



Current Date 03Jan2020

## 250G 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  
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  
Nine Lower Rollers  
Two Upper Rollers  
Spring Applied Hydraulic  
Released Propel Brake  
UPPER STRUCTURE:  
Right, Left and  
Counterweight Mirrors  
Toolbox  
Vandal Locks for:  
Cab Door  
Service Doors  
Tool Box  
Counterweight, 11,270 lbs.  
(5,112 kg)  
Work Lights:  
One Mounted on Frame

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



One Mounted on Boom	Engine Oil Pressure Warning	Easy Access Air Conditioning
Debris Screening Side Panel	Indicator with Audible Alarm	Filter

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
250G LC FT4 EXCAVATOR	OBG0FF	\$236,694.00

▼ ENGINE

Description	Code	Price
Engine Stage IV Emissions	1095	\$26,796.00

John Deere PowerTech PVS 6.8L  
188 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

▼ 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.johndeereinfo.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](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	(\$1,885.00)
Recommended for rocky terrain, hard ground and stumps.		
700 mm (28 In.) Triple Semi-Grouser Shoes	3325	(\$1,178.00)
Recommended for general conditions and soft terrain.		
Triple Semi-Grouser Shoes	3350	No Added Cost
800 mm (32 In.) 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 visibility orange 3 inch seat belt		



▼	<b>BOOM</b>  <b>Description</b> Less Boom  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	<b>Code</b> 6801         6835	<b>Price</b> No Added Cost         \$24,636.00
▼	<b>GRADE READY/GRADE GUIDANCE</b>		
	<b>Description</b> Less Grade Reference Ready Mounts	<b>Code</b> 7901	<b>Price</b> No Added Cost
	Grade Reference Ready Mounts  2.9M Arm 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.	7920         7930	\$1,738.00         \$1,738.00
	Grade Reference Ready Mounts  3.6M Arm 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.		
▼	<b>ARM</b>  <b>Description</b> Less Arm, Bucket Cylinder, Bucket Linkage and All Attaching Pins and Hoses  Hydraulic Filter Indicator Recommended. Requires code 8001, Less Buckets.	<b>Code</b> 7001         7160         7180	<b>Price</b> No Added Cost         \$13,547.00         \$15,917.00
	Arm with Bucket Cylinder and Linkage  2.96 M (9 ft. 9 in.)		
	Arm with Bucket Cylinder and Linkage  3.61 M (11 ft. 10 in.) Not recommended for impact (hammer) or high density material applications.		
▼	<b>AUXILIARY HYDRAULICS</b>		
	<b>Description</b> Less Auxiliary Hydraulics	<b>Code</b> 7401         7420	<b>Price</b> No Added Cost         \$9,153.00



### Auxiliary High-Flow Hydraulic w/ 2-Way Foot Controller

Includes Combination piping  
for 2.96 M Arm (9 ft. 9 in.)

Auxiliary High-Flow Hydraulic w/ 2-Way Foot Controller	7430	\$9,469.00
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Includes Combination piping  
for 3.61 M Arm

Auxiliary High-Flow Hydraulic Lines Only	7440	\$7,046.00
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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 2.96 M Arm  
Includes Combination piping

Auxiliary High-Flow Hydraulic Lines Only	7450	\$7,362.00
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for 3.61 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	\$10,186.00
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for 2.96 M Arm  
Includes Combination piping

Auxiliary High-Flow Hydraulic Lines w/ AFL (Pilot Lever Proportional Control)	7495	\$10,502.00
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for 3.61 M Arm  
Includes Combination piping

### 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	8320	\$9,324.00
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Includes Four (4) John Deere TK-Series Fanggs Teeth (TK400FD).  
36 In. (914 mm), 0.97 Yd3 (0.74 M3)

Heavy-Duty Bucket	8330	\$9,995.00
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Includes Five (5) John Deere TK-Series Fanggs Teeth (TK400FD).  
42 In. (1067 mm), 1.19 Yd3 (0.91 M3)

Heavy-Duty Bucket	8340	\$10,664.00
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Includes Six (6) John Deere TK-Series Fanggs Teeth (TK400FD).  
48 In. (1219 mm), 1.39 Yd3 (1.06 M3) Heavy-Duty Bucket



Heavy-Duty Bucket	8350	\$11,231.00
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54 In. (1372 mm), 1.61 Yd3 (1.23 M3) Heavy-Duty Bucket  
Includes Six (6) John Deere TK-Series Fanggs Teeth (TK400FD).

Optional - *Select as desired*

HEATER

Description

Engine Block Heater

Code

9015

Price

\$248.00

FILTER

Description

Fuel Filter, Severe-Duty

Code

9060

Price

\$175.00

Engine Air Centrifugal Pre-Cleaner

9070

\$631.00

Recommended for harsh conditions

ENGINE FAN

Description

Automatic Reversing Cooling Fan

Code

9115

Price

\$1,726.00

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

Single Pedal Propel

9180

\$2,259.00

EXHAUST

Description

Chrome Exhaust

Code

9700

Price

\$429.00

SHIPPING PREPARATION

Description

Special Export Preparation-- Do not install front for shipping

Code

9803

Price

No Added Cost

For Export Containerization

UNDERCARRIAGE

Description

Track Frame Undercover

Code

9160

Price

\$643.00

LIGHT PACKAGE

Description

Light Package

Code

9150

Price

\$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	\$7,071.00

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.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>		

36 In (914 mm), 0.97 yd3 (0.74 M3) Heavy-Duty Bucket	BYT11162	\$6,672.00
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Includes Four (4) John Deere TK-Series Fanggs Teeth (TK400FD)

42 In (1067 mm), 1.19 yd3 (0.91 M3) Heavy-Duty Bucket	BYT11163	\$7,339.00
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Includes Five (5) John Deere TK-Series Fanggs Teeth (TK400FD).

