

644 P WHEEL LOADER

01-Mar-2022



JOHN DEERE

| Code | Description | QTY | List Price (USD) |
|--------|--|-----|------------------|
| 6050DW | 644 P WHEEL LOADER | 1 | \$324,734.00 |
| | 644 P Standard Equipment | | |
| | <p>POWER TRAIN:</p> <p>5 Speed Transmission with Lock-Up Torque Converter Electronically Controlled Fully Automated Shift System Quick Shift Button on Loader Control Lever with 2 Selectable Modes Automatic / Manual Shift Modes Programmable Maximum High Gear Adaptive Clutch-Cutoff Clutch Calibration Engaged from Monitor 100% Locking Front and Conventional Rear Differentials with Inboard Mounted Heavy Duty Planetary Gears Heavy Duty Self Adjusting Front and Rear Power Brakes Electrically Actuated Automatic Spring Applied, Hydraulically Released, Wet Multi-Disc Park Brake Transmission Fill Tube and Sight Gauge 2000 Hour Transmission Filter</p> <p>COOLING:</p> <p>Quad-Cool System: Heavy Duty, Trash Resistant Radiator and High Ambient Cooling Package 2 Side access to all Coolers Cooling System isolated from Engine Compartment Engine Radiator Integral Engine Oil Cooler Hydraulic Oil Cooler (Oil to Air) Transmission Oil Cooler (Oil to Air) Front and Rear Axle Coolers with Axle Oil Filtration Charge Air Cooler (Air to Air) Coolant Recovery Tank Antifreeze, -34F (-37 C) Cool-on Demand Swing out Fan Enclosed Fan Safety Guard</p> <p>HYDRAULICS:</p> <p>Pressure Compensating Load Sensing Hydraulic System 2 Function Hydraulic Joystick with FNR Control</p> | | |

Automatic Return to Dig
In Cab Adjustable Automatic Boom
Height Kickout / Return to Carry
Hydraulic Function Enable / Disable
Hydraulic Reservoir with Sight
Gauge and Fill Strainer
Hydraulic Diagnostic Ports
4000 Hour In-Tank Filter

ELECTRICAL:

24 Volt Electrical System
Solid State Electrical Power
Distribution System
(2) Heavy Duty Batteries - each 950
Cold Cranking amps/190 minute
Reserve Capacity
Lockable Master Electrical
Disconnect Switch
Battery Terminal Safety Covers
Pre-wired for Beacon/Strobe Light
Lights:
(2) Halogen Driving Lights with
Guards
(4) Front and (2) Rear Work Lights
LED Turn Signals and Flashers
LED Stop and Tail Lights
Horn, Electric
Reverse Warning Alarm
Voltage Converter for 24V to 12V /
8 Amps
Multi-Function / Multi-Language LCD
Color Monitor includes:
DIGITAL INSTRUMENTS
ANALOG Display:

Hydraulic Oil Temperature
Engine Coolant Temperature
Transmission Oil Temperature
Engine Oil Pressure
DIGITAL Display:
Engine RPM
Transmission Gear / Direction
Indicator
Hour Meter
Fuel Level
DEF Level
Speedometer
Odometer
Outside Temperature
Indicator Lights for Standard and
Selected Options
Indicator Lights For Amber Caution
and Red Stop
Operator Warning Messages
BUILT-IN DIAGNOSTICS:
Diagnostic Code Details
Sensor Values
Calibrations

Individual Circuit Tester

MENU DISPLAY:

Codes

Machine Settings

Diagnostics

Monitor Settings

OPERATOR'S STATION:

ROPS Quiet Cab with Heater and Air

Conditioning

Defroster and Pressurizer

Front and Rear Intermittent

Windshield Wipers and Washers

(1) Inside and (2) Outside Rear

View Mirrors

Left and Right Rear Side Opening

Windows

Sun Visor

Keyless Start with Multiple

Security Modes

Sealed Switch Module with Function

Indicators

Seat with Back Rest Extension, Deep

Foam, Fabric Cover, Adjustable Air

Suspension for Weight/Height with

Fore-Aft Adjustment and Adjustable

Arm Rests

Hydraulic Controls Integrated to

Seat

3 Inch High Visibility Blaze Orange

Seat Belt with Retractor

(2) Cup Holders

Lunch box (Cooler) Holder

LED Dome and Reading Light

12 Volt Power Port

Radio Ready

Rubber Floor Mat

Tilt Steering Column

Textured Steering Wheel with

Spinner Knob

Operator's Manual Storage

Compartment

Left Side Operator Station Access

Slip-Resistant Steps and

Ergonomically Located Handholds

Overall Vehicle:

NeverGrease Rear Axle Oscillation

Joints

Front and Rear Tie Downs

Front Fenders

Rear Hitch with Locking Pin

Articulation Locking Bar

Boom Locking Bar

40 Degree Steering Articulation to

Each Side with Rubber Cushion Stops

on Frame

Vandal Protection With Lockable

Engine Enclosures, Right
Counterweight Compartment, Battery
Box, Filler Access for
Radiator/Fuel/Hydraulic/Transmission
Service Steps and Handholds
Storage Compartment
Fuel Tank Fill Strainer
Heavy Duty Fuel Tank Guard
Ground Level Fueling and DEF
Less Tires and Wheels

