

1 9 9 7

PREVIA

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

- Improvements to the Supercharged engine to improve NVH and MPG:
 - Valve springs with lower spring tension
 - Increased rigidity of the accessory drive #3 housing stay and intake air tube #2 stay
- Front brake configuration is now identical for ABS and non-ABS equipped models
- New full wheel cover design
- New exterior colors
 - Glacier Green Metallic (6P9)
 - Deep Violet Pearl (936)
- Deleted exterior colors
 - Turquoise Frost Pearl (750)
 - Burgundy Pearl (8H8)
 - Nightshadow Pearl (8K0)
- New interior fabrics
 - Gray
 - Oak

Body Styles and Trim Levels

| Body Style | Trim Level | Trans. | Displacement | Cyl. | bhp | Model # |
|------------|-----------------|--------|--------------|------|-----|---------|
| Previa | DX S/C | 4ECT | 2.4 liter | 4 | 161 | 5124 |
| | LE S/C | 4ECT | 2.4 liter | 4 | 161 | 5134 |
| | All-Trac DX S/C | 4ECT | 2.4 liter | 4 | 161 | 5144 |
| | All-Trac LE S/C | 4ECT | 2.4 liter | 4 | 161 | 5154 |

Standard Features

Previa DX S/C

Mechanical

- 2.4-liter 4-cylinder DOHC* 16-valve intercooled supercharged EFI engine
- Air-to-air intercooler
- Engine oil auto feeder
- Electronic spark-advance with Knock Control System (KCS)
- Separate accessory drive system
- Rear-wheel drive
- 4-speed electronically controlled automatic overdrive transmission (4ECT)
- Independent MacPherson strut front suspension with stabilizer bar
- 4-link rear coil spring suspension
- Power-assisted rack-and-pinion steering
- Power-assisted ventilated front disc/rear drum brakes
- Rear brake Load-Sensing Proportioning Valve (LSPV)
- P215/65R15 All-season steel belted radial tires
- Full-size spare tire
- All-Weather Guard Equipment Package

Exterior

- Aero-style halogen headlamps with auto-off feature
- Chrome front grille accent
- Gray bumpers and bodyside anti-chip lower cladding
- Flush-mounted tinted safety glass
- Dual fixed black mirrors
- Black-out door pillars
- Sliding right side door
- 15" full wheel covers
- Center High-Mount Stop Lamp (CHMSL)
- Rear emblem: S/C



Model shown may have optional equipment

Interior

- 3-way adjustable front bucket seats (slide, recline and head restraints height) with adjustable armrests
- Center (2-passenger) bench seat with head restraints and seat-back pockets
- Rear (3-passenger) 50/50 split side-folding seat backs with head restraints
- Walk through access from front to rear seats
- Unique DX cloth seat trim
- Full formed door trim with armrest
- Dual door map pockets
- Lockable illuminated glove box
- Front center console storage box
- Dual sun visors with passenger-side vanity mirror
- Day/night rearview mirror
- Cloth headliner
- Front dual cup holder
- Third seat cup holder
- Assist grips
- Driver-side footrest
- Full instrumentation
- Warning lights and buzzers
- Color-keyed instrument panel
- Heavy-duty front heater with rear seat heater ducts

* Marketed as Twin-Cam

Standard Features

Previa DX S/C (Cont'd)

Interior (Cont'd)

- Tilt-out rear quarter windows
- Back door strap
- Urethane tilt steering wheel (4-spoke)
- Variable intermittent front windshield wipers with wet arm system
- Rear intermittent window wiper
- Rear-window defogger
- Digital quartz clock
- Front cigarette lighter and front/rear ashtrays
- Illuminated front ashtray
- Roof-mounted manual retractable antenna
- AM/FM ETR Radio with 6 speakers

All-Trac Models Add:

- All-Trac all-wheel drive with viscous-coupling-type center differential
- Side and rear emblems: All-Trac

Safety*

- Driver- and passenger-side air bag (SRS)
- Seatbelts
 - Driver: 3-point with ELR¹
 - Front passenger: 3-point with ELR/ALR¹
 - Rear outboard passengers: 3-point with ELR/ALR
 - Center passenger, second seat: 2-point lap belt
- Energy-absorbing steering wheel and column
- Child-protector sliding door lock

Previa LE S/C Differences vs Previa DX S/C

Mechanical

- Power-assisted ventilated 4-wheel disc brakes

Exterior

- Dual power black outside mirrors
- Rear emblem: LE S/C

Interior

- 4-way adjustable front bucket seats (slide, recline and head restraints tilt/height) with adjustable armrests
- Unique LE cloth seat trim
- Cloth door trim and pillar trim
- Front seat back map pockets

All-Trac Models Add:

- All-Trac all-wheel drive with viscous-coupling-type center differential
- Side emblem: All-Trac
- Rear emblem: All-Trac LE

- Illuminated driver- and passenger-side visor vanity mirrors
- Dual air conditioning (CFC-free)
- Power windows and door locks
 - One-touch driver-side auto down
 - Two-turn driver's lock
 - Anti-lock-out feature
 - Nighttime illumination
 - 60 seconds retained power after ignition key is removed
- Cruise control
- Illuminated front cigarette lighter
- Deluxe AM/FM ETR/Cassette with 6-speakers

* See "Safety" section beginning on page 9 for additional information

¹ With adjustable shoulder belt anchor

S

Standard/Optional Features

Mechanical

| | DX S/C | LE S/C | ALL-TRAC DX S/C | ALL-TRAC LE S/C |
|---|-----------------|--------|--------------------|--------------------|
| • California emissions {CA} | .O | .O | .O | .O |
| • 48-state emissions {RE} | .O | .O | .O | .O |
| • 2.4-liter 4-cylinder DOHC* 16-valve EFI intercooled supercharged engine | .S | .S | .S | .S |
| -Air-to-air intercooler | .S | .S | .S | .S |
| -Engine oil auto feeder | .S | .S | .S | .S |
| -Engine block heater | .A | .A | .A | .A |
| -Electronic spark-advance with Knock Control Sensor (KCS) | .S | .S | .S | .S |
| • Separate accessory drive system | .S | .S | .S | .S |
| • Rear-wheel drive | .S | .S | .NA | .NA |
| • All-wheel drive with viscous-coupling-type center differential (All-Trac) | .NA | .NA | .S | .S |
| • 4-speed electronically controlled automatic overdrive transmission (4ECT) | .S | .S | .S | .S |
| • Independent MacPherson strut front suspension with stabilizer bar | .S | .S | .S | .S |
| • 4-link rear coil spring suspension | .S | .S | .S | .S |
| • Power-assisted rack-and-pinion steering | .S | .S | .S | .S |
| • Power-assisted ventilated front disc/rear drum brakes | .S | .NA | .S | .NA |
| • Power-assisted ventilated 4-wheel disc brakes | .O ¹ | .S | .O ¹ | .S |
| • Rear brake Load-Sensing Proportioning Valve (LSPV) | .S | .S | .S | .S |
| • Anti-lock Brake System (ABS) {AB} | .O ² | .O | .O ² | .O |
| • P215/65R15 All-season steel belted radial tires | .S | .S | .S | .S |
| • Full-size spare tire | .S | .S | .S | .S |
| • All-Weather Guard Equipment Package | .S | .S | .S | .S |

