



JOHN DEERE

Current Date 02Jan2019

## 870G MOTOR GRADER

## 870G 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. 10 Fin/Inch or less and coolers may swing-out, fold-out or remain stationary for cleaning. 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:  
32 GPM Transmission Gear Pump

## 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  
Front Sun Visor

## 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

Transporting Lights w/LED Signal and Marker Lights (4 Halogen Transport lights)

## Diagnostics

Monitor Settings

## HYDRAULIC SYSTEM:

PCLS (Pressure Compensating Load Sensing) Hydraulic System

Independent Hyd. reservoir with Sight Glass

Independent Main Hydraulic filtration cooling system with:

57.5 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 14 Ft. x 27 In. x 1 In. (4.27 M x 686 mm x 25 mm)

Moldboard with:

8 In. x 3/4 In. (203 x 19 mm) Cutting Edge with

5/8 in. Reversible End Bits

|                                                                                                                  |                                                                                                                                                                                                                             |                                                                                                   |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 2000 Hour Vertical Spin-On Filter                                                                                | Transporting Lights (4 Halogen Transport Lights). Includes 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. | Quick Change Circle Wear Inserts (All Nylon)                                                      |
| AXLE, BRAKES AND TANDEMS:                                                                                        | Cab Pre-Wired (10 amp) for Beacon, Radio and Auxiliary Circuit                                                                                                                                                              | Quick Change and Adjustable Heavy Duty Moldboard Side Shift Wear Inserts                          |
| Teammate II Axle                                                                                                 | Electric Forward Warning Horn (Conforms to ISO 9533)                                                                                                                                                                        | Dual Input Circle Drive Gearbox (non-slip)                                                        |
| Planetary Single Reduction Final Drives                                                                          | Back up Warning Alarm (Conforms to ISO 9533)                                                                                                                                                                                | OVERALL VEHICLE:                                                                                  |
| Internal Self-Adjusting Maintenance Free Wet Multi-Disk Brakes Inboard of Tandem Pivot                           | Sealed Switch Module with Function Indicators                                                                                                                                                                               | Left Side Daily Service Engine and Service Compartment Lights                                     |
| Continuous Pressurized Filtered Oil Cooled Brakes Independent Oil Reservoir, Filtration and Cooling System with: | Multi-Function / Multi-Language LCD Color Monitor includes: DIGITAL INSTRUMENTS ANALOG Display:                                                                                                                             | Hinged Engine Side Shields                                                                        |
| 8 GPM Axle Hydraulic Gear Pump                                                                                   | Hydraulic Oil Temperature                                                                                                                                                                                                   | Tool Box with Tray                                                                                |
| Primary and Secondary Service Brakes (Conforms to ISO 3450)                                                      | Engine Coolant Temperature                                                                                                                                                                                                  | Articulation Joint Grease Bank                                                                    |
| Automatic Differential Lock with Override                                                                        | Transmission Oil Temperature                                                                                                                                                                                                | Articulated frame with Safety (ISO 10570) locking pin                                             |
| Automatic Spring-Applied Hydraulic Released Parking Brake (Conforms to SAE J1026)                                | Rear Steer Articulation Angle                                                                                                                                                                                               | Radiator Surge Tank Access Panel                                                                  |
| 17.5 R 25 Inch L2 Single Star Radial Tires                                                                       | Fuel Level                                                                                                                                                                                                                  | Bottom/Side Guards with Access Panels                                                             |
| Slip Resistant Platforms on Tandems                                                                              | DEF Level (FT4 Only)                                                                                                                                                                                                        | (6) D.O.T. (392&393)                                                                              |
| OPERATORS STATION:                                                                                               | DIGITAL Display:                                                                                                                                                                                                            | Permanent Tie Downs for transport                                                                 |
| Low ROPS/FOPS Air Conditioned Cab (Conforms ROPS ISO 3471 / FOPS ISO 3449 Level II)                              | Engine RPM                                                                                                                                                                                                                  | Single Key Locks for Entire Vehicle                                                               |
| Rubber Isolation Frame Mounted                                                                                   | Transmission Gear Indicator                                                                                                                                                                                                 | Ground Level Fuel Tank Filling (FT4 Only)                                                         |
| Keyless Start with Multiple Security Modes                                                                       | Hour Meter                                                                                                                                                                                                                  | Fluid Sampling Ports for Engine Oil, Engine Coolant, Hydraulic, Axle and Transmission Oils        |
| Anti-Skid 3 Step Cab Access                                                                                      | Speedometer                                                                                                                                                                                                                 | Vandal Protection Locking for:                                                                    |
| Fabric Air Suspension Seat with Armrests and Headrest 3 In., (76 mm)                                             | Odometer                                                                                                                                                                                                                    | Service Compartments                                                                              |
| Seat Belt w/Retractors (Conforms to SAE J386)                                                                    | Outside Ambient Temperature                                                                                                                                                                                                 | Cab Doors                                                                                         |
| Tilt Wheel and Control Console with 5 Lock to Lock Power Steering                                                | Integrated Job Timer and Stop Watch                                                                                                                                                                                         | Radiator Surge Tank Access Door                                                                   |
| Electronic Throttle Control with Auto / Manual Modes                                                             | INDICATOR LIGHTS for Standard and Selected Options                                                                                                                                                                          | DEF Tank Door and Cap (FT4 Only)                                                                  |
| ECO Mode: limits engine rpms to 1900 in gears 1-5                                                                | INDICATOR LIGHTS for Amber Caution and Red Stop                                                                                                                                                                             | Hydraulic Reservoir Cap                                                                           |
| 15 Amp (24 V to 12 V W/ Continuous 10 amps) Converter and (2) Power                                              | OPERATOR WARNING MESSAGES                                                                                                                                                                                                   | Battery Disconnect Switch                                                                         |
|                                                                                                                  | BUILT-IN DIAGNOSTICS: Diagnostic Code Details                                                                                                                                                                               | Fuel Tank Door and Cap                                                                            |
|                                                                                                                  | Sensor Values                                                                                                                                                                                                               | Tool Box                                                                                          |
|                                                                                                                  | Calibrations                                                                                                                                                                                                                | Fuel tank, 110 gallon (416 L)                                                                     |
|                                                                                                                  | MENU DISPLAY: Codes                                                                                                                                                                                                         | Environmental Drains with Hoses for Engine, Transmission, Hydraulic, Axle Oils and Engine Coolant |
|                                                                                                                  | Machine Settings                                                                                                                                                                                                            | Remote Filter Bank for 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        |
|-------------------|-------|--------------|
| 870G MOTOR GRADER | 8480T | \$349,484.00 |

