

**AGRICULTURAL PRODUCTS
JOHN DEERE TRACTORS**

**5090E Utility Tractor
Equipment for Base Machine**

ENGINE:

90 (67.1 kW) 97/68/EC Engine Horsepower @ 2400 RPM*
 75 (55.6 kW) PTO Horsepower @ 2400 RPM*
 4 Cylinder Turbocharged John Deere PowerTech PWL
 Diesel Engine
 EPA Final Tier 4 Emissions Compliant
 276 C.I.D. (4.5 L) High Pressure Common Rail
 Oil Cooler
 Dry Type Air Cleaner with Safety Element
 Underhood Muffler with Vertical Exhaust Stack
 Anti-Freeze
 Water Separator Bowl
 Hand and Foot Throttle
 Key Engine Shut Off
 Fan Finger Guard
 Fuel Cooler
 30 U.S. Gallon (113.6 L) Fuel Tank Capacity
 2.5 U.S. Gallon (9.5 L) DEF Tank Capacity

TRANSMISSION:

PowrReverser Transmission
 LH Electrohydraulic (EH) Directional Reverser
 Integrated Park Position
 Differential Lock
 Neutral Start Safety Switch
 Wet Traction Clutch

FRONT AXLE AND TIRES:

Mechanical Front Wheel Drive (4 Wheel Drive) Front
 Axle
 Electro-hydraulic MFWD Engagement
 Planetary Final Drives
 8-Position Steel Front Wheels

REAR AXLE AND TIRES:

Flanged Rear Axle
 Planetary Final Drives
 8-Position Steel Rear Wheels

STEERING AND BRAKES:

Hydrostatic Power Steering
 Hydraulic Wet Disk Brakes
 Self-Equalizing and Self-Adjusting
 Dual Stage Brakes

HYDRAULICS:

Open Center Hydraulic System
 Tandem Gear Pump 22.5 GPM (85.1 LPM) Maximum Total
 Flow
 Steering Pump 6.6 GPM (24.9 LPM)
 Implement Pump 15.9 GPM (60.1 LPM)
 Hydraulic Oil Cooler
 Dual Rear SCV Control Valve

POWER TAKE-OFF SHAFT:

Independent 540 RPM/540E
 Rear PTO Shaft

Electro-hydraulic PTO engagement @ 2400 Rated
 Engine RPM
 Economy PTO setting for 540 PTO RPM @ 1716 Engine
 RPM
 Wet PTO Clutch
 Operator Presence Safety
 Warning - PTO
 Safety Start Switch
 Flip Up PTO Shield

ROCKSHAFT, HITCH AND DRAWBAR:

Telescopic Draft Links with Category II Balls
 Adjustable Sway Bars
 Adjustable Straight Drawbar
 Top Link Draft Sensing

INSTRUMENTATION:

LCD Instrument Cluster
 Electric Fuel Gauge
 Electric DEF Gauge
 Tachometer
 Hour Meter
 Oil Pressure Indicator Light
 Coolant Temperature Gauge
 Alternator Indicator Light
 Air Restriction Indicator Light
 Turn Signal Indicator Light
 High Beam Indicator Light
 PTO Engagement Indicator Light
 MFWD Engagement Indicator Light

ELECTRICAL:

12-Volt Electrical System
 One Battery - 950 CCA** with 180 Minute Reserve
 Capacity
 7-Pin ASAE Outlet Socket
 90 Amp Alternator

LIGHTS:

Two Front Halogen Headlights
 Two Turn/Warning Lights
 Single Rear Work Light

MISCELLANEOUS:

SMV Emblem
 Tilt-Up Hood
 Side-Mounted Toolbox

* Manufacturer's Rating

** Cold Cranking Amps

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

EX-WORKS Augusta, Georgia; Baltimore, Maryland; Benicia, California; Galveston, Texas; Brunswick, Georgia; Port Hueneme, California; Tacoma, Washington

AGRICULTURAL PRODUCTS
JOHN DEERE TRACTORS

5090E Utility Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
08A0LV		BASE MACHINE ...Continued... 5090E Utility Tractor	54,203.00
OPERATOR'S MANUAL			
0409		English Operators Manual and Decal Kit	No Added Cost
0413		French Operators Manual and Decal Kit	No Added Cost
0437		Spanish Operators Manual and Decal Kit	No Added Cost
TRANSMISSION			
1381		12F/12R PowrReverser Transmission - 540/540E	In Base Price
1383		24F/12R PowrReverser Transmission - 540/540E	1,595.00
OPERATOR'S STATION			
2000		Open Operator Station <i>Fixed Open Operator Station</i> <i>Tilt/ Telescopic Steering Column</i> <i>2 post Foldable Roll- Over Protection Structure (ROPS)</i> <i>Adjustable seat with Armrests and seatbelt</i> <i>Speedometer</i> <i>Cup Holder</i> <i>Deluxe Floor Mat</i> <i>Plexiglass Debris / Air Deflectors with Grab Handles</i>	In Base Price
2050		Standard Cab <i>Left Side Door</i> <i>Air Conditioning</i> <i>Tilt and Telescopic Steering Column</i> <i>Cup Holders</i> <i>Radio/CD Ready (Antenna Cable, Two Speakers, and Wiring Harness)</i> <i>Front Windshield Wiper</i> <i>120 Amp Alternator</i> <i>Two Front Halogen Headlights</i> <i>Six Turn/Warning Lights</i> <i>Two Rear Work Lights</i> <i>Two Front Work Lights</i>	9,866.00
SEAT			
2110		Mechanical Suspension Seat <i>Available on OOS and Cab Tractors.</i>	In Base Price
2120		Air Suspension Seat <i>Available on Cab Tractors only.</i>	768.00
EXHAUST			
3020		Vertical Exhaust <i>Available on Open Operator Station Tractors only.</i>	In Base Price
3025		Deluxe Cornerpost Exhaust <i>Available on Cab Tractors only.</i>	544.00

