



Current Date 03Jan2020

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	\$485,813.00

▼ ENGINE

Description	Code	Price
Engine Stage IV Emissions	1095	\$15,000.00

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 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 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
Triple Semi-Grouser Shoes	3350	No Added Cost
Recommended for general conditions and soft terrain. 900 mm (36 In.)		

BOOM

Description	Code	Price
Less Boom	6801	No Added Cost
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	\$73,101.00
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	\$74,492.00
Similar to the Heavy-Duty Boom on Previous Series 7.0 M (23 ft.)		

GRADE READY/GRADE GUIDANCE

Description	Code	Price
Less Grade Reference Ready Mounts	7901	No Added Cost
Grade Reference Ready Mounts	7920	\$1,738.00
3.4M 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.		

Grade Reference Ready Mounts	7930	\$1,738.00
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. 3.9M Arm		
<u>Grade Guidance</u>		
TOPCON 2D Integrated Grade Guidance, Topcon - Less Laser Catcher	7950	\$12,715.00
2D Grade Guidance system fully integrated into the cab and structures. Intuitive functionality with built-in audible tones and light bars, matched with precise real-time bucket cutting edge position information of relative depth and slope, provide clear guidance to target grade. Consists of sensors, controllers and in-cab display for configuring, monitoring, and measuring grade.		
TOPCON 2D Integrated Grade Guidance, Topcon - with Laser	7951	\$14,162.00
2D Grade Guidance system fully integrated into the cab and structures. Intuitive functionality with built-in audible tones and light bars, matched with precise real-time bucket cutting edge position information of relative depth and slope, provide clear guidance to target grade. Consists of laser receiver, sensors, controllers and in-cab display for configuring, monitoring, and measuring grade. Laser receiver enables greater jobsite flexibility utilizing plane for references across larger jobsites. Laser receiver requires offboard laser transmitter for functionality.		
TOPCON 3D Integrated Grade Guidance, Topcon - 450 Mhz Radio	7953	\$52,587.00
3D Grade Guidance system fully integrated into the cab and structures. Intuitive functionality with built-in audible tones and light bars, matched with precise real-time bucket cutting edge position information, including relative depth and slope to 3 dimensional design plans. Consists of UHF transmitter/receiver, sensors, and in-cab display for configuring, monitoring, and measuring grade. Includes Topcon 3D-MC ² software compatible with Topcon file formats.		
TOPCON 3D Integrated Grade Guidance, Topcon - 915 Mhz Radio	7954	\$52,587.00
3D Grade Guidance system fully integrated into the cab and structures. Intuitive functionality with built-in audible tones and light bars, matched with precise real-time bucket cutting edge position information, including relative depth and slope to 3 dimensional design plans. Consists of 915SS transmitter/receiver, sensors, and in-cab display for configuring, monitoring, and measuring grade. Includes Topcon 3D-MC ² software compatible with Topcon file formats.		
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	\$35,731.00
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3.4 M (11 ft. 2 in.)

Recommended for hammer or high density material applications.

Arm Assembly w/ Bucket Cylinder & Linkage	7250	\$35,986.00
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3.9 M (12 ft. 10 in.)

Mass Excavating (ME) Arm with Bucket Cylinder and Linkage	7275	\$40,867.00
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2.9 M (9 ft. 6 in.)

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

Arm with Bucket Cylinder and Linkage	7285	\$36,224.00
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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	Code	Price
Less Auxiliary Hydraulics	7401	No Added Cost

Auxiliary High-Flow Hydraulic Lines Only	7450	\$14,452.00
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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 3.4 M Arm
Includes Combination piping

Auxiliary High-Flow Hydraulic Lines Only	7460	\$14,452.00
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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	No Added Cost

Will accept counterweight removal device.

Modified Mainframe and Counterweight with Counterweight Removal Device	2650	\$9,204.00
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▼ 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, High-Capacity Bucket	8360	\$21,170.00
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	\$22,821.00
72 In. (1830MM) 3.97 Yd3 (3.04 M3) Includes Six (7) John Deere TK-Series Fanggs Teeth (TK550FD).		
Severe Duty Bucket	8390	\$22,133.00
60 In. (1525 mm) 2.98 Yd3 (2.28 M3) Includes Six (6) TK550 Series Teeth, Side Shrouds and Edge Protectors.		

