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# AVALON



P r o d u c t S o u r c e

 **TOYOTA**



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# M

## odel Line-Up



### New for 1997

#### All Models

- The 3.0-liter V6 DOHC 24-valve EFI engine has increased horsepower to 200 at 5200 rpm and torque to 214 lb-ft at 4400 rpm
- ABS brakes are now standard on all models
- Traction control is now optional on all models
- High Solar Energy Absorbing glass (HSEA) replaces tinted glass
- Rear glass antenna replaces power mast antenna for all audio systems
- New black painted muffler
- New exterior colors
  - Vintage Rose Metallic (4N5)
  - Blue Velvet Pearl (8L3)
- Deleted exterior colors
  - Platinum Metallic (1A0)
  - Nightshadow Pearl (8K0)

#### XL Model

- XL fabric is newly color tuned to soften accent colors
- Optional dual heated color-keyed power mirrors

#### XLS Model

- Standard dual heated color-keyed power mirrors
- New alloy wheel design
- All new XLS fabric
- Keyless entry system features "headlamp visual confirmation"

### Body Styles and Trim Levels

Body Style	Trim Level	Trans.	Displacement	Cyl.	bhp	Model #
4-Door Sedan	XL (Bucket)	4ECTi (floor)	3.0 liter	6	200	3534
	XL (Bench)	4ECTi (column)	3.0 liter	6	200	3536
	XLS (Bucket)	4ECTi (floor)	3.0 liter	6	200	3544
	XLS (Bench)	4ECTi (column)	3.0 liter	6	200	3546



# **S**tandard Features

## **Avalon XL**

### **Mechanical**

- 3.0-liter V6 DOHC\* 24-valve EFI engine
- Aluminum alloy engine block and head
- Distributorless ignition
- 2-piece oil pan
- 80-amp alternator
- Fluid-filled engine mount (1)
- Front-wheel drive
- 4-speed electronically controlled automatic overdrive transmission with "Intelligence" (4ECTi)
- Transmission oil cooler
- 4-wheel independent MacPherson strut suspension with gas-filled shock absorbers
- Independent dual-link rear suspension
- Front and rear stabilizer bars
- Anti-vibration front and rear cradle subframes
- Power-assisted rack-and-pinion steering
- Power steering cooler
- Power-assisted 4-wheel ventilated front disc/solid rear disc brakes
- Anti-lock Brake System (ABS)<sup>1</sup>
- Foot parking brake
- P205/65R15 All-season steel belted radial tires
- Full-size spare tire
- Stainless steel exhaust system
- Unibody construction
- Vibration-damping steel
- All-Weather Guard Equipment Package



*Model shown may have optional equipment*

### **Exterior**

- Aero-style halogen headlamps with auto-off feature
- Chrome front grille and side window moldings
- Color-keyed bumpers with integrated front air dam
- Scratch-resistant bumper material
- Foam-filled C- and D-pillars
- High Solar Energy Absorbing glass (HSEA)
- Dual color-keyed power mirrors
- Aircraft-style doors with lower integrated splash guard
- Color-keyed door handles and bodyside moldings
- Full wheel covers
- Center High-Mount Stop Lamp (CHMSL)
- Fuel lid (with cap holder)
- 90° trunk angle opening with low lift over height
- Stainless steel-tipped exhaust pipe

\* Marketed as Four-Cam

<sup>1</sup> Includes rear brake Load-Sensing Proportioning Valve (LSPV)

# Standard Features

## Avalon XL (Cont'd)

### Interior

- Bucket Seats
  - 6-way adjustable driver's seat (slide, front and rear seat height, recline and head restraint tilt/height)
  - 4-way adjustable passenger's seat (slide, recline and head restraint tilt/height)
  - Center console storage box with cover and cup holder
  - Floor-mount Transmission Shifter
- Bench Seats
  - 6-way adjustable power driver- and passenger-side bench seat with 50/50 split seat cushion and 60-driver/40-passenger split seat back
  - Folding center armrest with integrated storage compartment and cup holder
  - Column-mount Transmission Shifter
- Rear seats
  - Folding center armrest
  - Integrated head restraints in outboard positions
- Unique XL cloth seat and door trim with integrated speakers
- Dual door map pockets
- Urethane tilt steering wheel (2-spoke)
- Driver- and passenger-side illuminated vanity mirrors
- Cloth headliner and sun visors
- Lockable illuminated glove box
- Dash storage box
- Driver-side coin pocket
- Retractable assist grips with integrated coat hooks
- Full carpeting with driver-side footrest
- Fully-lined trunk with deck lid trim
- Instrumentation: electronic analog speedometer, tripmeter, odometer, tachometer, coolant temperature and fuel level gauges
- Warning lights: air bag, door-ajar, brake and taillamp bulb failure, oil pressure, check engine, seatbelt disconnect, battery and low fuel level
- Air conditioning (CFC-free)
- Rear heating duct
- Power windows and door locks
  - One-touch driver-side auto down
  - Two-turn locks
  - Anti-lock-out feature
  - Nighttime illumination
  - 60 seconds retained power function (after ignition key is removed)
- Cruise control
- Intermittent windshield wipers
- Side-window defoggers
- Heavy-duty rear-window defogger with timer
- Digital quartz clock with stopwatch and alarm
- Dome light
- Rear cargo light
- Door courtesy lamps
- Illuminated ignition key ring
- Remote hood, fuel lid and trunk releases
- Fuel cap hanger
- Valet trunk locking system
- Rear glass antenna
- Deluxe AM/FM ETR/Cassette with 4 speakers

### Safety\*

- Driver- and passenger-side air bags Supplemental Restraint System (SRS)
- Seatbelts
  - Driver: 3-point with ELR<sup>1</sup>
  - Front outboard passenger: 3-point with ELR/ALR<sup>1</sup>
  - Front center passenger: 2-point lap belt<sup>2</sup>
  - Rear passengers: 3-point with ELR/ALR
- Energy-absorbing steering wheel and column
- Child-protector rear door locks
- Side-door beams

\* See "Safety" section beginning on page 10 for additional information

1 With adjustable shoulder belt anchor

2 With optional bench seats



# Standard Features

## Avalon XLS Differences vs Avalon XL

### Mechanical

- Hood insulation pad

### Exterior

- Automatic on/off headlamps
- Dual heated color-keyed power mirrors
- Aluminum alloy wheels

### Interior

- Seats:
  - 7-way adjustable power driver's seat (power: slide, recline, front and rear seat height; manual: lumbar support, head restraint tilt/height)
  - 6-way adjustable power passenger's seat (power: slide, recline, front and rear seat height; manual: head restraint tilt/height)
- Unique XLS cloth seat and door trim with integrated speakers
- Simulated wood trim
- Leather-wrapped steering wheel and shift knob<sup>1</sup>
- Soft-touch automatic air conditioning (CFC-free) and ventilation controls
- Theft Deterrent System
- Variable intermittent windshield wipers
- Illuminated entry/exit fade-out system (ignition key ring and map light)
- Remote entry (locks/unlocks doors, opens trunk)
- Front map light
- Rear reading lights
- Outside temperature display
- Remote trunk lid release (in glove box)
- Premium AM/FM ETR/Cassette with 6 speakers



*Model shown may have optional equipment*

<sup>1</sup> Leather boot with bench seat

# Standard/Optional Features

## Mechanical

	AVALON XL	AVALON XLS
• California emissions {CA}	.O	.O
• 48-state emissions {RE}	.O	.O
• 3.0-liter V6 DOHC* 24-valve EFI engine	.S	.S
-Aluminum alloy engine block and head	.S	.S
-Distributorless ignition	.S	.S
-2-piece oil pan	.S	.S
-Engine block heater	.A	.A
-80-amp alternator	.S	.S
-Fluid-filled engine mount (1)	.S	.S
• Front-wheel drive	.S	.S
• 4-speed electronically controlled automatic overdrive transmission with "Intelligence" (4ECTI)	.S <sup>1</sup>	.S <sup>1</sup>
• Transmission oil cooler	.S	.S
• Traction control {TN}	.O	.O
• 4-wheel independent MacPherson strut suspension with gas-filled shock absorbers	.S	.S
• Independent dual-link rear suspension	.S	.S
• Front and rear stabilizer bars	.S	.S
• Anti-vibration cradle subframes (front: engine, transaxle and lower suspension arms; rear: all suspension components)	.S	.S
• Power-assisted rack-and-pinion steering	.S	.S
• Power steering cooler	.S	.S
• Power-assisted 4-wheel ventilated front disc/solid rear disc brakes	.S	.S
• Anti-lock Brake System (ABS) {AB}	.S <sup>2</sup>	.S <sup>2</sup>
• Foot parking brake	.S	.S
• 15" wheels	.S	.S
• P205/65R15 All-season steel belted radial tires	.S	.S
• Full-size spare tire	.S	.S
• Hood insulation pad	.NA	.S
• Stainless steel exhaust system	.S	.S
• Unibody construction	.S	.S
• Vibration-damping steel	.S	.S
• All-Weather Guard Equipment Package {CK}	.S	.S