AGRICULTURAL PRODUCTS
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5090E Utility Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
REAR SELECTIVE CONTROL VALVES			
3320		Dual Stackable Rear SCV's with Lever Control	In Base Price
3330		Triple Stackable Rear Deluxe SCV's with Lever Control <i>Features:</i> - Three selectable detent positions on #1 valve (auto kickout, continuous flow, or no detent) - Float position on EACH valve - Flow priority to #1 valve - Pressure compensated flow control for running hydraulic motors on #1 valve.	924.00
MID SELECTIVE CONTROL VALVES			
3400		Less Mid Valves <i>Recommended for applications WITHOUT front loaders. Can later be upgraded for front loader and/or other hydraulic applications using field-installed attachments.</i>	In Base Price
3420		Dual Stackable Mid Valves with Joystick Control <i>Recommended for applications WITH front loaders.</i>	1,344.00
REAR WHEELS AND TIRES			
5121		16.9 - 30 In. 6PR R1 Bias <i>Requires Code 6111.</i>	-423.00
5911		18.4 - 30 In. 8PR R1 Bias <i>Requires Code 6701.</i>	In Base Price
5914		19.5L - 24 In. 10PR R4 Bias <i>Requires Code 6114.</i>	-445.00
5133		460/85R30 (18.4R30) R1W Radial <i>Requires code 6203 (Firestone).</i>	1,723.00
5180		420/85R30 (16.9R30) R1W Radial <i>Requires code 6180 (Firestone).</i>	1,636.00
FRONT WHEELS AND TIRES			
<i>See Loader Section of the Sales Manual for Front Tire/Loader Compatibility Information.</i>			
6111		11.2 - 24 In. 6PR R1 Bias	-303.00
6114		12.5/80 - 18 In. 6PR I3 (R4 Type) Bias	-801.00
6701		12.4 - 24 In. 8PR R1 Bias	In Base Price
6203		320/85R24 (12.4R24) R1W Radial <i>Firestone Brand</i>	875.00
6180		280/85R24 (11.2R24) R1W Radial <i>Firestone Brand</i>	764.00
FRONT AXLE			
6040		MFWD (4 Wheel Drive)	In Base Price

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5090E Utility Tractor

Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
FRONT AXLE ...Continued...			
FRONT LOADER PREPARATION PACKAGES			
8912		Loader Preparation Package <i>Hydraulic hoses and hydraulic connections still need to be ordered with loader. Loader Preparation Package only compatible with 520M and 540M loaders (previously the H240 and H260). Includes loader mounting frames and hood guard.</i>	1,800.00
ATTACHMENTS FOR FIELD CONVERSION			
Accessories			
	RE574454	38.1-mm (1.5-in.) ball mount and socket arm	58.57
	PF80459	Bracket, Arm, RAM Double Socket	28.49
	PF80460	Mount - RAM U-Bolt	62.39
	RE558821	Mounting Ball Stud	19.64
	AL212683	Mounting Parts - Display Mount RAM	136.97
	UC17356	RAM Mount Vesa Bracket 1.5	110.00
	RE19428	Safety Chain Support Kit	164.83
	AL203265	Service Horn	43.88
		Alternator	
	RE554568	120 Amp Alternator	638.01
		Backup Alarm	
	RE229427	Backup alarm kit	176.00
		Beacon Lighting	
	RE244176	Beacon Light Kit <i>Open Operator Station only. (Code 2000 and 2005).</i>	284.85
		Cab Instructional Seat	
	BSJ10125	Instructional Seat Kit, CAB only	666.60
		Cab Operator's Station	
	BXE10864	12" Tablet Holder Kit (Ipad Pro™)	212.30
	RE343680	Accessory Mounting Bracket	55.81
	AH104259	Ash Tray <i>Cab only.</i>	95.06

