



Current Date 07Jul2017

## 620G MOTOR GRADER

## Standard Equipment

## VEHICLE COOLING:

Swing-Out, Cool-On-Demand, Hydraulic Fan (32 In.)

Enclosed Engine Fan and Fan Drive Guarding (Conforms to ISO 3457)

Heavy Duty Aluminum Coolers for Transmission, Axle, Hydraulic, Fuel, Charge Air, Radiator and A/C Condenser.

Engine Coolant Surge Tank Cool-Gard II Extended Life Engine Coolant -34 Degrees F (-37 Degrees C)

## TRANSMISSION:

John Deere Powershift Plus Direct Drive, Countershaft Powershift

Event Based Shifting (EBS) - Load Sensing Electronic Shift Modulation

Over speed Protection

Quick Disconnect Pressure Ports

Matched 8 Forward and 8 Reverse Speeds

Industry Standard U-Shape Shift Pattern

Transmission Neutral Lock with Park Start Safety Switch

Rubber Isolation Mounting to Reduce Noise and Vibration Independent Oil Reservoir, Filtration and Cooling

System with:

31 GPM Transmission

Hydraulic Gear Pump

2000 Hour Vertical Spin-On Filter

## Ports

(1) Interior and (2) Exterior Mounted Rearview Mirrors (Conforms to SAE J985)

Air Vents on all Front and side Tinted Windows

Fixed Lower Front Tinted Window

Rear Window Electric Defroster

Laminated Upper Front Tinted Window w/ Sun Shade Band

Upper Front and Rear Windshield Washers with Intermittent Wipers

Molded Floor Mat

Coat Hook

Universal RH & LH Mounting Bracket

Cooler/Lunch Box Storage with Cup Holder

Operator Manual Storage

## ELECTRICAL:

24 Volt System

Alternator (dependent on engine emission and optional equipment)

Bypass Start Safety Cover on Starter

All Light and Wiper Switches have Solid State Electrical Power

Distribution System

Batteries (2), 1400 CCA with 440 Minute Reserve Capacity

Positive Terminal Battery Covers

Ground Level Electrical

Master Disconnect Switch

Electric Fuel Shut off Switch

## Monitor Settings

## HYDRAULIC SYSTEM:

PCLS (Pressure

Compensating Load Sensing) Hydraulic System

Independent Hyd. Reservoir with Sight Glass

Independent Main Hydraulic filtration cooling system

with:

56 GPM Main Hydraulic Axial Piston Pump

O-Ring Face Seal Connectors

Float control included with blade lifts

2000 Hour Vertical Spin-On Filter

## STRUCTURE:

Main Frame with:

Double Ball-N-Socket Pivot Connection

Snow Wing Ready Frame

Midmount Scarifier Ready

Grade Control Mount Ready

Tapered Roller Bearing in

Bottom Articulation Joint

Tapered Roller Bearing King

Pins on Front Axle

Lift Eyes

Tiedowns

(20) NeverGrease Pin Joints for Saddle Linkage, Blade

Tilt, Rear

Steering and Lean Cylinders

## MOLDBOARD:

Patented Pre-Stressed 12 Ft. x 24 In. x 7/8 In. (3.66 M x 610 mm x 22

mm)

Moldboard with:

6 In. x 5/8 In. (152 x 16

mm) Cutting Edge with

<p>AXLE, BRAKES AND TANDEMS:</p> <p>Teammate II Axle</p> <p>Planetary Single Reduction Final Drives</p> <p>Internal Self-Adjusting Maintenance Free Wet Multi-Disk Brakes Inboard of Tandem Pivot</p> <p>Continuous Pressurized Filtered Oil Cooled Brakes</p> <p>Independent Oil Reservoir, Filtration and Cooling System with:</p> <p>6.7 GPM Axle Hydraulic Gear Pump</p> <p>2000 Hour Vertical Spin-On Filter</p> <p>Primary and Secondary Service Brakes (Conforms to ISO 3450)</p> <p>Automatic Differential Lock with Override</p> <p>Automatic Spring-Applied Hydraulic Released Parking Brake (Conforms to SAE J1026)</p> <p>14.0 x 24 In. 12 PR (G2) Bias Tires</p> <p>Slip Resistant Platforms on Tandems</p> <p>OPERATORS STATION:</p> <p>Low ROPS/FOPS Air Conditioned Cab (Conforms ROPS ISO 3471 / FOPS ISO 3449 Level II)</p> <p>Rubber Isolation Frame Mounted</p> <p>Keyless Start with Multiple Security Modes</p> <p>Anti-Skid 3 Step Cab Access</p> <p>Fabric Air Suspension Seat with Armrests and Headrest 3 In., (76 mm)</p> <p>Seat Belt w/Retractors (Conforms to SAE J386)</p> <p>Tilt Wheel and Control Console with 5 Lock to Lock Power Steering</p> <p>Electronic Throttle Control with Auto / Manual Modes</p> <p>ECO Mode: limits engine rpms to 1900 in gears 1-5</p> <p>15 Amp (24 V to 12 V W/</p>	<p>Transporting Lights w/LED Signal and Marker Lights (4 Halogen</p> <p>Transport lights)</p> <p>Transporting Lights (4 Halogen Transport Lights). Includes LED turn signals on front frame, LED rear turn signals</p> <p>mounted on rear grille, front and rear LED marker lights, LED brake</p> <p>lights and LED hazard warning lights.</p> <p>Cab Pre-Wired (10 amp) for Beacon, Radio and Auxiliary Circuit</p> <p>Electric Forward Warning Horn (Conforms to ISO 9533)</p> <p>Back up Warning Alarm (Conforms to ISO 9533)</p> <p>Sealed Switch Module with Function Indicators</p> <p>Multi-Function / Multi-Language LCD Color Monitor includes:</p> <p>Clock</p> <p>DIGITAL INSTRUMENTS</p> <p>ANALOG Display:</p> <p>Hydraulic Oil Temperature</p> <p>Engine Coolant Temperature</p> <p>Transmission Oil Temperature</p> <p>Rear Steer Articulation Angle</p> <p>Fuel Level</p> <p>DEF Level (FT4 Only)</p> <p>DIGITAL Display:</p> <p>Engine RPM</p> <p>Transmission Gear Indicator</p> <p>Hour Meter</p> <p>Speedometer</p> <p>Odometer</p> <p>Outside Ambient Temperature</p> <p>Integrated Job Timer and Stop Watch</p> <p>INDICATOR LIGHTS for Standard and Selected Options</p> <p>INDICATOR LIGHTS for Amber Caution and Red Stop</p>	<p>5/8 in. Reversible End Bits</p> <p>Quick Change Circle Wear Inserts (All Nylon)</p> <p>Quick Change and Adjustable Heavy Duty Moldboard Side Shift Wear</p> <p>Inserts</p> <p>Single Input Circle Drive Gearbox (non-slip)</p> <p>OVERALL VEHICLE:</p> <p>Left Side Daily Service Hinged Engine Side Shields</p> <p>Tool Box with Tray</p> <p>Articulation Joint Grease Bank</p> <p>Articulated frame with Safety (ISO 10570) locking pin</p> <p>Radiator Surge Tank Access Panel</p> <p>DEF Tank Door and Cap (FT4 Only)</p> <p>Bottom/Side Guards with Access Panels</p> <p>(6) D.O.T. (392&amp;393)</p> <p>Permanent Tie Downs for transport</p> <p>Single Key Locks for Entire Vehicle</p> <p>Ground Level Fuel Tank Filling (FT4 Only)</p> <p>Fluid Sampling Ports for Engine Oil, Engine Coolant, Hydraulic, Axle and Transmission Oils</p> <p>Vandal Protection Locking for:</p> <p>Service Compartments</p> <p>Cab Doors</p> <p>Radiator Surge Tank Access Door</p> <p>DEF Tank Door and Cap (FT4 Only)</p> <p>Hydraulic Reservoir Cap</p> <p>Battery Disconnect Switch</p> <p>Fuel Tank Door and Cap</p> <p>Tool Box</p> <p>Fuel tank, 110 gallon (416 L)</p> <p>Environmental Drains with Hoses for Engine, Transmission, Hydraulic, Axle Oils and Engine Coolant</p> <p>Remote Filter Bank for</p>
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Continuous 10 amps)  
Converter and (2) Power

