggested List Price shown. Retail prices may vary by dealer. Unless stated otherwise, taxes, freight, setup, delivery and other dealer specific charges not included in the pricing. Options/items noted with anything other than price will have additional costs. Pricing, availability, and specifications subject to change without notice. Special program pricing may be available on certain models. See dealer for details. Prices shown are in U.S. dollars and valid only in the U.S.