



JOHN DEERE

Current Date 12Dec2018

1050K CRAWLER DOZER

1050K Standard Equipment

COOLING SYSTEM:

Engine Coolant -34 Degree F (-37 Degree C)
Coolant Recovery Tank
Variable-speed suction fan with automatic reversing
Perforated engine hood and side shields
8-Fin/in. Engine Coolant Radiator
8-Fin/in. Hydrostatic Oil-to-Air Cooler
8-Fin/in. Hydraulic Oil-to-Air Cooler
8-Fin/in. Charge Air Cooler (Air to Air)
8-Fin/in. Fuel Cooler (Fuel to Air)

ELECTRICAL:

24 Volt System
130 Amp Sealed Alternator for cab units
(2) Cylinder mounted, (2) cab rear mounted, (2) roof forward mounted - Halogen Lights
Bypass Start Safety Cover on Starter
24 Volt Electrical Load Center
(2) Batteries with 190 Minute Reserve Capacity, 950 CCA
Blade-Type Fuses
Electrical Master Disconnect
Positive Terminal Battery Covers
Reverse Warning Alarm (Conforms to SAE J994, J1446, ISO 9533)

HYDRAULICS:

81 gpm (308 L/min) variable displacement piston pump
Electro-Hydraulic Control System

Double Reduction Final Drives with Wet Multi-Disk Brakes
Integral Final Drive Seal Protection
Primary and Secondary Service Brakes (Conforms to ISO 10265)
Automatic Spring-Applied, Hydraulic Released Park Brake - Lever Operated (Conforms to ISO 10265)
Selectable Decelerator Mode

UNDERCARRIAGE:

Oscillating Undercarriage
24 in. (610 mm) Closed Center extreme-duty Single Grouser Track Shoes
Adjustable Track Sag
Segmented Sprockets

OPERATOR STATION:

JDLINK Ultimate Machine Monitoring System w/ 3-year Message Service
Modular Design Isolation Mounted ROPS/FOPS Operator Station (Conforms to SAE J1040 - ISO 3471)
Manual/Hydraulic Operated Operator Station Tilt Feature
Left and Right Side Cab Access
Floormat
Interior and exterior sound treatment
Slip-Resistant Steps and Ergonomically Located Handholds for Left, Right Access (Conforms to SAE J185 - ISO 2867)
Air-suspension seat:
-Thigh Support
-Lumbar
-Backrest Tilt
-Height, Weight and Fore-

-Transmission Filter Restriction
-Hydraulic Fan Filter Restriction
-Water in Fuel
-Machine Diagnostic Service Code
Indicator lights:
-Fasten-Seat-Belt
-Return-To-Neutral
-Park Brake
-Calibration/Service Mode
-Decelerator Function Mode

Digital Readout:

-Tachometer
-Alternator Voltage
-Hourmeter
-Machine Diagnostic Service Code(s)
-Transmission Charge Pressure
-Transmission Direction and Speed
-Diagnostic Service Codes
-Monitor Settings
-Calibration
-Transmission Control Settings
-Machine Travel History
Gauges, Electric, Illuminated:
-Engine Coolant Temperature
-Engine Oil Pressure
-Fuel Level
-Transmission Oil Temperature
-Hydraulic Oil Temperature
Push Button Electronic Engine Speed Control
Horn, Electric (Conforms to SAE J994, J1446, ISO 9533)
Coded Keyless Start with Electric Fuel Shut Off
Interior Mounted Rearview Mirror (Conforms to SAE J985)

