



2021 Avalon Product Information

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ENGINE	
Type, Materials	3.5-liter, six-cylinder, double-overhead cam, 24-valve, D-4S Dual Injection with VVT-iW and VVT-I (XLE, Limited, XSE Nightshade, Touring, TRD) 2.5-liter, Dynamic Force four-cylinder, double-overhead cam, 16-valve (four-valve/cylinder), D-4S Direct Injection with dual Variable Valve Timing-intelligent (VVT-i) (XLE AWD, Limited AWD)
Valve train	DOHC, four-valve/cylinder
Displacement	3,456 cc (XLE, Limited, XSE Nightshade, Touring, TRD) 2,487 cc (XLE AWD, Limited AWD)
Bore x Stroke	3.70 x 3.27 in. (XLE, Limited, XSE Nightshade, Touring, TRD) 3.44 x 4.07 (XLE AWD, Limited AWD)
Compression Ratio	11.8:1 (XLE, Limited, XSE Nightshade, Touring, TRD) 13.0:1 (XLE AWD, Limited AWD)
Horsepower (SAE Net)	301 hp @ 6,600 rpm (XLE, Limited, XSE Nightshade, Touring, TRD) 205 hp @ 6,600 rpm (XLE AWD, Limited AWD)
Torque	267 lb-ft @ 4,700 rpm (XLE, Limited, XSE Nightshade, Touring, TRD) 185 lb-ft @ 4,600 rpm (XLE AWD, Limited AWD)
Ignition System	Electronic, Toyota Direct Ignition (TDI)
Fuel System	SFI (XLE, Limited, XSE Nightshade, Touring, TRD) D-4S (XLE AWD, Limited AWD)
Recommended Fuel	87-octane unleaded or higher
Emission Certification	ULEV-II
EPA Estimated Fuel Economy*	22/32/26 (XLE) 22/31/25 (XSE Nightshade, TRD, Limited, Touring) TBD (XLE AWD, Limited AWD)

*2021 EPA estimated MPG - Actual mileage will vary.

DRIVETRAIN	
Layout	Front-Wheel Drive (FWD) (XLE, Limited, XSE Nightshade, Touring, TRD)

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All-Wheel Drive (XLE AWD, Limited AWD)		
Transmission Type	Direct Shift - 8AT, 8-speed Electronically Controlled Automatic Transmission with intelligence (ECT-i) with sequential shift mode	
Gear Ratios	XLE, Limited, XSE Nightshade, Touring, TRD	XLE AWD, Limited AWD
1 st	5.519	5.250
2 nd	3.184	3.028
3 rd	2.050	1.950
4 th	1.491	1.456
5 th	1.234	1.220
6 th	1.000	1.000
7 th	0.800	0.808
8 th	0.673	0.673
Reverse	4.220	4.014
Differential Ratio	2.561 (XLE, Limited, XSE Nightshade, Touring, TRD) Fr: 3.177 / RR: 2.277 (XLE AWD, Limited AWD)	
CHASSIS AND BODY		
Suspension	- Front	Independent MacPherson strut front suspension with stabilizer bar; Adaptive Variable Suspension system (AVS) (Touring); TRD-track-tuned coiled springs (TRD)
	- Rear	Multi-link rear suspension w/ stabilizer bar and springs; Adaptive Variable Suspension system (AVS) (Touring); TRD track-tuned coil springs (TRD)
	- Stabilizer Bar Diameter (mm front/rear)	24.2 / 25 (XLE) 27 / 27 (XSE Nightshade, Touring, TRD) 25.4 / 25.4 (Limited) 25.4 / 25.4 (XLE AWD, Limited AWD)
Steering	- Type	Electric Power Steering (EPS): rack-and-pinion with electric power-assist
	- Turning Circle Diameter (curb-to-curb)	37.7 ft. (XLE, XLE AWD) 38.7 (Limited, Limited AWD) 38.6 (XSE Nightshade, TRD) 38.7 (Touring)
Brakes	- Front Type	Power-assisted Ventilated disc

