

Prepared for: Mr. Jason Bennett, Director of Business Development, NC Sheriff's Association

2022 F-650 Diesel Crew Cab Base (W6D)

Price Level: 215

Client Proposal

Prepared by:
SPENCER WOOD
Office: 336-668-2401
Quote ID: NCSA29W6D3
Date: 08/29/2021



Prepared for: Mr. Jason Bennett

Director of Business Development, NC Sheriff's Association

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Piedmont Truck Center, Inc. | 412 South Regional Road Greensboro North Carolina |

08/29/2021



274099308

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As Configured Vehicle

Code	Description	MSRP
Base Vehicle		
W6D	Base Vehicle Price (W6D)	\$74,120.00
Engines		
99C	6.7L Power Stroke V8 Turbo Diesel - 270 HP @ 2400 RPM	STD
	Includes Engine Exhaust Brake and manual regen capability. Torque: 700 ft.lbs. @ 1500 rpm. <i>Governed RPM: 3200. Includes CARB clean idle label - may be removed if un-necessary.</i>	
425	50-State Emissions	N/C
Transmissions		
44G	Ford TorqShift HD 6-Speed Automatic - Double Overdrive, less PTO Provision - Park Pawl determined by Rear Axle Ratio and Tire Size	STD
Front Wheels & Tires		
643	Wheels, Front 22.5x8.25 White Powder Coated Steel, 10-Hole <i>(285.75MM BC) hub piloted, flanged nut, metric mount, 8.25 DC rims; with steel hubs.</i>	STD
T2B	Tires, Front Two 11R22.5G Goodyear Fuel Max RSA (497 rev/mile)	STD
Rear Wheels & Tires		
663	Wheels, Rear 22.5x8.25 White Powder Coated Steel, 10-Hole <i>(285.75MM BC) hub piloted, flanged nut, metric mount, 8.25 DC rims; with steel hubs.</i>	STD
R2B	Tires, Rear Four 11R22.5G Goodyear Fuel Max RSA (497 rev/mile)	STD
Brakes		

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As Configured Vehicle (cont'd)

Code	Description	MSRP
67H	Hydraulic Brake System - Bosch HydroMax w/Traction Control <i>Full power with automatic adjustment, 4-channel ABS antilock brake system. Includes 12" x 3" (Bosch) DSSA type rear axle mounted parking brake, Orscheln lever control, right of driver and hand operated park brake lever.</i>	STD
Front Axle and Suspension		
43A	8,500 lb. Cap. Non-Driving - Dana D-850F	STD
61B	Taper-Leaf Springs, Parabolic - 8,500 lb. Cap <i>2-leaf, 62" x 3.15". Also includes, standard duty, dual, double acting shock absorbers.</i>	STD
Rear Axle and Suspension		
472	17,500 lb. Single-Speed - Dana S17-140 <i>Single reduction with Gentech Quiet Gears and 190 wheel ends. NOTE: When specifying an axle ratio, check performance guidelines for startability and gradeability.</i>	STD
68M	Multi-Leaf Springs - 19,000 lb. Cap <i>11-leaf. Includes 2,000 lb auxiliary springs for load stabilization.</i>	STD
X6D	6.50 Axle Ratio PRNDM/RNDM determined by Rear Axle Ratio and Tire Size.	N/C
Wheelbase		
182WB	182" Wheelbase/72" CA/49" AF/270" OAL	STD
Frame		
534	Single Channel - Straight 'C' 12.64 SM, 50,000 PSI <i>632,000 RBM. High strength low alloy steel; 10.125" x 3.062" x 0.312" (257.2mm x 77.8mm x 8.0mm).</i>	STD
Exhaust		
91G	Under Cab, Right Side Outlet, Switchback-Style <i>Single, horizontal muffler, right side, under cab, outside of frame rail with rear discharge.</i>	STD
Fuel Tanks		

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As Configured Vehicle (cont'd)

Code	Description	MSRP
65E	Fuel Tank - LH 65 Gallon Rectangular - Aluminum	STD
12	12 Gal. Single Tank Fuel Fill. Mandatory Charge Applied, Based On Tank Selection	\$0.00

Electrical / Alternator / Battery

STDALT	Extra Heavy Duty Alternator - 12-Volt, 200 Amp Denso SC5	Included
STDBAT	Battery - Two 750 CCA, 1500 Total, Includes Steel Battery Box <i>12Volt, Motorcraft.</i>	STD