▼ ENGINE

| Description                                           | Code | Price       |
|-------------------------------------------------------|------|-------------|
| John Deere PowerTech PSS 9.0L meets EPA FT4 Emissions | 1140 | \$54,362.00 |

280 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  
Automatic Hydraulic Reversing Fan  
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 | No Added Cost |

Requires engine code 1140.

|                                                 |      |          |
|-------------------------------------------------|------|----------|
| Engine Exhaust with Chrome Stack (EPA FT4 only) | 1840 | \$691.00 |
|-------------------------------------------------|------|----------|

Requires engine code 1140.

▼ FUEL FILTRATION

| Description                      | Code | Price         |
|----------------------------------|------|---------------|
| Standard Fuel & Water Filtration | 1410 | No Added Cost |

|                                            |      |          |
|--------------------------------------------|------|----------|
| 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 | No Added Cost |



#### MACHINE CONFIGURATION

| Description                             | Code | Price         |
|-----------------------------------------|------|---------------|
| Standard Antler Rack Hydraulic Controls | 1010 | No Added Cost |
| Armrest Fingertip Controls              | 1020 | \$33,489.00   |

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 | \$33,489.00 |
|------------------------|------|-------------|

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 | No Added Cost |
| 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 |
|------------------------------------------------------------------------|------|------------|

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 | No Added Cost |
|-----------------------------------------------------------|------|---------------|

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 |
|----------------------------------------------------------------------------------|------|------------|

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 | No Added Cost |
|----------------|------|---------------|



#### MIRRORS

| Description                       | Code | Price         |
|-----------------------------------|------|---------------|
| Exterior Mounted Rearview Mirrors | 8210 | No Added Cost |

|                                          |      |          |
|------------------------------------------|------|----------|
| Heated Exterior Mounted Rearview Mirrors | 8220 | \$560.00 |
|------------------------------------------|------|----------|



#### RADIO

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

|                                                                |      |            |
|----------------------------------------------------------------|------|------------|
| Premium AM/FM Radio with Bluetooth, Aux and Weather Band (WB). | 8415 | \$1,489.00 |
|----------------------------------------------------------------|------|------------|

Requires engine code 1140.

|          |      |               |
|----------|------|---------------|
| No Radio | 8420 | No Added Cost |
|----------|------|---------------|



#### WASHER AND WIPER

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

|                                       |      |               |
|---------------------------------------|------|---------------|
| Less Lower Front Window Wiper & Wiper | 8320 | No Added Cost |
|---------------------------------------|------|---------------|



#### 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 | No Added Cost |
|-------------------------------|------|---------------|



#### SEAT

| Description | Code | Price |
|-------------|------|-------|
|-------------|------|-------|

|                                                                                                                                                               |      |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| Standard Fabric Air Suspension Seat with Armrests and Headrest                                                                                                | 6120 | \$441.00      |
| For use with cab codes 5020, 5025, 5030 & 5035                                                                                                                |      |               |
| Premium Heated, Leather/Fabric, High-Wide Back, Air Suspension Seat with Armrests                                                                             | 6130 | \$1,170.00    |
| For use with cab codes 5020, 5025, 5030 & 5035.<br>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 | No Added Cost |
| For use with cab codes 5060 & 5070.<br>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 | No Added Cost |
| Requires engine code 1140.  |      |               |

▼ HYDRAULIC CONTROLS - RIGHT SIDE

| Description                                                                                                                                                                                                                  | Code | Price         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| <u>Standard Hydraulic Controls</u>                                                                                                                                                                                           |      |               |
| Industry standard manual hydraulic controls. Includes valves, control levers, and plumbing.                                                                                                                                  |      |               |
| Base Hydraulics - 4 Function Controls                                                                                                                                                                                        | 6510 | No Added Cost |
| Requires configuration code 1010.<br>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.<br>Base functions plus 1 function w/float control - front plumbing and hoses for Scarifier or auxiliary application.<br>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.<br>Midmount scarifier base hydraulics with 1 auxiliary function control with float control for mid mount scarifier.<br>For use with mid mount scarifier. |      |               |
| Base Hydraulics w/ 2 Auxiliary Function Controls                                                                                                                                                                             | 6530 | \$3,084.00    |
| Requires configuration code 1010.<br>Base functions plus 2 functions w/float control - front plumbing and hoses for Scarifier and/or auxiliary application.<br>For use with front scarifier.                                 |      |               |
| Base Hydraulics w/ 3 Auxiliary Function Controls                                                                                                                                                                             | 6540 | \$4,532.00    |

Requires code 1010.

Base Functions plus 3 functions-(2) with and (1) w/o float control, front plumbing and hoses for Scarifier and/or auxiliary application.  
For use with front scarifier.

