

ENGINE	FOUR-CYLINDER	V6
Type, Materials	2.7-liter, four-cylinder, double- overhead cam, 16-valve with Dual VVT-i	3.5-liter, six-cylinder, double- overhead cam, 24-valve with Dual VVT-i
Valvetrain	DOHC, 4-valve/cylinder	DOHC, 4-valve/cylinder
Displacement	2,672	3,456 cc
Bore x Stroke	3.54x4.13 in.	3.70 x 3.27 in.
Compression Ratio	10.0:1	10.8:1
Horsepower	187 hp @5,800	270 hp @ 6,200 rpm
Torque	186 lb-ft @ 4,100 rpm	248 lb-ft @ 4,700 rpm
Ignition System	Electronic, Toyota Direct Ignition (TDI)	Electronic, Toyota Direct Ignition (TDI)
Fuel System	EFI	EFI
Recommended Fuel	87-octane unleaded or higher	87-octane unleaded or higher
Emission Certification	ULEV-II	ULEV-II
EPA Estimated Fuel Economy* (city/highway/combine MPG)	20/27/22 (2WD) 4WD N/A	18/24/20 (2WD) 17/23/19 (4WD)

^{*2009} EPA MPG Estimates. Actual mileage will vary.

DRIVETRAIN	FOUR-CYLINDER	V6
Layout	2WD	2WD/4WD
Transmission Type	6-speed ECT automatic	5-speed ECT automatic
Gear Ratios		
1 st	3.300	4.235
2 nd	1.900	2.360
3 rd	1.420	1.517
4 th	1.000	1.047
5 th	0.713	0.756
6 th	0.608	-
Reverse	4.148	3.378
Differential Ratio	4.356	3.478



CHASSIS AN	D BODY	FOUR-CYLINDER	V6
Suspension	- Front	Independent MacPherson strut with L-shaped lower arm with stabilizer bar	Independent MacPherson strut with L-shaped lower arm with stabilizer bar
	- Rear	Dual link MacPherson struts	Dual link MacPherson struts
	 Stabilizer Bar Diameter (front/rear) 	1.02 / 0.55 in.	1.02 / 0.55 in.
Steering	- Type	Electric Power Steering	Electric Power Steering
	- Overall Ratio	17:1	17:1
	- Turns (lock to lock)	3.1 turns	3.1 turns
	 Turning Circle Diameter (curb to curb) 	38.7 ft.	38.7 ft.
Brakes	Front - type/diameterFront Swept Area	Twin piston steel calipers with ventilated discs /12.9 in.	Twin piston steel calipers with ventilated discs /12.9 in.
	- Rear - type/diameter	80.0 sq in.	80.0 sq in.
	- Rear Swept Area - Total Swept Area	Single piston aluminum caliper with solid disc /12.2 in.	Single piston aluminum caliper with solid disc /12.2 in.
	- Parking	43.9 sq in.	43.9 sq in.
	- Brake Booster Type	123.9 sq in.	123.9 sq in.
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Foot applied pedal/foot release	Foot applied pedal/foot release
		Integral, vacuum	Integral, vacuum
Anti-lock Brak	e System (ABS)	Standard	Standard
Wheel Size		7.5 x 17 in. (Base)	7.5 x 17 in. (Base) 7.5 x 19 in. (Sport/Limited)
Wheel Type a	nd Material		Machined aluminum alloy
Tire Size		P245/65 R17 (Base)	P245/65 R17 (Base)
		(2000)	P245/55 R19 (Sport/Limited)
Tire Type		All-season steel-belted radial	All-season steel-belted radial
Spare Tire/Wheel		Full-size/17-inch (Base)	Full-size/17-inch (Base)
,		` ,	Full-size/19-inch (Sport/Limited)



EXTERIOR DIMENSIONS	FOUR-CYLINDER	V6
Wheelbase	109.8 in.	109.8 in.
Overall Length	188.4 in.	188.4 in.
Overall Width	75.2 in.	75.2 in.
Overall Height		
(without roof rails, Base only)	68.1 in.	68.1 in.
(with roof rails)	69.3 in.	69.3 in.
Tread Width (Front/Rear)	64.0/64.2 in.	64.0/64.0 in.
Ground Clearance	7.8 in.	8.1 in.
Angle of Approach/Departure	29/24 degrees (2WD)	29/24 degrees (2WD)
	29/24 degrees (4WD)	29/24 degrees (4WD)