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- Front Diameter	11.65 in. (XLE, XSE Nightshade, Limited, Touring); 12.0 in. (XLE AWD, Limited AWD); 12.9 in. (TRD)
- Rear Type	Solid Disc
- Rear Diameter	11 in. (XLE, XSE Nightshade, Limited, Touring); 11.6 in. (TRD, XLE AWD, Limited AWD)
- Parking	Automatic Electric Parking Brake
Anti-lock Brake System (ABS)	Standard
Wheels	17-in. silver-painted alloy wheels w/ P215/55/R17 tires (XLE, XLE AWD) 18-in. super chrome alloy wheels w/ P235/45R18 tires (Limited, Limited AWD) 19-in. black-painted alloy wheels w/ P235/40R19 tires (XSE Nightshade) 19-in. black-painted machined finish alloy wheels w/ P235/40R19 tires (Touring) 19-in. TRD matte black alloy wheels w/ P235/40R19 tires (TRD)
Tire Type	All-season steel-belted radial blackwalls Summer (optional on TRD)
Spare Tire/Wheel	Temporary (T155/70D17)

EXTERIOR DIMENSIONS	
Wheelbase	113.0 in.
Overall Length	195.9 in.
Overall Width	72.8 in.
Overall Height	56.5 in. (XLE, XSE Nightshade, Limited, Touring) 56.7 in. (XLE AWD, Limited AWD) 55.9 in. (TRD)
Tread Width - Front/Rear	63.0 / 63.6 in. (XLE, XLE AWD) 62.6 / 63.2 (Limited AWD) 62.6 / 63.4 in. (Limited, XSE Nightshade, TRD, Touring)
Ground Clearance	5.3 in. (XLE, Limited, XSE Nightshade, Touring, TRD)

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	5.9 in. (XLE AWD) 5.8 in. (Limited AWD)
Coefficient of Drag (Cd)	0.27

INTERIOR DIMENSIONS			
Seating Capacity	5		
Headroom	w/o moonroof	w/ moonroof	
- First	38.5 in.	37.4 in.	
- Second	37.9 in.	37.5 in. (XLE, Limited, XSE Nightshade, Touring, TRD) 37.1 in. (XLE AWD, Limited AWD)	
Legroom			
- First	42.1 in.		
- Second	40.3 in. (XLE, Limited, XSE Nightshade, Touring, TRD) 40.4 (XLE AWD, Limited AWD)		
Shoulder Room			
- First	58.3 in.		
- Second	57.1 in.		
Hip Room			
- First	55.8 in.		
- Second	54.8 in. (XLE, Limited, XSE Nightshade, Touring, TRD) 54.7 (XLE AWD, Limited AWD)		
EPA Cargo Volume			
- Rear Seatbacks Up	16.09 cu. ft.		
Passenger Volume	102.6 cu. ft. (XLE AWD, Limited AWD w/ moonroof)		

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	102.9 cu. ft. (XLE, Limited, XSE Nightshade, TRD, Touring w/ moonroof) 103.8 cu. ft. (XLE AWD wo/o moonroof) 104.3 cu. ft. (XLE w/o moonroof)
EPA Class	Midsize

WEIGHTS AND CAPACITIES	
Curb Weight	3,570 lbs. (XLE) 3,580 lbs. (XLE AWD) 3,695 lbs. (Limited) 3,705 lbs. (Limited AWD) 3,670 lbs. (XSE Nightshade) 3,715 lbs. (Touring) 3,655 lbs. (TRD)
Fuel Capacity	14.4 gal. (XLE AWD, Limited AWD) 14.5 gal. (XLE) 15.8 gal. (Limited, XSE, TRD, Touring)

EXTERIOR FEATURES BY GRADE (— = Not Available, P = Package, S = Standard)					
	XLE, XLE AWD	Limited, Limited AWD	Touring	XSE Night shade	TRD
LED reflector headlamps and LED DRL with auto on/off feature	S	-	-	-	-
LED reflector headlamps with smoked chrome bezel and on/off feature; LED DRL with auto on/off feature f	-	-	-	S	S
LED headlamps with smoked chrome bezel and on/off feature; fully integrated LED DRL with auto on/off feature and laser ablation design with dynamic turn signal, Adaptive Cornering Lights	-	S	S	-	-
LED tail lights	S	-	-	S	S
LED tail lights with laser ablation design and dynamic turn signal	-	S	S	-	-
Front chrome grille surround with dark gray insert	S	S	-	-	-
Front piano black grille with sport mesh insert	-	-	S	S	S