## Exterior

• Aero-style halogen headlamps	.S	.S
• Auto-off headlamps	.S	.NA
• Auto-on/off headlamps	.NA	.S
• Front-end mask {KM}	.A	.A
• Chrome front grille and side-window moldings	.S	.S
• Color-keyed bumpers with integrated front air dam	.S	.S
• Scratch-resistant bumper material	.S	.S
• High Solar Energy Absorbing glass (HSEA)	.S	.S
• Dual color-keyed power mirrors	.S	.NA
• Dual heated color-keyed power mirrors {EH}	.O	.S
• Foam-filled C- and D-pillars	.S	.S
• Aircraft-style doors with lower integrated splash guard	.S	.S
• Color-keyed door handles and bodyside moldings	.S	.S
• Full wheel covers	.S	.NA
• Aluminum alloy wheels {AW}	.O	.S
• Alloy wheels {SS}	.A	.A
• Wheel locks (Alloy/Steel) {WL}/{WS}	.A	.A
• Mudguards {MG}	.O	.O
• Mudguards, complete set {MF}	.A	.A
• Center High-Mount Stop Lamp (CHMSL)	.S	.S
• Fuel lid (with cap holder)	.S	.S
• 90° trunk angle opening with low lift over height	.S	.S
• Stainless steel-tipped exhaust pipe	.S	.S
• Gold Package {GP}	.A	.A
• Diamond White Pearl Paint {PC}	.O	.O

### Legend

S	Standard
O	Optional
A	Dealer/Port-Installed
NA	Not Available
{ }	Option Code

### Notes:

{CK}	Includes heavy duty: battery, starter, alternator and rear-window defogger
{AW}	Includes P205/65R15 All-season steel belted tires and aluminum alloy wheels (4)
*	Marketed as Four-Cam
1	Floor-mount transmission shifter with bucket seats; column-mount with bench seats
2	Includes rear brake Load-Sensing Proportioning Valve (LSPV)



# Standard/Optional Features

## Interior

	AVALON XL	AVALON XLS
• 6-way adjustable driver's seat/4-way adjustable manual passenger's seat (bucket)	S	NA
• 6-way adjustable power driver- and passenger-side bench seat with 50/50 split seat cushion and 60/40 split-folding seat back	S	S
• 7-way adjustable power driver's seat/6-way adjustable power passenger's seat (bucket)	O <sup>3</sup>	S
• Rear seats: folding center armrest and integrated head restraints in outboard positions	S	S
• XL cloth seat and door trim with integrated speakers	S	NA
• XLS cloth seat and door trim with integrated speakers	NA	S
• Leather-trimmed seats with synthetic leather door trim	O <sup>4</sup>	O <sup>4</sup>
• Simulated wood trim	NA	S
• Wood dash {DU}	A	A
• Dual door map pockets	S	S
• Urethane tilt steering wheel (2-spoke)	S	NA
• Leather-wrapped tilt steering wheel and shift knob (2-spoke)	O <sup>4,5</sup>	S <sup>5</sup>
• Driver- and passenger-side illuminated vanity mirrors	S	S
• Cloth headliner and sun visors	S	S
• Lockable illuminated glove box	S	S
• Dash storage box with door under standard radio	S	S
• Center console storage box with cover (bucket seats only)	S	S
• Cup holder:		
-Front of console box for bucket seats	S	S
-Integrated with front armrest for bench seats	S	S
• Driver-side coin pocket	S	S
• Assist grips: -1 passenger side; -2 rear	S <sup>6</sup>	S <sup>6</sup>
• Rear coat hooks	S	S
• Full carpeting with driver-side footrest	S	S
• Floor mats {CF}	A	A
• Fully-lined trunk with deck lid trim	S	S
• Trunk mat {C1}	A	A
• Cargo net {GN}	A	A
• Instrumentation: electronic analog speedometer, tripmeter, odometer, tachometer, coolant temperature and fuel level gauges	S	S
• Warning lights: air bag, door-ajar, brake and taillamp bulb failure, oil pressure, check engine, seatbelt disconnect, battery and low fuel level	S	S
• Power tilt/slide glass sunroof {SR}	O	O
• Sunroof wind deflector {SD}	A	A
• Air conditioning (CFC-free)	S	S <sup>7</sup>
• Rear heating duct	S	S
• Cellular mobile telephones, fixed and docking/portable	A <sup>8</sup>	A <sup>8</sup>
• Anti-theft Device {PN}-includes ignition interlock, horn activation, headlamps flash feature	O	S
• Theft Deterrent System Enhancement (TDSE) {RK}, for factory system only	NA	A
• Vehicle Intrusion Protection (V.I.P.) with glass breakage warning {V3}	NA	A
• Keyless Entry {KE}	A	A
• Power windows and door locks	S <sup>9</sup>	S <sup>9</sup>
• Cruise control	S	S
• Intermittent windshield wipers	S	NA
• Variable intermittent windshield wipers	NA	S
• Side-window defoggers	S	S
• Heavy-duty rear-window defogger with timer	S	S
• Digital quartz clock	S	S
• Illuminated entry/exit fade-out system (interior key ring and map light)	NA	S
• Rear reading lights	NA	S
• Dome light	S	S

### Legend

S	Standard
O	Optional
A	Dealer/Port-Installed
NA	Not Available
{ }	Option Code

### Notes:

{SR} Includes map light, sliding sunshade and soft-grip assist-grip handles

- Included in Power Seat Package {PE}
- Included in Leather-trim Package {LA}
- Leather boot with bench seat
- Retractable soft-grip assist grip handles with sunroof
- Automatic air conditioning with soft-touch controls
- DIO only
- With one-touch driver-side auto down, two-turn locks, anti-lock-out feature, nighttime illumination, retained power feature

# Standard/Optional Features

## Interior (Cont'd)

	AVALON XL	AVALON XLS
• Front map light	O <sup>10</sup>	S
• Rear cargo light	S	S
• Door courtesy lamps	S	S
• Illuminated ignition key ring	S	S <sup>11</sup>
• Outside temperature display	NA	S
• Remote entry (lock/unlock doors and trunk feature)	NA	S
• Remote hood, fuel lid and trunk releases	S	S <sup>12</sup>
• Valet trunk locking system	S	S
• Fuel cap hanger	S	S
• Rear glass antenna	S	S
• Deluxe AM/FM ETR/Cassette with 4 speakers {EX}	S	NA
• Premium AM/FM ETR/Cassette with 6 speakers {CE}	O	S
• Premium 3-in-1 AM/FM ETR/Cassette/CD Changer with 7 speakers {CG}	O	O
• Compact Disc Deck {P5}	A	A
• 3-Disc CD {P3}	A	A
• 6-Disc CD Changer {P9}	A	A
• Leather-trim Package {LA}	O <sup>13</sup>	O <sup>14</sup>
• Power Seat Package {PE}	O	S

## Safety\*

• Driver- and passenger-side air bag Supplemental Restraint System (SRS)	S	S
• Seatbelt, driver: 3-point with ELR <sup>15,17</sup>	S	S
• Seatbelt, front outboard passenger: 3-point with ELR/ALR <sup>16,17</sup>	S	S
• Seatbelt, front center passenger <sup>18</sup> : 2-point lap belt	S	S
• Seatbelt, rear passengers: 3-point with ELR/ALR <sup>16</sup>	S	S
• Energy-absorbing steering wheel and column	S	S
• Child-protector rear door locks	S	S
• Side-door beams	S	S

### Legend

S	Standard
O	Optional
A	Dealer/Port-Installed
NA	Not Available
( )	Option Code

### Notes:

- {CE} Includes FM diversity antenna system, programmable equalizer and anti-theft system
- {CG} Includes trunk-mounted 12-disc CD Changer with programmable equalizer, FM diversity antenna system and anti-theft system
- {LA} Includes leather-trimmed seating (Power D/P bucket on 3534, power D/P bench on 3536), leather-wrapped steering wheel and automatic transmission shift knob (with bucket seat only) or shift boot (with bench seat only), and synthetic leather door trim
- {PE} Includes power driver and passenger seats: 7-way adjustable driver (power: slide, recline, front and rear seat height; manual: lumbar support, head restraint tilt/height)/6-way adjustable passenger (power: slide, recline, front and rear seat height; manual: head restraint tilt/height)
- \* See "Safety" section beginning on page 10 for additional information

- <sup>10</sup> Included as part of power tilt/slide glass sunroof option
- <sup>11</sup> Included in illuminated entry/exit fade-out system
- <sup>12</sup> Trunk lid release in glove box
- <sup>13</sup> Requires aluminum alloy wheels option {AW}
- <sup>14</sup> Leather steering wheel and shift knob/boot, alloy wheels and power seats are standard on XLS
- <sup>15</sup> Emergency Locking Retractor (ELR)
- <sup>16</sup> Emergency Locking Retractor (ELR)/ Automatic Locking Retractor (ALR)
- <sup>17</sup> With adjustable shoulder belt anchor
- <sup>18</sup> With optional front bench seats