INTERIOR DIMENSIONS			
Seating Capacity	7	7	
	5 (with two row se	5 (with two row seat package, 2WD models only)	
Headroom	w/out moonroof	w/moonroof	
- First Row	39.7 in.	40.6 in	
- Second Row	40.1 in.	40.1 in.	
- Third Row	36.3 in.	36.3 in.	
Legroom			
- First Row	43.2 in.		
- Second Row	38.3 in.		
- Third Row	29.9 in.		
Shoulder Room			
- First Row	59.7 in.		
- Second Row	59.5 in.		
- Third Row	55.0 in.		
Hip Room			
- First Row	56.7 in.		
- Second Row	56.5 in.		
- Third Row	42.3 in.		
EPA Interior Volume	156.0 cu. ft.		
EPA Passenger Volume	145.7 cu. ft.		
EPA Cargo Volume			
Behind 1 st row seat	95.4 cu. ft.		
Behind 2 nd row seat	42.3 cu. ft.		
Behind 3 rd row seat	10.3 cu. ft.		
EPA Class	Mid-size SUV		



WEIGHTS AND CAPACITIES	FOUR-CYLINDER	V6
Curb Weight (2WD/4WD)	3,847 lbs. (Base) 4WD N/A	3,979/4,178 lbs. (Base) 4,045/4,255 lbs. (Sport) 4,112/4,321 lbs. (Limited)
GVWR (2WD/4WD)	5,500 lbs. 4WD N/A	5,800/6,000 lbs.
Payload (2WD/4WD)	1,653 lbs. (Base) 4WD N/A	1,821/1,622 lbs. (Base) 1,755/1,745 lbs. (Sport) 1,888/1,679 lbs. (Limited)
Maximum Towing Weight	1,500 lbs. standard 3,500 lbs. w/tow prep package	2,000 lbs. standard 5,000 lbs. w/tow prep package
Maximum Tongue Weight	150 lbs. standard 350 lbs. w/tow prep package	200 lbs. standard 500 lbs. w/tow prep package
Fuel Capacity	19.2 gal.	19.2 gal.
Engine Oil	4.2 qt. 4.6 qt. (w/ oil filter)	6.0 qt. 6.4 qt. (w/ oil filter)
Cooling System (std./opt. Towing Prep Package)	1.85/2.0 gal.	2.48/2.61 gal.

2010 Highlander Product Information

Note: All specs are for both two-wheel drive (2WD) and four-wheel drive (4WD) unless otherwise noted.

STANDARD EXTERIOR FEATURES

Base

- 17-inch six spoke alloy wheels with 245/65 R17 tires and full- size spare on 17-inch alloy wheel
- Color-keyed bumpers, door handles, and foldable power remote outside mirrors
- Clear headlight and taillight lenses
- · Silver painted front grille and rear license plate garnish
- Rear spoiler with LED stop lamp
- Black fog lamp covers and rear step bumper top / lower cover
- · Front fender mounted mast antenna
- Halogen headlamps with auto-off feature
- UV reduction glass windshield
- Privacy glass on rear side, quarter and tailgate windows
- Washer-linked variable intermittent windshield wipers
- Rear window with electric defogger and intermittent wiper
- Multi-function remote keyless entry system

Sport (In addition to or in place of Base standard features)

- 19-inch five spoke alloy wheels with dark silver accents and 245/55 R19 tires and full-size spare on 19-inch alloy wheel
- Front grille w/smoked chrome grille surround and inserts and dark silver painted horizontal bars
- Dark silver painted license plate garnish
- Smoked headlight and taillight lenses
- Color-keyed bumper lower cover
- Integrated fog lamps
- In-glass antenna on rear quarter panel window
- Rear glass hatch w/opener on license plate garnish
- Color-keyed sport-styled rear spoiler with LED stop lamp
- Sport badging on front doors

Limited (In addition to or in place of Base standard features)

- 19-inch five spoke alloy wheels with light silver finish and 245/55 R19 tires and full-size spare on 19inch alloy wheels
- Rear glass hatch
- Foldable power heated outside mirrors w/puddle lamps
- Chrome exterior door handles
- Chrome grille surround and inserts and silver painted horizontal bars
- Chrome surround and silver painted license plate garnish
- Clear headlight and taillight lenses
- Rear spoiler with LED stop lamp
- Integrated fog lamps

2010 Highlander Product Information

Note: All specs are for both two-wheel drive (2WD) and four-wheel drive (4WD) unless otherwise noted.

STANDARD EXTERIOR FEATURES - CONT.

