



Current Date 03Jan2020

180G 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
 Seven Lower Rollers
 Two Upper Rollers
 Spring Applied Hydraulic Released Propel Brake
UPPER STRUCTURE:
 Right, Left Mirrors(2)
 Toolbox
 Vandal Locks for:
 Cab Door
 Service Doors
 Fuel Cap
 Tool Box
 Counterweight, 8,598 lbs. (3,900 kg)
 Work Lights:

Remote Mounted Engine Oil and Fuel Filters
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, 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
 Engine Oil Pressure 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
 Control Pattern Changer
 Rear View Camera
 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

One Mounted on Frame
 One Mounted on Boom
 Debris Screening Side Panel

Easy Access Air Conditioning
 Filter

Required - *You must select one from each category*



BASE MACHINE

Description	Code	Price
180G LC FT4 EXCAVATOR	1411FF	\$192,917.00



ENGINE

Description	Code	Price
Engine Stage IV Emissions	1095	\$19,566.00

John Deere PowerTech PWS 4.5L
 121 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
 Automatic Belt Tension Device
 Glow Plug Start Aid
 Heavy Duty, Low Maintenance Batteries (180 Minute Reserve)
 100-Amp Alternator - 24 Volt
 500 Hour Engine Oil Change Interval
 Engine Oil Sampling Valve



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.johndeeretechno.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
600 mm (24 In.) Triple Semi-Grouser Shoes	3310	No Added Cost

Recommended for rocky terrain, hard ground and stumps.

Triple Semi-Grouser Shoes	3330	\$1,211.00
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Recommended for general conditions and soft terrain.
 700 mm (28 In.)

800 mm (32 In.) Triple Semi-Grouser Shoes	3360	\$1,719.00
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Recommended for extremely soft terrain.



SEAT

Description	Code	Price
Seat, Standard Mechanical	4125	No Added Cost

Seat, Heated Air-Suspension	4130	\$976.00
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Seat, Premium Leather - Thermal Heating and Active Cooling	4135	\$2,731.00
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Active heating and cooling
 Air suspension
 High seat back
 3-way adjustability
 High visibility orange 3 inch seat belt



BOOM

Description	Code	Price
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Less Boom 6801 No Added Cost

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

One Piece Boom with Arm Cylinder and Plumbing 6835 \$17,204.00



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 7115 \$11,798.00

2.7 M (8 ft. 10 in.)

Arm with Bucket Cylinder and Linkage 7180 \$13,379.00

3.2 M (10 ft. 6 in.)



AUXILIARY HYDRAULICS

Description	Code	Price
Less Auxiliary Hydraulics	7401	No Added Cost

Auxiliary High-Flow Hydraulic w/ 2-Way Foot Controller 7420 \$8,060.00

for 2.7 M Arm (8 ft. 9 in.)
 Includes Combination piping

Auxiliary High-Flow Hydraulic w/ 2-Way Foot Controller 7430 \$8,234.00

for 3.2 M Arm
 Includes Combination piping

Auxiliary High-Flow Hydraulic Lines Only 7440 \$5,974.00

for 2.7 M Arm
 Includes Combination piping
 Requires a control circuit such as a foot controller or the standard right-hand control handle with (2) switches. Also order a solenoid kit.

Auxiliary High-Flow Hydraulic Lines Only 7450 \$6,148.00

for 3.2 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.
 Includes Combination piping

Auxiliary High-Flow Hydraulic Lines w/ AFL (Pilot Lever Proportional Control) 7490 \$9,083.00

Includes Combination piping
 for 2.7 M Arm

Auxiliary High-Flow Hydraulic Lines w/ AFL (Pilot Lever Proportional Control)	7495	\$9,257.00
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Includes Combination piping
 for 3.2 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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42 In. (1067 mm) 1.11 Yd3 (0.85 M3)
 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).
 48 In. (1219 mm) 1.31 Yd3 (1.00 M3)

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 FAN

Description	Code	Price
Automatic Reversing Cooling Fan	9115	\$1,656.00

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

Single Pedal Propel	9180	\$2,259.00
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▼ EXHAUST

Description	Code	Price
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Chrome Exhaust	9700	\$408.00
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▼ SHIPPING PREPARATION

Description	Code	Price
Special Export Preparation-- Do not install front for shipping	9803	No Added Cost
For Export Containerization		

▼ 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	\$7,187.00

▼ 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, 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	BYT11160	\$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	BYT11161	\$6,673.00
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Includes Six (6) John Deere TK-Series Fanggs Teeth (TK350FD)

Buckets, Side Cutters

Edge Protector Kit	AT342511	\$618.00
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Side-Cutter Kit, 3 inch	AT342512	\$641.00
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Side-Cutter Kit, 6 inch	AT342513	\$641.00
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Guards

Cab FOPS Guard	AT390802	\$3,073.00
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FOPS Level II, ISO 10262 Certified

Hydraulic Couplers

Hydraulic Quick Coupler	AT452018	\$8,666.00
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Installation Charge for Hydraulic Coupler	AT345608	\$1,387.00
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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
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Labor for installation of Deere/Hitachi thumb at Paladin Customworks Kernersville, NC.

Hydraulic Thumb Kit, Direct	AT379648	\$9,342.00
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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.

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

Hydraulic Thumb Kit, Progressive	AT379650	\$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")

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

Anti-Drift Valve with Plumbing and Hardware, Arm Cylinder	AT432895	\$3,100.00
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Auxiliary High-Flow Hydraulic Lines for 180G	AT415232	\$4,967.00
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Boom Cylinder Anti-Drift Valve with Plumbing and Hardware	AT432894	\$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	AT446154	\$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, relays, wiring, and hoses.

Control Solenoids for 2-Way Auxiliary Hydraulics	AT445459	\$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	AT390739	\$2,009.00
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Hydraulic Filter Restriction Indicator Kit	AT445803	\$789.00
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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
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Applicable for machines before SN 1FF180GXAJF020900

Overall Vehicle

Vandal Covers	BYT11005	\$3,023.00
After Serial # 20900		

▼ REFERRAL ATTACHMENTS

Description	Code	Price
G.r.mfg. 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, 1500 lbs.	AT430878	\$4,515.00
Counterweights are painted yellow		
Front Window Guard, Polycarbonate	ETN210311	\$2,570.00
Rear Work Lights Package	AT430784	\$1,271.00
Slant Top Rub Rails	AT430874	\$1,765.00