

2020 LINCOLN AVIATOR

TECHNICAL SPECIFICATIONS



POWERTRAIN	Standard	Available
Type	Twin-turbocharged 3.0L V6 Engine with Stop-Start Technology	Aviator Grand Touring Hybrid Powertrain
	Active Grille Shutters	Active Grille Shutters
Horsepower	400	494
Torque	415 ft.-lbs.	630 ft.-lbs.
Intake manifold	Plastic individual runner	Plastic individual runner
Fuel economy (mpg)	RWD - 18 City/ 26 Hwy/ 21 Combined AWD - 17 City/ 24 Hwy/ 20 Combined	Combined MPG - 23, All-Electric Range - 21 miles, Total Range - 460
Valvetrain	DOHC, dual VCT, fixed lift	DOHC, dual VCT, fixed lift
Valve diameter (mm)	Intake - 32.5 Exhaust - 28.3	Intake - 32.5 Exhaust - 28.3
Valve lift (mm)	Intake - 10 Exhaust - 9	Intake - 10 Exhaust - 9
Pistons	Cast aluminum, High-temperature cast aluminum alloy with low-friction coated skirts	Cast aluminum, High-temperature cast aluminum alloy with low-friction coated skirts
Connecting rods	Powered metal, Forged steel with cracked caps	Powered metal, Forged steel with cracked caps
Ignition	SI	SI
Bore and stroke (mm)	85.4x86	85.4x86
Displacement	3.0L	3.0L
Compression ratio	9.5:1	9.5:1
Crank shaft	Forged steel	Forged steel
Fuel System	Direct injection	Direct injection
Fuel capacity	76.5L (20.2 gal)	68.1L (18 gal) Grand Touring
DRIVETRAIN		
Layout	Rear-wheel drive	Intelligent All-Wheel Drive (standard on Grand Touring and Lincoln Black Label)
Transmission	Ten-Speed SelectShift® Automatic Transmission	Ten-Speed SelectShift Automatic Transmission with Modular Hybrid Transmission
Gear Ratios	Final Drive Ratio: 3.58 - RWD / 3.31 - AWD Reverse Gear Ratio: -4.885 1st Gear Ratio: 4.714 2nd Gear Ratio: 2.997 3rd Gear Ratio: 2.149 4th Gear Ratio: 1.769 5th Gear Ratio: 1.521 6th Gear Ratio: 1.275 7th Gear Ratio: 1.000 8th Gear Ratio: 0.853 9th Gear Ratio: 0.689 10th Gear Ratio: 0.636	Final Drive Ratio: 3.31 - AWD Reverse Gear Ratio: -4.886 1st Gear Ratio: 4.696 2nd Gear Ratio: 2.985 3rd Gear Ratio: 2.146 4th Gear Ratio: 1.769 5th Gear Ratio: 1.520 6th Gear Ratio: 1.275 7th Gear Ratio: 1.000 8th Gear Ratio: 0.854 9th Gear Ratio: 0.689 10th Gear Ratio: 0.636
Brakes	Front: •Twin 45mm aluminum caliper •345x32 vented rotor •NAO brake pads Rear: •Single 45mm iron caliper (electric integrated parking caliper) •350x26mm rotor •NAO brake pads	Front: •Twin 48mm iron caliper •363x32 vented rotor •NAO brake pads Rear: •Single 45mm iron caliper (electric integrated parking caliper) •350x26mm rotor •NAO brake pads
Handling	4-Wheel Disc Anti-Lock Braking System (ABS)	Adaptive Suspension (included with AWD or 22" wheels) with active noise control and sound insulation pack
	Electric Parking Brake	
	Hill Start Assist	
	Auto Hold	
	Electric Power-Assisted Steering	

Specifications are subject to change.
For more information, contact Anika Salceda-Wycoco at 313.845.0627 or asalceda@lincoln.com.



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DIMENSIONS (INCHES)

EXTERIOR

Wheelbase	119.1
Overall Length	199.3
Overall Height	69.6
Width (including mirrors)	89.9
Width (mirrors folded)	82.3
Width (excluding mirrors)	79.6
Track Width (F/R)	66.9/66.9

INTERIOR – FRONT

Headroom (maximum) Steel/Vista Roof	41.5/40.2
Legroom (maximum)	43
Hip room	58.5
Shoulder room	61.5

INTERIOR – 2ND ROW

Headroom Steel/Vista Roof	39.7/38.4
Legroom (maximum)	40.1
Hip room	58.3
Shoulder room	61.3

INTERIOR – 3RD ROW

Headroom	36.9
Legroom	29.2
Hip room	40.9
Shoulder room	54

WEIGHTS AND CAPACITIES

BASE CURB WEIGHT (LBS)

Standard RWD	4,774
Standard AWD	4,892
Grand Touring AWD	5,673

TOWING (LBS) WITH CLASS IV TRAILER TOW PACKAGE

Standard, Reserve and Black Label	6,700
Grand Touring and Black Label Grand Touring	5,600

CAPACITIES (CU.-FT.)