# Specifications

## Mechanical

	XL	XLS
<b>ENGINE</b>		
Type	3.0-L V6 DOHC* 24-V EFI	3.0-L V6 DOHC* 24-V EFI
Horsepower (bhp @ rpm)	200 @ 5200	200 @ 5200
Torque (lb-ft @ rpm)	214 @ 4400	214 @ 4400
MPG (EPA est. city/hwy)	21/31	21/31
<b>DRIVETRAIN</b>		
Type	Front-wheel drive	Front-wheel drive
<b>TRANSMISSION</b>		
-standard	4-speed ECTi automatic overdrive (with "Intelligence")	4-speed ECTi automatic overdrive (with "Intelligence")
<b>SUSPENSION</b>		
Type	4-wheel independent MacPherson strut (dual-link at the rear) with gas-filled shock absorbers, stabilizer bars and anti-vibration cradle sub-frames	4-wheel independent MacPherson strut (dual-link at the rear) with gas-filled shock absorbers, stabilizer bars and anti-vibration cradle sub-frames
<b>STEERING</b>		
Type	Power-assisted rack-and-pinion	Power-assisted rack-and-pinion
Ratio	15.9:1	15.9:1
Turning Diameter** (ft.)	37.6	37.6
<b>BRAKES***</b>		
Front/Rear	-standard 4-wheel disc with Anti-lock Brake System <sup>1,2</sup> -optional NA	4-wheel disc with Anti-lock Brake System <sup>1,2</sup> NA
<b>WHEELS</b>		
Type/Size	-standard Steel / 6.0 x 15 -optional Alloy / 6.0 x 15	Alloy / 6.0 x 15 NA
<b>TIRES</b>		
Type	All-season steel belted radial	All-season steel belted radial
Size	P205/65R15	P205/65R15
Spare	Full-size	Full-size
<b>CAPACITIES</b>		
Curb Weights (lbs.)	Bucket: 3263, Bench: 3285	Bucket: 3287, Bench: 3298
Fuel Tank (gals.)	18.5	18.5
Towing† (lbs.)	2000	2000

## Exterior

Wheelbase (in.)	107.1	107.1
Overall Length (in.)	190.2	190.2
Overall Width (in.)	70.3	70.3
Overall Height (in.)	55.9	55.9
Tread Width -front/rear (in.)	61.0 / 59.8	61.0 / 59.8
Drag Coefficient (Cd)	.31	.31

## Interior

Seating Capacity	5 / 6 <sup>3</sup>	5 / 6 <sup>3</sup>
Head Room -front/rear (in.)	39.1 / 37.8	39.1 / 37.8
Leg Room -front/rear (in.)	44.1 / 38.3	44.1 / 38.3
Shoulder Room -front/rear (in.)	57.7 / 57.3	57.7 / 57.3
Hip Room -front/rear (in.)	55.8 / 57.4	55.8 / 57.4
Trunk Capacity (cu. ft.)	15.4	15.4
Interior Passenger Vol. <sup>††</sup> (cu. ft.)	105.5	105.5
EPA Volume <sup>†††</sup> (cu. ft.)	120.9	120.9

## Safety†

### OCCUPANT RESTRAINT SYSTEMS

Air Bag (SRS)	Driver- and passenger-side	Driver- and passenger-side
Seatbelts	-driver 3-point with ELR <sup>4,6</sup> -front outboard passenger 3-point with ELR/ALR <sup>5,6</sup> -front center passenger 2-point lap belt <sup>3</sup> -rear passengers 3-point with ELR/ALR <sup>5</sup>	3-point with ELR <sup>4,6</sup> 3-point with ELR/ALR <sup>5,6</sup> 2-point lap belt <sup>3</sup> 3-point with ELR/ALR <sup>5</sup>

### Notes:

NA	Feature not available	1	Ventilated disc/solid disc
—	Information not available	2	With rear Load-Sensing Proportioning Valve (LSPV)
*	Marketed as Four-Cam	3	With optional front bench seat
**	Curb-to-curb	4	Emergency Locking Retractor (ELR)
***	Power-assisted	5	Emergency Locking Retractor (ELR)/Automatic Locking Retractor (ALR)
†	Requires additional equipment. Consult the 1997 Toyota Trailer Towing Guide for details and GCWR limits.	6	With adjustable shoulder belt anchor
††	Does not include trunk		
†††	Interior volume and trunk capacity		
†	See "Safety" section beginning on page 10 for additional information		



# Features and Benefits

## Safety



### KEY FEATURES

Dual Air Bags  
Supplemental  
Restraint System  
(SRS)\*

Crumple Zones

Anti-lock Brake  
System (ABS)

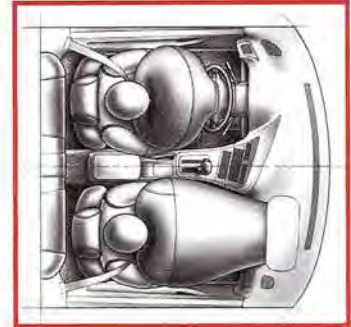
### BENEFITS

**Helps limit the motion of the head and upper body in the event of a severe frontal collision.**

**Help absorb the impact of a front or rear collision.**

**Modulates brake pressure to avoid skids caused by wheel lock-up during panic stops.**

Driver and Passenger  
Air Bags



### Dual Air Bags Supplemental Restraint System (SRS)\*

In a severe frontal collision, sensors (located in the floor tunnel) **detect the force of the impact and cause the bags to inflate** within milliseconds (after it begins to happen) **helping to limit the motion of the head and upper body.** Safety belts must be worn at all times for maximum protection. Air bags won't inflate in minor frontal impacts or other types of accidents.

## Impact Protection

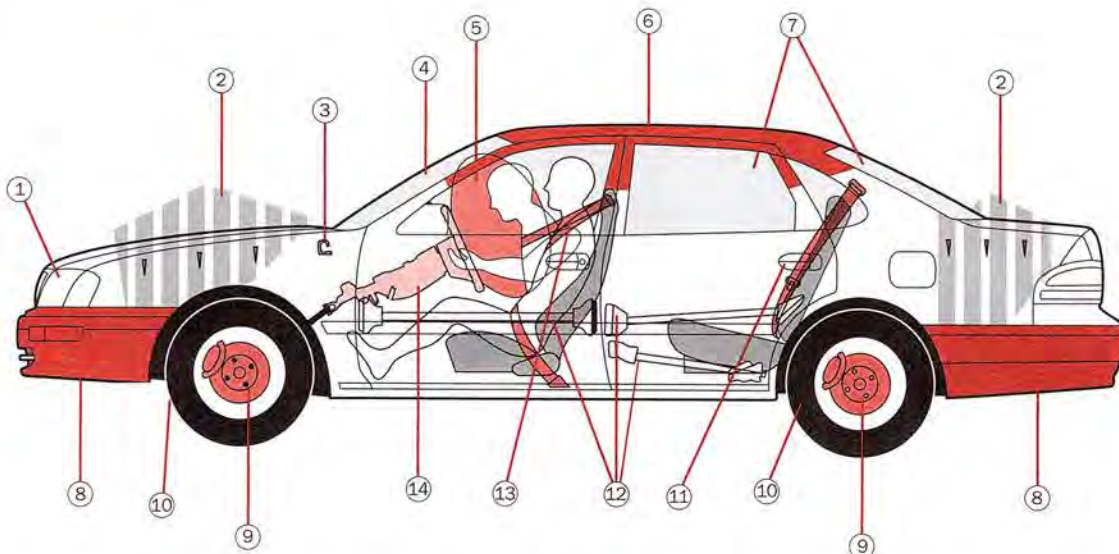
### Side-Door Beams

Steel beams located under the sheet metal in Avalon's doors **help provide some protection if the Avalon is hit from the side.**

- |                            |   |
|----------------------------|---|
| 1 Halogen headlamps        | 9 Disc brakes/ABS                             |
| 2 Crumple zones            | 10 All-season steel belted radial tires       |
| 3 Hood hold-down hooks     | 11 Child-protector rear door locks            |
| 4 Laminated safety glass   | 12 Side-door beams                            |
| 5 Dual air bags            | 13 3-point seatbelts                          |
| 6 Roof strength            | 14 Energy-absorbing steering wheel and column |
| 7 Tempered safety glass    |   |
| 8 Impact-absorbing bumpers |   |

### Crumple Zones

Protective features at the front and rear of the Avalon **help absorb the impact of a collision.** These pre-stressed areas in the fender, hood, and related body components are designed to crush and absorb energy during an impact. As the area successively crushes in a collision, crush energy is dissipated, which **prevents much of the collision energy from reaching the passenger compartment.**



\* The Toyota driver and front passenger air bags are a Supplemental Restraint System (SRS) designed to inflate in a severe frontal collision. In all other accidents, the air bags will not inflate. To minimize the risk of severe injury in all types of crashes, all occupants must always wear seatbelts. Do not sit or place objects close to an air bag. Do not use rearward-facing child seats in any front passenger seat. The force of a deploying air bag SRS may cause serious injury. Please see the Owner's Manual for instructions on SRS and child seat usage.



