



Current Date 03Jan2020

210G LC FT4 EXCAVATOR

HYDRAULICS:

Open Center, Load Sensing with Variable Displacement Pumps
 Hydraulic Pilot Controls
 Axial Piston Swing Motor
 Multiple Wet Disk Swing Brake
 Auxiliary Valve Section
 Adjustable Flow for Attachments Through Monitor
 Boom and Arm Reduced Drift Valves
 Power Boost
 Auto Power Lift
 Hydraulic Tank Site Gauge
 5,000 Hour Hydraulic Oil Change Interval
 Hydraulic Oil Sampling Valve
UNDERCARRIAGE:
 Two Speed Propel with Auto-Shift
 Axial Piston Propel Motors
 Propel Motor Shields
 Planetary Final Drives
 Sealed Track Chain
 Front and Center Track Guides
 Provisions for Tie Downs
 X-Frame Car Body
 Hydraulic Track Adjuster
 Eight Lower Rollers
 Two Upper Rollers
 Spring Applied Hydraulic Released Propel Brake
UPPER STRUCTURE:
 Right, Left, and Counterweight Mirrors(3)
 Toolbox
 Vandal Locks for:
 Cab Door
 Service Doors
 Fuel Cap
 Tool Box
 Counterweight, 9,370 lbs. (4,250 kg)

Remote Mounted Engine Oil and Fuel Filters
 Handrails
FRONT ATTACHMENT:
 Oil Impregnated Bushings
 Reinforced Resin Thrust Plates
 Tungsten Carbide Thermal Coating on arm to Bucket Joint
 Centralized Lubrication System
 Dirt Seals on Bucket Pins
 Less Boom
 Less Arm
 Less Bucket
OPERATOR'S STATION:
 Adjustable Control Positions (Levers to Seat, Seat to Pedals)
 4" Arm Rests Attached to Side Consoles
 Pilot Control Shut-Off Lever
 Short Stroke, Low Effort Pilot Levers
 Switches for Auxiliary Hydraulic Control on RH Pilot Lever
 Deluxe Adjustable Cloth Seat with Suspension, Reclining Backrest, Headrest, and Adjustable Lumbar Support
 Multifunction, Color LCD Monitor System with:
 Diagnostic Capability
 Systems Monitoring Capability
 Multiple Language Capability
 Maintenance Tracking
 Engine Coolant Temperature Gauge
 Engine Coolant Temperature Warning Indicator with Audible Alarm

Fuel Gauge with Low Fuel Indicator
 Diesel Exhaust Fluid Gauge
 Work Mode Indicator
 Auto Idle Indicator
 Alternator Charge Indicator
 Air Filter Restriction Indicator
 Fault Code Alert Indicator
 Check Engine Indicator
 Wiper Mode Indicator
 Work Lights On Indicator
 Fuel Rate Display
 Clock
 Hour Meter
 Mode Selection:
 One Work Mode
 Three Power Modes
 Numerous Attachment Modes
 Auto-Climate Control/Air Conditioner, Heater with Pressurizer
 AM-FM Radio
 Rear View Camera
 Control Pattern Changer
 Machine Information Center (MIC)
 Windshield Wiper/Washer with Intermittent Speed
 12V-60W, 5 Amp Cell Phone Power Outlet
 2 In. Retractable Seat Belt
 Tinted Safety Glass
 Hot/Cold Box Compartment
 Horn
 Two Cup Holders
 Interior Light
 Coat Hook
 Floor Mat
 Motion Alarm with Cancel Switch
 Transparent Tinted Roof Hatch with Sunshade
 Four Fluid-Filled Elastic Mounts

Work Lights: One Mounted on Frame One Mounted on Boom Debris Screening Side Panel	Engine Oil Pressure Warning Indicator with Audible Alarm	Easy Access Air Conditioning Filter Value Packages Available
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Required - *You must select one from each category*

▼ BASE MACHINE

F.O.B Kernersville, North Carolina for Complete Machine.
See DEALER-INSTALLED ATTACHMENT section for additional source notes.