Exterior

| | | | | |
|--|--------------------|-----------------|--------------------|-----------------|
| • Aero-style halogen headlamps with auto-off feature | .S | .S | .S | .S |
| • Front-end mask {KM} | .A ³ | .A ³ | .A ³ | .A ³ |
| • Chrome front grille accent | .S | .S | .S | .S |
| • Gray bumpers and bodyside anti-chip lower cladding | .S | .S | .S | .S |
| • Flush-mounted tinted safety glass | .S | .S | .S | .S |
| • Privacy glass {PG} | .O | .O | .O | .O |
| • Dual fixed black mirrors | .S | .NA | .S | .NA |
| • Dual power black outside mirrors | .O ⁴ | .S | .O ⁴ | .S |
| • Black-out door pillars | .S | .S | .S | .S |
| • Sliding right side door | .S | .S | .S | .S |
| • Roof rack {DR} | .A | .A ⁵ | .A | .A |
| • Bike rack attachment | .A | .A | .A | .A |
| • Ski rack attachment | .A | .A | .A | .A |
| • Running boards {RB} | .A | .A | .A | .A |
| • 15" full wheel covers | .S | .S | .S | .S |
| • Aluminum alloy wheels {AW} | .NA | .O | .NA | .O |
| • Alloy wheels (15"x6") {SS} | .A | .A | .A | .A |
| • Wheel locks (alloy) {WL}/{WZ} | .NA/A ⁶ | .A ⁶ | .NA/A ⁶ | .A ⁶ |
| • Wheel locks (steel) {WS} | .A | .A | .A | .A |
| • Center High-Mount Stop Lamp (CHMSL) | .S | .S | .S | .S |
| • Towing receiver hitch {DH} | .A | .A | .A | .A |
| • Trailer balls and ball mount kit | .A | .A | .A | .A |
| • Rear spoiler | .NA | .O ⁷ | .NA | .NA |
| • Rear emblem: S/C | .S | .NA | .S | .NA |
| • Rear emblem: LE S/C | .NA | .S | .NA | .S |
| • Side and rear emblem: All-Trac | .NA | .NA | .S | .S |
| • Gold Appearance Package {GP} | .A | .A | .A | .A |

Legend

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

Notes:

* Marketed as Twin-Cam
1 4-wheel disc brakes with ABS option {AB}
2 Includes 4-wheel disc brakes; requires {CL}
3 DIO only
4 Part of Power Package {PO}

5 Not available with dual moonroof {SR}
6 {WL} requires {AW} option; {WZ} requires {SS}
7 Part of dual moonroof {SR}; not available on All-Trac LE

S

Standard/Optional Features

Interior

| | DX S/C | LE S/C | ALL-TRAC DX S/C | ALL-TRAC LE S/C |
|---|----------------|-----------------|--------------------|--------------------|
| • 3-way adjustable front bucket seats (slide, recline and head restraint height) with adjustable armrests | S | NA | S | NA |
| • 4-way adjustable front bucket seats (slide, recline and head restraint tilt/height) with adjustable armrests | NA | S | NA | S |
| • Center (2-passenger) bench seat with head restraints and seat-back pockets | S | S | S | S |
| • Captain's Chairs {CC} | NA | O ⁸ | NA | O ⁸ |
| • Rear (3-passenger) 50/50 split side-folding seats with head restraints | S | S | S | S |
| • Front seat back map pockets | NA | S | NA | S |
| • Walk through access from front to rear seats | S | S | S | S |
| • Unique DX cloth seat trim | S | NA | S | NA |
| • Unique LE cloth seat trim | NA | S | NA | S |
| • Leather-trimmed seats and doors | NA | O ⁸ | NA | O ⁸ |
| • Full-formed door trim with armrest and dual door map pockets | S | S ⁹ | S | S ⁹ |
| • Cloth door trim and pillar trim | NA | S ⁹ | NA | S ⁹ |
| • Lockable illuminated glove box | S | S | S | S |
| • Front center console storage box | S | S | S | S |
| • Dual sun visors with passenger-side vanity mirror | S | S ¹⁰ | S | S ¹⁰ |
| • Day/night rearview mirror | S | S | S | S |
| • Cloth headliner | S | S | S | S |
| • Front dual cup holder | S | S | S | S |
| • Third-seat cup holder | S | S | S | S |
| • Assist grips: -1 passenger-side, -rear outboard positions, -side door | S | S | S | S |
| • Driver-side footrest | S | S | S | S |
| • Carpeted floor mats, 4-piece set {CF} | A | A | A | A |
| • Carpeted floor mats, 4-piece set {C2} | NA | A ¹¹ | NA | A ¹¹ |
| • Cargo net {GN} | A | A | A | A |
| • Cargo/trunk mat {C1} | A | A | A | A |
| • Instrumentation: speedometer, tripmeter, odometer, coolant temperature and fuel level gauges | S | S | S | S |
| • Warning lights: air bags, brake, door ajar, battery, oil pressure, check engine, seatbelt disconnect and low fuel level | S | S | S | S |
| • Warning buzzers: key-in-ignition | S | S | S | S |
| • Color-keyed instrument panel | S | S | S | S |
| • Dual power moonroof {SR} (Includes sunshade and rear spoiler) | NA | O | NA | NA |
| • Dual air conditioning (CFC-free) {AC} | O | S | O | S |
| • Heavy-duty front heater with rear seat heater ducts | S | S | S | S |
| • Cellular mobile telephones (fixed/portable) | A ³ | A ³ | A ³ | A ³ |
| • Theft Deterrent System Enhancement (TDSE) {RK} | NA | O ¹² | NA | O ¹² |
| • Toyota Vehicle Intrusion Protection (V.I.P.) {V1}/{V3} | A | A | A | A |
| • Keyless Entry System {KE} | A | A | A | A |
| • Power windows and door locks | O ⁴ | S ¹³ | O ⁴ | S ¹³ |
| • Tilt-out rear quarter windows | S | S | S | S |
| • Back door strap | S | S | S | S |
| • Cruise control {CL} | O | S | O | S |
| • Urethane tilt steering wheel (4-spoke) | S | S | S | S |
| • Variable intermittent front windshield wipers with wet arm system | S | S | S | S |
| • Rear intermittent window wiper | S | S | S | S |
| • Rear-window defogger | S | S | S | S |
| • Digital quartz clock | S | S | S | S |
| • Front cigarette lighter and front/rear ashtrays | S | S ¹⁴ | S | S ¹⁴ |
| • Illuminated front ashtray | S | S | S | S |
| • Roof-mounted manual retractable antenna | S | S | S | S |
| • AM/FM ETR Radio with 6 speakers | S | NA | S | NA |

Legend

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

Notes:

{CC} Includes two middle Captain's Chairs with adjustable head restraints, armrests, swivel feature and cup holder

3 DIO only

4 Part of Power Package {PO}

8 Included in Leather-trim Package {LA}

9 Includes leather door panel inserts with Leather-trim Package {LA}

10 Illuminated; driver-side included

11 Requires optional Captain's Chairs {CC}

12 Requires {PN} option

13 With one-touch driver-side auto-down, two-turn driver's lock, anti-lock-out feature, nighttime illumination and retained power feature