(2)Function electro-hydraulic T-bar joystick Hydraulic Diagnostic Ports 23 Gallon (87 Liter) Independent Hydraulic Oil Reservoir (tank volume)	Aft -Adjustable Armrests -3 in. (76 mm) Seat Belt with Retractors (Conforms to SAE J386 - ISO 6683) Side Console Leg Cushions Adjustable Foot Rests Lunch Box Storage Lockable Glove (Storage) Box Cupholders Built-in Operator's Manual Storage Compartment and Manual 12 Volt Power Port Electronic Monitor System with Audible and Visual Warning: -Engine Coolant Temperature -Transmission Oil Temperature -Hydraulic Oil Temperature -Transmission Pressure -Low Alternator Voltage -Engine Air Filter Restriction -Hydraulic Filter Restriction	OVERALL VEHICLE: Unitized Mainframe with: -Integral Bottom Protection -Integral front tow loops -Integral Machine Transport Tie-Downs Bolt-on Bottom Access Covers Perforated Engine Side Shields Left & Right Side Hinged Engine Access Panel Transmission Rear Access Cover Hand holds for Machine Fueling Lockable Vandal Protection for: -Engine Access Panel -Side tank access doors -Instrument Panel 6.1 gallon DEF Reservoir 180 Gallon (681 Liter) Fuel Tank: -Shut Off Valve at Tank Outlet -Water Drain on tank -Fast-Fuel Installation Ready Maintenance Free Center Crossbar Pivot
POWER TRAIN: Dual Path Hydrostatic Transmission Automatic Load Sensing for Speed and Power Management AutoTracking Steering Control 39 Gallon (149 Liter) Independent Hydrostatic Reservoir Single Lever-Steering, Direction / Speed Control with Counter Rotation and Horn Combined Decelerator/Brake Pedal Selectable reverse speed ratios 100%, 115%, or 130% of forward ground speed Electronic Control with Automatic Transmission Protection		

Required - You must select one from each category

▼ BASE MACHINE

Ex-Works Dubuque, Iowa, United States of America

As not all option codes have field kits, please review your order option codes and available kits prior to placing a machine order.

Description	Code	Price
1050K CRAWLER DOZER	2430T	\$722,577.00

▼ ENGINE

Description	Code	Price
JohnDeere PowerTech PSS 6 Cyl FT4 / Stage 4 Compliant Diesel Engine	0940	\$21,044.00

13.5 L (824 cu. In.)
350 net hp (261 kW) @ 1800 rpm
No power Derating up to 10,000 ft altitude
Electronic control with automatic engine protection
Dual Turbo Configuration: Variable-Geometry Turbocharger(VGT) and Fixed Cooled Exhaust Gas Recirculation
Diesel particulate filter
Electronically Controlled Fuel Delivery System

Wet Sleeve Cylinder Liners
Vertical Spin-on Engine Oil Filter
Vertical Spin-on Dual Stage Fuel Filter
Fuel/Water sensor
Electric Fuel Primer
Dual element dry canister with external rotary ejector precleaner
Exhaust Stack, Black

DOZER CONFIGURATION

Description	Code	Price
Outside Dozer Configuration	1040	No Added Cost
2184 mm (86 in.) Gauge Standard Track Frame		
Waste Handler Outside Dozer w/ 2184 mm (86 in.) Gauge Standard Track Frame	1070	\$20,000.00
Includes engine heat wrap and precleaner for waste handling application. For front striker bar, order field kit AT456104.		
Standard Track Outside Dozer Coal Handler	1090	\$15,400.00
Requires engine code 0940 or 0950. Requires track code 4505, 4506, or 4507. Requires blade code 7062. Requires codes 9168 & 9335. Requires code 9185, 9187, 9250, or 9510. Cannot be used with 9456.		

TRACK SHOES AND CHAIN

Description	Code	Price
<u>Standard Track Only</u>		
46 Link with 24 in. (610mm) Extreme Service Shoes	4502	\$7,878.00
46 Link with 26 in. (660mm) Extreme Service Shoes	4503	\$9,472.00
46 Link with 28 in. (711mm) Extreme Service Shoes	4504	\$10,241.00
46 Link with 24 in. (610mm) Extreme Service Shoes - Trapezoidal	4505	\$8,807.00
46 Link with 26 in. (660mm) Extreme Service Shoes - Trapezoidal	4506	\$9,657.00
46 Link with 28 in. (711 mm) Extreme Service Shoes - Trapezoidal	4507	\$10,402.00

DOZER BLADE

Blades equipped with Standard Cutting Edges and Cupped Endbits without Spillguards

Description	Code	Price
202 in. (5139 mm) Mechanical Angle Dozer Blade	7073	\$50,212.00
New Deere Design and Manufacturing		
U Blade	7047	\$24,359.00
156 in. (3962 mm)		
	7049	\$32,792.00

U-Blade with Rock Rack and Wear Plate

156 in. (3962 mm)
Rock Rack will add 11.61 in. (295 mm) to overall height of blade.

