



**JOHN DEERE**

Current Date 03Jan2020

## 870G 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

Hydraulic Tank Site Gauge  
4,000 Hour Hydraulic Oil  
Change Interval

### UNDERCARRIAGE:

Two Speed Propel  
Axial Piston Propel Motors  
Propel Motor Shields  
Planetary Final Drives  
Sealed Track Chain  
Front and Center Track  
Guides  
X-Frame Car Body  
Hydraulic Track Adjuster  
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  
Boom Cylinders with  
Plumbing  
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  
DEF Gauge with Low DEF  
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  
Engine Oil Level Indicator  
Engine Coolant Level  
Indicator  
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. US/Canadian Port of Entry for Complete Machine.  
 F.O.B. Kernersville, North Carolina for 470 boom and arm, or Port of Entry depending on configuration.  
 See DEALER-INSTALLED ATTACHMENT section for additional source notes.

| Description           | Code   | Price        |
|-----------------------|--------|--------------|
| 870G LC FT4 EXCAVATOR | 04G1FF | \$996,570.00 |

▼ ENGINE

| Description       | Code | Price       |
|-------------------|------|-------------|
| Engine, Isuzu FT4 | 1095 | \$30,387.00 |

Engine, Isuzu 6WG1 certified to FT4 / Stage IV emissions  
 For use only in areas where EPA Tier 4/EU Stage IV is required.

- 512 Horsepower Net Peak Power (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
- Glow Plug Start Aid
- 50-Amp Alternator - 24 Volt
- 500 Hour Engine Oil Change Interval

▼ OPERATOR'S MANUAL AND DECALS

| Description                                 | Code | Price         |
|---|------|---------------|
| English Decals and Customer Delivery Packet | 2530 | No Added Cost |

▼ 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.



MAIN FRAME

| Description                 | Code | Price         |
|-----------------------------|------|---------------|
| Mainframe and Counterweight | 2625 | No Added Cost |

Will not accept counterweight removal device.  
 Standard Mainframe and Counterweight.

|  |      |             |
|--|------|-------------|
| Modified Mainframe and Counterweight with Counterweight Removal Device | 2650 | \$23,323.00 |
|--|------|-------------|

Includes factory installed counterweight removal device.



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 | 7180 | \$76,125.00 |
|--------------------------------------|------|-------------|

3.7 M (12 Ft. 2 In.)

|                                      |      |             |
|--------------------------------------|------|-------------|
| Arm with Bucket Cylinder and Linkage | 7265 | \$80,928.00 |
|--------------------------------------|------|-------------|

4.4 M (14 Ft. 5 In.)

|                                      |      |             |
|--------------------------------------|------|-------------|
| Arm with Bucket Cylinder and Linkage | 7270 | \$88,296.00 |
|--------------------------------------|------|-------------|

5.4 M (17 Ft. 9 In.)  
 Requires 670-size buckets.

|   |      |             |
|---|------|-------------|
| Mass Excavating (ME) Arm with Bucket Cylinder and Linkage | 7275 | \$85,098.00 |
|---|------|-------------|

2.95 M (9 Ft. 8 In.)  
 Requires code 6850, Mass Excavating (ME) Boom.



TRACK SHOES

| Description | Code | Price         |
|-------------|------|---------------|
|             | 3200 | (\$11,017.00) |

Track Shoes

650 mm (26 In.) Double-Bar Semi-Grouser Shoes.  
Recommended for rocky terrain, hard ground and stumps.

|             |      |              |
|-------------|------|--------------|
| Track Shoes | 3300 | (\$5,596.00) |
|-------------|------|--------------|

750 mm (30 In.) Double-Bar Semi-Grouser Shoes  
Recommended for general conditions.  
Long Lead Time.

|             |      |               |
|-------------|------|---------------|
| Track Shoes | 3350 | No Added Cost |
|-------------|------|---------------|

900 mm (36 In.) Double-Bar Semi-Grouser Shoes.  
Recommended for general conditions and soft terrain.

|             |      |            |
|-------------|------|------------|
| Track Shoes | 3400 | \$9,477.00 |
|-------------|------|------------|

1020 mm (40 In.) Double-Bar Semi-Grouser Shoes  
Recommended for general conditions and soft terrain.  
Long Lead Time.



