

**JOHN DEERE**

Current Date 02Jan2019

310SL BACKHOE LOADER

310SL Standard Equipment

COOLING SYSTEM:	ISO (Deere) 2 Lever Mechanical Backhoe Controls	Engine Coolant Temperature Gauge Fuel Gauge Transmission Oil Temperature Gauge Electric Monitor System with Audible and Visual Warning:
Engine Radiator		
Engine Coolant -40 Degrees F (-40C)	Reversible Pad Stabilizer Feet with integrated lock Stabilizer Two-Direction Anti-Drift Valves	Air Cleaner restriction Low Alternator Voltage Engine Oil Pressure Hydraulic Filter Restriction Park Brake On-Off Seat Belt Engine Coolant Temperature
Coolant Recovery Take with Low Level Indicator	Less Bucket with Bucket Pins	
Oil-to-Water Engine Oil Cooler		
Fold-Out, Hinged Cooling System	LOADER:	
High Ambient Temperature Engine Coolant	Return-To-Dig Feature Bucket Level Indicator Hydraulic Self-Leveling (anti- spill)	
POWERTRAIN:	Single Lever Control with Electric Clutch Cut-off Switch	Transmission Oil Temperature Fuel Electric Hourmeter/ Tachometer / Voltmeter Sealed Switch Module Keyless Start Machine Security 12 Volt Outlets (2) Horn Interior Rearview Mirror Rotary Hand Trottle Suspended Foot Throttle Built-In Operator's Manual Storage Compartment Built- In Cup Holder, Coat Hook Lockable Right-Side Storage
Powershift Transmission with Torque Converter	Less Bucket with Bucket Pins	
Electronic Transmission controller with on-board diagnostics	Loader Boom Service Lock High-Visibility Loader Arms	
Single Electric Transmission Control Lever (Forward/Neutral/Reverse) with integrated gear selection & horn	ELECTRICAL:	
Vertical Spin-on transmission Filter	12 Volt System 120 Amp Alternator (canopy)	
Auto Shutdown	(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	
Planetary Final Drives		
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)		OVERALL VEHICLE: (2) Front and (2) Rear built- In tie Downs One Piece Unitized Construction Mainframe Extended Grille Frame Dent Resistant Rear Fenders
Parking/Emergency Brake: Independent of Service Brakes (Conforms to		Vandal Protection Locking for:

ISO 3450) Spring Applied, Hydraulically Released, Wet Multi-Disc	OPERATOR STATION: Modular Design ROPS/FOPS Level 2 Canopy Isolation Mounted with Molded Roof (Conforms to SAE J1040) Left and Right Side Access Molded Floor Mat and Headliner Slip Resistant Steps and Ergonomically Located Handholds (Conforms to SAE J185) Seat, Deluxe Deep Foam, Vinyl Cover, High Back with Adjustable: Suspension for Weight/Height Fore-Aft Lumbar Adjustments Arm Rests 3 In. Seat Belt with Retractor	Engine Hood Monitor Tool Box Fuel Tank Hydraulic Reservoir 37 Gal. (140L) Fuel Tank Reverse Warning Alarm 19.5L - 24 In. 12 PR (R4) Tubeless Rear and 12.5/80 - 18 In. 10 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
HYDRAULICS: 36 GPM (136 L/m) Tandem Gear Pump - Open Center Dedicated Hydraulic Reservoir 6 Micron Vertical Spin-On Filter "O" Ring Face Seal Connectors Circuit Relief Valve Protection Economy Mode Auto Idle		
BACKHOE: Backhoe Transport Lock Lever Swing Locking Pin Stored in Op. Station		

Required - *You must select one from each category*

▼ BASE MACHINE

Ex-Works Dubuque,Iowa, United States of America

As not all option codes have field kits, please review your order option codes and available kits prior to placing a machine order.

Description	Code	Price
310SL BACKHOE LOADER	0A70T	\$115,807.00

▼ 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 Cellular - 5 Years	170C	No Added Cost

Includes JDLink hardware: integrated cab wiring harness, antenna, 4G LTE modular telematics gateway (MTG), Wi-Fi data transfer, Blue Tooth capability 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 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 Satellite - 5 Years	170J	\$2,233.00
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Includes JDLink hardware: integrated cab wiring harness, antenna, 4G LTE modular telematics gateway (MTG), Wi-Fi data transfer, Blue Tooth capability 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 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.

OPERATOR'S MANUAL AND DECALS

Description	Code	Price
English Decals with English Operator and Safety Manuals	2401	No Added Cost

English decals installed and English operator's manual.
Requires engine code 1065.

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

No Text Labels with Spanish Operator and Safety Manuals	2411	No Added Cost
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Requires engine code 1075 or 1085.

No Text Labels with French Operator and Safety Manuals	2412	No Added Cost
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Requires engine code 1075 or 1085.

No Text Labels with Thai and English Operator and Safety Manuals	2414	No Added Cost
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FRONT AXLE AND TRANSMISSION

Description	Code	Price
2 Wheel Drive Powershift Transmission	3035	(\$9,872.00)

With 5F/3R Powershift Transmission.
Includes torque converter with electrically actuated twist grip TCL in 1st

through
5th gears.

Mechanical Front Wheel Drive (MFWD) with Limited Slip Differential	3065	No Added Cost
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5F/3R Powershift Transmission.
Includes torque converter with electrically actuated twist grip TCL in 1st through 5th gears.

Mechanical Front Wheel Drive (MFWD) with Limited Slip Differential Autoshift Transmission	3095	\$2,876.00
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5F/3R Autoshift Transmission.
Autoshift can turned on/off in the SSM. When Autoshift if off, Backhoe will operate with Powershift transmission.

▼ WHEELS AND TIRES

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.

