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1997 VENTURE. ALL NEW FROM CHEVROLET.



Become a member of the Venture team!
Call 1.800.950.2438. We want to know
what you think. We will send you more
information as it becomes available.



The all-new 1997
Chevrolet Venture
Minivan is coming
this fall. Watch
for it.

CHEVROLET VENTURE. IT'S EVERYTHING YOU WANT IN A MINIVAN.

Venture is the thoughtfully designed Chevrolet that has everything you want in a minivan. It is exceptionally roomy, beautifully contemporary, and designed to a high standard of quality.

The Room You Need
Venture offers the choice of regular- or extended-length models. Both

models feature standard seating for seven passengers. Optional modular rear seats are lightweight (34 lbs.) and removal is an easy, one-person operation.

A Complete Safety Package
A comprehensive standard safety package includes dual air bags, a four-wheel anti-lock brake system (ABS), a rigid steel safety cage surrounding the entire

passenger compartment, and automatic Daytime Running Lamps. Built-in child safety seats are optional.

Dual Sliding Doors
An easy-sliding right-side door is standard on all Ventures, and a left-side door is optional.

Optional Power Sliding Door
The extended-length Venture may also be ordered with a power sliding right-side door.

Car-Like Quiet Ride
A beautiful blend of ride and response has been achieved with an all-new tuned suspension, super-rigid body structure, and an aerodynamic body design that reduces wind noise at highway speeds.

Convenience Features

In a Venture, you'll find cup holders for everyone, 26 storage locations for big and small items, and available convenience nets in both passenger and cargo areas.

More Standard

Horsepower

With a standard 3400 V6 engine, the front-wheel-drive Venture offers more standard horsepower than any 1996 Chrysler or Ford minivan. Advanced technology features

include an electronically controlled 4-speed automatic transmission and optional traction control. And in a Venture, you can travel up to 100,000 miles before the first scheduled tune-up.*

*Maintenance needs vary with different uses and driving conditions. See owner's manual for more information.

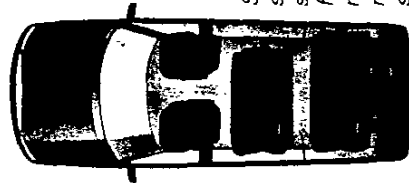
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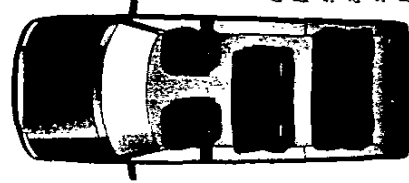
Regular-length Venture Minivan



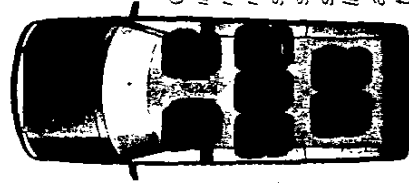
Extended-length Venture Minivan



Standard seating is for seven with foldable, removable rear bench seats.



Optional split-bench rear seats offer additional seating flexibility.

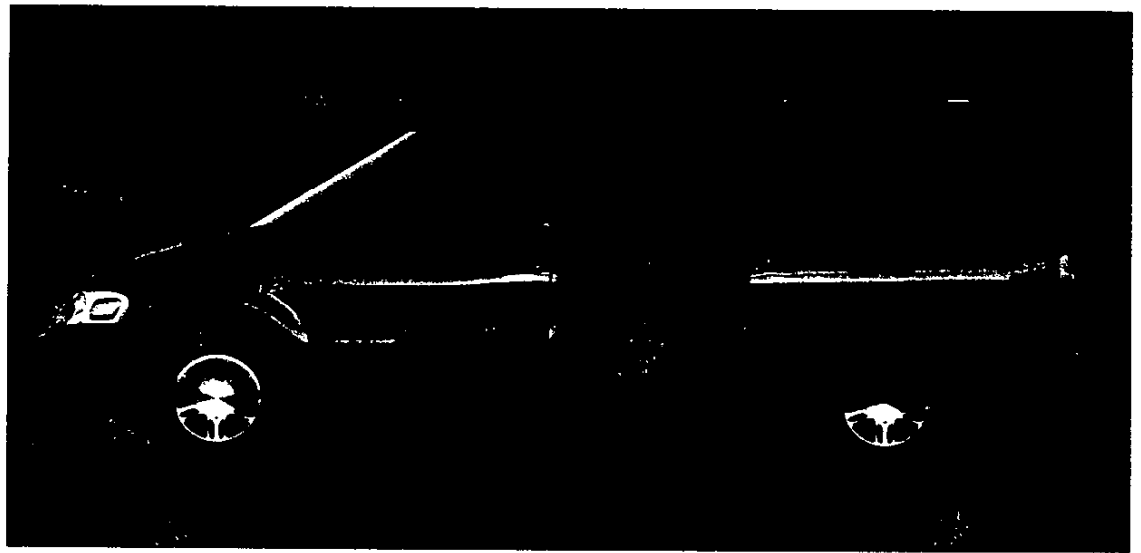


Optional individually removable rear modular seats (with seven) are lightweight and easy to remove.



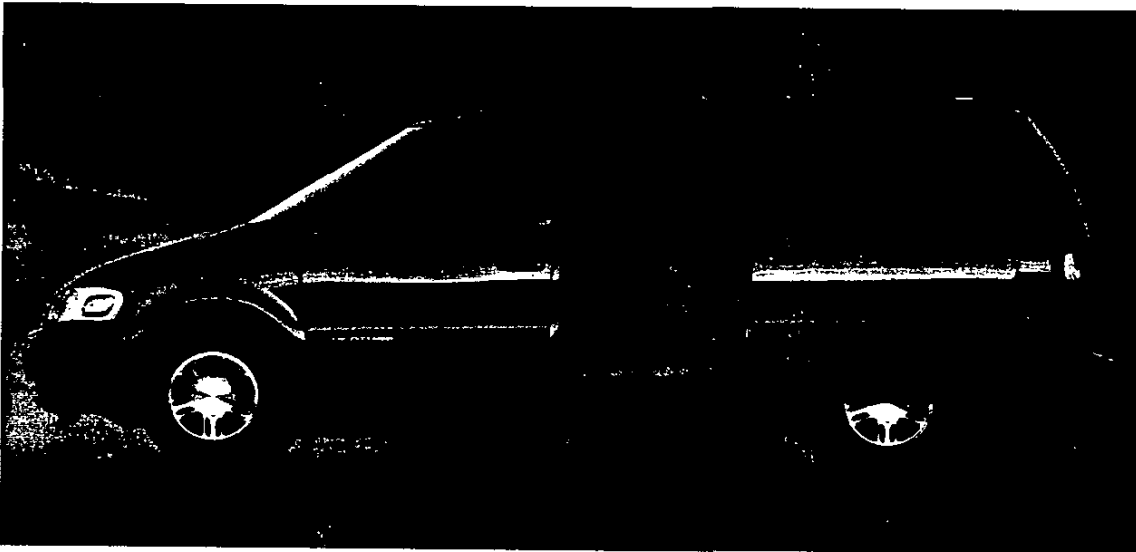
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PRODUCT INFORMATION
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V E N T U R E

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V E N T U R E



For Release: Immediately

Contact: Chevrolet/Geo Communications
Phone: (800) CHEVY-MI or
(810) 492-8841
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11598 - 6/96

ALL-NEW 1997 VENTURE — THE MINIVAN WITH INNOVATIVE IDEAS

Warren, Mich. — It takes great credentials to compete effectively in the minivan market — and the all-new Chevrolet Venture has them with features to spare.

In fact, Venture Minivan is loaded with standard value features not found on some competitors. Available in either Regular- or Extended-Wheelbase Passenger Van models or in an Extended-Wheelbase Cargo Van model (interim availability), Venture is part of GM's first "global" minivan effort. Design teams from Europe and the United States have joined together to produce an all-new minivan that is contemporary in design, proportioned to fit easily in most garages and parking spaces, affordable for families and technologically proven.

Venture Minivan presents a slick and stylish appearance, accented with a distinctive bright "egg crate" grille design to establish Chevrolet character. The windshield pillar design, recessed wipers and low hoodline combine to give great forward visibility, contributing to the feeling of control and security.

The windshield is a story in itself. It contains an innovative Sungate solar coating that helps keep the vehicle interior cooler than uncoated glass. This metallic coating also serves as the radio antenna. It's an industry first that helps cut down on vandalism and eliminates snags at the local car wash, while helping reduce wind noise as well.

Venture also features an available driver's side rear sliding door,* and large exterior mirrors that fold in both directions, making the exterior design both practical and stylish.

The Venture interior is loaded with innovative ideas. Design engineers concentrated on feedback from current minivan owners to deliver what time-challenged, family-centered households want most: easy entry/egress, roomy interior, flexible seating, large cargo capacity and convenient storage spaces for small items.

*Initially available only on Extended-Wheelbase models.

— MORE —

The results? For starters, Venture Extended-Wheelbase provides larger sliding side-door openings than 1996 Ford Windstar and Chrysler minivans. There's a unique*, optional power passenger-side sliding door (Extended models) that opens and closes at the touch of a control — which is especially convenient for times when arms are loaded with packages or for curbside loading of passengers. Controls for the power door are located on the overhead console, the B-pillar behind the front passenger seat and on the optional Remote Keyless Entry key fob.

The sliding side doors are also easy to open manually. In fact, engineers angled the tracks slightly to help the doors slide more smoothly than doors on prior GM minivan models. Furthermore, with the flip-and-fold capability of its second-row seats, Venture provides convenient driver-side sliding door access to the third row of seats.

As a global effort, Venture is designed to handle the narrow streets of Europe, yet provide the interior space and comfort American consumers demand in their minivans. For example, Venture provides wide front seat walkthrough and more cargo volume behind the third seat than either present Ford Windstar or Chrysler minivans.

There's seating for as many as seven passengers, and Venture offers optional rear bucket seating to create one of the most versatile seating systems found in any minivan! Specifically, Venture Extended-Wheelbase boasts interior seat flexibility that beats 1996 Ford Windstar, Dodge Caravan, and Plymouth Voyager — hands down. The rear buckets fold flat and flip forward for more cargo room — and with the seat assemblies weighing only about 38 lbs. each, seat removal is a simple task, even for one person. This helps the Venture driver easily balance passenger and cargo room to meet changing situations.

Furthermore, Venture seating engineers have redefined the word "comfort," thanks to the use of "pressure mapping," a method of measuring the relative pressures exerted on seating surfaces by specific torso contact areas. This advanced technology is designed to help reduce fatigue and maximize travel comfort, and its effectiveness has been affirmed through research with Oldsmobile Aurora and Buick Riviera owners. Benefits of the new Venture seat design become increasingly evident as hours on the road pass by.

Additional Venture interior amenities include as many as 17 cup holders (most of which accommodate juice boxes) and as many as 26 storage areas for miscellaneous small items such as toys, games and purses. Interior roof rail lighting, standard

*Excludes other GM Divisions.

11598 – 6/96

on LS models, helps in entering or exiting the vehicle. There is also “theatre” seating, with the floor rise increased toward the rear to provide better forward view for center- and rear-seat passengers. Comparing this “theater” seating to competitive vehicles reveals Chrysler has a lower rise, and Ford Windstar offers no rise in the third-seat area at all. Another Venture convenience is a replaceable pollen filter, standard on all models — and for hay fever sufferers, that’s good news.

Wind noise in the rear-seat area was minimized through the development of secondary seals for the pop-out windows. Venture also features an available dual mode sound system (LS models) that allows front-seat passengers to listen to the radio while rear-seat riders can play tapes or CDs (or vice versa). It’s another Venture exclusive over current Ford Windstar and Chrysler minivans.

Venture boasts up to 155.9 of cargo capacity in the Extended-Wheelbase 4-Door — more than Ford Windstar and competitive with current Chrysler extended-length models. There’s also more cargo volume behind the rear seat, plus rear-area cargo tie-downs (not available on present Ford or Chrysler minivans). And Venture has room to handle 4' x 8' sheets of plywood with the gate closed (Extended-Wheelbase model) — something the current Ford Windstar doesn’t provide.

Even bulky cargo is easy to load, thanks to large rear and sliding side door openings. To facilitate loading from the rear, struts align nearly vertically to the vehicle with the liftgate open, and therefore do not intrude into the loading path.

Venture offers an abundance of safety features, and heading the list is GM’s award-winning 4-wheel anti-lock brake system, which minimizes any feeling of pulsation during braking action. Also included are standard air bags, designed for use with safety belts, for the driver and front passenger and head restraints for all outboard seating positions. Built-in child safety seats are also available in the second row seating position.

Additional safety features include the large headlamps that use reflector optics for expansive coverage and penetration and also provide a big, bright, pleasing “jeweled” look. Automatic Daytime Running Lamps are also standard, so other drivers can easily see Venture. Specially designed all-weather tires help drivers handle a variety of roads. And the front structure of Venture features crumple zones to help absorb energy in a collision.

Venture also specializes in giving buyers “more than expected” — especially in the area of safety. For example, a special molding designed into the windshield pillars helps channel water away from the side windows for a clear view. An innovative

— MORE —

interlock system is designed to prevent the optional driver-side sliding door from opening inadvertently when the fuel filler door is open. Traction control, which enhances available traction on slick road surfaces, is optional. "Bringing up the rear" is a wiper/washer that sweeps the glass area a full 180 degrees.

Power — and plenty of it — is also a Venture Minivan strength. The proven 3400 V6 engine with Sequential Fuel Injection, provides 180 hp at 5200 rpm — greater than any standard minivan — and 205 lb.-ft. of torque at 4000 rpm. This V6 engine benefits from at least six generations of GM V6 engine development technology. It's teamed with a sophisticated 4-speed electronically controlled automatic transmission that provides virtually "seamless shifts" and smooth operation.

With the optional Trailering Package, a properly equipped Venture can tow as many as 3,500 lbs. — plenty of capacity to enhance family vacations. And Venture provides unsurpassed fuel capacity for minivans — with a 25 gallon gas tank capacity standard for Extended models.

Venture is part of the Chevy family of Vans which also includes the full-size Chevy Van and Chevy Express and the midsize Astro. This impressive array of vans offers customers options in size, power, economy and utility.

Chevrolet/Geo recognizes the importance of mobility to everyone's life and, therefore, offers financial assistance to persons with disabilities through the General Motors Mobility Program. This program provides financial assistance — as much as \$1,000 — toward the cost of any aftermarket adaptive equipment for drivers or passengers and/or vehicle "alerting devices" for deaf and hearing impaired drivers. A special feature of the program is single-transaction GMAC financing for the vehicle and its adaptive aids. Further details are available by calling the GM Mobility Assistance Center at 1-800-323-9935.

The minivan market is a tough arena in which to compete. Choices are many, competitors are proven and customers are very selective. It takes a minivan with great credentials to mount a credible challenge. For Chevrolet, that minivan has arrived with the all-new 1997 Venture.

#



1997 VENTURE MINIVAN

BRAND POSITIONING
VENTURE HIGH-VALUE FEATURES

"The all-new Chevy Venture boasts contemporary design, affordability and proven engine technology."

Fred Schaafsma, Vehicle Line Executive (VLE)

BRAND POSITIONING

The Chevy Venture offers a family the freedom to get the most out of life. Venture is for families who want a practical, reliable minivan designed to offer superior value and impressive ease of use. Venture delivers features minivan shoppers want, including:

- Contemporary styling
- Seven-passenger seating
- Easy entry and exit
- Flexible interior (seating and cargo area)
- Noise isolation
- Impressive engine performance
- Light to moderate trailering capability
- Good all-around visibility
- Abundant storage for small items
- Generous cargo space.

VENTURE HIGH-VALUE FEATURES

One of the reasons that Venture is such an exceptional value is that it's loaded with many high-value features that minivan owners will appreciate. Included are:

- A responsive, 180-HP, standard V6 engine
- Continuous, integrated body structure for a solid, smooth, quiet ride that minimizes the queasy feeling sometimes caused by riding in other minivans
- Hidden wipers to minimize wind noise
- Full-function rear-seat audio controls (optional), to give rear-seat passengers a listening choice, different from front-seat passengers
- Sungate solar windshield with integral antenna for cooler interior, less chance of vandalism
- Hidden wipers gives driver better downward vision through the windshield for added safety
- Theatre seating (rise in floor) for excellent visibility from 2nd- and 3rd-row seating
- Seats designed by "pressure mapping" for comfort on long trips
- Variable-effort power steering for less driver fatigue
- Front air conditioning
- Power door locks with sliding door delay
- Power remote control outside mirrors

1997 VENTURE MINIVAN

VENTURE HIGH-VALUE FEATURES (CONTINUED)

CUSTOMER COMMENTS



"Efficient design creates a vehicle that is very roomy for exterior size. Designers made everything as space-efficient as possible."

Fred Schaafsma, Vehicle Line Executive

- Large headlamps that use reflector optics to provide a big, bright, pleasing, "jeweled" look
- Side cargo nets for added storage
- Sliding door storage bins for extra convenience
- Convenience net between front seats for additional storage
- Second-row windows that open for more ventilation
- Four-way front driver's seat that flips forward for easy access to second-row seats
- Up to 17 cup holders for more passenger convenience
- Up to 155.9 cubic feet of cargo space (Extended 4-Door model)
- Available rear-seat HVAC temperature controls for added rear-passenger comfort (Extended models)
- Available flip-and-fold modular seats for maximum seating flexibility and comfort
- Large outside rearview mirrors that fold in both directions. To reset after leaving car wash, for example, simply push on the mirror and it snaps back in place
- Vertically aligned rear liftgate struts do not intrude into loading path.

CUSTOMER COMMENTS

In a recent General Motors consumer test, Venture was exposed to several minivan buyers to get their opinions. Here are just a few of their comments on Venture utility, space, visibility and doors.

- "More useable cargo space behind third-row seats than either Ford Windstar or Chrysler minivans have."
- "Larger outside rearview mirror is best in class."
- "Power sliding door is a real asset."
- "Door and liftgate efforts are good."
- "Very classy exterior appearance."

Additional comments:

- "The interior really surprised us with its roominess and attention to details that make life easier in our day-to-day travels. The purse net is a delight and the glove box is gigantic. There is even room to store things in the sliding doors ... and that was not available on other vans. We really liked the way the whole van was laid out. The gauges were big and bright and easy to see. The air conditioning and radio controls were easy to reach by both the driver and the front passenger. And the kids were taken care of with the rear-seat radio controls. Now they can listen to their tapes while we listen to the radio. This works out nicely on long trips. We were really sold on the Venture interior when it was



1997 VENTURE MINIVAN

CUSTOMER COMMENTS (CONTINUED)
MODELS

"We targeted our customer's needs in designing Venture."

John Middlebrook, Chevrolet General Manager

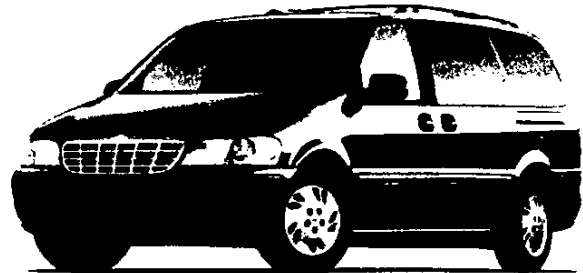
demonstrated how easy it was to create more space inside the van by just flipping and folding the seats. And, if I have to take them out, the seats are very light. It made us wonder why the Chrysler seats needed wheels."

- "When we drove the Venture, the performance and handling was better than expected and quiet, too. The engine seemed more than powerful enough ... that's a safety feature that goes a step beyond dual air bags and child safety seats. The Venture looked great, very contemporary. The Venture had so many standard features, and the comfort of knowing we could buy it from a dealer we already knew, helped us make the decision that Venture was going to be the right minivan for us."

MODELS

The 1997 Venture is available in four models:

- Regular-Wheelbase Passenger 3-Door Minivan
- Extended-Wheelbase Passenger 3-Door Minivan



- Extended-Wheelbase Passenger 4-Door Minivan (shown above)
- Extended-Wheelbase Cargo Minivan (interim availability).

The Passenger Vans are available in Standard and LS trim levels. The Cargo Van will be available later this year as a Standard Extended Van only.

The LS trim package adds the following equipment to Venture Passenger Van:

- Interior roof rail lighting
- AM/FM stereo with digital clock, automatic tone control, cassette player and front and rear coaxial speakers
- Acoustic package
- Cargo convenience net
- Custom Cloth seating
- Custom trim
- Cruise control
- Remote Keyless Entry.

1997 VENTURE MINIVAN

COMPETITORS

DEMOGRAPHICS

1997 VENTURE OVERVIEW



COMPETITORS

Venture competes in the midsize van segment. This segment has grown steadily, and accounted for almost 18 percent of truck industry volume in 1995. The total segment volume is projected to grow nearly 30 percent by 2002.

Chief competitors are:

- Dodge Caravan
- Dodge Grand Caravan
- Plymouth Voyager
- Plymouth Grand Voyager
- Ford Windstar
- Mercury Villager
- Nissan Quest
- Honda Odyssey

DEMOGRAPHICS

Venture Minivan:

- Median age is 44 years
- Median household income of \$50,000
- 89% are married
- 42% of buyers are female
- 45% of buyers are college graduates.

Occupations include:

- 26.3% Professional
- 10.5% Sales/Clerical
- 19.3% Retired
- 14.8% Labor
- 14% Managerial
- 4.6% Farm.

Venture is for the time-challenged, family-centered household seeking the ideal transportation solution to a variety of family activities. Big space and high value are important to them as is

"Venture is more compact outside than Ford or Chrysler models, yet it has wider sliding door openings, almost twice Chrysler's volume in its interior storage compartments, including a glovebox that is over three times as large as Chrysler."

Fred Schaafsma, Vehicle Line Executive (VLE)

contemporary design, proven technology and affordability.

Prospects are willing to pay extra for safety features, a major concern to them, yet Venture provides ABS, air bags, and child safety locks as standard features.



1997 VENTURE OVERVIEW

Venture is all-new from front to back. Designed for time-challenged families with lots to carry, Venture features easy entry, egress and plenty of flexible seating /storage space.

INTERIOR

Venture Extended-Wheelbase boasts interior seat flexibility that beats 1996 Ford Windstar, Dodge Caravan, and Plymouth Voyager, hands down. The easy-to-use seating system on Venture permits quick removal or reconfiguration of interior for space on demand.



1997 VENTURE MINIVAN

1997 VENTURE OVERVIEW (CONTINUED)

CHEVROLET MEDIA ONLINE

Major new interior features include:

- Up to 155.9 cu. ft. of cargo space (Extended-Wheelbase 4-Door)
- Sliding door designed to enhance entry/exit
- Vertically aligned rear struts do not intrude into loading path
- Optional sliding second door on driver side
- Efficient design with a very roomy interior for exterior size
- As many as 17 cup holders for soda cans and juice boxes
- As many as 26 storage areas for smaller items
- More cargo volume behind rear seats for added stowage, compared to 1996 Ford Windstar and Chrysler minivans
- "Theatre" seating (rise in floor) which increases toward rear of vehicle for impressive passenger viewing
- 8.3" walk-through between front seats
- More third-row hip room than its predecessor
- Minimal wind noise in the rear-seat area through the use of pop-out secondary window seals.

In short, Venture offers an interior designed for practical cargo loading, with plentiful provisions for interior storage, cargo flexibility and ease of access at all door openings.

POWERTRAIN

There should be no penalty because you drive a minivan. With more standard horsepower at their command than any 1996 Ford or Chrysler standard engine can offer, Venture owners can expect performance more often associated with a V6-powered midsize family sedan.

The heart of the Venture powertrain is a quiet and powerful 3400 V6 with Sequential Fuel Injection. This proven design offers:

- 180 HP @ 5200 rpm and 205 lb.-ft. of torque @ 4000 rpm — more standard horsepower than the 1996 Ford Windstar or Chrysler minivans offer.
- Extended maintenance schedules — as many as 100,000 miles before the first scheduled tune-up*
- And much, much more! (See Engines section for more details).

**Maintenance needs may vary with different uses and driving conditions.*

CHEVROLET MEDIA ONLINE

([HTTP://MEDIA.GM.COM/CHEVY](http://media.gm.com/chevy))

Chevrolet Media Online is an exclusive Web site for journalists to learn about Chevrolet/Geo. It contains everything included in the 1997 Product Information Guide, plus a wide range of other useful information, such as the latest press releases, photography, line art, motorsports activities, detailed Chevrolet history, and bios of the Chevrolet Communications staff. The major advantage of Chevrolet Media Online is that updates occur whenever new material from Chevrolet Communications is issued.

Chevrolet Media Online was designed to offer quick access to exclusive information about Chevrolet and its products. To ensure that only authorized journalists have access to Chevrolet Media Online, a user I.D. and password are required to enter. To apply for a password, please call the General Motors Media Online offices at 1-800-875-7562.

