



**JOHN DEERE**

Current Date 03May2018

## 470G 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  
Mechanical Pattern changer  
Hydraulic Tank Site Gauge  
4,000 Hour Hydraulic Oil  
Change Interval

### UNDERCARRIAGE:

Two Speed Propel with Auto-  
Shift  
Axial Piston Propel Motors  
Propel Motor Shields  
Planetary Final Drives  
Sealed and Lubricated Track  
Chain  
Front and Center Track  
Guides  
X-Frame Car Body  
Hydraulic Track Adjuster  
Nine Lower Rollers  
Three Upper Rollers  
Spring Applied Hydraulic  
Released Propel Brake

### UPPER STRUCTURE:

Right and Left Mirrors  
Toolbox  
Vandal Locks for:  
Cab Door  
Service Doors  
Fuel Cap  
Tool Box  
Work Lights:  
One Mounted on Frame  
Two Mounted on Boom

Two Mounted on Cab  
Debris Screen in Side Panel  
Remote Mounted Engine Oil  
Filter

### FRONT ATTACHMENT:

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  
Deluxe Adjustable, Heated  
Cloth Seat with Air  
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

Work Mode Indicator  
Auto Idle Indicator  
Auto Shut Down 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  
Boom Mode  
Numerous Attachment  
Modes  
Auto-Climate Control/Air  
Conditioner, Heater with  
Pressurizer  
AM-FM Radio  
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  
Easy Access Air Conditioning  
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          |
|-----------------------|--------|----------------|
| 470G LC FT4 EXCAVATOR | 02Y1FF | \$481,003.00 ✓ |

## ENGINE

| Description               | Code | Price         |
|---------------------------|------|---------------|
| Engine Stage IV Emissions | 1095 | \$14,852.00 ✓ |

John Deere PowerTech PSS 13.5L  
367 Net Rated hp (ISO 9249)  
Turbocharger  
Charge Air Cooler  
Auto-Idle System  
Cool-on-Demand Hydraulic-Driven Fan  
Hydraulic Fan Reverser  
Antifreeze Protection to -34F (-37C)  
Enclosed Fan Guard  
Dual Element Dry-type Air Filter with Restriction Indicator  
Full Flow Oil Filter  
Fuel Filters with Water Separators  
Heavy Duty, Low Maintenance Batteries  
100-Amp Alternator - 24 Volt  
500 Hour Engine Oil Change Interval

## 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 Charge |

## 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 Cellular - 5 Years | 170C | In Base Price |

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.

#### TRACK SHOES

| Description   | Code | Price         |
|---|------|---------------|
| Triple Semi-Grouser Shoes   | 3350 | In Base Price |
| 900 mm (36 In.)<br>Recommended for general conditions and soft terrain. |      |               |

#### BOOM

| Description | Code | Price         |
|-------------|------|---------------|
| Less Boom   | 6801 | In Base Price |

Includes Boom Cylinder.  
Includes Pin Connecting Boom to Mainframe and the Two Boom Cylinder Pins.  
The "Hydraulic Filter Restriction Indicator" in DEALER-INSTALLED ATTACHMENTS is recommended.

|  |      |             |
|--|------|-------------|
| Mass Excavating (ME) Boom with Arm Cylinder and Plumbing | 6840 | \$72,377.00 |
|--|------|-------------|

6.3M (20 ft 8 in) One Piece  
Requires code 7275, Mass-Excavating (ME) Arm.  
Check availability, may require long lead time.

|  |      |               |
|--|------|---------------|
| HD Boom with Arm Cylinder and Plumbing | 6940 | \$73,754.00 ✓ |
|--|------|---------------|

7.0 M (23 ft.)  
Similar to the Heavy-Duty Boom on Previous Series

#### GRADE READY REFERENCE MOUNTS

| Description                       | Code | Price         |
|-----------------------------------|------|---------------|
| Less Grade Ready Reference Mounts | 7901 | In Base Price |
| Grade Reference Ready Mounts      | 7920 | \$1,700.00    |

3.4M  
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.

|  |      |            |
|--|------|------------|
|  | 7930 | \$1,700.00 |
|--|------|------------|

## Grade Reference Ready Mounts

## 3.9M

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.

## ARM

**Description**

Less Arm, Bucket Cylinder, Bucket Linkage and All Attaching Pins and Hoses

**Code**

7001

**Price**

In Base Price

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

Arm with Bucket Cylinder and Linkage

7180

\$35,377.00

## 3.4 M (11 ft. 2 in.)

Recommended for hammer or high density material applications.

Mass Excavating (ME) Arm with Bucket Cylinder and Linkage

7275

\$40,462.00

## 2.9 M (9 ft. 6 in.)

Compatible with code 6940, HD Boom with Arm Cylinder and Plumbing.

Arm Assembly w/ Bucket Cylinder & Linkage

7250

\$35,630.00 ✓

## 3.9 M (12 ft. 10 in.)

Arm with Bucket Cylinder and Linkage

7285

\$35,865.00

## 4.9 M (16 ft. 1 in.)

Requires Long Lead Time, check with your dealer for availability. Will not accept 450 buckets due to the pin diameters. Use 350-size buckets.