OPERATOR WARNING  
MESSAGES  
BUILT-IN DIAGNOSTICS:  
Diagnostic Code Details  
Sensor Values  
Calibrations  
MENU DISPLAY:  
Codes  
Machine Settings  
Diagnostics

Hydraulic, Transmission and  
Axle Oils Vehicle  
Side Reflectors

**Required** - *You must select one from each category*



#### BASE MACHINE

FOB Davenport, Ia. 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
620G MOTOR GRADER	1210DW	\$271,121.00

Keep in mind that the following John Deere motor graders 770, 772, 870 & 872 offer optimized performance for high speed snow plowing applications.



#### ENGINE

Description	Code	Price
John Deere PowerTech PSS 6.8L meets EPA FT4 Emissions	1145	\$42,000.00

215 Net Peak hp

For use only in areas where EPA Final Tier 4 is required.  
Requires engine exhaust code 1830 or 1840.

Automatic Exhaust Filter Regeneration  
Series Turbo Chargers  
Cooled Exhaust Gas Recirculation  
4 Valves / Cylinder  
Wet Sleeve Cylinder Liners  
ECO Mode  
Auto-Idle and Programmable Auto-Shutdown  
Automatic Starter Overload Protection  
Electronically Controlled HPCR Fuel Delivery System, B20 Biodiesel Compatible  
Electric Fuel Priming System  
10-Micron Primary Fuel Filter/Water Separator, 500 hour  
2-Micron Final Fuel Filter, 500 hour  
Inline Fuel Strainer  
Spin-on Oil Filter, 500 hour  
Oil crankcase filter, Lifetime  
Auto-Tensioned Serpentine Belt  
Under Hood Dual Element Air Cleaner with Restriction Indicator  
Engine Intake Rotary Ejector Precleaner



#### EXHAUST

Description	Code	Price
Engine Exhaust with Flat Black Stack (EPA FT4 only)	1830	In Base Price

Requires engine code 1140.

Engine Exhaust with Chrome Stack (EPA FT4 only)	1840	\$691.00
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Requires engine code 1140.

## FUEL FILTRATION

Description	Code	Price
Standard Fuel & Water Filtration	1410	In Base Price
Severe Duty Fuel & Water Filtration System	1420	\$519.00
For use where fuel quality is questionable and/or additional water separation is required. Filter base contains fuel heater.		

## QUICK SERVICE GROUP

Description	Code	Price
Quick Service Group	1310	\$660.00
No Quick Service Group	1320	In Base Price

## MACHINE CONFIGURATION

Description	Code	Price
Standard Antler Rack Hydraulic Controls	1010	In Base Price
Armrest Fingertip Controls	1020	\$30,289.00
Grade Pro Armrest Controls Include: * Fingertip controls with industry standard control pattern * Automated Cross Slope control * Integrated grade control (Contact TOPCON, Trimble, or Leica for full install requirements) * Return-to-Straight * Armrest steering control AND conventional steering wheel  Requires alternator code 1220 or 1240 and cab code 5060 or 5070. Includes seat code 6140 and grade pro controls code 6650.		
Dual Joystick Controls	1030	\$30,289.00
Grade Pro Armrest Controls Include: * Automated Cross Slope control * Integrated grade control (Contact TOPCON, Trimble, or Leica for full install requirements) * Return-to-Straight * Armrest steering control AND conventional steering wheel  Requires alternator code 1220 or 1240 and cab code 5060 or 5070. Includes seat code 6140 and grade pro controls code 6650.		