1997 VENTURE MINIVAN

SAFETY



"A very stiff and stable structure permits very accurate steering to promote crash avoidance."

Fred Schaafsma, Vehicle Line Executive (VLE)

SAFETY

General Motors has a long history of leadership in automotive safety research, development and testing. While the federal government specifies a variety of safety tests for vehicles, GM goes beyond those guidelines to help further ensure high levels of vehicle safety for GM owners. GM works hard to help keep your family safe by performing more tests, with an entire family of many different sized test dummies, than are required to comply with government regulations. GM is the research and engineering leader in developing technology that helps Chevrolet owners avoid collisions and helps protect them in the event a crash occurs.

CRASH AVOIDANCE FEATURES

- Improved standard 4-wheel anti-lock brake system with GM's award-winning ABS VI (which isolates pedal pulsation in ABS events). ABS helps maintain steering control and minimizes wheel lockup on most slippery surfaces.
- ABS can adjust brake pressure by pumping the brakes several times per second, a rate even the most skilled drivers cannot attain.

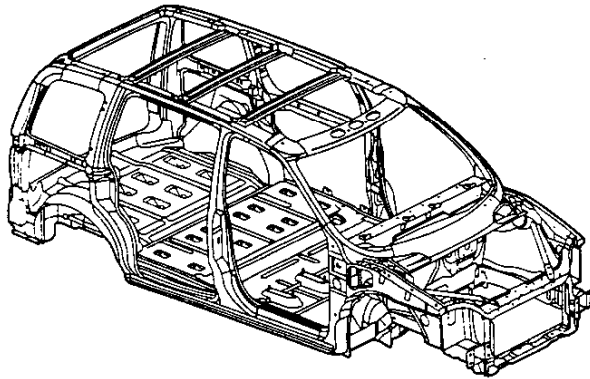
- The system modulates the brake-line pressure at the wheels. Drivers should not "pump the brakes" in emergency braking situations. Rather, they should maintain constant pressure on the brake pedal, allowing the system to work effectively.
- Standard front disc brakes and rear drum brakes are designed for rated trailer towing and frequent full GVWR operation.
- Predictable, responsive handling is enhanced by a rigid body structure.
- Brake/transmission shift interlock prevents vehicle from being shifted out of Park without first depressing the brake pedal.
- A sloping hood design plus generous glass area, thin pillar design and low window lines provide great forward visibility.
- Large headlamp system that provides impressive lighting (coverage and penetration).
- Standard rear wiper/washer with 180-degree wipe enhances visibility in inclement weather.
- Windshield pillar and moldings are designed to channel water away from side glass, helping to keep side windows clear.
- Available traction control, which makes the best of available traction on slippery surfaces.
- Standard Automatic Daytime Running Lamps (DRL) with automatic exterior lamp control help make Venture more visible to other drivers.



1997 VENTURE MINIVAN SAFETY (CONTINUED)

OCCUPANT PROTECTION FEATURES

Venture design engineers made sure they gave the all-new minivan a driving environment with good, all-around visibility and minimized fatiguing influences. The driver seat, pedal mountings and steering wheel position are in proper relationship to the controls and offer good visibility for most drivers.



Venture meets or exceeds all applicable 1997 federal and Canadian safety performance requirements. Specific safety features include:

- Standard driver and front-passenger air bags, designed for use with safety belts, help to restrain front-seat occupants in the event of a moderate to severe frontal impact
- Secondary latch on the rear liftgate is designed to help prevent it from opening in the event of a collision
- New integrated body structure that helps protect the passenger compartment with strong structural components
- Crumple zone in front structure that's designed to help absorb energy in a crash by deforming in a controlled manner

"Venture provides occupants with greater attention to interior storage and convenience features — at all seating positions."

Fred Schaafsma, Vehicle Line Executive (VLE)

- Steel beams in all side doors that meet 1998 Motor Vehicle Safety dynamic side-impact standards
- Larger outside rearview mirror than Chrysler minivans or Ford Windstar for impressive visibility
- Laminated windshield safety glass and urethane-bonded tempered side and rear safety glass to help reduce occupant injuries
- Child safety locks on sliding side doors.

1997 VENTURE MINIVAN

FEATURE AVAILABILITY



	3-Door Regular	3-Door Extended	4-Door LS Extended
INTERIOR			
Air Bag - Driver and Passenger	S	S	S
Air Conditioning - Front	S	S	S
Antenna - Windshield Integrated	S	S	S
Console - Center, Non-Locking	S	S	S
Console - Overhead	S	S	S
Convenience Net - Cargo	O ³	O ³	S
Cruise Control - Electronic with Resume Speed	O ¹	O ¹	S
Cup Holders - 1st, 2nd, 3rd Row	S	S	S
Defogger - Rear Window	O	O	O
- Side Window	S	S	S
Filter - Integrated Pollen	S	S	S
Lighting - Interior Roof Rail	O ³	O ³	S
LS Trim Package (includes Custom Cloth interior trim)	O	O	S
Locks - Child Safety Sliding Door	S	S	S
- Power Door/Liftgate	S	S	O
Map Pockets - Front Bucket Seatbacks and Front Doors	S	S	S
Safety And Security System Package ²	O ¹	O ¹	O
Scotchgard™ Protector	S	S	S
Seating - 7-Passenger	S	S	S
Seats - 2 Front Buckets, 2-Passenger Solid Bench and 3-Passenger Solid Bench	S	-	-
Seats - 2 Front Buckets, 2-Passenger 40/60 Split Bench and 3-Passenger 50/50 Split Bench	-	S	S
Seats - 2 Front Buckets, 5 rear modular buckets	O ³	O ³	O
- Six-Way Power Driver	O ³	O ³	O
Steering Column - Tilt-Wheel™ Adjustable	S	S	S
Stereo - AM/FM w/Digital Clock	S	S	NA
- AM/FM w/Cassette Player	O	O	NA
- AM/FM w/ATC and Cassette Player	O ¹	O ¹	S
- AM/FM w/ATC, Cassette Player and Remote CD Player	O ³	O ³	O
Rear-Seat Audio Controls w/Earphone Jack	O ³	O ³	O
Windows - Power with Driver's Express-Down Feature	O ¹	O ¹	S
Wipers - Intermittent Variable	S	S	S
EXTERIOR			
Daytime Running Lamps - Automatic	S	S	S
Door(s) - Sliding Right Side	S	S	NA
- Dual Sliding Side	NA	NA	S
- Power Passenger Sliding Side	O	O	O
Luggage Rack	O	O	O
Mirrors - Outside Dual Power Remote, Black	S	S	S
Tires - P205/70R-15 Blackwall All-season	S	NA	NA
- P215/70R-15 Blackwall All-season	NA	S	S
- P215/70R-15 Blackwall Touring	O	O	O
Wheels - 15" Steel	S	S	S
- 15" Cast-Aluminum	O	O	O
FUNCTIONAL			
Brakes - 4-Wheel Anti-Lock Power Front Disc Rear Drum	S	S	S
Engine - 3400 V6 SFI	S	S	S
Cargo Capacity	126.6 cu. ft.	148.3 cu. ft.	155.9 cu. ft.
Fuel Capacity	20 Gal.	25 Gal.	25 Gal.
Remote Keyless Entry System	O ¹	O ¹	O
Suspension - Soft Ride	S	S	S
Suspension - Touring with Load Leveling	O ³	O ³	O
Traction Control	O ³	O ³	O
Trailer Capacity - 3500 lbs. ⁴	O ³	O ³	O
Transmission - 4-Speed Electronically Controlled Automatic	S	S	S

S—Standard. O—Optional (some options may be available only as part of a Preferred Equipment Group. See your Order Guide for feature availability). NA—Not available. 1 Included with available LS Trim Package. 2 Includes Self-Sealing Tires. Remote Keyless Entry and Theft-Deterrent System. 3 Requires LS trim package. 4 Requires Trailering Package which includes Heavy-Duty Cooling with Engine Oil and Transmission Oil Coolers.



1997 VENTURE MINIVAN INTERIOR FEATURES

INTERIOR FEATURES

The Venture Minivan utilizes an efficient approach to interior design and delivers a surprisingly spacious interior for a vehicle that will fit into nearly any garage. It has seating for as many as seven passengers, room for as much as 155.9 cu. ft. of cargo (in the Extended 4-Door model) and is one minivan that can accommodate 4' x 8' sheets of plywood with rear seating folded flat or in between the wheelhousings with the tailgate closed (Extended models).

Careful attention to interior detail is everywhere you look:

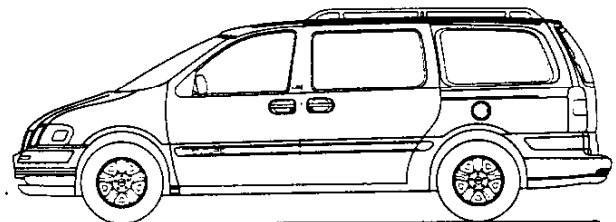
- All instrument panel controls are positioned to be within easy reach for both driver and front-seat passenger
- Controls are designed to be easily understood in both daytime and nighttime driving conditions
- An integral, replaceable pollen filter in Venture can mean a better environment for hay fever sufferers
- All controls have been designed to provide correct operating efforts and a pleasing feel
- Color, grain, gloss and parting lines of interior parts provide a smooth, harmonious look.

Heating, ventilation and air conditioning systems also received special attention. A new set of controls provides greater flexibility by offering more fan speeds and ability to alternate between recirculated air and outside air with a separate recirculation switch in all but the defrost mode.

Airflow has been increased by 15 percent over prior designs.

The optional rear air conditioning (Extended models) features fan and temperature controls. And a GM-patented duct system was used in the rear area to allow control between the floor and upper air outlets.

With its up to 155.9 cu. ft. of cargo room in the Extended 4-Door, Venture compares favorably to Windstar's 144 cu. ft. What's more, comparisons of cargo volume behind the rear seats reveal Venture Extended-Wheelbase model the winner in this important area, with 24.2 cu. ft. versus 23.7 cu. ft. for Chrysler Plymouth Grand Voyager models and 23.8 cu. ft. for Ford Windstar.



The Venture Extended-Wheelbase standard passenger-side sliding door opening width is larger than the competition as well, measuring a big 32.0" wide compared to Chrysler's 30.5" and Windstar's 31.0".

A power passenger-side sliding door is available on Venture (Extended-Wheelbase model only) — a feature no other minivan offers.* Three control switches operate the sliding door. One is located on the front overhead console; another is located on the B-pillar, behind the front-passenger seat. A third activation

*Excludes other GM vehicles.

1997 VENTURE MINIVAN

INTERIOR FEATURES (CONTINUED)



button is on the key fob with the Remote Keyless Entry system.

Storage options and seat flexibility features abound, with as many as 17 cup holders and 26 separate storage areas for small items such as small packages and purses.

Front-Row Family Space Amenities:

- Cup holders on front door trim and fold-down cup holder attached to front passenger seat
- Retractable convenience net which stretches between the front seats to hold purses, etc.
- Center console with removable CD/cassette holder and coin holder and open bin (above console)
- Large, lockable glove box with compartment for owner's manual. Can also stow the CD/cassette holder to secure items
- Underseat drawer on passenger seat
- Front driver's seat folds forward for easy access to rear for coat hooks or to stow briefcases
- Overhead console with open storage

"All seating positions offer impressive comfort, with cup holders and storage near at hand."

Fred Schaafsma, Vehicle Line Executive (VLE)

Second-Row Family Space Amenities:

- Deep storage pockets on front seatbacks
- Open storage at base of fixed LH side panel and base of sliding door
- Covered storage bin in armrest of fixed LH side panel (3-Door model)
- Cup holders molded into seatbacks (for use when seats are folded to serve as tables)
- Cup holders molded into fixed LH side panel (3-Door)
- Large hanger loop on the three-door version — holds 7 plastic hangers.

Third-Row Family Space Amenities:

- Easy access to third row from either side door
- Covered storage bin in armrest of side trim (most versions)
- Cup holders molded in side trim and seatback
- "Mini-net" storage on side panels
- Full convenience net across rear cargo area (LS trim package)
- Two large hanger loops on headliner.

Finally, the Venture interior offers 8.3" walk-through space between the front seats, an area wider than in Ford Windstar or Chrysler minivans.



1997 VENTURE MINIVAN INTERIOR FEATURES (CONTINUED)

"An industry-exclusive power-operated right-side sliding door can be opened from the driver's seating position."

Fred Schaafsma, Vehicle Line Executive (VLE)

SEATS

The following seating arrangements are available:

- Front Row – 2 reclining buckets
- Second Row – 2-passenger bench (40/60 split or solid) or three modular buckets
- Third Row – 3-passenger bench (50/50 split or solid) or two modular buckets.

Split-bench seating provides additional space and easy removability — proof positive that Chevy Venture offers more value in its design than the competition. Available rear modular bucket seats use magnesium frames to help contribute to light-weight portability. "Pressure mapping" — a method of measuring the relative pressures exerted on seating surfaces by specific torso contact areas — was used to maximize seat comfort. "Theatre seating," a gradual rise in the floor from the front to the rear of the vehicle, enhances visibility for second- and third-row passengers. Comparing this "theatre seating" to competitive vehicles reveals Chrysler has a lower rise, and Ford Windstar offers no rise in the third-seat area at all.

And talk about seating flexibility and space on demand ... Venture, when equipped with rear modular bucket seats, offers as

many as 33 different patterns of seats versus floor area. These patterns are achieved simply by rearranging or removing the light, easy-to-handle, 38-lb. rear modular bucket seat units. This flexible arrangement allows owners to accommodate virtually any pattern of cargo and passengers by following simple instructions listed on the label of each seat.

Single or dual integral child safety seats are available for the second row seating position, depending on the seating configuration chosen. The front driver's seat folds forward and both front seats have adjustable lumbar support. A 4-way manual driver seat adjuster is standard, and is coupled with another exclusive Venture comfort and convenience feature — vertical height adjustment.

Let's look at each seating row more closely:

Front-Seat Features:

- Positioned so instrument panel controls are easy to reach and operate by both driver and passenger
- Cup holders on front-door trim panel and attached to front-passenger seat
- Convenience net for small items
- Overhead console
- Optional 6-way power driver seat (LS trim)
- Underseat drawer
- Adjustable safety belt guide loops allow driver and front-passenger to tailor safety belt comfort to shoulder size
- Cup holders in large driver-door pocket.

1997 VENTURE MINIVAN

INTERIOR FEATURES (CONTINUED)



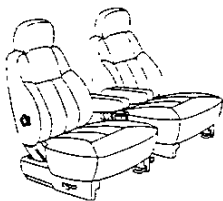
Second-Row Seat Features:

- Deep storage pockets on front seatbacks
- Coat hangers that accommodate up to seven large hangers (3-Door models)
- Split bench or modular bucket seats flip and fold forward for third-row seat access as well as recline
- Optional integral child safety seat with split or modular seat options
- Safety belt rerouters for added comfort
- Rear-seat audio controls (optional with LS trim).

Rear-Seat Features:

- Easily removable, made of lightweight construction
- Highly flexible — split bench and modular bucket seats can recline, fold flat or fold/slide forward and rearward
- Head restraints in outboard positions extend up to eight inches to accommodate taller passengers
- Safety belt adjustment comfort clips allow passengers to adjust belt to their height.

Venture Minivan Front Seat Styles



- Standard cloth* high-back reclining bucket seats with adjustable head restraints and driver 4-way manual seat adjuster.

"The compact structure makes Venture easier to park"

Fred Schaafsma, Vehicle Line Executive (VLE)



- Optional Custom Cloth[†] high-back reclining bucket seats with adjustable head restraints. Available with a driver 6-way power seat adjuster.

*Standard cloth with 25 mm steel. †Features 25 mm steel.

INTERIOR COLORS

- Medium Gray*
- Dark Teal
- Neutral.

*Venture Cargo Minivan interior available in Medium Gray only.

COMFORT AND CONVENIENCE FEATURES

The Venture design goal was to be the most versatile and comfortable minivan in the world. During 42 intensive customer clinic research studies, prospects helped Venture engineers refine a host of critical customer requirements — everything from eyeline height and driver seat adjustability to seating arrangements and walk-through convenience. Venture delivers on what these clinic studies requested, with features to spare.



1997 VENTURE MINIVAN

INTERIOR FEATURES (CONTINUED)

Here are some of the comfort and convenience highlights of Venture Minivan:



Standard, replaceable, pollen filter. Functions to remove particles from both the outside and recirculated air. Located behind the glove compartment, the filter is easy to replace and is readily available at Chevy dealers.



Standard Sungate solar-coated windshield helps keep interior cool and comfortable. It also helps prevent UV rays from fading interior fabrics.



As many as 17 cup holders and 26 storage areas for small items for maximum passenger convenience — a “first” for Standard level minivans.

- Available power sliding passenger-side door (Extended-Wheelbase models only). Provides remote control of sliding side door, with numerous built-in safety features. The opening is 32.0" — wider than '96 Ford Windstar or Chrysler minivans.



New rear-area cargo tie-downs keep cargo from shifting. And there's as much as 155.9 cu. ft. of cargo area in the 4-Door Extended-Wheelbase model, with the rear seats removed.

- Standard front air conditioning features five blower speeds and helps keep the interior cool by offering a 15 percent increase in airflow, compared to the system used in prior GM minivans. Optional rear air conditioning (Extended models)

includes both temperature and blower controls for rear-seat passengers.

- All interior seat fabrics, floor carpeting and carpeted floor-mats are treated with Scotchgard™ Protector, to resist stains and make cleanups quick and easy.



New interior roof rail lighting provides illumination for passenger entry/exit and reading on LS models.



New swing-out rear-quarter windows mean added comfort for rear-seat passengers.

- Standard front and rear auxiliary power outlets can be used to power electrical accessories.
- Optional Solar-Ray deep-tinted glass improves interior comfort and enhances protection against ultraviolet and infrared rays (requires rear-window defogger).

AUDIO SYSTEMS

Standard on Venture Passenger Minivans with Standard trim Passenger and Venture Cargo Minivan:

- Electronically tuned AM/FM stereo with seek, digital clock, and extended-range front and rear speakers.

Optional on non-LS trim models:

- Electronically tuned AM/FM stereo with seek, digital clock, cassette and extended-range front and rear speakers.

1997 VENTURE MINIVAN

INTERIOR FEATURES (CONTINUED)

EXTERIOR FEATURES



Standard with LS trim:

- Electronically tuned AM/FM stereo with seek-scan, digital clock, Delco-Loc II, automatic tone control, speed-compensated volume, cassette player and coaxial front and rear speakers

Optional with LS trim:

- Electronically tuned AM/FM stereo with seek-scan, digital clock, Delco-Loc II, automatic tone control, speed-compensated volume, compact disc player and coaxial front and rear speakers
- Electronically tuned AM/FM stereo with seek-scan, digital clock, Delco-Loc II, automatic tone control, speed-compensated volume, cassette player, remote compact disc player and coaxial front and rear speakers
- Available rear-seat audio controls with headphone jacks.

EXTERIOR FEATURES

Venture has a contemporary design that fits easily into almost any garage. The Venture exterior is highlighted by a distinctive bright egg crate grille, long a distinguishing brand character feature of Chevrolet. It also offers a great view through the windshield. Additional exterior features include:

- Much larger headlamps than Chrysler minivans, for impressive illumination and penetration.
- Large door handles for easy entry
- Larger outside rearview mirrors than either Ford Windstar or Chrysler minivans
- Large side-door openings for easy loading, unloading
- Large, one-piece rear liftgate for easy opening and closing.

The size of Venture offers the best of both worlds for its owner: more compact outside than Ford or Chrysler models, yet it has wider sliding door openings, almost twice Chrysler's volume in its interior storage compartments, including a glovebox that is more than three times as large as Chrysler. Thanks to efficient packaging, Venture is both compact and large at the same time.

PAINT

Standard basecoat/clearcoat paint resists fading and provides a high-gloss shine for long-lasting exterior beauty. The clearcoat system is formulated to minimize the effects of acid rain and other environmental damage. Clearcoat finish is used with all colors — solids and metallics. Fascias have molded-in body color and lower body panels have an anti-chip coating for durability.



1997 VENTURE MINIVAN

EXTERIOR FEATURES (CONTINUED)

DESIGN AND MANUFACTURING

BODY STRUCTURE

"Road tests varied from Yellowstone National Park during a winter period with 55" of snow-fall to full "V" speeds on Germany's legendary Nurburgring 13.1-mile race course."

Fred Schaafsma, Vehicle Line Executive (VLE)

PAINT COLORS

- Dark Teal Metallic
- Medium Bright Blue Metallic
- Medium Lichen Green Metallic
- Carmine Red Metallic
- Medium Malachite Metallic
- Bright White
- Silver Metallic
- Sandrift Metallic
- Dark Sapphire Metallic
- Dark Granite Metallic

DESIGN AND MANUFACTURING

Venture is built at the GM assembly plant in Doraville, Georgia. Work teams from four continents merged their energy, ideas, talents and planning to create the first truly global minivan, with customers in North America, Europe and Asia. As a result of this global input, Venture has become a coalition of customer-pleasing features. Its design represents a powerful linkage of technology and "more-than-expected" features.

BODY STRUCTURE

Fatigue and motion sickness were two key complaints voiced by minivan customers during early product clinics. A significant design goal was to identify and eliminate vibration frequencies that can contribute to that tired or nauseous feeling. The Venture body structure was then constructed to isolate and absorb these disturbances.

Venture has what engineers call an "integrated, continuous body structure." This means the vehicle structure is integrated with all other vehicle sub-systems. The benefit? The structure works in harmony with the other vehicle sub-systems rather than simply being designed to be the stiffest or strongest. Thus, the body structure does not vibrate or resonate sympathetically with other vehicle sub-systems to cause undue noise, vibration or discomfort.

The result is a more car-like ride. In fact, designers benchmarked luxury sedans as the Venture ride quality target. Important steps were also taken early in the design process to minimize squeaks, rattles and wind noise. Special attention was given to the instrument panel, doors, powertrain, chassis and seats. Hidden wipers, the exterior rearview mirror shape and windshield moldings also received special attention. The largest factor affecting wind noise in the rear-seat area, the rear-window seals, was also addressed. The result: the development of the pop-out window secondary seals that contribute to noise reduction.

1997 VENTURE MINIVAN BODY STRUCTURE (CONTINUED)



*"Venture offers ride comfort dynamics found in
GM's next generation of luxury cars"*

Fred Schaafsma, Vehicle Line Executive (VLE)

The underbody "platform" is the basis for the body structure. It utilizes a ladder-type underbody, with full-length, longitudinal rails and supporting crossmembers fully integrated with the body. Doors close quietly, thanks to three damping pads in each door.

The quality of Venture doors is a story in itself:

- Inside and outside door handles are large and easy to grip
- Handle action and location provides "natural" motion
- The liftgate is "easy-squeeze" operated — a simple squeeze of the handle opens the door
- Sliding door and liftgate are designed for smooth, low-effort operation
- All door and liftgate latches feature primary and secondary latching for safety
- Temperature-compensated, gas-assisted liftgate struts promote ease of operation under all weather conditions
- Noise-damping patches are used on all doors to help reduce unwanted sound.

The bottom line is that Venture doors and the liftgate open and close with impressive ease.

Squeaks and rattles have been minimized. The B-, C- and D-pillar sections, along with the matching roof bows and header sections, form continuous structural hoops around the passenger

cabin. This continuous structural "flow" causes the body structure to vibrate in a "smooth and continuous" fashion. Localized and disconnected vibration is greatly reduced. Annoying vibrations that cause gas pedal and trim buzz, shaking seats and instrument panel vibration are notably absent.

The doors, hood and liftgate all feature double-panel construction. The use of two-side-galvanized steel on all major exterior body panels (except roof) and a stainless-steel exhaust system also provide protection against corrosion.

The manufacturing process also contributes to an integrated structure. Weld quality is ensured through the almost exclusive use of robotic spot-welding. New weld techniques are used for more consistent welds. Three-dimensional "optical sensors" measure key points for accuracy of assembly, helping to ensure precise door and window openings. New Bonderite[®] and ELPO system undercoating help guard against corrosion. High-pressure water cannons are used to clean the body shell prior to the ELPO application. Paint application is fully robotic, topped off with the latest basecoat/clearcoat paint technology for a long-lasting finish.

During development, real-world conditions were imposed on Venture to help ensure the integrated structure would perform well in all sorts of driving situations. A test track at the plant with five sections of road surface was used to simulate all possible road inputs. A squeak and rattle "shaker" machine searched for the detailed cause of any problems. The result was an impressive integration of body structure and suspension design.