Passenger volume (Vista Roof)	140.5
Passenger volume (steel roof)	144.7
Cargo volume	
Behind front row	77.7
Behind 2nd row	41.8
Behind 3rd row	18.3

EXTERIOR COLORS

Blue Diamond Metallic	Infinite Black Metallic
Burgundy Velvet Metallic Tinted Clearcoat	Magnetic Gray Metallic
Ceramic Pearl Metallic Tri-coat	Pristine White Metallic Tri-coat
Crystal Copper Metallic Tinted Clearcoat	Red Carpet Metallic Tinted Clearcoat
Iced Mocha Metallic Premium Colorant	Silver Radiance Metallic

INTERIOR COLORS AND THEMES

Chalet (Black Label)	Flight (Black Label)
Destination (Black Label)	Sandstone
Ebony	Slate/Medium Slate (Grand Touring and Reserve)
Ebony Roast/Roast (Grand Touring and Reserve)	

STANDARD FEATURES

Climate	12V Powerpoints (3)
Cabin Particulate Air Filter	5.8" Second Row LCD Touchscreen Climate Controls (with Audio and Heated/Vented Seat Controls when equipped)
Tri-Zone Climate Control	Ambient interior lighting
Comfort and Convenience	Coat hooks - (2) Second Row
10.1" LCD touch-screen in center-stack	
110V Power Outlet - Second Row	

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Cruise Control

Data-Capable Smart-Charging USB Ports (2) (Types A & C)

Delayed Accessory Lighting

First Row Overhead Console with Sunglasses Holder

Floor Mats - First and Second Row Carpeted

Frameless, Electrochromatic Auto Dimming Rearview Mirror

Front Floor Console with armrest plus storage

Grab Handles - Wrapped First Row, Second Row, and Liftgate

Intelligent Access (4 doors) with Push Button Start

Leather-Wrapped Steering Wheel with Speed and Audio Controls

LED Dome Lamps - First Row and Cargo

LED Illuminated Door Switches

LED Reading Lamps - First Row

Lincoln Co-Pilot360™

Lockable Interior Storage - Illuminated glove box

Map Pockets

Personal Profiles (Audio, Climate, Lincoln Drive Control, Mirrors, Seats memory, and more)

Power Door Locks with Autolock

Power Tilt/Telescoping Wheel (standard on Reserve)

Power Windows - Driver / Passenger / Rear 1-Touch Up / Down, Global Open / Close

Second-Row Bench Seat – 35/30/35 Power Tip-and-Slide Release (Late Availability on Black Label, not available on Grand Touring Black Label)

Sun Visors with Dual Illuminated Mirrors

Symphonic Chimes

SYNC® 3 AppLink®

Universal Garage Door Opener

Entertainment Systems

Lincoln Connect™ with 4G embedded modem with WiFi® hot spot capability, enables Lincoln Way™ App remote features (when activated)

Lincoln Premium Audio System with 10 Speakers including Subwoofer and Satellite/AM/FM Stereo

Voice-Activated Touchscreen Navigation System with pinch-to-zoom capability and integrated SiriusXM Traffic and Travel Link®

SiriusXM® Radio

Seating

First Row - Comfort Seats (10-Way) Power with Two-Way Power Lumbar

Lincoln Soft Touch Seating Surfaces

PowerFold® third-Row 50/50 split fold-flat bench seat

Second-Row Bench Seat – 35/30/35 Power Tip-and-Slide Release (Late Availability on Black Label, not available on Grand Touring Black Label)

Exterior Features

Auto-dimming driver's side exterior mirror

Heated, dual power adjustable, Autofold exterior mirrors with memory

Remote Start

Appearance

19-inch Ultra-Bright Machined Aluminum painted wheel

Antenna - Integrated in spoiler/rear quarter glass

All-Season BSW 255/60R19 Tire

Aluminum roof rack side rails (low profile)

Body-Colored Trim

Full LED Headlamps

Grille - Plated Satin Chrome Finish

Illuminated door handle pockets

LED Backup Lights

LED Daytime Running Lamps - Fade On/Off

LED Fog Lamps

LED Redundant Tail Lamps

LED Turn Signals

Lincoln Embrace Welcome/Farewell Elements

Power liftgate

Quad Chrome Exhaust Tips

Signature Lighting

Welcome Mat (Lincoln Logo)