Description	Code	Price
<u>For use with MFWD</u>		
Galaxy 580 Radial - 500/70R24 Rear & 340/80R18 Front	4484	\$2,186.00
Requires axle code 3065 or 3095. Tire designed for off-road operation.		
Galaxy 21L 24 in. 12 PR Rear & 12.5/80-18 10PR Front	4466	\$1,352.00
Requires axle code 3065 or 3095. Rear tire chains require wheel spacers.		
Galaxy 19.5L - 24 in. 12 PR Rear & 12.5/80-18 10PR Front	4464	No Added Cost
Requires axle code 3065 or 3095. Rear tire chains require wheel spacers.		
Firestone 21L - 24 12PR & 12.5/80-18 12PR Traction Sure Grip Lug, Front	4891	\$1,927.00
92 Inches (2.33 M) overall width. Requires axle code 3065 or 3095. Rear tire chains require wheel spacers.		
Michelin Radial - 500/70 R24 XMCL Rear & 340/80 R18 XMCL Front	4782	\$3,573.00
85 in. (2.16 m) overall width. Requires axle code 3065 or 3095. Rear tire chains require wheel spacers.		
Firestone 19.5L - 24 In. 10 PR (R4) Tubeless Rear & 12.5/80 - 18 In. 12 PR Traction Front Sure Grip Lug Tires	4781	\$604.00

86 in. (2.18 m) overall width.
Requires axle code 3065 or 3095.
Rear tire chains require wheel spacers.

Galaxy 16.9-28 12PR Rear & 12.5/80 10PR Front	4468	\$298.00
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Requires axle code 3065 or 3095.
Not recommended for use with chains.

Galaxy 550 Radial - 500/70R24 Rear & 340/80R18 Front	4482	\$3,018.00
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Requires axle code 3065 or 3095.
Tire designed for hard surface roading and snow.

Custom Code - Galaxy 21L 24 in. 12 PR Rear on HD Rim & 12.5/80-18 10PR Front	44G6	\$1,134.00
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Requires axle code 3065 or 3095.

Custom Code - Goodyear 16.9 x 28 10PR R-4 TL IT525 with 12.5/80 x 18 14PR I-3	47D8	\$1,002.00
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Requires axle code 3065 or 3075.

For use with 2 Wheel Drive

Galaxy 16.9-28 12 PR Rear & 12.5/80-18 12PR Front	4440	\$370.00
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Requires axle code 3035.
Not recommended for use with chains.

Galaxy 21L 24 12PR Rear & 12.5/80-18 12PR Front	4444	No Added Cost
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Requires axle code 3035.
Rear tire chains require wheel spacers.

Galaxy 19.5L - 24 in. 12 PR Rear & 12.5/80-18 12PR Front	4446	\$64.00
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Requires axle code 3035.
Rear tire chains require wheel spacers.

Galaxy 19.5L - 24 in. 12 PR Rear & 14.5/75-16.1 16PR Front	4450	\$430.00
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Custom Code - 19.5L X 24 10 PR Softrac II R-3 TURF (GY) w/ 12.5/80-18 12PR (Galaxy)	42C0	\$1,134.00
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Requires code 3035.

Custom Code - ALLIANCE 550 RADIAL 2WD - 550/70R24 REAR w/ 340/80R18 FRONT	44D2	\$3,247.00
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▼ OPERATOR'S STATION

Description	Code	Price
Canopy (ROPS/FOPS)	2015	No Added Cost

Isolation mounted Modular design ROPS/FOPS Level 2 (meets ISO 3449 & ISO 3471 / SAE J1040) Molded roof.
Molded floor mats if Code 5285 is ordered .
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

Quarter Cab (Window in Front)	2010	\$1,194.00
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Isolation mounted Modular design ROPS/FOPS Level 2 (meets ISO 3449 & ISO 3471 / SAE J1040) Molded roof.
Molded floor mats if Code 5285 is ordered.
Mechanical Suspension Deluxe, Vinyl, Swivel Seat with Lumbar Adjustment and Arm Rests, Fully Adjustable.
3 In. Retractable Seat Belt.
Front wiper with windshield washer
(2) front driving/working halogen lights - 35,200 Candlepower Each
(2) rear working halogen lights - 35,200 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

Cab	2035	\$12,889.00
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Isolation mounted Modular design ROPS/FOPS Level 2 (meets ISO 3449 & ISO 3471 / SAE J1040) Molded roof.
Tinted safety glass.
Deluxe interior trim.
Headliner.
Molded floor mats.
Less Radio.
Air Conditioning 26,000 BTU.
CFC free R134a refrigerant.
Heater/defrosters/pressurizer, 40,000 BTU, 3 speed.
Mechanical Suspension Deluxe, Cloth, Swivel Seat with Lumbar Adjustment and Arm Rests, Fully Adjustable.
3 in Seat Belt.
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).

BATTERIES

Description	Code	Price
Single Battery, 150 Minute Reserve Capacity (950 CCA)	8625	No Added Cost

Recommended for use in ambient temperatures ABOVE 32 degrees F (0 degrees C).

Single Battery With Disconnect and Jump Post	8635	\$250.00
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Recommended for use in ambient temperatures ABOVE 32 degrees F (0 degrees C).

Dual Maintenance Free Batteries	8675	\$279.00
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300 Minute Reserve Capacity (1900 CCA).
Recommended for temperatures below 32 degrees F (0 degrees C).

Dual Maintenance Free Batteries With Disconnect and Jump Post	8685	\$529.00
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Recommended for use in ambient temperatures BELOW 32 degrees F (0 degrees C).

▼ BACKHOE DIPPERSTICK

Description	Code	Price
Standard Dipperstick	6010	No Added Cost

Standard stabilizer legs.

Extendible Dipperstick	6020	\$8,141.00
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Extended stabilizer legs.

▼ BACKHOE AUXILIARY HYDRAULICS

Description	Code	Price
No Auxiliary	6210	No Added Cost

Auxiliary Hydraulic with One Way Flow (Hammer)	6220	\$2,685.00
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Includes plumbing to end of dipperstick.