1997 VENTURE MINIVAN

ENGINES TRANSMISSIONS

ENGINES



3400 V6 SFI ENGINE (LA1)

Standard in Venture is the proven 3400 V6 SFI engine, a more powerful standard engine than 1996 Ford Windstar or Chrysler minivans offer. It produces an impressive 180 hp @ 5200 rpm and 205 lb.-ft. of torque @ 4000 rpm. Towing capacity is a hefty 3,500 lbs. (with the optional Towing Package and proper towing equipment).

The transverse-mounted 3400 V6 SFI features an even-firing 60-degree configuration. This overhead valve V6 is a larger displacement version of GM's successful 60-degree 3.1 Liter V6; the impressive power and torque is a result of large cylinder bores and a high compression ratio (9.5:1). Additional features of the 3400 V6 SFI include:

- Extended-life platinum-tip spark plugs that have a first scheduled replacement interval of 100,000 miles*
- Extended-life coolant that has a first scheduled replacement interval of 5 years or 100,000 miles, whichever comes first*
- Low coolant and low oil level indicators that inform the driver of when it is time to replenish these engine fluids
- OBD II (On-Board Diagnostics Second Generation) which provides an enhanced Powertrain Control Module (PCM) that monitors the emissions system and components to detect deterioration or malfunction
- Low friction roller rocker arms and roller lifters that

dramatically improve valvetrain efficiency and help provide impressive fuel economy

- 24X ignition which is designed to provide fast ignition and smooth idle. The system sends 24 crankshaft reference signals to the powertrain control module for each crankshaft revolution. This provides precise monitoring of crankshaft position and improved spark delivery, yielding enhanced driveability and exhaust control at low rpm.

*Maintenance needs may vary with different driving conditions.

TRANSMISSIONS



4T60-E 4-SPEED

ELECTRONICALLY CONTROLLED AUTOMATIC TRANSMISSION

GM's 4T60-E 4-speed electronically controlled automatic overdrive transmission is standard in Venture. The Hydra-matic 4T60-E's "intelligent" electronic controls allow the transmission to match the engine's performance. The 4T60-E transmission control system interacts with the engine controls through the PCM. The electronic controls modulate the torque converter clutch to produce a virtually imperceptible engagement. The 4T60-E also senses and adapts to changes in altitude, barometric pressure and engine load. Other advanced features include:

- A temperature sensor that allows the 4T60-E to compensate for severe operating conditions such as towing and steep grades

1997 VENTURE MINIVAN

TRANSMISSIONS (CONTINUED)

SUSPENSION



- A low-friction rocker link chain design which improves fuel economy, adds strength and enhances wear resistance
- A cast-aluminum side cover that increases structural rigidity, reduces noise and vibration, provides superior sealing and helps dissipate heat
- Dexron III automatic transmission fluid that never needs replacement under normal service.

SUSPENSION

Venture has undergone extensive developmental testing on the types of roads typically encountered in day-to-day driving. Such testing helps maximize driving pleasure and deliver more car-like ride and handling by concentrating on balanced body control and noise isolation. Ride comfort was enhanced at all seating locations by the reduction of irritating and fatiguing motions, vibrations, noise and steering column shake.

FRONT

Front suspension components are shared with the new Pontiac Grand Prix and future GM midsize and luxury car products to help ensure Venture customers literally ride in the lap of luxury. Here are major front suspension highlights:

- Fully independent MacPherson strut suspension with variable-rate coil springs, stamped lower control arms and nodular-iron steering knuckles for an impressive ride
- Struts and shock are tuned to provide a smooth, quiet ride

- A standard front stabilizer bar that helps reduce body roll during cornering maneuvers for a firm, balanced ride
- Maintenance-free ball joints which are lubricated for life.

REAR

Venture rear shock absorbers are mounted in a nearly horizontal position to provide more cargo/passenger space inside the vehicle. Additional rear suspension features include:

- An optional pneumatic load-leveling rear suspension (included with Trailering Package and Touring Suspension) that includes a 20-foot air hose to inflate everything from tires to beach balls
- Rear axle featuring flexible control arms with rubber-bushed mountings to isolate axle from frame and reduce road noise and vibration.

Two Suspension Systems are offered:

- FE1 Luxury Ride is the standard level for both Regular- and Extended-Wheelbase models.
- FE3 Touring is optional for both wheelbase models.

Both suspension systems have Delco gas-pressurized struts in front. The Luxury Ride suspension features 30mm Arvin gas-pressurized rear shocks, while the Touring system has 32mm rear shocks with load-leveling suspension.



1997 VENTURE MINIVAN

STEERING BRAKES

STEERING

Venture features a short turning radius — only 39.7 feet for the extended wheelbase — which is comparable to the newest generation Chrysler minivans and is 2 ft. shorter than the 1996 Ford Windstar. Power rack-and-pinion steering (17.5:1 ratio) is standard.

BRAKES

Venture brakes are designed to deliver precisely what customers asked for: great durability without annoying pulsation, even after Venture has accumulated considerable mileage. Consumers also asked for a brake system that would handle trailer towing and frequent high-load operation. Venture delivers with the following brake features:

- Power-assisted front disc/rear drum brakes. Front disc brakes feature large 10.9"-diameter ventilated front rotors that enhance brake cooling
- A 4-wheel anti-lock brake system (ABS) featuring GM's award-winning ABS VI. It minimizes feelings of pulsation transmitted to the driver's foot through the brake pedal when the brake is applied. ABS helps maintain steering control and minimizes wheel lockup on most slippery surfaces
- ABS can adjust brake pressure by pumping the brakes several times per second, a rate even the most skilled drivers cannot attain

- The system modulates the brake-line pressure at the wheels. Drivers should not "pump the brakes" in emergency braking situations. Rather, they should maintain constant pressure on the brake pedal, allowing the system to work effectively.

Engineers designed a new, strong and sure brake system for the Venture. The system incorporates many advancements:

- Brake pedal feel is enhanced by system tuning and high-friction linings*
- System response is faster, pulsation is minimized and fade performance is improved*
- Generation III calipers help prevent misalignment
- Trailer-capable brake components are standard
- Aluminum front steering knuckles help keep the tire in contact with the road for smooth braking
- With optional traction control, brakes are electronically controlled to selectively apply brakes and eliminate wheel spin.

The braking system, in combination with its accurate steering system, helps keep Venture responsive to steering actions during full ABS maneuvers. The system is carefully calibrated to yield good steering and emergency braking performance on all types of road surfaces and in all types of weather.

**Compared to predecessor minivan.*

1997 VENTURE MINIVAN

WHEELS AND TIRES

GENUINE CUSTOMER CARE



WHEELS AND TIRES

Venture is designed to roll with the best of them. Engineers worked hand-in-hand with tire companies to achieve excellent performance in all weather and ballast conditions. Test engineers went to extremes to maximize results:

- "Wet pad" facilities in Texas
- Snow testing in Yellowstone, Montana, Kinross, Scotland and the Keweenaw Peninsula in Michigan
- Dry traction and handling at Firestone and General Tire test tracks
- Testing at Firestone, in Texas and at the Nurburgring (13.1-mile) racetrack in the Eiffel mountains in Europe, helped engineers develop tires and suspension systems designed to deliver in a wide range of driving environments.

Venture Minivan



- Standard 15" x 6" steel wheels with standard bolt-on wheel covers.



- Optional 15" x 6" aluminum wheels (LS trim models only).

"New-generation all-season tires help enhance driving safety in all types of weather."

Fred Schaafsma, Vehicle Line Executive (VLE)

- All-season steel-belted radial blackwalls are standard — sizes are P205/70R-15 on Regular-Wheelbase model, P215/70R-15 on Extended-Wheelbase models.
- P215/70R-15 steel-belted radial blackwall Touring tires are optional for all models (included with available FE3 Touring suspension)*
- Self-sealing P215/70R-15 all-season steel-belted radial Touring tires are optional.*

Venture Cargo Minivan (interim availability)

- Standard 15" x 6" steel wheels with standard bolt-on wheel covers (photo not available at time of publication).
- Standard P215/70R-15 all-season steel-belted radial blackwalls.

*Availability depends on Preferred Equipment Group selected.

GENUINE CUSTOMER CARE

Chevrolet owners are covered by Genuine Customer Care, a comprehensive owner protection plan that includes the following:



The GM 3-year/36,000-mile (whichever comes first), no-deductible, limited warranty covers repairs for all Chevy trucks, including labor and parts, to correct any defects in material or



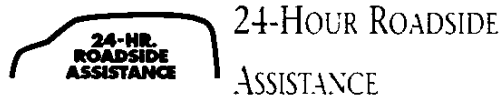
1997 VENTURE MINIVAN

GENUINE CUSTOMER CARE (CONTINUED)
GM MOBILITY PROGRAM

workmanship occurring during the warranty period. Warranty features include air conditioning repair, tires, towing, no-cost warranty transfer and 6-year/100,000-mile (whichever comes first) sheet-metal rust-through protection. There is also emissions control system coverage, which varies by geographic location. Items not covered by the warranty include normal maintenance.



Customers who purchase or lease a Chevy Venture will be able to take advantage of Courtesy Transportation at no additional charge when their vehicles are left at a participating dealership for repairs covered under the 3-year/36,000-mile New Vehicle Limited Warranty.



Lost? We'll help you find your way. Locked out? We'll get you back in your Venture. Out of gas? We'll get you gas. Roadside Assistance is provided via a toll-free number 24 hours a day, 365 days a year. Roadside Assistance is offered in two levels of service, Basic Care and Courtesy Care.

Roadside Basic Care provides:

- Free towing for warranty repairs (to closest dealer)
- Over-the-phone basic technical advice
- Available dealer services at reasonable costs (i.e., wrecker services, locksmith/key service, glass repair, etc.).

Roadside Basic Care covers you as long as you own your Venture.

Roadside Courtesy Care provides all of the features of Roadside Basic Care, plus:

- Free towing (to closest dealer)
- Free locksmith key service (when keys are lost on the road or locked inside)
- Free flat tire service and jump start
- Free fuel delivery on the road.

Roadside Courtesy Care is available for a period of three years or 36,000 miles (whichever comes first).

GM MOBILITY PROGRAM

Chevrolet/Geo recognizes the importance of mobility to everyone's life and, therefore, offers financial assistance to persons with disabilities through the General Motors Mobility Program. This program provides financial assistance — up to \$1,000 — toward the cost of any aftermarket adaptive equipment for drivers or passengers and/or vehicle "alerting devices" for deaf and hearing-impaired drivers. A special feature of the program is single-transaction GMAC financing for the vehicle and its adaptive aids. Further details are available by calling the GM Mobility Assistance Center at 1-800-323-9935.

Important: A word about this document: We have tried to make this document as comprehensive and factual as possible. We reserve the right, however, to make changes at any time, without notice, in colors, materials, equipment, specifications, models and availability. Some information may have been updated since the time of printing, June 1996.

A note about air bags: Always wear safety belts, even with air bags. General Motors, GM and GM Emblem, Geo, Venture, Chevrolet, the Chevrolet Emblem, Dextron, SuperStar and Stingray are registered trademarks and Chevy is a trademark of the General Motors Corporation. Delco-Lock is a registered trademark of the Delco Electronics Corp. Scotchgard is a trademark of the 3M Corp. © 1996 General Motors Corp. All rights reserved.

1997 VENTURE MINIVAN SPECIFICATIONS



MODEL AVAILABILITY

	Venture Minivan	Venture Cargo Van*
Passengers	7	2
Class	Minivan	Minivan
Assembly Plant	Doraville, Georgia	Doraville, Georgia
Primary Structure	Integrated Ladder/Frame	Integrated Ladder/Frame
Body Material	Two-Side-Galvanized (Except Roof)	Two-Side-Galvanized (Except Roof)

*Interim availability.

DIMENSIONS & CAPACITIES (inches, unless otherwise noted)

Exterior Dimensions	Venture (Regular Wheelbase)	Extended Venture	Venture Cargo Van*
Wheelbase	112	120	120
Overall Length	186.9	200.9	200.9
Overall Height	67.4	68.1	68.1
Maximum Width	72.0	72.0	72.0
Ground to Rear Load Floor	24.0	25.0	25.0
Ground Clearance (Front/Rear)	8.3/10.4	8.5/11.0	8.5/11.0
Est. Curb Weight (std.) (lbs.)	3671	3792	3366
Maximum GVWR (lbs.)	5357	5357	5357
Base Payload (Std.) (lbs.)	1422	1301	1257
Maximum Trailer Capacity (lbs.)	3500†	3500†	2000
Maximum Cargo Capacity (cu. ft.)	126.6	148.3**	NA
Interior Dimensions			
Headroom (Front/Mid./Rear)††	39.9/39.3/38.8	39.9/39.3/38.9	
Legroom (Front/Mid./Rear)††	39.9/36.9/34.0	39.9/39.0/36.7	
Shoulder Room (Front/Mid./Rear)††	59.8/61.9/60.1	59.8/61.9/59.6	
Hip Room (Front/Mid./Rear)††	55.5/60.4/48.3	55.5/60.4***/48.3	

*Interim availability. †When properly equipped with optional V92 Trailing Package. **Three-Door model; 155.9 cu. ft. on 4-Door model. ††Mid./Rear not available with Venture Cargo Van. ***64.3 on 4-Door Model.

STEERING

	Venture Minivan and Venture Cargo Van
Type	Power Rack-and-Pinion
Steering Ratio	17.5:1
Turning Diameter, Curb-to-Curb (ft.)	37.4 (39.7 for Extended-Wheelbase models)

BRAKES

	Venture Minivan and Venture Cargo Van
Type	Power-Assist, Vented Front Disc/Rear Drum w/Four-Wheel ABS
Front Disc Size	10.94 x 1.27
Rear Drum Size	8.86 x 1.77
Booster Diameter	9.45
Parking Brake	Cable-Activated Integral w/Rear Brakes
Total Swept Area (sq. in.)	336.8



1997 VENTURE MINIVAN

SPECIFICATIONS (CONTINUED)

ENGINE

	Venture Minivan and Venture Cargo Van
	LA1
Availability	Standard
Type	3400 OHV V6
Block Material	Cast Iron
Cylinder Head Material	Aluminum
Bore & Stroke (in.)	3.62 x 3.31 (mm) 92.0 x 84.0
Displacement (cu. in./cc)	207/3400
Compression Ratio	9.5:1
Induction System	SFI
Valves/Cylinder	2
Lifters	Hydraulic Roller
Cam Drive	Chain
Horsepower @ rpm (SAE net)	180 @ 5200
Torque @ rpm (SAE net)	205 @ 4000
Redline (rpm)	6000
Recommended Fuel (min.)	87 Octane
Fuel tank capacity (gallons)	20 (Regular Wheelbase)/25 (Extended Wheelbase)

TRANSMISSION

	Venture Minivan and Venture Cargo Van
Gear Ratios	Standard 4-Speed Electronically Controlled Automatic with Overdrive & Torque Converter
1st	2.92
2nd	1.57
3rd	1.00
4th	0.71
Reverse	2.39
Axle Ratio	3.29

CHASSIS

	Venture Minivan and Venture Cargo Van
Frame	Integrated Body w/Ladder-Type Underbody & Front-End Subframe
Front	Independent w/MacPherson Struts & Variable-Rate Coil Springs
Rear	Semi-Independent w/Coil Springs, Double-Acting Shocks

MILEAGE/PERFORMANCE

Engine Type	3400 V6 SFI
-------------	-------------

NOTE: EPA mileage figures and estimated cruising range not available at time of publication.

1997 VENTURE MINIVAN

SPECIFICATIONS (CONTINUED)



TRAILERING INFORMATION

	Venture Minivan	Venture Cargo Van
Trailer classification	Medium	Light
Gross trailer weight (lbs., Max.)	3500*	2000
Max tongue load (lbs., Max.)	350*	200

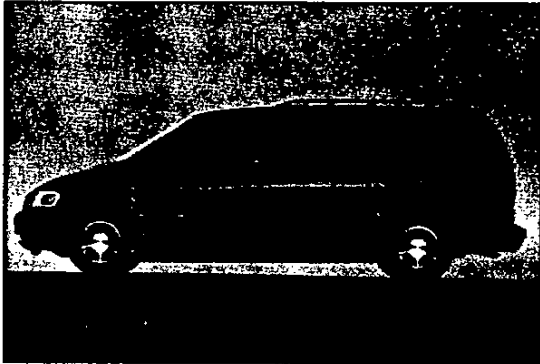
*Requires Trailering Package which includes Heavy-Duty Cooling with Engine Oil and Transmission Oil Coolers.

WHEELS & TIRES

	Venture Minivan	Venture Cargo Van
Standard Type	Steel*	Steel*
Size (in.)	15 x 6	15 x 6
Standard Type	All-Season Steel-Belted Radials	All-Season Steel-Belted Radials
Standard Size (Regular Wheelbase)	P205/70R-15	NA --
Standard Size (Extended Wheelbase)	P215/70R-15	P215/70R-15

NA — Not available. *Cast-aluminum wheels are optional on Venture Minivan, not available on Venture Cargo Van.

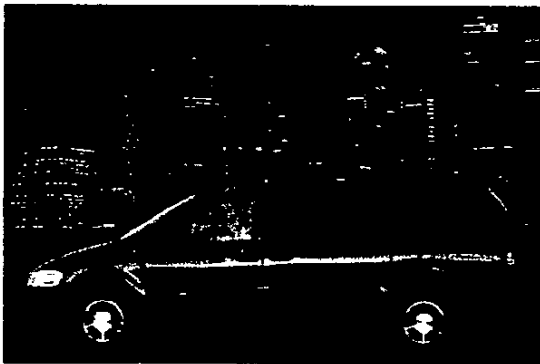
1997 VENTURE PHOTOGRAPHY ORDERING REFERENCE



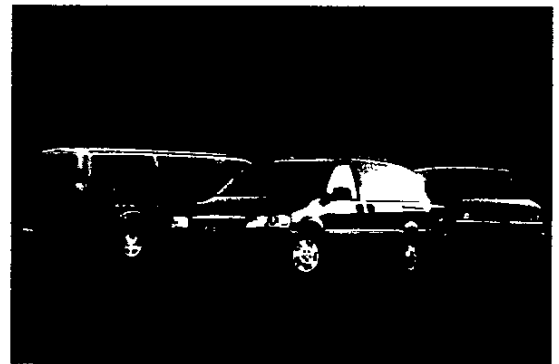
97-01VEN Venture LS Extended with dual sliding doors and optional cast-aluminum wheels



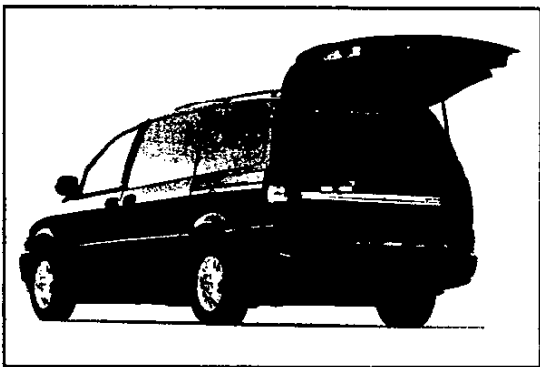
97-02VEN Venture LS Extended with dual sliding doors and optional cast-aluminum wheels



97-03VEN Venture LS Extended with dual sliding doors and optional cast-aluminum wheels



97-04VEN Venture LS, G1500 Chevy Express LS, Astro Van LT



97-05VEN Venture LS Extended with dual sliding doors



97-06VEN Venture LS Extended with dual sliding doors



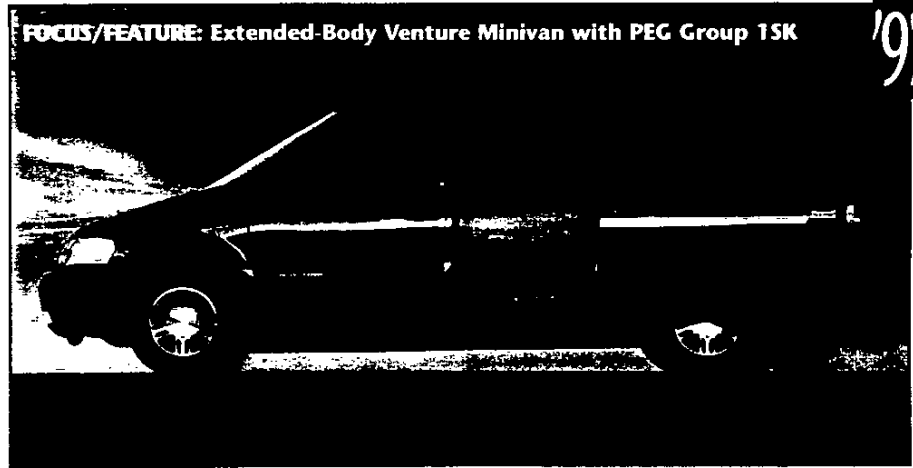


Venture Minivan

Dealer Order Guide inserts are your first look at Chevy Truck models for 1997. Overall improvements, changes and deletions are highlighted. Use these inserts to assist you in ordering your initial shipments. (NOTE: some information is preliminary and is subject to change.)

Positioning Statement

Designed to give you everything you want in a minivan.



FOCUS

The Focus vehicle is the model chosen for its sale-ability. It is equipped with the product features that customers want most. Generally, it is the "volume" vehicle that comprises the majority of the build. You'll want to be sure you have several of these models in stock. NOTE: model, PEG and optional equipment may vary in your locality.

FEATURE

The Feature vehicle is the "image" model Chevy Truck will profile most in its advertising. Generally, it does the best job of capturing attention and creating consumer awareness.

Extended-Body Venture Minivan with PEG Group 1SK

(image above)

The Feature/Focus vehicle for 1997 is the Extended-Body Venture Minivan with dual sliding side doors and Preferred Equipment Group 1SK. Its standard 7-passenger seating and high-value content offers wide appeal to today's minivan shopper.

Ordering Recommendations:

Recommended Venture Minivan's content is listed below to assist your dealership in ordering.

Venture Minivan with Preferred Equipment Group 1SK includes:

- Power Door Locks
- Electronic Speed Control with Resume Speed
- Power Windows with Driver's Express-Down
- 7-Passenger Split 60/40 Second Row, 50/50 Third Row Seating
- LS Trim Package
- Cargo Net
- AM/FM Stereo with Cassette Player and Automatic Tone Control

Recommended additional options:

- Luggage Rack
- Deep-Tinted Glass
- Rear-Window Defogger
- Rear-Seat Audio.

Trim Colors

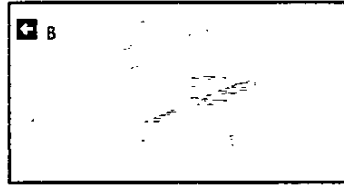
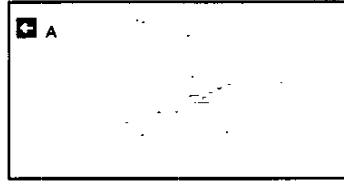


Base Trim available in Medium Gray, Neutral and Teal.



LS trim available in Medium Gray, Neutral and Teal.

Seat Styles

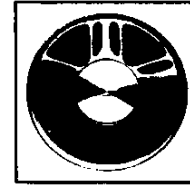


- A. High-back Base Trim reclining bucket seats — Base model.
- B. High-back LS Trim reclining bucket seats — Optional.

Wheels



Standard 15" bolt-on wheel covers.



(RPO PH3)
Optional 15" cast-aluminum wheels with lock.

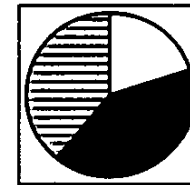
Venture Minivan

Most Popular Exterior Colors with Corresponding Interior Color Availability

INTERIOR MATERIAL COLORS

	Dark Teal	Medium Gray	Neutral
EXTERIOR COLORS			
Bright White	✓	✓	✓
Dark Teal Metallic	✓	✓	✓
Medium Malachite Metallic	✓	✓	✓
Dark Sapphire Metallic		✓	✓

Most Popular Exterior Colors by Percentage



Clockwise, left are the anticipated four most popular Venture Minivan colors for 1997, based on national sales volume. They are listed for reference only.

To identify the top-selling colors in your area, by model, use the Retail Sales Analysis (RSA).

Bright White	20%
Dark Teal Metallic	18%
Medium Malachite Metallic	12%
Dark Sapphire Metallic	11%
Other colors	39%



Venture Minivan

'97

P.D.S.E.I. helps explain 1997 models for this brand. Overall improvements, changes, and deletions are highlighted. Please review the supplied information, keeping in mind that this material is provided to you before production start-up — and may change.

P.D.S.E.I. (New-for-'97 features appear in color.)



PERFORMANCE

• **TRAVEL WITHOUT COOLANT MODE** — allows vehicle to continue for up to 50 miles if coolant is lost. • **AVAILABLE TRACTION CONTROL** — can help prevent loss of traction on slippery surfaces. • **TIGHT TURNING CIRCLE** — only 38.4 ft. for easy maneuvering in city traffic. • **BIG 3500-LB. TOWING CAPACITY** — with optional trailering package. • **3400 V6 WITH SEQUENTIAL FUEL INJECTION** — provides impressive power, quiet performance and smooth operation. Highest power rating of any standard minivan engine.