# Features and Benefits



## Impact-Absorbing Bumpers

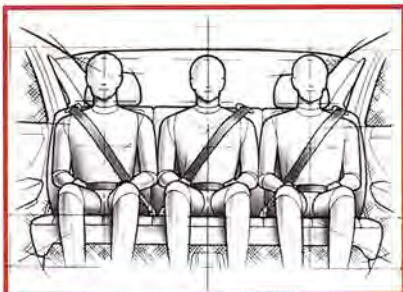
Avalon's bumpers are the **first line of defense** in the event of a front or rear-end collision. They are **designed to absorb minor, low-speed impacts without damage**. They also **meet or exceed all federal government requirements**. The bumpers are constructed of a sponge-like material supported by a steel backing beam placed on impact-absorbing mounts.

## Hood Hold-Down Hooks

Two hooks at the back end of the hood (near the cowl) **help keep the hood in place** during a frontal collision. They are designed to **reduce the chance of the hood being pushed rearward** into the passenger compartment.

## 3-Point ELR/ALR Safety Belts<sup>1</sup>

The **ELR** (Emergency Locking Retractor) allows the belts to extend or retract with occupant movement, yet **locks them during a sudden stop or upon impact**. The **ALR** (Automatic Locking Retractor) **allows a baby seat to be secured without using a seatbelt locking clip**. Do not use rearward-facing child seats in front passenger seat. See Owner's Manual for child seat usage.



3-point ELR/ALR seatbelts for all three rear seat passengers

## Rear Center Passenger ELR/ALR Seatbelt

Avalon rear center passengers have a complete, 3-point seatbelt with ELR/ALR.

ABS Actuator  
(With ECU and Relay)

Front Speed Sensor

ABS Warning Light

Front Speed Sensor

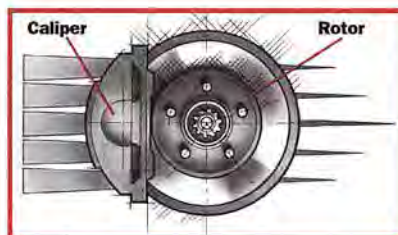
Rear Speed Sensors

Toyota's Anti-lock Brake System (ABS) relies on speed sensors and a sophisticated computer to help prevent wheel lock-up

## Accident Avoidance

### Power-Assisted 4-Wheel Disc Brakes with Ventilated Front Rotors

Excessive heat can cause brake "fade". Components can glaze and even warp causing a reduction in braking effectiveness. Vents in the brake discs (or rotors) allow cooling air to pass through the hot disc. **This helps reduce heat build-up to maintain stopping power, and helps lessen the chance of the brakes fading, glazing or warping.**



### Anti-lock Brake System (ABS)

ABS is a sophisticated computer-controlled system that regulates braking pressure to help **avoid wheel lock-up during heavy braking**. When the wheels are beginning to lock, the computer causes the brakes to pulse more rapidly than humanly possible. **This allows the wheels to rotate rather than skid for better stopping control.**

### Optional Traction Control

Traction control helps to **avoid slippage of the driving wheels** that tends to happen during starting and acceleration and helps to **maintain an optimal driving force according to the road surface conditions**.

<sup>1</sup> ALR retractors for front outboard and all rear seating positions



# Features and Benefits



## Personal Security

The following standard or optional features provide customers with a more "safe and secure" feeling every time they enter and use their Avalon:

### Two-Turn Door Locks

This option provides an **extra measure of security** by opening only the driver's door when the key is inserted and turned once. A second turn unlocks the passenger door.

### Anti-Lock-Out Power Door Locks

This prevents the doors from being locked if the key is left in the ignition, **helping to prevent keys being locked in the car.**

### Passenger Window Lock-Out System

When used, this optional system **disables the passenger windows** from being operated by anyone except the driver.

### Toyota Vehicle Intrusion Protection (V.I.P.)

This is an **optional break-in alarm** that flashes the headlamps and taillamps and sounds the horn when a secured Avalon is broken into. It also **disables the starter** if someone forcefully enters the car. The system is automatically armed by removing the ignition key from the ignition.

### Child-Protector Rear Door Locks

These **prevent a rear door from being opened inadvertently** from the inside of the vehicle.

### Valet Trunk Locking System

Drivers receive a separate valet key that **can only unlock the doors and operate the ignition.** It cannot be used to unlock the trunk, glove box, or other storage compartments (once they have been manually locked).

### Illuminated Entry/Exit Fade Out<sup>2</sup>

Interior **lights turn on** after entering an Avalon, and **gradually fade out** after entry and exit.

### Remote Entry System<sup>2</sup>

**Locks/unlocks doors and opens the trunk** from a hand-held, key-chain style transmitter.

### Full-Size Spare Tire

Enables the driver to replace a punctured tire and **continue driving the vehicle on a full-size tire instead of a temporary spare which is limited to a lower speed and usage.** The spare tire also helps limit/absorb energy in a rear collision.



<sup>2</sup> Available on XLS only



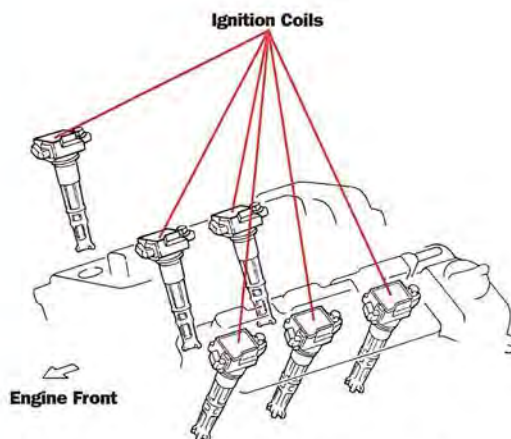
# Features and Benefits

## Performance



### KEY FEATURES BENEFITS

3.0-L V6 DOHC* 24-V EFI Provides Great Power and Economy	This state-of-the-art V6 develops 200 HP and 214 lb-ft of torque while providing excellent fuel economy.**
DOHC/4-Valves per Cylinder	Allows maximum engine breathing for better performance and economy.
Toyota Direct Ignition (Distributorless)	Eliminates all moving parts by placing a compact ignition coil linked directly to each spark plug to minimize misfiring and loss of engine power.
4ECTi "Intelligent" Automatic Transmission	This transmission has a computer that networks with the engine's computer to provide seamless gear changes resulting in a smoother ride.
Anti-Vibration Subframes	The front subframe helps isolate the engine's vibrations from the passenger compartment while the rear subframe does the same for the rear suspension.



Distributorless Ignition

### Toyota Direct Ignition (Distributorless)

Eliminating all moving parts within the ignition system (including the distributor cap and rotor) by placing a compact ignition coil linked directly to each of the six spark plugs minimizes misfiring and loss of engine power and eliminates spark plug wires. **The result is improved performance, greater durability/reliability and reduced maintenance.** Major service is required only every 60,000 miles.

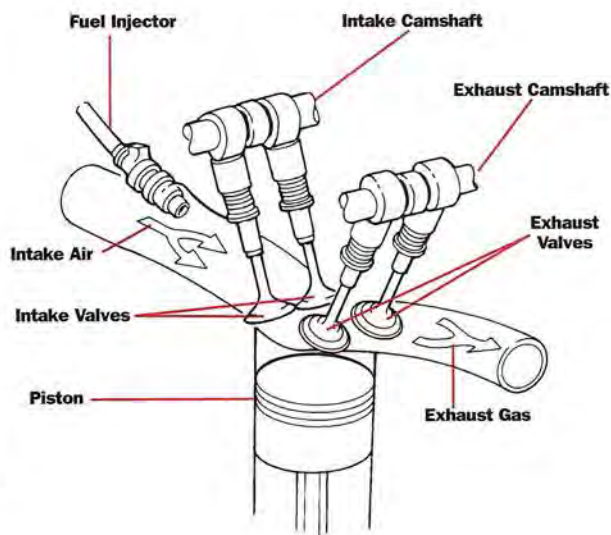
## Drivetrain

### The 3.0-L V6 DOHC\* 24-Valve EFI Engine Offers Power and Economy

Avalon delivers a **superb balance of power and economy.** Its engine achieves 200 horsepower at 5200 rpm and its torque is rated at 214 lb-ft at 4400 rpm. With the 4-speed ECTi automatic overdrive transmission, it has an EPA city/highway mileage estimate of 21/31 respectively.

### Dual Overhead Cam (DOHC) and 4-Valves per Cylinder

This arrangement of two intake and two exhaust valves per cylinder allows more fuel/air mixture into the cylinder for more efficient engine "breathing" and combustion. **This produces greater horsepower than single cam engines and higher fuel economy.** Toyota's DOHC design helps eliminate moving parts such as rocker arms and push rods to help make the engine smoother, quieter and more efficient.



