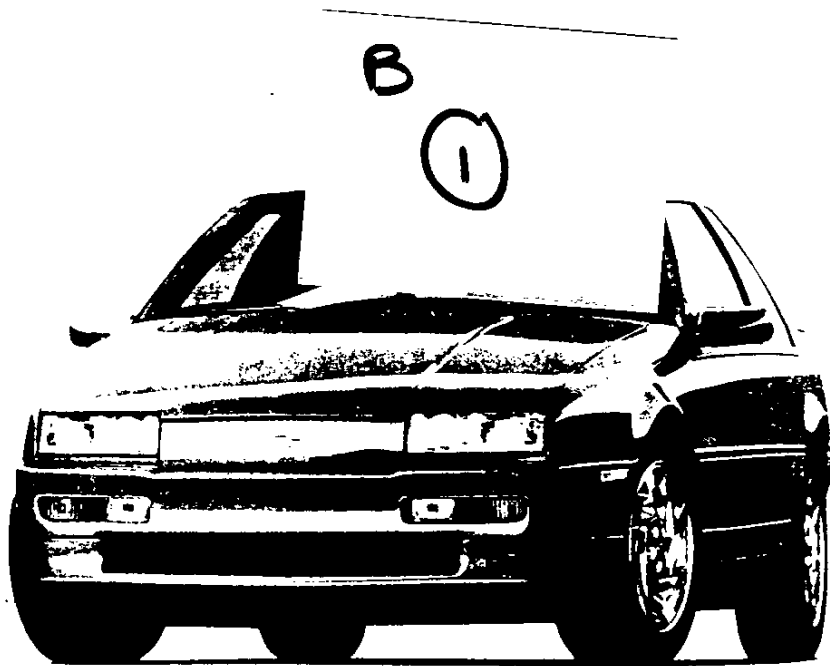


# 1996 BERETTA

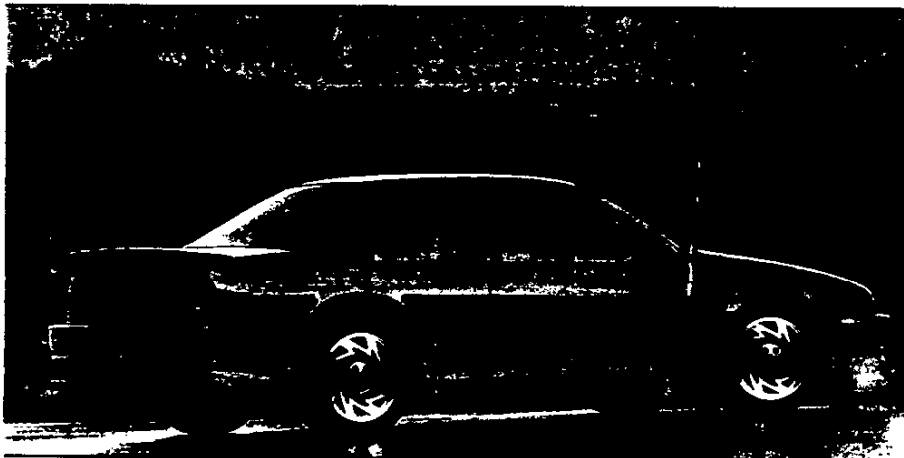


GENUINE CHEVROLET

96

Dealer Order Guide

# Beretta



## Feature Vehicle



for 1996 is the Beretta Z26 Coupe. This affordable coupe will entice the sports car enthusiast with its powerful 3100 V6 engine, smooth-shifting 4-speed electronically controlled automatic transmission and a specially tuned suspension.



## Focus Vehicle



for 1996 is the Beretta Coupe. This stylish coupe boasts such standard features as a driver air bag, a responsive 2.2 Liter engine and an owner-pleasing Bumper to Bumper limited warranty with no deductible. When equipped with the recommended V6 Special Value Package (1SM), this model will lead the way to high-volume Beretta sales at your dealership.

S. P. A. C. E.

BLUE = New '96 feature.

### SAFETY AND SECURITY



• **DRIVER AIR BAG** — helps reduce the chance of injury in certain moderate to severe frontal collisions. • **4-WHEEL ANTI-LOCK BRAKE SYSTEM (ABS)** — helps reduce wheel lockup and helps driver maintain steering control during severe braking, even on slippery surfaces. • **DAYTIME RUNNING LAMPS** — automatically brighten headlamps to low intensity when ignition is turned on, increasing vehicle's visibility to other drivers. Headlamps operate normally at night. • **BRAKE/TRANSMISSION SHIFT INTERLOCK** — prevents transmission from being shifted out of Park without first applying brake (automatic transmission only).

Continued

- **SMART BATTERY-RUNDOWN PROTECTION** — Run-down protection helps prevent a dead battery.
- **STANDARD POWER DOOR LOCKS WITH AUTOMATIC LOCKING/UNLOCKING FEATURE** — automatically locks doors when vehicle is shifted out of Park and unlocks when ignition is turned to the Off position.
- **REAR-SEAT SAFETY BELT CHILD COMFORT GUIDES** — provide comfortable placement of safety belt for smaller rear-seat occupants.



### PERFORMANCE

• **2.2 LITER 4-CYLINDER ENGINE WITH MULTI-PORT FUEL INJECTION IS STANDARD** — this smooth, responsive engine delivers an impressive 120 hp at 5200 rpm. • **PLATINUM-TIP SPARK PLUGS** — designed to last up to 100,000 miles\* on both 4-cylinder and V6 engines. A 5-speed manual transmission is also standard. • **OPTIONAL 3100 V6 WITH SEQUENTIAL-PORT FUEL INJECTION** — this V6 delivers 155 hp at 5200 rpm, and is teamed with a 4-speed electronically controlled automatic transmission for exceptionally smooth, quiet performance. • **POWER FRONT DISC/REAR DRUM BRAKES** — provide sure stopping power with minimal pedal effort. • **STANDARD POWER STEERING** — power rack-and-pinion steering makes in-city parking and maneuvering easier.



### APPEARANCE

• **BASE-COAT/CLEAR-COAT PAINT** — resists fading and provides a high-gloss shine for long-lasting exterior beauty. • **TWO-SIDE-GALVANIZED STEEL** — provides excellent corrosion protection for all exterior panels (except the roof). • **BODY-COLOR BODYSIDE MOLDINGS** — help protect against minor dings and dents. • **GLOSS BLACK DOOR AND QUARTER-WINDOW MOLDINGS** — give a bold look to exterior. • **BOLT-ON FULL WHEEL COVERS** — attractive bolted-on design, reduces chance of loss or theft.