Optional - *Select as desired*

▼	HEATER		
	Description	Code	Price
	Engine Block Heater	9015	\$248.00
▼	ETHER STARTING AID		
	Description	Code	Price
	Ether Start Aid	9030	\$347.00
▼	FILTER		
	Description	Code	Price
	Fuel Filter, Severe-Duty	9060	\$175.00
	Engine Air Centrifugal Pre-Cleaner	9070	\$631.00
	Recommended for harsh conditions		
▼	ENGINE FAN		
	Description	Code	Price
	Single Pedal Propel	9180	\$2,259.00
▼	EXHAUST		
	Description	Code	Price
	Chrome Exhaust	9700	\$467.00
▼	UNDERCARRIAGE		
	Description	Code	Price
	Track Frame Undercover	9160	\$643.00
▼	SEAT		
	Description	Code	Price
	Seat, Premium Leather - Thermal Heating and Active Cooling	9135	\$2,731.00

- Active heating and cooling
- Air suspension
- High seat back
- 3-way adjustability
- High visibility orange 3 inch seat belt

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		
42 In (1067 mm), 1.74 yd3 (1.33 M3) Heavy-Duty Bucket	BYT11173	\$10,729.00
Includes Four (4) John Deere TK-Series Fanggs (TK550).		
48 In (1219 mm), 2.07 yd3 (1.58 M3) Heavy-Duty Bucket	BYT11174	\$11,598.00
Includes Five (5) John Deere TK-Series Fanggs (TK550)		
54 In (1372 mm), 2.41 yd3 (1.84 M3) Heavy-Duty Bucket	BYT11175	\$12,912.00
Includes Five (5) John Deere TK-Series Fanggs (TK550)		
60 In (1524 mm), 2.75 yd3 (2.10 M3) Heavy-Duty Bucket	BYT11176	\$14,031.00
Includes Six (6) John Deere TK-Series Fanggs (TK550)		
60IN (1525MM) 2.98YD (2.28 M3) SD Bucket Includes Five (5) TK550SD SeriesTeeth, Side Shrouds and Edge Protectors	BYT11179	\$16,328.00
66 In (1676 mm), 3.09 yd3 (2.36 M3) Heavy-Duty Bucket	BYT11177	\$14,522.00
Includes Six (6) John Deere TK-Series Fanggs (TK550)		
72 In (1829 mm), 3.44 yd3 (2.63 M3) Heavy-Duty Bucket	BYT11178	\$15,672.00
Includes Seven (7) John Deere TK-Series Fanggs (TK550)		
Buckets, Side Cutters		
Side-Cutter Kit, 6 inch	AT342513	\$641.00
Guards		
Cab FOPS Guard	AT419609	\$4,413.00
FOPS Level II, ISO 10262 Certified		
Hydraulic Couplers		
Hydraulic Quick Coupler	AT452021	\$12,111.00

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

Hydraulic Thumb Kit, Progressive	AT379664	\$14,413.00
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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.

For use with pin on bucket.

Hydraulic Thumb Kit, Progressive for Couplers	AT379665	\$14,413.00
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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.

For use with coupler and coupler bucket.

Hydraulics

Anti-Drift Valve with Plumbing and Hardware, Arm Cylinder	AT338257	\$3,602.00
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Auxiliary High-Flow Hydraulic Lines for 470G	BYT10125	\$12,785.00
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Boom Anti-Drift Kit	AT316251	\$4,005.00
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Installation Instruction T217533

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 Solenoids for 2-Way Auxiliary Hydraulics	AT330567	\$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	AT437218	\$2,009.00
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Hydraulic Filter Restriction Indicator Kit	AT327632	\$789.00
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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	\$2,122.00
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Operator Environment

Full Length Front Guards	BYT11141	\$1,532.00
After Serial # 36001		
Mechanical Pattern Changer	AT461092	\$1,354.00
Stereo adapter for phone or music device.	ETN93549	\$224.00
Overall Vehicle		
Vandal Cover Kit	AT390721	\$3,023.00