



2018 Avalon Hybrid Product Information

#Avalon #Hybrid

HYBRID POWER SYSTEM	
Hybrid System Net Horsepower	200 hp
ENGINE	
Type, Materials	2.5-liter, 4-cylinder, aluminum alloy block with aluminum alloy head
Valvetrain	16-valve DOHC with VVT-i
Displacement	2,494 cc
Bore x Stroke	3.54 x 3.86 in.
Compression Ratio	12.5:1
Horsepower (SAE Net)	156 hp @ 5,700 rpm
Torque	156 lb-ft @ 4,500 rpm
Recommended Fuel	87-octane or higher - unleaded
Emission Certification	LEV3
EPA Estimated Fuel Economy* (city/highway/combined MPG)	40/39/40
ELECTRIC MOTOR	
Type	Permanent Magnet AC Synchronous Motor
Electric Motor Power Output	105 kW/4,500 RPM
Torque	199 lb-ft @ 0-1,500 RPM
HYBRID BATTERY PACK	
Type	Sealed Nickel-Metal Hydride (Ni-MH)
Nominal Voltage	244.8 V (204 cells, 1.2V/cells)
Capacity	6.5 ampere hour
System Voltage	650 volts maximum

*2018 EPA estimated MPG - Actual mileage will vary.

DRIVETRAIN	
Transmission Type	Electronically Controlled Continuously Variable Transmission
Final Drive Ratio	3.54 to 1

CHASSIS AND BODY		
Suspension	- Front	MacPherson strut with torsion bar
	- Rear	Dual link Independent MacPherson strut with torsion bar



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	- Stabilizer Bar Diameter (front/rear)	25 mm/ 16 mm (0.98 in. / 0.63 in.)
Steering	- Type	Electric Power Steering (EPS): rack-and-pinion with electric power-assist
	- Overall Ratio	14.8 to 1
	- Turning Circle Diameter (curb-to-curb)	40.0 ft.
Brakes	- Type	Electronically Controlled Brake system (ECB)
	- Front	Ventilated disc with standard Anti-Lock Brake system (ABS), Brake Assist (BA) and integrated regenerative brake system
	- Front Diameter	11.7 in. x 1.10 in.
	- Rear	Solid disc with standard Anti-lock Brake System (ABS), Brake Assist (BA) and integrated regenerative brake system
	- Rear Diameter	11.1 in. x 0.40 in.
	- Parking	Foot pedal type
Anti-lock Brake System (ABS)		Standard
Wheel Size		17.0 x 7.0 in.
Wheel Type and Material		Multi-spoke design unique to Avalon Hybrid in Aluminum Alloy
Tire Size		P215/55R17
Tire Type		All Season
Spare Tire/Wheel		Temporary T155/70D17/17 x 4T

EXTERIOR DIMENSIONS		
Wheelbase		111.0 in.
Overall Length		195.3 in.
Overall Width		72.2 in. (82.4 in. with mirrors)
Overall Height		57.5 in.
Tread Width	- Front/Rear	62.6/62.2 in.
Ground Clearance		5.5 in.
Coefficient of Drag		0.28



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INTERIOR DIMENSIONS		
Seating Capacity		5
Headroom	- Front/Rear	37.6/37.9 in.
Legroom	- Front/Rear	42.1/39.2 in.
Shoulder Room	- Front/Rear	58.2/57.0 in.
Hip Room	- Front/Rear	55.1/54.6 in.
EPA Passenger Volume		102.3 cu. ft. w/ moonroof
EPA Cargo Volume		14.0 cu. ft.
EPA Class		Midsize sedan

WEIGHTS AND CAPACITIES	
Curb Weight	3,594 lbs. (XLE Premium and XLE Touring) 3,638 lbs. (Limited)
Fuel Capacity	17.0 gal.
Oil Capacity	4.7 qt.