### COMFORT AND CONVENIENCE

• **SMART BATTERY-RUNDOWN PROTECTION** — Run-down protection helps prevent a dead battery. • **REAR-SEAT HEAT DUCTS** — provide better heat distribution to rear-seat passengers for increased comfort. • **OPTIONAL INSIDE DAY/NIGHT REARVIEW MIRROR WITH READING LAMPS** — allows for nighttime reading and provides convenient overhead illumination (standard on Z26). • **OPTIONAL LUGGAGE-AREA CONVENIENCE NET** — designed to keep items such as small packages and groceries secure within cargo area (standard on Z26). • **OPTIONAL INTERMITTENT WIPERS** — allow driver to match wiper speed to weather conditions (standard on Z26). • **DRIVER-SIDE 4-WAY MANUAL SEAT ADJUSTER** — allows precise positioning of seat for optimum comfort. • **THEATRE DIMMING OF INTERIOR LIGHTS** — fades slowly when doors are closed.



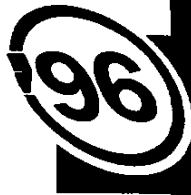
### EASY-TO-OWN

• **STAINLESS-STEEL EXHAUST SYSTEM** — includes all pipes, catalytic converter and muffler, to resist corrosion and increase life. • **LOW-OIL-LEVEL INDICATOR** — warns driver of low oil level, to prevent engine damage. • **LOW-COOLANT-LEVEL INDICATOR (V6 ONLY)** — warns driver of low-coolant level, to prevent engine damage. • **DEXRON III AUTOMATIC TRANSMISSION FLUID** — Never needs changing under normal driving conditions. • **LONG-LIFE COOLANT** — Increases life of engine coolant. • **SCOTCHGARD™ FABRIC PROTECTOR** — on seats, door trim, carpeting and floor mats; resists stains and makes cleanup easy. • **AIR CONDITIONING WITH R-134a REFRIGERANT** — quickly cools interior for maximum occupant comfort. • **GENUINE CUSTOMER CARE** — a non-deductible, 3-year/36,000-mile limited warranty, 24-hour roadside assistance via toll-free hot line, and courtesy transportation, if your vehicle ever needs warranty work, at participating dealers.

\*Maintenance needs vary with use and driving conditions.

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# Beretta

## Feature Vehicle

### Beretta Z26 Coupe

Feature vehicle for 1996 is the Beretta Z26 Coupe. This aggressive-looking model has an abundance of standard equipment:

- 3100 V6 engine with Sequential-Port Fuel Injection delivers power and performance, and is well-matched with the Level II Sport Suspension that provides exceptional ride and handling characteristics. Also features platinum-tip spark plugs designed to last up to 100,000 miles.
- The Z26 has several exterior features that enhance its sporty appearance, such as Body-Color Remote Sport Mirrors, Front Lower and Rear Deck-Lid Spoilers, Specific Ground Effects, Styled Exhaust Outlets and 15" Bolt-On Wheel Covers.
- On the inside, Beretta Z26 features Custom Cloth Sport Bucket Seats with Adjustable Articulating Head Restraints, Driver Seat with Inflatable Lumbar Support, Driver- and Passenger-Side 4-Way Manual Seat Adjusters, EZ-Entry Passenger Seat and a 60/40 Split-Folding Rear Seat to provide versatile, yet comfortable 5-passenger seating.

## Focus Vehicle

### Beretta Coupe

Ordering Recommendations:

Recommended Beretta Coupe content, based on national sales volume, is listed below to assist your dealership in ordering.

Beretta Coupe with V6 Special Value Package 1SM includes:

- 3100 V6 Engine with SFI
- 4-Speed Electronically Controlled Automatic Transmission
- Tilt-Wheel™ Adjustable Steering Column
- Intermittent Wipers
- AM/FM Stereo w/Cassette Tape Player
- Inside Day/Night Rearview Mirror with Reading Lamps
- Dual Covered Visor Mirrors
- Luggage-Area Convenience Net
- Rear Window Defogger
- Color-Keyed Front and Rear Carpeted Floor Mats with Scotchgard™ Fabric Protector.

Beretta Coupe with 4-Cylinder Special Value Package 1SF includes:

- 2.2 Liter I4 Engine with MFI
- 3-Speed Automatic Transmission
- Intermittent Wipers
- AM/FM Stereo w/Cassette Tape Player
- Inside Day/Night Rearview Mirror with Reading Lamps
- Dual Covered Visor Mirrors
- Luggage-Area Convenience Net
- Rear Window Defogger
- Color-Keyed Front and Rear Carpeted Floor Mats with Scotchgard™ Fabric Protector.

NOTE: Model, PEG and optional content may vary in your locality. Use the Retail Sales Analysis (RSA) to verify or select your dealership's Beretta Focus vehicle content.

## Product Positioning

Beretta is positioned as one of America's most affordable coupes, with special appeal to younger buyers who enjoy the fun of being behind the wheel and who want a sporty appearance. Key features include sporty style, affordability, standard ABS and a driver air bag.

## Competitive Vehicles

- Beretta Coupe's strongest competition includes:  
Ford Probe  
Mitsubishi Eclipse  
Eagle Talon.
- The main competitors for Beretta Z26 include:  
Ford Probe GT  
Dodge Avenger  
Mitsubishi Eclipse  
Eagle Talon TSi.

## Buyer Demographics

Beretta:	• Median age of Beretta buyers is 34-38 years.	• Median income of Beretta buyers is \$39,000-\$43,000 annually.	• Mostly female (62-66%).	• 40-45% of Beretta buyers are married.
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Dealer Order Guide

# Beretta

Beretta

## Feature Availability

	BERETTA COUPE	BERETTA Z26 COUPE
Air Bag - Driver	S	S
Air Conditioning - with R-134a	S	S
Battery - with Smart Run-down Protection	S	S
Brakes - 4-Wheel Anti-Lock	S	S
- Power, Front Disc/Rear Drum	S	S
Brake/Transmission Shift Interlock	S	S
Convenience Net - Luggage-Area	O	S
Defogger - Rear-Window	O	O
Engine - 2.2 Liter I4 with MFI	S	NA
- 3100 V6 with SFI	O <sup>2</sup>	S
Exhaust Outlets - Styled	NA	S
Exhaust System - Stainless-Steel	S	S
Gauge Package - with Tachometer and Trip Odometer	O	S
Low-Coolant-Level Light	O <sup>2</sup>	S
Low-Oil-Level Light	S	S
Map Pockets - Doors	S	S
Paint - Base-Coat/Clear-Coat	S	S
Scotchgard™ Fabric Protector	S	S
Spoiler - Rear Deck-Lid	O	S
Steering - Power Rack-and-Pinion	S	S
Steering Column - Tilt-Wheel™ Adjustable	O	O
Sunroof - Removable	O	O
Suspension - Sport, Level II	O	S
Tires - P195/70R-14 Blackwalls	S	NA
- P205/60R-15 Blackwalls	O <sup>3</sup>	S
Transmission - 5-Speed Manual	S <sup>1</sup>	NA
- 3-Speed Automatic	O <sup>4</sup>	NA
- 4-Speed Electronically Controlled Automatic	O <sup>2</sup>	S
Windows - Power with Driver's Express-Down Feature	O	O

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—Requires 4-speed automatic transmission. 2—Requires 3100 engine with SFI (I&Z). 3—Requires 15" bolt-on wheel cover (PCL). 4—Requires 2.2 Liter engine with MFI.