6050DW 644 P WHEEL LOADER 1 \$324,734.00

DESTINATION AND LANGUAGE

Operator's Manual and Decals Basic Factory Options - Required

2605 English Decals and Manuals No Added Cost

2610 Spanish Decals and Manuals No Added Cost

2615 French Decals and Manuals No Added Cost

PACKAGES

Machine Configuration Basic Factory Options - Required

1010 Standard Wheel Loader No Added Cost

1021 Waste Handler Configuration No Added Cost

Requires the following codes:
1105- 4-Speed Powershift Transmission
1430 - Engine Air Intake with Centrifugal Precleaner
1520 - Automatic Reversing Fan Drive
2010 or 2020 - Z-BAR or High Lift Linkage
3120 - Manual Axle Differential Lock
5570 - Less Fenders
5670 - Close Mounted Left Side Steps Only
8450 - Cab w/ Air A/C Charge
8230 - Less Hitch and Counterweights
8298 - Less Beacon and Bracket
9410 Transmission and Bottom Guards

Requires BYT11790 - 644 P-tier Waste Handler Package, Installed. (Requires loader to ship to GR Mfg).

The dealer is responsible for making arrangements to get the unit to GR Manufacturing for installation. Shipping cost is not included in the installation.

ENGINE

Engine

Basic Factory Options - Required

0924 John Deere PowerTech Engine \$37,509.00

John Deere PowerTech PSS 6.8L meets EPA FT4 and EU Stage V Emissions (249 Net Peak hp)

- Turbocharged
- Wet Sleeve Cylinder Liners
- Programmable Auto-Idle and Auto-Shutdown
- Selected Idle Adjustment from 900-1250 RPM
- Starter Protection
- 4 Valves / Cylinder
- Cooled Exhaust Gas Recirculation
- Automatic Derating for Exceeded System Temperatures
- Electronically Controlled HPCR Fuel Delivery System, B20 Biodiesel Compatible
- Electrical Fuel Priming System
- Serpentine Drive Belt with Automatic Tensioner
- Under Hood Dual Element Air Cleaner with Restriction Indicator
- Under Hood Exhaust Filter and Catalysts with Curved Exhaust Stack
- Automatic Exhaust Filter Regeneration
- Dual-Stage Fuel Filter and Water Separator
- 500 Hour Vertical Spin-on Oil Filter
- Oil crankcase filter, Lifetime
- Automatic Engine Cool-down Timer
- Remote Start Battery Terminals
- 100 Amp Alternator

Fan Drive

Basic Factory Options - Required

1510 Standard Hydraulic Fan No Added Cost

Hydraulically driven fan with proportional fan speed control based on cooling demands to save fuel and reduce noise.

1520 Automatic Reversing Hydraulic Fan \$1,792.00

Hydraulically driven fan with proportional fan speed control based on cooling demands to save fuel and reduce noise. Automatic Reversing fan to purge debris and dust on cooling system inlet screens and coolers periodically to reduce cleaning. Reversing intervals can be set in the monitor.

Requires code 1430 Engine Air Intake with Centrifugal Precleaner

Air Intake

Basic Factory Options - Required

1410 Standard Engine Air Intake System No Added Cost

Does not include centrifugal precleaner

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| 1430 | Engine Air Intake System with Centrifugal Precleaner | \$667.00 |
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Exhaust

Basic Factory Options - Required

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| 1310 | Flat Black Curved Stack | No Added Cost |
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| 1330 | Chrome Curved Stack | \$443.00 |
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Fuel Filtration

Basic Factory Options - Required

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| 1610 | Standard Fuel Filter with Water Separator and Standard Fuel Fill | No Added Cost |
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Engine

Field Installed Attachments - Optional

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| 9015 | Engine Block Heater Recommend for cold starts below -10 degrees F (-23 C) | \$243.00 |
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| 9055 | Throttle Lock This feature adds the convenience of holding the engine at a constant engine speed for long travel distances or other constant engine speed needs without the operator having to hold the accelerator pedal position. | \$215.00 |
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| 9240 | Engine Compartment Light | \$180.00 |
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| 9045 | Quick Fluid Service Coupling system for Engine Oil, Transmission Fluid, Hydraulic Fluid and Engine Coolant. | \$867.00 |
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ELECTRICAL

Alternator Basic Factory Options - Required

1210 100 amp Alternator No Added Cost
For use with code 2708 8 Amp/12 V Power Converter.
Not Available with Premium Cab code 1910

1217 140 amp Alternator \$347.00
Required with code 1910 Premium Cab, code 2715 15 Amp/12V Power Converter, or code 2730 30 Amp/12V Power Converter.

Converter Basic Factory Options - Required

2708 8 Amp Converter No Added Cost
Not Available with Premium Cab code 1910

2715 15 Amp Converter \$115.00
Requires code 1217 140 amp alternator

2730 30 Amp Converter \$265.00
Requires code 1217 140 amp alternator

Lighting Basic Factory Options - Required

7120 Halogen Work and Drive Lights No Added Cost
LED Front Turn/Marker & Rear Turn/Brake Lights

7140 Premium LED Work and Drive Lights \$1,449.00
All exterior machine lights are LED
LED Front Turn/Marker & Rear Turn/Brake Lights

DRIVETRAIN

Transmission Basic Factory Options - Required

1120 5-Speed Powershift Transmission with Lock-up Torque Converter No Added Cost

Recommend Ride Control with Lock-up Torque Converter for Load and Carry applications.

1105 4-Speed Powershift Transmission (\$3,900.00)

Axles Basic Factory Options - Required

3046 Front Hydraulically Locking Differential and Rear Conventional Differential Axles No Added Cost

3049 High Traction - Front & Rear Hydraulically Locking Differential Axles \$2,982.00

Differential Lock Basic Factory Options - Required

3110 Automatic Differential Lock \$1,429.00
 Allows operator to switch on Automatic Diff Lock providing continual differential lock in all conditions, minimizing tire spin.
 Requires code 9410 Transmission and Bottom Guards.