DURABILITY

• **FILLED-FOR-LIFE AUTOMATIC TRANSMISSION FLUID** — never needs changing.* • **100,000-MILE SPARK PLUGS** — for extended service intervals.* • **EXTENDED-LIFE COOLANT** — good for 5 years or 100,000 miles. • **NO NEED TO CHECK ENGINE TIMING** — ever. • **BUMPER TO BUMPER LIMITED WARRANTY** — protection for 3 years or 36,000 miles, with no deductible.

*Maintenance needs vary with different uses and driving conditions.



SAFETY

• **STANDARD DRIVER/FRONT-PASSENGER AIR BAGS** — help reduce the chance of injury in certain moderate to severe frontal collisions. Always wear safety belts, even with air bags. • **LARGE EXTERIOR MIRRORS** — expected benchmark for class. Mirrors fold away in both directions. • **AUTOMATIC DAYTIME RUNNING LAMPS** — make vehicle more visible during daylight hours. • **4-WHEEL ANTI-LOCK BRAKE SYSTEM (ABS)** — helps maintain steering control and minimizes wheel lockup on most slippery surfaces. • **BRAKE/TRANSMISSION SHIFT INTERLOCK** — prevents driver from shifting from Park unless the brake pedal is applied.



EXTERIOR

• **REGULAR AND EXTENDED-MODEL AVAILABILITY** — to meet the needs of more time-challenged, family-centered households. • **CONTEMPORARY "GLOBAL DESIGN"** — understated good looks with best-in-class view through windshield and larger side-door openings. • **DISTINCTIVE EGG CRATE GRILLE** — unique, impressive styling cue. • **AVAILABLE POWER PASSENGER-SIDE DOOR AND AVAILABLE DRIVER-SIDE SLIDING SIDE DOOR (EXTENDED-BODY ONLY)** — makes entry and exit easier. • **SUNGATE SOLAR-CONTROL WINDSHIELD WITH INTEGRAL ANTENNA** — helps protect interior fabrics from fading, helps keep interior cool and comfortable. • **SECOND-ROW WINDOWS THAT OPEN** — for increased passenger comfort.



INTERIOR

• **STANDARD 7-PASSENGER SEATING** — impressive comfort is achieved through "pressure mapping" technology. Features two front bucket seats with flip-forward driver seat and choice of second- and third-row solid or split bench or five light-weight modular seats that can be removed easily. • **THEATRE SEATING** — floor rises toward rear of vehicle for better forward view for center and rear-row passengers. • **MOST STORAGE IN ITS CLASS** — a total of 26 storage areas, complete with a maximum of 17 available cup holders (with bucket seats). • **MORE USEABLE CARGO SPACE** — 160 cu. ft. The only minivan that can accommodate 4' x 8' sheets of plywood with the tailgate closed. • **STANDARD POLLEN FILTER** — helps keep interior pollen-free.

Competitive Models

- Dodge Grand Caravan
- Plymouth Grand Voyager
- Ford Windstar
- Mercury Villager
- Nissan Quest
- Toyota Previa
- Mazda MPV
- Honda Odyssey.

Additional Information on Significant Features

- The proven 3400 V6 with Sequential Fuel Injection is specifically designed to meet the needs of minivan owners. It boasts the highest hp standard rating in its class — 185 @ 4800 rpm. Low maintenance and the ability to travel for almost 50 miles in case of coolant loss and impressive passing power are other benefits. Teamed with the proven 4-speed electronic automatic transmission with OD, this eager powerplant provides a high level of performance, combined with exceptional smoothness and fuel efficiency.
- Venture Minivan offers impressive occupant protection. It surrounds passengers with an integrated, continuous structural design and ladder-frame construction. Steel side-door beams provide added strength and security. Driver and front-passenger air bags are standard, as are the 4-wheel anti-lock brake system, Daytime Running Lights, all-weather tires, brake/transmission shift interlock and large exterior mirrors.
- Venture Minivan offers many major features not available on Ford Windstar and Dodge Grand Caravan, including:
 - Power Sliding Side Door (Extended-Body only)
 - Flip-and-Fold Available Split Bench or Modular Seats
 - Daytime Running Lamps
 - Second-Row Swing-Open Glass
 - 2"-Wider Sliding Door on RH
 - 4"-Wider Sliding Door on LH side than Chrysler (Extended-Body with optional rear LH sliding door)
 - Variable-Effort Power Steering
 - Front-Flip-Forward 4-Way Seats
 - Temperature Control for available Rear Heating, Ventilating and Air Conditioning
 - 26 convenient Storage Locations vs. 18 on Chrysler
 - 17 Cup Holders.

(continued)

Forecasted Percent of Mix

MODELS	
Regular-Body Venture Minivan	30%
Extended-Body Venture Minivan	70%
Total	100%
TRIM LEVELS	
Base	55%
LS ₁	45%
Total	100%
ENGINES	
3400 V6 SFI	100%
Total	100%
TRANSMISSIONS	
4-Speed Electronically Controlled Automatic with Overdrive	100%
Total	100%

- Venture Minivan offers a truly impressive, ergonomically correct interior. It's fully the most functional and flexible of any minivan, thanks to features like two levels of bench seats: full bench, split bench, modular seating and 160 cu. ft. of cargo area in the Extended-Body model. Further, it can accommodate 4' x 8' sheets of plywood with the rear gate closed. "Theatre" seating makes second-row viewing for passengers as good as competitors third row.

1997 NEW PRODUCT HIGHLIGHTS

VENTURE

THE VENTURE IS A COMPLETELY NEW VEHICLE

VENTURE

**VENTURE
STANDARD EQUIPMENT SUMMARY**

1UM06 1UM06 1UM16

STANDARD INTERIOR FEATURES

AIR BAGS:	DRIVER AND FRONT PASSENGER	S	S	S
AIR CONDITIONING:	FRONT	S	S	S
ANCHORS:	CARGO	S	S	S
ANTENNA:	WINDSHIELD INTEGRATED	S	S	S
ASHTRAY:	W/CIGAR LIGHTER	S	S	S
ASSIST GRIPS:	PILLAR MOUNTED	S	S	S
CONSOLETTA:	OVERHEAD	S	S	S
CUPHOLDERS:	1ST, 2ND, 3RD ROW	S	S	S
FILTER:	POLLEN	S	S	S
GLASS:	TINTED	S	S	S
GLOVE BOX:	LOCKING	S	S	S
KEY SYSTEM:	SINGLE	S	S	S
LIGHTING:	INTERIOR - GLOVE BOX, ASH TRAY CONSOLETTA, DOME, REAR CARGO AND UNDERHOOD	S	S	S
MIRROR:	INSIDE REARVIEW W/DAY/NIGHT FEATURE	S	S	S
MIRRORS:	OSRV LH/RH POWER REMOTE BLACK	S	S	S
POWER POINT:	FRONT AND REAR AUXILIARY	S	S	S
RADIO:	AM/FM STEREO RADIO W/DIGITAL CLOCK, AUTO TONE, SEEK-SCAN, CASSETTE AND FRONT AND REAR COAXIAL SPEAKERS	--	--	S
	AM/FM STEREO W/SEEK FEATURE AND DIGITAL CLOCK	S	S	--
REFLECTORS:	FRONT DOOR SAFETY	S	S	S
SENSORS:	LOW OIL, LOW COOLANT	S	S	S
STEERING:	POWER, REDUCED EFFORT	S	S	S
STEERING COLUMN:	TILT	S	S	S
STEERING WHEEL:	DELUXE	S	S	S
SUNVISOR:	RH/LH W/VANITY MIRROR AND MAP HOLDER	S	S	S
TURN SIGNAL:	WITH 'ON' REMINDER CHIME	S	S	S
WINDOWS:	MANUAL DRIVER/PASSENGER FRONT, MANUAL SWINGOUT REAR QUARTER	S	S	--
	POWER W/DRIVER EXPRESS DOWN, MANUAL SWINGOUT REAR QUARTER	--	--	S
WIPERS:	INTERMITTENT WINDSHIELD, REAR WINDOW W/FIXED/DELAY /WASHER	S	S	S

STANDARD EXTERIOR FEATURES

DOOR:	SLIDING, RIGHT SIDE	S	S	--
DOORS:	DUAL SLIDING SIDE	--	--	S
GAS CAP HOLDER:	FUEL FILLER DOOR	S	S	S
HEADLAMPS:	COMPOSIT HALOGEN	S	S	S
HORN:	DUAL	S	S	S
LIGHTS:	DAYTIME RUNNING	S	S	S
LOCK:	CHILD SAFETY SLIDING DOOR	S	S	S
LOCKS:	POWER W/SLIDING DOOR DELAY (W/PROG. ADL)	S	S	S
LOCKS:	REMOTE KEYLESS ENTRY	--	--	S
PAINT:	BASE COAT/CLEAR COAT	S	S	S
TAILGATE:	ONE-PIECE	S	S	S
WHEEL COVERS:	15" PLASTIC BOLT-ON	S	S	S
WHEELS:	15 X 6 STEEL	S	S	S

VENTURE STANDARD EQUIPMENT SUMMARY

STANDARD CHASSIS

		1UN06	1UM06	1UM16
AIR CLEANER:	DRY	S	S	S
BATTERY:	RUNDOWN PROTECTION	S	S	S
BRAKES:	4-WHEEL ANTI-LOCK POWER FRONT DISC/REAR DRUM	S	S	S
COOLANT:	EXTENDED LIFE	S	S	S
ENGINE:	3400 SFI V-6	S	S	S
EXHAUST:	STAINLESS STEEL	S	S	S
FLUID LEVELS:	LOSS OF COOLANT	S	S	S
FUEL CAPACITY:	20 GALLON	S	--	--
	25 GALLON	--	S	S
GENERATOR:	105 AMP	S	S	S
GVW:	5357 LB RATING	S	S	S
SHIFT INTERLOCK:	TRANSMISSION/BRAKE	S	S	S
SPARE:	COMPACT W/UNDERBODY CARRIER W/HOIST	S	S	S
SPARK PLUGS:	EXTENDED LIFE	S	S	S
SUSPENSION:	SMOOTH RIDE	S	S	S
TIRES:	P205/70R-15 ALS B/W	S	--	--
	P215/70R-15 ALS B/W	--	S	S
TRANSMISSION:	4-SPEED AUTOMATIC ELECTRONIC	S	S	S

INTERIOR TRIM

ACOUSTIC PACKAGE:	UPELVEL	--	--	S
ARMREST:	2ND AND 3RD ROW COVERED	S	S	S
CONSOLE:	CENTER, NON-LOCKING	S	S	S
CONVENIENCE NET:	LIFTGATE CARGO	--	--	S
	REAR SIDEWALL CARGO	S	S	S
FABRIC:	SCOTCHGARD PROTECTED	S	S	S
FLOOR MATS:	CARPETED FRONT AND REAR	S	S	S
LIGHTING:	INTERIOR ROOF RAIL	--	--	S
MAP POCKETS:	DRIVER/PASS FRONT DOOR, SEAT BACK	S	S	S
SEAT ADJUSTER:	DRIVER 4-WAY MANUAL - PASS 2-WAY MANUAL	S	S	S
SEAT CONFIGURATION:	(2) FRONT BUCKET	--	S	S
	(2) PASSENGER 40/60 BENCH 2ND ROW			
	(3) PASSENGER 50/50 BENCH 3RD ROW			
	(2) FRONT BUCKET	S	--	--
	(2) PASSENGER SOLID BENCH 2ND ROW			
	(3) PASSENGER SOLID BENCH 3RD ROW			
SEATING:	7 PASSENGER	S	S	S
SHOULDER BELTS:	ADJUSTABLE HEIGHT FRONT ROW	S	S	S
SPEED CONTROL:	ELECTRONIC	--	--	S
TRIM:	LS CUSTOM	--	--	S
TRAY:	SEAT BACK	S	S	S

EXTERIOR TRIM

BUMPERS/FASCIA:	FRONT AND REAR BODY COLOR	S	S	S
DOOR HANDLES:	BLACK	S	S	S
GRILLE:	CHROME	S	S	S
MOLDINGS:	BLACK, BODYSIDE	S	S	S
STEP PAD:	REAR FASCIA, BLACK	S	S	S

Model 1UN06 (Regular Wheelbase - 3-Door)

VENTURE

**MUST SPECIFY: ENGINE, TRANSMISSION, EMISSION
MUST ORDER PEG GROUP -- NO DELETIONS ALLOWED**

Base Preferred Equipment Group (Refer Standard Equipment Summary)	1SA	1SB	1SC	1SD
	x	x	x	x
Preferred Equipment Group 1				
Speed Control w/Resume Speed		x	x	x
Preferred Equipment Group 2				
Power Windows w/Driver Express Down			x	x
7 Passenger Split/Split Seating			x	x
Remote Keyless Entry			x	x
Preferred Equipment Group 3				
LS Trim Package (Incls Front Bucket seats w/Driver Side Adjustable Lumbar Support, Adjustable Head Rests, Custom Trim on Seats and Interior Trim Panels, Uplevel Accoustics and Rear Liftgate Cargo Net)				x
AM/FM Stereo w/Cassette w/ATC				x

ADDITIONAL OPTIONS

ACKNOWLEDGEMENTS:

- R8S Multiple Order Numbers
- R8T Preliminary Invoice
- VK3 **BRACKET:** License Plate, Front

DEFOGGER: (One of the Following Options Must be Specified)

- C49 Rear Window Electric
- R9W Rear Window not Desired

EMISSION: (Refer Emissions Requirements Tab Section)

- FE9 Federal Emission Requirement
- NG1 Massachusetts/NY Emission Requirement
- YF5 California Emission Requirement
- NB8 California Emission or NY/MA State Emission Override (Reqs FE9 Federal Emissions)
- NC7 Federal Emission Override (Reqs NG1/YF5 Emissions)

LA1 **ENGINE:** 3400 SFI V6 (Base)

AJ1 **GLASS:** Deep Tinted (Reqs C49 Defogger) (Incls B-Pillar Blackout Treatment) *1 0 2002 2003*

K05 **HEATER:** Engine Block

V54 **LUGGAGE CARRIER:** (N/A 1SA)

RADIO EQUIPMENT:

- UM6 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock and Cassette Tape (N/A 1SD)
- UNO Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock and Speed Compensated Volume (Reqs 1SD)
- UN7 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Dual Playback Remote Cassette, Theft Lock and Speed Compensated Volume

UK6 Rear Seat Audio Controls w/Earphone Jacks (Reqs 1SD)

R7D **SAFETY & SECURITY SYSTEM:** (Incls Theft Deterrent System) (Reqs 1SD)

SEATS:

- AG1 6-Way Power (Reqs 1SD)
- AR9 Cloth Bucket
- AR9 Custom Cloth Bucket

SEATING ARRANGEMENTS:

- ABA 7 Passenger Folding Split Back Rear Seating (N/A 1SA) (Incl w/1SC or 1SD)
- ABB 7 Passenger Rear Bucket Seats (Reqs 1SD)
- AN2 One Integral Child Seat (w/Folding Split Back Seating Reqs ABA Seating) (w/Bucket Seats Req ABB Seating)
- AN5 Dual Integral Child Seats (w/Folding Split Back Seating Reqs ABA Seating) (w/Bucket Seats Reqs ABB Seating)

FE3 **SUSPENSION:** Touring (Reqs 1SD) (Incls Load Leveling Susp & XPK Tires)

TIRES:

XPK P215/70R-15 Touring Radial (N/A 1SA)

NW9 **TRACTION CONTROL:** (Reqs 1SD)

V92 **TRAILERING PACKAGE:** (Reqs 1SD and FE3 Suspension) (Incls H.D.Cooling with Eng and Trans Oil Cooling)

MX0 **TRANSMISSION:** 4-Speed Automatic w/Overdrive

PH3 **WHEELS:** 15" Cast Aluminum (Reqs 1SD)

COLOR AND TRIM SELECTION

PLEASE NOTE: The Exterior Paint and Interior Trim Combinations Shown Below are the Only Combinations that are Available.

Interior Trim Color		Dk Teal	Med Gray	Neutral	
MODEL	SEAT TYPE	SEAT OPTION**			
1UN06	*Cloth Bucket	AR9	37B	14B	52B
	#Custom Cloth Bucket	.AR9	37C	14C	52C

**Seat Option AR9 Must Be Specified
 * N/A "LS" Trim Level
 # Reqs "LS" Trim Level and ABA/ABB Seating

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code	Dk Teal	Med Gray	Neutral
Blue, Med Bright (Met)	26U		x	
Granite, Dk (Met)	32U		x	x
Green, Med Lichen (Met)	47U		x	x
Malachite, Med (Met)	42U	x	x	x
Red, Carmine (Met)	09U		x	x
Sandrift (Met)	49U	x		x
Sapphire, Dk (Met)	28U		x	x
Silver (Met)	13U	x	x	
Teal, Dk (Met)	35U	x	x	x
White, Bright	16U	x	x	x

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO
LA1 MX0	3.29

Model 1UM06 (Extended Wheelbase - 3-Door)

**MUST SPECIFY: ENGINE, TRANSMISSION, EMISSION
MUST ORDER PEG GROUP -- NO DELETIONS ALLOWED**

	1SE	1SF	1SG	1SH	1SJ
Base Preferred Equipment Group (Refer Standard Equipment Summary)	x	x	x	x	x
Preferred Equipment Group 1 Speed Control w/Resume Speed		x	x	x	x
Preferred Equipment Group 2 Power Windows w/Driver's Express Down Remote Keyless Entry			x	x	x
Preferred Equipment Group 3 LS Trim Package (Incls Front Bucket Seats w/Driver Side Adjustable Lumbar Support, Adjustable Head Rests, Custom Trim on Seats and Interior Trim Panels, Uplevel Acoustics and Rear Liftgate Cargo Net) AM/FM Stereo w/Cassette w/ATC				x	x
Preferred Equipment Group 4 6 Way Power Driver Seat Luggage Carrier P215/70R-15 B/W Touring Tires Rear Window Defogger Deep Tinted Glass					x

ADDITIONAL OPTIONS

ACKNOWLEDGEMENTS:

- R8S Multiple Order Numbers
- R8T Preliminary Invoice
- C34 **AIR CONDITIONING:** Front and Rear (N/A 1SE) (Reqs AJ1 Glass & C49 Rear Defogger)
- VK3 **BRACKET:** License Plate, Front
- DEFOGGER: (One of the Following Options Must be Specified w/o Peg 1SJ)**
- C49 Rear Window Electric (Incl w/1SJ)
- R9W Rear Window not Desired (N/A 1SJ)
- E58 **DOOR:** Power Sliding (Right Side) (N/A 1SE or 1SF)
- EMISSIONS: (Refer Emissions Requirements Tab Section)**
- FE9 Federal Emission Requirement
- NG1 Massachusetts/NY Emission Requirement
- YF5 California Emission Requirement
- NB8 California Emission or NY/MA State Emission Override (Reqs FE9 Federal Emissions)
- NC7 Federal Emission Override (Reqs NG1/YF5 Emissions)
- LA1 **ENGINE:** 3400 SFI V6 (Base)
- AJ1 **GLASS:** Deep Tinted (Reqs C49 Defogger) (Incl w/1SJ) (Incls B-Pillar Blackout Treatment)
- K05 **HEATER:** Engine Block
- V54 **LUGGAGE CARRIER:** Roof (N/A 1SE) (Incl w/1SJ)
- RADIO EQUIPMENT:**
- UM6 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock and CassetteTape,
(N/A 1SH or 1SJ)
- UN0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control,
Compact Disc Player, Theft Lock and Speed Compensated Volume (N/A 1SE, 1SF or 1SG)
- UN7 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone
Control, Compact Disc Player, Dual Playback Remote Cassette, Theft Lock and Speed
Compensated Volume (N/A 1SE, 1SF or 1SG)
- UK6 Rear Seat Audio Controls w/Earphone Jacks (Reqs 1SH or 1SJ)

ADDITIONAL OPTIONS CONT'D

	R7D	SAFETY & SECURITY SYSTEM: (Incls P42 Tires and Theft Deterrent System) (Reqs 1SH or 1SJ)
		SEATS:
W.A.	AG1	6-Way Power (N/A 1SE, 1SF and 1SG) (Incl w/1SJ)
W.A.	AR9	Cloth Bucket
W.A.	AR9	Custom Cloth Bucket
		SEATING ARRANGEMENTS:
W.A.	ABB	7 Passenger Rear Bucket Seats (N/A 1SE, 1SF or 1SG)
W.A.	AN2	One Integral Child Seat (w/Rear Bucket Seats Reqs ABB Seating)
W.A.	AN5	Dual Integral Child Seats (w/Rear Bucket Seats Reqs ABB Seating)
	FE3	SUSPENSION: Touring (Reqs 1SH or 1SJ) (Incls Load Leveling Susp & XPU Tires)
		TIRES:
W.A.	XPU	P215/70R-15 Touring Radial (Incl w/1SJ) (N/A 1SE)
W.A.	P42	P215/70R-15 Self Sealing Touring (Reqs XPU Tires and 1SH or 1SJ)
	NW9	TRACTION CONTROL: (Reqs 1SH or 1SJ)
W.A.	V92	TRAILERING PACKAGE: (Reqs 1SH or 1SJ and FE3 Suspension) (Incls H.D. Cooling with Eng and Trans Oil Cooling)
N.C.	MX0	TRANSMISSION: 4-Speed Auto w/Overdrive
W.A.	PH3	WHEELS: 15" Cast Aluminum (Reqs 1SH or 1SJ)

COLOR AND TRIM SELECTION

PLEASE NOTE: The Exterior Paint and Interior Trim Combinations Shown Below are the Only Combinations that are Available.

Interior Trim Color		Dk Teal	Med Gray	Neutral	
MODEL	SEAT TYPE	SEAT OPTION**			
1UM06	*Cloth Bucket	AR9	37B	14B	52B
	#Custom Cloth Bucket	AR9	37C	14C	52C

** Seat Option AR9 Must Be Specified
 * N/A "LS" Trim Level
 # Reqs "LS" Trim Level

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code	Dk Teal	Med Gray	Neutral
Blue, Med Bright (Met)	26U		x	
Granite, Dk (Met)	32U		x	x
Green, Med Lichen (Met)	47U		x	x
Malachite, Med (Met)	42U	x	x	x
Red, Carmine (Met)	09U		x	x
Sandrift (Met)	49U	x		x
Sapphire, Dk (Met)	28U		x	x
Silver (Met)	13U	x	x	
Teal, Dk (Met)	35U	x	x	x
White, Bright	16U	x	x	x

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO
LA1 MX0	3.29

**Model 1UM16 (Extended Wheelbase - 4-Door)
(Dual Sliding Doors)**

**MUST SPECIFY: ENGINE, TRANSMISSION, EMISSION
MUST ORDER PEG GROUP -- NO DELETIONS ALLOWED**

(Refer Standard Equipment Summary)

	1SK	1SL	
Preferred Equipment Group 1			
LS Trim Package (Incls Front Bucket Seats w/Driver Side Adjustable Lumbar Support, Adjustable Head Rests, Custom Trim on Seats and Interior Trim Panels and Uplevel Acoustics Package)	x	x	<i>Bucket</i>
Preferred Equipment Group 2			
Deep Tinted Glass		x	
6 Way Power Driver Seat		x	
Luggage Carrier		x	
P215/70R 15 B/W Touring Tires		x	
Rear Window Defogger		x	

ADDITIONAL OPTIONS

ACKNOWLEDGEMENTS:

- R8S Multiple Order Numbers
- R8T Preliminary Invoice
- C34 **AIR CONDITIONING:** Front and Rear (Reqs AJ1 Glass & C49 Defogger)
- VK3 **BRACKET:** License Plate, Front
- DEFOGGER: (One of the Following Options Must be Specified w/1SK)**
- C49 Rear Window Electric (Incl w/1SL)
- R9W Rear Window not Desired (N/A 1SL)
- E58 **DOOR:** Power Sliding, Right Side
- EMISSIONS: (Refer Emissions Requirements Tab Section)**
- FE9 Federal Emission Requirement
- NG1 Massachusetts/NY Emission Requirement
- YF5 California Emission Requirement
- NB8 California Emission or NY/MA State Emission Override (Reqs FE9 Federal Emissions)
- NC7 Federal Emission Override (Reqs NG1/YF5 Emissions)
- LA1 **ENGINE:** 3400 SFI V6 (Base)
- AJ1 **GLASS:** Deep Tinted (Reqs C49 Defogger) (Incl w/1SL) (Incls B-Pillar Blackout Treatment)
- K05 **HEATER:** Engine Block
- V54 **LUGGAGE CARRIER:** Roof (Incl w/1SL)

RADIO EQUIPMENT:

- UN0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock and Speed Compensated Volume
- UN7 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Dual Playback Remote Cassette, Theft Lock and Speed Compensated Volume
- UK6 Rear Seat Audio Controls w/Earphone Jacks

R7D **SAFETY & SECURITY SYSTEM:** (Incls P42 Tires and Theft Deterrent System)

SEATS:

- AG1 6-Way Power (Incl w/1SL)
- AR9 Custom Cloth Bucket
- SEATING ARRANGEMENTS:**
- ABB 7 Passenger Rear Bucket Seats
- AN2 One Integral Child Seat (w/Rear Bucket Seats Reqs ABB Seating)
- AN5 Dual Integral Child Seats (w/Rear Bucket Seats Reqs ABB Seating)

FE3 **SUSPENSION:** Touring (Incls Load Leveling Suspension and XPU Touring Tires)

TIRES:

- XPU P215/70R-15 Touring Radial (Incl w/1SL)
- P42 P215/70R-15 Self-Sealing Touring (Reqs XPU Tires)

NW9 **TRACTION CONTROL**

V92 **TRAILERING PACKAGE:** (Reqs FE3 Suspension) (Incls H.D. Cooling with Eng and Transmission Oil Cooling)

MX0 **TRANSMISSION:** 4-Speed Automatic w/Overdrive

PH3 **WHEELS:** 15" Cast Aluminum

COLOR AND TRIM SELECTION

PLEASE NOTE: The Exterior Paint and Interior Trim Combinations Shown Below are the Only Combinations that are Available.