Auxiliary Hydraulic with One & Two Way Flow (Hammer & Thumb/Swinger)	6230	\$4,459.00
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Includes factory installed plumbing to end of dipperstick for one and two way flow valve.

▼ BACKHOE CONTROLS

Description	Code	Price
Mechanical Controls, Two Lever, ISO (DEERE)	5225	No Added Cost

Pilot Controls, Two Lever, with Pattern Selection	5285	\$2,594.00
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Horn button integrated into pilot control levers.

▼ BACKHOE QUICK COUPLERS

Description	Code	Price
Less Coupler	5400	No Added Cost

DEERE Standard Quick Coupler	5410	\$1,231.00
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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.

Multi-Brand Quick Coupler	5420	\$1,399.00
<p>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.</p> <p>Spacers are recommended for Cat and Case buckets, see bulletin 07BH08 for details.</p>		
Top Hook Quick Coupler	5430	\$1,122.00
<p>For use with DEERE Top Hook Coupler bucket codes 5630 or 5660 and CP or Pre-XLS Wain Roy Top Hook Bucket.</p>		
New Series Multi-Brand Quick Coupler	5440	\$1,444.00
<p>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.</p>		
Universal Coupler - Pin-grabber style coupler (non-hydraulic)	5450	\$2,761.00
<p>For use with DEERE C, D, SE, SG, SJ, SK, SL & SL HL Series buckets and with Case K, L, M, N and CAT C, D, E & F Series Buckets. Not for High Capacity Buckets and 710 Buckets.</p>		
Rear Hydraulic Coupler for Pin-on Buckets	5460	\$7,317.00
<p>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.</p>		
Rear Spring Type Quick Coupler	5480	\$3,077.00
<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>		

BACKHOE BUCKETS

For Deere buckets:
All buckets include lift holes.

Description	Code	Price
Less Backhoe Bucket with Bucket Pins	5600	No Added Cost
12 In. (305 mm) Wide Bucket, 3.3 Cu. Ft. (0.09 Cu. M.) Capacity Buckets	5616	\$1,101.00
Bucket includes TK Teeth.		
18" (457 mm) Wide, Heavy-Duty, 5.1 Cu. Ft. (0.14 Cu. M.) Capacity Bucket	5626	\$1,309.00
Bucket includes TK Teeth.		

Top Hook 18" (457 mm) Wide, Heavy-Duty, 5.1 Cu. Ft. (0.14 Cu. M.) Capacity Coupler Bucket	5630	\$1,278.00
Bucket includes TK Teeth. Requires Code 5430 Top Hook Coupler.		
24" (610 mm) Wide, Heavy-Duty, 7.5 Cu. Ft. (0.21 Cu. M.) Capacity Bucket	5656	\$1,333.00
Bucket includes TK Teeth.		
Top Hook 24" (610 mm) Wide, Heavy-Duty, 8.8 Cu. Ft. (0.25 Cu. M.) Capacity Coupler Bucket	5660	\$1,772.00
Bucket includes TK Teeth. Requires Code 5430 Top Hook Coupler.		
24" (610 mm) Wide, Severe-Duty, 7.5 Cu. Ft. (0.21 Cu. M.) Capacity Bucket	5658	\$1,753.00
Bucket includes TK Teeth.		
24" (610 mm) Wide, Heavy-Duty, 8.8 Cu. Ft. (0.25 Cu. M.) Capacity Bucket	5676	\$1,825.00
Bucket includes TK Teeth.		
24" (610 mm) Wide, Severe-Duty, 8.8 Cu. Ft. (0.25 Cu. M.) Capacity Bucket	5678	\$1,995.00
Bucket includes TK Teeth.		

▼ LOADER CONTROLS

All selections come with Return to Dig feature.

Description	Code	Price
Two-Function Loader Hydraulics, Single Lever	7025	No Added Cost
Single lever loader control with electric clutch disconnect and momentary MFWD.		
Loader Coupler, 2-Function Hydraulics, Single Lever	7035	\$6,646.00
Single lever loader control with electric clutch disconnect and momentary MFWD. Includes Ride Control Cannot be used with Code 9110 Ride Control Will accept G, J, K, and L-Series loader coupler buckets		
Three-Function Loader Hydraulics, Single Lever	7080	\$3,181.00
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.		
	7085	\$9,707.00

Loader Coupler, 3-Function Hydraulics, Single Lever

Single lever loader control with electric clutch disconnect, momentary MFWD, transmission quick-shift, and electro-hydraulic auxiliary control. Includes Ride Control.

Not for use with Code 9110 Ride 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.

 LOADER BUCKETS

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.

Loader Buckets include Skid Plates and Lift Hooks unless stated otherwise.

Description	Code	Price
Less Loader Bucket with Pins for Buckets or Front Attachments	7600	No Added Cost

Old Style pins will be necessary with older buckets and attachments.

Pin-On Loader Buckets

Not compatible with 7035 and 7085 Loader Hydraulics.

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	7645	\$3,332.00
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1.32 Cu. Yd. (1.0 Cu. M.), 92 in. (2.34 m) Wide, Multipurpose Bucket with Bolt On Teeth	7687	\$7,007.00
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Requires Code 7075 or 7080, Auxiliary Loader Hydraulic.

Includes mounting ears for flip-over forks.

Includes two lift holes.

Includes skid plates.

Includes reversible cutting edge for moldboard and back of clamshell.

1.11 Cu. Yd. (0.85 Cu. M.) Heavy-Duty 86 in. (2.18 m) wide Bucket with Bolt-On Cutting Edge and Skid Plates	7635	\$3,177.00
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1.25 Cu. Yd. (.96 Cu. M.) 86 in. (2.18 m) Wide Long Lip Bucket with Factory Skid Plates	7640	\$3,027.00
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Does not include Bolt-On Cutting Edges or Additional Skid Shoes.

Wide Multipurpose Bucket	7685	\$7,390.00
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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.