14 Illuminated cigarette lighter

Standard/Optional Features

Interior (Cont'd)

| | DX S/C | LE S/C | ALL-TRAC DX S/C | ALL-TRAC LE S/C |
|--|--------|------------------|--------------------|--------------------|
| • Deluxe AM/FM ETR/Cassette with 6 speakers {EX} | .O | .S | .O | .S |
| • Premium AM/FM ETR/Cassette {CE} | .NA | .O | .NA | .O |
| • Premium 3-in-1 AM/FM ETR/Cassette/CD Player {DC} | .NA | .O | .NA | .O |
| • Compact Disc Deck {P6} | .A | .A ¹⁵ | .A | .A ¹⁵ |
| • 3-Disc CD {P3} | .A | .A | .A | .A |
| • 6-Disc CD Changer {P9} | .A | .A ¹⁵ | .A | .A ¹⁵ |
| • Security Package {PN} | .O | .O | .O | .O |
| • Leather-trim Package {LA} | .NA | .O | .NA | .O |
| • Power Package {PO} | .O | .S | .O | .S |
| • Value Package {#VP} | .O | .NA | .O | .NA |
| • Value Package {VP} | .NA | .O | .NA | .O |
| • Value Package w/ CC (Cloth) {VF} | .NA | .O | .NA | .O |
| • Value Package w/ CC (Leather) {VQ} | .NA | .O | .NA | .O |

Safety*

| | | | | |
|---|----|----|----|----|
| • Driver- and passenger-side air bag Supplemental Restraint System (SRS) | .S | .S | .S | .S |
| • Seatbelt, driver: 3-point with ELR ^{16,18} | .S | .S | .S | .S |
| • Seatbelt, front outboard passenger: 3-point with ELR/ALR ^{17,18} | .S | .S | .S | .S |
| • Seatbelt, rear outboard passengers: 3-point with ELR/ALR ¹⁷ | .S | .S | .S | .S |
| • Seatbelt, center passenger, second seat: 2-point lap belt | .S | .S | .S | .S |
| • Energy-absorbing steering wheel and column | .S | .S | .S | .S |
| • Child-protector sliding door lock | .S | .S | .S | .S |

Legend

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

Notes:

{CE} Includes programmable equalizer, FM diversity antenna system and 7 speakers; requires {PG} option
{DC} Includes programmable equalizer, FM diversity antenna system and 9 speakers; requires {PG} option
{PN} Includes anti-theft device, power windows, door locks, mirrors (security type) and key-in ignition door lock with buzzer
{LA} Includes leather-trimmed seating, door panels and Captain's Chairs
{PO} Includes power windows, door locks, dual power outside mirrors and key-in ignition door lock with buzzer
{#VP} Includes air conditioner, cruise control, AM/FM ETR/Cassette with 6-speakers, power windows, power door locks, power outer mirrors, key-in ignition door lock with buzzer and privacy glass
{VP} Includes 4-wheel ABS, rear disc brakes and privacy glass
{VF} Includes 4-wheel ABS, rear disc brakes, privacy glass and Captain's Chairs
{VQ} Includes 4-wheel ABS, rear disc brakes, privacy glass and Leather-trim Package with Captain's Chairs

* See "Safety" section beginning on page 9 for additional information

¹⁵ Not available with {DC} audio system

¹⁶ Emergency Locking Retractor (ELR)

¹⁷ Emergency Locking Retractor (ELR)/Automatic Locking Retractor (ALR)

¹⁸ With adjustable shoulder belt anchor

Specifications

Mechanical

| | DX S/C | LE S/C | All-Trac DX S/C | All-Trac LE S/C |
|--------------------------|--|--|--|--|
| ENGINE | | | | |
| Type | 2.4-L 4-Cyl DOHC* 16-V EFI with intercooled supercharger | 2.4-L 4-Cyl DOHC* 16-V EFI with intercooled supercharger | 2.4-L 4-Cyl DOHC* 16-V EFI with intercooled supercharger | 2.4-L 4-Cyl DOHC* 16-V EFI with intercooled supercharger |
| Horsepower (bhp @ rpm) | 161 @ 5000 | 161 @ 5000 | 161 @ 5000 | 161 @ 5000 |
| Torque (lb-ft @ rpm) | 201 @ 3600 | 201 @ 3600 | 201 @ 3600 | 201 @ 3600 |
| MPG (EPA est. city/hwy) | 4ECT - 18/22 | 4ECT - 18/22 | 4ECT - 17/20 | 4ECT - 17/20 |
| DRIVETRAIN | | | | |
| Type | Mid-engine / rear-wheel drive | Mid-engine / rear-wheel drive | Mid-engine / Full-time all-wheel drive | Mid-engine / Full-time all-wheel drive |
| TRANSMISSION | | | | |
| | -standard 4-speed ECT auto overdrive | 4-speed ECT auto overdrive | 4-speed ECT auto overdrive | 4-speed ECT auto overdrive |
| Center Differential | NA | NA | Viscous coupling center | Viscous coupling center |
| SUSPENSION | | | | |
| | -front Ind; MacPherson strut w/stab. bar | Ind; MacPherson strut w/stab. bar | Ind; MacPherson strut w/stab. bar | Ind; MacPherson strut w/stab. bar |
| | -rear Solid rear axle; 4-link coil spring | Solid rear axle; 4-link coil spring | Solid rear axle; 4-link coil spring | Solid rear axle; 4-link coil spring |
| STEERING | | | | |
| Type | Power-asstd. rack-and-pinion | Power-asstd. rack-and-pinion | Power-asstd. rack-and-pinion | Power-asstd. rack-and-pinion |
| Steering Ratio | 18.6:1 | 18.6:1 | 18.6:1 | 18.6:1 |
| Turning Diameter** (ft.) | 37.4 | 37.4 | 37.4 | 37.4 |
| BRAKES*** | | | | |
| Front/Rear | -standard Ventilated disc/drum w/LSPV ¹ | 4-wheel ventilated disc w/LSPV ¹ | Ventilated disc/drum w/LSPV ¹ | 4-wheel ventilated disc w/LSPV ¹ |
| | -optional 4-wheel vent. disc w/ABS ² | ABS ² | 4-wheel vent. disc w/ABS ² | ABS ² |
| WHEELS | | | | |
| Type/Size | -standard Steel / 6.0 x 15 | Steel / 6.0 x 15 | Steel / 6.0 x 15 | Steel / 6.0 x 15 |
| | -optional NA | Alloy / 6.0 x 15 | NA | Alloy / 6.0 x 15 |
| TIRES | | | | |
| Type | All-season steel belted radial | All-season steel belted radial | All-season steel belted radial | All-season steel belted radial |
| Size | P215/65R15 | P215/65R15 | P215/65R15 | P215/65R15 |
| Spare | Full-size | Full-size | Full-size | Full-size |
| CAPACITIES | | | | |
| Curb Weight (lb.) | 3755 | 3875 | 3975 | 4095 |
| Fuel Tank (gal.) | 19.8 | 19.8 | 19.8 | 19.8 |
| Towing† (lb.) | 3500 | 3500 | 3500 | 3500 |

Exterior

| | | | | |
|--------------------------------|-------------|-------------------|-------------|-------------|
| Wheelbase (in.) | 112.8 | 112.8 | 112.8 | 112.8 |
| Overall Length (in.) | 187.0 | 187.0 | 187.0 | 187.0 |
| Overall Width (in.) | 70.8 | 70.8 | 70.8 | 70.8 |
| Overall Height (in.) -unloaded | 70.1 | 70.1 ³ | 70.5 | 70.5 |
| Tread Width -front/rear (in.) | 61.6 / 61.2 | 61.6 / 61.2 | 61.6 / 61.2 | 61.6 / 61.2 |
| Drag Coefficient (Cd) | .34 | .34 | .34 | .34 |