### Grade Pro Controls

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.

|                                                                                                                                                                                                                                                                                                                         |      |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| Grade Pro Base Controls                                                                                                                                                                                                                                                                                                 | 6550 | No Added Cost |
| <p>Requires code 1020 OR 1030<br/>Includes the following Base Hydraulic Functions:<br/>Rear Steer<br/>Circle Side shift<br/>Wheel Lean<br/>Right and Left hand Blade Lift w/ Float<br/>Circle Rotate<br/>Blade Side Shift<br/>Blade Tilt<br/>Speed-sensitive Lever Steer (also includes traditional steering wheel)</p> |      |               |
| Grade Pro Controls for Mid Mount Scarifier w/1 Auxiliary Function Control                                                                                                                                                                                                                                               | 6526 | \$1,853.00    |
| <p>Requires codes 1020 OR 1030 AND Mid Mount Scarifier code 6730.<br/>Includes base functions plus mid-mount scarifier/auxiliary hoses that run to front of machine<br/>Fingertip controls include right hand lever control</p>                                                                                         |      |               |
| Grade Pro Controls for Rear Ripper or 1 Rear Auxiliary Function                                                                                                                                                                                                                                                         | 6555 | \$1,636.00    |
| <p>Requires code 1020 OR 1030<br/>Includes Base functions plus 1 rear auxiliary function w/float control - Rear plumbing and hoses for Ripper or auxiliary application.<br/>Fingertip controls include left hand lever control</p>                                                                                      |      |               |
| Grade Pro Controls for Front Scarifier or 1 Front Auxiliary Function                                                                                                                                                                                                                                                    | 6560 | \$1,636.00    |
| <p>Requires code 1020 OR 1030<br/>Include Base functions plus 1 front auxiliary function w/float control - front plumbing and hoses for Scarifier and/or auxiliary application.<br/>Fingertip controls include right hand lever control</p>                                                                             |      |               |
| Grade Pro Controls w/1 Rear Auxiliary Function Control                                                                                                                                                                                                                                                                  | 6570 | \$1,636.00    |
| <p>Requires code 1020 OR 1030<br/>Includes Base functions plus 1 rear auxiliary function w/float control - Rear plumbing and hoses for auxiliary application.<br/>Fingertip controls include right hand lever control</p>                                                                                               |      |               |
| Grade Pro Controls w/1 Front Auxiliary Function AND 2 Rear Auxiliary Functions                                                                                                                                                                                                                                          | 6580 | \$4,902.00    |
| <p>Requires code 1020 OR 1030<br/>Includes Base functions plus 3 auxiliary - 1 front and 2 rear auxiliary functions w/ float control and rear plumbing for Scarifier / Ripper and/or front, mid or rear auxiliary applications.<br/>Fingertip controls include left AND right hand lever control</p>                    |      |               |

|                                                                                                                                                                                                                                                                                                                                                                               |      |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|
| 4 independent proportional rollers are reconfigurable for auxiliary functions.                                                                                                                                                                                                                                                                                                |      |            |
| Grade Pro Controls w/1 Front Auxiliary Function AND 1 Rear Auxiliary Function                                                                                                                                                                                                                                                                                                 | 6585 | \$3,306.00 |
| Requires code 1020 OR 1030<br>Includes Base functions plus 2 auxiliary - 1 front and 1 rear auxiliary functions w/ float control and plumbing for Scarifier / Ripper applications.<br>Fingertip controls include left AND right hand lever control<br>4 independent proportional rollers are reconfigurable for auxiliary functions.                                          |      |            |
| Grade Pro Controls w/1 Front Auxiliary Function AND 3 Rear Auxiliary Functions                                                                                                                                                                                                                                                                                                | 6590 | \$6,538.00 |
| Requires code 1020 OR 1030<br>Includes Base functions plus 4 auxiliary - 1 front and 3 rear auxiliary functions w/ float control and rear plumbing for Scarifier / Ripper and/or front, mid or rear auxiliary applications.<br>Fingertip controls include left AND right hand lever control<br>4 independent proportional rollers are reconfigurable for auxiliary functions. |      |            |
| Grade Pro Controls w/3 Front Auxiliary Function AND 3 Rear Auxiliary Functions                                                                                                                                                                                                                                                                                                | 6595 | \$9,805.00 |
| Requires code 1020 OR 1030<br>Includes Base functions plus 6 auxiliary - 3 front and 3 rear with float control on 4 functions, and front and rear plumbing for 2 functions each.<br>Fingertip controls include left AND right hand lever control<br>4 independent proportional rollers are reconfigurable for auxiliary functions.                                            |      |            |

▼ HYDRAULIC CONTROLS - LEFT SIDE

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

| Description                                                                                                                                                                  | Code | Price         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| <u>Standard Hydraulic Controls</u>                                                                                                                                           |      |               |
| Industry standard manual hydraulic controls. Includes valves, control levers, and plumbing.                                                                                  |      |               |
| Base Hydraulics- 4 Function Controls                                                                                                                                         | 6610 | No Added Cost |
| Requires code 1010.<br>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    |
| Requires code 1010.<br>Base Functions plus 1 function w/float control and lines for Ripper or auxiliary application.<br>For Use with Rear Ripper/Scarifier Combination.      |      |               |
| Base Hydraulics w/2 Auxiliary Function Control                                                                                                                               | 6630 | \$2,901.00    |
| Requires code 1010.<br>Base functions plus 2 functions w/float control and lines for Ripper and/or auxiliary application.<br>For Use with Rear Ripper/Scarifier Combination. |      |               |
|                                                                                                                                                                              | 6640 | \$4,349.00    |



Base Hydraulics w/ 3 Auxiliary Function Control

Requires code 1010.  
Base Functions plus 3 functions-(2) with and (1) w/o Float Control,  
and lines for Ripper and/or auxiliary application.  
For Use with Rear Ripper/Scarifier Combination.

Grade Pro Controls

Grade Pro Controls - Left Side 6650 No Added Cost

Requires code 1020 or code 1030.  
Accompanies GRADE PRO CONTROLS - RIGHT SIDE order code selection.