Description	Code	Price
210G LC FT4 EXCAVATOR	05R2FF	\$201,505.00

▼ ENGINE

Description	Code	Price
Engine Stage IV Emissions	1095	\$20,587.00

John Deere PowerTech PVS 6.8L
159 Net Rated hp (ISO 9249)
Turbocharger
Charge Air Cooler
Electronic Engine Control Unit
Auto-Idle System
Cool on Demand Hydraulic Driven Fan
Antifreeze Protection to -34F (-37C)
Enclosed Fan Guard
Dual Element Dry-type Air Filter with Restriction Indicator
Full Flow Oil Filter
Double Fuel Filter
Water Separator
Underhood Diesel Particulate Filter with Curved Exhaust
Automatic Belt Tension Device
Glow Plug Start Aid
Heavy Duty, Low Maintenance Batteries
100-Amp Alternator - 24 Volt
500 Hour Engine Oil Change Interval
70% (35 degrees) Off Level Capability
Engine Oil Sampling Valve

▼ OPTIONAL PACKAGE

Description	Code	Price
PACKAGE 2 - Configured with Options for Multiple Applications	080A	(\$1,075.00)

Package Includes:
- 800MM Triple Grouser Track Shoes (3350)
- 5.68M (18 ft. 8 in.) Boom (6835)
- 2.9M (9 ft. 7 in.) Arm (7160)
- Air Suspension Heated Seat (4130)
- Auxiliary Hydraulics w/AFL (7495)
- Chrome Exhaust (9700)
- Engine Block Heater (9015)
- Automatic Reversing Cooling Fan (9115)
- Severe Duty Fuel Filters (9060)
- LED Light Package (9150)

- JDLINK Ultimate Cellular - 5 Years (170C)
- Also choose from codes below:
- Grade Guidance / Grade Ready Options (7901, 7930, 7950, 7951, 7953, 7954)
- Buckets (8001, 8321, 8331, 8341)

PACKAGE 1 - Configured with Minimal Options 080B No Added Cost

- Package Includes:
- 800MM Triple Grouser Track Shoes (3350)
 - 5.68M (18 ft. 8 in.) Boom (6835)
 - 2.9M (9 ft. 7 in.) Arm (7160)
 - Air Suspension Heated Seat (4130)
 - Engine Block Heater (9015)
 - JDLINK Ultimate Cellular - 5 Years (170C)
- Also choose from codes below:
- Grade Guidance / Grade Ready Options (7901, 7930, 7950, 7951, 7953, 7954)
 - Buckets (8001, 8321, 8331, 8341)

STANDARD EXCAVATOR 080Z No Added Cost

Includes Standard Equipment

▼ OPERATOR'S MANUAL AND DECALS

Non-English Operator's Manuals

Translated Customer Delivery Packets can be ordered using the John Deere Technical Information Bookstore at <http://www.johndeereotechinfo.com> at no charge. The Translated Delivery Packets include the Operator Manual, Decal Kit, Warranty Information Booklet, and Uptime Maintenance Planner. Search for and order the Translated Delivery Packets by model and language that meets your customer requirements. A listing of all Translated Delivery Packets available can be found by selecting Translated Delivery Packets from the Manual Type dropdown list. Technical support is available by calling 1-866-213-3373.

Description	Code	Price
English Customer Delivery Packet	1600	No Added Cost

English Decals and Customer Delivery Packet

▼ MACHINE CONNECTIVITY

Machine connectivity functions require cellular coverage. Usage of JDLINK /ZXLINK 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 - 5 Year Subscription	170C	No Added Cost

Includes JDLINK hardware: integrated cab wiring harness, antenna, modular telematics gateway (MTG), and now includes all Ultimate Connectivity features Wireless Data Transfer (WDT) enabling automatic data transfer from TimberMatic and Waratah H16 Measuring Systems to TimberManager and MyJohnDeere, supporting TimberOffice 5 Software. Additionally, Ultimate now includes Limited Internet features supporting optional ForestSight Solutions such as advance mapping systems and Remote Display Access (RDA) features supported by TeamViewer applications. JDLINK utilizes cellular and satellite technology infrastructure that is outside the control of John Deere. Changes to that infrastructure may require customers to purchase compatible JDLINK hardware to

restore functionality. Includes 5 year subscription. Annual subscription renewal required after 5 years for continued functionality. JDLink customer account must be created to access JDLink Ultimate data. Go to www.StellarSupport.com to renew or update JDLink subscriptions. Use of this service, and all rights and obligations of John Deere and the Customer (as identified in the applicable agreement), are governed by the terms and conditions outlined in the applicable Services and Software agreements available at www.JohnDeere.com/Agreements. If these terms and conditions are not agreeable do not proceed and do not use the service.