Pre-drilled for eight teeth - Order teeth from parts.

Includes two lift holes.

Includes reversible cutting edge for moldboard and back of clamshell.

1.30 CU YD MP Bucket with BOCE (4-in-1) and Flip over Fork Kit - Installation Ready	76A1	\$7,825.00
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Requires 7075 or 7080.

Coupler Loaders Buckets

Requires codes 7035 or 7085 Loader Coupler

Less Coupler Bucket	7605	No Added Cost
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	7650	\$3,428.00
1.32 Cu. Yd. (1.0 Cu. M.), 92 in. (234 mm) wide Multipurpose Coupler Bucket	7690	\$7,612.00

Requires Code 7085, Aux. Loader Coupler Hydraulics.
Requires Code 6020, Extendible Dipperstick.
Requires Code 8415, Counterweight.
Cannot be used with a counterweight (codes 8425, 8455, 8475, or 8485).
Includes reversible bolt-on cutting edge and skid plates.
Pre-drilled for eight teeth - Order teeth from parts.
Includes two lift holes.
Includes reversible cutting edge for moldboard and back of clamshell.

▼ COUNTERWEIGHT

310SL 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..... +30.0%
- Extendable..... -4.7%
- 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 Standard dipper, Canopy, Mechanical Front Wheel Drive, Standard Loader bucket, and a Standard Backhoe bucket.

Description	Code	Price
Front Cover - For Machines Without a Front Counterweight	8410	No Added Cost
Heavy-Duty Bumper - For Machines Without a Front Counterweight	8415	\$217.00
450 Lb. (204 kg) Front Counterweight	8425	\$599.00
750 Lb. (340 kg) Front Counterweight	8455	\$971.00

1000 Lb. (454 kg) Front Counterweight	8475	\$1,337.00
1250 Lb. (567 kg) Front Counterweight	8485	\$1,711.00

▼ ENGINE

Description	Code	Price
John Deere PowerTech Plus 4.5L (276 Cu. In.) Engine Meets Final Tier 4 and Stage IV Emissions	1065	\$9,760.00

With Net Peak Power of 99 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 .
Cooled Exhaust Gas Recirculation.
Serpentine Belt with Automatic Belt Tensioner.
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 with Grid Heater.
Electronically controlled, variable-speed cooling fan.

Optional - *Select as desired*

▼ OPERATOR'S STATION

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.

Description	Code	Price
Front View Mirror	9060	\$80.00
Headliner - Canopy	9117	\$145.00
Tilt Steering - Canopy	9118	\$546.00
Floor Mat - Canopy	9119	\$364.00
Left Side Console Storage with Cup Holders	9210	\$79.00
Radio, Bosch Premium Package	9916	\$1,320.00
AM/FM/Weather Radio, Bluetooth capable with microphone, 3.5mm auxiliary input, USB input, roof power port, roof storage compartment.		
Radio, Bosch Basic Package	9917	\$850.00
AM/FM/Weather Radio		
Sun Visor	9919	\$92.00
Exterior Rear View Mirrors (2)	9920	\$334.00

Seat, Cloth Air-Suspension	9965	\$490.00
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For enclosed Cab.

Seat, Cloth Air-Suspension - Heated	9970	\$967.00
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For enclosed Cab.

Seat, Vinyl Air-Suspension	9975	\$490.00
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For open ROPS or enclosed Cab.

Custom Code - Less A/C	98C0	(\$622.00)
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▼ LIGHTING

Description	Code	Price
Strobe Light with Magnetic Mount	9905	\$572.00

Light is shipped loose in the cab.

LED Light Package	9116	\$1,025.00
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Includes factory installed 2 LED spot lights and 8 LED flood lights in lieu of the standard halogen light package.

▼ BACKHOE AUXILIARY HYDRAULICS

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.

Description	Code	Price
Custom Code - ACCU-SWING	90A1	\$603.00

▼ THUMB

Description	Code	Price
37 Inch Hydraulic Backhoe Thumb - 4 Tine	9230	\$5,545.00

Reference Bulletin 17BH08 for compatibility with couplers and buckets, and to determine necessary thumb length. Requires Two-way Auxiliary Hydraulics, code 6230. It does include plumbing for two-way auxiliary valve.

42 Inch Hydraulic Backhoe Thumb - 4 Tine	9235	\$5,625.00
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Reference Bulletin 17BH08 for compatibility with couplers and buckets, and to determine necessary thumb length. Requires Two-way Auxiliary Hydraulics, code 6230. It does include plumbing for two-way auxiliary valve.

▼ STABILIZER LEGS

Description	Code	Price
Standard Stabilizer Legs	9035	(\$714.00)

▼ CYLINDER

Description	Code	Price
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Heavy-Duty Backhoe Bucket Cylinder	9140	\$266.00
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Increases backhoe bucket breakout force by 27%.

▼ **LOADER CONTROLS**

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.

Description	Code	Price
Ride Control	9110	\$1,935.00

Custom Code - Auto Ride Control	91C0	\$852.00
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Requires 7035, 7085 or 9110.

▼ **ENGINE**

Description	Code	Price
Chrome Exhaust Extension	9045	\$173.00

Engine Coolant Heater	9080	\$167.00
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Electric Ether Start Aid without Ether Canister	9085	\$310.00
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Not for use with engine code 1065 (Final Tier Engine).

▼ **OIL SAMPLING PORTS**

Description	Code	Price
Diagnostic Oil Sampling Ports	9515	\$201.00

Requires code engine code 1085 or 1065.

Includes 4 ports:
Engine oil
Engine coolant
Transmission oil
Hydraulic oil.

▼ **HYDRAULIC OIL**

Description	Code	Price
Hydraulic Fluid - Hydrau XR Synthetic Oil	9088	\$592.00

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).