Interior Trim Color		Dk Teal	Med Gray	Neutral	
MODEL	SEAT TYPE	SEAT OPTION**			
1UM16	Custom Cloth Bucket	AR9	37C	14C	52C

**Seat Option AR9 Must Be Specified

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code	Dk Teal	Med Gray	Neutral
Blue, Med Bright (Met)	26U		x	
Granite, Dk (Met)	32U		x	x
Green, Med Lichen (Met)	47U		x	x
Malachite, Med (Met)	42U	x	x	x
Red, Carmine (Met)	09U		x	x
Sandrift (Met)	49U	x		x
Sapphire, Dk (Met)	28U		x	x
Silver (Met)	13U	x	x	
Teal, Dk (Met)	35U	x	x	x
White, Bright	16U	x	x	x

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO
LA1 MX0	3.29

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. CUSTOMARY)

1997

Manufacturer CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Vehicle Line VENTURE	
Mailing Address 30007 VAN DYKE WARREN, MI 48090-9065	Issued August, 1996	Revised

Direct questions concerning these specifications to the manufacturer listed above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This specification form was developed by the vehicle manufacturing companies under the auspices of the American Automobile Manufacturers Association.

The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.

AAMA

American Automobile Manufacturers Association

Blank Forms Provided by Technical Affairs Division

Specifications

METRIC

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NOTE:

1. This form uses both SI Metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	G.M., Midsize Car Division
Where built (country)	U.S.A.
Authorized U.S. sales marketing representative	Chevrolet Motor Division

Vehicle Models

Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front / Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
VENTURE					
MINIVAN, EXTENDED FWD Three Door		1UM06	7(2/2/3) STD		18/25
MINIVAN, EXTENDED FWD Four Door		1UM16	7(2/2/3) STD		18/25
MINIVAN, REGULAR FWD Three Door		1UN06	7(2/2/3) STD		18/25

* FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Power Teams

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77°F/25°C and 29.61 in. Hg/100 kPa atmospheric pressure.

		A	B	C	D	
E N G I N E	Engine Code	LA1				
	Displacement Liters (in ³)	3.4 (207)				
	Induction system (FI, Carb, etc.)	Sequential Fuel Injection				
	Compression ratio	9.5:1				
	SAE Net at RPM	Power kW (bhp)	134 (180) @ 5200			
		Torque N • m (lb. ft.)	205 @ 4000			
	Exhaust single, dual	Single				
T R A N S	Transmission/ Transaxle	M13 Auto Transaxle 4-Speed				
	Effective Final Drive / Axle Ratio (std. first)	3.29				

Series Availability		Power Teams (A - B - C - D)		
Model	Code	Standard	Optional	
VENTURE				
Minivan, Extended	1UM06	A		
Minivan, Extended	1UM16	A		
Minivan, Regular	1UN06	A		

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description 3.4 LITER V6 (207 CID)
 Engine Code SEQUENTIAL FUEL INJECTION RPO LA1

Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	60 deg. V, Front, Transverse, OHV, Front Wheel Drive	
Manufacturer	General Motors Powertrain Group	
No. of cylinders	Six	
Bore	92 mm	
Stroke	84 mm	
Bore Spacing (C / L to C / L)	111.76 mm	
Cylinder block material & mass kg. (lbs.) (machined)	Cast Iron, 52.1 (114.9)	
Cylinder block deck height	224 mm	
Cylinder block length	435.5 mm	
Deck clearance (minimum) (above or below block)	0	
Cylinder head material & mass kg. (lbs.)	Aluminum, 5.6 (12.3)	
Cylinder head volume cm ³ (inches ³)	28.2 (1.7)	
Cylinder liner material	Not Applicable	
Head gasket thickness (compressed)	1.55 mm	
Minimum combustion chamber total volume cm ³ (inches ³)		
Cyl. no. system (front to rear)*	L. Bank	2-4-6
	R. Bank	1-3-5
Firing order	1-2-3-4-5-6	
Intake manifold material & mass kg. (lbs.)**	Aluminum, 9.1 (20)	
Exhaust manifold material & mass kg. (lbs)**	Cast Iron, RT - 4.3 (9.5), LT - 2.3 (5.1)	
Knock sensor (number & location)	One, Left Side Center of Block	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) + 2	87	
Engine Mounts	Quantity	4(1 Engine, 1 Transmission, 2 torque struts)
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	1 Hydraulic, 1 Elastomeric, 2 Torque struts
	Added isolation (sub-frame, crossmember, etc.)	1 Isolated Engine Cradle
Total dressed engine mass (wt) dry***	188 kg with oil	

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum Alloy, .37 kg (.82lb)
--	--------------------------------

Engine - Camshaft

Location	Above Crankshaft at Center of "V"	
Material & mass kg (weight, lbs.)	Assembled Steel 2.3 (5)	
Drive type	Chain / belt	Chain
	Width / pitch	16.2 mm/9.53 mm

- * Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.
- ** Finished state.
- *** Dressed engine mass (weight) includes the following: All those items necessary to make the engine a complete ready-to-run unit.

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description	3.4 LITER V6 (207 CID)
Engine Code	SEQUENTIAL FUEL INJECTION RPO LA1

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	Standard	
Valves	Number intake / exhaust	Six/Six
	Head O.D. intake / exhaust	44.7 mm/36.2 mm

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged Steel; .59 (1.3)
Length (axes C/L to C/L)	144.8 mm

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Cast Iron, 17.2 (37.9)	
End thrust taken by bearing (no.)	Three	
Number & Length of main bearing journals	One - 29.5 mm, Two and Three - 24.0 mm, Four - 36.0 mm	
Seal (material, one, two piece design, etc.)	Front	
	Rear	

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	345-448 (50-65) @ 1200
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4.0)

Engine - Diesel Information

(NOT APPLICABLE)

Diesel engine manufacturer		
Glow plug, current drain at 0°F.		
Injector nozzle	Type	
	Opening pressure kPa (psi)	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Fuel injection pump drive (belt, chain, gear)		
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator, description (std., opt.)		
Turbo manufacturer		
Oil cooler-type (oil to engine coolant; oil to ambient air)		
Oil filter		

Engine - Intake System

(NOT APPLICABLE)

Turbo charger - manufacturer		
Super charger - manufacturer		
Intercooler		

* Finished State

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

3.4 LITER V6 (207 CID)
 SEQUENTIAL FUEL INJECTION RPO LA1

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard	
Coolant fill location (rad., bottle)		Recovery Bottle (Primary Customer Fill); Radiator (Secondary)	
Radiator cap relief valve pressure kPa (psi)		103 (15)	
Circulation thermostat	Type (choke, bypass)	Bypass	
	Starts to open at °C (°F)	91 (195)	
Water pump	Type (centrifugal, other)	Centrifugal	
	GMP 1000 pump rpm	12	
	Number of pumps	One	
	Drive (V-belt, other)	Serpentine	
	Bearing type	Ball Roller	
	Impeller material	Cast Iron	
	Housing material	Aluminum	
By-pass recirculation type (inter., ext.)		Internal	
Cooling System capacity	With heater - L (qt.)	Not Applicable	
	With air conditioner - L (qt.)	11.23 L (C60), 12.73 (C60/C34)	
	Opt. equipment specify - L (qt.)	11.67 (C60 & V08), 13.17 (C60/C34 & V08)	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Water jackets open at head face (yes, no)		Yes	
Radiator core	Std., A/C, HD	A/C Standard;	H. D. (V08) Included w/Optional Trailer Provisions
	Type (cross-flow, etc.)	Cross-Flow	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	Tube & Center, Brazed	Tube & Center, Brazed
	Material, mass kg (wgt., lbs.)	Aluminum 3.29 (7.3)	Aluminum 4.91 (10.9)
	Width	774 mm (30.47 in.)	774 mm (30.47 in.)
	Height	382 mm (15.04 in.)	382 mm (15.04 in.)
	Thickness	16 mm (0.63 in.)	24 (0.94 in.)
	Fins per inch	10	10
Radiator end tank material		Plastic	
Fan	Std., elec., opt.	Dual Electric	
	Number of blades & type (flex, solid, material)	Seven, Solid, Plastic	
	Number & location (front, rear of radiator)	Two-Rear of Radiator	
	Diameter & projected width	360 mm (14.17 in.)	
	Ratio (fan to crankshaft rev.)	-	
	Fan cutout type	None	
	Drive type (direct, remote)	Direct	
	RPM at idle (elec.)	Low Speed: 940 RPM (LH) Standard; 1297 RPM (LH) H. D. 1111 RPM (RH) 1111 RPM (RH)	
		High Speed: 1569 RPM (LH) Standard; 2343 RPM (LH) H. D. 1984 RPM (RH) 1984 RPM (RH)	
	Motor rating (wattage/elec.)	Standard - 90W (LH), 150W (RH); H.D. - 240 W (LH), 150W (RH)	
	Motor switch (type & location/elec.)	Remote Relay, Electrical Center	
	Switch point (temp./pressure/elec.)		
Fan shroud (material)	None		

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description	3.4 LITER V6 (207 CID)
Engine Code	SEQUENTIAL FUEL INJECTION RPO LA1

Engine - Fuel System (See Supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used.)

Induction type: carburetor, fuel injection system, etc.		Sequential Fuel Injection
Manufacturer		Delphi
Carburetor no. of barrels		Not Applicable
Idle A/F mix.		PCM Controlled
Fuel injection	Point of injection (no.)	Intake Port, Six
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	300 (43.5)
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	Not Applicable
	Automatic	PCM Controlled.
Intake manifold heat control (exhaust or water thermostatic or fixed)		Fixed
Air cleaner type		Replaceable Paper Element
Fuel filter (type/location)		
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Tank
	Pressure range kPa (psi)	250 - 300 (36-44)
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	85.1 (17.5) @ 300 (43.5)

Fuel Tank

Capacity refill L (gallons)		76 (20) Regular; 95 (25) Extended
Location (describe)		Left Center of Vehicle Between Rails
Attachment		Three Steel Straps -Cross Car
Material & Mass kg. (weight lbs.)		High Density Polyethylene
Filler pipe	Location & material	Above Left Rear Wheel - Steel
	Connection to tank	Hose and Clamp
Fuel line (material)		Polyaramid (Nylon) and Steel
Fuel hose (material)		Low Permeation Rubber - Reinforced
Return line (material)		Polyaramid (Nylon) and Steel
Vapor line (material)		Polyaramid (Nylon) and Steel
Extended range tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	Not Applicable
	Location & material	Not Applicable
	Attachment	Not Applicable
Auxiliary tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	Not Applicable
	Location & material	Not Applicable
	Attachment	Not Applicable
	Selector switch or valve	Not Applicable
Separate fill		Not Applicable

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

3.4 LITER V6 (207 CID)
 SEQUENTIAL FUEL INJECTION RPO LA1

Vehicle Emission Control

Type (air injection, engine modifications, other)		Closed Loop, PCM Controlled		
Exhaust Emission Control	Air Injection	Pump or pulse	Not Applicable	
		Driven by	Not Applicable	
		Air distribution (head, manifold, etc.)	Not Applicable	
		Point of entry	Not Applicable	
	Exhaust Gas	Type (controlled flow, open orifice, other)	Controlled Flow Linear	
		Exhaust source	Right Side Exhaust Manifold	
	Recirculation	Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold	
		Catalytic Converter	Type	Bed Monolith
	Number of		One	
	Locations(s)		Underbody	
Volume L (in ³)	2.7 (163)			
Substrate type	Monolith/Ceramic			
Noble metal type	Platinum/Rhodium			
Noble metal concentration	0.07/0.005 (Troy oz)			
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System	
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum	
	Discharges to (intake manifold, other)		Intaket Manifold	
	Air inlet (breather cap, other)		Right rear rocker arm cover	
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel Tank	Fuel Tank to Canister	
		Carburetor	Not Applicable	
	Vapor storage provision		Charcoal	
Electronic system	Closed loop (yes/no)		Yes	
	Open loop (yes/no)		No	

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single W/Cross Over
Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)		1, Reverse Flow, 18.9 Liters, Stainless Steel
Resonator no., type, & volume (liters)		1, Straight Thru, 5.7 Liters
Exhaust pipe	Branch o.d., wall thickness	57.2 mm (2.25 in.), Diameter
	Main o.d., wall thickness	57.2 x 1.5 mm (2.25 x .060 in.)
	Material & Mass kg. (weight lbs.)	Stainless Steel
Intermediate pipe	o.d. & wall thickness	57.2 x 1.5 mm (2.25 x .060 in.)
	Material & Mass kg. (weight lbs.)	Stainless Steel
Tail pipe	o.d. & wall thickness	54 x 1.2 mm (2.13 x .048 in.)
	Material & Mass kg. (weight lbs.)	Stainless Steel

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

3.4 LITER V6 (207 CID)
 SEQUENTIAL FUEL INJECTION RPO LA1

Transmissions/Transaxle (Std., Opt., N.A.)

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	Not Applicable
Manual 6-speed (manufacturer/country)	Not Applicable
Automatic (manufacturer/country)	Not Applicable
Automatic overdrive (manufacturer/country)	GM Powertrain, U.S.A

Manual Transmission/Transaxle (NOT APPLICABLE)

Number of forward speeds		
Gear ratios	1st	
	2nd	
	3rd	
	4th	
	5th	
	6th	
	Reverse	
Synchronous meshing (specify gears)		
Shift lever location		
Trans. case material & mass kg. (lbs.)*		
Lubricant	Capacity L (pt.)	
	Type recommended	

Clutch (Manual Transmission) (NOT APPLICABLE)

Clutch manufacturer		
Clutch type (dry, wet; single, multiple disc)		
Linkage (hydraulic, cable, rod, lever, other)		
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	
	Released	
Assist (spring, power/percent, nominal)		
Type pressure plate springs		
Total spring load (nominal) N (lbs.)		
Clutch facing	Facing mfr. & material coding	
	Facing material & construction	
	Rivets per facing	
	Outside x inside dia. (nominal)	
	Total eff. area cm ² (in. ²)	
	Thickness (pressure plate side/fly wheel side)	
	Rivet depth (pressure plate side/fly wheel side)	
Engagement cushion method		
Release bearing type & method lub.		
Torsional damping method, springs, hysteresis		

* Includes shift linkage, lubricant, and clutch housing. If other specify.

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description	3.4 LITER V6 (207 CID)
Engine Code	SEQUENTIAL FUEL RPO LA1

Automatic Transmission/Transaxle

Trade Name	Hydra-Matic 4T60-E (M13) Transaxle	
Type and special features (describe)	Four-Speed Automatic W/Torque Converter Clutch	
Shift mechanics	Hydraulic Clutches/Electronic Controls	
Gear selector	Location (column, floor, other)	Column (Mechanical)
	Ltr./No. designation (e.g. PRND21)	P-R-N- D -D-2-1
	Shift interlock (yes, no, describe)	Yes-Brake, Ignition Key
Gear ratios	1st	2.92
	2nd	1.57
	3rd	1.00
	4th	.70
	5th	Not Applicable
	6th	Not Applicable
	Reverse	2.38
	Final drive ratio	3.29
Max. upshift vehicle speed - drive range km/h (mph)	1 - 2 =66 (41) 3 - 4 163 (101) 2 - 3 =124 (77)	
Max. upshift engine speed RPM	5600 RPM	
Max. kickdown speed - drive range km/h (mph)	3 - 2 = 104 (65) 2 - 1 = 48 (30)	
Min. overdrive speed km/h (mph)	48.3 (30)	
Torque converter	Type	Lock-Up
	Torus design	Yes
	Number of elements	Three
	Max. ratio at stall	1.95
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 mm
Capacity factor "K"	163 K	
Pump type	Variable Displacement Vane	
Lubricant	Capacity refill L (qts.)	12.7 (13.4) Dry
	Type recommended	Dexron III
Oil cooler (std., opt., N.A., internal, external, air, liquid)	Standard - Liquid	
Transmission mass kg (lbs.) & case material**	81.0 (178.5), Cast Aluminum	

All Wheel / 4 Wheel Drive

(NOT APPLICABLE)

Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)		
Transfer case	Manufacturer and model	
	Type and location	
Low-range gear ratio		
System disconnect (describe)		
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	
	Torque split (% front/rear)	

* Input speed + $\sqrt{\text{torque}}$

** Dry weight including torque converter. If other, specify.

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Description 3.4 LITER V6 (207 CID)
 Engine Code SEQUENTIAL FUEL INJECTION RPO LAI

Axle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage)

Effective final drive ratio (or overall top gear ratio)			3.29
Transfer ratio and method (chain, gear, etc.)			1 / 1, Chain
Front drive unit	Ring gear o.d.		Not Applicable
	No. of teeth	Pinion	"
		Ring gear	"

Front Drive Unit

Description (integral to trans., etc.)		Planetary Final Drive Integral with Transmission
Limited slip differential (type)		Not Applicable
Drive pinion	Type	"
	Offset	"
No. of differential pinions		2
Pinion / differential	Adjustment (shim, etc.)	Not Applicable
	Bearing adjustment	"
Driving wheel bearing (type)		"
Lubricant	Capacity L (pt.)	See Automatic Trans Specs
	Type recommended	See Automatic Trans Specs

Axle Shafts - Front Wheel Drive

Manufacturer and number used			Delphi Saginaw (2)
Type (straight, solid bar, tubular, etc.)	Left		Straight, Solid
	Right		Straight, Solid
Outer diam. x length* x wall thickness	Manual Transaxle	Left	Not Applicable
		Right	"
	Automatic transaxle	Left	27.1 x 300 mm (1.07 x 11.81 in.)
		Right	27.1 x 418 mm (1.07 x 16.46 in.)
	Optional transaxle	Left	Not Applicable
		Right	"
Slip yoke	Type		Not Applicable
	Number of teeth		"
	Spline o.d.		"
Universal joints	Make and mfg. no.	Inner	Delphi Saginaw
		Outer	Delphi Saginaw
	Number used		Inbrd. & Outbrd. on Each Axle
	Type, size, plunge	Inner	Tripot - 66.0 mm Stroke - Plunge
		Outer	Rzeppa - Fixed Center
	Attach (u-bolt, clamp, etc.)		Retaining Ring
Bearing	Type (plain, anti-friction)	Inner - Ball & Needle Outer - Ball	
	Lubrication (fitting, prepack)	Prepacked	
Drive taken through (torque tube, arms or springs)			Wishbone Lower Control Arm, Upper MacPherson Strut
Torque taken through (torque tube, arms or springs)			Engine Mounting System

* Centerline to centerline of universal joints, or to centerline of attachment.

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

ALL

Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not available		Optional	
	Manual/automatic control		Automatic	
	Type (air/hydraulic)		Air	
	Primary/assist spring		Assist Spring	
	Rear only/4 wheel leveling		Rear Only	
	Single/dual rate spring		Single Rate	
	Single/dual ride heights		Single Ride Height	
	Provision for jacking		None	
Shock absorber damping controls	Standard/option/not available		Not Available	
	Manual/automatic control		Not Available	
	Number of damping rates		Not Available	
	Type of actuation (manual/ electric motor/air, etc.)		Not Available	
	Sensors	Lateral acceleration		Not Available
		Deceleration		Not Available
		Acceleration		Not Available
Road surface		Not Available		
Shock absorber (front & rear)	Type		Front: Twin Tube, Gas Charged	
	Make		Front: Delphi Chassis	
	Piston diameter		Front: 32 mm (1.26 in.); Rear 25 (1.00 in.)	
	Rod diameter		Front: 22 mm (0.9 in.); Rear 12.5 (0.50 in.)	

Suspension - Front

Type and description		MacPherson Strut with Coil Springs, Stamped L-Shaped Lower Control Arm and Aluminum Steering Knuckles
Travel	Full jounce (define load condition)	102 (Curb)
	Full rebound	82 (Curb)
Spring	Type (coil, leaf, other & material)	Coil, Steel
	Insulators (type & material)	Natural Rubber
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	189.3 mm DSN HT; Max I.D. 150 mm
	Spring rate N/mm (lb./in.)	FE1/FE3: 27 N/mm
	Rate at wheel N/mm (lb./in.)	FE1/FE3: 31.5 N/mm
Stabilizer	Type (link, linkless, frameless)	Linked to Control Arm
	Material & O.D. bar/tube, wall thickness	34 mm Hollow

Suspension - Rear

Type and description		Trailing Arm with Stamped Control Arms and Open Section Transverse Beam	
Travel	Full jounce (define load condition)	95 from Curb	
	Full rebound	92 from Curb	
Spring	Type (coil, leaf, other & material)	Coil, Steel, Double Pigtail	
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	154 mm O.D. Coil; 13.0 mm Dia. Wire	
	Spring rate N/mm (lb./in.)	27 N/mm, Standard; 32N/mm, Optional	
	Rate at wheel N/mm (lb./in.)	27 N/mm, Standard; 32N/mm, Optional	
	Insulators (type & material)		Upper & Lower, Natural Rubber
	If leaf	No. of leaves	Not Applicable
		Shackle (comp. or tens.)	Not Applicable
Stabilizer	Type (link, linkless, frameless)	Linkless	
	Material & O.D. bar/tube, wall thickness	36 mm / 4mm Hollow	
Track bar (type)		Transverse Link - Open Section	

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (#) _____

METRIC (U.S. Customary)

Model Code/Description And/OR
 Engine Code/Description

ALL

Brakes - Service

Description		Single Piston Caliper Disc Front; Leading-Trailing Drum Rear			
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)	Disc			
	Rear (disc or drum)	Drum			
Valving type (proportion, delay, metering, other)		Proportioning			
Power brake (std., opt., n.a.)		Standard			
Booster type (remote, integral, vac., hyd., etc.)		Vacuum			
Vacuum	Source (inline, pump, etc.)	Inline			
	Reservoir (volume in. ³)	None			
	Pump-type (elec., gear or belt driven)	Not Available			
Traction assist	Operational speed range	All Speeds			
	Type (engine or brake intervention)	Brake and Powertrain Torque Management			
Antilock device	Front/rear (std., opt., n.a.)	Standard			
	Manufacturer	Delphi Chassis Systems			
	Type (electronic, mech.)	Electronic			
	Number sensors or circuits	Four			
	Number antilock hydraulic circuits	Four			
	Integral or add-on system	Add-On Mounted to Master Cylinder			
	Yaw control (yes, no)	Yes			
Hyd. power source (elec., vac., mtr., pwr., strg.)		Not Applicable			
Effective area cm ² (in. ²)*		150 cm ² (23.2 in ²) Total Frt.			
Gross Lining area cm ² (in. ²)** (F/R)		225 cm ² (34.8 in ²) Total Frt.			
Swept area cm ² (in. ² *** (F/R)		749 cm ² (116 in ²) Per Corner			
Rotor	Outer working diameter	F/R	278 mm (10.94 in.)		
	Inner working diameter	F/R	172 mm (6.77 in.)		
	Thickness	F/R	32.2 mm (1.27 in.)		
	Material & type (vented/solid)	F/R	Cast Iron, Vented		
Drum	Diameter & width	F/R	225 x 45 mm (8.86 x 1.77 in.)		
	Type and material	F/R	Composite Cast Iron, Finned		
Wheel cylinder bore		63.5 mm (2.49 in.)			
Master cylinder	Bore/stroke	F/R	25.4 mm (0.99 in.) / 35.44 mm (1.39 in.)		
Pedal arc ratio		3.93:1			
Line press. at 445 N (100 lb.) pedal load (kPa (psi))					
Lining clearance		F/R	Self-Adjusting 0/0.381 mm		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Rivet Size		Not Applicable	
		Manufacturer		Delphi Chassis Systems	
		Lining code *****		DM 130 EE	
		Material		Semi-Metallic	
		****	Primary or out-board	126 x 47 x 12 mm (4.96 x 1.85 x 0.47 in.)	
		Size	Secondary or in-board	126 x 47 x 12 mm (4.96 x 1.85 x 0.47 in.)	
	Shoe thickness (no lining)		4.85 mm		
	Rear wheel	Bonded or riveted (rvts/seg.)		Riveted	
		Manufacturer		Delphi Chassis Systems	
		Lining code *****		245 FF	
		Material		Semi-Metallic	
		****	Primary or out-board	224.8 x 43.9 x 6.4 mm (8.85 x 1.73 x 0.25 in.)	
		Size	Secondary or in-board	224.8 x 43.9 x 6.4 mm (8.85 x 1.73 x 0.25 in.)	
Shoe thickness (no lining)		2 mm (.079 in.)			