3120 Manual Axle Differential Lock No Added Cost

DRIVETRAIN AND COOLING Field Installed Attachments - Optional

9050 Wheel Spin Control System \$490.00
 Wheel spin control engages in 1st gear only.

LINKAGE

Linkage Configuration Basic Factory Options - Required

2010 Standard Z-BAR No Added Cost
 Parallel Lift Linkage

2020 High Lift Z-BAR \$6,040.00
 Parallel Lift Linkage
 Adds 16.3 inches (416 mm) height to bucket hinge pin, fully raised over standard linkage. Rated tipping load and lift capacity will be lower than unit equipped with the standard boom.

HYDRAULICS

Hydraulic Controls Basic Factory Options - Required

2350 Single Axis Lever Controls \$202.00
 Provides an individual hydraulic function control lever for each function. Only available for 2 function and 3 function hydraulics.
 Includes steering column mounted FNR lever.

2360 Joystick Controls No Added Cost
 Provides a single lever (joystick) control for the boom and the bucket. Optional 3rd and 4th functions are controlled with proportional thumb rollers integrated in the joystick handle.
 Includes FNR switch integrated into the joystick control lever.

HYDRAULIC SYSTEM Basic Factory Options - Required

2402 Two Function Hydraulics No Added Cost
 Controls Boom and Bucket only.

2403 Three Function Hydraulics \$2,231.00
 Controls Boom and Bucket and adds an auxiliary function and boom lines.

2404 Four Function Hydraulics \$4,231.00
 Controls Boom and Bucket and adds two auxiliary functions and boom lines.
 Requires code 2360 Joystick Controls.

Hydraulic Fluid Basic Factory Options - Required

1970 Hydrau Hydraulic Fluid No Added Cost

1975 Hydrau XR Hydraulic Fluid \$250.00

Optional factory fill.

Required for colder climates with operation below -25C (-13F) and extreme cold ambient temperatures down to -40C (-40F).
Provides all-season capability in ambient temperatures ranging from -40C to 40C (-40F to 104F).

Ride Control Basic Factory Options - Required

2510 Ride Control \$4,818.00

Code 9410 Transmission and Botttom Guards are recommended in applications where underside is vulnerable.

2520 Less Ride Control No Added Cost

Hydraulics Field Installed Attachments - Optional

AT455552 High-Altitude Hydraulic Kit \$625.00

For use at high altitudes to improve hydraulic performance by pressurizing the hydraulic tank. For use above 10,000 feet.

For use with FT4 Loader Engines.

OPERATOR'S STATION AND CONTROLS

Cab / ROPS Basic Factory Options - Required

1905 Standard Cab No Added Cost

The following options are only available on the standard cab:

- 1210 100 amp Alternator
- 1934 5 inch (127mm) Display Monitor
- 2220 Deluxe Seat
- 2708 8 amp Voltage Converter
- 8310 Standard Exterior Mirrors OR 8320 Heated Exterior Mirrors
- 8360 Standard radio OR 8380 No radio

Allows lowest cost configuration.

The following options are NOT available in the standard cab configuration:

- 8370 Premium Radio
- 8350 Remote Powered and Heated Exterior Mirrors

1910 Premium Cab (\$512.00)

Requires/Includes the following option codes in order to qualify for package group price:

- 1217 140 Amp Alternator
- 1940 7 inch (178mm) Display Monitor OR 1945 7 inch (178mm) Display Monitor with Dedicated 7 inch (178mm) Rear View Camera Display

2240 Premium Seat
2715 15 amp Voltage Converter OR 2730 30 amp Voltage Converter
8350 Remote Powered and Heated Exterior Mirrors
8370 Premium Radio

Also includes Cab Automatic Temperature Control System.

A/C Charge Basic Factory Options - Required

8450 Cab with Air A/C Charge No Added Cost

Seat Basic Factory Options - Required

2220 Deluxe Seat, Cloth with Air Suspension No Added Cost
Fabric Covered Seat with Back Rest Extension includes Lumbar Adjustment and Air Suspension with Full Damping Capability.
Not Available with Premium Cab code 1910

2240 Premium Seat, Heated and Ventilated with Heavy Duty Air Suspension \$1,295.00
Leather Accented Seat with Back Rest Extensions includes Pan Tilt, Pan Extend, Lumbar Adjustment and Air Suspension with Full Damping Capability.

MONITOR Basic Factory Options - Required

1940 7 inch Monitor No Added Cost

1945 7 inch Monitor with Dedicated Rear Camera Display \$1,645.00
Provides a separate and dedicated 7 inch display monitor for displaying continuous rear view camera imagery and allowing standard monitor to display without interruption.