TRACK SHOES

Description	Code	Price
Long Undercarriage with 600 mm (24 In.) Triple Semi-Grouser Shoes	3300	(\$1,599.00)
Recommended for rocky terrain, hard ground and stumps.		
600 mm (24 In.) Triple Semi-Grouser Shoes	3310	(\$9,057.00)
Short Undercarriage Recommended for rocky terrain, hard ground and stumps.		
700 mm (28 In.) Triple Semi-Grouser Shoes	3325	(\$899.00)
Long Undercarriage Recommended for general conditions and soft terrain.		
Triple Semi-Grouser Shoes	3330	(\$8,332.00)
Recommended for general conditions and soft terrain. Short Undercarriage 700 mm (28 In.)		
Triple Semi-Grouser Shoes	3350	No Added Cost
Long Undercarriage with 800 mm (32 In.) Recommended for extremely soft terrain.		
800 mm (32 In.) Triple Semi-Grouser Shoes	3360	(\$7,455.00)
Short Undercarriage Recommended for extremely soft terrain.		



SEAT

Description	Code	Price
Seat, Standard Mechanical	4125	No Added Cost
Seat, Heated Air-Suspension	4130	\$976.00
Seat, Premium Leather - Thermal Heating and Active Cooling	4135	\$2,731.00
Active heating and cooling Air suspension High seat back 3-way adjustability High visability orange 3 inch seat belt		



BOOM

Description	Code	Price
Less Boom	6801	No Added Cost
<p>Excludes Arm Cylinder, Boom Cylinders and Plumbing on Boom. Includes Pin Connecting Boom to Mainframe and the Two Boom Cylinder Pins. Requires code 7001, "Less Arm". The "Hydraulic Filter Restriction Indicator" in DEALER-INSTALLED ATTACHMENTS is recommended</p>		
One Piece Boom with Arm Cylinder and Plumbing	6835	\$22,824.00
6.4 M (21 Ft. 0 In.) One Piece Boom with Arm Cylinder and Plumbing		



GRADE READY/GRADE GUIDANCE

Description	Code	Price
Less Grade Reference Ready Mounts	7901	No Added Cost
Grade Reference Ready Mounts	7930	\$1,738.00
<p>Includes mounting points on link, arm, boom, upperstructure, and counterweight for grade reference sensors. Sensors, manufacturing specific mounts, wiring harness, and monitor provided by OEM suppliers. 4.0M Arm</p>		
<u>Grade Guidance</u>		
TOPCON 2D Integrated Grade Guidance, Topcon - Less Laser Catcher	7950	\$12,715.00
<p>2D Grade Guidance system fully integrated into the cab and structures. Intuitive functionality with built-in audible tones and light bars, matched with precise real-time bucket cutting edge position information of relative depth and slope, provide clear guidance to target grade. Consists of sensors, controllers and in-cab display for configuring, monitoring, and measuring grade.</p>		
TOPCON 2D Integrated Grade Guidance, Topcon - with Laser	7951	\$14,162.00
<p>2D Grade Guidance system fully integrated into the cab and structures. Intuitive functionality with built-in audible tones and light bars, matched with precise real-time bucket cutting edge position information of relative depth and slope, provide clear guidance to target grade. Consists of laser receiver, sensors, controllers and in-cab display for configuring, monitoring, and measuring grade. Laser receiver enables greater jobsite flexibility utilizing plane for references across larger jobsites. Laser receiver requires offboard laser transmitter for functionality.</p>		
TOPCON 3D Integrated Grade Guidance, Topcon - 450 Mhz Radio	7953	\$52,587.00
<p>3D Grade Guidance system fully integrated into the cab and structures. Intuitive functionality with built-in audible tones and light bars, matched with precise real-time bucket cutting edge position information, including relative depth and slope to 3 dimensional design plans. Consists of UHF transmitter/receiver, sensors, and in-cab display for configuring,</p>		

monitoring, and measuring grade. Includes Topcon 3D-MC² software compatible with Topcon file formats.

TOPCON 3D Integrated Grade Guidance, Topcon - 915 Mhz Radio	7954	\$52,587.00
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3D Grade Guidance system fully integrated into the cab and structures. Intuitive functionality with built-in audible tones and light bars, matched with precise real-time bucket cutting edge position information, including relative depth and slope to 3 dimensional design plans. Consists of 915SS transmitter/receiver, sensors, and in-cab display for configuring, monitoring, and measuring grade. Includes Topcon 3D-MC² software compatible with Topcon file formats.

ARM

Description	Code	Price
Less Arm, Bucket Cylinder, Bucket Linkage and All Attaching Pins and Hoses	7001	No Added Cost

Hydraulic Filter Indicator Recommended. Requires code 8001, Less Buckets.

Arm with Bucket Cylinder and Linkage	7140	\$12,667.00
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2.42 M (7 ft. 1 in.)

Arm with Bucket Cylinder and Linkage	7160	\$13,054.00
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2.91 M (9 ft. 7 in.)

