

2021 FORD BRONCO TWO- AND FOUR-DOOR MODEL

TECHNICAL SPECIFICATIONS



BODY

Vehicle type	Midsized four-passenger two-door/five-passenger four-door rugged 4x4 SUV
Trim series	Base, Big Bend™, Black Diamond™, Outer Banks™, Badlands™, Wildtrak™, First Edition
Option packages	Mid, High, Lux, Sasquatch™ Package
Final assembly location	Michigan Assembly Plant, Wayne, Michigan

ENGINES

	2.3-liter EcoBoost®	2.7-liter EcoBoost
Configuration	Ti-VCT GTDI I-4	Ti-VCT GTDI 60-degree V6
Displacement	138 cu. in. (2,264 cc)	164 cu. in. (2,694 cc)
Bore x stroke	3.45 in. x 3.7 in. (87.55 mm x 94 mm)	3.27 in. x 3.27 in. (83 mm x 83 mm)
Compression ratio	10.0:1	10.0:1
Fuel delivery	Direct injection	Port fuel/direct injection
Engine control system	Chassis integrated powertrain control module	Chassis integrated powertrain control module
Engine block material	High-pressure die cast aluminum alloy	Compacted graphite iron
Pistons	Lightweight, high-strength cast aluminum with low-friction skirt coating and steel ring	Lightweight, high-strength cast aluminum with low-friction skirt coating and steel ring
Connecting rods	Forged steel	Forged steel
Crankshaft	Forged steel	Forged steel
Valve diameter/lift	Intake, 32.5 mm/8.9 mm Exhaust, 30 mm/7.8 mm	Intake, 32.50 mm/10 mm Exhaust, 28.30 mm/9.0 mm
Valve lifters	Direct acting mechanical bucket	Roller finger follower, hydraulic compensating lash adjusters
Intake	Composite, split plenum	Composite
Ignition	Coil on plug	Coil on plug
Induction	Twin-scroll turbocharger with electrically actuated wastegate	Dual mono-scroll turbochargers with electrically actuated wastegate
Exhaust	Cast iron	Integrated cylinder head casting
Recommended fuel	Regular unleaded 87 octane minimum	Regular unleaded 87 octane minimum
Oil capacity	6.2 quarts	7.0 quarts
Coolant capacity	11.1 liters	11.7 liters
Exhaust system	Single catalyst with resonator and single muffler	Double catalyst with resonator and single muffler
Alternator	Standard: Single 240A	Standard: Single 240A
Battery group	H7 AGM 80 AH 800 CCA	H7 AGM 80 AH 800 CCA
SAE horsepower	300* (275 regular fuel)	330* (315 regular fuel)
SAE torque	325* (315 regular fuel)	415* (410 regular fuel)
Build location	Cleveland engine plant	Lima engine plant

*Horsepower and torque ratings based on premium fuel per SAE J1349 standard. Horsepower and torque are independent attributes and may not be achieved simultaneously.
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EPA-ESTIMATED RATINGS (actual mileage will vary)

	2.3-liter EcoBoost®	2.7-liter EcoBoost
7-speed manual		
Base, Big Bend	20 mpg city, 22 mpg highway, 21 mpg combined	N/A
Black Diamond	20 mpg city, 22 mpg highway, 21 mpg combined	N/A
Badlands	20 mpg city, 22 mpg highway, 21 mpg combined	N/A
10-speed automatic		
Base, Big Bend, Outer Banks	20 mpg city, 22 mpg highway, 21 mpg combined	18 mpg city, 20 mpg highway, 19 mpg combined
Black Diamond	18 mpg city, 18 mpg highway, 18 mpg combined	18 mpg city, 20 mpg highway, 19 mpg combined
Badlands	18 mpg city, 17 mpg highway, 17 mpg combined	17 mpg city, 18 mpg highway, 17 mpg combined
Wildtrak, First Edition, Sasquatch Package equipped Base, Big Bend, Black Diamond, Outer Banks and Badlands	18 mpg city, 18 mpg highway, 18 mpg combined	17 mpg city, 17 mpg highway, 17 mpg combined

DRIVETRAIN

Layout Longitudinally mounted front engine with center-mounted transfer case, independent front axles/solid rear axles

TRANSMISSIONS

Standard	7-speed (6+1 crawler gear) Getrag manual (offered on 2.3-liter engine only)		
Optional	10-speed automatic (available on both 2.3- and 2.7-liter engines)		
Gear ratios			
Crawler	6.588:1	First	4.714:1
First	4.283:1	Second	2.997:1
Second	2.365:1	Third	2.149:1
Third	1.453:1	Fourth	1.769:1
Fourth	1.000:1	Fifth	1.521:1
Fifth	0.776:1	Sixth	1.275:1
Sixth	0.646:1	Seventh	1.000:1
Reverse	- 5.625:1	Eight	0.853:1
		Ninth	0.689:1
		Tenth	0.636:1
		Reverse	- 4.885:1