▼ SHIPPING PREPARATION

| Description                         | Code | Price         |
|-------------------------------------|------|---------------|
| Air Conditioner Refrigerant Charged | 8510 | No Added Cost |

▼ HYDRAULIC OIL

| Description | Code | Price         |
|-------------|------|---------------|
| Hydrau      | 5815 | No Added Cost |

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

Hydrau XR 5830 \$718.00

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 Russia.

▼ 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](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.

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|                                     |      |            |
|-------------------------------------|------|------------|
| 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         |
|---------------------------------------------------|------|---------------|
| Heavy Duty Dual Input Gearbox without Slip Clutch | 2830 | No Added Cost |

Heavy duty dual input gearbox is an industry exclusive and provides significant improvements in circle drive component durability. The heavy duty dual input circle drive gearbox provides comparable circle torque and circle rotate speed as the single input circle drive gearbox. The heavy duty dual input circle drive gearbox will significantly enhance uptime for the customer and is recommended for applications that frequently use the circle rotate function while under heavy load.

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|                                                |      |            |
|------------------------------------------------|------|------------|
| Heavy Duty Dual Input Gearbox with Slip Clutch | 2840 | \$2,704.00 |
|------------------------------------------------|------|------------|

Heavy duty dual input gearbox is an industry exclusive and provides significant improvements in circle drive component durability. The heavy duty dual input circle drive gearbox provides comparable circle torque and circle rotate speed as the single input circle drive gearbox. The heavy duty dual input circle drive gearbox will significantly enhance uptime for the customer and is recommended for applications that frequently use the circle rotate function while under heavy load.

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 27 In. x 1 In. (3.66M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware   | 2030 | (\$639.00)    |
| 13 Ft. x 27 In. x 1 In. (3.96M x 686mm x 25mm) with 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware | 2040 | \$821.00      |
| 14 Ft. x 27 In. x 1 In. (4.27M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware   | 2070 | No Added Cost |
| Requires engine code 1120 or 1140.                                                                                      |      |               |
| 14 Ft. x 27 In. x 1 In. (4.27M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 3/4 in. (19mm) Hardware   | 2080 | \$86.00       |
| Requires engine code 1120 or 1140.                                                                                      |      |               |
| 16 Ft. x 27 In. x 1 In. (4.88M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 3/4 in. (19mm) Hardware   | 2090 | \$1,642.00    |
| Requires code 2840 Heavy Duty Dual Input Gearbox with Slip Clutch.                                                      |      |               |

▼ 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 | No Added Cost |

▼ 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 | No Added Cost |
| 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 | No Added Cost |
| 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 1140.               |      |          |
| Dual 100 Amp Alternators (200 Amp total) | 1240 | \$938.00 |
| Requires engine code 1140.               |      |          |



#### FRONT ATTACHMENTS

| Description                                                                                                                                                                                                                                                                                                      | Code | Price         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| Less Front Attachment                                                                                                                                                                                                                                                                                            | 6750 | No Added Cost |
| Front Push Block                                                                                                                                                                                                                                                                                                 | 6710 | \$4,117.00    |
| 2,950 lbs.                                                                                                                                                                                                                                                                                                       |      |               |
| Front Scarifier                                                                                                                                                                                                                                                                                                  | 6720 | \$8,878.00    |
| Includes Front Hydraulics, plumbing and hoses<br>Scarifier with 2 pitch positions and 9 shank pockets<br>Five 1 x 3 inch Scarifier Shanks w/teeth<br>If additional shanks are desired order (1) each of T6Y5230 Tooth, T114792 Shank and T104223 Retainer for each set.<br>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<br>Mid-Mount Scarifier with Push Block Can not be used with Front Scarifier.<br>Not for use with Front Fenders Code 7810.<br>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.<br>(2) AT367896 Mating Hooks from Parts are available to convert old front attachments to the Bladerson-style lift group.                                                                                                             |      |               |
| 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.

|                                                                  |      |             |
|------------------------------------------------------------------|------|-------------|
| Front-Mounted Dozer Blade, 115 in. x 37.6 in. (2921 mm x 955 mm) | 6790 | \$10,158.00 |
|------------------------------------------------------------------|------|-------------|

Requires hydraulic controls on the right side with a minimum 1 front auxillary function.  
Requires 550/65R25 tires.

#### REAR ATTACHMENTS

| Description                                                       | Code | 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.

|                    |      |               |
|--------------------|------|---------------|
| No Rear Attachment | 6850 | No Added Cost |
|--------------------|------|---------------|

#### TRANSMISSION

| Description            | Code | Price      |
|------------------------|------|------------|
| Autoshift Transmission | 5510 | \$1,842.00 |

|                                          |      |               |
|------------------------------------------|------|---------------|
| Manual Shift Transmission (no Autoshift) | 5520 | No Added Cost |
|------------------------------------------|------|---------------|

#### TRANSMISSION SOLENOID GUARD

| Description                       | Code | Price    |
|-----------------------------------|------|----------|
| Transmission Solenoid Valve Guard | 5710 | \$209.00 |

Required with engine code 1140.  
Required for Russia.  
Recommended for snow plowing applications

#### WHEELS AND TIRES

Tire selection should be made with consideration for the machine weight and all planned attachments (OEM and aftermarket). Each tire has a maximum load rating that is not to be exceeded. Failure to abide by the load ratings of the tires without first consulting the local tire supplier could result in nullification of the tire warranty. Max load rating is shown next to each tire size and type below

Each selection includes a set of 6 tire/rim assemblies.

NOTE: If a No Brand Preference code is selected a 9000 code in the Attachment- 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.

All wheels on 6WD models are 3 piece rims.