AUXILIARY HYDRAULICS

Description	Code	Price
Less Auxiliary Hydraulics	7401	No Added Cost

Auxiliary High-Flow Hydraulic w/ 2-Way Foot Controller	7420	\$8,704.00
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for 2.91 M Arm
Includes Combination piping

Auxiliary High-Flow Hydraulic w/ 2-Way Foot Controller	7430	\$8,443.00
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Includes Combination piping
for 2.42 M Arm

Auxiliary High-Flow Hydraulic Lines Only	7440	\$6,618.00
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Requires a control circuit such as a foot controller or the standard right-hand control handle with (2) switches. Also order a solenoid kit.
for 2.91 M Arm
Includes Combination piping

Auxiliary High-Flow Hydraulic Lines Only	7450	\$6,357.00
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Includes Combination piping
for 2.42 M Arm
Requires a control circuit such as a foot controller or the standard right-hand control handle with (2) switches. Also order a solenoid kit.

	7490	\$9,465.00
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Auxiliary High-Flow Hydraulic Lines w/ AFL (Pilot Lever Proportional Control)

Includes Combination piping for 2.42 M Arm

Auxiliary High-Flow Hydraulic Lines w/ AFL (Pilot Lever Proportional Control)	7495	\$9,726.00
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Includes Combination piping for 2.91 M Arm

▼ BUCKETS

All Heavy-Duty and Severe-Duty Buckets come standard with TK-Series Fanggs Teeth.

Description	Code	Price
Less Bucket	8001	No Added Cost

Includes bucket mounting pins.

Heavy-Duty Bucket	8321	\$8,312.00
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Includes Five (5) John Deere TK-Series Fanggs Teeth (TK350FD).
36 In. (914 mm) 0.91 Yd3 (0.69 M3)

Heavy-Duty Bucket	8331	\$9,066.00
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Includes Five (5) John Deere TK-Series Fanggs Teeth (TK350FD).

Heavy-Duty Bucket	8341	\$9,781.00
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Includes Six (6) John Deere TK-Series Fanggs Teeth (TK350FD).

Optional - *Select as desired*

▼ HEATER

Description	Code	Price
Engine Block Heater	9015	\$248.00

▼ FILTER

Description	Code	Price
Fuel Filter, Severe-Duty	9060	\$175.00

Engine Air Centrifugal Pre-Cleaner	9070	\$631.00
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Recommended for harsh conditions

▼ ENGINE FAN

Description	Code	Price
Automatic Reversing Cooling Fan	9115	\$1,683.00

Features selectable intervals and manual override.
For use in environments with airborne debris.

	Single Pedal Propel	9180	\$2,259.00
▼	EXHAUST		
	Description	Code	Price
	Chrome Exhaust	9700	\$416.00
▼	UNDERCARRIAGE		
	Description	Code	Price
	Track Frame Undercover	9160	\$643.00
▼	LIGHT PACKAGE		
	Description	Code	Price
	Light Package	9150	\$2,258.00
	- All exterior machine lights are LED - 2 Front Cab lights, 1 Rear Cab light, 1 Toolbox Light, 1 Under Engine Hood Light, 1 Left hand and 1 Right hand Boom Lights		
▼	BOOM CYLINDERS		
	Description	Code	Price
	Boom Cylinders with Plumbing to Main Frame	9010	\$8,138.00
	Requires 6801, Less Boom, and Code 7001, Less Arm.		
▼	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 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
	Buckets, Ditching		
	60 In (1524 mm), 1.55 yd3 (1.18 M3) Ditching Bucket	AT451619	\$4,995.00
	Buckets, Heavy-duty		
	24 In (610 mm), 0.51 yd3 (0.39 M3) Heavy-Duty Bucket	BYT11157	\$4,938.00
	Includes Three (3) John Deere TK-Series Fanggs Teeth (TK350FD).		
	30 In (762 mm), 0.71 yd3 (0.54 M3) Heavy-Duty Bucket	BYT11158	\$5,295.00
	Includes Four (4) John Deere TK-Series Fanggs Teeth (TK350FD)		
	36 In (914 mm), 0.91 yd3 (0.69 M3) Heavy-Duty Bucket	BYT11159	\$5,775.00
	Includes Five (5) John Deere TK-Series Fanggs Teeth (TK350FD)		

42 In (1067 mm), 1.11 yd3 (0.85 M3) Heavy-Duty Bucket BYT111160 \$6,166.00

Includes Five (5) John Deere TK-Series Fanggs Teeth (TK350FD).