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.
 *** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)
 (Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)
 **** Size for drum brakes includes length x width x thickness. *****Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

ALL

Tires And Wheels (Standard)

Tires	Size (service description)		P205/70R15 All Season 95S Regular; P215/70R15 All Season 97S Extended
	Type (bias, radial, steel, nylon, etc.)		Steel Belted Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	240 (35)
		Rear kPa (psi)	240 (35)
	Rev./mile at 70 km/h (45 mph)		
Wheels	Type & material		Steel
	Rim (size & flange type)		15 x 6.0 J
	Wheel offset		52 mm
	Attachment	Type (bolt or stud & nut)	Stud/Nut
		Circle diameter	115 mm (4.53 in.)
Number & size		Five, M12 x 1.5	
Spare	Tire and wheel		T125/70R15 B.W. Compact Spare, Radial, Wheel Dia. x Width 15 x 4, Inflation Pressure (60 psi/415 kPa)
	Storage position & location (describe)		Horizontal, Under Floor

Tires And Wheels (Optional)

Tire size (service description)	P215/70R15 Touring 97S
Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial
Wheel (type & material)	Cast Aluminum or Steel
Rim (size, flange type and offset)	15 x 6.0 J x 52
Tire size (service description)	P215/70R15 97S
Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial Touring W/Sealant
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel size	
(if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	

Brakes - Parking

Type of control	Foot Pedal Application	
Location of control	Under Instrument Panel, Left of Steering Column	
Operates on	Rear Service Brakes	
If separate from service brakes	Type (internal or external)	—
	Drum diameter	—
	Lining size (length x width x thickness)	—

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

ALL

Steering

Manual (std., opt., n.a.)		Not Applicable		
Power (std., opt., n.a.)		Standard		
Speed-sensitive (std., opt., n.a.)		Not Available		
4-wheel steering (std., opt., n.a.)		Not Available		
Adjustable steering wheel/column (tilt, telescope, other)	Type	Tilt Column		
	Manufacturer	Delphi Saginaw Steering Systems		
	(std., opt., n.a.)	Optional		
Wheel diameter** (W9) SAE J1100	Manual	Not Applicable		
	Power	395 mm (15.6 in.)		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	12.33 m (40.5 ft.) Regular 12.94 m (42.5 ft.) Extended	
		Curb to curb (l. & r.)	11.77 m (38.6 ft.) Regular 12.39 m (40.6 ft.) Extended	
	Inside rear	Wall to wall (l. & r.)	11.9 m (39.1 ft.) Regular 12.6 m (41.4 ft.) Extended	
		Curb to curb (l. & r.)	11.4 m (37.4 ft.) Regular 12.1 m (39.7 ft.) Extended	
Scrub Radius*		-10.7 mm (-0.42 in.)		
Manual	Gear	Type	Not Applicable	
		Manufacturer	Not Applicable	
		Ratios	Not Applicable	
	No. wheel turns (stop to stop)	Not Applicable		
Power	Type (coaxial, elec. hyd., etc.)	Hydraulic		
	Manufacturer	Delphi Saginaw Steering Systems		
	Gear	Type	Rack and Pinion with Integral Power Unit	
		Ratios	Gear	45.13 mm/REV
		Overall	16.8:1	
	Pump (drive)	Belt Off Crankshaft Pulley		
No. wheel turns (stop to stop)	3.05			
Linkage	Type	End Take-Off Tie Rods		
	Location (front or rear of wheels, other)	Rear of Front Wheel Centerline		
	Tie rods (one or two)	Two		
Steering axis	Inclination at camber (deg.)		13.7	
	Bearings (type)	Upper	Ball Bearing	
		Lower	Ball Joint	
		Thrust	Ball Bearing	
Steering spindle/knuckle & joint type		MacPherson Strut with Lower Ball Joint		

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.

** See Page 23.

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

ALL

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	2.9 (±) 0.5 ; Cross-Caster within 0.75
		Camber (deg.)	-0.70 (±) 0.5 ; Cross-Camber Within 0.75
		Toe-in outside track mm (in.)	0.0 (±) 0.10; Sum Toe 0.20 in. max.
	Service reset*	Caster (deg.)	Not Adjustable
		Camber (deg.)	-0.70 (±) 0.5 ; Cross-Camber Within 0.75
		Toe-in mm (in.)	0.0 (±) 0.10; Sum Toe 0.20 in.max.
Periodic M.V. inspection	Caster (deg.)	Not Adjustable	
	Camber (deg.)	-0.70 (±) 0.5 ; Cross-Camber Within 0.75	
	Toe-in mm (in.)	0.0 (±) 0.10; Sum Toe 0.20 in. max.	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-1.0 (±) 0.3
		Toe-in outside track mm (in.)	-0.0 (±) 0.3 Total (Thrust = ± .15)
	Service reset*	Camber (deg.)	Not Adjustable
		Toe-in mm (in.)	Not Adjustable
	Periodic M.V. insp.	Camber (deg.)	-1.0 (±) 0.3
		Toe-in mm (in.)	0.0 (±) 0.3 Total

* Indicates pre-set, adjustable, trend set or other.

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	Analog Standard
	Trip odometer (std., opt., n.a.)	Standard
Head-up display	Standard, optional, not available	Not Available
	Type	Secondary, opto-electronic
	Speedometer	Digital
	Status/warning indicators	Turn signals, high beam, low fuel, check gauges
	Brightness control	Day / night mode, adjustable
EGR maintenance indicator		
Charge indicator	Type	Indicator
	Warning device (light, audible)	Light
Temperature indicator	Type	Analog
	Warning device (light, audible)	Light
Oil pressure indicator	Type	Light
	Warning device (light, audible)	Only Light Available
Fuel indicator	Type	Analog
	Warning device (light, audible)	Low Fuel Light
Windshield wiper	Type (standard)	Two-Speed, Depressed Park, Symmetrical Overlap
	Type (optional)	Not Available
	Blade length	24 in. (600 mm)
	Swept area cm ² (in. ²)	8484.4 cm ²
Windshield washer	Type (standard)	Wet-Arm System
	Type (optional)	Not Available
	Fluid level indicator (light, audible)	Not Available
Rear window wiper, wiper/washer (std., opt., n.a.)		Standard (Delay Wipe/Demand Wash)
Horn	Type	Air Tone
	Number used	Two
ABS Fault / Active Indicator	Type	Light
	Warning Device	Not Available

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Code/Description

3.4 LITER V6 (207 CID)
 SEQUENTIAL FUEL INJECTION RPO LA1

Electrical - Supply System

Battery	Manufacturer	Delphi - E	
	Model, std., (opt.)	78A - 72	
	Voltage	12	
	Amps at 0° F. cold crank	600	
	Minutes-reserve capacity	115	
	Amps/hrs.-20 hr. rate	69	
	Location	Front Right Engine Compartment	
Bruce Lyons Alternator	Manufacturer	Valeo A13VI+	Delphi - E
	Rating (idle/max. rpm)	42/105	50/140
	Ratio (alt. crank/rev.)	2:85:1	2.52:1
	Output at idle (rpm, park)	64	72.9 Amps (850 RPM) w/Rr. A/C
	Optional (type & rating)	Base	Optional
Regulator	Type	Integral	Integral w/Alternator

Electrical - Starting System

Motor	Manufacturer	Delphi - E	
	Current drain _____ °C (°F)	318 Amps @ -30 (-22)	
	Power rating kw (hp)	1.5 (2)	
Motor drive	Engagement type	Solenoid Actuated, Positive Engagement	
	Pinion engages from (front, rear)	Front	

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Standard		
	Other (specify)	-		
Coil	Manufacturer	Delphi		
	Model	Direct Ignition System		
	Current	Engine stopped - A		
		Engine idling - A		
Spark plug	Manufacturer	Delphi		
	Model	41 - 940		
	Thread (mm)	14 x 1.25		
	Tightening torque N-m (lb. ft.)	9-20 (7-15)		
	Gap	1.52 mm (.060 in)		
	Number per cylinder	One		
Distributor	Manufacturer	Not Applicable		
	Model	Not Applicable		

Electrical - Suppression

Locations & type	Internal Alternator Capacitor, Non-Metallic High Tension Ignition Cables, Resistor Spark Plugs, Ignition Coil By-Pass Capacitor, Internal AC Blower Motor By-Pass Capacitor & A/C Compressor Diode, Internal Capacitors for Cooling Fan and Windshield Wiper Motor.
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MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description

ALL

Body

Structure	Full Unitized Steel Body Construction Including Steel Roof and Quarter Panels. Doors and Liftgate Feature Steel Panel Construction. Hood is Aluminum Inner and Outer.
Bumper system front - rear	Fascia - TPO Polypropylene Foam Energy Absorber Front and Rear Steel Front Impact Bar Azdel Rear Impact Bar
Anti-corrosion treatment	Two-Sided Galvanized Metals, Phosphate Treatments, and Electro Deposition Primers

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	Base Coat/Clear Coat High Solids Enamel	
Hood	Material & mass	
	Hinge location (front, rear)	
	Type (counterbalance, prop)	Four Bar Link with a Prop Rod at the Front
	Release control (internal, external)	Body Interior Release of Primary Latch with Lever Operation Secondary
Trunk lid	Material & mass	Not Applicable
	Type (counterbalance, other)	Not Applicable
	Internal release control (elec., mech., n.a.)	Not Applicable
Hatchback lid	Material & mass	Not Applicable
	Type (counterbalance, other)	Not Applicable
	Internal release control (elec., mech., n.a.)	Not Applicable
Tailgate	Material & mass	Steel
	Type (drop, lift, door)	Liftgate One Piece with Fixed Glass
	Internal release control (elec., mech., n.a.)	External Key-Operated Unlock; Handle-Operated Unlatch
Vent window control (crank, friction, pivot, power)	Front	Not Applicable
	Rear	Pivot
Window regulator type (cable, tape, flex drive, etc.)	Front	Cross Arm Regulator with Fixed Point Geometry
	Rear	Rear Side Glass is Flip Out Hinged at the Front Over Center Latch at Rear
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Buckets with Full Foam Cushions
	Rear	Std. - Full Bench w/Full Foam Cushions - Easy Removal Opt. - Buckets and Split Benches with Adjusters
	3rd seat	Std. - Full Bench w/Full Foam Cushions - Easy Removal Opt. - Buckets and Split Benches with Adjusters
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Buckets with Full Foam Backs
	Rear	Std. - Full Bench with Full Foam Cushions - Easy Removal Opt. - Buckets and Split Benches with Recliners
	3rd seat	Std. - Full Bench with Full Foam Cushions - Easy Removal Opt. - Buckets and Split Benches with Recliners

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized Steel Body; Separate Engine Cradle
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MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description

ALL

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.)	First seat	Lap & Shoulder Belt		Lap & Shoulder Belt
	Standard / Optional	Second seat	Lap & Shoulder Belt	Lap Belt	Lap & Shoulder Belt
		Third seat	Lap & Shoulder Belt	Lap Belt	Lap & Shoulder Belt
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt)	First seat	Air Bag & Knee Bolster		Air Bag & Knee Bolster
	Standard / Optional	Second seat			
		Third seat			
Glass		SAE Ref.No.	REGULAR	EXTENDED	
Windshield glass exposed surface area cm ² (in. ²)		S1	12,145 (1882)	12,145 (1882)	
Side glass exposed surface area cm ² (in. ²) - total 2 sides		S2	20,306 (3147)	23,676 (3670)	
Backlight glass exposed surface area cm ² (in. ²)		S3	5,388 (835)	5,388 (835)	
Total glass exposed surface area cm ² (in. ²)		S4	37,839 (5865)	41,209 (6387)	
Windshield glass (type/thickness)			Laminated Glass, 5.4 mm		
Side glass (type/thickness)			Tempered Glass, 3.5 mm Lt. Tint Standard; 4.0 mm Dk. Tint-Optional		
Backlight glass (type/thickness)			Tempered Glass, 3.5 mm Lt. Tint Standard; 4.0 mm Dk. Tint-Optional		
Tinted (yes/no, location)			Yes, Side and Back Glass		
Solar control (yes/no, coated/batched, location)			Yes, Coated, Windshield; Solar Control on Dark Tint, Quarter Glass & Backlight		

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Dual Filament, Replaceable Bulb
Shape	Rectangular
Lo-beam type (2A1, 2B1, 2C1, etc.)	9004 - HB1 (Lo and Hi-Beam - One Bulb)
Quantity	Two - One On Each Side
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	9004 - HB1 (Lo and Hi-Beam - One Bulb)
Quantity	

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Engine Code/Description

3.4 LITER V6 (207 CID)
 SEQUENTIAL FUEL INJECTION RPO LA1

Climate Control System

Air conditioning (std., opt., man., auto.)		Standard Manual Front A/C; (C60)	Optional Manual Front/Rear A/C (C34)
Condenser	Type	Tube & Fin Aluminum (C60);	Header Tube Aluminum (C34)
	Eff. face area (sq. mm.)	315,180 (C60);	298,680 (C34)
	Fins per inch	13 (C60);	10 (C34)
Evaporator	Type	Plate & Center	
	Eff. face area (sq. mm.)	60,880	
	Fins per inch	14	
Heater core	Material	Aluminum	
	Eff. face area (sq. mm.)	33,2250	
	Fins per inch	38	
Compressor	Type	Variable Disp. 5 Cylinder Axial	
	Displacement (cc.)	150.7	
	Manufacturer	Delphi Harrison Thermal Systems	
	A/C pulley ratio	1.34	
Accumulator	Type	Aluminum	
	Height (mm.)	232.2	
	Diameter (mm.)	88.8	
Receiver	Type	Not Applicable	
	Height (mm.)	Not Applicable	
	Diameter (mm.)	Not Applicable	
Refrigerant control (CCOT, TVS, etc.)		VDOT (Variable Displacement Orifice Tube)	
Heater water valve (yes / no)		No	
Refrigerant (R - 12, R - 134a, etc.)		R-134a	
Charge level (lbs. - oz.)		2.0 (C60);	2.87 (C34)
Cold engine lockout switch (yes / no)		No	
Wide open throttle cutout switch (yes / no)		Yes	

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description

ALL

Convenience Equipment (standard, optional, n.a.)

	Clock (digital, analog)	Digital Standard, Included W/Standard Radio - All
	Compass / thermometer	Not Available
	Console (floor, overhead)	Floor - Std. / Overhead - Std.
	Defroster, electric windshield	Not Available
	Defroster, electric backlight	Optional
Electronic	Diagnostic monitor (integrated, individual)	Not Available
	Instrument cluster (list instruments)	Speedometer, Temperature Gage, Fuel Gage, Odometer, Trip Odometer
	Keyless entry	Active Two - Button; Active Three - Button w/Opt. Power Sliding Door; Active Four - Button w/power Sliding Door and w/Opt. Alarm
	Tripminder (avg. spd., fuel)	Not Available
	Voice alert (list items)	Not Available
	Other	Not Available
	Fuel door lock (remote, key, electric)	Not Available
Integrated Child Seating	Std./opt. & location in vehicle	Optional; 2nd Row Bucket or 40/60 Split Bench with Recliners
	Number of occupants	One Per Seat
	Occupant weight/height (min. & max.)	20-40 Pounds and Less than 40" - Use 5-Point Belt System Plus 40 Pounds - Use 3 Point Belt System
	Restraint system description (3 or 5-point belts/booster seat capability)	Five - Point Belt System with Manual Cinch; Booster Capable
Lamps	Auto head on/off delay, dimming	Automatic Headlights On/Off with DRL
	Cornering	Not Available
	Courtesy (map, reading)	Standard
	Door lock, ignition	Interior Door Lock Switches Lighted (W/Opt. Power Door Locks)
	Engine compartment	Standard
	Fog	Not Available
	Glove compartment	Standard
	Trunk	Not Applicable
	Illuminated entry system (list lamps, activation)	Standard -- I/P Courtesy, Two; Second Row Center Dome, Rear Cargo Dome, Roof-Console Map Lamps, Two
Other	Rear Reading Lamp, Optional (Standard - 1UM16) I/P Ashtray - Standard	
Mirrors	Day / night (auto., man.)	Standard - Manual
	L.H. (remote, power, heated)	Power Standard
	R.H. (convex, remote, power, heated)	Power Standard - Convex
	Visor vanity (RH / LH, illuminated)	RH/LH Non-Illum. Standard
	Navigation system (describe)	Not Available
	Parking brake-auto release (warning light)	Warning Light Standard; Auto Release Not Available

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description

ALL

Convenience Equipment (standard, optional, n.a.)

Power equipment	Deck lid (release, pull down)		Not Applicable
	Door locks (manual, automatic, describe system)		Standard Automatic Lock System Provides Lock/Unlock of All Doors Inc. Liftgate Via Front Door Switches; Sliding Door Lock Delay, Auto Lock Out of Park is a Customized Feature, Remote Keyless Entry - Optional
	Seats	2 - 4 - 6 way, etc.	Six-Way Power Optional for Driver Seat
		Reclining (R.H., L.H.)	Not Available
		Memory (R.H.,L.H., preset recline)	Not Available
		Support (lumbar, hip, thigh, etc.)	Not Available
		Heated (R.H., L.H., other)	Not Available
	Side windows		Optional - Front Door Windows Only (Standard - 1UM16)
Vent windows		Not Available	
Rear windows		Not Available	
Radio systems	Antenna (location, whip, w/shield, power)		Integrated Windshield
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM/FM Stereo/Clock (1UM06/1UN06) AM/FM Stereo/Clock/Cassette (1UM16)
	Optional		AM/FM Stereo/Cassette/Rear Seat Audio AM/FM Stereo/Compact Disc/Rear Seat Audio Remote CD Player Rear Seat Audio
	Speaker (number, location)		Four x Six Round - Standard One Each Front Door; Two in Liftgate
Roof: open air or fixed (flip-up, sliding, "T")			Not Available
Speed control device			Optional, Includes Resume Speed and Acceleration Feature
Speed warning device (light, buzzer, etc.)			Not Available
Tachometer (rpm)			Not Available
Telephone system (describe)			Not Available
Theft deterrent system			Optional

Trailer Towing

Towing capable	Yes / No	Yes
Engine / transmission / axle	Std. / Opt.	3.4L V6 / 4A / 3.29, Std.
Tow class (I, II, III)*	Std. / Opt.	I (Class II W/Opt. Trailering Provisions (V92))
Max. gross trailer wgt. (lbs.)	Std / Opt.	2000 lbs. (Limited by Max. GCW of 6607 lbs.), Std. 3500 lbs. (Limited by Max. GCW of 8107 lbs.), Opt.
Max. trailer tongue load (lbs.)	Std. / Opt.	200 lbs., Std.; 350 lbs., Opt.
Towing package available	Yes / No	Yes, Opt. Trailering Provisions (V92)

* Class I - 2,000 lbs. Class II - 3,500 lbs. Class III - 5,000 lbs.

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line. SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified.

Model Code/Description	SAE Ref. No.	REGULAR	EXTENDED
Width			
Tread (front)	W101	1562 (61.5)	1562 (61.5)
Tread (rear)	W102	1608 (63.3)	1608 (63.3)
Vehicle width	W103	1830 (72.0)	1830 (72.0)
Body width at SgRP (front)	W117	1803 (71.0)	1803 (71.0)
Vehicle width (front doors open)	W120	3550 (139.8)	3550 (139.8)
Vehicle width (rear doors open)	W121	1057 (41.6)	1057 (41.6)
Tumble-home (degrees)	W122	18	18
Outside mirror width	W410	2177 (85.7)	2177 (85.7)

Length

Wheelbase	L101	2845 (112.0)	3047 (120.0)
Vehicle length	L103	4747 (186.9)	5102 (200.9)
Overhang (front)	L104	936 (36.9)	935 (36.8)
Overhang (rear)	L105	966 (38.0)	1120 (44.1)
Upper structure length	L123	3246 (127.8)	3601 (141.8)
Rear Wheel C/L "X" coordinate	L127	4638 (182.6)	4840 (190.6)

Height **

Passenger distribution (front/rear)	PD1 .2,3	Not Available	Not Available
Trunk/cargo load		Not Applicable	Not Applicable
Vehicle height	H101	1712 (67.4)	1729 (68.1)
Cowl point to ground	H114	1071 (42.2)	1080 (42.5)
Deck point to ground	H138	No Deck	No Deck
Rocker panel-front to ground	H112	222 (8.7)	232 (9.1)
Rocker panel-rear to ground	H111	242 (9.5)	258 (10.2)
Windshield slope angle (degrees)	H122	57	57
Backlight slope angle (degrees)	H121	27.8	27.8

Ground Clearance **

Front bumper to ground	H102	212 (8.3)	217 (8.5)
Rear bumper to ground	H104	264 (10.4)	280 (11.0)
Bumper to ground front at curb mass (wt.)	H103	224 (8.8)	231 (9.1)
Bumper to ground rear at curb mass (wt.)	H105	277 (10.9)	289 (11.4)
Angle of approach (degrees)	H106	19.4	19.8
Angle of departure (degrees)	H107	15	15.2
Ramp breakover angle (degrees)	H147	12	11.9
Axle differential to ground (front/rear)	H153	Not Available	Not Available
Min. running ground clearance	H156	139 (5.5) (At RR. Shock Bracket)	152 (6.0) (At RR. Shock Bracket)
Location of min. running ground clear.		Front Cradle	Front Cradle

** All Vehicle Height And Ground Clearance Are Made Using EPA Loaded Vehicle Weight, Loading Conditions. EPA loaded vehicle weight is the base vehicle weight plus all coolant and fluids necessary for operation plus 100% of the fuel capacity, plus the weight of all options and accessories which weigh three pounds or more and which are sold on at least 33% of the car line, plus two occupants.

All linear dimensions are in millimeters (inches).

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description	SAE Ref. No.	REGULAR	EXTENDED
Front Compartment			
SgRP front, "X" coordinate	L31	3079 (121.2)	3079 (121.2)
Effective head room	H61	1013 (39.9)	1013 (39.9)
Max. effective leg room (accelerator)	L34	1013 (39.9)	1013 (39.9)
SgRP to heel point	H30	363 (14.3)	363 (14.3)
SgRP to heel point	L53	751 (29.6)	751 (29.6)
Back angle (degrees)	L40	22	22
Hip angle (degrees)	L42	96	96
Knee angle (degrees)	L44	113	113
Foot angle (degrees)	L46	87	87
Design H-point front travel	L17	205 (8.1)	205 (8.1)
Normal driving & riding seat track trvl.	L23	151 (5.9)	151 (5.9)
Shoulder room	W3	1518 (59.8)	1518 (59.8)
Hip room	W5	1409 (55.5)	1409 (55.5)
*** Upper body opening to ground	H50	1562 (61.5)	1572 (61.9)
Steering wheel maximum diameter**	W9	395 (15.6)	395 (15.6)
Steering wheel angle (degrees)	H18	28	28
Accel. heel pt. to steer. whl. cntr.	L11	383 (15.1)	383 (15.1)
Accel. heel pt. to steer. whl. cntr.	H17	738 (29.1)	738 (29.1)
Undepressed floor covering thickness	H67	49 (1.9)	49 (1.9)

Front Compartment Interior Dimensions are Measured with the Seating Reference Point (SgRP) _____ mm forward and _____ mm Upward of Rearmost Position.