Interior

| | | | | |
|---------------------------------------|---------------------|---------------------------------|---------------------|---------------------------------|
| Seating Capacity -front/mid/rear | 2/2/3 = 7 | 2/2/3 = 7 | 2/2/3 = 7 | 2/2/3 = 7 |
| Head Room -front/mid/rear (in.) | 39.4 / 38.9 / 37.8 | 39.4 / 38.9 / 37.8 | 39.4 / 38.9 / 37.8 | 39.4 / 38.9 / 37.8 |
| Leg Room -front/mid/rear (in.) | 40.1 / 36.6 / 36.3 | 40.1 / 36.6 / 36.3 ⁴ | 40.1 / 36.6 / 36.3 | 40.1 / 36.6 / 36.3 ⁴ |
| Shoulder Room -front/mid/rear (in.) | 61.1 / 61.6 / 60.6 | 61.1 / 61.6 / 60.6 | 61.1 / 61.6 / 60.6 | 61.1 / 61.6 / 60.6 |
| Hip Room -front/mid/rear (in.) | 56.9 / 64.4 / 57.4 | 56.9 / 64.4 / 57.4 | 56.9 / 64.4 / 57.4 | 56.9 / 64.4 / 57.4 |
| Cargo -behind front/mid/rear (cu.ft.) | 157.8 / 85.3 / 32.5 | 157.8 / 85.3 / 32.5 | 157.8 / 85.3 / 32.5 | 157.8 / 85.3 / 32.5 |

Safety††

| | | | | |
|-----------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|
| OCCUPANT RESTRAINT SYSTEMS | | | | |
| Air Bag (SRS) | Driver- and passenger-side | Driver- and passenger-side | Driver- and passenger-side | Driver- and passenger-side |
| Seatbelts | -driver 3-point with ELR ^{5,7} | 3-point with ELR ^{5,7} | 3-point with ELR ^{5,7} | 3-point with ELR ^{5,7} |
| | -front passenger 3-point with ELR/ALR ^{6,7} | 3-point with ELR/ALR ^{6,7} | 3-point with ELR/ALR ^{6,7} | 3-point with ELR/ALR ^{6,7} |
| | -rear outboard passengers 3-point with ELR/ALR ⁶ | 3-point with ELR/ALR ⁶ | 3-point with ELR/ALR ⁶ | 3-point with ELR/ALR ⁶ |
| | -center passenger 2-point lap belt | 2-point lap belt | 2-point lap belt | 2-point lap belt |

Notes:

NA Feature not available
— Information not available

* Marketed as Twin-Cam

** Curb-to-curb

*** Power-Assisted

† Requires additional equipment. Consult the 1997 Toyota Trailer Towing Guide for details and GCWR limits.

†† See "Safety" section beginning on page 9 for additional information

1 Rear brake Load-Sensing Proportioning Valve (LSPV)

2 LSPV is replaced by P&B valve on models with ABS

3 71.3 with optional dual moonroof (SR)

4 37.2 with optional Captain's Chairs (CC)

5 Emergency Locking Retractor (ELR)

6 Emergency Locking Retractor (ELR)/Automatic Locking Retractor (ALR)

7 With adjustable shoulder belt anchor

Features and Benefits

Safety



KEY FEATURES

Dual Air Bag Supplemental Restraint System (SRS)*

Crumple Zones

Optional 4-Wheel Anti-lock Brake System (ABS)

Rear Load-Sensing Proportioning Valve (LSPV)

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 collision.

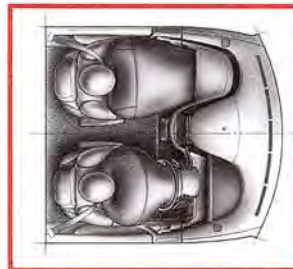
Helps avoid wheel lockup while providing better steering control during hard braking.

Helps reduce rear wheel lockup and improve steering control.

Impact Protection

Dual Air Bags Supplemental Restraint System (SRS)*

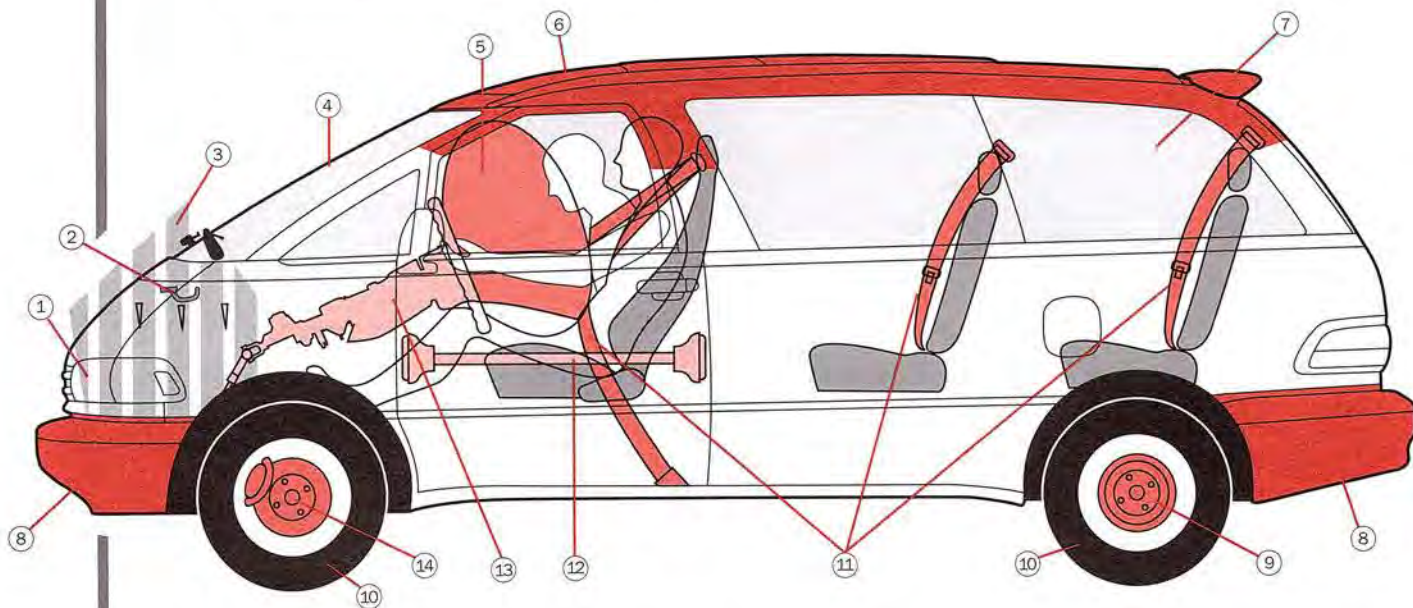
In a severe frontal collision, sensors (located in the floor tunnel) detect the force of the impact and cause the bags to inflate within milliseconds (after it begins to happen) helping to limit the motion of the head and upper body. Safety belts must be worn at all times for maximum protection. Air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



Crumple Zones

Protective features at the front of the Previa 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, crash energy is dissipated, which prevents much of the collision energy from reaching the passenger compartment.

- 1 Halogen headlamps
- 2 Hood hold-down hooks
- 3 Crumple zones
- 4 Laminated safety glass
- 5 Dual air bags (SRS)*
- 6 Roof strength
- 7 Tempered safety glass
- 8 Impact-absorbing bumpers
- 9 Drum brakes w/LSPV /opt. ABS
- 10 Steel belted radials
- 11 3-point seatbelts
- 12 Side-door beams
- 13 Energy-absorbing steering wheel and column
- 14 Ventilated disc brakes/opt. ABS



* 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 forces 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



Side-Door Beams

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

Rigid Unibody Construction

To help protect occupants, Previa uses a **high tensile-strength steel** to form this rigid, cage-like structure which consists of reinforced side pillars, side doors with steel beams and reinforcements in the roof and floor.