## Additional Information on Significant Features

- Beretta features 4-wheel anti-lock brakes (ABS) on all models as standard equipment. ABS improves the driver's ability to maintain steering control during hard braking and provides shorter stopping distances in many circumstances.
- A driver air bag is also standard in every Beretta, helping reduce the chance of injury in certain moderate to severe frontal collisions. Always wear safety belts, even with air bags.
- Power door locks with automatic locking/unlocking feature. When shifting out of Park, the doors are automatically locked. All doors will automatically unlock when the ignition key is turned to the Off position.
- Another important safety feature is smart battery run-down protection which safeguards against a dead battery caused by leaving interior lights on. This system automatically shuts interior lights off approximately 20 minutes after the car has been sitting with the ignition off.

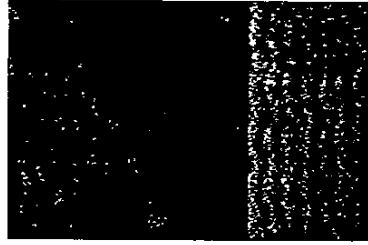


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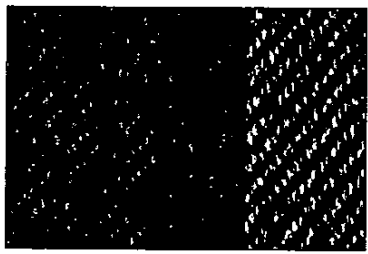
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### Trim Color/Seat Style Availability



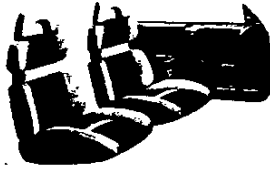
Cloth available in Medium Blue, Garnet Red and Medium Gray.



Custom Cloth available in Medium Blue, Garnet Red and Medium Gray.



Reclining bucket seats (Beretta Coupe).



Sport reclining bucket seats (Beretta Z26).

### Most Popular Exterior Color by Percentage

Clockwise below are the anticipated four most popular Beretta colors for 1996, 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 Red	21%
Bright White	15%
Black Rose Metallic	12%
Cayenne Red Metallic	8%
Other colors	44%

### Most Popular Exterior Colors with Corresponding Interior Color Availability

Exterior Colors	Interior Material Colors		
	Medium Blue	Garnet Red	Medium Gray
Bright Red			■
Bright White	■	■	■
Black Rose Metallic			■
Cayenne Red Metallic			■

### Wheels



Beretta Coupe standard 14" bolt-on full wheel cover.



Beretta Z26 standard 15" bolt-on full Sport wheel cover. Optional for Beretta Coupe.



Beretta Z26 optional 16" styled-aluminum wheel with locks.





## MODEL 1LW37 BERETTA Z26 COUPE

\* INCLUDES DESTINATION AND HANDLING CHARGES

**MUST SPECIFY: EMISSIONS, ENGINE, TRANSMISSION  
MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED**

N.C.	<b>Base Preferred Equipment Group (Refer Standard Equipment Summary)</b>	1SH	1SJ
	<b>Preferred Equipment Group 1</b>		
	Carpeted Mats. Color-Keyed Front and Rear		x
	Power Trunk Opener		x
	Speed Control. Electronic w/Resume Speed		x
	Tilt Wheel		x

### ADDITIONAL OPTIONS

	<b>ACKNOWLEDGEMENTS</b>		<b>RADIO EQUIPMENT</b>
N.C.	R8S Multiple Order Numbers	V.P.S.	U1C Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Compact Disc Player, Delco-Loc II, Coaxial Front and Extended Range Rear Speakers
V.P.S.	R8T Preliminary Invoice		
N.C.	VK3 <b>BRACKET:</b> License Plate, Front		
	<b>DEFOGGER:</b>		
	(Note: One of the Following Options must be Specified)		
	C49 Defogger, Rear Window: Electric	N.C.	AR9 <b>SEAT:</b> Bucket
N.C.	R9W Defogger, Rear Window not Desired		QMS <b>TIRES:</b> P205/55 R16 B/W (Reqs PF4 Wheels)
	<b>EMISSIONS: (Refer Emission Requirements Tab Section)</b>		<b>TRANSMISSION</b>
N.C.	FE9 Federal Emission Requirement	N.C.	MX0 4-Speed Electronically Controlled Automatic (Base)
N.C.	NG1 Massachusetts, NY Emission Requirement	N.C.	PF4 <b>WHEEL:</b> 16" Styled Aluminum Wheels w/Locks (Incls Level III Performance Handling Suspension) (Reqs QMS Tires)
N.C.	YF5 California Emission Requirement		
N.C.	NB8 California/MA Emission Override (Reqs FE9 Emission)		A31 <b>WINDOWS:</b> Power w/Driver Express Down
N.C.	NC7 Federal Emission Override (Reqs YF5/NG1 Emission)		
	<b>ENGINE</b>		
N.C.	L82 3.1 Liter SFI V6		
	K05 <b>HEATER:</b> Engine Block		



# BERETTA Z26 COUPE

## 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	Med Blue	Garnet Red	Med Gray
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MODEL	SEAT TYPE	SEAT OPTION**			
1LW37	Custom Cloth Sport Bucket	AR9	30G	78G	14G

\*\*Seat Option AR9 Must Be Specified

## SOLID PAINT APPLICATION

Exterior Paint Color	Color Code	Med Blue	Garnet Red	Med Gray
Black	41U		x	x
Black Rose (Met)	73U			x
Blue, Med Adriatic (Met)	30U	x		x
Raspberry (Met)	98U			x
Red, Bright	81U			x
Red, Cayenne (Met)	96U			x
White, Bright	16U	x	x	x

## POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO
	2.93
L82 MX0	Std



# MODEL 1LV37 BERETTA COUPE

\*Includes Destination & Handling Charges

**MUST SPECIFY: EMISSIONS, ENGINE, TRANSMISSION  
MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED**

N.C.	Base Preferred Equipment Group (Refer Standard Equipment Summary)	1SD	1SE	1SF
	<b>Preferred Equipment Group 1</b>			
	Carpeted Mats, Color-Keyed Front and Rear with Scotchgard		x	x
	Day/Night Rear View Mirror with Reading Lamps		x	x
	LH and RH Covered Visor Mirrors		x	x
	Luggage Area Convenience Net		x	x
	Windshield Wipers: Intermittent		x	x
	<b>Preferred Equipment Group 2</b>			
	Power Trunk Opener			x
	Speed Control, Electronic with Resume Speed			x
	Split Folding Rear Seat with Arm Rest			x
	Tilt-Wheel			x