**Bias Ply:**

13.0-24 12 ply tire, maximum per tire load 6000 lbs.  
14.0-24 12 ply tire, maximum per tire load 6800 lbs.  
17.5-25 12 ply tire, maximum per tire load 6400 lbs.

13.0-24 16 ply tire, maximum per tire load 7160 lbs.  
14.0-24 16 ply tire, maximum per tire load 8040 lbs.  
17.5-25 16 ply tire, maximum per tire load 7380 lbs.

**Radial:**

14.0R24 radial tire, maximum per tire load 8050 lbs.  
17.5R25 radial tire, maximum per tire load 8048 lbs.  
550/65R25 radial tire maximum per tire load 10,055 lbs.

Radial Tires: Recommended for puncture resistance, fuel economy and increased traction.

| Description                                                                     | Code | Price         |
|---------------------------------------------------------------------------------|------|---------------|
| <a href="#"><u>17.5R25 L2 Single Star Radial Tires With 3 Piece Rims</u></a>    |      |               |
| No Brand Preference                                                             | 4924 | \$17,013.00   |
| Bridgestone VKT                                                                 | 4615 | \$27,135.00   |
| Michelin XTLA                                                                   | 4616 | \$28,135.00   |
| Bridgestone VUT                                                                 | 4617 | \$26,517.00   |
| <a href="#"><u>17.5R25 G3/L3 Single Star Radial Tires With 3 Piece Rims</u></a> |      |               |
| Michelin XHA2                                                                   | 4626 | \$31,636.00   |
| <a href="#"><u>17.5R25 G2/L2 Single Star Radial Tires With 1 Piece Rims</u></a> |      |               |
| Michelin SnoPlus                                                                | 4631 | \$29,927.00   |
| Bridgestone Snow Wedge                                                          | 4632 | \$28,035.00   |
| No Brand Preference                                                             | 4919 | \$26,932.00   |
| <a href="#"><u>17.5R25 G2/L2 Single Star Radial Tires With 3 Piece Rims</u></a> |      |               |
| Michelin SnoPlus                                                                | 4636 | \$33,176.00   |
| Bridgestone Snow Wedge                                                          | 4637 | \$31,282.00   |
| No Brand Preference                                                             | 4920 | \$30,180.00   |
| <a href="#"><u>Less Wheels and Tires</u></a>                                    |      |               |
| Less Tires & Wheels                                                             | 4000 | No Added Cost |
| Not available for Russia.                                                       |      |               |
| <a href="#"><u>550/65R25 Single Star Radial Tires With 3 Piece Rims</u></a>     |      |               |
| Michelin XLD70 Low Profile                                                      | 4810 | \$45,518.00   |
| Not available with 1 Piece Rims.<br>Maximum per tire load 10,055 lbs.           |      |               |

Requires code 7820 No Front Fenders.  
Can not be used with code 9005 Rear Fenders.



## FENDERS

| Description      | Code | Price         |
|------------------|------|---------------|
| Front Fenders    | 7810 | \$2,126.00    |
| No Front Fenders | 7820 | No Added Cost |



## OPERATOR'S MANUAL AND DECALS

| Description                       | Code | Price         |
|-----------------------------------|------|---------------|
| English Labels and Decals         | 2605 | No Added Cost |
| Spanish Labels and Decals         | 2610 | No Added Cost |
| French Labels and Decals          | 2615 | No Added Cost |
| English Manual and No Text Decals | 2635 | No Added Cost |



## GRADE CONTROL FACTORY BASE KITS

The following options are for GP graders only and require code 1020 or 1030. See field attachments for G (code 1010) grade control ready kits

| Description                                                                                                                                                                                             | Code | Price         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| Topcon Grade Control Base Kit for GP Graders                                                                                                                                                            | 2500 | \$5,781.00    |
| Base kit is factory installed and includes additional brackets & wiring harnesses that further enhance and simplify the addition of a Topcon Grade Control System. Requires code 1020 or 1030           |      |               |
| Trimble Grade Control Base Kit for GP Graders                                                                                                                                                           | 2525 | \$5,781.00    |
| 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. Requires code 1020 or 1030 |      |               |
| Leica Grade Control Base Kit for GP Graders                                                                                                                                                             | 2550 | \$5,781.00    |
| 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. Requires code 1020 or 1030   |      |               |
| No Grade Control Base Kit Installed                                                                                                                                                                     | 2575 | No Added Cost |



## GRADE CONTROL SYSTEM

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                         | Code | Price         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| No Topcon 3D GPS Grade Control System installed                                                                                                                                                                                                                                                                                                                                                                                                     | 2775 | No Added Cost |
| SMARTGRADE 3D GNSS MASTLESS GRADE CONTROL                                                                                                                                                                                                                                                                                                                                                                                                           | 2740 | \$98,600.00   |
| Requires code 1020 or 1030.<br>Not compatible with grade control factory base kits. Example: Topcon Ready (2500)<br>Mastless 3D GNSS grade control system fully integrated into the cab and structures. Consists of Topcon UR-1 radio that is capable of doing both UHF and 915 MHz, sensors, in-cab display and Topcon software compatible with Topcon file formats. Includes Automation Suite (Auto-Articulation, Blade Flip and Machine Preset). |      |               |

Optional - *Select as desired*

## ▼ COLD START PACKAGES

| Description                                                                                                                                                                                                                                                                          | Code | Price    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|
| Engine Block Heater                                                                                                                                                                                                                                                                  | 9360 | \$342.00 |
| <p>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).<br/>Includes all weather receptacle conveniently located at ground level<br/>Requires: Code 1610 Hydraulic Pump Disconnect</p> |      |          |
| Ether Starting Aid                                                                                                                                                                                                                                                                   | 9370 | \$469.00 |
| <p>Requires 9.0L engine, codes 1112, 1120 or 1140<br/>Cannot be used with code 9340, Engine Air Intake Manifold Pre-Heater<br/><br/>Ether is not included.</p>                                                                                                                       |      |          |
| Cold Weather Control Valve Covers                                                                                                                                                                                                                                                    | 9620 | \$203.00 |
| <p>Plastic covers that mount below the cab, shielding the control valve from snow and slowing down hydraulic heat loss in winter.<br/>Requires code 1010 standard hydraulics.</p>                                                                                                    |      |          |

