

2020 FORD EXPLORER

# TECHNICAL SPECIFICATIONS



## BODY

Body style	Sport utility vehicle
Construction	Unibody
Trim levels	Base, XLT, Limited, Hybrid, ST and Platinum
Final assembly location	Chicago Assembly Plant

ENGINE	Base, XLT, Limited	Hybrid	ST	Platinum
	2.3-liter EcoBoost® I-4	3.3-liter hybrid	3.0-liter EcoBoost V6	3.0-liter EcoBoost V6
Configuration	Aluminum block and head	Naturally aspirated V6, overhead cams	60-degree V6, compacted graphite iron aluminum block, aluminum head	60-degree V6, compacted graphite iron aluminum block, aluminum head
Manufacturing location	Cleveland Engine Plant	Lima Engine Plant	Lima Engine Plant	Lima Engine Plant
Intake manifold	Composite shell-welded with runner pack	Composite, common plenum	Composite Shell welded with runner pack	Composite shell-welded with runner pack
Exhaust manifold	Three-port integrated into aluminum head	Bolt On Cast Iron Manifold	Integrated into Aluminum Head	Integrated into aluminum head
Valvetrain	DOHC, four valves per cylinder, twin independent variable camshaft timing	DOHC, direct acting mechanical buckets (DAMB), four valves per cylinder, twin independent variable camshaft timing	DOHC, roller finger follower, four valves per cylinder, twin independent variable camshaft timing	DOHC, roller finger follower, four valves per cylinder, twin independent variable camshaft timing
Valve diameter/lift	Intake, 32.5 mm/8.9638 mm Exhaust, 30.0 mm/7.8 mm	Intake: 37.0 mm/10.022 mm Exhaust: 31.0 mm/10.020 mm	Intake: 10mm/32.5 mm Exhaust: 9mm/28.3 mm	Intake: 32.5 mm/10 mm Exhaust: 28.3 mm/9 mm
Pistons	Cast aluminum	High-temperature cast aluminum alloy with low-friction coated skirts	Cast Aluminum	Cast aluminum
Connecting rods	Powered metal	Forged steel with cracked caps	Forged steel	Forged steel
Ignition	Distributor-less with coil-on-plug	Coil-on-plug	Distributor-less with coil-on-plug	Distributor-less with coil-on-plug
Bore and stroke	87.55 mm x 94 mm	90.41 mm x 86.7 mm	85.4 mm x 86.0 mm	85.4 mm x 86.0 mm
Displacement	140 cu. in.	204 cu. in. (3.340 liters)	180.4 cu. in.	180.4 cu. in.
Compression ratio	10.0:1	12.0:1	9.5:1	9.5:1
Engine control system	PCM	Multicore PCM	PCM	PCM
Crankshaft	Forged steel	Forged steel	Forged steel	Forged steel
Horsepower	300	318 combined	400	365
Torque	310 lb.-ft.	322 lb.-ft.	415 lb.-ft.	380 lb.-ft.
Recommended fuel	Unleaded gasoline, regular grade	Unleaded gasoline, regular grade	Unleaded gasoline, regular grade	Unleaded gasoline, regular grade
Fuel delivery	Direct injection	Port and direct injection	Direct injection	Direct injection
Fuel capacity	17.9 gallons	18.0 gallons	20.2 gallons	20.2 gallons
Oil capacity	5.2 quarts with oil filter	6 quarts with oil filter	6 quarts with oil filter	6 quarts with oil filter
Coolant capacity	12.8 liters to 13.8 liters	11.8 to 15 liters	16.4 liters	16.4 liters

## DRIVETRAIN

Layout	Rear-wheel drive with available intelligent four-wheel drive with front axle disconnect	Rear-wheel drive with available intelligent four-wheel drive with front axle disconnect	Intelligent four-wheel drive with front axle disconnect	Intelligent four-wheel drive with front axle disconnect
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## TRANSMISSION

10-speed automatic with  
SelectShift® capability

10-speed modular  
hybrid automatic

10-speed automatic with  
SelectShift capability

10-speed automatic with  
SelectShift capability

## GEAR RATIOS

First	4.714
Second	2.997
Third	2.149
Fourth	1.769
Fifth	1.521
Sixth	1.275
Seventh	1.000
Eighth	0.853
Ninth	0.689
10th	0.636
Reverse	-4.885

## BRAKES

Type	Four-wheel disc brakes with antilock brake system Heavy-duty front brake calipers (standard) Heavy-duty rear brake calipers (standard on Limited, ST and Platinum) Performance brakes (optional on ST) High-performance brakes (optional on ST)
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## WHEELS AND TIRES

Wheels	18-inch painted aluminum (standard on Base) 18-inch five-spoke sparkle silver-painted aluminum (standard on XLT) 20-inch polished aluminum (optional on XLT, standard on Limited) 20-inch hand-polished aluminum (optional on Limited, standard on hybrid) 20-inch machined aluminum (standard on ST) 20-inch bright machined-face aluminum (standard on Platinum) 21-inch aluminum (optional on ST) 21-inch premium aluminum (optional on Platinum)
Tires	255/65R/18 255/55R/20 275/45R/21