## OPERATOR'S STATION

ROPS/FOPS Air Conditioned Cab

Description	Code	Price
Low Cab w/ Fixed Lower Front and Side Windows	5020	In Base Price
Low Cab w/ Fixed Lower Front and Side Opening Windows	5025	\$911.00
Low Cab w/ Lower Front and Side Opening Windows	5030	\$1,222.00
Includes Roof Wiring Harness for Lighting, Beacon, Precleaner and Heated Mirrors		

Low Cab w/ Fixed Lower Front and Side Opening Windows, Laminated Glass	5035	\$3,034.00
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The advantage of laminated glass is that it resists shattering and strongly resists penetration by impacting objects.

Grade Pro Low Cab w/ Lower Front and Side Opening Windows	5060	In Configuration
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Requires configuration code 1020 or code 1030 and seat code 6140.  
Requires (1) T244325 bracket to optionally move monitor to the RH door post.

Grade Pro Low Cab w/ Fixed Lower Front and Side Opening Windows, Laminated Glass	5070	\$2,152.00
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Requires configuration code 1020 or code 1030 and seat code 6140.  
Requires (1) T244325 bracket to optionally move monitor to the RH door post.

The advantage of laminated glass is that it resists shattering and strongly resists penetration by impacting objects.

#### ▼ REAR CAMERA

Description	Code	Price
Rear Camera	8810	\$2,501.00

Rear view camera with a dedicated monitor.

No Rear Camera	8820	In Base Price
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#### ▼ HEATER AND AIR CONDITIONING

Description	Code	Price
Air Conditioner Refrigerant Charged	8510	In Base Price

#### ▼ MIRRORS

Description	Code	Price
Exterior Mounted Rearview Mirrors	8210	In Base Price

Heated Exterior Mounted Rearview Mirrors	8220	\$560.00
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#### ▼ RADIO

Description	Code	Price
AM/FM Radio with Aux and Weather Band (WB)	8410	\$966.00

Premium AM/FM Radio with Bluetooth, Aux, Weather Band (WB), and XM Ready	8415	\$1,489.00
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Requires engine code 1125 or 1140.

No Radio	8420	In Base Price
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#### ▼ WASHER AND WIPER

Description	Code	Price
Lower Front Intermittent Wiper & Washer	8310	\$658.00

Less Lower Front Window Wiper & Wiper	8320	In Base Price
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▼ CAB AIR PRECLEANER

Description	Code	Price
Powered Cab Air Precleaner	6010	\$909.00
Powered Cab Precleaner pre-filters outside air to significantly extend cab filter life.		
No Powered Cab Air Precleaner	6030	In Base Price

▼ SEAT

Description	Code	Price
Standard Fabric Air Suspension Seat with Armrests and Headrest	6120	In Base Price
For use with cab codes 5020, 5025, 5030 & 5035		
Premium Heated, Leather/Fabric, High-Wide Back, Air Suspension Seat with Armrests	6130	\$729.00
For use with cab codes 5020, 5025, 5030 & 5035. This seat does not include a headrest. If a headrest is desired, please order AT361342 from service parts.		
Grade Pro Premium Heated, Leather/Fabric, High-Wide Back Air Suspension Seat	6140	In Configuration
For use with cab codes 5060 & 5070. This seat does not include a headrest. If a headrest is desired, please order AT361342 from service parts.		

▼ SOUND ABSORPTION PACKAGE

Description	Code	Price
No Sound Absorption Package	8730	In Base Price
Requires engine code 1140.		

▼ HYDRAULIC CONTROLS - RIGHT SIDE

Description	Code	Price
<b>Standard Hydraulic Controls</b>		
Industry standard manual hydraulic controls. Includes valves, control levers, and plumbing.		
Base Hydraulics - 4 Function Controls	6510	In Base Price
Requires configuration code 1010. Base Functions: Rear Steer, Circle Side shift, Wheel Lean & RH Blade Lift w/ Float.		
Base Hydraulics w/ 1 Auxiliary Function Control	6520	\$1,634.00
Requires configuration code 1010. Base functions plus 1 function w/float control - front plumbing and hoses for Scarifier or auxiliary application. For use with front scarifier.		
Mid Mount Scarifier Base Hydraulics w/ 1 Auxiliary Function Control	6525	\$1,853.00
Requires Mid Mount Scarifier code 6730 and configuration code 1010. Midmount scarifier base hydraulics with 1 auxiliary function control with float control for mid mount scarifier. For use with mid mount scarifier.		
<b>Grade Pro Controls</b>		

1020 - Finger-tip armrest mounted controls, consistent with the industry standard pattern. Includes armrest mounted lever steering plus the traditional steering wheel. All Auxiliary codes include front and rear plumbing for each function except code 6595. 1030 - Dual Joystick armrest mounted controls. Includes armrest mounted lever steering plus the traditional steering wheel. All Auxiliary codes include front and rear plumbing for each function except code 6595.