Double overhead cam with 4 valves per cylinder

\* Marketed as Four-Cam

\*\* See Mileage Statement on back cover



# Features and Benefits



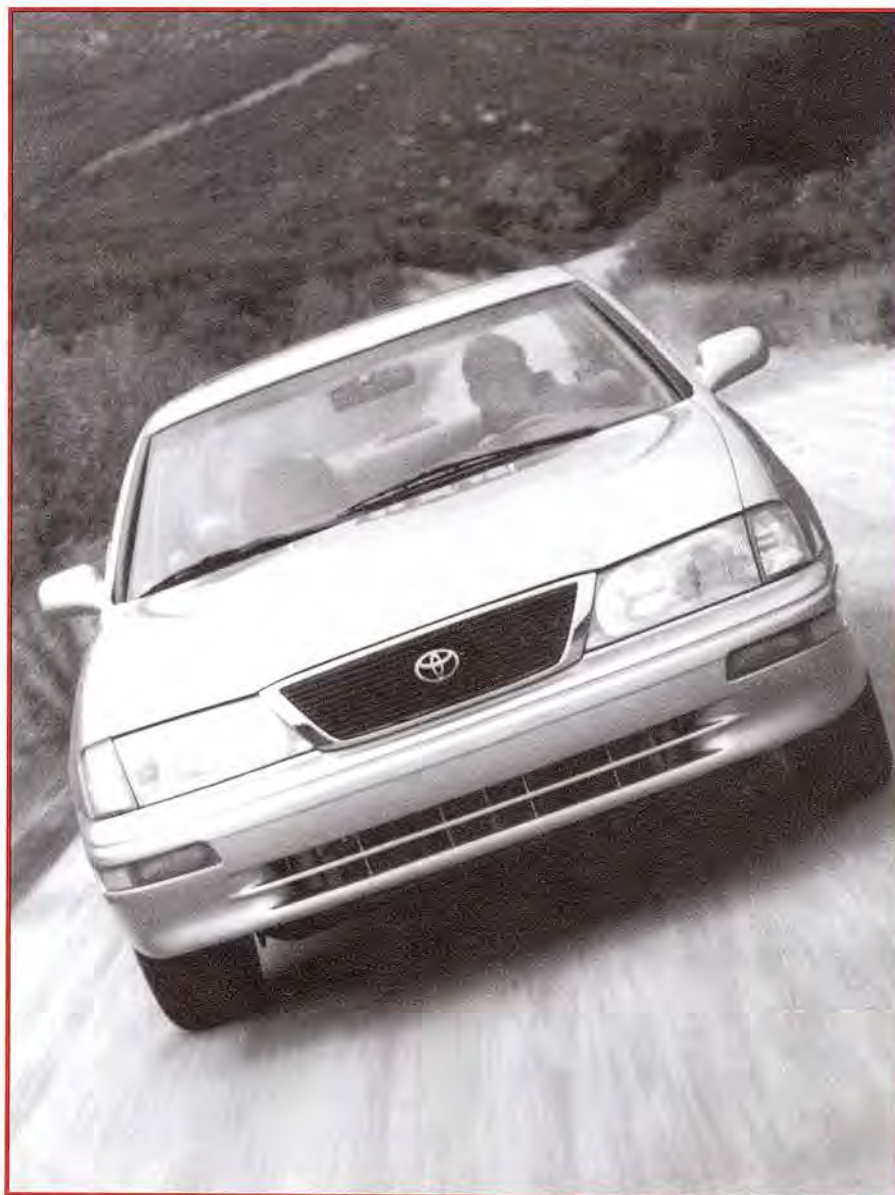
## **4ECTi: The "Intelligent" Automatic Transmission**

The 4ECTi transmission is **Toyota's most advanced automatic**. The transmission computer networks with the engine computer to control hydraulic shift pressure more precisely than ever. **It even adjusts for transmission wear over time.** Four specific features of the transmission are:

1. **"Normal" and "Power" modes** allow the driver to choose between a sportier feel (stays in lower gears longer and downshifts more readily) or maximum fuel economy (upshifts sooner and downshifts less readily). Note: Mode selection is bypassed when the Avalon is under heavy acceleration. The speed of pedal depressment automatically determines the sport or normal modes – the faster the pedal is depressed, the more aggressive the mode.
2. **Overdrive 4th gear** reduces engine rpm at highway speeds which provides quieter driving and increased fuel economy.
3. **Overdrive-off switch** on the shifter, locks out the overdrive 4th gear. This prevents "gear hunting" when driving up a steep grade and adds engine braking when driving downhill.
4. **Shift shock control** momentarily selects a higher gear (other than first) when the gear selector is moved from Neutral or Park to Drive. After that initial engagement, the computer engages first gear. Also, the engine and transmission computers communicate to momentarily retard ignition timing during all gear changes to lessen shift shock.

## **Toyota Computer Controlled System (TCCS)**

Avalon's engine utilizes a sophisticated computer to make precise adjustments to the fuel injection and ignition systems. This technology **optimizes engine operation for better performance under varying driving conditions.**

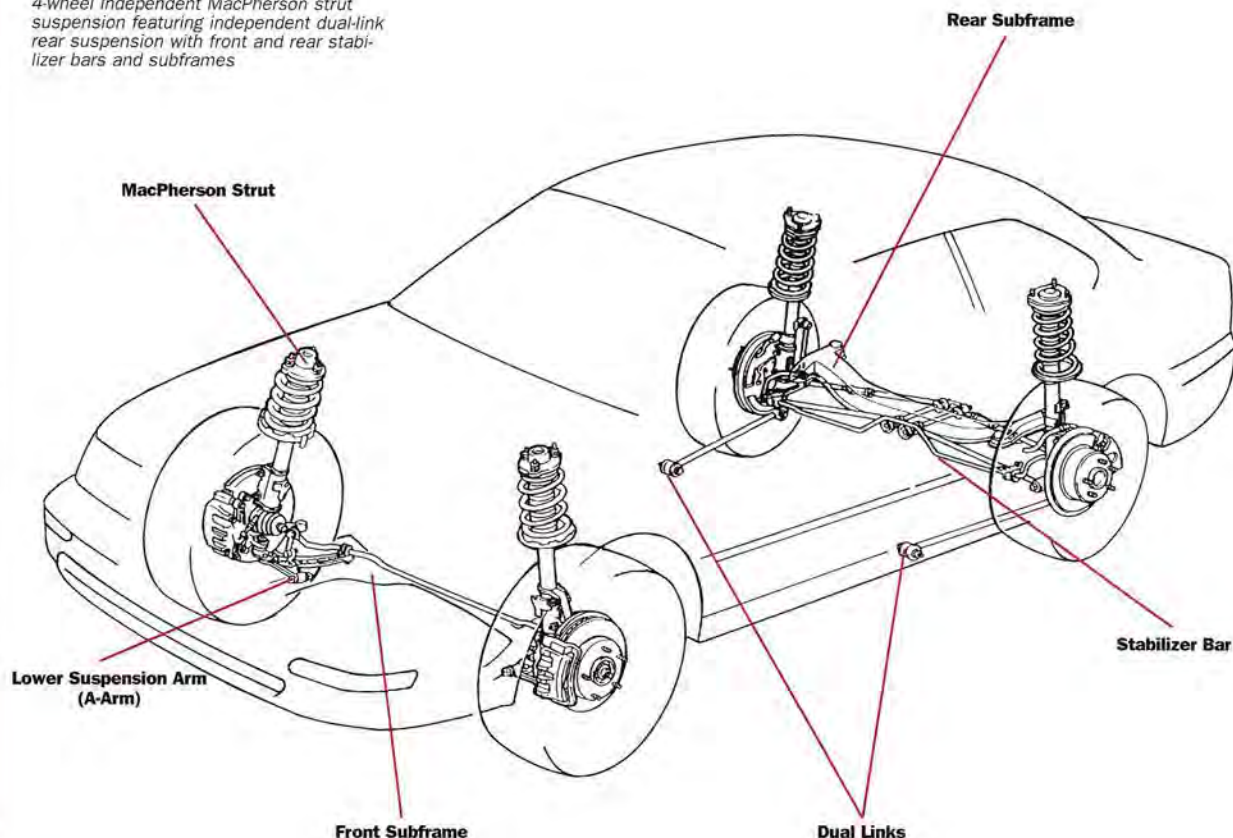




# Features and Benefits



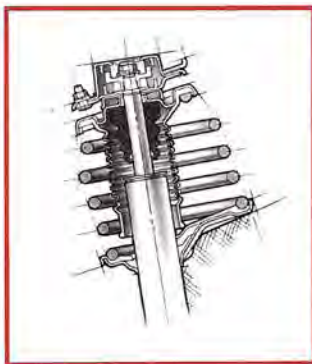
4-wheel independent MacPherson strut suspension featuring independent dual-link rear suspension with front and rear stabilizer bars and subframes



## Chassis

### 4-Wheel Independent Suspension

Each wheel reacts independently to road imperfections with minimum effect on the other wheels. This **enhances handling and stability**, especially in corners and over rough roads, and **provides an exceptional ride**.



### Gas-Filled Shock Absorbers

Pressurized gas in the Avalon's shock absorbers prevents air bubbles from forming, making these shocks not only **resistant to shock fade**, but also providing **excellent handling and control**, and a **smooth, comfortable ride**.