## ▼ AIR CLEANER

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

## ▼ SUN PROTECTION

| Description                | Code | Price    |
|----------------------------|------|----------|
| Rear Retractable Sun Shade | 9130 | \$222.00 |

## ▼ MISCELLANEOUS

| Description | Code | Price    |
|-------------|------|----------|
| Decelerator | 9210 | \$298.00 |

## ▼ HYDRAULIC FAN

| Description | Code | Price |
|-------------|------|-------|
|-------------|------|-------|

## ▼ MOLDBOARD AND CIRCLE ADDITIONAL EQUIPMENT

| Description                 | Code | Price    |
|-----------------------------|------|----------|
| Reversible Overlay End Bits | 9450 | \$501.00 |

Not available for Russia.

|                                                 |      |            |
|-------------------------------------------------|------|------------|
| Left Hand Moldboard Extension, 2 foot in length | 9460 | \$2,179.00 |
|-------------------------------------------------|------|------------|

By selecting this option, the 2 foot extension is automatically sized (height, thickness and hardware size) to match the moldboard.  
Requires moldboard code 2060, 2070, 2080 or 2081.  
Not available with 9465 (right hand moldboard extension) on the same machine.  
Not available for Russia.

9465 \$2,179.00



## Right Hand Moldboard Extension, 2 foot in length

By selecting this option, the 2 foot extension is automatically sized (height, thickness and hardware size) to match the moldboard. Requires moldboard code 2060, 2070, 2080 or 2081. Not available with 9460 (left hand moldboard extension) on the same machine.



## LIGHTING

| Description                                                                         | Code | Price    |
|-------------------------------------------------------------------------------------|------|----------|
| Tall ( 26in.(660mm) higher than Standard Frame Lights)<br>Front Snow Plow Light Bar | 9270 | \$349.00 |

Not for use with code 6730 Mid Mount Scarifier.

|                                          |      |          |
|------------------------------------------|------|----------|
| Right Side Engine Compartment Work Light | 9273 | \$231.00 |
| License Plate Bracket and Light          | 9275 | \$158.00 |



## 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 |
|-----------------------------------------------|------|----------|

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

|                                   |      |          |
|-----------------------------------|------|----------|
| Flip Down Cab Beacon Bracket (RH) | 9290 | \$155.00 |
|-----------------------------------|------|----------|

Order codes 9290 and 9295 for dual beacon brackets.

|                                   |      |          |
|-----------------------------------|------|----------|
| Flip Down Cab Beacon Bracket (LH) | 9295 | \$155.00 |
|-----------------------------------|------|----------|

Order codes 9290 and 9295 for dual beacon brackets.



## SCARIFIER AND RIPPER ATTACHMENTS

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

Requires Code 6810 Ripper/Scarifier.

|                                                              |      |            |
|--------------------------------------------------------------|------|------------|
| (2) Extra Ripper Shanks w/Teeth For Rear<br>Ripper/Scarifier | 9440 | \$1,203.00 |
|--------------------------------------------------------------|------|------------|

Requires Code 6810 Ripper/Scarifier.



## FIRE EXTINGUISHER

| Description                                                    | Code | Price    |
|----------------------------------------------------------------|------|----------|
| 5.0 lbs. multi purpose (ABC) Dry Chemical Fire<br>Extinguisher | 9220 | \$128.00 |



## SIGNS

| Description | Code | Price |
|-------------|------|-------|
|-------------|------|-------|

|                                                                                                                                                                                                                                                                                                                           |      |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| Slow Moving Vehicle (SMV) Sign                                                                                                                                                                                                                                                                                            | 9280 | \$85.00       |
| <b>MISCELLANEOUS</b>                                                                                                                                                                                                                                                                                                      |      |               |
| Description                                                                                                                                                                                                                                                                                                               | Code | Price         |
| Secondary Steering                                                                                                                                                                                                                                                                                                        | 9630 | \$4,251.00    |
| <b>WHEELS AND TIRES</b>                                                                                                                                                                                                                                                                                                   |      |               |
| Description                                                                                                                                                                                                                                                                                                               | Code | Price         |
| 17.5R25 G2/L2 1 STAR SNOW NO BRAND PREFERRED WITH 1PC RIM                                                                                                                                                                                                                                                                 | 9719 | No Added Cost |
| 17.5R25 G2/L2 1 STAR SNOW NO BRAND PREFERRED WITH 3PC RIM                                                                                                                                                                                                                                                                 | 9720 | No Added Cost |
| 17.5R25 L2 1 STAR NO BRAND PREFERRED WITH 3PC RIM                                                                                                                                                                                                                                                                         | 9724 | No Added Cost |
| 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.                                                                                                         |      |               |
| <b>FENDERS</b>                                                                                                                                                                                                                                                                                                            |      |               |
| Description                                                                                                                                                                                                                                                                                                               | Code | Price         |
| Rear Wheel Fenders                                                                                                                                                                                                                                                                                                        | 9005 | \$3,470.00    |
| 18.75 in.(476mm) Rear Wheel Fenders<br>Fenders are not for use with 550 tires.<br>Fenders can only be used with chains that are designed for 3" of radial clearance and 1.75" of sidewall clearance.<br>Use of Tire chains permitted in accordance with SAE J683, and requires removal of front mud flap on rear fenders. |      |               |
| <b>OPERATOR'S MANUAL AND DECALS</b>                                                                                                                                                                                                                                                                                       |      |               |
| Description                                                                                                                                                                                                                                                                                                               | Code | Price         |
| Finish Paint Less Decals                                                                                                                                                                                                                                                                                                  | 9330 | No Added Cost |
| For use when custom paint is required<br>Decals packaged with machine.Some decals installed.                                                                                                                                                                                                                              |      |               |
| <b>GRADE CONTROL SYSTEM</b>                                                                                                                                                                                                                                                                                               |      |               |
| Description                                                                                                                                                                                                                                                                                                               | Code | Price         |
| AUTOMATION SUITE                                                                                                                                                                                                                                                                                                          | 9215 | \$4,500.00    |
| Requires code 1020 or 1030.<br>Includes Auto-Articulation, Blade Flip and Machine Preset.                                                                                                                                                                                                                                 |      |               |