48 In (1219 mm), 1.39 yd3 (1.06 M3) Heavy-Duty Bucket	BYT11164	\$7,899.00
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Includes Six (6) John Deere TK-Series Fanggs Teeth (TK400FD)

54 In (1372 mm), 1.61 yd3 (1.23 M3) Heavy-Duty Bucket	BYT11165	\$8,223.00
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Includes Six (6) John Deere TK-Series Fanggs Teeth (TK400FD)

60IN (1525MM) 2.09YD (1.60 M3) HD Bucket Includes Seven (7) TK400 Series Teeth.	BYT11166	\$8,799.00
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### [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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### [Cold Start](#)

Engine Coolant Heater, 110 Volt, (1000 Watt)	AT390826	\$311.00
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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	AT452019	\$9,454.00
Installation Charge for Hydraulic Coupler	AT345608	\$1,387.00
<p>Installation Charge Order also requires attachment part number, SHIP-TO address for Paladin Custom Works, AND reference related machine order number.</p> <p>The related machine order must reference the attachment order number.</p> <p>Order code available only for Kernersville, North Carolina installations.</p>		
<u>Hydraulic Thumb Kits</u>		
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	AT379652	\$9,894.00
<p>Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.</p> <p>Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.</p>		
Hydraulic Thumb Kit, Direct for Couplers	AT379653	\$9,894.00
<p>Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.</p> <p>Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.</p>		
Hydraulic Thumb Kit, Progressive	AT379654	\$11,639.00
<p>Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.</p> <p>Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.</p> <p>Only available for the following arm lengths: 250 3.61M (11'10")</p>		
Hydraulic Thumb Kit, Progressive for Couplers	AT379655	\$11,639.00
<p>Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.</p> <p>Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.</p> <p>Only available for the following arm lengths: 250 3.61M (11'10")</p>		
<u>Hydraulics</u>		
Anti-Drift BOOM kit	AT451312	\$3,533.00
Anti-Drift Valve with Plumbing and Hardware, Arm Cylinder	AT327659	\$3,100.00



For ZX350LC-3,ZX350LC-5,ZX380LC-5N machines also order the following parts:

AT332580 Hydraulic Hose

M44269 Spacer

T153064 Clamp

14M7415 Nut M12

24M7404 Washer (2 used)

4053698 Clamp

For 350DLC,350GLC,380GLC machines also order the following parts:

AT332580 Hydraulic Hose

M44269 Spacer

T153064 Clamp

14M7415 Nut M12

24M7404 Washer (2 used)

4053698 Clamp

Auxiliary High-Flow Hydraulic Lines for 250G	AT390763	\$6,156.00
Boom Cylinder Anti-Drift Valve with Plumbing and Hardware	AT300471	\$3,329.00
<p>For use on S/N 1FF250GXAFF609644 and below.            For customers who require reduced function drift during craning applications.            Includes reduced drift valves for head-end of the boom cylinders.            Arm anti-drift valve recommended for use with boom anti-drift valves.            Installation Instructions T203622.</p>		
Control Handle for Auxiliary Hydraulics, Left-Hand	AT327652	\$525.00
<p>Requires control solenoid for either 1-way or 2-way auxiliary hydraulics.            Recommended for use with auxiliary hydraulic lines.</p>		
Control Solenoid for 1-way Auxiliary Hydraulics with Foot Switch	AT446155	\$950.00
<p>Does not use the monitor for flow control.            Does not require solenoids for auxiliary hydraulics.            Includes foot switch, solenoid, wiring, and hoses.</p>		
Control Solenoids for 2-Way Auxiliary Hydraulics	AT445467	\$800.00
<p>Monitor can be used to control hydraulic flow.            Can be used with either right-hand or left-hand control handle.</p>		
Hydraulic Filter Restriction Indicator Kit	AT445803	\$789.00
Two-Pump Combined Flow Piping	AT327836	\$1,674.00
<p>For attachments that require additional hydraulic flow.</p>		
<b>Operator Environment</b>		
Exterior Work Lights Package	AT396663	\$741.00
<p>Additional 2 Cab lights, with 1 Right hand Boom Light.</p>		
Full Length Front Guards	BYT11141	\$1,532.00
Stereo adapter for phone or music device.	ETN93549	\$224.00
<p>Applicable for machines before SN 1FF250GXTJF610768</p>		



Overall Vehicle

Vandal Covers	BYT11005	\$3,023.00
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After Serial # 10769		
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Powertrain & Cooling

Automatic Reversing Cooling Fan	AT453858	\$2,030.00
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Features selectable intervals and manual override.  
For use in environments with airborne debris.  
Installation time 2 hours.



## 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

Auxiliary Counterweight, 2250 lbs.	BYT11003	\$6,569.00
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Front Window Guard, Polycarbonate	ETN210311	\$2,570.00
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Guard, Slant Top Rub Rails	AT401260	\$1,946.00
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Rear Work Lights Package	AT430784	\$1,271.00
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