Seats

88A	30/0/30 Fixed Driver & Fixed Passenger w/Consolette - Vinyl	STD
87C	60/40 Rear Bench Seat w/Flip-Up Cushion and Fold-Down Back <i>Trim will match selected driver seat material.</i>	STD

Cab Interior

600A	Preferred Equipment Package 600A <i>Includes:</i> - Bumper, Front - Black, Full Width - Wheel Seals, Front - Oil Lubricated, SKF ScotSeal PlusXL Seals - Wheel Seals, Rear - Oil Lubricated, SKF ScotSeal PlusXL Seals - Manual Regen Initiation - Driver Interface in Message Center - Engine Exhaust Brake - Extra Heavy Duty Alternator - 12-Volt, 200 Amp Denso SC5 - Painted Grille - Plastic - Lights - Roof Marker/Clearance - Amber Lenses, 5 Lights - Tow Hooks, Front (2) - Frame-Mounted, Painted Black - Four Body Builder Switches - Mounted in Center Instrument Panel With connector access located in engine compartment. Amperages vary by switch: 10, 15, 25, 25. - Floor Covering - Black Vinyl - Intelligent Oil Life Monitor - Steering Column - Tilt / Telescoping - Steering Wheel - Black PVC w/Integral Cruise Control Switches, includes Audio Controls - Body Builder Wiring - At Back of Cab, Combined Includes sealed connectors for 2 ground circuits, with combined left/stop, combined right/stop, park lamps, back up lamps. Also includes 2 additional pass through wires to cab.	N/C
588	Radio: AM/FM Stereo w/2 Speakers, USB input, Clock Display and Bluetooth	STD

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As Configured Vehicle (cont'd)

Code	Description	MSRP
Cab Exterior		
54H	Mirrors, Dual - Rectangular, XL2020 - 96" Width <i>Integral spot mirror, sail type, manual fold, solid black finish.</i>	STD
Miscellaneous		
PAINT	Paint Type - Environmentally Friendly, "3 - Wet System"	STD
Interior Color		
E_01	Gray	N/C
Exterior Color		
YZ_01	Oxford White	N/C
SUBTOTAL		\$74,120.00
Destination Charge		\$2,095.00
TOTAL		\$76,215.00

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Selected Equip & Specs

Dimensions

• Exterior length: 270.0" • Cab to axle: 72.0" • Exterior width: 96.7" • Exterior height: 92.9" • Wheelbase: 182.0" • Front track: 80.5" • Rear track: 72.6" • Rear tire outside width: 96.0" • Front legroom: 41.4" • Rear legroom: 42.1" • Front headroom: 40.7" • Rear headroom: 40.8" • Front hiproom: 67.6" • Rear hiproom: 67.6" • Front shoulder room: 68.0" • Rear shoulder room: 68.0"

Powertrain

• 270hp 6.7L OHV 32 valve intercooled turbo V-8 engine with diesel direct injection • Recommended fuel : diesel • federal • 6 speed automatic transmission with overdrive • Rear-wheel drive • Fuel Economy Cty: N/A • Fuel Economy Highway: N/A • 65.0 gal. rectangular Left front fuel tank • Fuel/water separator • Standard rear differential • Right mounted horizontal muffler • Right mounted horizontal tailpipe * **Park Pawl: PRNDM**

Suspension/Handling

• Front non-independent leaf spring suspension • Rear rigid axle leaf spring suspension • Hydraulic power-assist recirculating ball Steering • Front and rear 22.5 x 8.25 wheels • 11.0R22.5 AS front and rear tires • Dual rear wheels • Rubber auxiliary rear springs

Body Exterior

• 4 doors • Conventional left rear passenger • Conventional right rear passenger • Driver and passenger , manual folding door mirrors • Black door mirrors • Black bumpers • Side steps • Clearcoat paint • Straight front bumper ends • Hood mounted grille • Front and rear 22.5 x 8.25 white steel wheels with 10 wheel studs • 2 front tow hook(s)

Convenience

• Manual air conditioning • Cruise control with steering wheel controls • Manual windows • Manual door locks • Manual tilt steering wheel • Manual telescopic steering wheel • Wireless phone connectivity • Front cupholders • Passenger visor mirror • Dual electric horn • Automatic gearshift steering column lever • Upfitter switches