### Front and Rear Stabilizer Bars

These suspension components reduce body roll (or leaning) while taking corners at high speed, giving the Avalon **better vehicle stability and enhanced driver control**. This also reduces the "boaty" feeling sometimes associated with other large cars.

### Anti-Vibration Subframes

Separate subframes at the front and rear **reduce vibration and noise while adding rigidity for better handling**.

### Power-Assisted Rack-and-Pinion Steering

Rack-and-pinion steering is **responsive and precise**, and allows the driver to have a **better road feel**. Avalon's outstanding steering system **provides more road-feel at highway speeds**, and **requires less effort to maneuver the car in slow-speed, tight parking situations**.



# Features and Benefits

## Comfort and Convenience



### KEY FEATURES

### BENEFITS

Rigid Body Structure

Reduces body creaks and rattles when driving over rough surfaces.

Flexible Seating

Avalon comes as a five or six passenger vehicle that provides ample room and outstanding driver and passenger comfort.

Auto-Off Headlamps

Turns off automatically whenever the key is removed and the driver's door is opened.

Extra-Large Trunk Opening

Low lift over height and 90° angle trunk lid opening provide easier access.

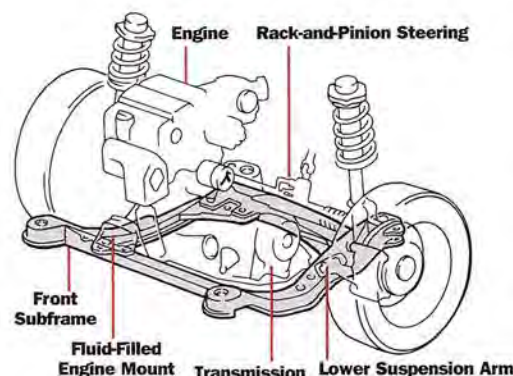
Extra Rear Seat Knee and Foot Room

Avalon's contoured front seat backs and side-mounting system provide rear passengers with more room and comfort.

### Reducing Noise and Vibrations

Toyota engineers and designers go to great lengths to reduce unwanted noise, vibration and harshness (NVH) caused by the driveline, suspension, road and wind. Here are some of the ways they have helped **make the Avalon smooth and quiet**:

- A **highly rigid body structure** reduces creaks and rattles, especially when driving over rough surfaces.



Separate front anti-vibration subframe helps isolate vibration from the passenger compartment, reducing noise

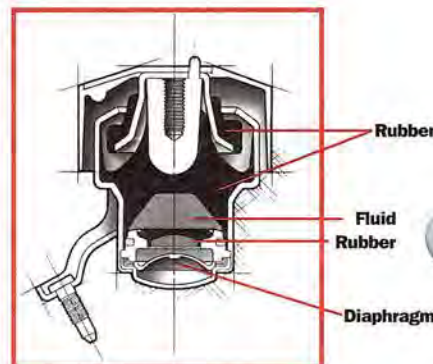
- **Front and rear anti-vibration subframes** add rigidity and help isolate vibrations and noise from the passenger cabin.

- A **fluid-filled engine mount** helps dampen vibration and reduce engine noise.

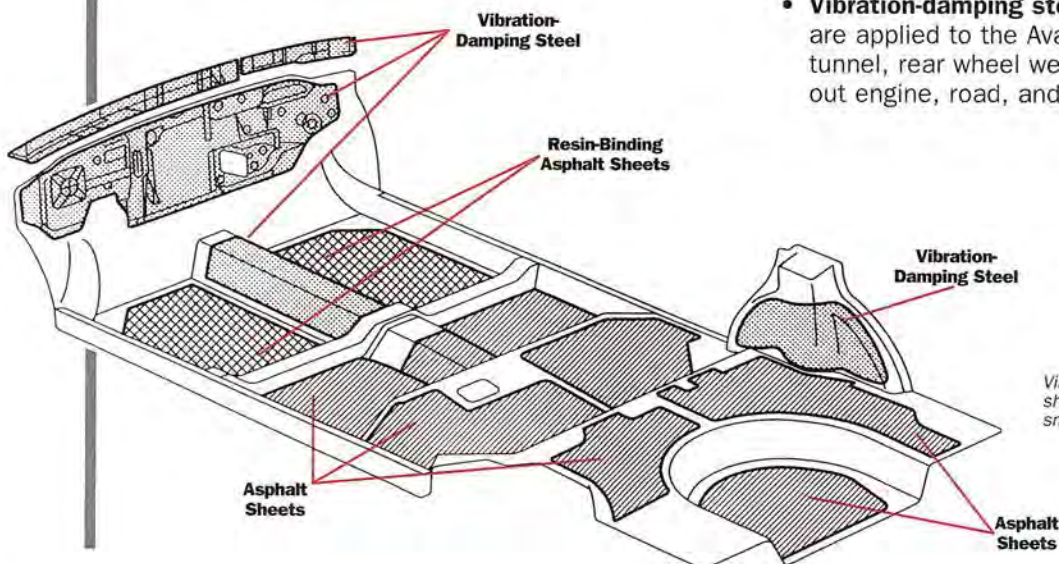
- A **two-piece aluminum oil pan** acts as an engine/transmission stiffener plate, helping to reduce vibration and noise.

- **Foam-filled C- and D-pillars** help reduce the wind noise transmitted into the cabin.

- **Vibration-damping steel and asphalt sheets** are applied to the Avalon's firewall, center tunnel, rear wheel wells and floor to help keep out engine, road, and tire noise.



Fluid-filled engine mount helps dampen vibration and absorb engine noise



Vibration-damping steel and asphalt sheeting contribute to a quieter, smoother ride



# Features and Benefits

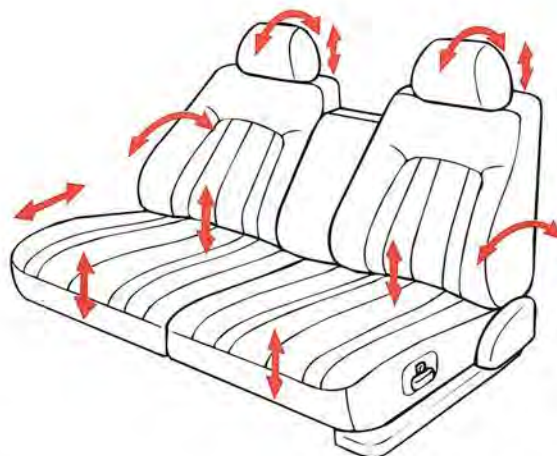


## Flexible Seating

Avalon is a large car with ample room for up to six full-size adults. It is **available as a five-passenger or six-passenger car**. The five-passenger version features two form-fitting front bucket seats. A seven-way power driver's seat is standard on the XLS with buckets. The six-passenger Avalon has a six-way, power adjustable, 50/50 split, front bench seat. The bench has a center fold-down armrest with a storage compartment and cup holder. So, in addition to the **ample interior space, driver and passenger comfort is excellent.**



7-way adjustable power driver's seat



6-way adjustable power driver- and passenger-side bench seat

## "Intelligent" Auto-On/Auto-Off Headlamps<sup>1</sup>

This system detects the existing daylight conditions and automatically turns the headlamps on or off as required. The XL comes equipped with an auto-off only feature that automatically turns lights off when the key is removed and the driver's door is opened. **These automatic systems "think" for the driver, providing an added level of convenience, safety and security.**

## Adjustable Shoulder Belt Anchors

The Avalon shoulder belt anchors can be adjusted to "custom-fit" the belts to the size of the occupants. This **allows individual drivers and passengers to position where the belt crosses the shoulder and chest in order to enhance occupant comfort.**



- 1 Standard on XLS only
- 2 Optional on XL models

## Additional Comfort and Convenience Features

- **Dual cup holder** is located in either the folding armrest of the bench seat or the center console between the bucket seats.
- **Dual illuminated visor vanity mirrors.**
- **90 degree angle trunk opening with low lift over height** allows easy cargo loading.
- **Power windows and door locks** include two-turn locks, anti-lock-out feature, nighttime illumination, and 60 seconds retained power after ignition key is removed.
- **High Solar Energy Absorbing glass (HSEA)** helps keep Avalon's interior cooler and helps reduce interior window fogging.
- **Contoured front seat backs and underside** provide more rear seat knee room.
- **Side-mounted seat tracks** give more foot room to the rear passengers.
- **Dual heated color-keyed mirrors** now standard on XLS models.<sup>2</sup>





# Features and Benefits

## Styling



### KEY FEATURES

Aerodynamics

Close-Fit Body Panels

Body Assembly

Laser Welding

Excellent Ergonomics

### BENEFITS

**Improve air flow around body which reduces wind noise and improves fuel economy.**

**Avalon's gaps are checked by hand to provide an almost seamless look and reduce wind noise.**

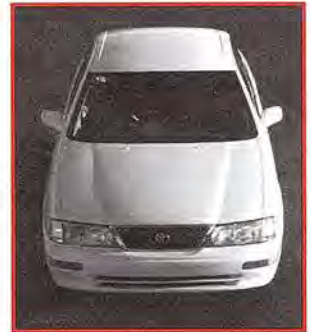
**Each side of the car is a one-piece construction. This reduces the number of parts used which results in a stronger body with fewer build inaccuracies.**

**Allows different metals to be bonded together, resulting in stronger body panels that resist rust.**

**Interior controls and instruments are easy to read, reach and operate.**

### Close-Fit Body Panels

Tight tolerances between body panels provide the Avalon with an almost seamless look and reduced wind noise. **Body gaps are actually checked by hand during assembly.** Interior parts are hand-installed to ensure the best possible appearance.