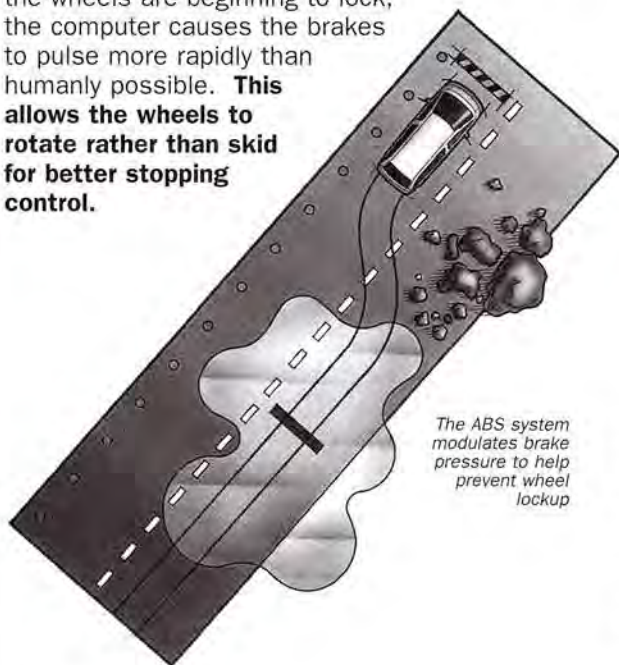
3-Point ELR/ALR Safety Belts at All Outboard Locations

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

Accident Avoidance

Anti-lock Brake System (ABS)¹

ABS is a sophisticated computer-controlled system that regulates braking pressure to help avoid wheel lockup 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.**



The ABS system modulates brake pressure to help prevent wheel lockup

Rear Load-Sensing Proportioning Valve (LSPV)

The LSPV varies the amount of hydraulic pressure the rear brakes receive based upon the load condition of the vehicle. **This helps reduce rear wheel lockup depending on the load, thereby helping the driver to maintain better control during braking.**

Ventilated Front and Rear Disc Brakes²

Vents in the brake disc (or rotor) 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.**

Center High-Mount Stop Lamp (CHMSL)

This third brake light, stylishly integrated into the roof of the Previa **helps drivers in vehicles behind the van to recognize more quickly that the brakes have been applied.**

Additional Safety Features

Other safety items on the Previa that help the driver avoid accidents are:

1. **Front, side, and rear window defoggers** for better visibility.
2. **Rear intermittent window wiper** for better rearward visibility.
3. **Halogen headlamps** that provide better illumination.
4. **All-season steel belted radial tires** for a better grip on the road.
5. **Automatic transmission shift-lock** prevents the shift lever from being moved out of "Park" unless the brake pedal is depressed.



Side window defoggers help maintain visibility in inclement weather

Previas All-Trac All-Wheel Drive³

The Previa's All-Trac system includes a sophisticated viscous coupling-type center differential which redirects power from the wheels with limited traction to those wheels that aren't spinning. So, Previa's all-wheel drive and "thinking" differential **can power through bad driving conditions** when conventional all-wheel drive vehicles may get stuck.

1 Optional on all models. Includes 4-wheel discs which are standard on LE

2 Rear disc brakes optional on DX

3 Optional on DX and LE models

Features and Benefits



Personal Security

The following standard or optional features provide customers greater feelings of "safety and security" every time they enter and use their Previa:

- **Low fuel level warning light** appears when 2.5 gallons are left.
- **Full-size spare tire** eliminates the worries often associated with a temporary spare tire.
- **Night-time illumination** of driver's controls for windows and doors.⁴
- **Two-turn power driver's door lock** allows the driver to turn the key once to unlock the driver's door. A second turn conveniently unlocks all doors (see Glossary).⁴
- **Anti-lock-out power door locks** prevent the doors from being locked if the key is in the ignition.⁴
- **Low oil level warning light** reminds the driver to check the engine oil reservoir under the hood.
- **Child-protector sliding door lock** renders the inside door handle inoperable so children can't open the door.



Warning lights are shielded from glare and thus are easy to see

⁴ Optional on DX model

Features and Benefits

Performance



KEY FEATURES

2.4-L 16-Valve
Supercharged Engine

4-Valves per Cylinder

Mid-Engine Layout

Optional Previa
All-Trac

BENEFITS

Provides 161 HP and 201 lb-ft of torque for great power and efficient performance.

Increases power and economy by allowing more fuel/air mixture into the cylinder for more efficient combustion.

The engine is located mid way between the wheels for near ideal front-rear weight distribution. Helps provide superior handling.

Provides full-time all-wheel drive for excellent traction and control in inclement weather.

Air-to-Air Intercooler

Heated air expands. The warmer the air, the less that fits into an engine's cylinders. The 2.4-L supercharged engine features an intercooler (a radiator-like device) that cools the air leaving the supercharger, so more of it can be forced into the engine. This denser charge of air helps **add more horsepower and torque**. It also makes the supercharged engine even more efficient. The combination of supercharging and intercooling provides **increased horsepower and torque over conventional engines for great power and efficient performance**.

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

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

Drivetrain

The 2.4-L 4-Cylinder 16-Valve Supercharged Engine Provides Excellent Power

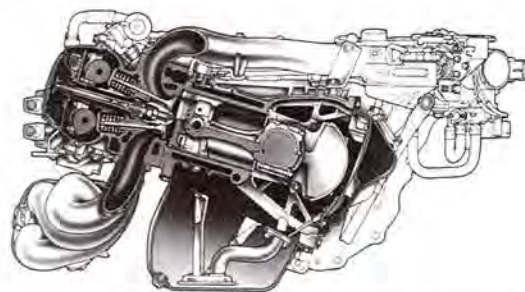
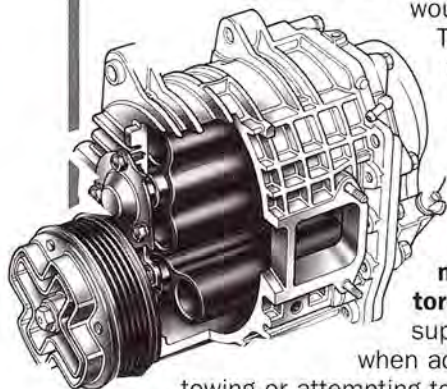
This engine achieves 161 horsepower (HP) at 5000 rpm. It's torque is rated at 201 lb-ft at 3600 rpm.

Supercharger

A supercharger basically **helps a smaller engine to do the work of a larger one**. The supercharger is a pump that forces more fuel/air mixture into the engine's cylinders than they

would normally take in. These larger charges of fuel and air produce more powerful explosions when the spark plug fires.

This, in turn, **provides the driver with significantly more horsepower and torque**. Drivers will enjoy superb engine response when accelerating, hauling, towing or attempting to pass.



Previas mid-engine design provides optimized weight distribution for improved handling

Mid-Engine Layout

The Previa engine is located about midway between the front and rear wheels. This layout, which is similar to some of the world's most exotic sports cars, allows a near ideal front-rear weight distribution for **more responsive steering and handling**. Additional characteristics and benefits of this layout are:

- The engine lies on a 75-degree angle allowing two benefits: **greater cabin space, and a lower center of gravity** (because heavy mechanical components are placed in the lower part of the vehicle).
- **All service points** (oil, engine coolant, brake fluid, etc.) are located under the hood and **can be accessed easily**.