STANDARD EXTERIOR FEATURES

Hybrid XLE Plus

- Quadrabeam halogen headlights with auto on/off feature and Daytime Running Lights (DRL) with on/off feature
- Smoked LED taillights
- Front chrome grille surround with dark gray metallic insert
- Color-keyed heated power outside mirrors with turn signal indicators and manual folding feature
- Power tilt/slide moonroof with sliding sunshade
- 17-inch Dark Gray-painted alloy wheels with Machined Finish with P215/55R17 tires
- Washer-linked variable intermittent windshield wipers
- Acoustic noise-reducing windshield and driver and front passenger side windows
- Hidden exhaust with chrome-accented cover

Hybrid XLE Premium (in addition to or in place of Hybrid XLE Plus features)

- Outside mirrors memory system

Hybrid Limited (in addition to or in place of Hybrid XLE Premium features)

- High Intensity Discharge (HID) Quadrabeam headlights with auto on/off feature and LED Daytime Running Lights (DRL) with on/off feature
- Color-keyed heated, auto-dimming power outside mirrors with turn signal indicators, puddle lights and manual folding feature
- Super Chrome alloy wheels with P215/55R17 tires
- Rain-sensing washer-linked variable intermittent windshield wipers

STANDARD INTERIOR FEATURES

Hybrid XLE Plus

- Dual zone automatic climate control with air filter and rear-seat vents
- Intelligent Touch controls for climate control and audio system
- Leather-trimmed tilt/telescopic steering wheel with audio, Multi-Information Display, and Bluetooth hands-free phone controls and voice command controls
- Optitron instrumentation with speedometer, hybrid system power meter, coolant temperature, fuel gauges; TFT Multi-Information Display with customizable settings, odometer, tripmeter, tachometer, current/average fuel economy, distance to empty, speed, shift-position indicator, EV, ECO and Sport Mode indicators, energy monitor and warning messages
- Leather-trimmed multi-stage heated front seats; 8-way power-adjustable driver's seat with power lumbar support; 4-way power-adjustable front passenger seat
- Rear seat with center armrest cup holders and trunk pass-through
- Wood-grain-style interior trim with smoked chrome interior accents and door handles
- Smart Key System on front doors and trunk with Push Button Start and remote illuminated entry
- Power door locks with shift-linked automatic lock/unlock feature and anti-lockout features
- Power windows with auto up/down and jam protection in all positions and retained-power features
- Rear window defogger with timer
- Auto-dimming rearview mirror with compass, maplights and Homelink® universal transceiver
- Covered center console with sliding cover and armrest, storage compartment and two front cupholders
- Illuminated glove compartment
- eBin sliding electronic device holder with wire management feature and illuminated interior storage with two 12V auxiliary power outlets, auxiliary audio jack and USB port
- Resin scuff plate doorsills
- Three 12V auxiliary power outlets (two in eBin and one in center-console storage compartment)

Hybrid XLE Premium (in addition to or in place of Hybrid XLE Plus features)

- Driver's seat memory system
- eBin™ sliding electronic device holder with wire management feature and illuminated interior storage with one 12V auxiliary power outlet, auxiliary audio jack and USB port
- Qi-compatible wireless smartphone charging [with full charge indicator light] device.
- Two 12V auxiliary power outlets (one in eBin and one behind the center-console storage compartment)

Hybrid Limited (in addition to or in place of Hybrid XLE Premium features)

- Navigation with turn-by-turn directions on TFT Multi-Information Display
- Three-zone climate control with air filter and rear-seat vents
- Premium leather-trimmed tilt/telescopic steering wheel with audio, Multi-Information Display, Bluetooth® hands-free phone and voice command controls
- Premium perforated leather-trimmed multi-stage heated and ventilated front seats; 10-way power-adjustable driver's seat with power lumbar support and power cushion extension; 8-way power-adjustable front passenger seat
- Optitron instrumentation with speedometer, hybrid system power meter, coolant temperature, fuel gauges; TFT Multi-Information Display with customizable settings, odometer, tripmeter, tachometer, current/average fuel economy, distance to empty, speed, shift-position indicator, navigation with turn-by-turn directions (Limited only), EV, ECO and Sport Mode indicators, energy monitor and warning messages
- Heated rear seats

- White ice interior ambient lighting
- Power rear window sunshade
- Aluminum scuff plate doorsills

STANDARD AUDIO SYSTEMS

Hybrid XLE Plus

- Entune™ Audio Plus with Connected Navigation App - includes the Entune Multimedia Bundle (7-inch high resolution touch-screen display, AM/FM CD player, MP3/WMA playback capability, eight speakers, auxiliary audio jack, USB 2.0 port with iPod® connectivity and control, advanced voice recognition, hands-free phone capability, phone book access and music streaming via Bluetooth wireless technology), Scout® GPS Link App, Siri® Eyes Free, SiriusXM® Satellite Radio with 3-month complimentary SiriusXM All Access trial, HD Radio™, HD Radio traffic and weather in major metro areas, and integrated backup camera display with projected path.