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5090E Utility Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		ATTACHMENTS FOR FIELD CONVERSION ...Continued...	
	BRE10015	Cell Phone Mount Kit	71.50
	BXE10606	Cell Phone Suction Cup Kit	68.20
	AR60937	Cigarette Lighter	15.18
	RE68495	Power Strip with Six Outlets	53.50
	SJ16226	Rear Wiper Kit	275.00
	BSJ10264	Right Hand Door Kit (CAB ONLY)	315.70
	AL71345	Security Door Lock Kit	220.00
	BRE10152	Self - Leveling Cup Holder	68.20
	BRE10255	Tablet Mount Kit	97.90
	BXE10607	X-Grip Tablet Dual Suction Cup Kit for Tablets	196.90
		Center Link	
	T12553	Center Link Conversion Bushing, Cat. II to Cat. I <i>One required.</i>	19.25
		Cold Weather Packages	
	DZ102076	Engine Block Heater (120V)	130.27
		Draft Link	
	R66432	Draft Link Conversion Bushing, Cat. II to Cat. I <i>Two required.</i>	22.54
		Drawbar	
	RE242110	Drawbar - Hammerstrap and Chain Clevis Kit <i>For use on 5045D, 5045E, 5055D, 5055E, 5065E, 5075E, 5200, 5300, 5400, 5500, 5603, 5210, 5310, 5310N, 5410, 5510, 5105, 5205, 5083E, 5083EN, 5093E, 5093EN, 5101E, 5101EN, 5220, 5320, 5320N, 5420, 5420N, 5520, 5520N, 5225, 5325, 5425, 5525, 5325N, 5425N, 5525N tractors.</i>	154.00
	R133359	Drawbar - Offset	226.34
	RE39830	Drawbar Clevis Kit (Hammer Strap) - Offset Drawbar	327.66
		Exhaust	
	BSJ10278	Horizontal Side Exhaust <i>5085E and 5100E Only.</i>	2,490.40

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Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
ATTACHMENTS FOR FIELD CONVERSION ...Continued...			
		Front Fenders	
AL180328		Front Fenders 320 mm (12.6 In.) Wide (MFWD) <i>Recommended for use with 8.3-24 and 9.5-24 In. Tires. Requires Mounting Bracket and Hardware Kit (LVB25776) ordered separately. Not compatible with Loaders or HI-CROP Tractors.</i>	109.55
AL180330		Front Fenders 370 mm (14.6 In.) Wide (MFWD) <i>Recommended for use with 12.5/80-18, 11.2-24 and 12.4-24 In. Tires. Requires Mounting Bracket and Hardware Kit (LVB25776) ordered separately. Not Compatible with Loaders.</i>	123.11
AL180327		Front Fenders 420 mm (16.5 In.) Wide (MFWD) <i>Recommended for use with 13.6-24 In. Tires. Requires Mounting Brackets and Hardware Kit (LVB25776) ordered separately. Not compatible with Loaders or HI-CROP Tractors.</i>	140.11
		Front Weights	
R262449		Front Weight Support, 55kg (121 lb) <i>Requires (4) 19M8100 Cap Screws and (4) 24M7242 Washers, ordered separately.</i>	470.21
R127764		Weight, front suitcase 43 kg (95 lb) quantity of one	134.20
		Hood Guards	
BW16765		Hood Guard	466.40
		Hydraulics	
BSJ10194		Power Beyond Coupler Kit for 5E 4 Cylinder FT4 Tractors <i>Requires, at least, two rear Hydraulic Control Valves. For Hydraulic Motor Applications. Order Code 3330 or BSJ10110 Triple Rear Deluxe Hydraulic Control Valve with Pressure Compensated Flow Control is Recommended. Order Separately.</i>	508.20
		Lighting	
BSJ10163		Floodlamp/Work Lights, LED, (4 Lights) <i>Cab Only. Use for Front or Rear. Compatible with 5085E, 5100E, 5085M, 5075M, 5090M, 5100M, 5115M, 5100MH CAB Models.</i>	478.50
BSJ10325		LED HEADLIGHTS	311.30
BSJ10478		LED ROPS mounted rear work lights	238.70
LVB25547		Single Rear Auxiliary Rear Work Light Kit <i>Open Station Only.</i>	69.30
		Mid Selective Control Valves	
BSJ10105		3rd Function Mid Hydraulic Control Valve Kit (Converting Dual Mid to Triple Mid) <i>Only for tractors already equipped with Dual Mid Hydraulics. Fits all FT4 5E 4 Cyl. Tractors that already have dual mid SCVs installed.</i>	1,964.60
BSJ10109		Dual Mid Hydraulic Control Valve Kit with Joystick Control <i>Recommended for applications WITH Front Loaders.</i>	1,535.60