Features and Benefits



- Previa has a **unique engine oil auto feeder** under the hood that automatically tops off the engine oil as required. All the owner has to do is check the **see-through reservoir** under the hood.
- A separate **accessory drive system** located under the hood powers the air conditioning compressor, alternator, and all other drive belts. This enables all these systems to be located in the front under the hood **for easy servicing**.



Previas service systems are designed for easy access

The 4-Speed Electronically Controlled Automatic Transmission (4ECT)

Gear selection is controlled by a sophisticated computer that analyzes driving conditions (speed, load, etc.) and driver actions (throttle position) before selecting a gear. **The result is smoother shifts and improved performance and fuel economy.** Following are four features of the transmission:

1. **The ECT Power Button** has "Normal" and "Power" modes which 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).
2. **Overdrive 4th Gear** reduces engine rpm at highway speeds which provides quieter driving and increased fuel economy.

The overdrive-off switch is conveniently located on the shift lever



3. The **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. The **Electronic Control Unit** momentarily retards ignition timing and electronically disengages the transmission during gear changes. This results in smoother shifts and better performance.

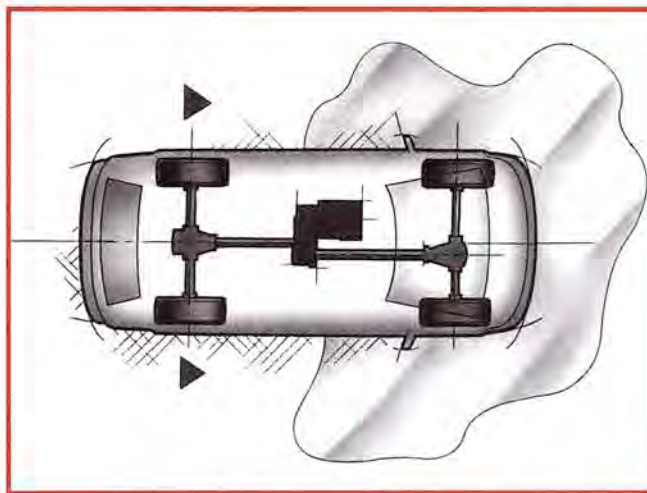
Rear-Wheel Drive

Rear-wheel drive provides **excellent traction over a wide range of vehicle load conditions.** Traction is actually increased as the vehicle is loaded more heavily. Rear-wheel drive vehicles also permit high trailer towing capabilities, so Previa's **versatility is enhanced by greater load carrying and towing capabilities.** The Previa is rated at 3500 pounds towing capacity.¹ This is sufficient for recreational trailers such as small boats and tent trailers.

All-Trac All-Wheel Drive (Optional)

The Previa has a "thinking" differential which is known as a viscous coupling. It senses when wheels are spinning and redirects power to the wheels that have the most traction. Previa's system can **power the vehicle through some**

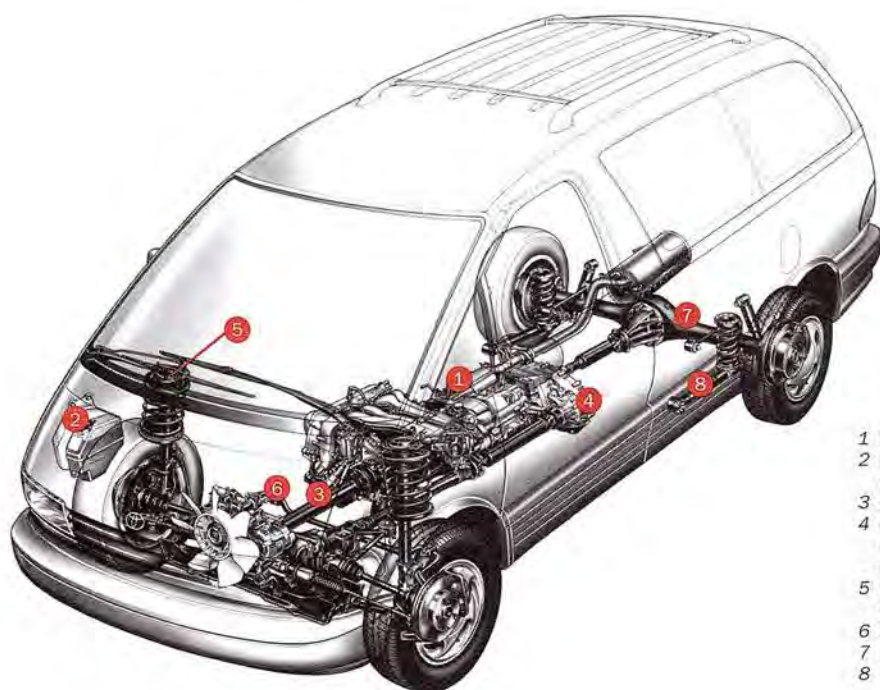
slippery conditions that a conventional all-wheel drive system may not be able to make. So, Previa drivers are **more likely to avoid traction problems associated with inclement weather or road conditions.**



All-Trac delivers superior traction on wet pavement and during inclement weather

¹ For further information on Gross Combined Weight rated limits and required additional equipment, consult the 1997 Toyota Trailer Towing Guide available at your Toyota dealer

Features and Benefits



- 1 Engine location
- 2 Engine oil auto feeder reservoir
- 3 Accessory drive system
- 4 Differential on All-Trac models directs power to wheels with greatest traction
- 5 MacPherson strut front suspension
- 6 Stabilizer bar
- 7 Live rear axle
- 8 4-link coil spring suspension

Chassis

MacPherson Strut Front Suspension

The MacPherson Strut front suspension provides generous wheel travel for a smoother ride over rough and irregular road surfaces.

Front Stabilizer Bar

This suspension piece helps reduce body roll (or leaning) while cornering. This helps provide the Previa greater vehicle stability and driver control.

Live Solid Rear Axle with 4-Link Coil Spring Suspension

The Previa is designed to carry heavy loads of people or cargo. In addition, a live solid rear axle helps prevent severe wear on the outside edges of the tires by keeping the wheels and tires perpendicular to the road surface regardless of load weight. This results in better handling and stability. In addition, the coil springs provide a smoother ride than leaf springs. They are mounted in a way that minimizes intrusion into passenger or cargo space.

Power-Assisted Rack-and-Pinion Steering

Rack-and-pinion steering is a simple, precise steering system that is rugged and durable, and also provides outstanding steering response and excellent road feel. To help optimize steering feel and reduce vibration, rubber mounted bushings are used to attach the steering gearbox to the frame.



Features and Benefits

Comfort and Convenience



KEY FEATURES

Spacious Seating for Seven

Vast Cargo Space

Folding Rear Seats

Sliding Side Door

BENEFITS

Two buckets up front, two seats in the second row, and a three-seat bench in the third.