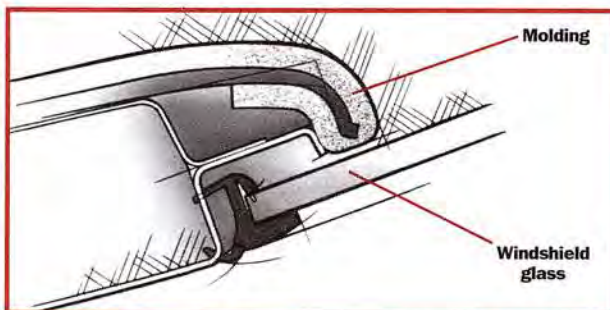
### Body Assembly

Most car bodies are assembled from many different pieces that are spot-welded together. The greater the number of pieces, the more likely build inaccuracies will occur. On the Avalon, each side of the car is a one-piece construction. These **highly accurate parts are assembled more tightly** and with a higher degree of accuracy. This **results in stronger bodies with the smallest of gaps between panels.**

## Exterior

### Body Aerodynamics

The Avalon has a drag coefficient of only 0.31, one of the lowest of any 4-door sedan. Its body has an aerodynamic design that smoothes the air flow around the body, **enhancing Avalon's sleek styling and reducing wind noise and turbulence, contributing to improved fuel economy.**



*One-piece windshield molding improves appearance*

### One-Piece Windshield Molding

This feature not only improves the look of the Avalon by giving it a smoother, **more finished appearance**, but also **lowers wind noise and eliminates fit quality inconsistencies** associated with multi-piece moldings. Furthermore, this design helps to **minimize drag and turbulence**, providing better fuel economy and reduced wind noise.



# Features and Benefits



## Laser Welding

Laser welding is **used to combine dissimilar metals**. For example, high strength steel used in door pillars is welded to rust-resistant galvanealed steel in lower door sills before the whole door panel is stamped. This allows Toyota engineers to specify different materials in specific areas of the vehicle and stamp large body panels in one piece for a **higher quality appearance**. It also adds **rigidity which increases strength and durability**.

## Wet Sanding

After it is machine sanded, each Avalon is **wet sanded by hand**, an art that may be a Toyota exclusive. This special care and up to four coats of paint are just two of the secrets responsible for the **lustrous, long-lasting paint finish** that characterizes Toyota vehicles.



*Highly accurate body assembly and laser welding contribute to Avalon's sophisticated appearance*

## Bumpers

Avalon's bumpers are made of a Toyota Super Olefin Polymer material that is **highly scratch-resistant**, has **surface smoothness comparable to steel**, and has **minimal expansion/contraction dynamics**. These characteristics permit a **tighter fit** between bumper and body, and help to **offer exceptional durability and improved fuel economy** due to their lighter weight.



*The Avalon sports exceptionally durable and attractive bumpers*

## New Alloy Wheel Design

For 1997, the Avalon XLS features an all-new fresh and distinctive aluminum alloy wheel design.



## Interior

### Excellent Ergonomics

- **Driver controls and switches** are logically positioned for easy operation.
- **Power windows and lock switches** are conveniently positioned on an extension of the armrest.
- The **automatic transmission selector** is designed to fit the hand.
- **Radio and air conditioner controls** are positioned high and close to the driver for easier viewing and operation.





# Features and Benefits

## Quality/Dependability/Reliability and Value



### KEY FEATURES

Rust Inhibitor Process

Stainless Steel Exhaust

Gold-Plated Electrical Connectors

### BENEFITS

A multi-step process that helps the body panels to resist rust and maintain their like-new appearance.

More durable than conventional systems and aids in catalyst warming.

Superior electrical conductors that resist corrosion and oxidation.

### Stainless Steel Exhaust

The Avalon's stainless steel exhaust system is not only **more durable** than conventional systems, it also **assists in catalyst warm up, resulting in lower emissions.**

## Reliability

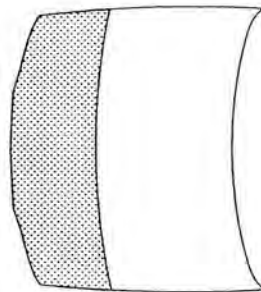
### Gold-Plated Electrical Connectors

Gold, one of the best electrical conductors, **resists oxidation and corrosion, thus greatly improving reliability.** These expensive terminals are used in vital circuits such as the fuel injection computer, oxygen sensor, and air bag sensors.

## Dependability

### Each Avalon Goes Through An Extensive Rust Inhibitor Process

- Each Avalon starts with **rust-resistant Excelite II steels** coated with a zinc and iron alloy. These are used for most inner and outer body panels. If a small scratch occurs, the Excelite II simply causes the paint to turn white and **helps protect the metal from rusting.**
- The body is fully dipped in a **phosphate bath** to make sure that even **the most inaccessible areas resist rust.**
- A **special wax sealer** is applied to the corners and crevices of the hood, doors and trunk lid to help protect rust-prone areas.
- **Anti-chip paint** is applied to the front edge of the hood, the lower door panels, and rocker panels to **help protect these areas from stone chips and other minor debris** thrown from the tires. **Lower door moldings** also help protect the lower doors.



Soft Chip-Primer



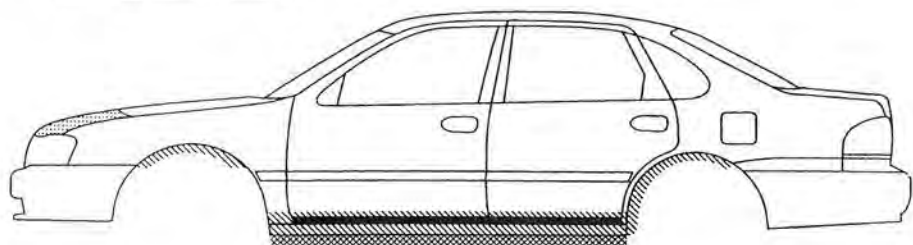
Anti-Chip Paint



PVC Chipping Primer



Anti-chip paint and lower door moldings protect Avalon's body from stone chips





**Air Bags, Dual (SRS)**

In vehicles equipped with an air bag Supplemental Restraint System (SRS), the air bag inflates with nitrogen gas within milliseconds to help limit the motion of the driver's head and upper torso to help prevent injury in a severe frontal impact. This system supplements, but does not replace, the 3-point seatbelt system, which provides primary protection. The air bag is not intended to operate during an impact other than a severe frontal impact, in which case the 3-point system is the only personal protection. In a severe frontal impact, the center main sensor senses the impact and activates the air bag system. The air bag, which emerges from the steering wheel pad, then deflates within a few tenths of a second.

The passenger-side air bag is usually incorporated into the top part of the passenger-side instrument panel. This air bag emerges from an air bag module that can usually be replaced without replacing the entire instrument panel. This bag is slightly larger than the driver-side air bag and is also designed to help limit the motion of the passenger's head and torso in case of a severe frontal impact.

**Anti-Lock-Out Power Door Locks**

Prevent the doors from being locked if the keys are in the ignition.

**Assist Grips**

Handles mounted on the inside of the vehicle. They provide a convenient place to grab and obtain leverage for entering and exiting the vehicle.

**Auto-On/Auto-Off "Intelligent" Headlamps**

This system detects the existing daylight conditions and automatically turns the headlamps on or off as required. The XL comes equipped with an auto-off only feature that automatically turns lights off when the key is removed and the driver's door is opened. These automatic systems "think" for the driver, providing an added level of convenience, safety and security.

**Automatic Transmission Shift Lock**

This safety device requires that the ignition be on and the brake pedal depressed before the transmission lever can be moved out of "Park." The shift lock prevents a car from being put into "Drive" or "Reverse" and accelerating inadvertently.

**Axle Ratio**

The number of times the driveshaft rotates to turn the axle shaft one rotation. For example, if the driveshaft gear had 10 teeth and the axle shaft gear had 30 teeth, the driveshaft gear would have to turn three times to turn the axle shaft gear once. This translates to a ratio of three-to-one (3:1).

**Compression Ratio**

A measurement of how tightly the air-fuel mixture is compressed or squeezed within the cylinder by the piston. This can be determined by taking the total volume of the cylinder when the piston is at its lowest point (Bottom Dead Center, or BDC) and dividing it by the volume when the piston is at its highest point (Top Dead Center, or TDC). In general, higher compression ratios yield greater power.