<b>Grade Pro Base Controls</b>	<b>6550</b>	<b>In Configuration</b>
Requires code 1020 OR 1030 Includes the following Base Hydraulic Functions: Rear Steer Circle Side shift Wheel Lean Right and Left hand Blade Lift w/ Float Circle Rotate Blade Side Shift Blade Tilt Speed-sensitive Lever Steer (also includes traditional steering wheel)		
<b>Grade Pro Controls for Mid Mount Scarifier w/1 Auxiliary Function Control</b>	<b>6526</b>	<b>\$1,853.00</b>
Requires codes 1020 OR 1030 AND Mid Mount Scarifier code 6730. Includes base functions plus mid-mount scarifier/auxiliary hoses that run to front of machine Fingertip controls include right hand lever control		
<b>Grade Pro Controls for Rear Ripper or 1 Rear Auxiliary Function</b>	<b>6555</b>	<b>\$1,636.00</b>
Requires code 1020 OR 1030 Includes Base functions plus 1 rear auxiliary function w/float control - Rear plumbing and hoses for Ripper or auxiliary application. Fingertip controls include left hand lever control		
<b>Grade Pro Controls for Front Scarifier or 1 Front Auxiliary Function</b>	<b>6560</b>	<b>\$1,636.00</b>
Requires code 1020 OR 1030 Include Base functions plus 1 front auxiliary function w/float control - front plumbing and hoses for Scarifier and/or auxiliary application. Fingertip controls include right hand lever control		
<b>Grade Pro Controls w/1 Rear Auxiliary Function Control</b>	<b>6570</b>	<b>\$1,636.00</b>
Requires code 1020 OR 1030 Includes Base functions plus 1 rear auxiliary function w/float control - Rear plumbing and hoses for auxiliary application. Fingertip controls include right hand lever control		
<b>Grade Pro Controls w/1 Front Auxiliary Function AND 1 Rear Auxiliary Function</b>	<b>6585</b>	<b>\$3,306.00</b>
Requires code 1020 OR 1030 Includes Base functions plus 2 auxiliary - 1 front and 1 rear auxiliary functions w/float control and plumbing for Scarifier / Ripper applications. Fingertip controls include left AND right hand lever control 4 independent proportional rollers are reconfigurable for auxiliary functions.		



#### HYDRAULIC CONTROLS - LEFT SIDE

Industry standard manual hydraulic controls. Includes valves, control levers, and plumbing.

<b>Description</b>	<b>Code</b>	<b>Price</b>
<b>Standard Hydraulic Controls</b>		
Industry standard manual hydraulic controls. Includes valves, control levers, and plumbing.		
<b>Base Hydraulics- 4 Function Controls</b>	<b>6610</b>	<b>In Base Price</b>

Requires code 1010.  
Base Functions: LH Blade Lift w/ Float, Blade Side shift, Circle Rotate, Blade Tilt.

Base Hydraulics w/ 1 Auxiliary Function Control	6620	\$1,438.00
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Requires code 1010.  
Base Functions plus 1 function w/float control and lines for Ripper or auxiliary application.  
For Use with Rear Ripper/Scarifier Combination.

### Grade Pro Controls

Grade Pro Controls - Left Side	6650	In Configuration
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Requires code 1020 or code 1030.  
Accompanies GRADE PRO CONTROLS - RIGHT SIDE order code selection.

### MISCELLANEOUS

Description	Code	Price
Less Future Release	7510	No Charge

### FUTURE RELEASE

Description	Code	Price
Future Release Option	8610	No Charge

### HYDRAULIC OIL

Description	Code	Price
Hydrau	5815	In Base Price

Broad ambient operating temperatures.  
Operating range:  
-25°C to 50°C  
-13°F to 122°F

Hydrau XR	5830	\$718.00
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Optional factory fill.  
Broad ambient operating temperatures.  
Operating range:  
-40°C to 40°C  
-40°F to 104°F  
Intended for colder climates, provides all-season capability.  
Required for Russia.

### HYDRAULIC PUMP DISCONNECT

Description	Code	Price
Hydraulic Pump Disconnect	1610	\$185.00

Required with engine code 1140.  
Required for Canada and Russia.

### HYDRAULIC FAN

Description	Code	Price
Reversing Fan	7610	\$750.00

Non-Reversing Fan	7620	In Base Price
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## GRADE CONTROL

Description	Code	Price
Topcon Grade Control Base Kit Installed	2500	\$7,019.00
Base kit is factory installed and includes additional brackets & wiring harnesses that further enhance and simplify the addition of a Topcon Grade Control System.		
Trimble Grade Control Base Kit Installed	2525	\$7,019.00
Base kit is factory installed and includes additional brackets and wiring harnesses that further enhance and simplify the addition of a Trimble GCS900 Grade Control System.		
Leica Grade Control Base Kit Installed	2550	\$7,019.00
Base kit is factory installed and includes additional brackets & wiring harnesses that further enhance and simplify the addition of a Leica 2D or 3D Grade Control System.		
No Grade Control Base Kit Installed	2575	In Base Price

## TOPCON GRADE CONTROL SYSTEM

Description	Code	Price
No Topcon Radio Installation	2775	In Base Price

## 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 Charge
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 <a href="http://www.StellarSupport.com">www.StellarSupport.com</a> 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 <a href="http://www.JohnDeere.com/Agreements">www.JohnDeere.com/Agreements</a> . If these terms and conditions are not agreeable do not proceed and do not use the service.		
JDLink Ultimate Satellite - 5 Years	170J	\$1,936.00
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](http://www.StellarSupport.com) to renew or update JDLink subscriptions.

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

#### CIRCLE DRIVE GEARBOX

Description	Code	Price
Single Input Gearbox without Slip Clutch	2810	In Base Price
Single Input Gearbox with Slip Clutch	2820	\$2,704.00

Slip clutch protects circle, circle drive gearbox and draft frame from damage when end of moldboard comes in contact with stationary objects. Slip clutch is integral to the circle drive gearbox assembly and allows the circle frame to rotate, avoiding damage to the machine, when the end of the moldboard comes in contact with an immovable object.