Rear Compartment

SgRP point couple distance	L50	824 (32.4)	891 (35.1)
Effective head room	H63	997 (39.3)	999 (39.3)
Min. effective leg room	L51	937 (36.9)	990 (39.0)
SgRP (second to heel)	H31	338 (13.3)	341 (13.5)
Knee clearance	L48	53 (2.1)	114 (4.5)
Shoulder room	W4	1572 (61.9)	1572 (61.9)
Hip room	W6	1533 (60.4)	1533 (60.4) Single; 1633 (64.3) Dual
*** Upper body opening to ground	H51	1586 (62.4)	1600 (63.0)
Back angle (degrees)	L41	22	22
Hip angle (degrees)	L43	90	94
Knee angle (degrees)	L45	96	107
Foot angle (degrees)	L47	126	130
Depressed floor covering thickness	H73	18 (0.7)	18 (0.7)

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	Not Applicable	Not Applicable
*** Lifter height	H195	610 (24.0)	636 (25.0)

Interior Volumes (EPA Classification)

(NOT APPLICABLE)

Vehicle class	
Interior volume index including trunk/cargo (cu. ft.)**	
Trunk/cargo index (cu. ft.)	

* See page 14.

** See definition page 33.

All linear dimensions are in millimeters (inches) unless otherwise noted.

*** EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications

Vehicle Line VENTURE
 Model Year 1997 Issued _____ Revised (●) _____

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description	SAE Ref. No.	REGULAR	EXTENDED
Station Wagon/MPV* -Third Seat			
Seat facing direction	SD1	FWD	FWD
SgRP couple distance	L85	805 (31.7)	868 (34.2)
Shoulder room	W85	1526 (60.1)	1515 (59.6)
Hip room	W86	1228 (48.3)	1228 (48.3)
Effective leg room	L86	864 (34.0)	933 (36.7)
Effective head room	H86	985 (38.8)	989 (38.9)
SgRP to heel point	H87	317 (12.5)	318 (12.5)
Knee clearance	L87	41 (1.6)	95 (3.7)
Back angle (degrees)	L88	22	22
Hip angle (degrees)	L89	84	88
Knee angle (degrees)	L90	84	96
Foot angle (degrees)	L91	119	128

Station Wagon/MPV* - Cargo Space

Cargo length (open front)	L200	Not Applicable	Not Applicable
Cargo length (open second)	L201	Not Applicable	Not Applicable
Cargo length (closed front)	L202	2186 (86.1)	2541 (100.0)
Cargo length (closed second)	L203	1288 (50.7)	1585 (62.4)
Cargo length at belt (front)	L204	1896 (74.6); 1995 (78.5) Max.	2243 (88.3) 2350 (92.5) Max.
Cargo length at belt (second)	L205	1052 (41.4)	1349 (53.1)
Cargo width (wheelhouse)	W201	1228 (48.3)	1228 (48.3)
Rear opening width at floor	W203	1291 (50.8)	1310 (51.6)
Opening width at belt	W204	1305 (51.4)	1282 (50.5)
Min. rear opening width above belt	W205	1092 (43.0)	1092 (43.0)
Cargo height	H201	1164 (45.8)	1146 (45.1)
Rear opening height	H202	1034 (40.7)	1034 (40.7)
Tailgate to ground height	H250	Not Applicable	Not Applicable
Front seat back to load floor height	H197	943 (37.1)	915 (36.0)
Cargo volume index m ³ (ft. ³)	V2	Not Applicable	Not Applicable
Hidden cargo volume index m ³ (ft. ³)	V4	Not Applicable	Not Applicable
Cargo volume index-rear of 2-seat	V10		
Cargo volume index*	V6	3582 (126.6 cu. ft.)	4198 (148.3 cu. ft.) Single 4413 (155.9 cu. ft.) Dual
Cargo width at floor*	W500	1502 (59.1)	1502 (59.1) Single 1579 (62.2) Dual
Maximum cargo height*	H505	1228 (48.3)	1234 (48.6)

Hatchback - Cargo Space

Cargo length at front seatback height	L208	Not Available	Not Available
Cargo length at floor (front)	L209	Not Available	Not Available
Cargo length at second seatback height	L210	Not Available	Not Available
Cargo length at floor (second)	L211	Not Available	Not Available
Front seatback to load floor height	H197	943 (37.1)	915 (36.0)
Second seatback to load floor height	H198	773 (30.4)	787 (31.0)
Cargo volume index m ³ (ft. ³)	V3	Not Applicable	Not Applicable
Hidden cargo volume index m ³ (ft. ³)	V4	Not Applicable	Not Applicable
Cargo volume index - rear of 2-seat	V11	Not Applicable	Not Applicable

All linear dimensions are in millimeters (inches) unless otherwise noted.

* MPV - Multipurpose Vehicle

** EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications

Vehicle Line VENTURE
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METRIC (U.S. Customary)

Model Code/ Description	REGULAR	EXTENDED
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Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location	
Front	X	Fiducial mark to vertical zero grid line - front measured horizontally, from the zero grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt.
	Y	Fiducial mark to centerline of car - front, width measurement made from centerline car to fiducial mark located on top of the front seat adjuster mounting bolt.
	Z	Fiducial mark to horizontal zero grid line - front, measured vertically from zero grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.
Rear	X	Fiducial mark to vertical zero grid line - rear, measured horizontally from the zero grid line to rear fiducial mark located on the rail (compartment pan - longitudinal.)
	Y	Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on the rail (compartment pan - longitudinal.)
	Z	Fiducial mark to horizontal zero grid line - rear, measured vertically from the zero grid line to rear fiducial mark located on the rail (compartment pan - longitudinal.)
NOTE: Provide 3 of 4 Fiducial Mark Locations		
Front	W21**	568 (22.4)
	L54**	2861 (112.6)
	H81**	617 (24.3)
	*** H181**	449 (17.7)
	*** H183**	436 (17.2)
Rear	W22**	431.5 (17.0)
	L55**	5032 (198.1)
	H82**	578 (22.8)
	*** H182**	410 (16.1)
	*** H184**	398 (15.7)

* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks.
 ** Reference - SAE Recommended Practice J1100 - Motor Vehicle Dimensions.
 *** EPA Loaded Vehicle Weight, Loading Conditions
 All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications
METRIC (U.S. Customary)

Vehicle Line VENTURE

Model Year 1997

Issued _____

Revised (•) _____

Code		Model		VEHICLE MASS (WEIGHT)			Shipping Mass kg (lb)***	ETWC** Code	% PASS MASS DISTRIBUTION			
				CURB MASS, kg. (lb.)*					Pass in Front		Pass in Center	
		Front	Rear	Total				Front	Rear	Front	Rear	
VENTURE (1UM06) LA1, 3400		1027	714	1741	1682	Z	53.6	46.4	26.6	73.4		
3-Dr. Minivan, Extended		(2264)	(1574)	(3838)	(3708)							
VENTURE (1UM16) LA1, 3400		1035	734	1769	1710	Z	53.6	46.4	26.6	73.4		
4-Dr. Minivan, Extended		(2282)	(1618)	(3900)	(3770)							
VENTURE (1UN06) LA1, 3400		994	684	1678	1633	Y	53.6	46.4	26.6	73.4		
3-Dr. Minivan, Regular		(2191)	(1508)	(3699)	(3600)							

* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.

** ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications.
Refer to ETWC code legend below for test weight class.

* PASS IN THIRD ROW (ALL MODELS)
FRONT REAR
-2.4 102.4

ETWC LEGEND

A = 1000	I = 2000	Q = 3000	Y = 4000
B = 1125	J = 2125	R = 3125	Z = 4250
C = 1250	K = 2250	S = 3250	AA = 4500
D = 1375	L = 2375	T = 3375	BB = 4750
E = 1500	M = 2500	U = 3500	CC = 5000
F = 1625	N = 2625	V = 3625	DD = 5250
G = 1750	O = 2750	W = 3750	EE = 5500
H = 1875	P = 2875	X = 3875	FF = 5750

*** Shipping Mass (weight) = Curb Weight Less:
45.0 (99.2) (Regular)
58.6 (129.2) (Extended)

MVMA Specifications
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		Optional Equipment Differential Mass (weight)*			
Code	Equipment	MASS, kg. (lb.)			Remarks Restrictions, Requirements
		Front	Rear	Total	
ABA	Seat Configuration (Split Bench Rows 2/3)	2.2 (4.8)	8.2 (18.1)	10.4 (22.9)	1UN06
ABB	Seat Configuration (Rr. Buckets Rows 2/3)	3.0 (6.6)	-2.3 (-5.1)	0.7 (1.5)	1UM06
ABB	Seat Configuration (Rr. Buckets Rows 2/3)	5.2 (11.5)	5.8 (12.8)	11.0 (28.3)	1UN06
AG1	Adjuster Frt. Seat Power 6-Way Driver	0.4 (0.9)	0.4 (0.9)	0.8 (1.8)	
AN2	Integral Child Seat, One	0.8 (1.8)	2.2 (4.8)	3.0 (6.6)	
AN5	Integral Child Seats, Two	1.6 (3.5)	5.2 (11.5)	6.8 (15.0)	With Seat Configuration ABA
AN5	Integral Child Seats, Two	2.4 (5.3)	6.4 (14.1)	8.8 (19.4)	With Seat Configuration ABB
AP9	Convenience Net	0.0 (0.0)	0.2 (0.4)	0.2 (0.4)	1UM06 / 1UN06 (Std. 1UM16)
AU0	Remote Entry Lock Control	0.2 (0.4)	0.0 (0.0)	0.2 (0.4)	1UM06 / 1UN06 (Std. 1UM16)
A31	Power Windows	0.8 (1.8)	0.6 (1.3)	1.4 (3.1)	1UM06 / 1UN06 (Std. 1UM16)
BG9	Floor Covering, Rubber	1.0 (2.2)	1.4 (3.1)	2.4 (5.3)	Req. Cargo Van (Z10)
C34	Frt./Rr Air Conditioner/Heater System	5.0 (11.0)	11.4 (25.1)	16.4 (36.1)	
C79	Roof Rail Lamps	0.2 (0.4)	0.2 (0.4)	0.4 (0.9)	1UM06 / 1UN06 (Std. 1UM16)
E58	Power Sliding Door	-0.2 (-0.4)	9.0 (19.8)	8.8 (19.4)	

* Also see Engine - General Section for dressed engine mass (weight.)

MVMA Specifications
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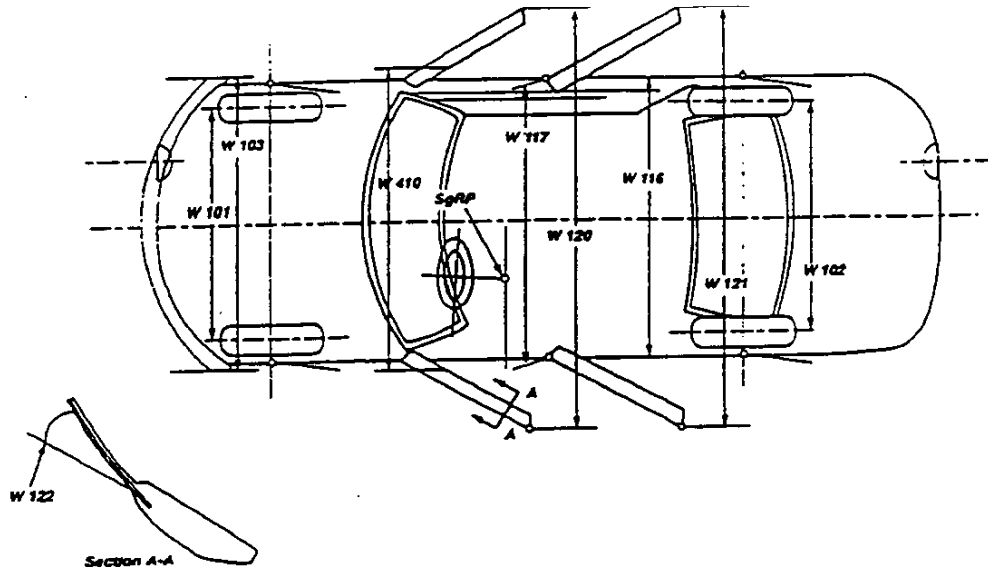
		Optional Equipment Differential Mass (weight)*			
Code	Equipment	MASS. kg. (lb.)			Remarks Restrictions, Requirements
		Front	Rear	Total	
G67	Automatic Level Control	1.0 (2.2)	5.6 (12.3)	6.6 (14.5)	
KC4	Cooling System, Engine Oil	2.2 (4.8)	-0.2 (-0.4)	2.0 (4.4)	Req. Trailer Provisions (V92)
KG9	Generator, 140 Amp	1.8 (4.0)	0.0 (0.0)	1.8 (4.0)	Req. Fr/Rr A/C (C34)
K05	Engine Block Heater	0.2 (0.4)	0.0 (0.0)	0.2 (0.4)	
K34	Cruise Control	1.0 (2.2)	0.2 (0.4)	1.2 (2.6)	1UM06 / 1UN06 (Std. 1UM16)
NW9	Traction Control	2.0 (4.4)	0.8 (1.8)	2.8 (6.2)	
PH3	Cast Aluminum Wheels	-3.4 (-7.5)	-3.4 (-7.5)	-6.8 (-15.0)	
P42	Self - Sealing Tires	3.0 (6.6)	3.0 (6.6)	6.0 (13.2)	
UA6	Content Theft Deterrent System	0.2 (0.4)	0.0 (0.0)	0.2 (0.4)	
UK6	Rear Seat Radio Controls	0.2 (0.4)	0.4 (0.9)	0.6 (1.3)	
UL0	AM/FM Stereo Cassette Auto Tone	0.8 (1.8)	0.0 (0.0)	0.8 (1.8)	1UM06 / 1UN06 (Std. 1UM16)
UM6	AM/FM Stereo Cassette	0.6 (1.3)	0.4 (0.9)	1.0 (2.2)	1UM06 / 1UN06
UN0	AM/FM Stereo CD	0.8 (1.8)	0.0 (0.0)	0.8 (1.8)	
UX6	Speaker System, Front Dual	1.8 (4.0)	0.2 (0.4)	2.0 (4.4)	Req. Cargo Van (Z10)
UZ5	Speaker System (4) Coaxial	0.4 (0.9)	0.4 (0.9)	0.8 (1.8)	1UM06 / 1UN06 (Std. 1UM16)
VK3	License Plate Front Mtg. Pkg.	0.2 (0.4)	0.0 (0.0)	0.2 (0.4)	
V08	Heavy Duty Radiator	2.8 (6.2)	-0.2 (-0.4)	2.6 (5.7)	Req. Trailer Provisions (V92)

* Also see Engine - General Section for dressed engine mass (weight.)

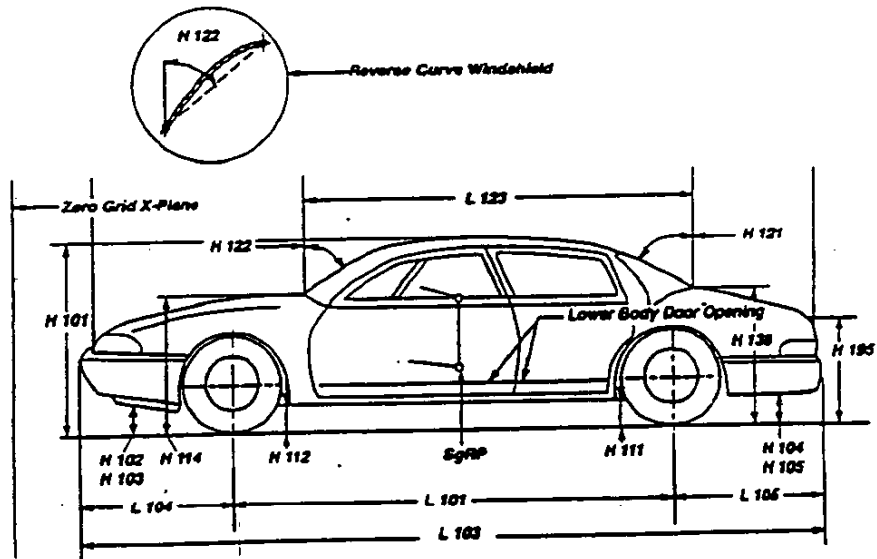
Specifications METRIC

Exterior Vehicle And Body Dimensions - Key Sheet

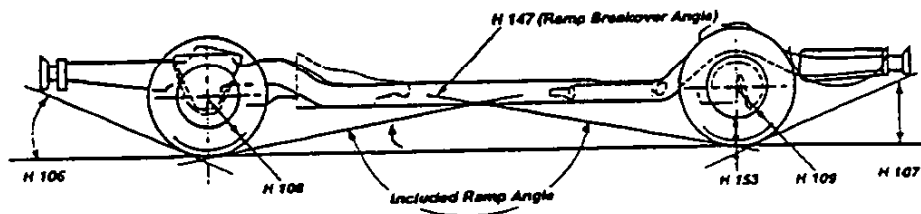
Exterior Width Dimensions



Exterior Length & Height Dimensions



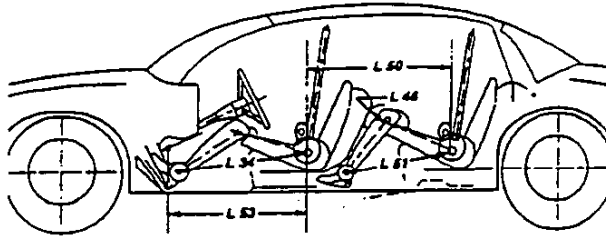
Ground Clearance Dimensions



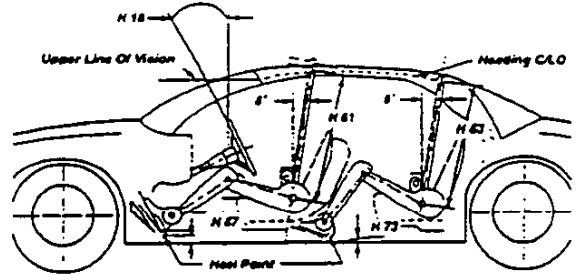
Specifications METRIC

Interior Vehicle And Body Dimensions - Key Sheet

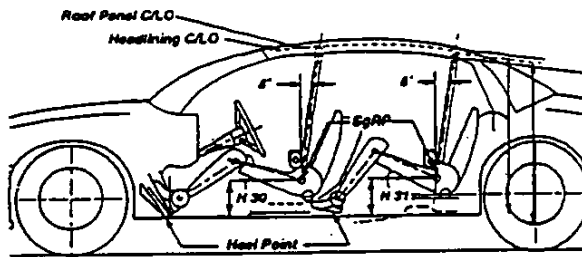
Interior Length Dimensions



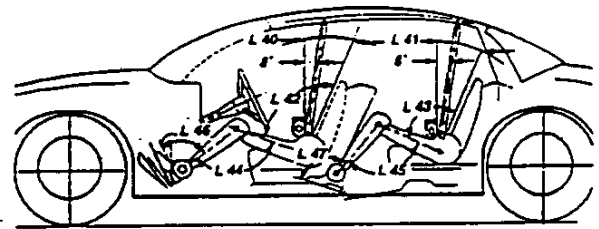
Interior Height Dimensions



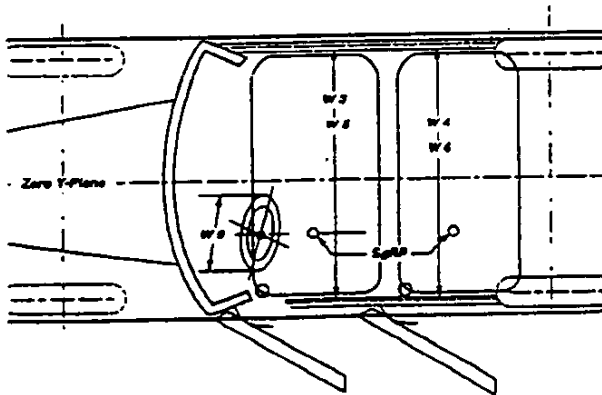
Interior Height Dimensions



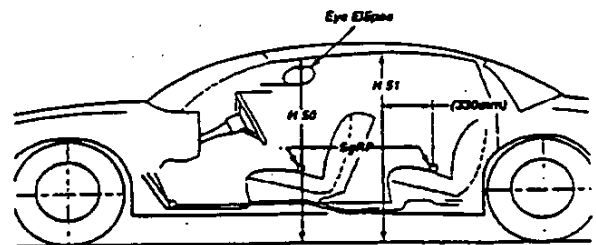
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Interior Width Dimensions



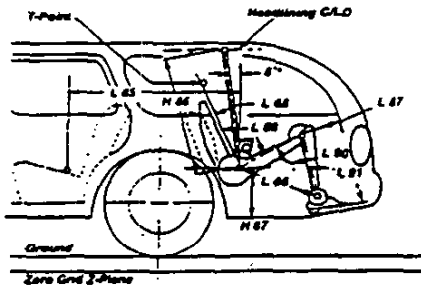
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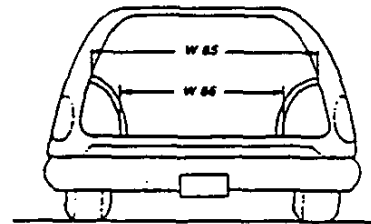
Specifications METRIC

Interior Vehicle And Body Dimensions - Key Sheet

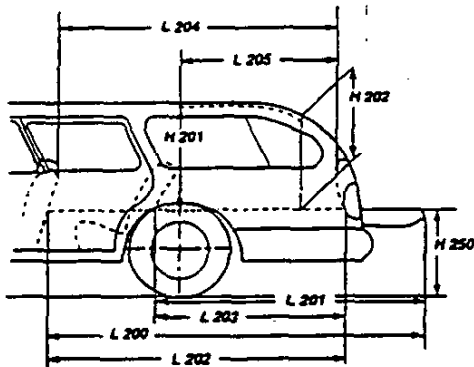
Interior Dimensions, Sedan Wagon Third Seat



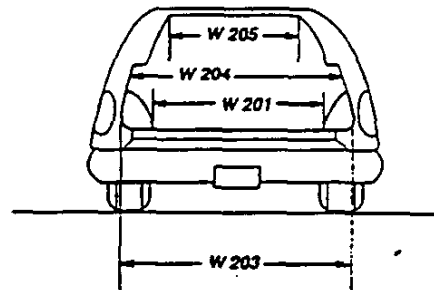
Interior Dimensions



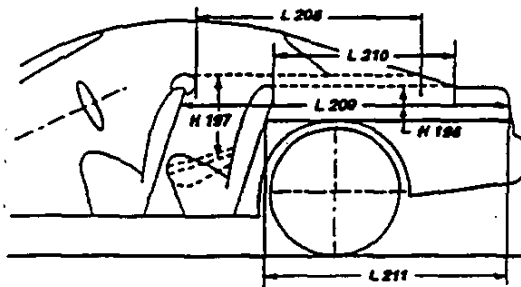
Cargo Space Dimensions



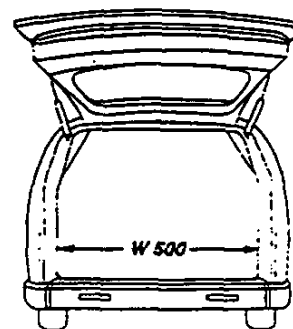
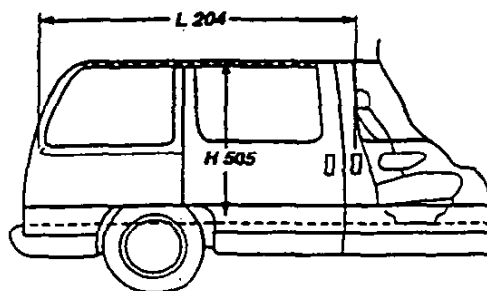
Cargo Space Dimensions



Cargo Space Dimensions



Multipurpose Vehicle Cargo Space



Specifications

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Exterior Vehicle And Body Dimensions - Key Sheet

Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which -

- (a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
- (b) Has coordinates established relative to the design vehicle structure;
- (c) Simulates the position of the pivot center of the human torso and thigh; and
- (d) is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Devices for Use in Defining and Measuring Vehicle Seating Accommodations."

Width Dimensions

- W101 TREAD-FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD-REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W117 BODY WIDTH AT SgRP-FRONT. The dimension measured laterally between the widest points on the body at the SGRP-front, excluding door handles, applied moldings, or appliques.
- W120 VEHICLE WIDTH-FRONT DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position.
- W121 VEHICLE WIDTH-REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.
- W122 TUMBLE-HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.
- W410 OUTSIDE MIRROR WIDTH: The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" plane.

Length Dimensions

- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerline. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.
- L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L104 OVERHANG-FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hook and/or rub strips, if standard equipment.
- L105 OVERHANG-REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.

