

**JOHN DEERE**

Current Date 06Jan2021

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.johndeeretechno.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 /ZLink 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 |
| 900 mm (36 In.) Recommended for general conditions and soft terrain. | | |

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

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. | | |

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|--|-------------|--------------------|
| Grade Reference Ready Mounts | 7930 | \$1,738.00 |
| <p>3.9M 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.</p> | | |
| Grade Guidance | | |
| TOPCON 2D Integrated Grade Guidance, Topcon - Less Laser Catcher | 7950 | \$18,607.00 |
| <p>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.</p> | | |
| TOPCON 2D Integrated Grade Guidance, Topcon - with Laser | 7951 | \$20,022.00 |
| <p>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.</p> | | |
| TOPCON 3D Integrated Grade Guidance, Topcon - 915 Mhz & 450 Mhz Radio - Less Laser Catcher | 7953 | \$55,444.00 |
| <p>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-MC² software compatible with Topcon file formats.</p> | | |
| SmartGrade Ready 2D grade control- Less Laser Catcher | 7956 | \$33,357.00 |
| <p>SmartGrade ready 2D grade control system fully integrated into the cab and structures. Adaptively controls bucket relative to target grade to improve accuracy and efficiency. Includes Virtual alert features (Virtual Ceiling, Virtual Floor, Virtual Swing, Virtual Wall, Virtual Front & Over-Dig Protect). Upgradeable to SmartGrade 3D solution via upgrade kit. Consists of sensors, controllers, valves and in-cab display for configuring, monitoring, and controlling grade. Calibrated at factory using factory bucket.</p> | | |
| SmartGrade Ready 2D grade control - w/ Laser Catcher | 7957 | \$34,772.00 |
| <p>SmartGrade ready 2D grade control system fully integrated into the cab and structures. Adaptively controls bucket relative to target grade to improve accuracy and efficiency. Includes Virtual alert features (Virtual Ceiling, Virtual Floor, Virtual Swing, Virtual Wall, Virtual Front & Over-Dig Protect). Upgradeable to SmartGrade 3D solution via upgrade kit. Consists of laser receiver, sensors, controllers, valves and in-cab display for configuring, monitoring, and controlling grade. Laser receiver enables</p> | | |

greater jobsite flexibility utilizing plane for references across larger jobsites. Laser receiver requires offboard laser transmitter for functionality. Calibrated at factory using factory bucket.

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| 3D SmartGrade(TM) W/ 915MHz & 450MHz Radio - Less Laser Catcher | 7958 | \$77,857.00 |
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SmartGrade 3D GNSS grade control system fully integrated into the cab and structures. Adaptively controls bucket relative to grade to improve accuracy and efficiency. Includes Virtual alert features (Virtual Ceiling, Virtual Floor, Virtual Swing, Virtual Wall, Virtual Front & Over-Dig Protect). Consists of sensors, valves, GNSS receivers, UHF receiver, and in-cab display for configuring, monitoring, measuring, and controlling grade. Includes Topcon 3DMC software compatible with Topcon file formats. Calibrated at factory using factory bucket.

ARM

Description

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

Code

Price

7001 No Added Cost

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

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| 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.

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

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| 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.

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| 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

Less Auxiliary Hydraulics

Code

Price

7401 No Added Cost

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| Auxiliary High-Flow Hydraulic Lines Only | 7450 | \$14,452.00 |
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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

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| 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 |
|---|------|---------------|
| Main Frame and Counterweight without Removal Device | 2630 | No Added Cost |

Counterweight will not accept Counterweight Removal Device

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| Main Frame and Counterweight with Counterweight Removal Device | 2655 | \$11,150.00 |
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Includes factory installed Counterweight Removal Device

▼ 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.

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| Heavy-Duty, High-Capacity Bucket | 8360 | \$21,170.00 |
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60 In. (1525 mm), 3.17 Yd3 (2.42 M3)
Includes Six (6) John Deere TK-Series Fanggs Teeth (TK550FD).

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| Heavy-Duty, High-Capacity Bucket | 8380 | \$22,821.00 |
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72 In. (1830MM) 3.97 Yd3 (3.04 M3)
Includes Six (7) John Deere TK-Series Fanggs Teeth (TK550FD).

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| Severe Duty Bucket | 8390 | \$22,133.00 |
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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 |

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| Engine Air Centrifugal Pre-Cleaner | 9070 | \$631.00 |
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Recommended for harsh conditions

ENGINE FAN

| Description | Code | Price |
|---------------------|------|------------|
| Single Pedal Propel | 9180 | \$2,259.00 |

Additional pedal for tracking both tracks simultaneously in the same direction

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

| Description | Code | Price |
|-----------------------------------|------|-------|
| <u>Buckets, Heavy-Duty</u> | | |

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| 42 In (1067 mm), 1.74 yd3 (1.33 M3) Heavy-Duty Bucket | BYT11173 | \$10,836.00 |
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Includes Four (4) John Deere TK-Series Fanggs (TK550).