## AUXILIARY HYDRAULICS

**Description**

Less Auxiliary Hydraulics

**Code**

7401

**Price**

In Base Price

Auxiliary High-Flow Hydraulic Lines Only

7450

\$14,309.00

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 for 3.4 M Arm

Auxiliary High-Flow Hydraulic Lines Only

7460

\$14,309.00

Includes Combination piping

for 3.9 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.

## MAIN FRAME

**Description****Code****Price**

|                                      |      |               |
|--------------------------------------|------|---------------|
| Modified Mainframe and Counterweight | 2625 | In Base Price |
|--------------------------------------|------|---------------|

Will accept counterweight removal device.

|  |      |            |
|--|------|------------|
| Modified Mainframe and Counterweight with Counterweight Removal Device | 2650 | \$9,113.00 |
|--|------|------------|

▼ BUCKETS

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

| Description | Code | Price         |
|-------------|------|---------------|
| Less Bucket | 8001 | In Base Price |

Includes bucket mounting pins.

|                                  |      |             |
|----------------------------------|------|-------------|
| Heavy-Duty, High-Capacity Bucket | 8360 | \$20,960.00 |
|----------------------------------|------|-------------|

60 In. (1525 mm), 3.17 Yd3 (2.42 M3)  
Includes Six (6) John Deere TK-Series Fanggs Teeth (TK550FD).

|                                  |      |               |
|----------------------------------|------|---------------|
| Heavy-Duty, High-Capacity Bucket | 8380 | \$22,595.00 ✓ |
|----------------------------------|------|---------------|

72 In. (1830MM) 3.97 Yd3 (3.04 M3)  
Includes Six (7) John Deere TK-Series Fanggs Teeth (TK550FD).

**Optional - Select as desired**

▼ EXHAUST

| Description    | Code | Price    |
|----------------|------|----------|
| Chrome Exhaust | 9700 | \$462.00 |

▼ HEATER

| Description         | Code | Price    |
|---------------------|------|----------|
| Engine Block Heater | 9015 | \$243.00 |

▼ ENGINE FAN

| Description         | Code | Price      |
|---------------------|------|------------|
| Single Pedal Propel | 9180 | \$2,209.00 |

▼ FILTER

| Description              | Code | Price    |
|--------------------------|------|----------|
| Fuel Filter, Severe-Duty | 9060 | \$172.00 |

|                                    |      |          |
|------------------------------------|------|----------|
| Engine Air Centrifugal Pre-Cleaner | 9070 | \$617.00 |
|------------------------------------|------|----------|

Recommended for harsh conditions

▼ ETHER STARTING AID

| Description     | Code | Price    |
|-----------------|------|----------|
| Ether Start Aid | 9030 | \$340.00 |

▼ UNDERCARRIAGE

| Description            | Code | Price    |
|------------------------|------|----------|
| Track Frame Undercover | 9160 | \$629.00 |

▼ 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.johndeere.com/techinfo](http://www.johndeere.com/techinfo) 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**

Buckets come standard with horizontal wear strips. Vertical wear strips in lieu of horizontal are available at no additional charge. The switch to vertical wear strips MUST be indicated in the comments section of your order.

|  |          |             |
|--|----------|-------------|
| 42 In (1067 mm), 1.74 yd <sup>3</sup> (1.33 M <sup>3</sup> ) Heavy-Duty Bucket | AT395868 | \$10,519.00 |
|--|----------|-------------|

Includes Four (4) John Deere TK-Series Fanggs (TK550)

|  |          |             |
|--|----------|-------------|
| 48 In (1219 mm), 2.07 yd <sup>3</sup> (1.58 M <sup>3</sup> ) Heavy-Duty Bucket | AT395869 | \$11,371.00 |
|--|----------|-------------|

Includes Five (5) John Deere TK-Series Fanggs (TK550)

|  |          |             |
|--|----------|-------------|
| 54 In (1372 mm), 2.41 yd <sup>3</sup> (1.84 M <sup>3</sup> ) Heavy-Duty Bucket | AT395870 | \$12,092.00 |
|--|----------|-------------|

Includes Five (5) John Deere TK-Series Fanggs (TK550)

|  |          |             |
|--|----------|-------------|
| 60 In (1524 mm), 2.75 yd <sup>3</sup> (2.10 M <sup>3</sup> ) Heavy-Duty Bucket | AT395871 | \$12,800.00 |
|--|----------|-------------|

Includes Six (6) John Deere TK-Series Fanggs (TK550)

|  |          |             |
|--|----------|-------------|
| 66 In (1676 mm), 3.09 yd <sup>3</sup> (2.36 M <sup>3</sup> ) Heavy-Duty Bucket | AT395872 | \$13,443.00 |
|--|----------|-------------|