BOOM

| Description | Code | Price         |
|-------------|------|---------------|
| Less Boom   | 6801 | No Added Cost |

Less Arm Cylinder, and Plumbing on Boom.  
Includes Boom Cylinders, Plumbing to Boom, and Pin Connecting Boom to Mainframe.  
Requires "Less Arm".  
The "Hydraulic Filter Restriction Indicator" in DEALER-INSTALLED ATTACHMENTS is recommended.

|   |      |              |
|---|------|--------------|
| 7.1 M (23 Ft. 4 In.) One Piece Mass Excavating (ME) Boom with Arm Cylinder and Plumbing | 6850 | \$136,778.00 |
|---|------|--------------|

Requires code 7275, Mass-Excavating (ME) Arm.  
Check availability, may require long lead time.

|   |      |              |
|---|------|--------------|
| 8.4 M (27 Ft. 7 In.) Standard One Piece Boom with Arm Cylinder and Plumbing | 6855 | \$114,671.00 |
|---|------|--------------|

|  |      |              |
|--|------|--------------|
| 10 M (32 ft. 10 in.) One Piece Boom with Boom Cylinders, Arm Cylinders, and Plumbing | 6870 | \$135,576.00 |
|--|------|--------------|

INCLUDES THE BOOM CYLINDERS, NOTE: ONLY WITH 7265 or 7270  
Includes remote grease bank.  
Includes unique lift chart for factory installed booms.  
Boom cylinders are unique to this boom.  
Long Lead Time.

Optional - *Select as desired*



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       |
|---|----------|-------------|
| <u>Buckets, Extreme-duty, Plate Lip</u>   |          |             |
| 48 In (1218 mm), 3.65 yd3 (2.79 M3) Extreme-Duty, Plate-Lip Bucket  | AT339350 | \$42,731.00 |
| Includes Four (4) John Deere TK-Series Fanggs Teeth (TK700FD).<br>For use on the 3.7 and 4.4 M Arms Only.         |          |             |
| 48 In (1218 mm), 3.65 yd3 (2.79 M3) Extreme-Duty, Plate-Lip Bucket  | AT339352 | \$42,190.00 |
| Includes Four (4) John Deere TK-Series Fanggs Teeth (TK700FD).<br>For use on the 2.95 M Mass Excavating Arm Only. |          |             |
| 54 In (1372 mm), 4.27 yd3 (3.26 M3) Extreme-Duty, Plate-Lip Bucket  | AT339354 | \$46,585.00 |
| Includes Five (5) John Deere TK-Series Fanggs Teeth (TK700FD).<br>For use on the 3.7 and 4.4 M Arms Only.         |          |             |
| 54 In (1372 mm), 4.27 yd3 (3.26 M3) Extreme-Duty, Plate-Lip Bucket  | AT339356 | \$46,045.00 |
| Includes Five (5) John Deere TK-Series Fanggs Teeth (TK700FD).<br>For use on the 2.95 M Mass Excavating Arm Only. |          |             |
| 60 In (1524 mm), 4.89 yd3 (3.74 M3) Extreme-Duty, Plate-Lip Bucket  | AT339358 | \$48,260.00 |
| Includes Five (5) John Deere TK-Series Fanggs Teeth (TK700FD).<br>For use on the 3.7 and 4.4 M Arms Only.         |          |             |
| 72 In (1829 mm), 6.17 yd3 (4.72 M3) Extreme-Duty, Plate-Lip Bucket  | AT339363 | \$53,277.00 |
| Includes Six (6) John Deere TK-Series Fanggs Teeth (TK700FD).<br>For use on the 2.95 M Mass Excavating Arm Only.  |          |             |
| <u>Buckets, Heavy-duty</u>  |          |             |
| 36 In (914 mm), 1.87 yd3 (1.43 M3) Heavy-Duty Bucket  | AT339324 | \$22,324.00 |
| Includes Three (3) John Deere TK-Series Fanggs Teeth (TK700FD).<br>For use on the 5.4 M Arm Only.                 |          |             |
| 42 In (1067 mm), 2.32 yd3 (1.77 M3) Heavy-Duty Bucket   | AT339326 | \$24,751.00 |
| Includes Four (4) John Deere TK-Series Fanggs Teeth (TK700FD).<br>For use on the 5.4 M Arm Only.                  |          |             |
| 48 In (1219 mm), 2.78 yd3 (2.13 M3) Heavy-Duty Bucket   | AT339328 | \$26,593.00 |
| Includes Four (4) John Deere TK-Series Fanggs Teeth (TK700FD).<br>For use on the 5.4 M Arm Only.                  |          |             |
|   | AT339330 | \$28,535.00 |

54 In (1372 mm), 3.24 yd3 (2.48 M3) Heavy-Duty Bucket

Includes Five (5) John Deere TK-Series Fanggs Teeth (TK700FD).  
For use on the 5.4 M Arm Only.