**Crumple Zones**

These exist at the front and rear of a vehicle to help absorb the impact of a collision. These pre-stressed areas in the fender, hood, frame and related body components are designed to deform in a predetermined manner during collision. Their purpose is to lessen the force the impact transfers to the passenger compartment. In essence, the crumple zone of a vehicle is sacrificed to protect the occupants.

**Double Overhead Cam (DOHC)**

An engine configuration with two overhead camshafts per row of cylinders. One camshaft operates the intake valves and the other operates the exhaust valves. This is the usual arrangement in engines with multi-valve cylinder heads. Compared to single overhead cam designs, the direct drive used in all Toyota DOHC engines requires fewer moving parts. It eliminates the rocker arm needed to activate the valves, thus improving efficiency and reducing vibration and noise. Compared to push-rod overhead valve (OHV) engines, which use an arrangement by which the camshaft is located in the engine block and opens the valves via long push-rods and rocker arms, it eliminates the need for both of these components. With fewer moving parts, there is less inertia. So, an overhead cam engine can run at a higher speed and produce more power than a comparably sized push-rod engine.

**ELR/ALR 3-Point Seatbelts**

The ELR (Emergency Locking Retractor) allows the driver seatbelt to extend and retract with occupant movement, yet locks the belt during a sudden stop or upon impact. The ALR (Automatic Locking Retractor) makes it possible to secure a baby seat without using a seatbelt locking clip. To activate the ALR retractor, pull the shoulder belt all the way out, then allow it to retract to the desired length. Press down firmly on the child seat as the belt retracts to buckle the child seat securely in place. The ALR retractor is deactivated by unbuckling the belt and allowing it to retract fully. Do not use a rearward-facing child seat in any front passenger seat. See Owner's Manual for child seat usage.



## **Engine Mount**

Engines (and transmissions) are mounted to a vehicle's frame or subframe on top of rubber and/or fluid-filled rubber devices.

## **4-Speed Electronically Controlled Automatic Transmission with "Intelligence" (4ECTi)**

This transmission is a 4-speed electronically controlled automatic overdrive transmission with an added "Intelligence" function that constantly monitors driver input to match transmission shifting to driver demand.

## **Halogen Headlamps**

Headlamps with special bulbs that provide brighter illumination than conventional bulbs, yet last longer and use less energy. They get their name from the halogen gas inside the bulb.

## **High Solar Energy Absorbing Glass (HSEA)**

Helps keep Avalon's interior cooler and helps reduce interior window fogging.

## **Horsepower**

The measurement of the ability to do work over time. One horsepower is the amount of energy needed to raise 33,000 pounds a distance of one foot in one minute. Simply put, it is an engine performance rating that measures its ability to maintain and maximize vehicle speeds.

## **Independent Suspension**

Each wheel of an independent suspension is sprung separately so that a bump affecting one does not affect the others.

## **MacPherson Strut Suspension System**

An independent suspension unit consisting of both a coil spring and a shock strut. (A shock absorber is inside the strut.) It is most commonly found in the front of passenger cars, but can also be used in the rear. This is a compact design that allows efficient space utilization while providing a smooth, comfortable ride with good handling.

## **Passenger Window Lock-Out System**

When used, this optional system disables the passenger windows from being operated by anyone except the driver.

## **Rack-and-Pinion Steering**

Consists of a round pinion gear attached to the steering shaft, and a flat bar with gear teeth cut into it, called the rack. The rack and pinion mesh at a point between the front wheels. As the steering wheel is turned, the shaft from the steering column turns the pinion gear, forcing the rack either right or left along a horizontal plane. The rack is linked to the wheels via tie rods, which push and pull the wheels to steer them. Rack-and-pinion is a steering system known for its precision and responsiveness.

## **Safing Sensor**

A sensor in a vehicle's air bag system designed to prevent inadvertent deployment.

## **Safety Glass (Laminated)**

Used in Avalon windshields, this glass consists of two panes bonded together with a sheet of plastic sandwiched in between. This keeps the glass together during an impact, reducing injuries from sharp edges.

## **Speed-Rated Tires**

A designation of the sustained high-speed capability of the tire. Special compounds and construction enable these tires to withstand the increase in heat and pressure that come at higher speeds. The speed rating is the letter on the sidewall in the tire's size: e.g. P205/65R15.

## **Subframe**

A frame separated from the vehicle's main frame, that supports specific vehicle components.

## **Torque**

A force in a twisting motion. In an engine, torque is the twisting motion at the crankshaft measured in foot-pounds (lb-ft). One foot-pound is the force of one pound acting at right angles at the end of an arm one foot long. Simply stated, torque is the engine power that gets a vehicle to speed, felt especially at off-line take-off and during acceleration.

## **Toyota Computer Controlled System (TCCS)**

A system used in all Toyota vehicles to monitor a variety of factors, including engine speed, engine temperature, air temperature and engine load. This information is sent to a sophisticated computer, which then coordinates adjustments to the fuel-injection and ignition system. This technology can optimize engine operation for emissions, performance and efficiency under varying driving conditions.



**Toyota Direct Ignition (Distributorless)**

Eliminates conventional components such as the cap and rotor. Each spark plug or pair of plugs get a separate coil. Each coil receives low voltage from conventional wires and turns this low voltage into high voltage, sending the pulse directly to the spark plug. Improved performance and durability are achieved.

**Toyota Vehicle Intrusion Protection (V.I.P.)**

This is an optional break-in alarm that flashes the headlamps and taillamps and sounds the horn when a secured Avalon is broken into. It also disables the starter if someone forcefully enters the car. The system is automatically armed by removing the ignition key from the ignition.

**Traction Control**

Helps to avoid slippage of the driving wheels that tends to happen during starting and acceleration and to maintain an optimal driving force according to the road surface conditions. The system eliminates the need for a subtle accelerator pedal operation and ensures vehicle stability when starting, accelerating or turning on slippery roads.

**Two-Turn Door Locks**

This option provides safety by opening the driver's door only when the key is inserted and turned once. A second turn unlocks the passenger door.

**Unibody Construction**

The floorpan of a vehicle and chassis are connected to form a single structure. There is no separate frame. By welding all body panels together to form the vehicle's frame, it is possible to build in strength and rigidity with less weight.

**Valet Trunk Locking System**

A locking system with two different keys. One key only opens the doors and operates the ignition. The second key opens all locks, including those for the glove box and trunk or rear hatch, and operates the ignition. The purpose is to provide a valet with a key that operates the ignition, but does not unlock the storage compartments. On cars with folding seatbacks, this locking system also includes special seat latches to help keep the contents of the trunk or hatch secure.

# **N**otes

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RETAIL DEVELOPMENT  
M/N 00623-97001-D



# 1997 INTERIOR TRIM



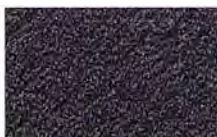
AVALON							
EXTERIOR	CODE	INTERIOR	CODE	XL CLOTH	XL LEATHER <sup>1</sup>	XLS CLOTH*	XLS LEATHER <sup>1</sup>
Super White	(040)	Adobe	(42)	■	■	■	■
		Quartz	(43)	■	■	■	■
Diamond White Pearl	(051)	Black	(21)	■	■	■	■
		Adobe	(42)	■	■	■	■
		Quartz	(43)	■	■	■	■
Black	(202)	Black	(21)	■	■	■	■
		Adobe	(42)	■	■	■	■
		Quartz	(43)	■	■	■	■
Ruby Pearl	(3L3)	Black	(21)	■	■	■	■
		Adobe	(42)	■	■	■	■
		Quartz	(43)	■	■	■	■
Cashmere Beige Metallic	(4M9)	Adobe	(42)	■	■	■	■
Vintage Rose Metallic*	(4N5)	Black	(21)	■	■	■	■
		Quartz	(43)	■	■	■	■
Silver Spruce Metallic	(6M3)	Adobe	(42)	■	■	■	■
		Quartz	(43)	■	■	■	■
Evergreen Pearl	(751)	Black	(21)	■	■	■	■
		Adobe	(42)	■	■	■	■
Blue Velvet Pearl*	(8L3)	Black	(21)	■	■	■	■
		Adobe	(42)	■	■	■	■
Shadow Plum Pearl	(927)	Quartz	(43)	■	■	■	■

Notes:

\*New for 1997

(1) Optional

XL



Cloth Black (21)



Cloth Adobe (42)



Cloth Quartz (43)



Leather Black (21)



Leather Adobe (42)



Leather Quartz (43)

XLS



Cloth Black (21)



Cloth Adobe (42)



Cloth Quartz (43)



Leather Black (21)



Leather Adobe (42)



Leather Quartz (43)





1 9 9 7  
EXTERIOR  
COLORS



AVALON

Super White (040)

Diamond White Pearl (051)

Black (202)

Ruby Pearl (3L3)



Cashmere Beige Metallic (4M9)



Vintage Rose Metallic\* (4N5)



Silver Spruce Metallic (6M3)



Evergreen Pearl (751)



Blue Velvet Pearl\* (8L3)



Shadow Plum Pearl (927)

Notes:

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