#### MOLDBOARDS WITH DURA-MAX CUTTING EDGES AND END BITS

Description	Code	Price
12 Ft. x 24 In. x 7/8 In. (3.66M x 610mm x 22mm) w/ 6 In. x 5/8 In. (152 x 16mm) Cutting Edge & 5/8 in. (16mm) Hardware	2010	In Base Price
12 Ft. x 24 In. x 7/8 In. (3.66M x 610mm x 22mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware	2020	\$393.00
14 Ft. x 24 In. x 7/8 In. (4.27M x 610mm x 22mm) w/ 6 In. x 5/8 In. (152 x 16mm) Cutting Edge & 5/8 in. (16mm) Hardware	2050	\$1,331.00
14 Ft. x 24 In. x 7/8 In. (4.27M x 610mm x 22mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware	2060	\$1,541.00

#### BLADE IMPACT ABSORPTION SYSTEM

Description	Code	Price
Blade Impact Absorption System	1910	\$3,555.00
Protects Moldboard and draft frame from impacts with Stationary objects		
No Blade Impact Absorption System	1920	In Base Price

#### LIGHTING

For raised front lights order code 9270 Tall Front Light Bar. All lighting packages include LED turn signals on front frame, LED rear turn signals mounted on rear grille, front and rear LED marker lights, LED brake lights and LED hazard warning lights.

Description	Code	Price
Transporting Lights (4 Halogen Transport Lights)	7110	In Base Price
Includes 2-high and 2-low beam halogen headlights.		
Grading Lights (10 Halogen Lights)	7130	\$1,077.00
Includes light code 7110 Transporting Lights plus (6) additional work lights (2 - bottom cab, 2 - mid-frame, 2 - reversing lights on rear grill).		
Deluxe Grading Lights (18 Halogen Lights)	7160	\$1,702.00
Includes light code 7130 Grading Lights plus (8) additional work lights (4 - corner cab, 2 - front cab, and 2 - right-side cab roof).		

Premium Grading Lights (18 LED Lights)	7180	\$4,800.00
Same lighting locations as light code 7160 Deluxe Grading Lights, all Premium Grading Lights are LED.		

#### CONVERTER

Description	Code	Price
24-to-12 Volt Converter (15 amps peak / 10 amps continuous)	8110	In Base Price
24-to-12 Volt Converter (30 amps peak / 25 amps continuous)	8120	\$462.00
Recommend code 8120 for additional 12 volt needs, such as business band or CB radios		

#### ALTERNATOR

Description	Code	Price
130 amp Alternator	1235	\$405.00
Requires engine code 1145		
200 amp Alternator	1240	\$938.00
Requires engine code 1145		

#### FRONT ATTACHMENTS

Description	Code	Price
Less Front Attachment	6750	In Base Price
Front Push Block	6715	\$2,791.00
2,000 lbs. Optimized for 620G/622G Models.		
Front Scarifier	6720	\$8,878.00
Includes Front Hydraulics, plumbing and hoses Scarifier with 2 pitch positions and 9 shank pockets Five 1 x 3 inch Scarifier Shanks w/teeth If additional shanks are desired order (1) each of T6Y5230 Tooth, T114792 Shank and T104223 Retainer for each set. Can not be used with 6550 Hydraulics.		
Mid-Mount Scarifier with Integrated Front Push Plate	6730	\$15,826.00
Requires hydraulic code 6525 or 6526 Mid-Mount Scarifier with Push Block Can not be used with Front Scarifier. Not for use with Front Fenders Code 7810. Recommend Rear Counterweight for better machine balance.		
Balderson Style Front Lift Group	6740	\$7,528.00
Requires hydraulic code 6520, 6530, 6540, 6560, 6580, 6585, 6590, or 6595. (2) AT367896 Mating Hooks from Parts are available to convert old front attachments to the Bladerson-style lift group.		
Front-Mounted Dozer Blade, 97 in. x 37.6 in. (2464 mm x 955 mm)	6770	\$9,700.00
Requires hydraulic controls on the right side with a minimum 1 front auxillary function. Requires 14.0 24 or 14.0 R24 tires		
Front-Mounted Dozer Blade, 105 in. x 37.6 in. (2667 mm x 955 mm)	6780	\$9,882.00

Requires hydraulic controls on the right side with a minimum 1 front auxillary function.  
Requires 14.0 24, 14.0 R24, 17.5 25, or 17.5 R 25 tires.

## REAR ATTACHMENTS

Description	Code	Price
No Rear Attachment	6850	In Base Price
Rear Mounted Ripper/Scarifier Combination with Rear Hitch and Pin	6810	\$17,468.00
Includes Rear mounted Ripper/Scarifier with rear hitch and pin. NeverGrease Pin Joints. Three 2 x 5 in. Ripper Shanks w/teeth. Does not include Scarifier Shanks w/teeth (offered in code 9430: (9) Extra Scarifier Shanks w/Teeth For Rear Ripper/Scarifier) Can not be used with codes 6550, 6560 or 6610. Recommend Front Push Block (or other front equipment) for proper weight distribution and performance.		
Rear Counterweight with Rear Hitch and Pin	6820	\$2,604.00
1600 lbs.(725.7 kg.) Rear Counterweight. Recommend for use with Front / Mid Scarifier.		
Rear Hitch and Pin	6830	\$502.00
Not for use with Rear Ripper/Scarifier.		

## MAST MOUNTS

Description	Code	Price
Mast Mounts	2910	\$629.00
No Mast Mounts	2920	In Base Price

## TRANSMISSION

Description	Code	Price
Autoshift Transmission	5510	\$1,842.00
Manual Shift Transmission (no Autoshift)	5520	In Base Price

## TRANSMISSION SOLENOID GUARD

Description	Code	Price
Transmission Solenoid Valve Guard	5710	\$209.00
Required with engine code 1140. Required for Canada and Russia. Recommended for snow plowing applications		
NO Transmission Solenoid Valve Guard	5720	In Base Price

## WHEELS AND TIRES

Each selection includes a set of 6 tire/rim assemblies. NOTE: If a No Brand Preference code is selected a 9000 code in the Special Equipment - Order as Desired section will automatically be selected as well. This is required to enable the factory to source this order. All Tires are tubeless unless stated differently and include rims. All wheels on 6WD models are 3 piece rims. LOAD RATING SHALL BE MATCHED FOR EQUIPMENT WEIGHT (unless otherwise noted): 14.0-24 tire, maximum per tire load 6800 lbs. 14.0R24 tire, maximum per tire load 7282 lbs. 17.5-25 tire, maximum per tire load 6400 lbs. 17.5R25 tire, maximum per tire load 8048 lbs. Radial Tires: Recommended for puncture resistance, fuel economy and increased traction.