## ADDITIONAL OPTIONS

N.C.	R8S	<b>ACKNOWLEDGEMENTS</b>	UB3	<b>GAGE PACKAGE:</b> With Tachometer and Trip Odometer	
V.P.S.	R8T	Multiple Order Numbers	K05	<b>HEATER:</b> Engine Block	
N.C.	VK3	Preliminary Invoice		<b>RADIO EQUIPMENT</b>	
		<b>BRACKET:</b> License Plate, Front	V.P.S.	UM6	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Stereo Cassette Tape and Coaxial
		<b>DEFOGGER:</b>			Stereo Cassette Tape and Coaxial
		(Note: One of the Following Options must be Specified)	V.P.S.	U1C	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Compact Disc Player, Delco-Loc II, Coaxial Front and Extended Range Rear Speakers
N.C.	C49	Defogger, Rear Window, Electric			
N.C.	R9W	Defogger, Rear Window not Desired			
		<b>EMISSIONS: (Refer Emission Requirements Tab Section)</b>	N.C.	AR9	<b>SEAT:</b> Bucket
N.C.	FE9	Federal Emission Requirement		D52	<b>SPOILER:</b> Deck Lid
	NG1	Massachusetts/NY Emission Requirement		Q1M	<b>TIRES:</b> P205/60 R15 B/W (Reqs PG1 Wheels)
		w/ LN2 and MX1			<b>TRANSMISSION</b>
N.C.		w/ L82 or LN2 and MM5	N.C.	MM5	5-Speed Manual (Base) (Reqs LN2 Eng)
	YF5	California Emission Requirement	N.C.	MX0	4-Speed Automatic, Electronically Controlled (Reqs L82 Eng)
		w/ LN2 and MX1			
N.C.		w/ L82 or LN2 and MM5		MX1	3-Speed Automatic (Reqs LN2 Eng)
	NB8	California/MA Emission Override (Reqs FE9 Emission)	N.C.	PG1	<b>WHEELS:</b> 15" Steel Bolt-on Wheel Covers (Incls Level II Suspension) (Reqs Q1M Tires)
N.C.	NC7	Federal Emission Override (Reqs YF5/NG1 Emission)		A31	<b>WINDOWS:</b> Power w/Driver Express Down
		<b>ENGINE</b>			
N.C.	LN2	2.2 Liter MFI L4 (Base)			
	L82	3.1 Liter SFI V6 (Reqs MX0 Trans)			



# BERETTA COUPE

## 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	Med Blue	Garnet Red	Med Gray
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MODEL	SEAT TYPE	SEAT OPTION**			
1LV37	Cloth Bucket	AR9	30H	78H	14H

\*\*Seat Option AR9 Must Be Specified

## SOLID PAINT APPLICATION

Exterior Paint Color	Color Code	Med Blue	Garnet Red	Med Gray
Black	41U		x	x
Black Rose (Met)	73U			x
Blue, Light Adriatic (Met)	36U	x		
Blue, Med Adriatic (Met)	30U	x		x
Gray, Light (Met)	14U	x	x	x
Gray, Dk Green (Met)	18U			x
Raspberry (Met)	98U			x
Red, Cayenne (Met)	96U			x
Red, Bright	81U			x
White, Bright	16U	x	x	x

## POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO		
	2.93	3.18	3.83
LN2 MMS	----	---	Std
MX1*	----	Std	----
L82 MX0	Std	---	---

\*LN2 with MX1 Power Team N/A Hawaii



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# MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

# 1996

Manufacturer	CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Vehicle Line	BERETTA	
Mailing Address	30007 VAN DYKE WARREN, MICHIGAN 48090-9065	Issued	SEPTEMBER, 1995	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

# AAMA Specifications

## METRIC (U.S. Customary)

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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. 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 incurring obligation by the manufacturer.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacture.

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (#)         

METRIC (U.S. Customary)

## Vehicle Origin

Design & development (company)	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)
BERETTA 2-Door Notchback Coupe (FWD)	9-95	1LD37	2/3	601(132)	24/31
BERETTA "Z26" 2-Door Notchback Coupe (FWD)	9-95	1LV37 & Z04	2/3	601(132)	21/29

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

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 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	
<b>E N G I N E</b>	Engine Code	LN2	LN2	L82		
	Displacement Liters (in <sup>3</sup> )	2.2L (134) L4	2.2L (134) L4	3.1L (191) L4		
	Induction system (FI, Carb. etc.)	Sequential Fuel Injection	Sequential Fuel injection	Sequential Fuel Injection		
	Compression ratio	9.0:1	9.0:1	9.6:1		
	SAE Net at RPM	Power kW (bhp)	90 (120) @ 5200	90 (120) @ 5200	116 (155) @ 5200	
		Torque N • m (lb. ft.)	176 (130) @ 4000	176 (130) @ 4000	250 (185) @ 4000	
Exhaust single, dual		Single	Single	Single		
<b>T R A N S</b>	Transmission/ Transaxle	MR3-Manual Transaxle 5-Speed	MD9-Automatic Transaxle 3-Speed	M13-Automatic Transaxle 4-Speed		
	Effective Final Drive / Axe Ratio (std. first)	3.83	3.18	2.93		

Series Availability		Power Teams (A - B - C - D)	
Model	Code	Standard	Optional
BERETTA			
2-Door Notchback	1LV37	A	B,C
BERETTA "Z26"			
2-Door Notchback	1LV37 & Z04	C	

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (•) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description	2.2 LITER L4 (133 CID)
Engine Code	SEQUENTIAL FUEL INJECTION RPO LN2

### Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	Inline, Front Transverse - OHV	
Manufacturer	General Motors Powertrain Division	
No. of cylinders	4	
Bore	89.0 mm (3.5 in.)	
Stroke	88.0 mm (3.46 in.)	
Bore Spacing (C/L to C/L)	99.0 mm (3.90 in.)	
Cylinder block material & mass kg. (lbs.) (machined)	Cast Iron, 44.58	
Cylinder block deck height	216.65 mm (8.53 in.)	
Cylinder block length	443 mm (17.44 in.)	
Deck clearance (minimum) (above or below block)	.6 mm (.024 in.) Below	
Cylinder head material & mass kg. (lbs.)	Aluminum, 10.69	
Cylinder head volume cm <sup>3</sup> (inches <sup>3</sup> )	52.38 cm <sup>3</sup> (3.20 in <sup>3</sup> )	
Cylinder liner material	No Liner	
Head gasket thickness (compressed)	1.55	
Minimum combustion chamber total volume cm <sup>3</sup> (inches <sup>3</sup> )	67.92 cm <sup>3</sup> (4.14 in <sup>3</sup> )	
Cyl. no. system (front to rear)*	L. Bank	1-2-3-4
	R. Bank	-
Firing order	1-3-4-2	
Intake manifold material & mass kg. (lbs.)**	Aluminum, 6.049	
Exhaust manifold material & mass kg. (lbs.)**	Cast Iron 3.470	
Knock sensor (number & location)	One, Right Side Of Block	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) + 2	87	
Engine Mounts	Quantity	4-Manual <span style="float:right">3 Automatic</span>
	Material and type (elastomeric, hydroelastolic, hydraulic damper, etc.)	(1) Hydroelastolic <span style="float:right">(2) Elastomeric - Automatic</span> (1) Hydroelastolic <span style="float:right">(3) Elastomeric - Manual</span>
	Added isolation (sub-frame, crossmember, etc.)	No
Total dressed engine mass (wt) dry***	138.50 (Dry) 142.20 (w/ Oil) Automatic <span style="float:right">149.31 (Dry) 153.01 (w/ Oil) Manual</span>	

### Engine - Pistons

Material & mass, kg (weight, oz.) - piston only	Aluminum, .3125 kg
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### Engine - Camshaft

Location	In Block	
Material & mass kg (weight, lbs.)	Assembled Steel, 2.271 kg	
Drive type	Chain / belt	Chain
	Width / pitch	19.3 / 9.5 mm (.76 / .37 in.)