Seats and Trim

• Seating capacity of 5 • Fixed driver seat • Fixed passenger seat • Driver and passenger armrests • 60-40 folding rear split-bench seat • Bucket driver seat, Bucket passenger seat • Driver seat folding back, passenger seat fixed back • Low back seats • Driver seat with 4 way direction control, passenger seat with 2 way direction control • Manual fore/aft seats

Entertainment Features

• AM/FM stereo radio • Auxiliary audio input • Steering wheel mounted radio controls • 2 speakers • Streaming audio • Fixed antenna

Lighting, Visibility and Instrumentation

• Halogen aero-composite headlights • Delay-off headlights • Auto on/off headlights • Variable intermittent front windshield wipers • Speed sensitive wipers • Light tinted windows • Rear reading lights • Tachometer • Oil pressure gauge • Oil temperature gauge • Trip computer • Trip odometer * **PRNDM**

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Selected Equip & Specs (cont'd)

Safety and Security

• 4-wheel ABS brakes • Hill hold control • Hydraulic disc brakes • ABS traction control • Manual door locks • With stolen vehicle tracking system

Dimensions

General Weights

Curb	10,386 lbs.	Front GAWR	8500 lbs.
Rear GAWR	17500 lbs.	GVWR	26000 lbs.
GCWR	50000 lbs.		

Front Weights

Front curb weight	7,016 lbs.	Front axle capacity	8,500 lbs.
Front spring rating	8,500 lbs.	Front tire/wheel capacity	12,350 lbs.

Rear Weights

Rear curb weight	3,370 lbs.	Rear axle capacity	17,500 lbs.
Rear spring rating	19,000 lbs.	Rear tire/wheel capacity	23,360 lbs.

Fuel Tank type

Left front Fuel tank capacity	65.01 gal.
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Front Frame

Height loaded	36 "	Height unloaded	37 "
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Rear Frame

Height loaded	36 "	Height unloaded	38 "
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Powertrain

Engine Type

Block material	Iron	Cylinders	V-8
Head material	Aluminum	Ignition	Compression
Injection	Diesel direct injection	Liters	6.7L
Orientation	Longitudinal	Recommended fuel	Diesel
Valves per cylinder	4	Valvetrain	OHV
Forced induction	Intercooled turbo		

Engine Spec

Bore	3.90"	Compression ratio	16.2:1
Displacement	406 cu.in.	Stroke	4.25"

Engine Power

Output	270 HP @ 2,400 RPM	Torque	700 ft.-lb @ 1,500 RPM
Governed RPM	3,200		

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Selected Equip & Specs (cont'd)

Alternator

Type HD Amps 200

Battery

Cold cranking amps 1,500 Location Forward right
Step Yes Type Dual

Transmission

Electronic control Yes Lock-up Yes
Overdrive Yes Speed 6
Type Automatic

Transmission Gear Ratios

1st 3.974 2nd 2.318
3rd 1.516 4th 1.149
5th 0.858 6th 0.674
Reverse Gear ratios 3.128

Transmission Torque Converter

Stall ratio 1.85

Transmission Extras

Driver selectable mode Tow/Haul Mode Sequential shift control Yes
Oil cooler Regular duty

Drive Type

Type Rear-wheel

Drive Feature

Traction control ABS

Drive Axle

* Ratio 6.5

Exhaust

Material Aluminized steel System type Single

Emissions

CARB Federal

Engine Retarder

Type Yes

Driveability

Brakes

ABS 4-wheel ABS channels 4

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Selected Equip & Specs (cont'd)

Type	Hydraulic disc	Vented discs	Front and rear
<i>Brake Assistance</i>			
Hill hold control	Yes		
<i>Suspension Control</i>			
Ride	Regular		
<i>Front Suspension</i>			
Independence	Non-independent	Type	Leaf
<i>Front Spring</i>			
Type	Tapered leaf	Grade	Regular
<i>Front Shocks</i>			
Type	Regular		
<i>Rear Suspension</i>			
Independence	Rigid axle	Type	Leaf
<i>Rear Spring</i>			
Type	Multi-leaf	Grade	Regular
Auxiliary	Rubber		
<i>Steering</i>			
Activation	Hydraulic power-assist	Type	Re-circulating ball
<i>Steering Specs</i>			
# of wheels	2		

Exterior

<i>Front Wheels</i>			
Diameter	22.5"	Width	8.25"
<i>Rear Wheels</i>			
Diameter	22.5"	Width	8.25"
Dual	Yes		
<i>Front Tires</i>			
Aspect	82	Diameter	22.5"
Sidewalls	BSW	Tread	AS
Width	11.0"	LT load rating	G
RPM	497		
<i>Rear Tires</i>			
Aspect	82	Diameter	22.5"
Sidewalls	BSW	Tread	AS
Width	11.0"	LT load rating	G