- Door scuff plate with Highlander logo
- Limited badging on front doors

STANDARD INTERIOR FEATURES

Base

- Defroster-linked CFC-free front air conditioning
- Center console with silver trim
- Up to seven passenger seating capacity
- Fabric-trimmed eight-way manually adjustable driver's and four- way passenger fabric seat w/two-way adjustable headrests
- Fabric-trimmed 40/20/40 2nd row seat w/armrests on outboard seats, fold flat, recline, fore and aft slide adjustment, one-touch right- hand walk-in function, plus Center Stow[™] seat, and Center Stow[™] console
- Fabric-trimmed 3rd row seat with fold down headrests and fold- flat-into-floor capability, two cup holders (Standard on V6 Base only, optional for 4-cylinder Base)
- Height adjustable headrests (1st and 2nd row only)
- Front center console w/six cup holders, console box, rear vents,(in roof with rear air conditioning option) and storage area for 2nd row Center Stow™ seat or Center Stow™ center console
- Optitron meters w/red graphics
- Power door locks and windows with driver's auto up/down with jam protection
- Auto door lock with shifter activation
- Cruise control
- Dual sun visors with vanity mirrors and sliding extensions
- Overhead console with conversation mirror, map lights and sunglasses holder
- LED illumination of center console
- Illuminated entry system includes interior lights
- Manual tilt and telescopic urethane steering wheel and shift knob
- Door panels with integrated speakers, storage pocket and ten cupholders/four bottles
- Two front and one cargo area 12-volt auxiliary power outlets
- Cargo area tie down hooks
- Scheduled maintenance indicator light
- Six assist grips
- Under floor storage in rear cargo area
- Color-keyed interior door handles and door grips
- Remote hood and fuel-filler door releases

Sport (In addition to or in place of Base standard features)

- Cargo area second-row seat one-touch fold-flat lever
- Tonneau cover
- Leather-wrapped steering wheel with audio and multi-function display controls

2010 Highlander Product Information

Note: All specs are for both two-wheel drive (2WD) and four-wheel drive (4WD) unless otherwise noted.

STANDARD INTERIOR FEATURES - CONT.

- Multi-function display (3.5-inch display) includes back-up monitor, clock, outside temperature, cruise
 information (avg. fuel economy, avg. speed, distance to empty, current fuel economy and trip timer),
 and warning messages
- Upgraded interior fabric seat material
- Fabric-trimmed eight-way power adjustable driver's and four- way manual passenger seat w/four-way adjustable headrests
- Interior door handles and door grips w/silver accents
- Dual sun visors with illumination, vanity mirrors, and sliding extensions
- 2nd row reading lamps

<u>Limited</u> (In addition to or in place of Base standard features)

- Leather-trimmed seats
- 10-way power adjustable driver seat and four-way power passenger seat, four-way adjustable headrests
- Smart entry with Start/Stop button
- Multi-function display includes back-up monitor, clock outside temperature, cruise information (avg. fuel economy, avg. speed, distance to empty, current fuel economy, and trip timer), warning messages, and HVAC output display
- Front CFC-free auto dual zone climate control system
- Leather-wrapped steering wheel w/ silver accents, audio, multi- function display, and front a/c controls
- Silver and satin mahogany wood-grain-style interior trim with chrome handle accents
- Chrome interior door handles and door grips with satin mahogany wood grain-style accents
- Cargo area second-row seat one-touch fold-flat lever
- HomeLink[®] universal transceiver
- Auto interior dimming rearview mirror with compass
- Tonneau cover
- Illuminated entry system includes interior lights plus exterior puddle lamps

STANDARD AUDIO SYSTEM

- Deluxe 3-in-1 AM/FM/CD with six speakers and MP3/WMA playback capability (Base/Sport)
- Auxiliary audio jack
- AM/FM/six-disc in-dash CD changer w/six speakers and MP3/WMA playback capability, and satellite radio ready (Limited)

STANDARD SAFETY AND SECURITY

- Driver and front passenger advanced airbags with occupant classification sensor
- Driver and front passenger seat-mounted side airbags: three-row roll-sensing side curtain airbags.
- Driver's knee airbag

2010 Highlander Product Information

Note: All specs are for both two-wheel drive (2WD) and four-wheel drive (4WD) unless otherwise noted.

STANDARD SAFETY AND SECURITY - CONT.

- Three-point seatbelts for all seating positions; Emergency Locking Retractors (ELR) on driver's belt;
 Automatic/Emergency Locking Retractors (ALR/ELR) on all passenger seatbelts; three-point front seatbelts with adjustable shoulder anchors
- Driver and front passenger active head rests
- STAR Safety System[™] includes Anti-lock Brake System (ABS) with Brake Assist (BA), Electronic Brake-force Distribution (EBD), Enhanced Vehicle Stability Control (VSC) and Traction Control (TRAC) with cut-off switch
- Child seat top (ISOFIX CRS) tether anchor brackets located behind the 2nd row for all seating positions
- Child seat lower (ISOFIX CRS) anchor brackets located in the lower portion of the 2nd row seat backs in outboard seating positions
- Available daytime running lights (standard on Sport and Limited models)
- Pretensioners and force limiters on driver and front passenger seatbelts
- Head impact protection structure (A and B pillar trim panels)
- Fuel cut-off system in a collision
- Direct type Tire Pressure Monitoring System (TPMS)
- Downhill Assist Control (DAC) Four-wheel drive only
- Hill-start Assist Control (HAC)
- · Side impact door beams
- Daytime running lights and auto on/off light control system (Sport/Limited)
- Back-up camera (Sport/Limited)
- Engine immobilizer (Sport)
- Anti-theft alarm w/engine immobilizer (Limited)