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Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
ATTACHMENTS FOR FIELD CONVERSION ...Continued...			
		Mirrors	
AL80126		Rear Mirror Mechanical - Left <i>Cab Compatible Only.</i>	194.70
AL80127		Rear Mirror Mechanical - Right <i>Cab Compatible Only.</i>	194.70
RE244177		Rear View Mirror Mounting Kit OOS <i>Requires AL80127 and/or AL80126. OOS Only. Kit contains support plates and hardware for one rear view mirror. Mirror not included.</i>	39.09
		Open Operator's Station	
LVB25334		Canopy - Standard <i>Requires LVB25783 Canopy Mounting Bracket and Hardware Kit ordered separately.</i>	490.60
		Radio	
AL222926		Antenna <i>All 5E Series Cab Tractors are "Radio Ready", including Radio Wiring Harness and Speakers as Standard Equipment. Requires Radio Ordered Separately.</i>	118.16
RE585531		Radio - AM/FM, Bosch (Standard) <i>Cab Only. (Not Satellite Capable)</i>	417.25
		Rear Fenders	
BSJ10044		Rear Fender Extension Kit without Work Lights <i>Open Station Tractors only.</i>	365.20
BW15741		Stationary fenders (QuikTach™) <i>For Tractors with Loader Installed.</i>	638.00
		Rear Selective Control Valves	
BSJ10110		3rd Rear SCV (Upgrade from 2 rear SCV) <i>For use with Tractors ALREADY equipped with Dual Rear Valves. Stackable design adds 3rd Function to existing Dual valves. Features: - Selectable detent position remains on first valve (auto kickout, continuous flow, or no detent) - Flow priority to #1 valve - Pressure compensated flow control for running hydraulic motors on #1 valve</i>	1,054.90
		Rear Wheel Weights	
SU57513		Weight, Rear Wheel - 150 kg (330lb) <i>Maximum of one per side Requires (4) 19M8486 screws, (4) 24M7241 washers and (4) 14M7276 nuts ordered separately</i>	513.70
R213907		Weight, rear wheel - 43.09 kg (95 lb) <i>Not compatible on wheels sized 24" or smaller. Maximum of 2 per wheel. Starter bolts not included in this kit. R183851 bolt, quantity 8, needed</i>	147.40

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5090E Utility Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
ATTACHMENTS FOR FIELD CONVERSION ...Continued...			
		Three-Point Hitch	
TY27545		Quik-Coupler, Economy, Category 2	597.90
		Transmission	
RE229422		PowrReverser™ Modulation Control Kit <i>For 12x12 PR Tractors Only.</i>	91.31
		Wheel Tread Width	
AL156778		Hub Extension 60mm, Front, Tread Adjustment <i>Fits MFWD and Rear Axles. Only for axles with 10.82 diameter bolt holes. Tread Setting Should Not exceed 80 In. for Maximum Load Applications.</i>	757.90
L154683		Rear Axle 1.2 in. Extension (30 mm) <i>Two required. Requires (16) 19M9364 Cap Screws (8 per Extension), Ordered Separately.</i>	267.57
L154682		Rear Axle 1.6 in. Extension (40 mm) <i>Two required. Requires (16) 19M8979 Cap Screws (8 per Extension), Ordered Separately.</i>	290.37
L154684		Rear Axle 4.4 in. Extension (111 mm) <i>Two required. Requires (16) 19M9365 Cap Screws (8 per Extension), Ordered Separately.</i>	442.90

**AGRICULTURAL PRODUCTS
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**5100E Utility Tractor
Equipment for Base Machine**

ENGINE:

100 (74.6 kW) 97/68/EC Engine Horsepower @ 2400 RPM*
85 (62.5 kW) PTO Horsepower @ 2400 RPM*
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Oil Cooler
Dry Type Air Cleaner with Safety Element
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Anti-Freeze
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Integrated Park Position
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(4 Wheel Drive) Front Axle
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(85.1 LPM) Maximum Total Flow
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Economy PTO setting for 540 PTO RPM @ 1716 Engine RPM
Wet PTO Clutch
Operator Presence Safety Warning - PTO
Safety Start Switch
Flip Up PTO Shield

ROCKSHAFT, HITCH AND DRAWBAR:

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Adjustable Sway Chains
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INSTRUMENTATION:

LCD Instrument Cluster
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Electric DEF Gauge
Tachometer
Hour Meter
Oil Pressure Indicator Light
Coolant Temperature Gauge
Alternator Indicator Light
Air Restriction Indicator Light
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High Beam Indicator Light
PTO Engagement Indicator Light
MFWD Engagement Indicator Light

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12-Volt Electrical System
One Battery - 950 CCA** with 180 Minute Reserve Capacity
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SMV Emblem
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Side-Mounted Toolbox

* Manufacturer's Rating

** Cold Cranking Amps

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697BLV

5100E Utility Tractor

56,498.00

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5100E Utility Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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2050		Standard Cab <i>Left Side Door Air Conditioning Tilt and Telescopic Steering Column Cup Holders Radio/CD Ready (Antenna Cable, Two Speakers, and Wiring Harness) Front Windshield Wiper 120 Amp Alternator Two Front Halogen Headlights Six Turn/Warning Lights Two Rear Work Lights Two Front Work Lights</i>	9,866.00
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FRONT AXLE			
6040		MFWD (4 Wheel Drive)	In Base Price

