



Current Date 03Jan2020

345G LC FT4 Excavator

ENGINE:

Isuzu 6HK1XASA02, EPA FT4 / EU Stage IV emissions
 Net Peak Power (ISO9249) 249 hp (186 kW)
 Turbocharged, air-to-air charge air cooler
 Electronic Engine Control Unit
 Auto-Idle System
 Full forced pressure feed type
 High-pressure common rail, ULSD required, B20 approved; Mounted Fuel Cooler
 Double filter with water separator, remote mounted
 Full flow spin-on filter, remote mounted
 Dual Element Dry-type Air Filter with Restriction Indicator
 Glow Plug Start Aid
 Antifreeze Protection to -34 degrees F (-37 degrees C)
 Side by Side by Side Radiator, Oil Cooler, Intercooler with Dust Net Enclosed Fan Guard
 500 Hour Engine Oil Change Interval, Isolation Mounted Filter

HYDRAULICS:

Open Center, Load Sensing with Three Variable Displacement Pumps
 Optional Auxilliary Hydraulic Lines with AFL Proportional Control
 Hydraulic Pilot Controls
 Axial Piston Swing Motor
 Swing Brake Multiple Wet Disk, Spring Applied, Hydraulically Released
 Auxiliary Valve Section
 Adjustable Flow for

(replaceable bushings) pivot pins

ELECTRICAL:

50-Amp Alternator - 24 Volt
 Worklights: 5 Halogen, 1 Mounted on frame, 2 mounted on Boom, 2 mounted on top of cab

UNDERCARRIAGE:

Two Speed Propel with Auto-Shift
 Axial Piston Propel Motors
 Propel Motor Shields
 Planetary Final Drives
 Sealed Track Chain
 Track Guides x3 (per side)
 Provisions for Tie Downs
 X-Frame Car Body
 Hydraulic Track Adjuster
 Eight Lower Rollers
 Two Upper Rollers
 Spring Applied Hydraulic Released Propel Brake
UPPER STRUCTURE:
 Right and Left Mirrors
 Toolbox
 Vandal Locks for: Cab Door, Service Doors, Fuel Cap
 Counterweight, 19,136 lbs. (8,680 kg)

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 Bucket

OPERATOR'S STATION:

JDLink Ultimate Machine Monitoring System w/ 5-year Message Service
 (Available in United States

Backrest, Headrest, and Adjustable Lumbar Support
 Machine Information Center (MIC)
 Auto-Climate Control/Air Conditioner, Heater with Pressurizer
 AM-FM Radio
 Rear View Camera
 Windshield Wiper/Washer with Intermittent Speed
 12V-60W, 5 Amp Cell Phone Power Outlet
 3 In. Retractable Seat Belt
 Tinted Safety Glass
 Hot/Cold Box Compartment
 Horn
 Cup Holder
 Interior Light
 Coat Hook
 Floor Mat
 Motion Alarm with Cancel Switch
 Transparent Tinted Roof Hatch with Sunshade
 Four Fluid-Filled Elastic Mounts
 Easy Access Air Conditioning Filter
 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
 Diesel Exhaust Fluid Guage
 Fuel Gauge with Low Fuel Indicator
 Work Mode Indicator

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|---|--|---|
| Attachments Through Monitor | and Canada only) | Auto Idle Indicator |
| Boom and Arm Reduced Drift Valves | Adjustable Control Positions (Levers to Seat, Seat to Pedals) | Alternator Charge Indicator |
| Power Boost | 4" Arm Rests Attached to Side Consoles | Air Filter Restriction Indicator |
| Auto Power Lift | Pilot Control Shut-Off Lever | Fault Code Alert Indicator |
| Hydraulic Tank Site Gauge | Short Stroke, Low Effort Pilot Levers | Check Engine Indicator |
| 5,000 Hour Hydraulic Oil Change Interval | Switches for Auxiliary Hydraulic Control on RH Pilot Lever | Wiper Mode Indicator |
| Three variable-displacement axial-piston pumps | Deluxe Adjustable Heated Cloth Seat with Air Suspension, Reclining | Work Lights On Indicator |
| Heat treated, chrome-plated, polished cylinder rods, hardened steel | | 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 |

Required - *You must select one from each category*



BASE MACHINE

| Description | Code | Price |
|-----------------------|--------|--------------|
| 345G LC FT4 Excavator | 03W0FF | \$320,803.00 |



ENGINE

| Description | Code | Price |
|---------------------------|------|-------------|
| Engine Stage IV Emissions | 1095 | \$31,680.00 |