- L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
- L127 REAR WHEEL CENTERLINE "x" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H111 ROCKER PANEL-REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
- H112 ROCKER PANEL-FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.
- H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield arc running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in.) long drawn from the lower DLO to the intersecting point on the windshield.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H109 STATICLOAD-TIRE RADIUS-REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

Ground Clearance Dimensions

- H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.
- H103 FRONT BUMPER TO GROUND-CURB MASS(WT.). Measured in the same manner as H102.
- H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.
- H105 REAR BUMPER TO GROUND-CURB MASS(WT.). Measured in the same manner as H104.
- H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius arc and the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.
- H107 ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius arc and the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.
- H147 RAMP BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.
- H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.
- H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

Specifications

METRIC

Interior Vehicle And Body Dimensions - Key Sheet

Dimensions Definitions

Glass Areas

S1	Windshield area.
S2	Side windows area. Includes the front door, rear door, vents, and rear quarter windows on both sides of the vehicle.
S3	Backlight areas.
S4	Total area. Total of all areas (S1 + S2 + S3).

Fiducial Mark Dimensions

Fiducial Mark - Number 1	
L54	"X" coordinate.
W21	"Y" coordinate.
H81	"Z" coordinate.
H161	Height "Z" coordinate to ground at curb weight.
H163	Height "Z" coordinate to ground.
Fiducial Mark - Number 2	
L55	"X" coordinate.
W22	"Y" coordinate.
H82	"Z" coordinate.
H162	Height "Z" coordinate to ground at curb weight.
H164	Height "Z" coordinate to ground.

Front Compartment Dimensions

L11	ACCELERATOR WHEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.
L17	DESIGN-H-POINT-FRONT TRAVEL. The dimension measured horizontally between the design H-point-front in the foremost and rearmost seat track positions. (See SAE J1100)
L23	NORMAL DRIVING AND RIDING SEAT TRACK TRAVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100).
L31	SgRP-Front. "X" Coordinated.
L34	MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP-front plus 254 mm (10.0 in.) measured with right foot on the underdepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.
L40	BACK ANGLE-FRONT. The angle measured between a vertical line through the SgRP-front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.
L42	HIP ANGLE-FRONT. The angle measured between torso line and thigh centerline.
L44	KNEE ANGLE-FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.
L46	FOOT ANGLE-FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826.
L53	SgRP-FRONT TO HEEL. The dimension measured horizontally from the SgRP-front to the accelerator heel point.
W3	SHOULDER ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP-front at height between the belt line and 254 mm (10.0 in.) above the SgRP-front, excluding the door assist strap and attaching parts.

W5	HIP ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP-front within 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP-front and 76 mm (3.0 in.) fore and aft of the SgRP-front.
W9	STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.
H7	ACCELERATOR HEEL POINT TO THE STEERING WHEEL CENTER. The dimension measured vertically from the AHP-front to the intersection of the steering column centerline to a plane tangent to the upper surface of the steering wheel rim.
H18	STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
H30	SgRP-FRONT TO HEEL. The dimension measured vertically from the SgRP-front to the accelerator heel point.
H50	UPPER BODY OPENING TO GROUND-FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP-front "X" plane.
H61	EFFECTIVE HEAD ROOM-FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP-front to the headlining plus 102 mm (4.0 in.).
H67	FLOOR COVERING THICKNESS - UNDEPRESSED - FRONT. The dimension measured vertically from the surface of the underdepressed floor covering to the underbody sheet metal at the accelerator heel point.

Rear Compartment Dimensions

L41	BACK ANGLE-SECOND. The angle measured between a vertical line through the SgRP-second and the torso line.
L43	HIP ANGLE-SECOND. The angle measured between torso line and thigh centerline.
L45	KNEE ANGLE-SECOND. The angle measured between thigh centerline and lower leg centerline.
L47	FOOT ANGLE-SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).
L48	KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in.).
L50	SgRP COUPLE DISTANCE-SECOND. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.
L51	MINIMUM EFFECTIVE LEG ROOM-SECOND. The dimension measured along a line from the ankle pivot center to the SgRP-second plus 254 mm (10.0 in.).
W4	SHOULDER ROOM-SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP-second at height between 254-406 mm (10.0-16.0 in.) above the SgRP-second, excluding the door assist straps and attaching parts.
W6	HIP ROOM-SECOND. Measured in the same manner as W5.
H31	SgRP-SECOND TO HEEL. The dimension measured vertically from the SgRP-second to the two dimensional device heel point on the depressed floor covering.
H51	UPPER BODY OPENING TO GROUND-SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP-second.
H63	EFFECTIVE HEAD ROOM-SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).
H73	FLOOR COVERING-DEPRESSED-SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.

Specifications

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Interior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

Luggage Compartment Dimensions

V1 USABLE LUGGAGE CAPACITY-Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100a.

Interior Volumes (EPA Classification)

The Interior Index is listed for each body style except two seaters. The Interior Volume Index estimates the space in a car. It is based on four measurements - head room, shoulder room, hip room, and leg room - for the front and rear seats, plus trunk capacity.

The Trunk/Cargo Index is an estimate of the size of the trunk/cargo space. In station wagons and hatchbacks it is an estimate of the space behind the second seat.

Station Wagon/MPV - Third Seat Dimensions

- L85 SgRP COUPLE DISTANCE-THIRD. The dimension measured horizontally from the SgRP-second to the SgRP-third.
- L86 EFFECTIVE LEG ROOM-THIRD. The dimension measured along a line from the ankle pivot center to the SgRP-third plus 254 mm (10.0 in).
- L87 KNEE CLEARANCE-THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51 mm (2.0in.). With rear-facing third seat, dimension is measured to closure.
- L88 BACK ANGLE-THIRD. Measured in the same manner as L41.
- L89 HIP ANGLE-THIRD. Measured in the same manner as L43.
- L90 KNEE ANGLE-THIRD. Measured in the same manner as L45.
- L91 FOOT ANGLE-THIRD. Measured in the same manner as L47.
- W85 SHOULDER ROOM-THIRD. Measured in the same manner as W4.
- W86 HIP ROOM-THIRD. Measured in the same manner as W5.
- H86 EFFECTIVE HEAD ROOM-THIRD. The dimension, measured along a line 8 deg. from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
- H87 SgRP-THIRD TO HEEL POINT
- SD1 SEAT FACING DIRECTION-THIRD.

Station Wagon/MPV - Cargo Space Dimensions

- L200 CARGO LENGTH-OPEN-FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate at the zero "Y" plane.
- L201 CARGO LENGTH-OPEN-SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

- L202 CARGO LENGTH-CLOSED-FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L203 CARGO LENGTH-CLOSED-SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L204 CARGO LENGTH AT BELT-FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel at the height of the belt, on the zero "Y" plane.
- L205 CARGO LENGTH AT BELT-SECOND. The minimum dimension measured horizontally from the back of the second seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.
- W201 CARGO WIDTH-WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure to the sheet metal.
- W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.
- W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.
- W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.
- W500 CARGO WIDTH AT FLOOR. The maximum dimension measured laterally between the limiting interferences at the floor level. This dimension shall include ribs and pillars, but will exclude wheelhouses.
- H197 FRONT SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.
- H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinate on the zero "Y" plane.
- H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.
- H250 TAILGATE TO GROUND CURB MASS (WT.) The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.
- H505 MAXIMUM CARGO HEIGHT. The maximum vertical dimension rear of the front seat from the cargo floor to roof bow or headlining at the zero "Y" plane.

Specifications

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Interior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

<p>V2 STATION WAGON Measured in inches:</p> $\frac{W4 \times H201 \times L204}{1728} - ft^3$ <p>Measured in mm:</p> $\frac{W4 \times H201 \times L204}{10^9} - m^3(cubicmeter)$	<p>L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.</p> <p>L209 CARGO LENGTH AT FLOOR-FRONT. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.</p> <p>L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback or the load floor which is towed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "X" plane.</p>
<p>V4 HIDDEN LUGGAGE CAPACITY-REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.</p> <p>V5 TRUCKS AND MPV'S WITH OPEN AREA. Measured in inches:</p> $\frac{L506 \times W505 \times H503}{1728} - ft^3$ <p>Measured in mm:</p> $\frac{L506 \times W500 \times H503}{10^9} - m^3(cubicmeter)$	<p>L211 CARGO LENGTH AT FLOOR-SECOND SEATBACK. The minimum horizontal dimension measured at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.</p> <p>H197 FRONT SEATBACK TO LOAD HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.</p> <p>H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the second seatback to the undepressed floor covering.</p>
<p>V6 TRUCKS AND MPV'S WITH CLOSED AREA. Measured in inches:</p> $\frac{L204 \times W500 \times H505}{1728} - ft^3$ <p>Measured in mm:</p> $\frac{L204 \times W500 \times H505}{10^9} - m^3(cubicmeter)$	<p>V3 HATCHBACK. Measured in inches:</p> $\frac{L208 - L209}{2} \times W4 \times H197 - ft^3$ <p>Measured in mm:</p> $\frac{L208 - L209}{2} \times W4 \times H197 - m^3(cubicmeter)$
<p>V8 HIDDEN LUGGAGE CAPACITY-REAR OF SECOND SEAT. The total volume of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the second seat.</p> <p>V10 STATION WAGON CARGO VOLUME INDEX. Measured in inches:</p> $\frac{H201 \times L205 \times \frac{W4 - W201}{2}}{1728} - ft^3$ <p>Measured in mm:</p> $\frac{H201 \times L205 \times \frac{W4 - W201}{2}}{10^9} - m^3(cubicmeter)$	<p>V4 HIDDEN LUGGAGE CAPACITY-REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.</p> <p>V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor: Measured in inches:</p> $\frac{L210 - L211}{2} \times W4 \times H198 - ft^3$ <p>Measured in mm:</p> $\frac{L210 - L211}{2} \times W4 \times H198 - m^3(cubicmeter)$

Hatchback - Cargo Space Dimensions

All Hatchback cargo dimensions are to be taken with the front seat in full down and rear position, and the rear seat folded down. The hatchback door is in the closed position. (For electronically adjusted seats, see the manufacturer's specifications for Design "H" Point).

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CHEVROLET VENTURE

MODEL SELECTION SUMMARY

Use the chart below to choose the model that fits your customer's needs. Please note that the Base Payloads shown reflect the maximum allowable weight of cargo that can be carried in a standard model, including occupants. (They are calculated by subtracting curb weight from GVWR.) Also, the Maximum Trailer Weights shown below are based on vehicles that are properly equipped. See your Chevrolet Truck Order Guide for specific details.

MODEL NUMBER/ BODY CODE/ OPTION CODE	PASSENGER CAPACITY (STD./OPT.)	STANDARD ENGINE/ TRANS.	OPTIONAL ENGINE/ TRANS.	GVWR (LB)	GAWR (LB) FRONT/ REAR	BASE PAYLOAD (LB)	MAXIMUM TRAILER WT./ TONGUE LOAD (LB) PROPERLY EQUIPPED
CHEVROLET VENTURE							
1UN06 REGULAR LENGTH 3-DR	7/—	3400 V6/A4	—	5357	2725/2679	1422	3500 / 350
1UM06 EXTENDED LENGTH 3-DR	7/—	3400 V6/A4	—	5357	2787/2679	1301	3500 / 350
1UM16 EXTENDED LENGTH 4-DR	7/—	3400 V6/A4	—	5357	2787/2679	1444	3500 / 350

POWERTRAINS

Chevrolet offers one engine and one transmission for the 1997 Chevrolet Venture. The following charts detail basic engine and transmission specifications. See your 1997 Chevrolet Truck Order Guide for details.

ENGINE	
ENGINE	3400 V6
Order Code	LA1
SAE Net Horsepower @ rpm	180 @ 5200
SAE Net Torque lb-ft @ rpm	205 @ 4000
Fuel System	SFI
Standard Battery Cold Cranking Amps @ 0° F	600
Standard Alternator Maximum Capacity (Amps)	105

TRANSMISSION	
TRANSMISSION	AUTOMATIC 4-SPEED W/OD (4T60E)
Order Code	MX0
Gear Ratios	
First	2.92
Second	1.57
Third	1.00
Fourth	0.71
Reverse	2.39
Available Axle Ratios	
Standard	3.29
Optional	—

CHEVROLET VENTURE INTRODUCTION

CHEVROLET VENTURE

The 1997 Chevrolet Venture Front Wheel Drive van is all new. The Chevrolet Venture is available in Regular and Extended wheelbase models. There is also an extended wheelbase model available with dual sliding doors.

Features on the all new 1997 Venture include:

- Standard Dual Front Air Bags
 - Standard 4-Wheel Anti-Lock Brakes
 - 100,000 mile Platinum Tip Spark Plugs
 - 5 year/150,000 mile Coolant Change Interval
 - Dextron III Transmission fluid (fill for life)
 - Battery Run Down Protection
 - Standard Power Locks (with programmable ADL)
 - Standard Floor Mats
 - Standard 180HP 3400 SFI V6 Engine (LA1) and 4-speed Automatic Transmission (MX0) with fuel economy and performance superior to van engines of similar size
 - Loss of Coolant Limp Home feature
 - Standard Daytime Running Lights with Automatic Headlight Control
 - Standard 4-Way Manual Driver's Seat
 - Optional 6-way power Driver's seat
 - Optional Traction Control System
 - Standard Front Air Conditioning
 - New Fold Forward Driver's Seatback
 - Standard Rear Dual Side Cargo Nets and front Seat Convenience Net
 - Standard Body Side Molding
 - Ten Exterior Colors
 - Three Interior Colors
-

CHEVROLET VENTURE

INTERIOR EQUIPMENT (CONT.)		REG. 3-DR	EXT. 3-DR	EXT. 4-DR
KEY: ■ = STANDARD, -- = NOT INCLUDED				
COAT HOOK	RH and LH.	■	■	■
CONSOLE	Center with open and closed storage areas.	■	■	■
CONVENIENCE/CARGO NETS	Front seat convenience and rear side panel cargo.	■	■	■
DOOR TRIM	Color-keyed with cloth upper and carpeted lower panels. Includes Map pockets and Scotchgard™ Fabric Protector.	■	■	■
FILTER	Pollen filter, box is located behind glove box.	■	■	■
FLOOR COVERING	Full floor carpeting.	■	■	■
FLOOR MATS	Color-keyed front and rear carpeted mats.	■	■	■
GAGES	Speedometer, odometer, fuel level, engine temperature, trip odometer and additional indicator lights.	■	■	■
GLOVE BOX	Lockable.	■	■	■
HEADLINER	Lt. gray.	■	■	■
LAMPS	O/H console, dome, rear cargo, underhood, glove box, and ashtray.	■	■	■
MIRROR	10-inch rearview w/day night feature.	■	■	■
OVERHEAD CONSOLE	Includes storage compartment and lamps.	■	■	■
RADIO	Electronically tuned AM/FM stereo radio w/ digital clock, auto tone control (ATC), cassette and F&R coaxial speakers. Electronically tuned AM/FM stereo radio w/ digital clock, (Antenna is windshield integrated)	—	—	■
SEATS	2 front buckets, 2nd row 2 passenger 40/60 split bench, and 3rd row 3 passenger 50/50 split bench. (includes Scotchgard™ Fabric Protector) 2 front buckets, 2nd row 2 passenger solid bench, 3rd row 3 passenger solid bench. (includes Scotchgard™ Fabric Protector)	—	■	■
SEAT TRIM	Custom on LS. (Includes manual adjustable lumbar on driver's seat.)	—	—	■
SHOULDER BELTS	Adjustable height front row	■	■	■
STEERING WHEEL	Deluxe	■	■	■
SUNSHADES	RH and LH visors with mirrors and map straps.	■	■	■
TURN SIGNAL	Has "ON" Reminder chime.	■	■	■
WINDOWS	Manual driver/passenger front, manual swingout rear. Power w/driver express down front, manual swingout rear.	■	■	—
WINDSHIELD WIPERS	Front intermittent.	■	■	■

CHEVROLET VENTURE

TRIM LEVELS

The following chart details major standard features. See your 1997 Chevrolet Truck Order Guide for more details.

CHASSIS EQUIPMENT		REG. 3-DR	EXT. 3-DR	EXT. 4-DR
KEY: ■ = STANDARD, — = NOT INCLUDED				
BATTERY	600CCA. (Includes run down protection)	■	■	■
BRAKES	Power-assisted, front disc, rear drum; with four-wheel anti-lock system. Includes brake/transmission shift interlock.	■	■	■
COOLANT	Extended Life 5-year/150,000 mile. (DEXCOOL) (Includes Loss of Coolant Limp Home feature)	■	■	■
EXHAUST	Single, stainless steel.	■	■	■
FUEL TANK	20 gallon (approx.) capacity. 25 gallon (approx.) capacity.	■ —	— ■	— ■
FRAME	Ladder-Body Rail construction.	■	■	■
SHOCK ABSORBERS	Front: 32mm; Rear: 30mm.	■	■	■
SPARK PLUGS	Extended Life.	■	■	■
STABILIZER BAR	Front: 34mm; Rear: 36mm.	■	■	■
STEERING	Integral Power Rack and Pinion with Variable assist. (Ratio 17.5:1)	■	■	■
SUSPENSION, FRONT	Independent with Delco struts and coil springs.	■	■	■
SUSPENSION, REAR	Trailing twist axle design with coil springs.	■	■	■

EXTERIOR EQUIPMENT				
ANTENNA	Integrated in front windshield.	■	■	■
BUMPERS	Body color, front and rear.	■	■	■
DOORS	Sliding RH side door with flip-out glass. Dual Sliding Side. (Includes high strength steel side door guard beams in front and side sliding doors)	■ —	■ —	— ■
GLASS	Tinted. (Windshield is solar coated.)	■	■	■
GRILLE	Chrome.	■	■	■
HEADLAMPS	Composite halogen.	■	■	■
HORN	Dual.	■	■	■
KEYLESS ENTRY	Remote.	—	—	■
LIFTGATE, REAR	One piece with fixed glass.	■	■	■
LOCKS	Power w/sliding door delay (with programmable ADL) (Includes Child Safety Lock on sliding door)	■	■	■
MIRRORS	Power Remote LH/RH black, head size: 39 square inches.	■	■	■
MOLDINGS	Body side moldings.	■	■	■
SPARE TIRE/WHEEL	Compact, with underbody spare tire carrier.	■	■	■
STOP LAMP	Center high-mounted.	■	■	■
TIRES	Four, all-season steel-belted radial blackwall P205/70R15. Four, all-season steel-belted radial blackwall P215/70R15.	■ —	— ■	— ■
WHEELS	Four 15.0" x 6.0" steel wheels with full bolt-on covers, bright lug nuts.	■	■	■
WINDSHIELD WIPER, REAR	Rear window wiper/washer with delay feature.	■	■	■

INTERIOR EQUIPMENT				
AIR BAG*	Driver and passenger.	■	■	■
AIR CONDITIONING	Front.	■	■	■
AUXILIARY POWER POINTS	Located in left rear wheelhouse stowage compartment behind the wheelhouse cover and in I/P center console.	■	■	■
ARMRESTS	RH and LH front door, inboard side of front seats, 2nd row and 3rd row side wall trim, and RH outboard side of 2nd row bench seats.	■	■	■
CIG. LIGHTER/ASHTRAY	Located in center console.	■	■	■

*Always wear your safety belts.

CHEVROLET VENTURE

DIMENSIONS

MODEL	REGULAR LENGTH	EXTENDED LENGTH
MODEL NUMBER	1UM00	1UM06 & 1UM16
EXTERIOR DIMENSIONS		
BODY		
Wheelbase (in.)	112.0	120.0
Overall Length (in.)	186.9	200.9
Overall Height (in.) Nominal	67.4	68.1
Maximum Width (in.)	72.0	72.0
Bumper to Axle (in.)		
Front	36.9	36.8
Rear	38.0	44.1
Ground to Top of Rear Load Floor (in.)	24.0	25.0
Ground Clearance (in.)		
Front	8.3	8.5
Rear	10.4	11.0
Side Load Doors		
Opening Height (in.)	44.0	44.0
Opening Width (in.)	29.4	32.0
Rear Load Door		
Opening Height (in.)	40.7	40.7
Opening Width above Beltline (in.)	43.0	43.0
Opening Width at Beltline (in.)	51.4	50.5
Track Width (in.)		
Front / Rear	61.5/63.3	61.5 / 63.3
Turning Diameter Curb-to-Curb (ft)	37.4	39.7

INTERIOR DIMENSIONS		
Headroom (in.)		
Front/Middle/Rear	39.9/39.3/38.8	39.9/39.3/38.9
Legroom (in.)		
Front/Middle/Rear	39.9/36.9/34.0	39.9/39.0/36.7
Shoulder Room (in.)		
Front/Middle/Rear	59.8/61.9/60.1	59.8/61.9/59.6
Hip Room (in.)		
Front/Middle/Rear	55.5/60.4/48.3	55.5/60.4/48.3
Knee Clearance (in.)		
Front/Middle/Rear	—/2.1/1.6	—/4.5/3.7
Cargo Volume (cu ft)		
w/Front Seat	126.6	148.3
w/Front Seat & Left Side Sliding Door	—	155.9
w/Front/Middle Seats (max.)	42.8	54.7
w/Front/Middle/Rear Seats (max.)	16.3	24.2
Load Floor Length (in.)		
w/Front Seat	86.1	100.0
w/Front/Middle Seats (max.)	50.7	62.4
w/Front/Middle/Rear Seats (max.)	18.1	26.9
Interior Width		
between Wheelhousings (in.)	48.3	48.3
Front Seat Walk Through (in.)	8.3	8.3
Interior Height (in.)	45.8	45.1

¹3-door dimension shown; 4-door is 64.3

CHEVROLET VENTURE

PREFERRED EQUIPMENT GROUPS

Preferred Equipment Groups (PEGs) are convenient option packages. See your 1997 Chevrolet Truck Order Guide and Vehicle Price Schedule for specific information and prices.

OPTIONS

These options can be ordered individually in addition to the Preferred Equipment Groups if not already included. See your 1997 Chevrolet Truck Order Guide for specific availability and restrictions. The Option Code is listed in **bold type**.

<i>Air Conditioning,</i>	
<i>Front and Rear</i>	C34
<i>Carrier, Luggage - Roof</i>	V54
<i>Defogger, Rear Window</i>	
<i>Electric</i>	C49
<i>Door, Power Sliding</i>	E58
<i>Emissions:</i>	
<i>Federal</i>	FE9
<i>California</i>	YF5
<i>Massachusetts/New York</i>	NG1
<i>Cal./Massachusetts/New York</i>	
<i>Emissions/Override</i>	NB8
<i>Federal Emission Override</i>	NC7
<i>Glass, Deep-Tinted</i>	
<i>(includes "B" pillar blackout</i>	
<i>treatment)</i>	AJ1
<i>Heater, Engine Block</i>	K05
<i>License Plate Bracket, Front</i>	VK3
<i>Radio Equipment</i>	
<i>Electronically Tuned AM/FM</i>	
<i>Stereo Radio w/Seek Feature,</i>	
<i>Digital Clock, Stereo Cassette</i>	UM6

<i>Electronically Tuned AM/FM</i>	
<i>Stereo Radio w/Seek-Scan, Auto Tone</i>	
<i>Control, Digital Clock, Compact Disc</i>	
<i>Player, Theft Lock, Speed</i>	
<i>Compensated Volume and front</i>	
<i>and rear coaxial speakers</i>	UNO
<i>Electronically Tuned AM/FM</i>	
<i>Stereo Radio w/Seek-Scan, Cassette</i>	
<i>Tape w/ Auto Reverse, Auto Tone</i>	
<i>Control, Digital Clock, Remote</i>	
<i>Compact Disc Player, Theft Lock,</i>	
<i>Speed Compensated Volume</i>	
<i>and front and rear coaxial</i>	
<i>speakers</i>	UN7
<i>Rear Seat Audio Controls w/ Earphone</i>	
<i>Jacks</i>	UK6
<i>Safety & Security System</i>	
<i>(Includes P42 Tires and Theft</i>	
<i>Deterrent System)</i>	R7D
<i>Seat, 6-way power</i>	
<i>(driver only)</i>	AG1
<i>Seats,</i>	
<i>Cloth bucket seats</i>	AR9

<i>Seating Arrangements,</i>	
<i>Seven passenger Folding Split Back</i>	
<i>rear seating</i>	ABA
<i>Seven Passenger Rear bucket</i>	
<i>Seats</i>	ABB
<i>One Integral Child Seat</i>	AN2
<i>Dual Integral Child Seats</i>	AN5
<i>Suspension,</i>	
<i>Touring (Includes Load Leveling</i>	
<i>Suspension, inflator with onboard</i>	
<i>air capabilities and Touring Radial</i>	
<i>Tires)</i>	FE3
<i>Tires</i>	
<i>P215/70R15 Touring</i>	XPU
<i>P215/70R15 Self sealing</i>	P42
<i>Trailer package</i>	
<i>includes 5-lead wiring harness, load</i>	
<i>leveling suspension, heavy-duty turn</i>	
<i>signal flasher and heavy-duty</i>	
<i>cooling system</i>	V92
<i>Traction Control</i>	NW9
<i>Wheels</i>	
<i>15" Cast Aluminum Wheels</i>	PH3