|                                                                                                                                                                                                  |      |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|
| BLADE FLIP                                                                                                                                                                                       | 9225 | \$1,500.00 |
| Requires code 1020 or 1030.<br>Enables the operator to automatically circle the blade to a preset angle by double tapping the circle rotate control.                                             |      |            |
| MACHINE PRESET                                                                                                                                                                                   | 9230 | \$1,500.00 |
| Requires code 1020 or 1030.<br>Single button on the SSM activates multiple functions (Return-to-Straight, Auto-shift, lights, etc.). Configurable in monitor                                     |      |            |
| AUTO ARTICULATION                                                                                                                                                                                | 9235 | \$2,000.00 |
| Requires code 1020 or 1030.<br>Automatically articulates the grader when steering the front wheels. Can be turned on and off by the SSM. Can be operated in forward only or forward and reverse. |      |            |

#### 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.johndeereinfo.com](http://www.johndeereinfo.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       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|
| <a href="#">Front Attachments</a>                                                                                                                                                                         |          |             |
| 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,<br>Five 1 x 3 in. scarifier shanks,<br>cylinder and hoses<br>Requires 5th Function Hydraulics.<br>Average installation, 2 hours.           |          |             |
| Mid-Mount Scarifier with Front Push Block                                                                                                                                                                 | AT439818 | \$16,466.00 |
| Requires code 6525 Hydraulics.<br>Mid-Mount Scarifier with Push Block cannot be used with Front Scarifier.<br>Not for use with Front Fenders.<br>Recommend Rear Counterweight for better machine balance. |          |             |

Grade Control

|                                                                                                  |          |             |
|--------------------------------------------------------------------------------------------------|----------|-------------|
| TopCon Grade Control Ready INSTALLED for G models                                                | BYT10506 | \$21,950.00 |
| G (antler rack) machines only (requires code 1010). Includes installation of parallel EH valves. |          |             |
| Trimble Grade Control Ready Installed for G Models                                               | BYT10476 | \$21,950.00 |
| G(Antler Rack) machines only. Includes installation of parallel EH valves.                       |          |             |

Hydraulics

|                                                                                                                                                                                              |          |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| 5 Function valve section and linkage Left Kit                                                                                                                                                | AT458173 | \$931.00   |
| Includes detented float.<br>Installation instructions T213708.                                                                                                                               |          |            |
| 5 Function valve section and linkage Right Kit                                                                                                                                               | AT458171 | \$1,146.00 |
| Includes detented float.<br>Installation instructions T213708.                                                                                                                               |          |            |
| 6 Function valve section and linkage Left Kit                                                                                                                                                | AT458175 | \$896.00   |
| 6 Function valve section and linkage Right Kit                                                                                                                                               | AT458334 | \$1,151.00 |
| Includes detented float.<br>Installation instructions T213708.                                                                                                                               |          |            |
| 7 Function valve section and linkage Left Kit                                                                                                                                                | AT458177 | \$806.00   |
| 7 Function valve section and linkage Right Kit                                                                                                                                               | AT458176 | \$806.00   |
| Grade Pro EH Controls Hydraulics Auxiliary Section                                                                                                                                           | AT458174 | \$1,627.00 |
| For only Grade Pro G-Series Graders.<br>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 with Control Valve Kit                                                                                                                                                   | AT458178 | \$900.00   |
| 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.<br>Installation instructions T213709. |          |            |

Moldboard & Circle

|                                                                                                                                                                                                                                                                                                                                       |          |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| Dual Input Circle Drive Gearbox (with Slip Clutch)                                                                                                                                                                                                                                                                                    | BYT10147 | \$6,493.00 |
| 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 assembly and utilizes a wet clutch system. Cannot be used with code 2220 inserts.<br><br>For use with G-series (code 1010 Standard Hydraulic Controls). |          |            |
| Dual Input Circle Drive Gearbox (with Slip Clutch) for Grade Pro Controls                                                                                                                                                                                                                                                             | BYT10145 | \$6,493.00 |

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 assembly and utilizes a wet clutch system. Cannot be used with code 2220 inserts.