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Selected Equip & Specs (cont'd)

RPM 497

Wheels

Front track 80.5"
Turning radius (to curb) 25'
Wheelbase 182.0"

Rear track 72.6"
Turning radius (to bumper) 27'
Rear tire outside width 96.0"

Body Features

Front splash guards Yes
Side steps Yes

Body material Composite/galvanized steel
Front tow hook(s) 2

Body Doors

Door count 4
Right rear passenger Conventional

Left rear passenger Conventional

Exterior Dimensions

Length 270.0"
Body height 92.9"
Axle to end of frame 49.0"
Frame yield strength (psi) 50000.0
Frame rail width 3.1"
Max RBM (in.-lbs.) 665,500.0
Front bumper to Front axle 39.0"

Body width 96.7"
Cab to axle 72.0"
Frame section modulus 12.6cu.in.
Frame rail depth 10.1"
Frame rail thickness 0.3"
Frame rail section 9.5"
Nominal RBM (in.-lbs.) 632,000.0

Safety

Seatbelt

Height adjustable Front

Seating

Passenger Capacity

Capacity 5

Driver Seat

Type Bucket
Back type Low
Fore/aft Manual

Back Folding
Way direction control 4

Passenger Seat

Type Bucket
Back type Low
Fore/aft Manual

Back Fixed
Way direction control 2

Front Armrest

Driver Yes

Passenger Yes

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Selected Equip & Specs (cont'd)

Rear Seats

Descriptor	Split-bench	Facing	Front
Folding	60-40	Folding position	Fold-up cushion
Type	Fixed		

Front Seat Trim

Material	Vinyl	Back material	Carpet
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Rear Seat Trim Group

Material	Vinyl	Back material	Carpet
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Convenience

AC And Heat Type

Air conditioning	Manual
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Audio System

Auxiliary audio input	Yes	Radio	AM/FM stereo
Radio grade	Regular	Seek-scan	Yes

Audio Speakers

Speaker type	Regular	Speakers	2
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Audio Controls

Steering wheel controls	Yes	Streaming audio	Yes
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Audio Antenna

Type	Fixed
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Cruise Control

Cruise control	With steering wheel controls
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Convenience Features

Driver foot rest	Yes	12V DC power outlet	2
* Wireless phone connectivity	Yes	Horn	Dual electric
Upfitter switches	Yes		

Door Lock Activation

Type	Manual
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Instrumentation Type

Appearance	Analog
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Instrumentation Gauges

Tachometer	Yes	Oil pressure	Yes
Engine temperature	Yes	Oil temperature	Yes
Transmission fluid temp	Yes	Engine hour meter	Yes

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Selected Equip & Specs (cont'd)

Instrumentation Warnings

Oil pressure	Yes	Battery	Yes
Lights on	Yes	Key	Yes
Low fuel	Yes	Door ajar	Yes
Service interval	Yes	Brake fluid	Yes
Transmission fluid temp	Yes		

Instrumentation Displays

Clock In-radio display

Instrumentation Feature

Trip computer	Yes	Trip odometer	Yes
* Shift indicator	PRNDM		

Steering Wheel Type

Material	Urethane	Tilting	Manual
Telescoping	Manual		

Front Side Windows

Window 1st row activation Manual

Windows Rear Side

2nd row activation Manual

Window Features

Tinted Light

Front Windshield

Wiper	Variable intermittent	Speed sensitive wipers	Yes
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Rear Windshield

Window Fixed |

Automatic Gearshift

Location Steering column lever

Interior

Passenger Visor

Mirror Yes

Headliner

Coverage	Full	Material	Cloth
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Floor Trim

Coverage	Full	Covering	Vinyl/rubber
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Trim Feature

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Gear shifter material Urethane

Lighting

Dome light type Delay

Variable IP lighting Yes

Rear reading Yes

Floor Console Storage

Type Partial

Storage

Front Beverage holder(s) Yes

Instrument panel Bin

Glove box Yes

Dashboard Yes

Legroom

Front 41.4"

Rear 42.1"

Headroom

Front 40.7"

Rear 40.8"

Hip Room

Front 67.6"

Rear 67.6"

Shoulder Room

Front 68.0"

Rear 68.0"

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