Semi-U Blade with Rock Rack and Wear Plate	7050	\$25,072.00
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156 in. (3962 mm)
Rock Rack will add 11.61 in. (295 mm) to overall height of blade.

Semi-U Blade with Center Push Plate	7051	\$21,987.00
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156 in. (3962 mm)

Semi-U Blade	7048	\$18,504.00
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156 in. (3962 mm)

156 in. (3962 mm) U Blade with Trash Rack and Wear Plate for Waste Handler	7052	\$30,000.00
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Trash Rack will add 28.81 in. (732 mm) to overall height of blade.

156 in. (3962 mm) Semi-U Blade with Trash Rack and Wear Plate for Waste Handler	7053	\$19,701.00
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Trash Rack will add 28.81 in. (732 mm) to overall height of blade.

216 in. 32 yd Coal Blade	7062	\$42,300.00
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▼ HYDRAULICS FOR DOZER BLADE AND ATTACHMENTS

Description	Code	Price
2 Function Electro-Hydraulic (EH) Controls for Outside Dozer w/ Quick Drop Valve	7725	No Added Cost

4 Function Electro-Hydraulic (EH) Control Valve	7780	\$4,436.00
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For Outside Dozer with Dual Aux

3 Function Electro-Hydraulic (EH) Controls for Outside Dozer w/ Winch Valve	7736	\$3,490.00
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▼ GREASES, FUEL, OIL, & COOLANT

Description	Code	Price
Hydraulic And Hydrostatic Oil - Hydrau	8010	No Added Cost

Standard Factory Fill.
Provides All-Season Capability in Ambient Temperatures Ranging From -25C (-13F) to 50C (122F).

Hydraulic And Hydrostatic Oil - Hydrau XR	8020	\$565.00
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Optional Factory Fill.
Intended for Colder Climates with Extreme Cold Ambient Temperatures down to -40C (-40F)
Provides All-Season Capability in Ambient Temperature Ranging from -40C to 40C (-40F to 104F).

▼ SEAT

Description	Code	Price
	5885	No Added Cost

Air Suspension Comfort Control High Back Fabric Seat

3 in. (76 mm) retractable seat belt.
Adjustable armrests, backrest tilt, thigh support, lumbar, height, weight
and fore-aft positioning

Heated Air Suspension Comfort Control High Back Fabric Seat	5890	\$647.00
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3 In. (76 mm) retractable seat belt.
Adjustable armrests, backrest tilt, thigh support, lumbar, height, weight
and fore-aft positioning.

▼ MACHINE CONNECTIVITY

Machine connectivity functions require cellular coverage. Usage of JDLINK 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 Cellular - 5 Years	170C	No Added Cost

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 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.

JDLINK Ultimate Satellite - 5 Years	170J	\$1,936.00
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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 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.

▼ GRADE CONTROL

Description	Code	Price
Topcon Grade Control Base Kit Installed	2500	\$7,497.01

Factory installed and includes additional brackets and wiring harnesses that further enhances and simplifies the addition of a Topcon grade control system. This also enables the Topcon 3D-MC2 Grade Control Systems to be ordered.

No Topcon or SmartGrade Grade Control Base Kit Installed	2575	No Added Cost
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Order for no blade control or Trimble or Leica Blade control field installations.
Requires No Topcon Radio Installation code 2775

▼ TOPCON GRADE CONTROL SYSTEM

Kit includes the following equivalent parts from Topcon 3DMC2 system:

Password, MC-R3 Full Auto
OAF Bundle, MC-R3 3DMC2
Kit, GX-60 GPS
Kit, Common 3D Dozer GPS
OEM, Antenna Config Kit
Kit, OEM MC2 Sensor
Assy, MC-R3 NO-OAF
Full Assembly and Final Calibration On Site

Description	Code	Price
No Topcon Radio Installation	2775	No Added Cost

▼ OPERATOR'S MANUAL AND DECALS

Description	Code	Price
English Operator Manual	2605	No Added Cost
Spanish Operator Manual	2610	No Added Cost
French Operator Manual	2615	No Added Cost
Russian Operator Manual	2620	No Added Cost

Optional - *Select as desired*

▼ COLD START PACKAGES

Description	Code	Price
Ether Start Aid	9015	\$343.00

Recommended for use below 32 degrees F, 0 degrees C

▼ ENGINE

Description	Code	Price
Fuel Lines and Fittings, Severe Duty	9060	\$531.00

Requires code 0940.