Transfer cases	Standard	Optional
	4x4 with part-time engagement electronic shift-on-the-fly, 2.72:1 low ratio	Advanced 4x4 with 4A mode automatic on-demand engagement, 3.06:1 low ratio
Maximum crawl ratios*	79.92:1 – 7-speed manual with standard ESOF 57.19:1 – 10-speed speed automatic with standard ESOF	94.75:1 – 7-speed manual with optional Advanced 4x4 67.80:1 – 10-speed automatic with optional Advanced 4x4
Flat-tow capability	Yes	Yes
Axles	Front	Rear
Standard	Dana™ AdvanTEK® M190 independent front suspension	Dana 44™ AdvanTEK M220 solid rear differential
Optional	Dana™ AdvanTEK® M210 independent front suspension with Spicer® Performa-TraK electronic locker	Dana 44™ AdvanTEK M220 solid rear differential with Spicer® Performa-TraK electronic locker

CHASSIS

Type	Body-on-frame; fully boxed high-strength steel frame with seven cross members, High-Performance Off-Road Stability Suspension (HOSS) System with low-mass independent front suspension, five-link solid rear axle with Panhard rod and outboard coilover springs	
Suspensions		
	Front	Rear
Standard	Twin forged alloy A-arms with long-travel coil-over springs, HOSS-tuned heavy-duty dampers	220 mm solid rear axle with long-travel, variable rate coil-over springs, HOSS-tuned heavy-duty dampers
Optional	Bilstein® position-sensitive dampers with end-stop control valves	Bilstein position-sensitive dampers with end-stop control valves

*Maximum ratios with high-capability option packages.
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CHASSIS (CONTINUED)

Off-road capability	Two-door	Four-door
Ground clearance	8.4/11.6	8.3/11.5 (Base/35-inch tires)
Suspension travel front/rear (millimeters)	202/249 (Base) 222/259 (Badlands)	202/249 (Base) 222/259 (Badlands)
Approach angle (degrees)	35.5/43.2 (Base/35-inch tires)	35.5/43.2 (Base/35-inch tires)
Breakover angle (degrees)	21.1/29.0 (Base/35-inch tires)	20.0/26.3 (Base/35-inch tires)
Departure angle (degrees)	29.8/37.2 (Base/35-inch tires)	29.7/37.0 (Base/35-inch tires)
Ramp travel index (Badlands only) (Sta-Bar connected and disconnected)	560/700 (projected)	500/620 (projected)
Maximum water fording (inches) (Based on Sasquatch package)	33.5	33.5

STEERING

	Two-door	Four-door
Type	Three-mode rack-and-pinion steering with standard, comfort and sport modes controlled via Terrain Management System™ with G.O.A.T. Modes™ (Goes Over Any Type of Terrain)	
Turning radius (curb-to-curb)	Base, Big Bend, Black Diamond, Outer Banks: 35.53 feet (10.83 meters)	

BRAKES

	Front	Rear
Type	Four-wheel power disc brakes with four-sensor, four-channel antilock braking system and electronic stability control	
Boost	2.3-liter engine, vacuum brake boost, 2.7-liter engine, electronic brake boost	
Brake configuration	Vented discs, single-piston floating caliper	Discs with single-piston floating caliper, integral electronic parking brake
Rotor diameter/thickness	311 mm x 34 mm	308 mm x 24 mm
Pad material	Non-asbestos organic	Non-asbestos organic
Caliper type	Twin 51-mm floating	Single 54-mm floating
Pad swept area	413 CM ²	373 CM ²

BODY

	Two-door	Four-door
Tops standard (varies by trim series)	Removable hardtop	Removable soft-top Removable hardtop
Roof panel weight (pounds)	14.0 front left, 15.4 front right	13.6 front left, 14.5 front right, 28.1 mid panel
Doors/storage	Two removeable frameless doors	Four removable frameless doors Available rear storage for four doors
Door weight (pounds)	Front 62	Front 55/Rear 44
Modular section	Doors, roof panels, front fenders, grille	
Rock rail	Standard on Black Diamond, Badlands and First Edition series; available dealer installed accessory on all other Bronco series	
Tube steps	Standard on Outer Banks, available on Big Bend and Wildtrak	
Underbody protection	Black Diamond, Wildtrak (optional): Five steel underbody shields including engine shield, transfer case shield, fuel tank shield, shin guards and heavy-duty front bash plate* Badlands, First Edition: Six steel underbody shields including engine shield, transfer case shield, fuel tank shield, shin guards, stabilizer-bar shield and heavy-duty front bash plate*	
Modular bumpers	Heavy-duty powder-coated modular steel front bumper with heavy-duty bash plate standard on Black Diamond, Badlands and First Edition, available on all other series	
Washout vinyl flooring with drain plugs	Standard on Black Diamond and Badlands series	
Trail sights with 150-pound tie-down capacity	Standard on all Bronco series	

*Requires heavy-duty modular front bumper.

