



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,

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

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.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 /ZXLlink 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](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.

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

All attachments are sold as a quantity of one.

Description	Code	Price
<a href="#">Buckets, Heavy-duty</a>		
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	BYT111161	\$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
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After Serial # 20900
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## REFERRAL ATTACHMENTS

Description	Code	Price
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[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
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Counterweights are painted yellow
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Front Window Guard, Polycarbonate	ETN210311	\$2,570.00
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Rear Work Lights Package	AT430784	\$1,271.00
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Slant Top Rub Rails	AT430874	\$1,765.00
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