▼ **GUARDING**

Description	Code	Price
Full MFWD Driveshaft Guard	9505	\$417.00

▼ **PAINT AND RUST PROTECTION**

Description	Code	Price
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Non-Export Rust Preventive Coating	9909	\$167.00
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Coating protects exposed unpainted surfaces from road salt during shipment.

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 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
Attachments & Accessories		
37 Inch Hydraulic Backhoe Thumb - 4 Tine	BYT10285	\$6,407.00
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.		
42 Inch Hydraulic Backhoe Thumb - 4 Tine	BYT10287	\$6,487.00
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.		
Backhoe Interface Adapter, Hydraulic Hammer	AT371338	\$788.00
Requires AT450567 Pins and Bushings Kit.		
Backhoe New Series Multi-Brand Quick Coupler	AT393558	\$1,444.00
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.		
Coupler, Deere Backhoe Bucket	AT336316	\$1,404.00
Fits 310SE, 310SG, 310SJ, 410E, 410G, 410J,410TJ backhoes. For use with 310SE, 310SG, 310SJ, 410E, 410G, 410J, 410TJ backhoe buckets Proper counterweighting is required. See Counterweight Selection Chart. Recommend Backhoe Boom Bolt-on Protection Plate.		
Coupler, Multi-Brand Universal Backhoe Bucket	AT336315	\$1,399.00
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 counterweighting 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.

Coupler, Rear Hydraulic for Pin-On Buckets, Standard Dipperstick	BYT10288	\$6,357.00
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For use on 310SL with a Serial Number of 303524 and Higher. Requires Valve Plumbing Kit BYT10077. 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.

Coupler, Rear Hydraulic for Pin-On Buckets, includes valve and plumbing, Extendable Dipperstick	BYT10078	\$960.00
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Used in the installation process of Rear Hydraulic Coupler BYT10289.

Coupler, Rear Hydraulic for Pin-On Buckets, includes valve and plumbing, Standard Dipperstick	BYT10077	\$960.00
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Used in the installation process of Rear Hydraulic Coupler BYT10288.

Coupler, Rear Hydraulic for Pin-on Buckets, Extendable Dipperstick	BYT10289	\$6,357.00
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For use on 310SL with a Serial Number of 303524 and Higher. Requires Valve Plumbing Kit BYT10077. 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.

Coupler, Top Hook Backhoe Bucket	AT324292	\$1,058.00
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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.

Coupler, Universal - Pin-grabber style (non-hydraulic)	AT343629	\$3,646.00
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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.

Heavy Duty Stabilizer Pads	AT376410	\$450.00
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Jump Start and Battery Disconnect Kit	AT437905	\$238.00
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Pivotable Beacon Bracket	AT451194	\$100.00
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Standard Stabilizer Street Pads	AT376409	\$226.00
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[Attachments & Accessories](#)

Coupler, Rear Spring Type Quick Coupler	BYT10333	\$3,077.00
<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>		
<u>Backhoe</u>		
LDR Coupler Multi-Purpose Bucket 1.32 Cu. Yd. (1.0 cu. m) 92 in. (2.34 m)	BYT10708	\$7,006.00
<p>Includes Reversible Bolt On Cutting Edges and Skid Plates. Requires Code 7085, or Third Function Loader Hydraulics and Loader Coupler. Pre-drilled for eight teeth. Includes two built-in lift loops. Proper counterweighting is required. See Counterweight Selection Chart. Requires Backhoe configured with code 6020, Extendible Dipperstick. Cannot be used on a backhoe configured with counterweight codes 8425, 8455, 8475, or 8485. Includes reversible cutting edge for moldboard and back of clamshell.</p>		
<u>Buckets</u>		
1.25 Cu. Yd. (0.96 Cu. M.), 92 in. (2.34 m) bucket wide Multipurpose Bucket	BYT10705	\$6,421.00
Includes reversible cutting edge for moldboard and back of clamshell.		
BKH Pin-On Bucket 24 In. (610 mm) Heavy Duty 7.5 Cu. Ft. (0.21 Cu. M.)	AT437343	\$1,426.00
BKH Pin-On Bucket 24 In. (610 mm) Standard-Duty 7.5 Cu. Ft. (0.21 Cu. M.)	AT437342	\$1,365.00
BKH Pin-on Bucket 12 In. (305 mm) Heavy-Duty 3.3 Cu. Ft. (0.09 Cu. M.)	AT437338	\$1,088.00
BKH Pin-on Bucket 18 In. (457 mm) Heavy-Duty 5.1 Cu. Ft. (0.14 Cu. M.)	AT437340	\$1,309.00
BKH Pin-on Bucket 18 in (457 mm) Severe Duty 5.1 Cu. Ft. (0.14 Cu. M.)	AT437700	\$1,513.00
BKH Pin-on Bucket 24 In. (610 mm) Heavy-Duty 8.8 Cu. Ft. (0.25 Cu. M.)	AT437344	\$1,550.00
BKH Pin-on Bucket 24 in (610 mm) Severe Duty 7.5 Cu. Ft. (0.21 Cu. M.)	AT437701	\$1,894.98
BKH Pin-on Bucket 24 in (610 mm) Severe Duty 8.8 Cu. Ft. (0.25 Cu. M.)	AT437702	\$1,942.73
BKH Pin-on Bucket 30 In. (762 mm) Heavy-Duty 10.0 Cu. Ft. (0.28 Cu. M.)	AT437345	\$1,625.00
BKH Pin-on Bucket 36 In. (914 mm) Ditching 12.5 Cu. Ft. (0.35 Cu. M.)	AT437616	\$1,536.00
BKH Pin-on Bucket 36 In. (914 mm) Heavy-Duty 12.5 Cu. Ft. (0.35 Cu. M.)	AT436333	\$2,399.00