Includes Six (6) John Deere TK-Series Fanggs (TK550)

|  |          |             |
|--|----------|-------------|
| 72 In (1829 mm), 3.44 yd <sup>3</sup> (2.63 M <sup>3</sup> ) Heavy-Duty Bucket | AT395873 | \$14,232.00 |
|--|----------|-------------|

Includes Seven (7) John Deere TK-Series Fanggs (TK550)

|   |          |             |
|---|----------|-------------|
| 72 In (1829 mm), 4.01 yd <sup>3</sup> (3.07 M <sup>3</sup> ) Truck-Loading Bucket | AT395874 | \$20,045.00 |
|---|----------|-------------|

Includes Six (6) John Deere TK-Series Fanggs (TK550)

**Buckets, Heavy-Duty, High-Capacity**

Buckets come standard with horizontal wear strips. Vertical wear strips in lieu of horizontal are available at no additional charge. The switch to vertical wear strips MUST be indicated in the comments section of your order.

|  |          |             |
|--|----------|-------------|
|  | AT395875 | \$17,920.00 |
|--|----------|-------------|

48 In (1219 mm), 2.37 yd<sup>3</sup> (1.81 M3) Heavy-Duty, High-Capacity Bucket

Includes Five (5) TK-Series Fanggs (TK550)

54 In (1372 mm), 2.76 yd<sup>3</sup> (2.11 M3) Heavy-Duty, High-Capacity Bucket AT395876 \$18,794.00

Includes Five (5) TK-Series Fanggs (TK550)

60 In (1524 mm), 3.17 yd<sup>3</sup> (2.42 M3) Heavy-Duty, High-Capacity Bucket AT395877 \$19,379.00

Includes Six (6) TK-Series Fanggs (TK550)

66 In (1676 mm), 3.57 yd<sup>3</sup> (2.73 M3) Heavy-Duty, High-Capacity Bucket AT395878 \$20,097.00

Includes Six (6) TK-Series Fanggs (TK550)

72 In (1829 mm), 3.97 yd<sup>3</sup> (3.04 M3) Heavy-Duty, High-Capacity Bucket AT395879 \$20,923.00

Includes Seven (7) TK-Series Fanggs (TK550)

### **Buckets, Side Cutters**

Side-Cutter Kit, 6 inch AT342513 \$628.00

### **Guards**

Cab FOPS Guard AT419609 \$4,326.00

FOPS Level II, ISO 10262 Certified

### **Hydraulic Couplers**

Hydraulic Quick Coupler AT452021 \$11,874.00

Installation Charge for Hydraulic Coupler AT345608 \$1,360.00

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**

[Please click on the following link to access the freight rate tables.](#)

Hydraulic Thumb Kit, Progressive AT379664 \$14,130.00

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.

For use with pin on bucket.

AT379665 \$14,130.00

## Hydraulic Thumb Kit, Progressive for Couplers

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.

For use with coupler and coupler bucket.

### **Hydraulics**

|  |            |
|--|------------|
| Anti-Drift Valve with Plumbing and Hardware, Arm Cylinder AT338257 | \$3,531.00 |
|--|------------|

|                     |          |            |
|---------------------|----------|------------|
| Boom Anti-Drift Kit | AT316251 | \$3,926.00 |
|---------------------|----------|------------|

|  |          |          |
|--|----------|----------|
| Control Handle for Auxiliary Hydraulics, Left-Hand | AT327652 | \$515.00 |
|--|----------|----------|

Requires control solenoid for either 1-way or 2-way auxiliary hydraulics. Recommended for use with auxiliary hydraulic lines.

|  |          |          |
|--|----------|----------|
| Control Solenoids for 2-Way Auxiliary Hydraulics | AT330567 | \$784.00 |
|--|----------|----------|

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 | AT437218 | \$1,970.00 |
|----------------------------------|----------|------------|

|  |          |          |
|--|----------|----------|
| Hydraulic Filter Restriction Indicator Kit | AT327632 | \$774.00 |
|--|----------|----------|

This kit is recommended when the excavator will be equipped with front attachment such as crushers, thumbs, hammers, log loaders, etc.

|                         |          |            |
|-------------------------|----------|------------|
| Single Pedal Propel Kit | AT390776 | \$2,080.00 |
|-------------------------|----------|------------|

### **Operator Environment**

|                  |          |            |
|------------------|----------|------------|
| 3 Inch Seat Belt | AT173678 | View Price |
|------------------|----------|------------|

|  |          |            |
|--|----------|------------|
| Guard, Lower Front Window ISO Level II | AT390824 | \$1,191.00 |
|--|----------|------------|

|  |          |            |
|--|----------|------------|
| Guard, Upper Front Window ISO Level II | AT390823 | \$1,502.00 |
|--|----------|------------|

|                            |          |              |
|----------------------------|----------|--------------|
| Mechanical Pattern Changer | AT461092 | \$1,327.00 ✓ |
|----------------------------|----------|--------------|

### **Overall Vehicle**

|                  |          |              |
|------------------|----------|--------------|
| Vandal Cover Kit | AT390721 | \$2,964.00 ✓ |
|------------------|----------|--------------|