48 In (1219 mm), 1.31 yd3 (1.00 M3) Heavy-Duty Bucket BYT111161 \$6,673.00

Includes Six (6) John Deere TK-Series Fanggs Teeth (TK350FD)

Buckets, Side Cutters

Auxiliary Cutting Edge for Ditching Bucket AT454299 \$700.00

Edge Protector Kit AT342511 \$618.00

Side-Cutter Kit, 3 inch AT342512 \$641.00

Side-Cutter Kit, 6 inch AT342513 \$641.00

Guards

Cab FOPS Guard AT390802 \$3,073.00

FOPS Level II, ISO 10262 Certified

Hydraulic Couplers

Hydraulic Quick Coupler AT452018 \$8,666.00

Installation Charge for Hydraulic Coupler AT345608 \$1,387.00

Installation Charge Order also requires attachment part number, SHIP-TO address for Paladin Custom Works, AND reference related machine order number.

The related machine order must reference the attachment order number. Order code available only for Kernersville, North Carolina installations.

Hydraulic Thumb Kits

Deere/Hitachi Hydraulic Thumb Installation AT339844 \$1,967.00

Labor for installation of Deere/Hitachi thumb at Paladin Customworks Kernersville, NC.

Hydraulic Thumb Kit, Direct AT379648 \$9,342.00

Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.

Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.

Hydraulic Thumb Kit, Direct for Couplers AT379649 \$9,342.00

Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.

Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.

Hydraulic Thumb Kit, Progressive AT379650 \$11,122.00

Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.

Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.

Only available for the following arm lengths:

180 3.2M (10'6")

210 2.91M (9'7")

245 2.91M (9'7")

Hydraulic Thumb Kit, Progressive for Couplers	AT379651	\$11,122.00
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Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.

Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.

Only available for the following arm lengths:

180 3.2M (10'6")

210 2.91M (9'7")

245 2.91M (9'7")

Hydraulics

Auxiliary High-Flow Hydraulic Lines for 210G	AT390758	\$5,351.00
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Boom Cylinder Anti-Drift Valve with Plumbing and Hardware	AT340288	\$3,105.00
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Control Handle for Auxiliary Hydraulics, Left-Hand	AT327652	\$525.00
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Requires control solenoid for either 1-way or 2-way auxiliary hydraulics. Recommended for use with auxiliary hydraulic lines.

Control Solenoid for 1-way Auxiliary Hydraulics with Foot Switch	AT446155	\$950.00
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Does not use the monitor for flow control.
Does not require solenoids for auxiliary hydraulics.
Includes foot switch, solenoid, wiring, and hoses.

Control Solenoids for 2-Way Auxiliary Hydraulics	AT445467	\$800.00
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Monitor can be used to control hydraulic flow.
Can be used with either right-hand or left-hand control handle.

Foot Control, Two-Way Hydraulics	AT390724	\$2,009.00
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Hydraulic Filter Restriction Indicator Kit	AT445803	\$789.00
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Two-Pump Combined Flow Piping	AT327836	\$1,674.00
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For attachments that require additional hydraulic flow.

Operator Environment

Exterior Work Lights Package	AT396663	\$741.00
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Additional 2 Cab lights, with 1 Right hand Boom Light.

Full Length Front Guards	BYT11141	\$1,532.00
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Stereo adapter for phone or music device.	ETN93549	\$224.00
Applicable for machines before SN 1FF210GXJJF526134		
<u>Overall Vehicle</u>		
Vandal Covers	BYT11005	\$3,023.00
After Serial # 26138		
<u>Powertrain & Cooling</u>		
Automatic Reversing Cooling Fan	AT453858	\$2,030.00
Features selectable intervals and manual override. For use in environments with airborne debris. Installation time 2 hours.		

▼ REFERRAL ATTACHMENTS

Description	Code	Price
<u>G.r.mfg.</u>		
G.R. Manufacturing, Inc. * Kits listed below must be ordered through John Deere. * F.O.B. Trussville, Alabama * All kits include installation instructions * All warranty, repair parts, technical support and assistance, and sales support and assistance will be the responsibility of G.R. Manufacturing, Inc., and will be handled directly between the Dealer and G.R. Manufacturing, Inc. G.R. Manufacturing, Inc. 4800 Commerce Drive Trussville, Alabama 35173 Phone: (800)841-8001 Fax: (205)655-8005		
Counterweight, Bottom Mount, 2100 lbs.	AT430880	\$5,753.00
Counterweights are painted yellow		
Front Window Guard, Polycarbonate	ETN210311	\$2,570.00
Rear Work Lights Package	AT430784	\$1,271.00
Slant Top Rub Rails	AT430875	\$1,858.00