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60 In (1524 mm), 3.72 yd3 (2.84 M3) Heavy-Duty Bucket AT339332 \$30,463.00

Includes Five (5) John Deere TK-Series Fanggs Teeth (TK700FD).  
For use on the 5.4 M Arm Only.

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Buckets, Heavy-duty, High-capacity

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36 In (914 mm), 2.48 yd3 (1.90 M3) Heavy-Duty, High-Capacity Bucket AT339334 \$31,257.00

Includes Three (3) John Deere TK-Series Fanggs Teeth (TK700FD).  
For use on the 3.7 and 4.4 M Arms Only.

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42 In (1067 mm), 3.05 yd3 (2.33 M3) Heavy-Duty, High-Capacity Bucket AT339336 \$33,844.00

Includes Four (4) John Deere TK-Series Fanggs Teeth (TK700FD).  
For use on the 3.7 and 4.4 M Arms Only.

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48 In (1218 mm), 3.65 yd3 (2.79 M3) Heavy-Duty, High-Capacity Bucket AT339338 \$35,813.00

Includes Four (4) John Deere TK-Series Fanggs Teeth (TK700FD).  
For use on the 3.7 and 4.4 M Arms Only.

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54 In (1372 mm), 4.27 yd3 (3.26 M3) Heavy-Duty, High-Capacity Bucket AT339340 \$38,078.00

Includes Five (5) John Deere TK-Series Fanggs Teeth (TK700FD).  
For use on the 3.7 and 4.4 M Arms Only.

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60 In (1524 mm), 4.89 yd3 (3.74 M3) Heavy-Duty, High-Capacity Bucket AT339342 \$40,242.00

Includes Five (5) John Deere TK-Series Fanggs Teeth (TK700FD).  
For use on the 3.7 and 4.4 M Arms Only.

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72 In (1829 mm), 6.17 yd3 (4.72 M3) Heavy-Duty, High-Capacity Bucket AT339344 \$43,527.00

Includes Six (6) John Deere TK-Series Fanggs Teeth (TK700FD).  
For use on the 3.7 and 4.4 M Arms Only.

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80 In (2032 mm), 7.02 yd3 (5.37 M3) Heavy-Duty, High-Capacity Bucket AT339346 \$45,751.00

Includes Seven (7) John Deere TK-Series Fanggs Teeth (TK700FD).  
For use on the 3.7 and 4.4 M Arms Only.

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90 In (2286 mm), 7.46 yd3 (5.70 M3) Heavy-Duty, High-Capacity Bucket AT339348 \$47,326.00

Includes Seven (7) John Deere TK-Series Fanggs Teeth (TK600FD).  
For use on the 2.9 M Mass Excavating Arm Only.

|  |          |             |
|--|----------|-------------|
| <u>Buckets, Side Cutters</u>   |          |             |
| Side-Cutter Kit, 6 inch  | AT342513 | \$641.00    |
| <u>Buckets, Truck Loading</u>  |          |             |
| 84 In (2134 mm), 5.66 yd <sup>3</sup> (4.33 M3) Truck-Loading Bucket   | AT339368 | \$35,238.00 |
| Includes Six (6) John Deere TK-Series Fanggs Teeth (TK700FD).<br>For use on the 3.7 and 4.4 M Arms Only.                         |          |             |
| 92 In (2337 mm), 6.28 yd <sup>3</sup> (4.80 M3) Truck-Loading Bucket   | AT339372 | \$38,791.00 |
| Includes Eight (8) John Deere TK-Series Fanggs Teeth (TK700FD).<br>For use on the 3.7 and 4.4 M Arms Only.                       |          |             |
| <u>Guards</u>  |          |             |
| Cab FOPS Guard   | AT419609 | \$4,413.00  |
| FOPS Level II, ISO 10262 Certified   |          |             |
| <u>Hydraulics</u>  |          |             |
| Control Handle for Auxiliary Hydraulics, Left-Hand   | AT327652 | \$525.00    |
| Requires control solenoid for either 1-way or 2-way auxiliary hydraulics.<br>Recommended for use with auxiliary hydraulic lines. |          |             |
| Single Pedal Propel Kit  | AT390776 | \$2,122.00  |
| <u>Operator Environment</u>  |          |             |
| Full Length Front Guards   | BYT11141 | \$1,532.00  |
| After Serial # 050212  |          |             |
| Mechanical Pattern Changer   | AT461092 | \$1,354.00  |
| <u>Overall Vehicle</u>   |          |             |
| Vandal Cover Kit   | AT390721 | \$3,023.00  |
| Vandal Covers  | BYT11005 | \$3,023.00  |
| After Serial # 050212  |          |             |



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 |      |       |

Front Window Guard, Polycarbonate

ETN90043

\$2,848.00

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