1934 5 inch Monitor (\$206.00)
Not Available with Premium Cab code 1910

Mirrors Basic Factory Options - Required

8310 Standard Exterior Mirrors No Added Cost

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| | Not Available with Premium Cab code 1910 | |
| 8320 | Heated Exterior Mirrors Not Available with Premium Cab code 1910 | \$424.00 |
| 8350 | Remote Powered and Heated Exterior Mirrors Not Available with Standard Cab code 1905 | \$712.00 |
| | Radio | Basic Factory Options - Required |
| 8360 | Standard Radio AM/FM/Weather Band (WB) Radio with Remote AUX Port Requires Standard Cab | \$576.00 |
| 8370 | Premium AM/FM/Weather Band (WB) with Bluetooth, Remote Aux and Remote USB Port AM/FM/Weather Band (WB) Radio with Bluetooth, Remote Aux and Remote USB Port Requires Premium cab | \$850.00 |
| 8380 | No Radio Requires Standard Cab | No Added Cost |
| | REAR OBJECT DETECTION | Basic Factory Options - Required |
| 8235 | Rear Camera and Rear Object Radar Detection Display shows view behind the machine and provides audible alert. Rear view is displayed in video-enabled color monitor or dedicated color monitor. | \$3,304.00 |
| 8240 | Rear Camera | No Added Cost |
| | BEACONS | Basic Factory Options - Required |
| 8275 | LED Strobe Beacon with Left Beacon Bracket LED Strobe Beacon on hinged bracket mounted to the rear left side of the cab exterior. | \$275.00 |

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| 8290 | Left Beacon Bracket Only Hinged bracket only mounted to the rear left side of the cab exterior. | \$168.00 |
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| 8298 | No Strobe Beacon or Left Beacon Bracket | No Added Cost |
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| CAB ENTRANCE STEPS | Basic Factory Options - Required |
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| 5610 | Left Side Steps Only | No Added Cost |
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| 5620 | Left And Right Side Steps Not for use with code 5570 Less Fenders and Rear Platforms | \$920.00 |
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| 5670 | Close Mounted Left Side Steps Only Requires code 5570 Less Fenders and Rear Platforms | No Added Cost |
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| Operator's Station | Field Installed Attachments - Optional |
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| 9115 | Powered Cab Fresh Air Pre-Cleaner Extends cab air filter change intervals. | \$945.00 |
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| 9127 | Seat Belt with Minder Switch and External Indicator Light The seat belt Minder Switch sends a JDLink code alert if the park brake is released and seat belt not latched.. The external indicator light, is a green strobe beacon mounted on the right hand corner of the cab that flashes anytime the unit is running and the seat belt is latched. | \$360.00 |
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| 9140 | Fire Extinguisher 5.0 lbs. multi purpose (ABC) Dry Chemical Fire Extinguisher mounted inside the cab to the left front ROPS post. | \$149.00 |
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STEERING

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| Steering Systems | Basic Factory Options - Required |
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| 2120 | Steering Wheel Only | No Added Cost |
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| 2130 | Steering Wheel Only with Secondary Steering | \$2,851.00 |
| | Secondary Steering is NOT Joystick Steering Control. Secondary steering is used in the event of a failure of the normal steering power source(s), or if engine shuts down while the machine is in motion and allows temporary steering of the machine by using an electric motor powered steering pump or a ground driven steering pump (depending on loader model) to provide temporary hydraulic pressure and flow to the steering cylinders. | |

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| 2135 | Steering Wheel and Joystick Steering | \$4,892.00 |
| | Provides 2 Steering Systems with Steering Wheel and Left Hand Joystick with FNR Switch. | |

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| 2145 | Steering Wheel and Joystick Steering with Secondary Steering | \$7,743.00 |
| | Provides 2 Steering Systems with Steering Wheel and Left Hand Joystick with FNR Switch. | |
| | Secondary Steering is NOT Joystick Steering Control. Secondary steering is used in the event of a failure of the normal steering power source(s), or if engine shuts down while the machine is in motion and allows temporary steering of the machine by using an electric motor powered steering pump or a ground driven steering pump (depending on loader model) to provide temporary hydraulic pressure and flow to the steering cylinders. | |

PAYLOAD SCALE

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| Payload Scale | Basic Factory Options - Required |
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| 2870 | No Payload Scale with Cycle Counter | \$119.00 |
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| 2890 | No Payload Scale without Cycle Counter | No Added Cost |
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| Payload Scale | Field Installed Attachments - Optional |
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| BYT11767 | Cycle Counter Switch Field Kit | \$121.00 |
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JOHN DEERE WORKSIGHT™

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| Machine Connectivity | Basic Factory Options - Required |
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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 \$3,215.00
 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.

FENDER

Fenders Basic Factory Options - Required

5530 Standard Front Fenders No Added Cost
 Includes standard width front fenders, left side steps, as well as both left and right side platforms.
 Fender width is narrower than tire by design to be less susceptible to damage if tire brushes against objects from the side.

5540 Full Width Front Fenders \$430.00
 Includes full width front fenders, left side steps, as well as both left and right side platforms.
 Fender width is wider than tire by design to capture more tire spray but is susceptible to damage if tire brushes against objects from the side.

5550 Full Width Front and Rear Fenders \$2,590.00
 Includes full width front and rear fenders, left side steps, as well as both left and right side platforms.
 Fender width is wider than tire by design to capture more tire spray but is susceptible to damage if tire brushes against objects from the side.
 Mudflaps and wiper flap are NOT included.

5560 Full Coverage Front and Rear Fenders with Mudflaps \$3,085.00
 Includes full width front and rear fenders, left side steps, as well as both left and right side platforms.
 Also includes mudflaps and wiper flap on front fenders to reduce tire spray while traveling fast in wet conditions.
 Fender width is wider than tire by design to capture more tire spray but is susceptible to damage if tire brushes against objects from the side.

5570 Less Fenders and Rear Platforms No Added Cost
 Not for use with Code 5620 Left and Right Side Steps

WHEELS AND TIRES

Wheels and Tires

Basic Factory Options - Required

All Tires are tubeless and include rims, axle stops when required, and come in sets of 4.
 Tire chain use requires Axle Stops.

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

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.