Description	Code	Price
<b>14.0-24 12 PR G2 Bias Tires With 1 Piece Rims</b>		
Firestone SGG	4312	\$15,294.00
Titan	4313	\$7,929.00
<b>14.0-24 12 PR G2 Bias Tires With 3 Piece Rims</b>		
No Brand Preference	4914	\$9,515.00
Firestone SGG	4317	\$17,251.00
Titan	4318	\$10,618.00
<b>14.0R24 G2/L2 Single Star Radial Tires With 1 Piece Rims</b>		
No Brand Preference	4917	\$19,511.00
Michelin XGLA2	4411	\$21,817.00
Bridgestone VUT	4412	\$20,614.00
<b>14.0R24 G2/L2 Single Star Radial Snow Tires With 1 Piece Rims</b>		
No Brand Preference	4915	\$24,764.00
Michelin SnoPlus	4421	\$26,516.00
Bridgestone Snow Wedge	4422	\$25,867.00
<b>14.0R24 G2/L2 Single Star Radial Tires With 3 Piece Rims</b>		
No Brand Preference	4918	\$21,772.00
Michelin XGLA2	4416	\$24,080.00
Bridgestone VUT	4417	\$22,875.00
<b>14.0R24 G2/L2 Single Star Radial Snow Tires With 3 Piece Rims</b>		
No Brand Preference	4916	\$27,021.00
Michelin SnoPlus	4426	\$28,774.00
Bridgestone Snow Wedge	4427	\$28,125.00
<b>17.5-25 12 PR G2/L2 Bias Tires With 1 Piece Rims</b>		
Firestone SGG	4512	\$17,621.00
<b>17.5-25 12 PR G2/L2 Bias Tires With 3 Piece Rims</b>		
Firestone SGG	4517	\$20,431.00
<b>17.5R25 L2 Single Star Radial Tires With 1 Piece Rims</b>		
No Brand Preference	4923	\$14,740.00
Michelin XTLA	4611	\$25,324.00

Bridgestone VUT	4612	\$23,706.00
Titan TGL2	4613	\$15,843.00
<b>17.5R25 L2 Single Star Radial Tires With 3 Piece Rims</b>		
No Brand Preference	4924	\$17,013.00
Michelin XTLA	4616	\$28,135.00
Bridgestone VUT	4617	\$26,517.00
Titan TGL2	4618	\$18,116.00
<b>17.5R25 G3/L3 Single Star Radial Tires With 1 Piece Rims</b>		
Michelin XHA	4621	\$28,388.00
<b>17.5R25 G3/L3 Single Star Radial Tires With 3 Piece Rims</b>		
Michelin XHA	4626	\$31,636.00
<b>17.5R25 G2/L2 Single Star Radial Tires With 1 Piece Rims</b>		
No Brand Preference	4919	\$26,932.00
Michelin SnoPlus	4631	\$29,927.00
Bridgestone Snow Wedge	4632	\$28,035.00
<b>17.5R25 G2/L2 Single Star Radial Tires With 3 Piece Rims</b>		
No Brand Preference	4920	\$30,180.00
Michelin SnoPlus	4636	\$33,176.00
Bridgestone Snow Wedge	4637	\$31,282.00
<b>Less Wheels and Tires</b>		
Less Tires & Wheels	4000	In Base Price
Not available for Russia.		

**FENDERS**

<b>Description</b>	<b>Code</b>	<b>Price</b>
Front Fenders	7810	\$2,126.00
No Front Fenders	7820	In Base Price

**OPERATOR'S MANUAL AND DECALS**

<b>Description</b>	<b>Code</b>	<b>Price</b>
English Labels and Decals	2605	No Charge
French Labels and Decals	2615	No Charge

**Optional** - *Select as desired*

## ▼ COLD START PACKAGES

Description	Code	Price
Engine Block Heater	9360	\$342.00
Recommended for use on machines that will be operating above 8,000 feet (2440 meters) in altitude, and/or colder than 0 degrees F (-18 degrees C). Includes all weather receptacle conveniently located at ground level. Requires: Code 1610 Hydraulic Pump Disconnect		
Cold Weather Control Valve Covers	9620	\$203.00
Plastic covers that mount below the cab, shielding the control valve from snow and slowing down hydraulic heat loss in winter. Requires code 1010 standard hydraulics.		

## ▼ AIR PRE-CLEANER

Description	Code	Price
Adjusting Rotary Ejector Precleaner	9395	\$546.00
Ability to raise engine pre-cleaner to improve air filter performance.		

## ▼ SUN PROTECTION

Description	Code	Price
Front Window Movable Sun Visor	9120	\$148.00
Rear Retractable Sun Shade	9130	\$222.00

## ▼ MISCELLANEOUS

Description	Code	Price
Decelerator	9210	\$298.00
Rear Wiper	9410	\$210.00
Multi-Purpose Cab Brackets with Grab Handle (2)	9135	\$1,018.00
Sample Ports	9476	\$120.00

## ▼ MOLDBOARD AND CIRCLE ADDITIONAL EQUIPMENT

Description	Code	Price
Reversible Overlay End Bits	9450	\$501.00
Not available for Russia.		

## ▼ LIGHTING

Description	Code	Price
Right Side Engine Compartment Work Light	9273	\$231.00
License Plate Bracket and Light	9275	\$158.00
Left Side Engine Compartment Work Light	9274	\$231.00

## ▼ BEACON LIGHTING

Description	Code	Price
Beacon with Flip Down Cab Beacon Bracket (RH)	9298	\$668.00

Includes beacon and bracket.  
Order codes 9298 and 9299 for dual beacons.