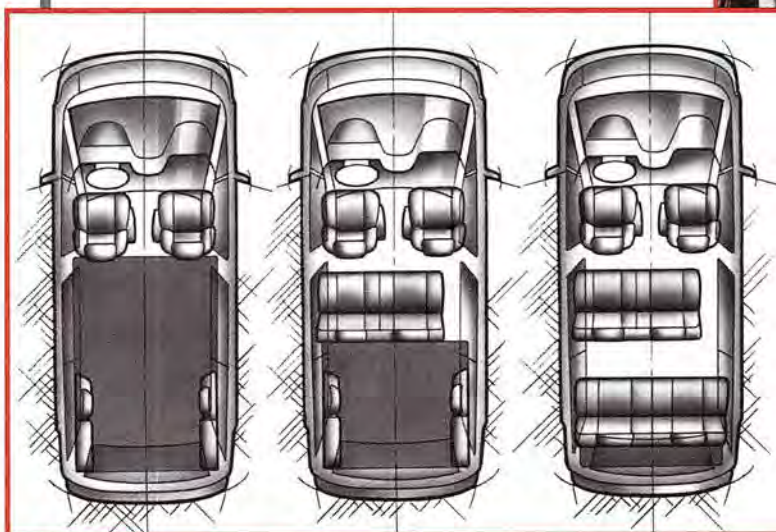
32.5 cu. ft of cargo space while seating seven. 157.8 cu. ft. with the middle seat out and the rear seat folded away.

Rear seats don't have to be removed to store cargo. They fold up and away to the side behind the wheel wells

Makes it easy to enter and exit the Previa, even in a tight parking space.

Spacious and Comfortable Seating for Seven

Up to seven adults can ride comfortably in the Previa. The driver and front passenger have **bucket seats** with adjustable armrests and head restraints. Passengers in the middle row have a choice of a **comfortable bench** or the optional **Captain's Chairs¹**. The third row contains a **three-seat bench**.



Carrying large cargo is not a problem in this configuration

Previas offers plenty of versatility for carrying people and cargo

7-passenger configuration



Previas offers plenty of seating versatility

Removable Middle Seats

Both the standard middle bench seat and the optional Captain's Chairs¹ are **contoured for maximum comfort**. The luxurious optional Captain's Chairs¹ swivel and have individual armrests for comfort. The **middle seat can be easily removed** to create additional cargo space.

Adjustable Shoulder Belt Anchors²

The Previa 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 to enhance occupant comfort**.

1 Captain's Chairs available on LE model only. Also included in Leather-trim Package

2 For driver and front passenger only

Features and Benefits



Tilt Steering Wheel

This standard feature allows the driver to find the **most comfortable steering wheel position**. They will also enjoy easier **entrance and exit** from the vehicle.



Overhead A/C unit for efficient cooling

Heater/Dual Air Conditioning

The **heavy-duty heater** has **rear-seat ducts** that run under the seats to help warm the entire cabin. The optional dual air conditioner has familiar vents in the instrument panel, plus a **separate overhead unit** that directs airflow to cool the rear of the cabin. This

design allows cool air to fall and hot air to rise for **more efficient heating and cooling**.

Passenger Walk-Through

The optional Captain's Chairs¹ have an **open center aisle** between them. So, **passengers can move from back to front through the center aisle**.

Rear Door

The rear cargo area is accessed through a lift-up rear door that rises high and out of the way to allow **easy loading and unloading**. Most adults will be able to stand underneath it when it is raised. An assist strap on the inside of the door helps to pull it down to close.

Sliding Side Door

Tight parking won't be a problem for rear passengers because of the sliding side door. They will **get in and out of the Previa easily** and will always be on the curb side of the street. The door is mounted on rollers for **quiet operation and a light-touch close**.

Tilt-Out Rear Quarter Windows

Child-safe, tilt-out rear windows are located at both sides of the middle row and at the left rear position. These safety windows **enhance fresh air circulation** in the cabin.

Additional Convenience Features:

These four standard items and one optional item help make daily use of the Previa more convenient.

1. **Small-item storage compartments** include the glovebox, console box, and door map pockets.
2. **Assist grips** facilitate entry and exit.
3. **Cup holders** for passengers in all rows.
4. **Parking brake lever** found on the driver's left keeps the center aisle clear.
5. **Power windows**³ include a one-touch down feature.



The optional Captain's Chair configuration provides convenient walk-through space¹



The Previa's easy to operate sliding side door opens only to the curb side for safety reasons

1 Captain's Chairs available on LE model only. Also included in Leather-trim Package

3 Standard on LE. Optional on DX models

Features and Benefits

Styling



KEY FEATURES

Unique Body Contours

Wide Lower Bodyside Cladding

Close-Fit Body Panels

Ergonomically-Designed Instrument Panel

BENEFITS

Reduce wind noise and provide a unique, sleek, contemporary look.

Made of high-impact plastic to help keep a like-new appearance by resisting scratches and dings

Provide a seamless look and help reduce wind noise.

Major function controls are located in the center panel for easy access by the driver and front passenger.

Exterior

Body Contours

The Previa's designers created a minivan with superior aerodynamics and unique styling. The physical features include a boldly slanted nose, flush sides and a rounded tail. **The sliding door track has been neatly integrated** into the belt line making it nearly invisible.



Protection against stone chips is provided by the **wide, high-impact plastic lower bodyside cladding**. The black-out side window trim provides a sleek, unified appearance to the interior.

Flush-Mounted Glass

This feature **reduces wind noise** in the passenger cabin, enhances Previa's **sleek, contemporary appearance**, and adds to the Previa's aerodynamic efficiency.

Close-Fit Body Panels

Tight tolerances between body panels provide the Previa with an almost **seamless look and reduced wind noise**.

Interior

Instrument Panel Ergonomics and Design

Ergonomics means that controls and switches are placed in **logical, easy-to-reach positions**. Toyota engineers strive to make the ergonomics pleasing to Previa drivers and passengers. The Previa's major control functions are located in the center panel where they can be reached easily by both the driver and front passenger. Also, the instruments are mounted deep in the panel, **shielding them from the sun's glare**. This **reduces driver fatigue** and enhances driver and passenger comfort.



The ergonomically designed instrument panel holds large, legible analog gauges

Other Interior Features

The Previa's interior is **roomy and inviting** with soft, rounded forms enveloping the passengers. Here are four features that contribute to an inviting interior:

1. **Digital clock** located above the rearview mirror for all occupants to see.
2. **Light interior colors** in the upholstery and headliner are warm and airy.
3. The **front buckets** and optional Captain's Chairs¹ are **form-fitting**.
4. **Generous storage space** provided by numerous interior compartments and pockets.



The clock is easy to see for everybody

1. Captain's Chairs available on LE model only. Also included in Leather-trim Package

Features and Benefits

Quality/Dependability/Reliability and Value



KEY FEATURES

Award Quality

Rust Inhibitor Process

Supercharged Engine Durability

Gold-Plated Electrical Connectors

BENEFITS

Previa was ranked by J.D. Power and Associates as the Best Compact Van in Initial Quality for 1996.

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

Enhanced by high-strength metals and superior lubrication system.

Resist oxidation and corrosion, greatly improving reliability.

Rigid Unibody Structure

The roof, floor, and side pillars of the passenger compartment form a cage-like structure called a highly-rigid unibody. Previa uses a high tensile-strength steel to form this unibody. It **helps maintain a tight fit of windows and doors** and greatly **enhances durability** while reducing vibration and noise transmission.

Supercharged Engine Durability

The pistons in the supercharged engine are made of squeeze-cast aluminum which **provides greater strength and high temperature resistance**. They are resin-coated to reduce friction and are cooled by oil jets to significantly increase durability. Since the supercharged engine has higher lubrication requirements, **the oil pump capacity and discharge rates are upgraded**.