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TRD piano-black front splitters, side aero skirts, and rear diffuser with red pin striping	-	-	-	-	S
Gloss black rear spoiler	-	-	S	S	-
TRD gloss black rear spoiler	-	-	-	-	S
Black rear Toyota emblem and "AVALON" lettering	-	-	-	S	S
Black "AVALON" lettering	-	-	S	-	-
Red TRD badge	-	-	-	-	S
Midnight Black Metallic roof	-	-	-	-	S
Black door handles	-	-	-	S	-
Color-keyed door handles	S	S	S	-	S
Black shark fin antenna	-	-	-	S	-
Color-keyed shark fin antenna	S	S	S	-	S
Black gloss window trim	-	-	-	S	S
Color-keyed heated power outside mirrors with turn signal and blind spot warning indicators	S	-	-	-	-
Color-keyed heated power outside mirrors with turn signal and blind spot warning indicators, memory features, and driver side auto-dimming	-	S	-	-	-
Gloss black heated power outside mirrors with turn signal and blind spot warning indicators, memory feature, and driver side auto-dimming	-	-	S	-	-
Gloss black heated power outside mirrors with turn signal and blind spot warning indicators	-	-	-	S	S
Aerodynamic front tangential venting	S	S	S	S	S
Power tilt/slide moonroof with sliding sunshade	P	S	S	S	S
Matte black center cap with red TRD logo	-	-	-	-	S
Washer-linked variable intermittent windshield wipers	S	S	S	S	S
Acoustic noise-reducing windshield and driver and front passenger side windows	S	S	S	S	S
High Solar Energy-Absorbing (HSEA) glass	S	S	S	S	S
Dual exhaust with chrome tips	S	S	-	-	-
Dual exhaust with quad chrome tips	-	-	S	S	-
TRD cat-back dual exhaust with polished stainless steel tips	-	-	-	-	S
Intake Sound Generator (ISG)	-	-	S	S	S
Sport sound-tuned exhaust	-	-	S	P	-
Paint protection film	S	S	S	S	S

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INTERIOR FEATURES BY GRADE (— = Not Available, P = Package, S = Standard)					
	XLE, XLE AWD	Limited, Limited AWD	Touring	XSE Night shade	TRD
Dual zone automatic climate control with air filter and rear-seat vents	S	S	S	S	S
Auto Engine Shut Off	S	S	S	S	S
Active Noise Control (ANC)	-	-	S	P	-
Engine Sound Enhancement (ESE)	-	-	S	P	-
Qi-compatible wireless charging system	P	S	S	S	S
Integrated backup camera with dynamic gridlines	S	S	S	S	S
7-in. TFT Multi-Information Display with customizable settings, odometer, outside temperature, fuel economy and trip information, current/average fuel economy, distance to empty, average speed, trip distance with timer, TPMS, scheduled maintenance, compass and warning messages.	S	S	S	S	-
7-in. TFT Multi-Information Display with TRD start-up animation, customizable settings, odometer outside temperature, fuel economy and trip information, current/average fuel economy, distance to empty, average speed, trip distance with timer, TPMS, scheduled maintenance, compass and warning messages.	-	-	-	-	S
SofTex® - trimmed heated front seats, 8-way adjustable driver's seat with 2-way power lumbar; 8-way adjustable passenger seats	S	-	-	-	-
SofTex® - trimmed seats with perforation + ultra suede heated front seats, 8-way adjustable driver's seat with 2-way power lumbar; 8-way adjustable passenger seats	-	-	-	S	-
SofTex® - trimmed seats with red seat belts, stitching and fabric inserts, red stitched TRD headrest logo, perforation + ultra suede heated front seats, 8-way adjustable driver's seat with 2-way power lumbar; 8-way adjustable passenger seats	-	-	-	-	S

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SofTex® - trimmed seats with perforation + ultra suede heated and ventilated front seats, 8-way adjustable driver's seat with 4-way power lumbar; 8-way adjustable passenger seats with 4-way power lumbar	-	-	S	-	-
Premium leather-trimmed heated and ventilated front seats, 8-way adjustable driver's seat with 4-way power lumbar; 8-way adjustable passenger seats with 4-way power lumbar	-	S	-	-	-
60/40 split folding rear seats with 2 adjustable and 1 fixed headrest, armrest with cup holders	S	S	S	S	S
Heated rear seats	-	S	S	-	-
Full-Speed Range Dynamic Radar Cruise Control (DRCC)	S	S	S	S	S
Tilt & telescopic leather steering wheel with multi-information display, audio Bluetooth® hands-free and voice-command controls	S (XLE)	-	-	-	-
Tilt & telescopic premium leather steering wheel, multi-information display, paddle shifters, audio Bluetooth® hands-free and voice-command controls	-	-	-	S	-
Tilt & telescopic premium leather steering wheel with red stitching, multi-information display, paddle shifters, audio Bluetooth® hands-free and voice-command controls	-	-	-	-	S
Heated tilt & telescopic premium leather steering wheel with memory function, multi-information display, paddle shifters, audio Bluetooth® hands-free and voice-command controls			S		
Heated tilt & telescopic premium leather steering wheel with multi-information display, audio Bluetooth® hands-free and voice-command controls	S (XLE AWD)	-		-	-
Heated tilt & telescopic premium leather steering wheel with memory function (no memory function on AWD), multi-information display, audio Bluetooth® hands-free and voice-command controls	-	S	-	-	-
3-Mode Switch (Eco, Normal, Sport	S	S	-	S	S