Beacon with Flip Down Cab Beacon Bracket (LH)	9299	\$668.00
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Includes beacon and bracket.  
Order codes 9298 and 9299 for dual beacons.

Flip Down Cab Beacon Bracket (RH)	9290	\$155.00
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Order codes 9290 and 9295 for dual beacon brackets.

Flip Down Cab Beacon Bracket (LH)	9295	\$155.00
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Order codes 9290 and 9295 for dual beacon brackets.

#### ▼ MISCELLANEOUS

Description	Code	Price
Level 1 Electronic Corrosion Prevention Package	9200	\$1,353.00

Corrosion Preventive Treatment for critical electronic connections.  
Requires code 5710 Transmission Solenoid Valve Guard.

#### ▼ SCARIFIER AND RIPPER ATTACHMENTS

Description	Code	Price
(9) Extra Scarifier Shanks w/Teeth For Rear Ripper/Scarifier	9430	\$1,426.00

Requires Code 6810 Ripper/Scarifier.

#### ▼ FIRE EXTINGUISHER

Description	Code	Price
5.0 lbs. multi purpose (ABC) Dry Chemical Fire Extinguisher	9220	\$128.00

#### ▼ SIGNS

Description	Code	Price
Slow Moving Vehicle (SMV) Sign	9280	\$85.00

#### ▼ MISCELLANEOUS

Description	Code	Price
Secondary Steering	9630	\$4,251.00

#### ▼ WHEELS AND TIRES

Description	Code	Price
14.0-24 12 PR NO BRAND PREFERRED G2 WITH 3PC RIM	9714	No Charge
14.0R24 G2/L2 1 STAR SNOW NO BRAND PREFERRED WITH 1PC RIM	9715	No Charge
14.0R24 G2/L2 1 STAR SNOW NO BRAND PREFERRED WITH 3PC RIM	9716	No Charge



14.0R24 G2/L2 1 STAR NO BRAND PREFERRED WITH 1PC RIM	9717	No Charge
14.0R24 G2/L2 1 STAR NO BRAND PREFERRED WITH 3PC RIM	9718	No Charge
17.5R25 G2/L2 1 STAR SNOW NO BRAND PREFERRED WITH 1PC RIM	9719	No Charge
17.5R25 G2/L2 1 STAR SNOW NO BRAND PREFERRED WITH 3PC RIM	9720	No Charge
17.5R25 L2 1 STAR NO BRAND PREFERRED WITH 1PC RIM	9723	No Charge
17.5R25 L2 1 STAR NO BRAND PREFERRED WITH 3PC RIM	9724	No Charge
Spare Tire and Rim - 14.0R24 Michelin XGLA2 Single Star Radial Tire With 3 Piece Rim	9416	\$3,227.00
Fits both tandem and 6WD machines, front and rear. Not ideal for 6WD performance if used as a front tire due to rim offset but will work as a temporary. Tire is NOT attached to the grader. Limit 1 per machine.		
Spare Tire and Rim - 14.0R24 Michelin SnoPlus Single Star Radial Snow Tire With 3 Piece Rim	9426	\$3,867.00
Fits both tandem and 6WD machines, front and rear. Not ideal for 6WD performance if used as a front tire due to rim offset but will work as a temporary. Tire is NOT attached to the grader. Limit 1 per machine.		
Spare Tire and Rim - 17.5R25 Michelin XTLA Single Star Radial Tire With 3 Piece Rim	9616	\$3,837.00
Fits both tandem and 6WD machines, front and rear. Not ideal for 6WD performance if used as a front tire due to rim offset but will work as a temporary. Tire is NOT attached to the grader. Limit 1 per machine.		
Spare Tire and Rim - 17.5R25 Michelin SnoPlus Single Star Radial Snow Tire With 3 Piece Rim	9636	\$4,470.00
Fits both tandem and 6WD machines, front and rear. Not ideal for 6WD performance if used as a front tire due to rim offset but will work as a temporary. Tire is NOT attached to the grader. Limit 1 per machine.		

## ▼ FENDERS

Description	Code	Price
Rear Wheel Fenders	9005	\$3,470.00
18.75 in.(476mm) Rear Wheel Fenders Fenders are not for use with 550 tires. Fenders can only be used with chains that are designed for 3" of radial clearance and 1.75" of sidewall clearance. Use of Tire chains permitted in accordance with SAE J683, and requires removal of front mud flap on rear fenders.		

## ▼ SHIPPING PREPARATION

## ▼ 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.johndeeretechno.com](http://www.johndeeretechno.com) and clicking on Library, or by clicking on this Hyperlink ( [Installation Bulletin Search](#) ), and insert the AT number to retrieve the attachment installation instruction bulletin for additional parts. Exception to above note is FRONTIER Dealer Installed Kits. All attachments are sold as a quantity of one.

Description	Code	Price
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**Front Attachments**