Less Wheels and Tires

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| 4000 | Less Wheels and Tires | No Added Cost |
| | 8 Degree Axle Stops Installed | |
| | If solid tires are installed it requires the Rear Access Platforms from GR Mfg listed in the Referral section of the Price Pages. | |
| | Includes retaining hardware. This package is required for rear axle warranty. For warranty information refer to the SAM manual. | |

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| 4010 | 23.5X25 3pc. Rims Less Tires | \$5,868.00 |
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| 4012 | 750/65R25 5pc. Rims Less Tires | \$8,453.00 |
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23.5R25 L3 Single Star Radial Tires With 3 Piece Rims

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| 4621 | Michelin XHA2, 23.5R25 L3 Single Star Radial Tires On 3pc. Rims | \$27,273.00 |
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| 4625 | Bridgestone VJT, 23.5R25 L3 Single Star Tires On 3pc. Rims | \$24,640.00 |
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| 4935 | No Brand Preferred, 23.5R25 L3 Single Star Radial On 3pc. Rims | \$21,812.00 |
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Other Tire Options

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| 4523 | Titan, 23.5-25 L3 20PR Bias Tires With 3pc. Rims | \$20,952.00 |
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| 5113 | Titan, 725/70-25 Logger Tires With Rims Not for order with Fender Codes 5550 or 5560 | \$27,089.00 |
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| 5241 | Michelin Low Profile, 750/65R25 Single Star L3 Radial Tires With 5pc. Rims | \$36,958.00 |
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Tire Pressure Monitoring

Basic Factory Options - Required

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| 5310 | Tire Pressure Monitoring System | \$1,700.00 |
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| 5320 | Less Tire Pressure Monitoring System | No Added Cost |
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Tire Brand Preference

Field Installed Attachments - Optional

No Tire Brand Preference

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| 9710 | 23.5R25 L3 Single Star No Brand Preferred Radial On 3pc. Rims | No Added Cost |
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WORK TOOLS

Hydraulic Couplers

Basic Factory Options - Required

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| 8559 | Hydraulic Coupler - JRB 418 Pattern | \$7,589.00 |
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| 8561 | Hydraulic Coupler - Hi-Vis/ISO Pattern | \$7,589.00 |
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| 8563 | Field Coupler Ready: Pin Disconnect Plumbing For use with field installed Attachment couplers. Includes hydraulic lines from control valve to loader boom cross tube, electric switch, and solenoid valve. Pins NOT included – dealer will need to work with aftermarket supplier of coupler to procure proper size pins. | \$1,452.00 |
| 8565 | Field Bucket Ready: Pins Only Pins are shipped with the machine. The pins provided are designed and intended for use in installing Deere designed field installed pin-on buckets. Use of the pins to attach any other buckets, couplers, or other attachments may or may not be acceptable, and must be reviewed on a case by case basis to determine if they provide adequate pin engagement and pin retention. | \$595.00 |
| 8567 | Factory Pin-on Bucket Ready Required when ordering factory installed pin-on buckets - NOT coupler style hook-on buckets or field installed buckets. | No Added Cost |
| Buckets | | Basic Factory Options - Required |
| Bucket options are orderable with either a coupler or a pin-on configuration, unless otherwise noted. | | |
| 8960 | No Bucket | No Added Cost |
| 8932 | 4.0 Cu. Yd. Bucket All 4.0 cu yd buckets are 120" (3048mm) wide coupler style hook-on Enhanced Production buckets with weld-on Skid Shoes and integrated spill guard. No pin-on bucket is offered in this size. Not for use with code 8567 Factory Pin-on Bucket. Requires Coupler code 8559 or 8561. | \$11,142.00 |
| 8937 | 4.25 Cu. Yd. Bucket All 4.25 cu yd buckets are 120" (3048mm) wide Enhanced Production buckets with weld-on Skid Shoes and integrated spill guard. Requires Coupler code 8559 or 8561 OR Factory Pin-on Bucket code 8567. | \$11,578.00 |
| 8942 | 4.5 Cu. Yd. Bucket All 4.5 cu yd buckets are 120" (3048mm) wide Enhanced Production buckets with weld-on Skid Shoes and integrated spill guard. Requires Coupler code 8559 or 8561 OR Factory Pin-on Bucket code 8567. | \$12,016.00 |
| 8947 | 4.75 Cu. Yd. Bucket Requires Standard Z-BAR code 2010 All 4.75 cu yd buckets are 120" (3048mm) wide Enhanced Production buckets with weld-on Skid Shoes and integrated spill guard. Requires Coupler code 8559 or 8561 OR Factory Pin-on Bucket code 8567. | \$12,782.00 |

CUTTING EDGES AND TEETH

Basic Factory Options - Required

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| 8860 | Bolt-on Cutting Edge For use with 120 inch wide buckets. | \$2,487.00 |
| 8880 | Bolt-on Teeth with Cutting Edge Segments For use with 120 inch wide buckets. | \$3,505.00 |
| 8890 | No Bucket Edge or Teeth Required when ordering code 8960 No Bucket | No Added Cost |

FORK FRAME

Basic Factory Options - Required

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| 5840 | No Fork Frame | No Added Cost |
| 5770 | 76 in (1930mm) Wide Fork Frame, Floating Tine Requires code 8559 Hydraulic Coupler - JRB 418 Pattern OR code 8561 Hydraulic Coupler - Hi-Vis/ISO Pattern | \$12,171.00 |

TINES

Basic Factory Options - Required

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| 5940 | No Tines Required when ordering code 5840 No Fork Frame | No Added Cost |
| 5875 | 60 in (1524mm) Construction Tines Requires code 5770 76 in (1930mm) Wide Fork Frame, Floating Tine | \$1,707.00 |
| 5895 | 72 in (1829mm) Construction Tines Requires code 5770 76 in (1930mm) Wide Fork Frame, Floating Tine | \$3,093.00 |