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4-Mode Switch (Eco, Normal/Custom, Sport, Sport +)			S		
10-in color Head-Up Display (HUD) with customizable settings, speedometer, navigation, shift position, compass, TSS-P indicators, audio, phone, outside temperature and adjustable brightness	-	S	S	-	-
Bird's Eye View Camera with Perimeter Scan, overhead 360-degree view in Drive and Reverse, and curb view	-	P	P	-	-
Hydrographic interior trim	S	-	-	-	-
Genuine aluminum interior trim	-	-	S	S	-
Genuine aluminum interior trim and red stitched accents	-	-	-	-	S
Genuine wood interior trim	-	S	-	-	-
Black leather shift knob with red stitching and embossed TRD	-	-	-	-	S
Black floor mats with red "AVALON TRD" logo and red outline	-	-	-	-	S
Aluminum pedal covers	-	-	S	S	S
Ambient lighting for cup holders, side of console and door handles	-	S	S	-	-
Smart Key System on front doors and trunk with Push Button Start, remote keyless entry system and remote illuminated entry	S	S	S	S	S
Power windows with 4-window auto up/down, jam protection and retained-power features	S	S	S	S	S
Rear window defogger with timer	S	S	S	S	S
Power door locks with shift-linked automatic locking feature with anti-lockout feature	S	S	S	S	S
Auto-dimming rearview mirror	S	-	-	-	-
Auto-dimming rearview mirror and HomeLink® universal transceiver	-	-	-	S	S
Frameless auto-dimming rearview mirror and HomeLink® universal transceiver	-	S	S	-	-
Overhead console with maplights and safety connect button	S	S	S	S	S
Covered center console, armrest and storage	S	S	S	S	S
One 12V auxiliary power outlet	S	S	S	S	S
Four USB charge ports	S	S	S	S	S

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Dual sun visors with sliding extensions and illuminated vanity mirrors	S	S	S	S	S
Two front and two rear cup holders; two front door and two rear bottle holders	S	S	S	S	S
Electric Parking Brake (EPB) with Brake Hold function	S	S	S	S	S

PACKAGES AND OPTIONS BY GRADE (— = NOT AVAILABLE, O = OPTION)					
	XLE, XLE AWD	Limited, Limited AWD	Touring	XSE Night shade	TRD
Premium Audio with Dynamic Navigation and JBL® w/ Clari-Fi™ with 14 speakers	O	-	-	-	O
Premium Audio with Dynamic Navigation and JBL® w/ Clari-Fi™ with 14 speakers and Active Noise Control (ANC) and Engine Sound Enhancement (ESE)	-	-	-	O	-
Moonroof Package: includes power tilt/slide moonroof with sliding sunshade and Qi-compatible wireless charging system	O	-	-	-	-
Advanced Safety Package: includes Bird's Eye View Camera with Perimeter Scan, Intelligent Clearance Sonar (ICS) with Rear Cross-Traffic Braking (RCTB)	-	O	O	-	-
19" x 8.5" TRD matte black alloy wheels with P235/40R19 summer tires	-	-	-	-	O

AUDIO OPTIONS BY GRADE (— = NOT AVAILABLE, P = PACKAGE, S = STANDARD)					
	XLE, XLE AWD	Limited, Limited AWD	Touring	XSE Night shade	TRD
Audio Plus — 9-in touchscreen, 8 speakers [including subwoofer and amplifier], USB media port, 4 USB charge ports, hands-free phone capability and music streaming via Bluetooth® wireless technology, Android Auto™ & Apple CarPlay® & Amazon Alexa compatible, SiriusXM® with 3-month All Access trial. See	S	-	-	S	S