Balderson Lift Hook	AT367896	View Price
For customers ordering Balderson front lift group, it will require 2 mating hooks to adapt their old front attachments over to the Balderson style lift group.		
Balderson Style Front Lift Group	AT439817	\$7,528.00
Dozer Blade, 105 in. (2667 mm)	AT439952	\$9,834.00
Dozer Blade, 97 in. (2464 mm)	AT439951	\$9,655.00
Front Push Block	AT363681	\$4,469.00
2,950 lbs.		
Front Scarifier	AT439815	\$8,835.00
Includes scarifier with 2 pitch positions and 9 shank pockets, Five 1 x 3 in. scarifier shanks, cylinder and hoses Requires 5th Function Hydraulics. Average installation, 2 hours.		
Mid-Mount Scarifier with Front Push Block	AT439818	\$16,466.00
Requires code 6525 Hydraulics. Mid-Mount Scarifier with Push Block cannot be used with Front Scarifier. Not for use with Front Fenders. Recommend Rear Counterweight for better machine balance.		
<b>Grade Control</b>		
IGC Mast Mounts(2)	AT359016	\$629.00
<b>Hydraulics</b>		
5 Function valve section and linkage Left Kit	AT458173	\$931.00
Includes detented float. Installation instructions T213708.		
5 Function valve section and linkage Right Kit	AT458171	\$1,146.00
Includes detented float. Installation instructions T213708.		
Grade Pro EH Controls Hydraulics Auxiliary Section	AT458174	\$1,627.00
For only Grade Pro G-Series Graders. Requires mini joystick and or dual control levers.		
Grade Pro Moldboard Impact Absorption System	AT439814	\$3,537.00
For only Grade Pro G-Series Graders.		
Moldboard Impact Absorption System	AT439812	\$4,033.00
One Hand Blade Lift Kit	AT302544	\$147.00
To convert two-hand blade lift controls to one-hand controls on the right side, when the machine is already equipped with a RH 5th function valve. Installation instructions T212017		
One Hand Blade Lift with Control Valve Kit	AT458178	\$742.00
To convert two-hand blade lift controls to one-hand controls on the right side, when		

the machine is NOT already equipped with a RH 5th function valve.  
Installation instructions T213709.

### Moldboard and Circle

Moldboard Extension, 24 X 24 X 7/8 In. Left Hand	AT307730	\$2,483.00
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7/8 in. (22mm) thick.  
Includes 5/8 in. (17mm) Hardware.  
Cutting Edge is not included.

Moldboard Extension, 24 x 24 x 7/8 In. Right Hand	AT307731	\$2,483.00
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7/8 in. (22mm) thick.  
Requires 5/8 in. (17mm) Hardware.  
Cutting Edge is not included.

### Operator Environment

AM/FM/WB Radio with CD Player	AT300765	\$1,081.00
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Dual Joystick to Fingertip Control Conversion Kit	BYT10357	\$5,333.00
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S/N 678818 and after

Fingertip Control to Dual Joystick Conversion Kit	BYT10358	\$5,333.00
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S/N 678818 and after

Fire Extinguisher Bracket Kit	AT418228	\$128.00
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GP Armrest Extension Field Kit	BYT10366	\$233.00
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Extends GP armrests up 100 MM forward. Widens armrests up to 20 mm each side.

MP3/iPod/Sat Radio/Cell Phone holder w/ 2 Power Ports and Cargo Net	AT349372	\$154.00
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kit includes a cargo net, bracket/holder, wire harness, 2 power ports, plastic holder, and instructions.

Premium AM/FM Radio with Bluetooth, Aux, Weather Band (WB), and XM Ready	AT411106	\$1,489.00
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Rear Camera Field Kit (FT4)	BYT10521	\$2,501.00
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S/N 678818 and after

Secondary Monitor Mounting Field Kit	BYT10340	\$105.00
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This bracket is required to move the monitor to the RH door post when a customer adds (IGC) Integrated Grade Control.

S/N 678818 and after.

Slope Meter Field Kit	BYT10509	\$49.00
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### Overall Vehicle

Beacon Strobe kit	AT408630	\$231.00
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Light Only

Front Wheel Fenders - 4WD	BYT10416	\$2,126.00
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18.75 in.(476mm) Front Wheel Fenders  
Not for use with 550 Tires.  
Use of Tire chains permitted in accordance with SAE J683.

S/N 678818 and after.		
Heated Mirror	BYT10457	\$199.00
LH Beacon Bracket	BYT10459	\$158.00
License Plate Bracket and Light	BYT10024	\$158.00
For use with FT4 only.		
RH Beacon Bracket	BYT10458	\$158.00
Rear Wheel Fenders	AT400762	\$5,183.00
18.75 in.(476mm) Rear Wheel Fenders Fenders are not for use with 550 tires.		
Fenders are not recommended for use with tires chains and are designed for a maximum of 3" of radial clearance and 1.75" of sidewall clearance. Use of Tire chains is permitted in accordance with SAE J683.		
Reversing Fan (FT4)	BYT10346	\$750.00
Convert machine with non-reversing cooling fan to automatic reversing with adjustable time intervals. Only for 620 and 622 models.		
Secondary Steering - FT4	AT457672	\$2,244.00
Average installation, 12.0 hours.		
S/N 678818 and after.		
Single LED work light with high beam lens	AT399788	\$415.00
Replacement for both 12V & 24V work and drive lamps.		
Single LED work light with symmetric lens	AT399789	\$415.00
Replacement for both 12V & 24V work and drive lamps.		
Slow Moving Vehicle Emblem for all T3, IT4 and FT4 Machines	AT370909	\$99.00
<b>Powertrain</b>		
Autoshift Transmission Field Kit	AT431337	View Price
Tandem Axle Grease Bank kit	AT381371	\$111.00
Kit provides fittings, mount and lines to both tandem drives. For Graders produced before February 2010.		
<b>Rear Attachments</b>		
Rear Counterweight with Rear Hitch and Pin	AT367788	\$3,926.00
1600 lbs.(725.7 kg.) Rear Counterweight. Recommend for use with Front / Mid Scarifier.		
Rear Hitch and Pin	AT339398	\$605.00
Rear Mounted Ripper/Scarifier Combination	AT439816	\$11,495.00
Includes rear mounted ripper/scarifier with rear hitch and pin, three 2 x 5 inch ripper shanks, cylinders and hoses for rear ripper/scarifier. When not equipped with front mounted equipment, requires ripper hydraulics.		

Cannot be used with rear hitch.  
Requires 5th section valve code 6620 or order AT458173  
Average installation, 8 hours.

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<b>Rear Scarifier Shanks (9)</b>	<b>AT415551</b>	<b>\$1,179.00</b>
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Includes nine (9) each of shanks, retainers, and holders.

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