\* 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:

A/C Compressor Brackets & Bolts, Radiator Pipe, Air Cleaner ASM., Ducts & Bolts, Generators Brackets, Bolt & ACC. Belt, Starter Motor & Bolts, Transaxle Brace, Flywheel Cover & Bolts, Exhaust Downpipe w/ Converter & Bolts Evap EMIS Canister w/ Hoses, and Module Powertrain Control

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (#) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

3.1 LITER V6 (191 CID)  
 SEQUENTIAL FUEL INJECTION RPO L82

### 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 Division		
No. of cylinders	6		
Bore	89.00		
Stroke	84.01		
Bore Spacing (C / L to C / L)	111.76		
Cylinder block material & mass kg. (lbs.) (machined)	Cast Iron		
Cylinder block deck height	224.0 mm (9.0 in.)		
Cylinder block length	435.5 mm (17.4 in.)		
Deck clearance (minimum) (above or below block)	.58 Above TDC		
Cylinder head material & mass kg. (lbs.)	Cast Aluminum 5.3 kg (11.7 in.)		
Cylinder head volume cm <sup>3</sup> (inches <sup>3</sup> )	28.0 cm <sup>3</sup> (1.71 in <sup>3</sup> )		
Cylinder liner material	Not Applicable		
Head gasket thickness (compressed)	1.62 mm (.0637)		
Minimum combustion chamber total volume cm <sup>3</sup> (inches <sup>3</sup> )	27.0 cm <sup>3</sup> (1.65 in <sup>3</sup> )		
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.)**	Cast Aluminum	Upper 3.0 (6.63)	Lower 5.6 (12.36)
Exhaust manifold material & mass kg. (lbs.)**	Cast Iron	RT 3.76 (8.28)	LT 2.63 (5.79)
Knock sensor (number & location)	1 - Left Side Center Of Block		
Fuel required unleaded, diesel, etc.	Unleaded		
Fuel antiknock index (R + M) + 2	87		
Engine Mounts	Quantity	3 Automatic	
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	(1) Hydroelastic	(2) Elastomeric
	Added isolation (sub-frame, crossmember, etc.)	No	
Total dressed engine mass (wt) dry***	178.16 kg (391.95 lbs.) Automatic		

### Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum Alloy, 369 kg (13.0 lbs.)
--	------------------------------------

### Engine - Camshaft

Location	Above Crankshaft At Center FO "V"	
Material & mass kg (weight, lbs.)	Assembled Steel, 2.25 kg (4.97 lbs.)	
Drive type	Chain / belt	Chain
	Width / pitch	15.88 x 9.53

\* 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:

A/C Compressor Brackets & Bolts, Radiator Pipe, Air Cleaner ASM., Ducts & Bolts, Generator Brackets, Bolts & ACC. Belts, Starter Motor & Bolts, Transaxle Brace, Flywheel Cover & Bolts, Exhaust Downpipe w/ Convert & Bolts, Evap EMIS, Canister w/ Hoses and Module Powertrain Control

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description	2.2 LITER L4 (133 CID) SEQUENTIAL FUEL INJECTION RPO LN2
Engine Code	

### Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	Standard	
Valves	Number intake / exhaust	4/4
	Head O.D. intake / exhaust	44.0 mm (1.73 in.) / 37.0 mm (1.48 in.)

### Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged Steel, .3730 kg (.822 lbs)
Length (axes C/L to C/L)	141.95 (5.59)

### Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Nodular Cast Iron, 14.4 kg (37.1 lbs.)	
End thrust taken by bearing (no.)	4	
Length & number of main bearings	5, 20.76 mm (.82 in)	
Seal (material, one, two piece design, etc.)	Front	One Piece Fluorelastomer
	Rear	One Piece Fluorelastomer

### Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	435-530 (63-77) @ 1200	12-20 @ 300
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 L (4.0 qt.)	

### 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



# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

3.1 LITER V6 (191 CID)  
 SEQUENTIAL FUEL INJECTION RPO L82

### Engine - Valve System

Hydraulic lifters (std., opt., n.a.)		Standard
Valves	Number intake / exhaust	6/6
	Head O.D. intake / exhaust	43.64 mm (1.72 in.) / 36.20 mm (1.43 in.)

### Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged Steel, .592 kg (1.31 lbs.)
Length (axes C/L to C/L)	144.78 (5.79)

### Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Cast Iron, 117.2 kg (37.9 lbs.)	
End thrust taken by bearing (no.)	3	
Length & number of main bearings	29.5 mm (1.4) 24.0 mm (2.3) / 4	
Seal (material, one, two piece design, etc.)	Front	Viton/Steel, One Piece
	Rear	Viton/Steel, One Piece

### Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	280 - 360 @ 2400
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of oil case, less filter-refill-L (qt.)	3.8 L (4.0 qt.)

### 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

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (#) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

2.2 LITER L4 (133 CID)  
 SEQUENTIAL FUEL INJECTION RPO LN2

### Engine - Cooling System

Coolant recovery system (std., opt., n.s.)	Standard	
Coolant fill location (rad., bottle)	Surge Tank	
Radiator cap relief valve pressure kPa (psi)	103 kPa (15 psi)	
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	91°C (195°F) All Except LD2
Water pump	Type (centrifugal, other)	Centrifugal
	GMP 1000 pump rpm	7.3
	Number of pumps	1
	Drive (V-belt, other)	Serpentine Belt
	Bearing type	Sealed, Ball Roller
	Impeller material	Stamped Steel
	Housing material	Aluminum
By-pass recirculation type (inter., ext.)	External - Thru Intake Manifold Internal	
Cooling System capacity	With heater - L (qt.)	8.7 L (9.2 qt.)
	With air conditioner - L (qt.)	8.7 L (9.2 qt.)
	Opt. equipment specify - L (qt.)	None
Water jackets full length of cyl. (yes, no)	Yes	
Water all around cylinder (yes, no)	Yes	
Water jackets open at head face (yes, no)	No	
Radiator core	Std., A/C, HD	A/C
	Type (cross-flow, etc.)	Cross - Flow
	Construction (fin & tube mechanical, braze, etc.)	Tube & Center / Brazed
	Material, mass kg (wgt., lbs.)	Aluminum 2.54 (5.6) Manual Trans, 3.13kg (6.9lbs) Auto Trans
	Width	660 mm (26.3 in. )
	Height	383 mm (15.3)
	Thickness	16 (.63)
Fins per mch	20	
Radiator end tank material	Nylon 66, 33% Mineral Filled	
Fan	Std., elec., opt.	Electric, Standard
	Number of blades & type (flex, solid, material)	Nylon 66, 33% Mineral Filled
	Number & location (front, rear of radiator)	1 Fan, Behind Radiator
	Diameter & projected width	381 (15.0)
	Ratio (fan to crankshaft rev.)	Not Applicable
	Fan cutout type	ECM Controlled
	Drive type (direct, remote)	Direct - Electric Motor
	RPM at idle (elec.)	1800
	Motor rating (wattage/elec.)	150 W
	Motor switch (type & location/elec.)	ECM
	Switch point (temp./pressure/elec.)	On At 106°C (223°F) Coolant Temperature Or 193 psi A/C Head Pressure Off 103°C (217°F) & 108 psi. or w/ A/C On, Fan Always On Below 35 mph.
	Fan shroud (material)	None