Protection

Easy Fuel Capless Refueling

Windows and Glass

Acoustic/laminated first and second-row glass

Rain-sensing wipers

Rear window defroster

Solar glass first row forward; privacy glass second row rearward

Safety

4-Wheel Disc Anti-Lock Braking System (ABS)

AdvanceTrac® with RSC® (Interactive Vehicle Dynamics)

Belt-Minder® (safety belt reminder) - 1st, 2nd, & 3rd Row

Blind Spot Detection with Cross-Traffic Alert

Driver and Front Passenger Dual Stage, Side Impact, & Glove-Box-Door Integrated Knee Airbag

Emergency Brake Assist

Four-Way Adjustable Head Restraints first- and second-row outboard seats

Front-Seat Side Airbags

MyKey® Owner Controls Feature, 2nd generation

Keyless Entry

LATCH (Lower Anchors and Tether Anchors for Children)

Personal Safety System™ (1st row) includes seatbelt pre-tensioners, load-limiting retractors, driver seat position sensing, crash severity sensing, and seatbelt tension reducers

Safety Canopy/Air Curtain (3-rows) with roll-over sensor

Security

Battery Saver

Lincoln Embrace Approach Detection

Enhanced Security Package - Enhanced Valet Mode, Lockable Interior Storage, Secondary Horn, Vehicle Inclination Sensor

Remote Keyless Entry

SecuriCode™ (Keypad)

SecuriLock® Passive Anti-Theft System

SOS Post-Crash Alert

Tire Pressure Monitoring System (TPMS) - Individual tires

Traction Control - Brake & Engine Actuated

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AVAILABLE FEATURES

Climate

Quad-Zone Climate Control (independent 2nd and 3rd rows)

Entertainment Systems

Revel™ Audio System with 14-Speakers and HD Radio, MP3 Player, and Satellite/AM/FM Stereo

Rear Seat Audio Controls

Lincoln Play (Late Availability)

Seating

First Row – Comfort Seats (12-Way) Power with Two-Way Power Lumbar (Available on Aviator Reserve)

Premium Leather Enhanced Micro-Perforated Seats (Available on Aviator Reserve)

Second-Row Captain's Chairs with mini-floor console and PowerFold® Easy Entry (Available on Aviator Reserve)

Full Rear Console with Rear Panoramic Vista Roof® Shade Controls and Two Smart-Charging USB Ports (Types A & C)

Exterior Features

Panoramic Vista Roof® with Power Shade

Appearance

Front License Plate Bracket (included in states requiring front license plates)

22-inch Ultra-Bright Machined Aluminum painted wheel

Aviator Grand Touring unique grille, badging and trim

Aviator Grand Touring 20- and 21-inch wheel options

Protection

360° camera

AVAILABLE PACKAGES

Class IV Trailer Tow Package includes 4-pin & 7-pin connectors, class IV hitch & wiring, BLIS w/CTA & Trailer Tow (when properly equipped), Smart Trailer Tow, and Trailer Sway Control

Convenience Package includes Head-Up Display, Phone As A Key (Feature activation, available late summer 2019), Wireless Charging Pad, and Soft Close Doors with Light Touch Handle

Dynamic Handling Package includes Adaptive Suspension with Road Preview, Air Glide Suspension with Dynamic Lower Entry, and Adaptive Steering

Elements Package (optional for Standard) includes second row heated seats, heated steering wheel, and heated VisioBlade™ wipers

Elements Package Plus (optional for Aviator Reserve and Aviator Grand Touring, included in Black Label) includes first-and-second-row heated/ventilated seats, heated steering wheel, heated/ventilated second-row seats, and heated VisioBlade™ wipers

Illumination Package includes Adaptive Pixel LED Headlamps, Lincoln Dynamic Signature Lighting (LED Daytime Running Lamps - Sequential On/Off), Lincoln Lit Star

Lincoln Co-Pilot360™ Plus (details below)

Luxury Package includes Perfect Position Seats (30-Way) with Active Motion, Revel™ Ultima 3D Audio System with 28 Speakers, and Manual Rear Door Sunshades

DRIVER ASSIST FEATURES

Standard Lincoln Co-Pilot360™

Auto high beams

Pre-Collision Assist with automatic emergency braking

- Pedestrian Detection
- Forward Collision Warning
- Dynamic brake support

Lane-Keeping System

- Lane-Keeping Alert
- Lane-Keeping Assist
- Driver Alert

Rearview camera

Blind Spot Information System with cross-traffic alert

Available Lincoln Co-Pilot360™ Plus

Adaptive cruise control with traffic jam assist

- Lane centering
- Speed sign recognition
- Stop-and-go

360-degree camera with front washer

Front sensing system

Evasive steer assist

Reverse brake assist

Active Park Assist Plus

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