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5100E Utility Tractor
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	BRE10152	Self - Leveling Cup Holder	68.20
	BRE10255	Tablet Mount Kit	97.90
	BXE10607	X-Grip Tablet Dual Suction Cup Kit for Tablets	196.90
		Center Link	
	T12553	Center Link Conversion Bushing, Cat. II to Cat. I <i>One required.</i>	19.25
		Cold Weather Packages	
	DZ102076	Engine Block Heater (120V)	130.27
		Draft Link	
	R66432	Draft Link Conversion Bushing, Cat. II to Cat. I <i>Two required.</i>	22.54
		Drawbar	
	RE242110	Drawbar - Hammerstrap and Chain Clevis Kit <i>For use on 5045D, 5045E, 5055D, 5055E, 5065E, 5075E, 5200, 5300, 5400, 5500, 5603, 5210, 5310, 5310N, 5410, 5510, 5105, 5205, 5083E, 5083EN, 5093E, 5093EN, 5101E, 5101EN, 5220, 5320, 5320N, 5420, 5420N, 5520, 5520N, 5225, 5325, 5425, 5525, 5325N, 5425N, 5525N tractors.</i>	154.00
	R133359	Drawbar - Offset	226.34
	RE39830	Drawbar Clevis Kit (Hammer Strap) - Offset Drawbar	327.66
		Exhaust	
	BSJ10278	Horizontal Side Exhaust <i>5085E and 5100E Only.</i>	2,490.40

AGRICULTURAL PRODUCTS
JOHN DEERE TRACTORS

5100E Utility Tractor

Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
ATTACHMENTS FOR FIELD CONVERSION ...Continued...			
		Front Fenders	
AL180328		Front Fenders 320 mm (12.6 In.) Wide (MFWD) <i>Recommended for use with 8.3-24 and 9.5-24 In. Tires. Requires Mounting Bracket and Hardware Kit (LVB25776) ordered separately. Not compatible with Loaders or HI-CROP Tractors.</i>	109.55
AL180330		Front Fenders 370 mm (14.6 In.) Wide (MFWD) <i>Recommended for use with 12.5/80-18, 11.2-24 and 12.4-24 In. Tires. Requires Mounting Bracket and Hardware Kit (LVB25776) ordered separately. Not Compatible with Loaders.</i>	123.11
AL180327		Front Fenders 420 mm (16.5 In.) Wide (MFWD) <i>Recommended for use with 13.6-24 In. Tires. Requires Mounting Brackets and Hardware Kit (LVB25776) ordered separately. Not compatible with Loaders or HI-CROP Tractors.</i>	140.11
		Front Weights	
R262449		Front Weight Support, 55kg (121 lb) <i>Requires (4) 19M8100 Cap Screws and (4) 24M7242 Washers, ordered separately.</i>	470.21
R127764		Weight, front suitcase 43 kg (95 lb) quantity of one	134.20
		Hood Guards	
BW16765		Hood Guard	466.40
		Hydraulics	
BSJ10194		Power Beyond Coupler Kit for 5E 4 Cylinder FT4 Tractors <i>Requires, at least, two rear Hydraulic Control Valves. For Hydraulic Motor Applications. Order Code 3330 or BSJ10110 Triple Rear Deluxe Hydraulic Control Valve with Pressure Compensated Flow Control is Recommended. Order Separately.</i>	508.20
		Lighting	
BSJ10163		Floodlamp/Work Lights, LED, (4 Lights) <i>Cab Only. Use for Front or Rear. Compatible with 5085E, 5100E, 5085M, 5075M, 5090M, 5100M, 5115M, 5100MH CAB Models.</i>	478.50
BSJ10325		LED HEADLIGHTS	311.30
BSJ10478		LED ROPS mounted rear work lights	238.70
LVB25547		Single Rear Auxiliary Rear Work Light Kit <i>Open Station Only.</i>	69.30
		Mid Selective Control Valves	
BSJ10105		3rd Function Mid Hydraulic Control Valve Kit (Converting Dual Mid to Triple Mid) <i>Only for tractors already equipped with Dual Mid Hydraulics. Fits all FT4 5E 4 Cyl. Tractors that already have dual mid SCVs installed.</i>	1,964.60
BSJ10109		Dual Mid Hydraulic Control Valve Kit with Joystick Control <i>Recommended for applications WITH Front Loaders.</i>	1,535.60