For use with G-series (code 1020 OR 1030 "Grade Pro" Electro Hydraulic Controls).

|                                                                                                          |          |            |
|----------------------------------------------------------------------------------------------------------|----------|------------|
| Moldboard Extension, 27 X 24 X 1 In. Left Hand                                                           | AT307732 | \$2,483.00 |
| 1 in. ( 25mm) Thick<br>Includes 5/8 in. (17mm) Hardware.<br>Cutting Edge is not included.                |          |            |
| Moldboard Extension, 27 X 24 X 1 In. Right Hand                                                          | AT307733 | \$2,483.00 |
| 1 in. ( 25mm) Thick<br>Includes 5/8 in. (17mm) Hardware.<br>Cutting Edge is not included.                |          |            |
| Moldboard Extension, 27 X 24 X 1 In. Right Hand                                                          | AT341307 | \$2,483.00 |
| 1 in. ( 25mm) Thick<br>Includes 3/4 in. (19mm) Hardware.<br>Cutting Edge is not included.                |          |            |
| Moldboard Extension, 27X 24 X 1 In. Left Hand                                                            | AT341306 | \$2,483.00 |
| 1 in. ( 25mm) Thick<br>Includes 3/4 in. (19mm) Hardware.<br>Cutting Edge is not included.                |          |            |
| <u>Operator Environment</u>                                                                              |          |            |
| MP3/iPod/Sat Radio/Cell Phone holder w/ 2 Power Ports and Cargo Net                                      | AT349372 | \$154.00   |
| kit includes a cargo net, bracket/holder, wire harness, 2 power ports, plastic holder, and instructions. |          |            |
| <u>Operator Environment</u>                                                                              |          |            |
| Dual Joystick to Fingertip Control Conversion Kit                                                        | BYT10357 | \$5,333.00 |
| S/N 678818 and after                                                                                     |          |            |
| Fingertip Control to Dual Joystick Conversion Kit                                                        | BYT10358 | \$5,333.00 |
| S/N 678818 and after                                                                                     |          |            |
| GP Armrest Extension Field Kit                                                                           | BYT10366 | \$233.00   |
| Extends GP armrests up 100 MM forward. Widens armrests up to 20 mm each side.                            |          |            |
| Rear Camera Field Kit (FT4)                                                                              | BYT10521 | \$2,501.00 |
| S/N 678818 and after                                                                                     |          |            |
| Rear Camera Field Kit (S2/T3)                                                                            | AT439193 | \$2,501.00 |
| S/N 678817 and before.                                                                                   |          |            |
|                                                                                                          | BYT10520 | \$2,501.00 |

|                                                                                                                                      |          |            |
|--------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| Rear Camera Field Kit (S2/T3)                                                                                                        |          |            |
| S/N 678818 and after                                                                                                                 |          |            |
| Rear Camera Kit (FT4)                                                                                                                | AT430924 | \$2,501.00 |
| S/N 678817 and before.                                                                                                               |          |            |
| Secondary Monitor Mounting Field Kit                                                                                                 | AT445939 | \$105.00   |
| This bracket is required to move the monitor to the RH door post when a customer adds (IGC) Integrated Grade Control.                |          |            |
| S/N 678817 and before.                                                                                                               |          |            |
| Secondary Monitor Mounting Field Kit                                                                                                 | BYT10340 | \$105.00   |
| 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    |
| For G models only, not compatible with GP. Requires code 1010.                                                                       |          |            |
| <u>Overall Vehicle</u>                                                                                                               |          |            |
| Beacon Strobe kit                                                                                                                    | AT408630 | \$231.00   |
| Light Only                                                                                                                           |          |            |
| Front Wheel Fenders                                                                                                                  | AT345815 | \$1,742.00 |
| 18.75 in.(476mm) Front Wheel Fenders<br>Not for use with 550 Tires.<br>Use of Tire chains permitted in accordance with SAE J683.     |          |            |
| S/N 678817 and before.                                                                                                               |          |            |
| Front Wheel Fenders - 4WD                                                                                                            | BYT10416 | \$2,126.00 |
| 18.75 in.(476mm) Front Wheel Fenders<br>Not for use with 550 Tires.<br>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<br>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.

|                                                                                                             |          |             |
|-------------------------------------------------------------------------------------------------------------|----------|-------------|
| Secondary Steering - FT4                                                                                    | AT437699 | \$2,244.00  |
| Average installation, 12.0 hours.                                                                           |          |             |
| S/N 678817 and before.                                                                                      |          |             |
| Secondary Steering - FT4                                                                                    | AT457672 | \$2,244.00  |
| Average installation, 12.0 hours.                                                                           |          |             |
| S/N 678818 and after.                                                                                       |          |             |
| Secondary Steering - S2, T3, iT4                                                                            | AT367585 | \$2,244.00  |
| Average installation, 12.0 hours.                                                                           |          |             |
| S/N 678817 and before.                                                                                      |          |             |
| Secondary Steering - S2, T3, iT4                                                                            | AT438864 | \$2,244.00  |
| Average installation, 12.0 hours.                                                                           |          |             |
| S/N 678818 and after.                                                                                       |          |             |
| Slow Moving Vehicle Emblem for all T3, IT4 and FT4 Machines                                                 | AT370909 | \$99.00     |
| <u>Overall Vehicle</u>                                                                                      |          |             |
| 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.                                                        |          |             |
| <u>Powertrain</u>                                                                                           |          |             |
| Autoshift Transmission Field Kit                                                                            | AT431337 | View Price  |
| Severe Duty Fuel Filter & Water Filtration kit FT4 - 9L                                                     | BYT10514 | \$588.00    |
| Final Tier 4, 9.0L engines only<br>US, Canada, Puerto Rico, Guam                                            |          |             |
| Tandem Axle Grease Bank kit                                                                                 | AT381371 | \$111.00    |
| Kit provides fittings, mount and lines to both tandem drives.<br>For Graders produced before February 2010. |          |             |
| <u>Rear Attachments</u>                                                                                     |          |             |
| Rear Counterweight with Rear Hitch and Pin                                                                  | AT367788 | \$3,926.00  |
| 1600 lbs.(725.7 kg.) Rear Counterweight.<br>Recommend for use with Front / Mid Scarifier.                   |          |             |
| Rear Hitch and Pin                                                                                          | AT339398 | \$605.00    |
| Rear Mounted Ripper/Scarifier Combination                                                                   | BYT10801 | \$10,660.00 |

## Rear Mounted Ripper/Scarifier Combination

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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Rear Scarifier Shanks (9)

AT415551

\$1,179.00

Includes nine (9) each of shanks, retainers, and holders.

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