FRAME AND CHASSIS

Rear Hitch and Counterweights

Basic Factory Options - Required

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| 8220 | Rear Hitch and Counterweight | No Added Cost |
| 8230 | Less Rear Hitch and Counterweight This option is typically used in conjuncture with a waste handling package or any other special application where a GR Manufacturing rear guarding package is installed. The less counterweight code still includes the left side pod as it is needed to house the DEF tank. Please consult DMAC if you have any questions as this code will reduce FTTL. Right side rear counterweight is removed, left side rear counterweight is still in place due to DEF/fuel tank placement. For use with Standard or High Lift Linkage Codes 2010 or 2020 only Right side rear counterweight is removed, left side rear counterweight is still in place due to DEF/fuel tank placement. For use with Standard or High Lift Linkage Codes 2010 or 2020 only | (\$1,414.00) |
| MISCELLANEOUS | | |
| | Miscellaneous | Field Installed Attachments - Optional |
| 9210 | Electrical Corrosion Prevention Package Preventive corrosion treatment for use in corrosive environments. Preventive corrosion treatment includes dielectric grease for electrical connections and polyurethane-based sealant on exposed terminals. | \$1,425.00 |
| 9410 | Transmission and Bottom Guards Recommended in applications where underside is vulnerable. Includes transmission side guards, bottom guards, and loader mast side covers. | \$2,550.00 |
| 9510 | Lift Hooks | \$450.00 |
| 9520 | License Plate Bracket Includes light for night time illumination. | \$177.00 |
| 9525 | Slow Moving Vehicle (SMV) Emblem | \$157.00 |
| 9800 | Finish Paint - Decals Not Installed For custom paint. Non-Paintable charcoal grey cab roof. Decals packaged with machine. Safety decals installed. | No Added Cost |
| 9909 | Shipping Rust Preventive Coating - Non Export | \$235.00 |

Coating protects exposed unpainted surfaces from road salt during shipment.

9675 Attachment Recognition \$980.00
 Enables Asset Tracking Beacons to allow hydraulic settings to change while swapping attachments for applicable machines.

Custom Codes Field Installed Attachments - Optional

Miscellaneous Field Installed Attachments - Optional

AT519021 Attachment Recognition \$1,087.80
 Enables Asset Tracking Beacons to allow hydraulic settings to change while swapping attachments for applicable machines.
 Software Only Kit to be ordered through Service Parts.

Forks Field Installed Attachments - Optional

BYT10669 76 in. (1.93 m) Std. Coupler Fork Frame, Floating Tine w/ (2) 72 in. (1.83 m) Tines \$12,031.00
 Compatible with JRB 418 pattern hook-on coupler.

BYT10668 76 in. (1.93 m) Std. Coupler Fork Frame, Floating Tine w/ (2) 60 in. (1.52 m) Tines \$10,227.00
 Compatible with JRB 418 pattern hook-on coupler.

BYT10667 76 in. (1.93 m) Hi-Vis Coupler Fork Frame, Floating Tine w/ (2) 72 in. (1.83 m) Tines \$12,031.00
 Compatible with Hi-Vis/ISO pattern hook-on coupler

BYT10666 76 in. (1.93 m) Hi-Vis Coupler Fork Frame, Floating Tine w/ (2) 60 in. (1.52 m) Tines \$10,227.00
 Compatible with Hi-Vis/ISO pattern hook-on coupler

Powertrain & Cooling Field Installed Attachments - Optional

BYT11862 Automatic Reversing Hydraulic Fan \$1,661.00
 Hydraulically driven fan with proportional fan speed control based on cooling demands to save fuel and reduce noise.
 Automatic Reversing fan to purge debris and dust on cooling system inlet screens and coolers periodically to reduce cleaning. Reversing intervals can be set in the monitor.
 Requires Engine Air Intake with Centrifugal Precleaner

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| BYT11849 | Quick Fluid Service Coupling system for Engine Oil, Transmission Fluid, Hydraulic Fluid and Engine Coolant. | \$700.00 |
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| BYT11856 | Tire Pressure Monitoring System (TPMS) | \$1,745.00 |
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| G.R.Mfg. | Field Installed Attachments - Optional |
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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

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| BYT11786 | Boom Cylinder Hydraulic Line & Cavity Guards | \$3,834.00 |
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| BYT11788 | Rear Tire Deflector Kit Required when machine is equipped with solid or foam filled tires. | \$9,291.00 |
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| BYT11784 | Heavy-Duty Service Cab Entry Step | \$1,374.00 |
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| BYT11782 | Hyd Operated Extreme Duty Bottom Guards Cannot be used with code 3110 Axle Auto Diff Lock or 9410 Transmission & Bottom Guards. | \$7,580.00 |
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| BYT11790 | 644L Waste Handler Package, Installed Requires code 1021, Waste Handler Configuration Installed package includes the following: Axle Seal Guards Boom Cylinder Hydraulic Line & Cavity Guards Bucket Cylinder Hydraulic Line/Rod/Sensor Guard Articulation Joint Guards Hydraulic Tank and Cab Entry Step Guard Extreme Service Transmission Side Guards Extreme Service Loader Frame Front Cover Extreme Service Guards for Loader Drive, Work, & Turn Lights Full Frontal Cab Window Guard (does not meet SAE J1084 Forestry Standard) Rear Loader Frame Guard 4th Gear Disabled Strobe Light Right Rear Cab Roof Mounted, Fold Down Lower Boom & Bucket Grease Fitting Guards Rear Access Platforms with Flexible Step, Hand Holds & Tie Downs | \$36,410.00 |
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Battery Disconnect Switch
 Compartment Guard
 Precleaner Prescreen Kit

BYT11780 Axle Seal Guards \$1,482.00

BYT11778 Articulation Joint Guards \$2,790.00
 Protects center pivot area. Includes heavy duty transmission compartment side shields. Recommended for trash handling, brush clearing, & recycling.