AGRICULTURAL PRODUCTS
JOHN DEERE TRACTORS

5100E Utility Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
ATTACHMENTS FOR FIELD CONVERSION ...Continued...			
		Mirrors	
AL80126		Rear Mirror Mechanical - Left <i>Cab Compatible Only.</i>	194.70
AL80127		Rear Mirror Mechanical - Right <i>Cab Compatible Only.</i>	194.70
RE244177		Rear View Mirror Mounting Kit OOS <i>Requires AL80127 and/or AL80126. OOS Only. Kit contains support plates and hardware for one rear view mirror. Mirror not included.</i>	39.09
		Open Operator's Station	
LVB25334		Canopy - Standard <i>Requires LVB25783 Canopy Mounting Bracket and Hardware Kit ordered separately.</i>	490.60
		Radio	
AL222926		Antenna <i>All 5E Series Cab Tractors are "Radio Ready", including Radio Wiring Harness and Speakers as Standard Equipment. Requires Radio Ordered Separately.</i>	118.16
RE585531		Radio - AM/FM, Bosch (Standard) <i>Cab Only. (Not Satellite Capable)</i>	417.25
		Rear Fenders	
BSJ10044		Rear Fender Extension Kit without Work Lights <i>Open Station Tractors only.</i>	365.20
BW15741		Stationary fenders (QuikTach™) <i>For Tractors with Loader Installed.</i>	638.00
		Rear Selective Control Valves	
BSJ10110		3rd Rear SCV (Upgrade from 2 rear SCV) <i>For use with Tractors ALREADY equipped with Dual Rear Valves. Stackable design adds 3rd Function to existing Dual valves. Features: - Selectable detent position remains on first valve (auto kickout, continuous flow, or no detent) - Flow priority to #1 valve - Pressure compensated flow control for running hydraulic motors on #1 valve</i>	1,054.90
		Rear Wheel Weights	
SU57513		Weight, Rear Wheel - 150 kg (330lb) <i>Maximum of one per side Requires (4) 19M8486 screws, (4) 24M7241 washers and (4) 14M7276 nuts ordered separately</i>	513.70
R213907		Weight, rear wheel - 43.09 kg (95 lb) <i>Not compatible on wheels sized 24" or smaller. Maximum of 2 per wheel. Starter bolts not included in this kit. R183851 bolt, quantity 8, needed</i>	147.40

AGRICULTURAL PRODUCTS
JOHN DEERE TRACTORS

5100E Utility Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
ATTACHMENTS FOR FIELD CONVERSION ...Continued...			
		Three-Point Hitch	
TY27545		Quik-Coupler, Economy, Category 2	597.90
		Transmission	
RE229422		PowrReverser™ Modulation Control Kit <i>For 12x12 PR Tractors Only.</i>	91.31
		Wheel Tread Width	
AL156778		Hub Extension 60mm, Front, Tread Adjustment <i>Fits MFWD and Rear Axles. Only for axles with 10.82 diameter bolt holes. Tread Setting Should Not exceed 80 In. for Maximum Load Applications.</i>	757.90
L154683		Rear Axle 1.2 in. Extension (30 mm) <i>Two required. Requires (16) 19M9364 Cap Screws (8 per Extension), Ordered Separately.</i>	267.57
L154682		Rear Axle 1.6 in. Extension (40 mm) <i>Two required. Requires (16) 19M8979 Cap Screws (8 per Extension), Ordered Separately.</i>	290.37
L154684		Rear Axle 4.4 in. Extension (111 mm) <i>Two required. Requires (16) 19M9365 Cap Screws (8 per Extension), Ordered Separately.</i>	442.90

**AGRICULTURAL PRODUCTS
JOHN DEERE TRACTORS**

**5090EL Specialty Tractor
Equipment for Base Machine**

ENGINE:

90 (67.1 kW) 97/68/EC Engine Horsepower @ 2400 RPM*
75 (55.6 kW) PTO Horsepower @ 2400 RPM*
4 Cylinder Turbocharged John Deere PowerTech PWL Diesel Engine
EPA Final Tier 4 Emissions Compliant
276 C.I.D. (4.5 L) High Pressure Common Rail Oil Cooler
Dry Type Air Cleaner with Safety Element
Anti-Freeze
Water Separator Bowl
Hand and Foot Throttle
Key Engine Shut Off
Fan Finger Guard
Fuel Cooler
30 U.S. Gallon (113.6 L) Fuel Tank Capacity
2.5 U.S. Gallon (9.5 L) DEF Tank Capacity

TRANSMISSION:

PowerReverser Transmission
LH Electrohydraulic (EH) Directional Reverser
Integrated Park Position
Differential Lock
Neutral Start Safety Switch
Wet Traction Clutch

FRONT AXLE AND TIRES:

Mechanical Front Wheel Drive (4 Wheel Drive) Front Axle
Electro-hydraulic MFWD Engagement
Planetary Final Drives
8-Position Steel Front Wheels

REAR AXLE AND TIRES:

Flanged Rear Axle
Planetary Final Drives
8-Position Steel Rear Wheels

STEERING AND BRAKES:

Hydrostatic Power Steering
Hydraulic Wet Disk, Dual Stage Brakes
Self-Equalizing and Self-Adjusting

HYDRAULICS:

Open Center Hydraulic System
Tandem Gear Pump 22.5 GPM (85.1 LPM) Maximum Total Flow
Steering Pump 6.6 GPM (24.9 LPM)
Implement Pump 15.9 GPM (60.1 LPM)
Hydraulic Oil Cooler
Dual Rear SCV Control Valve

POWER TAKE-OFF SHAFT:

Independent 540 RPM/540E

Rear PTO Shaft

Electro-hydraulic PTO engagement @ 2400 Rated Engine RPM
Economy PTO setting for 540 PTO RPM @ 1716 Engine RPM
Wet PTO Clutch
Operator Presence Safety
Warning - PTO
Safety Start Switch
Flip Up PTO Shield

ROCKSHAFT, HITCH AND DRAWBAR:

Telescopic Draft Links with Category II Balls
Adjustable Sway Bars
Adjustable Straight Drawbar
Top Link Draft Sensing

INSTRUMENTATION:

LCD Instrument Cluster
Electric Fuel Gauge
Electric DEF Gauge
Tachometer
Hour Meter
Oil Pressure Indicator Light
Coolant Temperature Gauge
Alternator Indicator Light
Air Restriction Indicator Light
Turn Signal Indicator Light
High Beam Indicator Light
PTO Engagement Indicator Light
MFWD Engagement Indicator Light

ELECTRICAL:

12-Volt Electrical System
One Battery - 950 CCA** with 180 Minute Reserve Capacity
7-Pin ASAE Outlet Socket
90 Amp Alternator

LIGHTS:

Two Front Halogen Headlights
Two Turn/Warning Lights
Single Rear Work Light

MISCELLANEOUS:

SMV Emblem
Tilt-Up Hood

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

08E0LV	5090EL Specialty Tractor	56,447.00
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OPERATOR'S MANUAL

0409	English Operators Manual and Decal Kit	In Base Price
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AGRICULTURAL PRODUCTS
JOHN DEERE TRACTORS

5090EL Specialty Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
0413		OPERATOR'S MANUAL ...Continued... French Operators Manual and Decal Kit	No Added Cost
0437		Spanish Operators Manual and Decal Kit	No Added Cost
TRANSMISSION			
1381		12F/12R PowrReverser Transmission - 540/540E	In Base Price
1383		24F/12R PowrReverser Transmission 540/540E	1,595.00
OPERATOR'S STATION			
2000		Fixed Open Operator Station <i>Tilt/ Telescopic Steering Column</i> <i>2 post Foldable Roll- Over Protection Structure (ROPS)</i> <i>Speedometer</i> <i>Cup Holder</i> <i>Deluxe Floor Mat</i> <i>Plexiglass Debris / Air Deflectors with Grab Handles</i>	In Base Price
SEAT			
2110		Mechanical Suspension Seat <i>Features 15 degree swivel</i>	In Base Price
EXHAUST			
3010		Horizontal Side Exhaust	In Base Price
REAR SELECTIVE CONTROL VALVES			
3320		Dual Stackable Rear SCV's with Lever Control	In Base Price
3330		Triple Stackable Rear SCV's with Lever Control <i>Features:</i> <i>- Three selectable detent positions on #1 valve (auto kickout, continuous flow, or no detent)</i> <i>- Float position on EACH valve</i> <i>- Flow priority to #1 valve</i> <i>- Pressure compensated flow control for running hydraulic motors on #1 valve.</i>	924.00
MID SELECTIVE CONTROL VALVES			
3400		Less Mid Valves <i>Recommended for applications WITHOUT front loaders.</i> <i>Can later be upgraded for front loader and/or other hydraulic applications using field-installed attachments.</i>	In Base Price
3420		Dual Stackable Mid Valves with Joystick Control <i>Recommended for applications WITH front loaders.</i>	1,344.00
REAR WHEELS AND TIRES			
5121		16.9-30 In. 6PR R1 Bias <i>Requires Code 6111</i>	No Added Cost
5914		19.5L - 24 In. 10PR R4 Bias	In Base Price

AGRICULTURAL PRODUCTS
JOHN DEERE TRACTORS

5090EL Specialty Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
REAR WHEELS AND TIRES ...Continued...			
<i>Requires Code 6114</i>			
5175		480/65R24 R1 Radial <i>Requires Code 6175</i>	403.00
5180		420/85R30 (16.9R30) R1W Radial <i>Requires Code 6180</i>	2,081.00
FRONT WHEELS AND TIRES			
6111		11.2 - 24 In. 6PR R1 Bias	498.00
6114		12.5/80 - 18 In. 6PR I3 (R4 type) Bias	In Base Price
6175		12.5/80-18 10PR I3 Bias Titan	67.00
6180		280/85R24 (11.2R24) R1W Radial	1,565.00
FRONT AXLE			
6040		MFWD (4 Wheel Drive)	In Base Price
REAR FENDERS			
8022		Rear Fender Extensions <i>Adds an additional 8.8 inches (224mm) extension per fender</i>	261.00
8024		Rear Fender Extensions - Wide <i>Adds an additional 15.2 inches (385mm) extension per fender</i>	448.00
FRONT LOADER PREPARATION PACKAGES			
8912		Loader Preparation Package <i>Hydraulic hoses and hydraulic connections still need to be ordered with loader. Loader Preparation Package only compatible with 520M and 540M loaders. Includes loader mounting frames and hood guard.</i>	1,805.00
GUARDS			
8330		Guarding Package <i>Features guarding for fuel tank and steering line</i>	900.00
LIGHTING EQUIPMENT			
873A		Rear Work Lights - LED <i>Upgrades ROPS mounted rear work light from single Halogen to two LEDs</i>	191.00
ATTACHMENTS FOR FIELD CONVERSION			
		Accessories	
RE574454		38.1-mm (1.5-in.) ball mount and socket arm	58.57