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (#) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

3.1 LITER V6 (191 CID)  
 SEQUENTIAL FUEL INJECTION RPO LBZ

### Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Surge Tank
Radiator cap relief valve pressure kPa (psi)		103 kPa (15 psi)
Circulation thermostat	Type (choke, bypass)	Bypass
	Starts to open at °C (°F)	91°C (195°F)
Water pump	Type (centrifugal, other)	Centrifugal
	GMP 1000 pump rpm	12
	Number of pumps	1
	Drive (V-belt, other)	Serpentine Belt
	Bearing type	Ball - Roller
	Impeller material	Cast Iron
Housing material		Cast Aluminum
By-pass recirculation type (inter., ext.)		External
Cooling System capacity	With heater - L (qt.)	12.4 L (13.1 qt)
	With air conditioner - L (qt.)	12.4 L (13.1 qt)
	Opt. equipment specify - L (qt.)	None
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	All
	Type (cross-flow, etc.)	Cross - Flow
	Construction (fin & tube mechanical, braze, etc.)	Tube & Center/ Brazed
	Material, mass kg (wgt., lbs.)	Aluminum 2.54 (5.6) Man Trans 3.13 kg (6.9 lbs) Auto. Trans.
	Width	660 mm (26 in. )
	Height	383 mm ( 15.1 in. )
	Thickness	16
Fins per inch		20
Radiator end tank material		Nylon 66, 33% Mineral Filled
Fan	Std., elec., opt	Electric, Standard
	Number of blades & type (flex, solid, material)	Nylon 66, 33% Mineral Filled
	Number & location (front, rear of radiator)	1 Fan, Behind Radiator
	Diameter & projected width	381 (15.0)
	Ratio (fan to crankshaft rev.)	Not Applicable
	Fan cutout type	ECM Controlled
	Drive type (direct, remote)	Electric
	RPM at idle (elec.)	1900
	Motor rating (wattage/elec.)	240 W
	Motor switch (type & location/elec.)	ECM
	Switch point (temp./pressure/elec.)	On At 106°C (223°F) Coolant Temp or 193 psi A/C head Pressure off At 103°C (217°F) and 108 psi
Fan shroud (material)		None

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (#) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

2.2 LITER L4 (133 CID)  
 SEQUENTIAL FUEL INJECTION RPO LN2

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

Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		Delphi Automotive System
Carburetor no. of barrels		None
Idle A/F mix.		Computer Controlled
Fuel injection	Point of injection (no.)	Entering Cylinder Head (Four)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	294 - 306 (43 - 44)
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	900 RPM.
	Automatic	600 RPM
Intake manifold heat control (exhaust or water thermostatic or fixed)		None
Air cleaner type		Single Snorkel
Fuel filter (type/location)		Replaceable Paper Element Located Near Fuel Tank
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel Tank
	Pressure range kPa (psi)	250-300 (36-44)
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	62.5 (16.4) @ 350 (50.8) @ Wide Open Throttle

### Fuel Tank

Capacity refill L (gallons)		57.5 L (15.2 gal.)
Location (describe)		Under Rear Seat (Forward Of Rear Axle)
Attachment		Two Longitudinal Steel Straps
Material & Mass kg. (weight lbs.)		Steel
Filter pipe	Location & material	Right Rear Quarter Panel - Steel
	Connection to tank	Fuel Filler And Vent Hose With Clamps
Fuel line (material)		Steel/ Nylon/ Rubber
Fuel hose (material)		Rubber
Return line (material)		Steel/ Nylon/ Rubber
Vapor line (material)		Steel/ Nylon/ Rubber
Extended range tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.a.	"
	Capacity L (gallons)	"
	Location & material	"
	Attachment	"
	Selector switch or valve	"
Separate fill		"

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

**3.1 LITER V6 (191 CID)  
 SEQUENTIAL FUEL INJECTION RPO L82**

### 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		A/C Rochester Products
Carburetor no. of barrels		None
Idle A/F max.		PCM Controlled
Fuel injection	Point of injection (no.)	Intake Port (6)
	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	PCM Controlled
	Automatic	PCM Controlled
Intake manifold heat control (exhaust or water thermostatic or fixed)		Fixed
Air cleaner type		Replaceable Paper Element
Fuel filter (type/location)		Chassis Mounted, In-Line Replaceable
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)	62.5 (16.4) @ 350 (50.8) @ Wide Open Throttle

### Fuel Tank

Capacity refill L (gallons)		57.5 L (15.2 gal)
Location (describe)		Under Rear Seat (Forward Of Rear Axle)
Attachment		Tow Longitudinal Steel Straps
Material & Mass kg. (weight lbs.)		Steel
Filler pipe	Location & material	Right Rear Quarter Panel - Steel
	Connection to tank	Fuel Filler And Vent Hose With Clamps
Fuel line (material)		Steel/ Nylon/ Rubber
Fuel hose (material)		Rubber
Return line (material)		Steel/ Nylon/ Rubber
Vapor line (material)		Steel/ Nylon/ Rubber
Extended range tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.a.	"
	Capacity L (gallons)	"
	Location & material	"
	Attachment	"
	Selector switch or valve	"
Separate fill		"

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (#) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description 2.2 LITER L4 (133 CID)  
 Engine Code SEQUENTIAL FUEL INJECTION RPO LN2

### Vehicle Emission Control

Type (air injection, engine modifications, other)		CCC Control	
Exhaust Emission Control	Air injection	Pump or pulse	Not Applicable
		Driven by	"
		Air distribution (head, manifold, etc.)	
		Point of entry	
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled Flow EGR Valve
		Exhaust source	# 4 Cylinder At Cylinder Head
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet Manifold
	Catalytic Converter	Type	3 - Way Monolith
		Number of	1
		Locations(s)	Mounted To Center Underbody
Volume L (in <sup>3</sup> )		1.8 (1.10)	
Substrate type		Ceramic	
Noble metal type		Platinum (Pt.), Rhodium (Rh.), Palladium (Pd.)	
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)		Intake Manifold
	Air inlet (breather cap, other)		Air Cleaner Outlet Duct
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel Tank	Canister
		Carburetor	N/A
	Vapor storage provision		Canister
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