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TECHNOLOGY

Terrain Management with G.O.A.T. Modes	Standard modes, Base (5): Normal, Eco, Sport, Slippery and Sand Big Bend, Outer Banks (6): Normal, Eco, Sport, Slippery, Mud/Ruts and Sand Black Diamond (7): Normal, Eco, Sport, Slippery, Mud/Ruts, Sand and Rock Crawl Badlands, First Edition (7): Normal, Eco, Slippery, Mud/Ruts, Baja, Sand and Rock Crawl Wildtrak (7): Normal, Eco, Sport, Slippery, Baja, Mud/Ruts and Sand						
Trail control	Standard on all Bronco series with 10-speed automatic transmission						
Trail turn assist	Standard on all Bronco series with 10-speed automatic transmission						
Trail one-pedal drive	Standard on 2.7-liter V6 models with 10-speed automatic transmission						

	Base	Big Bend	Black Diamond	Outer Banks	Badlands	Wildtrak	First Edition
HMI/audio system, SYNC® 4 system standard	8-inch	8-inch	8-inch	8-inch	8-inch	8-inch	12-inch
HMI/audio system, SYNC 4 system requires optional high package	N/A	N/A	N/A	12-inch	12-inch	12-inch	S
SYNC 4 System with Connected Built-in Navigation	N/A	0	0	0	0	0	S
360-degree camera system	N/A	N/A	N/A	0	0	0	S
B&O sound system® with 10 speakers (Optional with Lux Package)	N/A	N/A	N/A	0	0	0	S
Auto hold brakes	S	S	S	S	S	S	S

Ford Co-Pilot360™ Technology

Includes:

- Auto high beam headlamps
- Pre-Collision Assist with automatic emergency braking includes:
 - Pedestrian detection
 - Forward collision warning
 - Dynamic brake support
- Hill Descent Control™ (manual transmission only)
- Hill start assist
- Rearview camera with backup assist grid

Mid Package –

Ford Co-Pilot360 includes:

- Auto high beam headlamps
 - Blind Spot Information System with cross-traffic alert
 - Pre-Collision Assist with Automatic Emergency Braking
 - Lane-Keeping System includes:
 - Lane-keeping alert
 - Lane-keeping assist
 - Driver alert
 - Rearview camera with backup assist grid lines
- Plus, Ford Co-Pilot360 technologies

High Package – includes Base/Mid

Package content includes:

- 360-degree camera
 - Forward sensing system
- Plus, Ford Co-Pilot360 technologies

Lux Package – includes Base/Mid/

High Package content includes:

- Adaptive cruise control
 - Evasive steering assist
- Plus, Ford Co-Pilot360 technologies

SAFETY/CONTROL SYSTEMS

ABS/stability control	AdvanceTrac® with Roll Stability Control®; electronic stability control standard on all models, trailer sway control, electric power-assisted steering, and ABS
Airbags	First-row driver and passenger dual-stage front and seat side airbags All rows: Safety Canopy side-curtain airbags with rollover sensors for all rows



LIGHTING/CONVENIENCE

	Base	Big Bend	Black Diamond	Outer Banks	Badlands	Wildtrak	First Edition
Headlamps Auto on/off LED Auto high-beam	S	S	S	S	S	S	S
Bronco signature LED lighting	N/A	O	N/A	S	S	S	S
LED fog lamps	N/A	S	N/A	S	N/A	S	N/A
Mirror LED approach lamps and LED spotlights	N/A	N/A	N/A	O	O	O	S
Overhead upfitter switches with six-pre-wired user-defined electrical connections	O	O	S	O	S	S	S
Dual-control HVAC automatic temperature control	N/A	O	O	S	O	S	S
Heated seats	N/A	O	O	S	O	S	S
Central locking system with keyless entry and push-button start	S	S	S	S	S	S	S
Pushbutton start	S	S	S	S	S	S	S
Intelligent access (lock/unlock)	N/A	O	O	S	O	S	S
Remote start system with FordPass Connect (automatic transmission models only)	S	S	S	S	S	S	S
Power window	S	S	S	S	S	S	S

Accessory electrical

One 110V AC 400 watt power outlet (Mid Package and up; rear of center console)

Power points (12V) – one (1) center floor console, one (1) cargo area

Standard: Smart Charging Multimedia USB Ports, First Row – One (1) USB-A and one (1) USB-C; Smart Charging USB Ports, Second Row – One (1) USB-A and one (1) USB-C in the back side of the center floor console

Optional: Lux package – Smart Charging USB Ports, dash board – One (1) USB-A and one (1) USB-C