AGRICULTURAL PRODUCTS
JOHN DEERE TRACTORS

5090EL Specialty Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		ATTACHMENTS FOR FIELD CONVERSION ...Continued...	
	PF80459	Bracket, Arm, RAM Double Socket	28.49
	PF80460	Mount - RAM U-Bolt	62.39
	RE558821	Mounting Ball Stud	19.64
	AL212683	Mounting Parts - Display Mount RAM	136.97
	UC17356	RAM Mount Vesa Bracket 1.5	110.00
	RE19428	Safety Chain Support Kit	164.83
		Alternator	
	RE554568	120 Amp Alternator	638.01
		Backup Alarm	
	RE229427	Backup alarm kit	176.00
		Center Link	
	T12553	Center Link Conversion Bushing, Cat. II to Cat. I <i>One required.</i>	19.25
		Draft Link	
	R66432	Draft Link Conversion Bushing, Cat. II to Cat. I <i>Two required.</i>	22.54
		Drawbar	
	R133359	Drawbar - Offset	226.34
	RE39830	Drawbar Clevis Kit (Hammer Strap) - Offset Drawbar	327.66
		Front Weights	
	R262449	Front Weight Support, 55kg (121 lb) <i>Requires (4) 19M8100 Cap Screws and (4) 24M7242 Washers, ordered separately.</i>	470.21
	R127764	Weight, front suitcase 43 kg (95 lb) quantity of one	134.20
		Fuel Tank	
	AL213203	Lockable Filler Cap Fuel Tank	34.06
	BSJ10477	Shield kit, Fuel Tank	161.70
		Hood Guards	
	BW16765	Hood Guard	466.40

AGRICULTURAL PRODUCTS
JOHN DEERE TRACTORS

5090EL Specialty Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
ATTACHMENTS FOR FIELD CONVERSION ...Continued...			
		Hydraulics	
BSJ10194		Power Beyond Coupler Kit for 5E 4 Cylinder FT4 Tractors <i>Requires, at least, two rear Hydraulic Control Valves. For Hydraulic Motor Applications, Order Code 3330 or BSJ10110 Triple Rear Deluxe Hydraulic Control Valve with Pressure Compensated Flow Control is Recommended. Order Separately.</i>	508.20
		Lighting	
BSJ10325		LED HEADLIGHTS	311.30
BSJ10478		LED ROPS mounted rear work lights	238.70
LVB25547		Single Rear Auxiliary Rear Work Light Kit	69.30
		Mid Selective Control Valves	
BSJ10105		3rd Function Mid Hydraulic Control Valve Kit (Converting Dual Mid to Triple Mid) <i>Only for tractors already equipped with Dual Mid Hydraulics. Fits all FT4 5E 4 Cyl. Tractors that already have dual mid SCVs installed.</i>	1,964.60
BSJ10109		Dual Mid Hydraulic Control Valve Kit with Joystick Control <i>Recommended for applications WITH Front Loaders. Must also order (1) SU54208 and (1) 19M7866</i>	1,535.60
		Rear Fenders	
BSJ10044		Rear Fender Extension Kit without Work Lights	365.20
		Rear Selective Control Valves	
BSJ10110		3rd Rear SCV (Upgrade from 2 rear SCV) <i>For use with Tractors ALREADY equipped with Dual Rear Valves. Stackable design adds 3rd Function to existing Dual valves. Features: - Selectable detent position remains on first valve (auto kickout, continuous flow, or no detent) - Flow priority to #1 valve - Pressure compensated flow control for running hydraulic motors on #1 valve</i>	1,054.90
		Rear Wheel Weights	
SU57513		Weight, Rear Wheel - 150 kg (330lb) <i>Maximum of one per side Requires (4) 19M8486 screws, (4) 24M7241 washers and (4) 14M7276 nuts ordered separately</i>	513.70
R213907		Weight, rear wheel - 43.09 kg (95 lb) <i>Not compatible on wheels sized 24" or smaller. Maximum of 2 per wheel. Starter bolts not included in this kit. R183851 bolt, quantity 8, needed</i>	147.40
		Three-Point Hitch	
TY27545		Quik-Coupler, Economy, Category 2	597.90

AGRICULTURAL PRODUCTS
JOHN DEERE TRACTORS

5090EL Specialty Tractor
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
ATTACHMENTS FOR FIELD CONVERSION ...Continued...			
		Transmission	
RE229422		PowrReverser™ Modulation Control Kit <i>For 12x12 PR Tractors Only.</i>	91.31
		Wheel Tread Width	
AL156778		Hub Extension 60mm, Front, Tread Adjustment <i>Fits MFWD and Rear Axles. Only for axles with 10.82 diameter bolt holes. Tread Setting Should Not exceed 80 In. for Maximum Load Applications.</i>	757.90
L154683		Rear Axle 1.2 in. Extension (30 mm) <i>Two required. Requires (16) 19M9364 Cap Screws (8 per Extension), Ordered Separately.</i>	267.57
L154682		Rear Axle 1.6 in. Extension (40 mm) <i>Two required. Requires (16) 19M8979 Cap Screws (8 per Extension), Ordered Separately.</i>	290.37
L154684		Rear Axle 4.4 in. Extension (111 mm) <i>Two required. Requires (16) 19M9365 Cap Screws (8 per Extension), Ordered Separately.</i>	442.90