BKH Pin-on Bucket w/ TK Teeth, 30 In. (762 mm) Severe-Duty 10.0 Cu. Ft. (0.28 Cu. M.)	AT437703	\$2,080.00
BKH Top Hook Coupler Bucket 12 in. (305 mm) Heavy Duty 3.3 Cu. Ft. (.09 Cu. M.)	AT437361	\$1,059.00
BKH Top Hook Coupler Bucket 18 in. (457 mm) Heavy Duty 5.1 Cu. Ft. (0.14 Cu. M.)	AT437362	\$1,278.00
BKH Top Hook Coupler Bucket 24 in. (610 mm) Heavy Duty 7.5 Cu. Ft. (0.21 Cu. M.)	AT437363	\$1,433.00
LDR Coupler Bucket 1.0 Cu. Yd. (.76 Cu. M.) Heavy Duty 86 in. (2.18 m) wide	AT308991	\$2,881.00
Includes Reversible Bolt On Cutting Edge with Skid Plates.		
LDR Coupler Bucket 1.13 Cu. Yd. (.86 Cu. M.) Heavy Duty 86 in. (2.18 m) wide Long Lip	AT308970	\$3,071.00
Includes Reversible Bolt On Cutting Edge and Skid Plates.		
LDR Coupler Bucket 1.25 Cu. Yd. (.96 Cu. M.) Heavy Duty 86 in. (2.18 m) wide Long Lip	AT308968	\$2,838.00
Does not include Bolt-On Cutting Edges or Skid Plates.		
LDR Coupler Bucket 1.32 Cu. Yd. (1.0 cu. m) Heavy Duty 92 in. (2.34 m) Long Lip	AT308966	\$3,511.00
Includes Reversible Bolt On Cutting Edge and Skid Plates.		
LDR Coupler Multipurpose Bucket 1.25 Cu. Yd. (.96 cu. m) 86 in. (2.18 m) wide	BYT10707	\$6,781.00
Includes Reversible Bolt On Cutting Edges and Skid Plates. Requires Aux. Loader Coupler Hydraulics. 86 in. (2.18 m) bucket width. Includes reversible bolt-on cutting edge and skid plates. Pre-drilled for seven teeth. Order teeth from parts. Includes two built-in lift loops. Requires Backhoe configured with code 6020, Extendible Dipperstick. Cannot be used on a backhoe configured with counterweight codes 8425, 8455, 8475, or 8485. Includes reversible cutting edge for moldboard and back of clamshell.		
LDR Pin-On Bucket 1.32 Cu. Yd. (1.0 Cu. M.) Heavy Duty Long Lip Bucket	AT308080	\$3,209.00
92 in. (2.34 m) wide. Includes reversible bolt-on cutting edge with skid plates. * Includes two lift holes.		
LDR Pin-on Bucket 1.11 Cu. Yd. (.86 Cu. M.) Heavy Duty 86 in. (2.18 m) wide	AT308071	\$3,084.00
Includes Reversible Bolt On Cutting Edge and Skid Plates.		
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	AT308188	\$2,565.00

LDR Pin-on Bucket 1.25 Cu. Yd. (.96 Cu. M.) Heavy Duty 86 in. (2.18 m) Long Lip and Skid Plates	AT308076	\$2,837.00
LDR Pin-on Multi-Purpose Bucket 1.32 Cu. Yd. (1.0 Cu. M.), 92 in. (2.34 m) wide	BYT10703	\$6,478.00
<p>Includes Reversible Bolt On Cutting Edges and Skid Plates. Requires Code 7075, or Third Function Loader Hydraulics. 92 in. (2.3 m) bucket width Includes reversible bolt-on cutting edge with skid plates. Pre-drilled for eight teeth. Order teeth from parts. Includes two lift holes. Proper counterweight is required. See Counterweight Selection Chart. Includes reversible cutting edge for moldboard and back of clamshell.</p>		
LDR Pin-on Multipurpose Bucket 1.00 Cu. Yd. (.76 Cu. M.) 82 in. (2.08 m)	AT448174	\$3,990.00
<p>This multi-purpose bucket is being discontinued and will only be available until inventory is exhausted. Prices have been adjusted accordingly. Includes Reversible Bolt On Cutting Edges and Skid Plates.</p>		
LDR Pin-on Multipurpose Bucket 1.25 Cu. Yd. (.96 Cu. M.) 86 in. (2.18 m)	AT448175	\$3,990.00
<p>This multi-purpose bucket is being discontinued and will only be available until inventory is exhausted. Prices have been adjusted accordingly. Includes Reversible Bolt On Cutting Edge and Skid Plates. 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.</p>		
LDR Pin-on Multipurpose Bucket 1.25 Cu. Yd. (.96 Cu. M.) 86 in. (2.18 m)	BYT10701	\$6,462.00
<p>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.</p>		
Loader Coupler Attachment Adapter Hook Plates (2) Standard	AT336927	\$1,775.00
<u>Frame Attachment</u>		
Counterweight, Front, 1,000 lbs (454 kg)	BYT10255	\$1,337.00
Use with (4) T119912 AND (4) 19M9124.		
Counterweight, Front, 1,250 lbs (567 kg)	BYT10256	\$1,728.00
Use with (4) T119912 AND (4) 19M9124.		
Counterweight, Front, 250 lbs (113 kg)	AT409592	\$525.00

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

Counterweight, Front, 450 lbs (204 kg)	BYT10251	\$599.00
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Use with (4) T119912 AND (4) 19M9124.

Counterweight, Front, 750 lbs (340 kg)	BYT10254	\$971.00
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Use with (4) T119912 AND (4) 19M9124.

Front Attachments

Forks, Pallet (2) 60 in.(1.52m) with 60 in. (1.52m) Coupler Fork Carriage	AT308139	\$3,601.00
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Forks, Pallet (2) 48 in.(1.22m) with 60 in. (1.52m) Coupler Fork Carriage	AT308138	\$3,428.00
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Guards

Backhoe Boom Protection Plate	AT333753	\$586.00
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Bolt on or weld to underside of backhoe boom.
Recommended for rental, lease, thumbs/clamps, swingers, jaw buckets,
and non-Deere attachments on couplers.