WHEELS

	Series	
Standard	Base	16-inch bright polished silver-painted steel
Standard	Big Bend	17-inch Carbonized Gray-painted aluminum
Standard	Black Diamond	17-inch black gloss-painted black steel
Optional	Black Diamond	17-inch black mid-gloss-painted aluminum
Standard	Outer Banks	18-inch bright machined black high-gloss-painted aluminum
Standard	Badlands	17-inch machined Carbonized Gray-painted aluminum
Optional	Badlands	17-inch black high-gloss-painted aluminum with Carbonized Gray beauty ring, beadlock-capable
Standard	Wildtrak*	17-inch black high-gloss-painted aluminum with black beauty ring, beadlock-capable
Standard	First Edition*	17-inch black high-gloss-painted aluminum with black beauty ring, beadlock-capable

Sasquatch Package

	Series	
Optional	Base, Big Bend, Black Diamond, Badlands	17-inch black high-gloss-painted aluminum with warm alloy beauty ring, beadlock-capable

TIRES (Inches)

Diameter	30	32	32	32	33	33	35
Width	255/70R16	255/75R17	255/70R18	265/70R17	285/70R17	285/70R17	315/70R17
Wheel size	16x7	17x7.5	18x7.5	17x7.5	17x8	17x8	17x8.5
Tread type	A/S	A/T	A/T	A/T	A/T	M/T	M/T
Supplier	Bridgestone	Bridgestone	Bridgestone	General Tire	BFGoodrich	Goodyear	Goodyear
Brand	Dueler H/T 685	Dueler A/T RH-S	Dueler A/T RH-S	General Grabber A/Tx	All-Terrain TA KO2	Territory	Territory
Series	Base	Big Bend	Outer Banks	Black Diamond	Badlands	Badlands Optional	Sasquatch Wildtrak First Edition

*Denotes Sasquatch™ Package

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DIMENSIONS/CAPACITIES (Inches)

	Two-door	Four-door
Wheelbase		
All series	100.4	116.1
Length		
Base	173.7	189.4
Big Bend	173.7	189.4
Wildtrak	173.7	189.5
Badlands	174.8	190.5
Height		
Base	71.9	73.0 (soft-top)
Big Bend	72.9	72.9
Wildtrak	75.2	75.3
Badlands	73.8	73.9
<small>(When available roof racks are installed, add 3.6 inches to two-door models, 3.4 inches to four-door models for maximum height)</small>		
Width (with mirrors folded)		
Base/Big Bend	75.9	75.9
Wildtrak	79.3	79.3
Badlands	76.3	76.3
Track width, front/rear		
Base/Big Bend/Badlands	65.0/65.0	65.0/65.0
Wildtrak	66.9/66.9	66.9/66.9
Seating capacity		
	Four	Five
Passenger volume, hardtop (cu. ft.)	99	103.7
Passenger volume, soft-top (cu. ft.)	N/A	108.2
Behind first row, hardtop (cu. ft.)	52.3	77.6
Behind first row, soft-top (cu. ft.)	N/A	83.0
Behind second row, hardtop (cu. ft.)	22.4	35.6
Behind second row, soft-top (cu. ft.)	N/A	38.3
Headroom		
First row, hardtop	41.0	40.8
First row, soft-top	N/A	43.3
Second row, hardtop	39.8	40.1
Second row, soft-top	N/A	41.1
Legroom		
First row	43.1	43.1
Second row	35.7	36.3
Hip room		
First row	56.3	55.9
Second row	43.3	54.8
Shoulder room		
First row	57.1	57.1
Second row	51.8	56.5
Fuel capacity (gallons)		
	16.9	20.8



OPTION GROUP HIGHLIGHTS

Mid Package equipment group highlights	SYNC 4 with 8-inch LCD touch screen/audio system, connected navigation, dual-zone HVAC, front-row heated seats, two-door intelligent access, remote start system*, Ford Co-Pilot360, reverse sensing system, rear passenger power outlet
High Package equipment group highlights	Includes all Mid Package content plus: SYNC 4 with 12-inch LCD touch screen/audio system and information on-demand panel, 360-degree camera, forward sensing system, additional sound deadening, mirror-mounted LED approach lamps and spotlights
Lux Package equipment group highlights	Includes all Mid and High Package content plus: 10-speaker B&O Sound System by Bang & Olufsen, adaptive cruise control and evasive steering assist, heated steering wheel, connected built-in navigation with three years of service, wireless charging pad and dash-mounted USB-A and USB-C smart charging ports

WARRANTY

Bumper-to-bumper	Three years/36,000 miles
Powertrain	Five years/60,000 miles
Corrosion	Five years/unlimited miles
Roadside assistance	24-hour/day (3 years/36 miles)

*Remote start on automatic transmission models only.
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