



Current Date 16Nov2018

## 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  
Attachments Through

## 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

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  
Auto Idle Indicator

Monitor	and Canada only)	Alternator Charge Indicator
Boom and Arm Reduced Drift Valves	Adjustable Control Positions (Levers to Seat, Seat to Pedals)	Air Filter Restriction Indicator
Power Boost	4" Arm Rests Attached to Side Consoles	Fault Code Alert Indicator
Auto Power Lift	Pilot Control Shut-Off Lever	Check Engine Indicator
Hydraulic Tank Site Gauge		Wiper Mode Indicator
5,000 Hour Hydraulic Oil Change Interval		Work Lights On Indicator
Three variable-displacement axial-piston pumps	Short Stroke, Low Effort Pilot Levers	Fuel Rate Display
Heat treated, chrome-plated, polished cylinder rods, hardened steel (replaceable bushings) pivot pins	Switches for Auxiliary Hydraulic Control on RH Pilot Lever	Clock
	Deluxe Adjustable Heated Cloth Seat with Air Suspension, Reclining Backrest, Headrest, and Adjustable Lumbar Support	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	\$313,744.00



ENGINE

Description	Code	Price
Engine Stage IV Emissions	1095	\$30,983.00

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
	170C	No Added Cost

## JDLINK Ultimate Cellular - 5 Years

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	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	\$955.00	
BOOM			
Description	Code	Price	
One Piece Boom with Arm Cylinder and Plumbing	6835	\$28,424.00	
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	
3.1 M (10 ft. 2 in.)			
Arm with Bucket Cylinder and Linkage	7180	\$4,422.00	
3.76 M(12 Ft. 2 in.)			
AUXILIARY HYDRAULICS			
Description	Code	Price	
Less Auxiliary Hydraulics	7401	No Added Cost	

Auxiliary High-Flow Hydraulic Lines w/ AFL (Pilot Lever Proportional Control)	7490	\$10,562.00
for 3.1 M Arm (10 ft.. 2 in.)		
Auxiliary High-Flow Hydraulic Lines w/ AFL (Pilot Lever Proportional Control)	7495	\$10,787.00
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](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
<a href="#">Buckets, Heavy-Duty</a>		
36 In (914 mm), 1.30 yd3 (0.99 M3) Heavy-Duty Bucket	AT449707	\$8,824.00
Includes Four (4) John Deere TK-Series Fanggs Teeth (TK400FD).		
42 In (1067 mm), 1.59 yd3 (1.22 M3) Heavy-Duty Bucket	AT449708	\$9,588.00
Includes Five (5) John Deere TK-Series Fanggs Teeth (TK400FD).		
48 In (1219 mm), 1.88 yd3 (1.44 M3) Heavy-Duty Bucket	AT449709	\$10,230.00
Includes Five (5) John Deere TK-Series Fanggs Teeth (TK400FD).		
54 In (1372 mm), 2.18 yd3 (1.67 M3) Heavy-Duty Bucket	AT449710	\$11,950.00
Includes Six (6) John Deere TK-Series Fanggs Teeth (TK400FD).		
<a href="#">Buckets, Side Cutters</a>		
Edge Protector Kit	AT342511	\$606.00
Side-Cutter Kit, 3 inch	AT342512	\$628.00
Side-Cutter Kit, 6 inch	AT342513	\$628.00
<a href="#">Guards</a>		
Cab FOPS Guard	AT390802	\$3,013.00
FOPS Level II, ISO 10262 Certified		
<a href="#">Hydraulic Couplers</a>		
Hydraulic Quick Coupler	AT452019	\$9,269.00
	AT345608	\$1,360.00

## Installation Charge for Hydraulic Coupler

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.](#)

Deere/Hitachi Hydraulic Thumb Installation	AT339844	\$1,928.00
Labor for installation of Deere/Hitachi thumb at Paladin Customworks Kernersville, NC.		
Hydraulic Thumb Kit, Direct	AT389951	\$9,700.00
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	\$9,700.00
Hydraulic Thumb Kit, Progressive	AT379658	\$11,411.00
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	\$11,411.00
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	\$3,039.00
Auxiliary Hydraulics, Attachment Combination Kit	AT343990	\$577.00
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.		
Boom Cylinder Anti-Drift Valve with Plumbing and Hardware	AT453870	\$3,497.00

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.		
Hydraulic Filter Restriction Indicator Kit	AT445803	\$774.00
Single Pedal Propel Kit	AT390776	\$2,080.00
<u>Operator Environment</u>		
Mechanical Control Pattern Changer Kit	BYT11013	\$1,100.00
Stereo adapter for phone or music device.	ETN93549	\$220.00

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