Dependability

Award Quality

J.D. Power and Associates ranked Previa the Best Compact Van in Initial Quality.^{SM 1} We believe this provides customers **peace of mind** in knowing that Toyota has proven to be a provider of **high initial quality vans** by independent researchers.

Each Previa Goes Through An Extensive Rust Inhibitor Process

- **Excelite steels**, which resist rust resulting from scratches, are used for most of the exterior body panels.
- **Polyvinyl Chloride (PVC)** coating is applied to the underside of the body.
- **Wide lower bodyside cladding**, made of high-impact plastic, helps to protect against chipping and denting.
- **Wax coating and sealers** are used in various places, including body and door sheet metal hems.



Lower bodyside cladding helps to resist chipping and denting

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 sensor.

All-Trac Viscous Coupling Differential

The center differential in All-Trac models uses a viscous coupling which eliminates clutch plates and other mechanical items found in other types of differentials. **This delivers smoother operation and greater long-term reliability.**



¹ J.D. Power and Associates 1996 Light Truck Initial Quality StudySM. The Previa is the highest ranked compact van in the J.D. Power and Associates 1996 Light Truck Initial Quality StudySM. Study based on a total of 11,815 consumer responses indicating owner reported problems during the first 90 days of ownership.

Features and Benefits



Value

IntelliChoice Value Accolades²

IntelliChoice is an independent company that publishes The Complete Car Cost Guide. This publication, available in many libraries, reports, analyzes and rates cost of ownership data. They provided the following assessments of the Previa:

Projected Ownership Cost Savings vs Average

- Previa LE \$304*

*Approximate savings based on annual mileage of 14,000 miles for 5 years ownership period.



Projected Insurance Cost

- Rating: Excellent
- For all Previa models, over 5 years

Drivetrain Warranty

- Rating: Excellent
- For all Previa models, over 5 years

2 From the 1996 edition of The Complete Car Cost Guide™, Copyright 1996 IntelliChoice, Inc.®, Campbell, CA. Internet Address <http://www.intellichoice.com>

Air Bag, 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, sensors located in both the left and right front fenders, as well as the center main sensor, sense the impact and activate 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 to ensure that it limits the motion of the passenger's head and torso in case of a severe frontal impact.

Anti-Lock-Out Power Door Locks

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

Assist Grips

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

Automatic Transmission Shift Lock

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

Balance Shafts

Balance shafts are small, weighted shafts — similar to a camshaft — inside the engine block. Two balance shafts rotate in the direction counter to that of the crankshaft rotation to "cancel out" engine vibration. Balance shafts are most common to 4-cylinder engines to help reduce noise, vibration and harshness (NVH) inherent in this engine design.

Coil Spring

A thick steel wire that has been coiled and heat-treated to form a very strong spring. Commonly found on cars and some car-like trucks (minivans and sport-utility vehicles), coil springs are space efficient and can be designed with various rates of stiffness within the same spring. A vehicle's ride, handling and load capacity are largely defined by the strength and design of its coil springs.

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 forces the impact transfers to the passenger compartment. In essence, the crumple zones of a vehicle deform first to help protect the occupants.

Double Overhead Cam (DOHC)/Twin-Cam

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. See Owner's Manual for child seat usage.

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.

Horsepower (HP)

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 the engine performance rating that helps an engine maintain and maximize vehicle speeds.

Hydraulic Shift Pressure

Automatic transmissions operate by fluid pressures, causing gear changes inside the case.

Independent Suspension

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

Load-Sensing Proportioning Valve (LSPV)

Mounted to the frame and the rear suspension arm/rear axle, the LSPV senses the weight distribution of the vehicle and automatically varies the amount of hydraulic pressure to the rear brakes based on the load in the vehicle. This helps to reduce rear-wheel lockup with either light or heavy loads for improved stopping control.

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.

Mid-Engine

The arrangement used in some sports cars where the engine is between the front and rear axles and drives the rear wheels. By placing the engine toward the center of the vehicle, balance and weight distribution can be optimized.

Passenger Window Lock-Out System

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

Privacy Glass

A deeply-tinted rear and side window glass that keeps the sun's rays out of the passenger cabin and provides an added measure of occupant privacy.

PVC: Polyvinyl Chloride

A plastic compound that is corrosion resistant and easy to use. It is found in many automotive and household applications.

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. In general, rack-and-pinion steering is precise and responsive.

Safing Sensor

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

Safety Glass (Laminated)

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

Safety Glass (Tempered)

This heat-treated glass used in side and rear windows breaks into small blunt pieces when broken.

Glossary

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.

Two-Turn Door Locks

In a vehicle with this feature (including all Toyotas with power door locks), only the driver's door is unlocked when the key is turned in that door's lock. A second turn unlocks the other doors. This provides extra security in situations where the driver desires to open only one door, yet also allows the convenience of easily unlocking doors for all passengers.

Ventilated Disc Brakes

Vents in the brake rotor allow cooling air to pass through the hot disc. This reduces heat build-up and lessens the chance of the brakes fading, glazing or warping.

*N*otes

Notes



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Any EPA fuel economy figures included in this publication are estimates to be compared with "estimated mpg" of other vehicles. Drivers may get different mileage depending on the speed they drive, weather conditions, trip length, condition of the vehicle and vehicle equipment. Mileage in actual driving will probably be less than EPA estimated fuel economy for highway driving.

RETAIL DEVELOPMENT
M/N 00623-97001-E

1 9 9 7 INTERIOR TRIM



PREVIEW

| EXTERIOR | CODE | INTERIOR | CODE | DX SC CLOTH* | LE SC CLOTH* | LE SC LEATHER ¹ |
|--------------------------|-------|----------|-----------------------------|-----------------|-----------------|-------------------------------|
| White | (041) | Gray | (11).....■.....■..... | | | |
| | | Mocha | (41).....■.....■.....■..... | | | |
| Graystone Pearl | (191) | Gray | (11).....■.....■..... | | | |
| Opal Beige Pearl | (193) | Gray | (11).....■.....■..... | | | |
| | | Mocha | (41).....■.....■.....■..... | | | |
| Garnet Red Pearl | (3J7) | Gray | (11).....■.....■..... | | | |
| | | Mocha | (41).....■.....■.....■..... | | | |
| Sandstone Beige Metallic | (4K9) | Mocha | (41).....■.....■.....■..... | | | |
| Glacier Green Metallic* | (6P9) | Gray | (11).....■.....■..... | | | |
| | | Mocha | (41).....■.....■.....■..... | | | |
| Evergreen Pearl | (751) | Gray | (11).....■.....■..... | | | |
| | | Mocha | (41).....■.....■.....■..... | | | |
| Deep Violet Pearl* | (936) | Gray | (11).....■.....■..... | | | |

Notes:

*New for 1997

(1) Optional

DX SC



Cloth

Gray (11)



Cloth

Mocha (41)

LE SC



Cloth

Gray (11)



Cloth

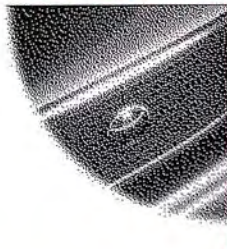
Mocha (41)



Leather

Mocha (41)

1 9 9 7
EXTERIOR
COLORS



PREVIA



White (041)



Graystone Pearl (191)



Opal Beige Pearl (193)



Garnet Red Pearl (317)



Sandstone Beige Metallic (4K9)



Glacier Green Metallic* (6P9)



Evergreen Pearl (751)



Deep Violet Pearl* (936)

Notes:

*New for 1997