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<p>Toyota.com/audio-multimedia for details. Connected Services — Safety Connect® with 1-year trial, Service Connect with 10-year trial, Remote Connect with 1-year trial, Wi-Fi Connect with up to 2 GB within 3-month trial. See 1toyota.com/connected-services for details.</p>					
<p>Premium Audio, Dynamic Navigation with 3-year trial — 9-in touchscreen, 14 [JBL®] speakers [including subwoofer and amplifier], USB media port, 5 USB charge ports, hands-free phone capability and music streaming via Bluetooth® wireless technology, Android Auto™ & Apple CarPlay® & Amazon Alexa compatible, SiriusXM® with 3-month All Access trial. See Toyota.com/audio-multimedia for details. Connected Services — Safety Connect® with 1-year trial, Service Connect with 10-year trial, Remote Connect with 1-year trial, Wi-Fi Connect with up to 2 GB within 3-month trial, Destination Assist with 1-year trial. See 1toyota.com/connected-services for details.</p>	P	S	S	P	P

SAFETY FEATURES BY GRADE (— = NOT AVAILABLE, P = PACKAGE, S = STANDARD)					
	XLE, XLE AWD	Limited, Limited AWD	Touring	XSE Night shade	TRD
Auto Engine Shut Off	S	S	S	S	S
Star Safety System™ — includes Enhanced Vehicle Stability Control (VSC), Traction Control (TRAC), 4-wheel Anti-lock Brake System (ABS), Electronic Brake-force Distribution (EBD), Brake Assist (BA) and Smart Stop Technology® (SST)	S	S	S	S	S
Ten airbags — includes driver and front passenger Advanced Airbag System, driver and front passenger seat-mounted side airbags, driver and front passenger knee airbags, rear seat-mounted side airbags, and front and rear side curtain airbags	S	S	S	S	S
Driver and front passenger Whiplash-Injury-Lessening (WIL) seats	S	S	S	S	S



3-point seatbelts for all seating positions; driver-side Emergency Locking Retractor (ELR) and Automatic/Emergency Locking Retractor (ALR/ELR) on all passenger seatbelts	S	S	S	S	S
LATCH (Lower Anchors and Tethers for Children) includes lower anchors on outboard rear seats	S	S	S	S	S
Child-protector rear door locks and power window lockout control	S	S	S	S	S
Energy-absorbing collapsible steering column	S	S	S	S	S
Front and rear energy-absorbing crumple zones	S	S	S	S	S
Side-impact door beams	S	S	S	S	S
Tire Pressure Monitor System (TPMS) with direct pressure readout	S	S	S	S	S
Safety Connect® — includes Emergency Assistance, Stolen Vehicle Locator, Roadside Assistance and Automatic Collision Notification. Available by subscription. 3-year trial subscription.	S	S	S	S	S
Toyota Safety Sense™ P (TSS-P) – Pre-Collision System with Pedestrian Detection, Lane Departure Alert with Steering Assist, Automatic High Beams and Full-Speed Range Dynamic Radar Cruise Control	S	S	S	S	S
Blind Spot Monitor and Rear Cross-Traffic Alert	S	S	S	S	S
Intelligent Clearance Sonar (ICS) with Rear Cross-Traffic Braking (RCTB)	-	P	P	-	-
Hill Start Assist Control (HAC)	S	S	S	S	S
Anti-theft system with alarm & Immobilizer	S	S	S	S	S

AVAILABLE EXTERIOR COLORS

- Windchill Pearl (XLE, XSE Nightshade, Touring, Limited)
- Celestial Silver Metallic (XLE, XSE Nightshade, Touring, Limited)
- Harbor Gray Metallic (XLE, Touring, Limited)
- Windchill Pearl with Midnight Black Metallic Roof (TRD)
- Ice Edge with Midnight Black Metallic Roof (TRD)
- Midnight Black Metallic (XLE, XSE Nightshade, Touring, Limited, TRD)
- Ruby Flare Pearl (XLE, Touring, Limited)
- Supersonic Red (XLE, Touring, Limited)
- Opulent Amber (XLE, Limited)



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- Blueprint ((XLE, Touring, Limited)

BASIC LIMITED WARRANTY COVERAGE

- 3-year/36,000-mile Comprehensive
- 5-year/60,000-mile Powertrain
- 5-year/unlimited-mileage Corrosion Perforation
- ToyotaCare – Complimentary maintenance plan with the purchase or lease of every new Toyota. For 2 years or 25,000 miles, whichever comes first, every new Toyota will be covered for all normal factory scheduled service, as well as 24/7 roadside assistance.

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