KIT, FULL MFWD GUARD	AT438402	\$270.00
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MFWD Wheel Fender Kit for 18 in. tires only	AT371257	\$697.00
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Requires MFWD and 12.5/80-18 or 340/80R-18 front tires.

Hydraulics

Accu-Swing Kit for Backhoe	AT431340	\$474.00
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Includes two circuit reliefs, fittings, clamps and hardware.
Installation instructions T210751.

Auxiliary Hydraulic Selective Flow Control Kit	AT448429	\$1,214.00
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Selective Flow Control Valve (9,13,16,18,22 or 25GPM) - One Way Flow
Includes control pedal and circuit relief
1000-3000 PSI Adjustable
L-Series backhoes except the 310L and 310L EP must order applicable
Software Part Number in JDPoint for Field Kit to function properly.

Auxiliary Backhoe Hydraulic Plumbing Kit (2 way) for Thumb, Clamp, Swinger or Jaw Bucket	AT194368	\$268.00
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For use with serial numbers prior to 338468.
Average installation, 2 hours.
Includes two circuit reliefs, fittings, clamps and hardware.
For Low Flow intermittent usage.
Requires Dealer to make eight hoses per installation instructions.
Requires unit to have unused 5th, 6th or 7th 2 way hydraulic functions and
foot pedal to activate.
Not required with factory thumb installation codes 9230 and 9235.

	BYT11017	\$575.00
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Auxiliary Backhoe Hydraulic Plumbing Kit, Two-Way Proportional Flow - Extendable Dipperstick

For use with serial numbers after 338468.
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.
310L EP, 310L, 310SL controlled by foot pedal.
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.
For installation instructions, please reference DTAC Solution 114951.

Auxiliary Backhoe Hydraulic Plumbing Kit, Two-Way Proportional Flow - Standard Dipperstick	BYT11007	\$575.00
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For use with serial numbers after 338468.
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.
310L EP, 310L, 310SL controlled by foot pedal.
Quick connect couplers and jumper hoses from bulkhead to attachment not included.
If installing hydraulic Deere thumb, additional thumb plumbing kit is required (BYT11010). Please reference DTAC Solution 115211.
For installation instructions, please reference DTAC Solution 114951.

Auxiliary Backhoe Hydraulics for Auger, Extendible Dipperstick	AT450466	\$250.00
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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.

Auxiliary Backhoe Hydraulics for Auger, Standard Dipperstick	AT448424	\$446.00
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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.

Auxiliary Loader Control Valve with 3 Function Hydraulics - Single Lever	AT431312	\$3,884.00
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For use on Backhoes with a Serial Numbers below 292974.
L-Series backhoes except the 310L and 310L EP must order applicable Software Part Number in JDPoint for Field Kit to function properly.

Auxiliary Plumbing for Selective Flow - Extendible Dipperstick	AT431314	\$662.00
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Installation instructions T208488.
Average installation, 2 hours.
Requires Extendible 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.

Auxiliary Plumbing for Selective Flow - Standard Dipperstick	AT431313	\$588.00
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Installation instructions T208487.
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.

Controlled Lowering Device for Backhoe Boom Cylinder	AT448426	\$2,635.00
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Controlled Lowering Device for Backhoe Dipper (Crowd) Cylinder	AT448425	\$2,983.00
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Requires prior installation of AT448426 Controlled Lowering Device for Backhoe Boom Cylinder Kit.

Fifth Function Control Valve Section (Without Circuit Reliefs)for Manual Controls	AT192189	\$978.00
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* Installation instructions T186326.
* Average installation, 4 hours.
* Requires Right Pedal (Deere or Cat Controls) from service parts.

Hand Held Hydraulics	AT448428	\$447.00
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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.

Hydraulic Plumbing, Bulk Head to Deere Thumb Cylinder - Extendible Dipperstick	BYT11011	\$85.00
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For use with serial numbers after 338468.
Must be configured with 6230 or 6240 or BYT11016, BYT11017, 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, 310L, 310SL controlled by foot pedal. 310SL HL and 410L controlled by thumb roller in pilot joystick.
For installation instructions, please reference DTAC Solution 115211.

Hydraulic Plumbing, Bulk Head to Deere Thumb Cylinder - Standard Dipperstick	BYT11010	\$85.00
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For use with serial numbers after 338468.
Must be configured with 6230 or 6240 or BYT11006, BYT11007,
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, 310L, 310SL controlled by foot pedal. 310SL HL and 410L
controlled by thumb roller in pilot joystick.
For installation instructions, please reference DTAC Solution 115211.

K-Series Style Loader Control Grip Kit	AT450437	\$414.00
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Loader Coupler, Hydraulic	AT431299	\$5,539.00
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For use on Backhoes with a Serial Numbers below 304845.
L-Series backhoes except the 310L and 310L EP must order applicable
Software Part Number in JDPoint for Field Kit to function properly.

Sixth Function Control Valve Section (Without Circuit Reliefs) for Manual Controls	AT192239	\$1,328.00
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Installation instructions T186327. Average installation, 4 hours. Can use
with Code 5110, Four Function Control Valve, Code 5120, Five Function
Control Valve, or Code 5130, Five Function Control Valve Plus Selective
Flow Valve. Requires AT185629, Left Pedal, (Deere, Cat or Ford
Controls). Cannot be used with Case Controls. Requires AT194368,
Attachment Hydraulic Plumbing Kit, for cylinder operated attachments.
Requires longer tie bolts. (2) T161707, (1) T161708 when used with Five
Function Control Valve Plus Selective Flow Valve.