Isuzu 6HK1 7.8L
 264 Net Rated hp (ISO 9249)
 Turbocharger
 Charge Air Cooler
 Electronic Engine Control Unit
 Auto-Idle System
 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
 Curved Exhaust
 Automatic Belt Tension Device
 Glow Plug Start Aid
 Heavy Duty, Low Maintenance Batteries
 50-Amp Alternator - 24 Volt
 500 Hour Engine Oil Change Interval
 70% (35 degrees) Off Level Capability
 Engine Oil Sampling Valve



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 |



TRACK FRAME

| Description | Code | Price |
|---|------|---------------|
| 1913 TRACK FRAME BOTTOM COVER SEAT SCREWS | 7500 | No Added Cost |



SEAT

| Description | Code | Price |
|-----------------------------|------|----------|
| Seat, Heated Air-Suspension | 4130 | \$976.00 |



BOOM

| Description | Code | Price |
|---|------|-------------|
| One Piece Boom with Arm Cylinder and Plumbing | 6835 | \$29,064.00 |



GRADE READY/GRADE GUIDANCE

| Description | Code | Price |
|-----------------------------------|------|---------------|
| Less Grade Reference Ready Mounts | 7901 | No Added Cost |



ARM

| Description | Code | Price |
|--------------------------------------|------|---------------|
| Arm with Bucket Cylinder and Linkage | 7160 | No Added Cost |

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|--------------------------------------|------|------------|
| 3.1 M (10 ft. 2 in.) | | |
| Arm with Bucket Cylinder and Linkage | 7180 | \$4,522.00 |
| 3.76 M(12 Ft. 2 in.) | | |

▼ AUXILIARY HYDRAULICS

| Description | Code | Price |
|---|------|-------------|
| Auxiliary High-Flow Hydraulic Lines w/ AFL (Pilot Lever Proportional Control) | 7490 | \$10,800.00 |
| for 3.1 M Arm (10 ft.. 2 in.) | | |
| Auxiliary High-Flow Hydraulic Lines w/ AFL (Pilot Lever Proportional Control) | 7495 | \$11,030.00 |
| for 3.75 M Arm | | |

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 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 | | |
| 36 In (914 mm), 0.97 yd3 (0.74 M3) Heavy-Duty Bucket | BYT11162 | \$6,672.00 |
| 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 |
| 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 |
| 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 |
| Includes Six (6) John Deere TK-Series Fanggs Teeth (TK400FD) | | |
| 60IN (1525MM) 2.09YD (1.60 M3) HD Bucket | BYT11166 | \$8,799.00 |
| Includes Seven (7) TK400 Series Teeth. | | |
| Buckets, Side Cutters | | |
| Edge Protector Kit | AT342511 | \$618.00 |
| Side-Cutter Kit, 3 inch | AT342512 | \$641.00 |
| Side-Cutter Kit, 6 inch | AT342513 | \$641.00 |

| <u>Guards</u> | | |
|---|----------|-------------|
| Cab FOPS Guard | AT390802 | \$3,073.00 |
| FOPS Level II, ISO 10262 Certified | | |
| <u>Hydraulic Couplers</u> | | |
| Hydraulic Quick Coupler | AT452019 | \$9,454.00 |
| Installation Charge for Hydraulic Coupler | AT345608 | \$1,387.00 |
| 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. | | |
| <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 | AT389951 | \$9,894.00 |
| 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. | | |
| Hydraulic Thumb Kit, Direct for Couplers | AT389949 | \$9,894.00 |
| Hydraulic Thumb Kit, Progressive | AT379658 | \$11,639.00 |
| 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. Only available for the following arm lengths: 290/300 3.75M (12'4") | | |
| Hydraulic Thumb Kit, Progressive for Couplers | AT379659 | \$11,639.00 |
| 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. Only available for the following arm lengths: 290/300 3.75M (12'4") | | |
| <u>Hydraulics</u> | | |
| Anti-Drift Valve with Plumbing and Hardware, Arm Cylinder | AT327659 | \$3,100.00 |

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| Auxiliary Hydraulics, Attachment Combination Kit | AT343990 | \$589.00 |
| <p>For use on 220 Mono-Boom Wheeled Excavators. Requires Auxiliary High-Flow Hydraulic Lines. Allows for a combination of attachments (i.e. hammer and thumb) to be connected to the high-flow lines, ready for operation. Kit includes parts to replace the arm tube of the high-flow hydraulic lines with a short tube and uses the existing stop valves to shut-off thumb operation when not in use.</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> | | |
| Hydraulic Filter Restriction Indicator Kit | AT445803 | \$789.00 |
| Single Pedal Propel Kit | AT390776 | \$2,122.00 |
| <u>Operator Environment</u> | | |
| Full Length Front Guards | BYT11141 | \$1,532.00 |
| After Serial # 020001 | | |
| Mechanical Control Pattern Changer Kit | BYT11013 | \$1,122.00 |
| Stereo adapter for phone or music device. | ETN93549 | \$224.00 |