## DIMENSIONS (INCHES UNLESS OTHERWISE NOTED)

### Exterior

Wheelbase	119.1	119.1	119.1	119.1
Length	198.8	198.8	199.3	198.8
Width, excluding mirrors	78.9	78.9	78.9	78.9
Width, including mirrors	89.3	89.3	89.3	89.3
Width, mirrors folded	82.7	82.7	82.7	82.7
Height	69.9	69.9	70.2	70.2
Track, front curb	66.9	66.9	66.9	66.9
Track, rear curb	66.9	66.9	66.9	66.9
Front overhang	33.7	33.7	34.2	33.7
Rear overhang	46.0	46.0	46.0	46.0
Approach angle	20.1 degrees	20.1 degrees	21.0 degrees	21.0 degrees
Departure angle	22.0 degrees	22.0 degrees	21.0 degrees	22.3 degrees
Ramp breakover angle, curb	17.1 degrees	17.1 degrees	17.7 degrees	17.7 degrees
Minimum running ground clearance	7.9	7.9	8.3	8.2



**Interior**

Seating capacity	Seven (Base); Six (XLT & Limited)	Six	Six	Six
First-row headroom	40.7	40.7	40.7	38.9
First-row legroom	43.0	43.0	43.0	43.0
First-row shoulder room	61.8	61.8	61.8	61.8
First-row hip room	59.2	59.2	59.2	59.2
Second-row headroom	40.5	40.5	40.5	38.2
Second-row legroom	39.0	39.0	39.0	39.0
Second-row shoulder room	61.9	61.9	61.9	61.9
Second-row hip room	59.1	59.1	59.1	59.1
Third-row headroom	38.9	38.9	38.9	38.9
Third-row legroom	32.2	32.2	32.2	32.2
Third-row shoulder room	54.6	54.6	54.6	54.6
Third-row hip room	40.9	40.9	40.9	40.9

**Weights and Capacities**

Total passenger volume	152.7 cu. ft.	152.7 cu. ft.	152.7 cu. ft.	146.8 cu. ft.
Cargo volume behind first row	87.8 cu. ft.	87.8 cu. ft.	87.8 cu. ft.	87.8 cu. ft.
Cargo volume behind second row	47.9 cu. ft.	47.9 cu. ft.	47.9 cu. ft.	47.9 cu. ft.
Cargo volume behind third row	18.2 cu. ft.	18.2 cu. ft.	18.2 cu. ft.	18.2 cu. ft.
Base curb weight	4,345 lbs.	4,969 lbs.	4,701 lbs.	4,727 lbs.

**Additional Cargo Dimensions**

Lift-in height	31.1	31.1	31.7	31.7
Cargo height	32.8	32.8	32.8	32.8
Rear opening height	31.5	31.5	31.5	31.5
Maximum cargo height	33.7	33.7	33.7	33.7
Cargo length closed – first	83.9	83.9	83.9	83.9
Cargo length closed – second	49.8	49.8	49.8	49.8
Cargo length closed – third	20.8	20.8	20.8	20.8
Cargo length above floor, behind first row	78.5	78.5	78.5	78.5
Cargo length above floor, behind second row	43.4	43.4	43.4	43.4
Cargo length above floor, behind third row	12.7	12.7	12.7	12.7
Compartment width, maximum	59.0	59.0	59.0	59.0
Cargo width, wheelhouse	48.1	48.1	48.1	48.1
Rear opening width, lower	47.9	47.9	47.9	47.9
Interior cargo volume (maximum cargo/minimum passenger)	147.5	147.5	144.8	144.8
Interior cargo volume (minimum cargo/maximum passenger)	170.9	170.9	170.9	165.0
Volume first-row compartment	59.7	59.7	59.7	56.9
Volume second-row compartment	56.6	56.6	56.6	53.5
Volume third-row compartment	36.4	36.4	36.4	36.4



## TECHNOLOGY

### DRIVER-ASSIST FEATURES

Standard	Co-Pilot360™ includes Blind Spot Information System with cross-traffic alert, Lane-Keeping System, hill start assist, rearview camera with built-in lens washer, auto headlamps with auto high-beams, Pre-Collision Assist with automatic emergency braking with Pedestrian Detection, forward collision warning and dynamic brake support, and post-impact braking
Available	Ford Co-Pilot360 Assist+™ includes Ford Co-Pilot360 content plus adaptive cruise control with stop-and-go and lane-centering, speed sign recognition, evasive steering assist, voice-activated touch screen navigation with pinch-to-zoom capability, SiriusXM™ Traffic and Travel Link
	Active Park Assist 2.0
	Reverse brake assist
	360-degree camera with front split-view
	Intelligent adaptive cruise control with speed sign recognition
	Hill Descent Control™
	Blind Spot Information System with trailer tow coverage (when equipped with trailer tow)
	Rain-sensing wipers