Chrome Exhaust	9065	\$136.00
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Quick Service Bank for Transmission, Hydraulic, Engine oil & Engine Coolant Fluid changes	9075	\$508.00
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Remote Service Bank is inside engine compartment and includes Industry Standard Quick Disconnect Couplers.

Engine Block Coolant Heater (120 V)	9530	\$141.00
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Fast-Fuel System	9085	\$2,153.00
Fast-fuel Shaw system compatible with Wiggins components		
Engine Block Coolant Heater (220 V)	9532	\$150.00
BLADE		
Description	Code	Price
U Blade Cutting Edges, HD	9219	\$2,289.00
Requires code 7047 or 7049.		
Semi-U Blade Cutting Edges, HD	9218	\$2,242.00
Requires code 7048, 7050 or 7051.		
Blade End Bits, Cast	9217	\$1,404.00
Blade End Bits, HD	9215	\$1,398.00
HYDRAULIC CONTROLS		
Description	Code	Price
Hydraulic Winch Ready Kit with Mounting Plate and Rear Screen	9456	\$9,445.00
Requires code 7736. Can't be ordered with code 9185, 9186 or 9187.		
Power Pitch with Programmable Return to Pitch Settings	9035	\$15,177.00
Requires codes 7725 or 7780.		
LIGHTING		
Description	Code	Price
Deluxe LED Light Package (10 Total)	9168	\$3,479.00
Beacon Light	9521	\$289.00
(6) LED Work Lights	9166	\$2,889.00
License Plate Bracket and Beacon Light	9520	\$619.00
RADIO		
Description	Code	Price
Premium Radio with Bluetooth	9501	\$1,095.00
WASHER AND WIPER		
Description	Code	Price
HVAC Powered Precleaner	9335	\$1,030.00
MISCELLANEOUS		
Description	Code	Price
Rear Storage Compartment (Dog House)	9510	\$5,020.00

Requires code 1070 Waste Handler Package.
Includes integral rear striker bars and mounting location for fire suppression.



RIPPER

Description	Code	Price
Ripper, 3 Shank	9187	\$67,075.00

Requires code 7780.

Ripper, Single Shank	9185	\$42,541.00
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Requires code 7780.
Pin Puller and external hydraulics are included when ordered with code 9186.

Ripper, Single Shank, Hydraulic Pin Puller	9186	\$1,577.00
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Factory installed internal hydraulic plumbing for hydraulic pin puller option. Prepares tractor for installation of single shank ripper with hydraulic pin puller.



RUST PROTECTION

Description	Code	Price
Non-Export Rust Preventive Coating	9909	\$148.00

Coating protects exposed unpainted surfaces from road salt during shipment.



COUNTERWEIGHT

Description	Code	Price
Rear Counterweight	9250	\$14,416.00

2230 kg. (4924 lbs.)
Not for use with code 9185, 9187 or 9456.



HITCHES

Description	Code	Price
Retrieval Hitch	9340	\$560.00

Requires code 9250.



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.johndeereotechinfo.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
Cold Start		

Diesel Fuel-Fired Engine Coolant Heater Kit	AT447475	\$5,075.00
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Requires FT4 engine code 0940.