BYT12019 Cab Sides and Rear Screen Package \$5,751.00

Overall Vehicle

Field Installed Attachments - Optional

BYT11267 24V Aux Electrical Output Kit \$179.00
 Provides 24V output to allow operation of electrical solenoid valves or other electrical components from the hydraulic controls through the multi-function button.

BYT11696 Full Coverage Front and Rear Fenders with Mudflaps \$3,023.00
 Fender Kit contains all parts necessary to convert a machine from the base factory option of Standard Front Fenders to the equivalent of the factory option of Full Coverage Front and Rear Fenders with Mudflaps. Includes full width front and rear fenders, mudflaps on front and rear fenders, and wiper flaps on front fenders to reduce tire spray while traveling fast in wet conditions.
 Fender width is wider than tire by design to capture more tire spray but is susceptible to damage if tire brushes against objects from the side.

BYT11547 Strobe Beacon with Mounting Brackets \$472.00
 Kit includes one strobe beacon and two hinged mounting brackets, one for each side of the machine. Each side of the machine is pre-wired for the beacon so beacon can be installed on either side.

AT453819 Wheel Spin Control \$770.00
 Wheel spin control engages in 1st gear only.
 Software only kit.
 Order software kit AT453820 through JDPoint to enable functionality on the machine.

Operator Environment

Field Installed Attachments - Optional

BYT11300 CB Radio Antenna Kit \$152.00
 Kit includes CB Radio Antenna, Antenna Cable, Mounting Brackets, and Hardware

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| BYT11823 | Secondary Steering System | \$2,645.00 |
| BYT11820 | Ride Control Kit Transmission and Bottom Guards are recommended in applications where underside is vulnerable. | \$4,563.00 |
| BYT11988 | Steering Column FNR Kit | \$402.00 |
| BYT11822 | Joystick Steering Includes a single lever, left hand joystick for steering with integrated FNR switch. The addition of this field kit to machines equipped with a single lever, right hand joystick will result in the integrated FNR switch on the right hand joystick being disabled. | \$5,093.00 |
| BYT11857 | Seat Belt with Minder Switch and External Indicator Light Kit The seat belt Minder System monitors seat belt status and reports through JDLink when enabled. The external indicator light is a green strobe beacon mounted on the right hand corner of the cab that flashes anytime the unit is running and the seat belt is latched. | \$530.00 |
| BYT11264 | Rear Camera and Rear Object Radar Detection Display shows view behind the machine and provides audible alert. Rear view is displayed in video-enabled color monitor or dedicated color monitor. | \$4,072.00 |
| Hydraulics | | Field Installed Attachments - Optional |
| BYT11836 | 3rd Function Plumbing from Boom to Coupler For use on units with factory 3rd function hydraulics having a coupler added in the field. Kit does not include hoses and will require dealer to manufacture hoses per installation instructions. | \$176.00 |
| BYT11835 | Cable Reinforced Coupler Plumbing kit - Hi-Vis/ISO Provides plumbing from boom cross tube to the coupler. For use with Deere designed Hi-Vis/ISO style coupler added in the field. | \$218.00 |
| BYT11834 | Cable Reinforced Coupler Plumbing kit - JRB Provides plumbing from boom cross tube to the coupler. For use with Deere designed JRB style coupler added in the field. | \$218.00 |
| BYT11838 | 3rd Function Hydraulics - Z-Bar Includes third function hydraulic valve section. Does not include in-cab control function. For use with Z-Bar Linkage. | \$4,288.00 |

Kit does not include hoses and will require dealer to manufacture hoses per installation instructions.

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| BYT11844 | Attachment Coupler Plumbing Kit - High Lift Z-Bar Linkage For use with field installed Attachment couplers. Includes hydraulic lines from control valve to loader boom cross tube. | \$449.00 |
| BYT11840 | 4th Function Hydraulics - Z-Bar Includes fourth function hydraulic valve section. Does not include in-cab control function. For use with Z-Bar Linkage. Kit does not include hoses and will require dealer to manufacture hoses per installation instructions. | \$4,288.00 |
| BYT11839 | 3rd Function Hydraulics - High Lift Includes third function hydraulic valve section. Does not include in-cab control function. For use with High Lift Linkage. Kit does not include hoses and will require dealer to manufacture hoses per installation instructions. | \$4,288.00 |
| BYT11821 | Hydraulic Control Valve for Attachment Coupler Locking Pins For use with field installed Attachment couplers. Includes solenoid valve and software to program SSM switch to operate coupler. Both Attachment Coupler Plumbing and Cable Reinforced Coupler Plumbing kits are needed to provide plumbing from the valve to the coupler. | \$899.00 |
| BYT11841 | 4th Function Hydraulics - High Lift Includes fourth function hydraulic valve section. Does not include in-cab control function. For use with High Lift Linkage. Kit does not include hoses and will require dealer to manufacture hoses per installation instructions. | \$4,288.00 |
| BYT11843 | Attachment Coupler Plumbing Kit - Standard Z-Bar Linkage For use with field installed Attachment couplers. Includes hydraulic lines from control valve to loader boom cross tube. | \$449.00 |
| BYT11842 | 5th/6th Function Hydraulics Includes one hydraulic valve section and tie rods which allow for either 5th or 6th auxiliary functions. Two kits are needed to add both 5th and 6th functions to an existing 4-function valve. Does not include in-cab control function. Unit must be equipped with 4-function joystick control lever to operate 5th and 6th functions. If unit is equipped with 3-function joystick control lever then a new 4-function joystick control lever will be required. 5th and 6th functions are not compatible with single axis controls. For use with Standard Z-bar & High Lift Linkages. Kit does not include hoses and will require dealer to manufacture hoses per installation instructions. | \$5,207.00 |
| BYT11186 | Single Axis Controls Conversion to Joystick Controls (2 or 3-Function) To convert from 2 or 3-Lever single axis controls with steering column FNR lever to single joystick hydraulic control lever with FNR and integrated auxiliary function roller. | \$1,253.00 |