Sixth Function Control Valve Section (Without Circuit Reliefs) for Pilot Controls	AT307664	\$1,446.00
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Installation instructions T206123.
Average installation, 4 hours.
Can use with Code 5110, Four Function Control Valve, Code 5120, Five
Function Control Valve, or Code 5130, Five Function Control Valve Plus
Selective Flow Valve.
Requires Left Pedal, (Deere, Cat or Ford Controls).
Cannot be used with Case Controls.
Requires Attachment Hydraulic Plumbing Kit, for cylinder operated
attachments. Requires longer tie bolts. (T159263 (2) & T159264 (1)when
used with Five Function Control Valve Plus Selective Flow Valve.

Hydraulics

Auxiliary Loader Control Valve with 3 Function Hydraulics - Single Lever	AT463722	\$3,884.00
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For use on Backhoes with Serial Numbers 292974 and Higher.
L-Series backhoes except the 310L and 310L EP must order applicable
Software Part. Number in JDPoint for Field Kit to function properly.

Loader Coupler, Hydraulic	BYT10278	\$5,539.00
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For use on Backhoes with a Serial Number 304845 and Higher.
L-Series backhoes except the 310L and 310L EP must order applicable
Software Part Number in JDPoint for Field Kit to function properly.

Miscellaneous

Stop Kit, Field Kit - Pilot Tower Stow	BYT10312	\$25.00
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Operator Environment

Autoshift Software	AT417183	View Price
Order through JDPoint per installation instructions T319017.		
Case Three Lever Controls 5th Function Lever Kit	AT309740	\$191.00
Adds lever to Case 3 lever backhoe controls to operate auxiliary valve on Standard Dipperstick or operates Extendable Dipperstick..		
Case Three Lever Controls with Foot Swing	AT309739	\$1,356.00
For units with code 5225.		
Ford Four Lever Controls for Standard and Extendible Dipperstick	AT185628	\$2,975.00
Ford Four Lever Controls for Standard and Extendible Dipperstick. For units with code 5225.		
ISO (Deere) Two Lever Mechanical Controls	AT185624	\$493.00
Requires Right Pedal Kit, if equipped with Case controls and five function control valve. For units with code 5225.		
Mounting kit for multi-purpose (ABC) Dry Chemical Fire Extinguisher	AT408903	\$96.00
Kit Does not Include Fire Extinguisher.		
Operator Manual Tether Cables for ROPS or Cab	AT192032	\$27.00
Radio Auxiliary kit	AT451676	\$280.00
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 Bosch radios, and power to charge devices. Note that this kit does NOT include XM, USB input, or Bluetooth microphone.		
SAE Excavator Style Two Lever Controls	AT301434	\$250.00
Sixth Function Pedal for Lever Controls	AT185629	\$373.00
Sixth Function Pedal for Pilot Controls	AT301485	\$308.00
Sun Visor	AT186307	\$92.00
<u>Operator Environment</u>		
Canopy (ROPS/FOPS) to Quarter Cab Conversion Kit	BYT10250	\$390.00
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.		
Heated Seat Kit	BYT10673	\$260.00

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.

Mechanical to Air Seat Conversion	BYT10670	\$786.00
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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.

Mechanical to Air Seat Suspension	BYT10672	\$786.00
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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.

Radio, Basic Package	BYT10718	\$850.00
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AM/FM/Weather Radio

Radio, Premium Package	BYT10717	\$1,320.00
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AM/FM/Weather Radio, XM capable, Bluetooth capable with microphone, 3.5mm auxiliary input, USB input, roof power port, roof storage compartment.

Overall Vehicle

(2) External Rear View Mirrors	AT186155	\$282.00
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6 inch Amber Warning Light with LED Beacon and Magnetic Roof Mounting Kit	AT313592	\$257.00
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Beacon/Strobe Ready Wiring Kit	AT313589	\$34.00
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Kit for aftermarket Beacon or Strobe light
Kit does not include Beacon

Environmental Drain Kit	AT393180	\$573.00
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Fluid Sampling Ports	AT433274	\$480.00
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Not available on Stage II (Tier 2) engines.

LED Flood Light Kit	AT445009	\$215.00
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Includes 2 lights.

LED Spot Light Kit	AT445010	\$215.00
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Includes 2 lights.

License Plate Bracket	AT446496	\$56.00
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Light not included.

License Plate Bracket and Light	AT187707	\$225.00
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Pre-Cleaner, Engine Air Intake	AT431062	\$1,025.00
Aspiration style pre-cleaner using engine exhaust to scavenge debris from air filter intake.		
Rear Wheel Spacers for Rear Tire Chains	AT347522	\$953.00
Rear Wiring Harness for Hammer, Auto Greaser	BYT10330	\$173.00
Harness that enables installation of an auto greaser (primarily for hammer use).		
Rubber Bumper for Grille Frame	AT434236	\$84.00
Slow Moving Vehicle Emblem	AT186288	\$111.00
Stabilizer Cylinder Guards (Set of Two)	AT305073	\$303.00
<u>Ride Control</u>		
Auto Ride Control Valve Kit	AT449593	\$549.00
For use on Backhoes with a Serial Number 303524 and Higher. Valve and mounting plate. If machine does not have manual ride control also order plumbing AT452094. This kit allows you to upgrade manual ride control to auto ride control. L-Series backhoes except the 310L and 310L EP must order applicable Software Part Number in JDPoint for Field Kit to function properly.		
Manual Ride Control Valve Kit	AT431165	\$799.00
L-Series backhoes except the 310L and 310L EP must order applicable Software Part Number in JDPoint for Field Kit to function properly. Must order AT452094 Ride Control Plumbing Kit to complete installation. This kit allows you to install manual ride control.		
Ride Control Plumbing Kit	AT452094	\$682.00
Harness, plumbing, and accumulator for ride control. Must order valve and mounting plate separately.		

REFERRAL ATTACHMENTS

Description	Code	Price
<u>G.r.mfg.</u>		
Guard, Transmission Bottom	AT441379	\$1,579.00
<p>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.</p> <p>G.R. Manufacturing, Inc. 4800 Commerce Drive Trussville, Alabama 35173</p>		

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