<u>Frame Attachment</u>		
Front Striker Bar Field Kit for Waste Handler	AT456104	\$3,720.00
Hydraulic Pin Puller for Single Shank Ripper	AT429618	\$4,952.00
Requires code 9185.		
Rear Counterweight - 4921 lbs. (2232 kg.)	AT448135	\$14,070.00
Ripper, 3 Shank	AT444164	\$67,075.00
Single Shank Ripper with Pin Puller	AT444162	\$46,457.00
Single Shank Ripper without Pin Puller	AT444163	\$41,505.00
Waste Handler Rear Striker Field Kit for use with Ripper	BYT10799	\$546.00
<u>Grade Control</u>		
Leica Grade Control Interface Package, Paladin- Installed for Cab or Canopy	AT419404	\$7,953.00
Trimble Grade Control Interface Package, Paladin- Installed for Cab or Canopy	AT419403	\$9,192.00
<u>Guards</u>		
Final Drive Trash Guard	AT414488	\$1,443.00
<u>Hydraulics</u>		
2-3 or 3-4 Section Valve Conversion Kit - Valve Only	AT429658	\$2,063.00
Requires AT438427 Joystick from service if not already equipped.		
3rd Section Aux Plumbing Field Kit	AT429771	\$1,101.00
Requires kit AT429658.		
4-5 Section Valve Conversion Kit - Valve Only	AT429681	\$2,018.00
Requires AT438427 Joystick from service if not already equipped.		
4th Section Aux Plumbing Field Kit	AT429780	\$754.00
Requires kit AT429658.		
Hydraulics for Rear Auxiliary Plumbing (5th Section Plumbing)	AT429786	\$673.00
Requires kit AT429681.		
Power Pitch External Field Kit - cylinders, plumbing from Power Pitch Valve to cylinders	AT429832	\$8,972.00
For use with Code 7047, 7048, 7049, 7050, 7051, 7052, or 7053 and AT429798.		
Power Pitch Internal Field Kit - PP Valve and plumbing to main control valve	AT429798	\$1,973.00
<u>Overall Vehicle</u>		
HVAC Box Field Kit	AT446499	\$2,574.00

HVAC Powered Precleaner Field Kit	AT446498	\$957.00
Quick Service	AT429671	\$807.00
<u>Powertrain</u>		
Fast Fuel Kit	AT429817	\$2,416.00
<u>Winches</u>		
Winch Mounting Plate	AT450142	\$5,280.00
Winch Pilot Plumbing	AT429657	\$159.00
<p>Required to add a winch on units built without code 9456. Also requires AT433254 Rear Screen Kit. If not built with codes 7735, 7765, 7780 or 7785, order AT429658 Aux Section Kit and AT429771 3rd Section Plumbing Kit.</p>		



REFERRAL ATTACHMENTS

Description	Code	Price
<u>G.r.mfg.</u>		
Front Enclosure, Cab	AT433253	\$2,680.00
Full Enclosure, Cab	AT433256	\$12,846.00
Limb Riser, Cab	AT433257	\$6,630.00
Rear Screen, Cab	AT433254	\$1,631.00
Side Screens, Cab	AT433255	\$1,926.00
<u>Paccar Winch Div</u>		
H140 Hydraulic Winch	AT446947	\$49,500.00

For production:
For units equipped with Code 9456
Hydraulic Winch Ready which includes Auxiliary Valve Section, Rear Aux Plumbing, Winch Pilot Plumbing, Rear Screen, and Winch Plate
For field updates:
If built with 7725, 7735, or 7765 will require purchase of AT477007 3-Spool Winch Valve (service part)
If built with 7780 or 7785 requires purchase of service part AT477008 4-Spool Winch Valve (service part)
If not built with Code 9456, then order AT429657 Winch Pilot Plumbing Field Kit and AT450142 Winch Mounting Plate Field Kit
Complete installation requires:
-Rear screen, AT433254 field kit.
-Winch Mounting Plate, AT450142 field kit
-Winch Pilot Plumbing, AT429657 field kit
-Updated winch specific valve, AT477007 (3-spool) or AT477008 (4-spool) winch valve
-AT438427 joystick from parts
-T350434 (decal)
-19M7868 (4 ea. capscrews)
-Winch specifications, Consult with PACCAR for specific recommendations
-Wire rope & hook assembly. Consult with PACCAR for wire rope recommendations
-Winch Gear Oil. Consult winch Service Manual for winch gear oil requirements
-Additional tractor hydraulic oil
Average installation time 5 hours.

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