Hybrid XLE Premium

- Entune Premium Audio with Integrated Navigation and App Suite - includes the Entune Multimedia Bundle (7-inch high resolution touch-screen with split screen display, AM/FM CD player with MP3/WMA playback capability, nine speakers, auxiliary audio jack, USB 2.0 port with iPod connectivity and control, advanced voice recognition, hands-free phone capability, phone book access and music streaming via Bluetooth wireless technology), Siri Eyes Free, Entune App Suite, HD Radio, HD Radio predictive traffic and Doppler weather overlay, AM/FM cache radio, SiriusXM Satellite Radio with 3-month complimentary SiriusXM All Access trial, and Gracenote album cover art and integrated backup camera display with projected path.

Hybrid Limited

- Entune Premium JBL Audio with Integrated Navigation and App Suite - includes the Entune Multimedia Bundle (7-inch high resolution touch-screen with split screen display, AM/FM CD player with MP3/WMA playback capability, 11 JBL® GreenEdge™ speakers in nine locations including subwoofer and amplifier, auxiliary audio jack, USB 2.0 port with iPod connectivity and control, advanced voice recognition, hands-free phone capability, phone book access and music streaming via Bluetooth wireless technology), Siri Eyes Free, Entune App Suite, HD Radio, HD Radio predictive traffic and Doppler weather overlay, AM/FM cache radio, SiriusXM Satellite Radio with 3-month complimentary SiriusXM All Access trial, and Gracenote album cover art and with integrated backup camera display with projected path.

**Entune App Suite - includes Destination Search, iHeartRadio, MovieTickets.com, OpenTable, Pandora, Facebook Places, and Yelp and Slacker Radio; real-time info including traffic, weather, fuel prices, sports and stocks. Access to Entune App Suite is subscription free. See toyota.com/entune for details.*

STANDARD SAFETY AND SECURITY

- Toyota Safety Sense™ P (TSS-P) - Pre-Collision System with Pedestrian Detection (PCS w/ PD), Lane Departure Alert with Steering Assist (LDA w/ SA), Auto High Beams (AHB), Dynamic Radar Cruise Control (DRCC)
- STAR Safety System™ - includes Vehicle Stability Control (VSC), Traction Control (TRAC), Anti-lock Brake System (ABS), Electronic Brake-force Distribution (EBD), Brake Assist (BA) and Smart Stop Technology (SST)
- 10 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



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- Driver and front passenger Whiplash-Injury-Lessening (WIL) seats
- Three-point seatbelts for all seating positions, driver-side Emergency Locking Retractor (ELR) and Automatic/Emergency Locking Retractor (ALR/ELR) on all passenger belts
- LATCH (Lower Anchors and Tethers for Children) includes lower anchors on outboard rear seats and tether anchors on outboard rear seats
- Child-protector rear door locks
- Energy-absorbing collapsible steering column
- Front and rear energy-absorbing crumple zones
- Side-impact door beams
- Collision sensors: deactivate high-voltage battery
- Tire Pressure Monitor System (TPMS) with direct pressure readout and individual tire location alert
- Anti-theft system with engine immobilizer
- Safety Connect® – includes Emergency Assistance, Stolen Vehicle Locator, Roadside Assistance and Automatic Collision Notification. Available by subscription. Complimentary one-year trial subscription. (Limited only)
- Blind Spot Monitor (BSM) and Rear Cross-Traffic Alert (RCTA) (Excludes XLE Plus)

AVAILABLE EXTERIOR COLORS

- Blizzard Pearl
- Celestial Silver Metallic
- Magnetic Gray Metallic
- Cosmic Gray Mica
- Midnight Black Metallic
- Sizzling Crimson Mica
- Ooh La La Rouge Mica
- Crème Brulee Mica
- Parisian Night Pearl

BASIC LIMITED WARRANTY COVERAGE

- 3-year/36,000-mile Comprehensive
- 5-year/60,000-mile Powertrain
- 5-year/unlimited-mileage Corrosion Perforation
- 8-year/100,000-mile Hybrid-related Component Coverage
- 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.