### Engine - Exhaust System

Type (single, single with cross-over, dual, other)	Single	
Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)	1, Triflow, Muffler, Stainless Steel, 6.89 (15.15)	
Resonator no., type, & volume (liters)	Not Applicable	
Exhaust pipe	Branch o.d., wall thickness	Not Applicable
	Main o.d., wall thickness	41.3 x 1.42 mm (1.625 x .056 in.)
	Material & Mass kg. (weight lbs.)	409 Stainless Steel, 3.4 kg (7.6 lbs)
Intermediate pipe	o.d. & wall thickness	50.8 x 1.37 mm (2.0 x .054 in.)
	Material & Mass kg. (weight lbs.)	409 Stainless Steel 3.0 (6.7)
Tail pipe	o.d. & wall thickness	50.8 x 1.09 mm (2.0 x .043 in.)
	Material & Mass kg. (weight lbs.)	409 Stainless Steel, .4 kg (.9 lbs)

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

3.1 LITER V6 (191 CID)  
 SEQUENTIAL FUEL INJECTION RPO L82

### Vehicle Emission Control

Type (air injection, engine modifications, other)		Not Used		
Exhaust Emission Control	Air injection	Pump or pulse	"	
		Driven by	"	
		Air distribution (head, manifold, etc.)	"	
		Point of entry	"	
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled Flow, Digital	
		Exhaust source	Right Side Exhaust Manifold	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold	
	Catalytic Converter	Type	Bed Monolith	
		Number of	1	
		Locations(s)	Mounted to Center Underbody	
Volume L (in <sup>3</sup> )		1.8 (110)		
Substrate type		Ceramic Monolith		
	Noble metal type	Platinum (Pt), Rhodium (Rh.)		
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction	
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum	
	Discharges to (intake manifold, other)		Intake Manifold	
	Air inlet (breather cap, other)		Right Rear Rocker Arm Cover	
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel Tank	Canister	
		Carburetor	Not Applicable	
	Vapor storage provision		Canister	
Electronic system	Closed loop (yes/no)		Yes	
	Open loop (yes/no)		No	

### Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single
Ø	Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)	1, Tri - Flow Muffler, Stainless Steel, 6.86 (15.15)
Ø	Resonator no., type, & volume (liters)	1, 101 mm x 250 mm
Exhaust pipe	Branch o.d., wall thickness	9.65
	Main o.d., wall thickness	50.8 x 1.77 mm (2.0 x .0538 in.)
	Material & Mass kg. (weight lbs.)	409 Stainless Steel, 1.9 kg (4.2 lbs)
Intermediate pipe	o.d. & wall thickness	50.8 x 1.37 mm (2.0 x .054 in.)
	Material & Mass kg. (weight lbs.)	409 Stainless Steel 3.0 kg (6.7 lbs)
Tail pipe	o.d. & wall thickness	49.8 x 1.09 mm (1.94 x .043 in.)*
	Material & Mass kg. (weight lbs.)	409 Aluminum Stainless Steel, .8 (1.8) w/ z21 1.0 (2.2)

\* w/ Z21 57.1 x 1.09 mm (2.2 .043 in.)

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

METRIC (U.S. Customary)

Engine Description  
 Engine Code

3.1 LITER V6 (191 CID)  
 SEQUENTIAL FUEL INJECTION RPO L82

## Automatic Transmission/Transaxle

Trade Name		GMPT 4T60E Transaxle
Type and special features (describe)		4 Speed Front Wheel Drive Electronically Controlled Transaxle with Torque Converter Cluth and Overdrive
Shift mechanics		Hydraulic Clutches / Electronic Shifting
Gear selector	Location (column, floor, other)	Floor
	Ltr./No. designation (e.g. PRND21)	P-R-N- <u>D</u> -D-2-1
	Shift interlock (yes, no, describe)	Yes
Gear ratios	1st	2.92
	2nd	1.57
	3rd	1.00
	4th	.71
	5th	Not Applicable
	6th	"
	Reverse	2.39
Final drive ratio		3.29 Overall = 2.93
Max. upshift vehicle speed - drive range km/h (mph)		Dependent on Engine Speed
Max. upshift engine speed RPM		5625
Max. kickdown speed - drive range km/h (mph)		151 (94)
Min. overdrive speed km/h (mph)		77 (48)
Torque converter	Type	Lock-Up
	Torus design	Yes
	Number of elements	3
	Max. ratio at stall	1.93
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 (9.7)
Capacity factor "K"		140
Pump type		Positive Variable Displacement Vane
Lubricant	Capacity refill L (pt.)	12.7 L (26.6 pt) Dry
	Type recommended	Dexron III
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard (Integral Part Of Radiator)
Transmission mass kg (lbs.) & case material**		81.0 kg (178.50 lbs) Dry

## 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.



# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (#) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

2.2 LITER L4 (133 CID)  
 SEQUENTIAL FUEL INJECTION RPO LN2

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

Effective final drive ratio (or overall top gear ratio)		3.18 Optional (MD9)	3.83 (2.83) Standard (MR3)
Transfer ratio and method (chain, gear, etc.)		1.12 Chain (33/37) Optional	Not Application Standard
Front drive unit	Ring gear o.d.	Not Application	
	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 Application
Drive pinion	Type	"
	Offset	"
No. of differential pinions		2
Pinion / differential	Adjustment (shim, etc.)	Not Application
	Bearing adjustment	"
Driving wheel bearing (type)		
Lubricant	Capacity L (pt.)	See Automatic Trans Spec. MD9/MR3
	Type recommended	"

### Axle Shafts - Front Wheel Drive

Manufacturer and number used		Delphi Saginaw		
Type (straight, solid bar, tubular, etc.)	Left	Straight, Solid Bar		
	Right	Straight, Solid Bar		
Outer diam. x length* x wall thickness	Manual Transaxle	Left	23.81 x 320.0 mm (.94 x 12.59 in.)	
		Right	23.81 x 663.0 mm (.94 x 26.10 in.)	
	Automatic transaxle	Left	23.81 x 311.0 mm (.94 x 12.24 in.)	
		Right	23.81 x 364.3 mm (.94 x 14.34 in.)	
	Optional transaxle	Left	None	
		Right	None	
Slip yoke	Type	None		
	Number of teeth	None		
	Spline o.d.	None		
Universal joints	Make and mfg. no.	Inner	Delphi Saginaw	
		Outer	Delphi Saginaw	
	Number used		Inboard and Outboard On Each Drive Shaft	
	Type, size, plunge	Inner	Triplot 61.0 Stroke	
		Outer	Rzeppa - Fixed Center	
	Attach (u-bolt, clamp, etc.)		Snap Ring Inner-Nut, Washer Outer	
Bearing	Type (plain, anti-friction)	Inner, Ball & Roller, Outer Ball		
	Lubrication (fitting, prepack)	Prepacked		
Drive taken through (torque tube, arms or springs)		Wisebone 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.