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| BYT11187 | Joystick Controls Conversion to Single Axis Controls (3-Function) To convert from single joystick hydraulic control lever with FNR and auxiliary function to 3-Lever single axis controls with steering column FNR lever. | \$1,591.00 |
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| BYT11250 | Joystick Controls Conversion to Single Axis Controls (2-Function) To convert from single joystick hydraulic control lever with FNR to 2-Lever single axis controls with steering column FNR lever. | \$1,275.00 |
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| BYT11251 | Single Axis Controls Conversion to Joystick Controls (4, 5, or 6-Function) To convert from 2 or 3-Lever single axis controls with steering column FNR lever to single joystick hydraulic control lever with FNR and integrated auxiliary function rollers for 4, 5, or 6-functions. Kit only updates in-cab controls and does not include valve sections or plumbing. | \$1,559.00 |
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| BYT11252 | Joystick Controls (2 or 3 function) Conversion to Joystick Controls (4, 5, or 6-Function) To convert from single joystick hydraulic control lever with FNR and one integrated auxiliary function roller (2 or 3 function) to single joystick hydraulic control lever with FNR and two integrated auxiliary function rollers for 4, 5, or 6-functions. Kit only updates in-cab controls and does not include valve sections or plumbing. | \$1,212.00 |
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| Couplers | Field Installed Attachments - Optional |
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| BYT10595 | Hydraulic Coupler - JRB 418 Pattern For use with Standard and High Lift Z-Bar Linkages | \$6,516.00 |
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| BYT10594 | Hydraulic Coupler - Hi-Vis/ISO Pattern For use with Standard and High Lift Z-Bar Linkages | \$6,516.00 |
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| Buckets Pin-On | Field Installed Attachments - Optional |
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| BYT10587 | 4.5 Cu. Yd. YD Pin-on Bucket w/ Cutting Edge 120" (3048mm) wide pin-on Enhanced Production bucket with weld-on Skid Shoes and integrated spill guard. | \$12,963.00 |
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| BYT10588 | 4.75 Cu. Yd. YD Pin-on Bucket w/ Cutting Edge 120" (3048mm) wide pin-on Enhanced Production bucket with weld-on Skid Shoes and integrated spill guard. | \$13,622.00 |
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| BYT10586 | 4.25 Cu. Yd. YD Pin-on Bucket w/ Cutting Edge 120" (3048mm) wide pin-on Enhanced Production bucket with weld-on Skid Shoes and integrated spill guard. | \$12,588.00 |
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ADDITIONAL INFORMATION

4WD Loader Simulator Field Installed Attachments - Optional

BUCKETS

Buckets Coupler Field Installed Attachments - Optional

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| BYT10583 | 4.75 Cu. Yd. Std. Coupler Bucket w/ Cutting Edge 120" (3048mm) wide JRB 418 Compatible coupler hook-on Enhanced Production bucket with weld-on Skid Shoes and integrated spill guard | \$13,622.00 |
| BYT10580 | 4 Cu. Yd. Std. Coupler Bucket w/ Cutting Edge 120" (3048mm) wide JRB 418 Compatible coupler hook-on Enhanced Production bucket with weld-on Skid Shoes and integrated spill guard | \$12,212.00 |
| BYT10576 | 4.25 Cu. Yd. Hi-Vis Coupler Bucket w/ Cutting Edge 120" (3048mm) wide Hi-Vis coupler hook-on Enhanced Production bucket with weld-on Skid Shoes and integrated spill guard | \$12,588.00 |
| BYT10575 | 4 Cu. Yd. Hi-Vis Coupler Bucket w/ Cutting Edge 120" (3048mm) wide Hi-Vis coupler hook-on Enhanced Production bucket with weld-on Skid Shoes and integrated spill guard | \$12,212.00 |
| BYT10582 | 4.5 Cu. Yd. Std. Coupler Bucket w/ Cutting Edge 120" (3048mm) wide JRB 418 Compatible coupler hook-on Enhanced Production bucket with weld-on Skid Shoes and integrated spill guard | \$12,963.00 |
| BYT10578 | 4.75 Cu. Yd. Hi-Vis Coupler Bucket w/ Cutting Edge 120" (3048mm) wide Hi-Vis coupler hook-on Enhanced Production bucket with weld-on Skid Shoes and integrated spill guard | \$13,622.00 |
| BYT10577 | 4.5 Cu. Yd. Hi-Vis Coupler Bucket w/ Cutting Edge 120" (3048mm) wide Hi-Vis coupler hook-on Enhanced Production bucket with weld-on Skid Shoes and integrated spill guard | \$12,963.00 |

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.