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| 48 In (1219 mm), 2.07 yd3 (1.58 M3) Heavy-Duty Bucket | BYT11174 | \$11,714.00 |
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Includes Five (5) John Deere TK-Series Fanggs (TK550)

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| 54 In (1372 mm), 2.41 yd3 (1.84 M3) Heavy-Duty Bucket | BYT11175 | \$13,041.00 |
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Includes Five (5) John Deere TK-Series Fanggs (TK550)

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| 60 In (1524 mm), 2.75 yd3 (2.10 M3) Heavy-Duty Bucket | BYT11176 | \$14,171.00 |
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Includes Six (6) John Deere TK-Series Fanggs (TK550)

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| 60IN (1525MM) 2.98YD (2.28 M3) SD Bucket | BYT11179 | \$16,491.00 |
| Includes Five (5) TK550SD SeriesTeeth, Side Shrouds and Edge Protectors | | |

66 In (1676 mm), 3.09 yd3 (2.36 M3) Heavy-Duty Bucket BYT11177 \$14,667.00

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

72 In (1829 mm), 3.44 yd3 (2.63 M3) Heavy-Duty Bucket BYT11178 \$15,829.00

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

Buckets, Side Cutters

Side-Cutter Kit, 6 inch AT342513 \$647.00

Guards

Cab FOPS Guard AT419609 \$4,457.00

FOPS Level II, ISO 10262 Certified

Hydraulic Couplers

Hydraulic Quick Coupler (Non-Variable type) - Coupler and Controls Kit AT452021 \$12,232.00

Includes non-variable hydraulic quick coupler with hydraulic and electrical control components

Hydraulic Quick Coupler (Variable-type Pin-Grabber) - Coupler Only BYT11636 \$18,898.00

Coupler kit ONLY. Includes coupler, jumper hoses, and one set of dead pins.
Controls components NOT included. Also purchase Controls Kit BYT11637.
Not compatible with hydraulic thumb AT379664 or AT379665.

Hydraulic Quick Coupler Controls Kit, (Variable-type Pin-Grabber) - Controls Kit Only BYT11637 \$1,536.00

Controls kit ONLY. Includes hydraulic control components, electrical control components and components to manifold on end of arm.
Does not include hydraulic quick coupler - also purchase BYT11636.
May not be required if replacing existing hydraulic quick coupler.

Installation Charge for Hydraulic Quick Coupler AT345608 \$1,401.00

When ordering Hydraulic Quick Coupler (Variable-type Pin-Grabber) must order both Coupler and Controls attachment kits.
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 \$14,557.00

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.
Not compatible with couplers, for use only with pin-on buckets.

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| Hydraulic Thumb Kit, Progressive for Couplers | AT379665 | \$14,557.00 |
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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 Hydraulic Quick coupler (non-variable type) AT452021 only.

Not compatible with Hydraulic Quick Coupler (Variable-type Pin-Grabber)

BYT11634.

Hydraulics

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|---|----------|------------|
| Anti-Drift Valve with Plumbing and Hardware, Arm Cylinder | AT338257 | \$3,638.00 |
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| Boom Anti-Drift Kit | AT316251 | \$4,045.00 |
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Installation Instruction T217533

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| Control Handle for Auxiliary Hydraulics, Left-Hand | AT327652 | \$530.00 |
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Requires control solenoid for either 1-way or 2-way auxiliary hydraulics.
Recommended for use with auxiliary hydraulic lines.

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| Control Solenoids for 2-Way Auxiliary Hydraulics | AT330567 | \$808.00 |
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Monitor can be used to control hydraulic flow.

Can be used with either right-hand or left-hand control handle.

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| Foot Control, Two-Way Hydraulics | AT437218 | \$2,029.00 |
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| High-Flow Auxiliary Hydraulic Lines for 3.9 M Arm | BYT10125 | \$12,913.00 |
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| Hydraulic Filter Restriction Indicator Kit | AT327632 | \$797.00 |
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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.

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| Single Pedal Propel Kit | AT390776 | \$2,143.00 |
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Operator Environment

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| Full Length Front Guards | BYT11141 | \$1,547.00 |
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After Serial # 36000

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| Mechanical Pattern Changer | AT461092 | \$1,368.00 |
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