STANDARD MECHANICAL FEATURES

Sport

Sport-tuned suspension

FACTORY OPTIONS

Base

- Cold weather package: windshield De-icer grid and heated outside mirrors
- Engine immobilizer
- AM/FM/six-disc in-dash CD changer w/MP3/WMA playback capability, satellite radio ready and six speakers
- Daytime running lights with auto on/off light control system
- Manual rear heating and air conditioning system w/rear vents for 2nd and 3rd rows
- Black roof rails
- Tonneau cover
- Convenience package black roof rails and Tonneau cover
- Anti-theft alarm system
- Two row seat package (2WD only) includes cargo area carpeted storage compartment (Standard on 4cylinder Base, optional on V6 Base)
- Power driver seat (requires third-row seat option on four-cylinder Base model)

2010 Highlander Product Information

Note: All specs are for both two-wheel drive (2WD) and four-wheel drive (4WD) unless otherwise noted.

FACTORY OPTIONS - CONT.

- V6 Tow prep package: 5,000 lbs. towing capacity, heavy duty radiator with engine oil cooler, 200 watt fan coupling, transmission oil cooler with water cooler, 150 amp alternator and pre-wire harness
- Four-cylinder Tow prep package: 3,500 lbs. towing capacity, heavy duty radiator, 160-watt fan coupling, transmission oil cooler with water and air cooling, 150 amp alternator, and pre-wire harness
- Multi-function display (3.5-inch display) includes back-up monitor, clock, outside temperature, cruise information (avg. fuel economy, avg. speed, distance to empty, current fuel economy and trip timer), and warning messages (V6 only)
- Power tilt/slide moonroof with sunshade

Sport

- Front automatic dual zone air conditioning system
- Auto rear air conditioning system with rear vents for 2nd and 3rd rows
- Manual rear heating and air- conditioning system
- AM/FM/six-disc in-dash CD changer with MP3/WMA playback capability, satellite radio capability and six speakers
- JBL AM/FM/six-disc in-dash CD changer with hands-free phone capability via Bluetooth[®] wireless technology, satellite radio capability, MP3/WMA playback capability and nine speakers including subwoofer in seven locations
- Leather seat trim and multi-stage heated front seats
- Power tilt and slide moonroof with sunshade
- Navigation system with Bluetooth[®]/ voice-activation/compass and JBL AM/FM/four-disc in-dash CD changer with hands-free phone capability via Bluetooth® wireless technology, satellite radio capability, MP3/WMA playback capability and nine speakers including a subwoofer in seven locations
- Power back door with jam protection
- Cold weather package: windshield de-icer grid and heated outside mirrors
- Rear seat entertainment system
- Tow prep package: 5,000 lbs towing capacity, heavy duty radiator with engine oil cooler, 240 watt fan coupling, transmission oil cooler with water cooler, 150 amp alternator and pre-wire harness
- HomeLink[®]
- Anti-theft alarm system
- Two row seat package (2WD only) includes cargo area carpeted storage compartment

Limited

- JBL AM/FM/six-disc in-dash CD changer with hands-free phone capability via Bluetooth[®] wireless technology, satellite radio ready, MP3/WMA playback capability and nine speakers including subwoofer in seven locations
- Power tilt and slide moonroof with sunshade
- Navigation system with Bluetooth[®] voice-activation/compass and JBL AM/FM four-disc in-dash CD changer with hands-free phone capability via Bluetooth[®] wireless technology, satellite radio capability, MP3/WMA playback capability and nine speakers including a subwoofer in seven locations
- Power back door with iam protection
- Auto rear air conditioning system
- Rear seat entertainment system
- Multi-stage heated front seats
- Color-keyed sport style rear spoiler with LED stop lamp
- Tow prep package: 5,000 lbs towing capacity, heavy duty radiator with engine oil cooler, 240-watt fan coupling, transmission oil cooler with water cooler, 150 amp alternator and pre-wire harness



Note: All specs are for both two-wheel drive (2WD) and four-wheel drive (4WD) unless otherwise noted.

AVAILABLE EXTERIOR COLORS

- Classic Silver Metallic
- Blizzard Pearl
- Magnetic Gray Metallic
- Black
- Salsa Red Pearl
- Sandy Beach Metallic
- Cypress Pearl
- Wave Line Pearl
- Blue Streak Metallic

BASIC LIMITED WARRANTY COVERAGE

- 3-year/36,000-mile Comprehensive
- 5-year/60,000-mile Powertrain
- 5-year/unlimited-mileage Corrosion Perforation