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (\*)           

## METRIC (U.S. Customary)

Engine Description	3.1 LITER V6 (191 CID) SEQUENTIAL FUEL INJECTION RPO L82
Engine Code	

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

Effective final drive ratio (or overall top gear ratio)		2.93 (M13)	
Transfer ratio and method (chain, gear, etc.)		(37/33) Chain .8919	
Front drive unit	Ring gear o.d.	Not Application	
	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 Application
Drive pinion	Type	"
	Offset	"
No. of differential pinions		2
Pinion / differential	Adjustment (shim, etc.)	Not Application
	Bearing adjustment	"
Driving wheel bearing (type)		
Lubricant	Capacity L (pt.)	See Automatic Trans Spec M13
	Type recommended	"

### Axle Shafts - Front Wheel Drive

Manufacturer and number used		Delphi Saginaw Automotive		
Type (straight, solid bar, tubular, etc.)	Left	Straight Solid Bar		
	Right	Straight Solid Bar		
Outer diam. x length* x wall thickness	Manual Transaxle	Left		
		Right		
	Automatic transaxle	Left	27.1 x 286.3MM	
		Right	27.1 x 274.5 MM	
	Optional transaxle	Left	None	
		Right	None	
Slip yoke	Type	None		
	Number of teeth	None		
	Spline o.d.	None		
Universal joints	Make and mfg. no.	Inner	Delphi Saginaw	
		Outer	DelphiSaginaw	
	Number used		2 - On Each Drive Shaft	
	Type, size, plunge	Inner	FREE MOTION 61.0 Stroke	
		Outer	Rzeppa - Fixed Center	
	Attach (u-bolt, clamp, etc.)		Retaining Ring Inner Washer Nut Outer	
Bearing	Type (plain, anti-friction)	Inner - Ball & Roller 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.

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

2.2 LITER L4 (133 CID)  
 SEQUENTIAL FUEL INJECTION RPO LN2

### Axle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage) (NOT APPLICABLE)

Axle ratio (or overall top gear ratio)		
Ring gear o.d.		
No. of teeth	Pinion	
	Ring gear	

### Rear Axle Unit

(NOT APPLICABLE)

Description		
Limited slip differential (type)		
Drive pinion	Type	
	Offset	
No. of differential pinions		
Pinion / differential	Adjustment (shim, etc.)	
	Bearing adjustment	
Driving wheel bearing (type)		
Lubricant	Capacity L (pt.)	
	Type recommended	

### Propeller Shaft - Rear Wheel Drive

(NOT APPLICABLE)

Manufacturer		
Type (straight tube, tube-in-tube, internal-external damper, etc.)		
Outer diam. x length* x wall thickness	Manual 4-speed transmission	
	Manual 5-speed transmission	
	Manual 6-speed transmission	
	Overdrive	
	Automatic transmission	
Intermediate bearing	Type (plain, anti-friction)	
	Lubrication (fitting, prepack)	
Slip yoke	Type	
	Number of teeth	
	Spline o.d.	
Universal joints	Make and mfg. no.	Front
		Rear
	Number used	
	Type (ball and trunion, cross)	
	Rear attach (u-bolt, clamp, etc.)	
	Bearing	Type (plain, anti-friction)
Lubrication (fitting, prepack)		
Drive taken through (torque tube, arms or springs)		
Torque taken through (torque tube, arms or springs)		

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

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (#) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

3.1 LITER V6 (191 CID)  
 SEQUENTIAL FUEL INJECTION RPO L82

### Axle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage) (NOT APPLICABLE)

Axle ratio (or overall top gear ratio)		
Ring gear o.d.		
No. of teeth	Pinion	
	Ring gear	

### Rear Axle Unit (NOT APPLICABLE)

Description		
Limited slip differential (type)		
Drive pinion	Type	
	Offset	
No. of differential pinions		
Pinion / differential	Adjustment (shim, etc.)	
	Bearing adjustment	
Driving wheel bearing (type)		
Lubricant	Capacity L (pt.)	
	Type recommended	

### Propeller Shaft - Rear Wheel Drive (NOT APPLICABLE)

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			
Outer diam. x length* x wall thickness	Manual 4-speed transmission		
	Manual 5-speed transmission		
	Manual 6-speed transmission		
	Overdrive		
	Automatic transmission		
Intermediate bearing	Type (plain, anti-friction)		
	Lubrication (fitting, prepack)		
Slip yoke	Type		
	Number of teeth		
	Spline o.d.		
Universal joints	Make and mfg. no.	Front	
		Rear	
	Number used		
	Type (ball and trunnion, cross)		
	Rear attach (u-bolt, clamp, etc.)		
Bearing	Type (plain, anti-friction)		
	Lubrication (fitting, prepack)		
Drive taken through (torque tube, arms or springs)			
Torque taken through (torque tube, arms or springs)			

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

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 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	--	
	Manual/automatic control	--	
	Type (air/hydraulic)	--	
	Primary/assist spring	--	
	Rear only/4 wheel leveling	--	
	Single/dual rate spring	--	
	Single/dual ride heights	--	
	Provision for jacking	Body Jack & Pads On Rocker	
Shock absorber damping controls	Standard/option/not available	--	
	Manual/automatic control	--	
	Number of damping rates	--	
	Type of actuation (manual/ electric motor/air, etc.)	--	
	Sensors	Lateral acceleration	--
		Deceleration	--
		Acceleration	--
Road surface		--	
Shock absorber (front & rear)	Type	Front: MacPherson Strut, Rear: Double Acting Hydraulic	
	Make	Delco Products	
	Piston diameter	Front: 32 (1.26) Rear 32 (1.26)	
	Rod diameter	Front 22 (.87) Rear 13 (.51)	

### Suspension - Front

Type and description		MacPherson Strut With Coil Spring
Travel	Full jounce (define load condition)	82 mm (3.23 in.), From Design
	Full rebound	81 mm (3.19 in.), From Design
Spring	Type (coil, leaf, other & material)	Coil, Steel
	Insulators (type & material)	Top & Bottom - Rubber
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	Spring Computer Selected - Varies With Option Content
	Spring rate N/mm (lb./in.)	27 N/mm
	Rate at wheel N/mm (lb./in.)	17.5 (154.9)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & O.D. bar/tube, wall thickness	Steel, 24 mm

### Suspension - Rear

Type and description		Training Twist Axle With Tubular Control Arms And Open Section Transverse Beam	
Travel	Full jounce (define load condition)	96.5 mm (3.79 in.) From Design	
	Full rebound	89 mm (3.58 in.) From Design	
Spring	Type (coil, leaf, other & material)	Coil, Steel	
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	Spring Computer Selected - Varies With Option Content	
	Spring rate N/mm (lb./in.)	19 N/mm	
	Rate at wheel N/mm (lb./in.)	11.1	
	Insulators (type & material)	Top Rubber	
	if leaf	No. of leaves	--
		Shackle (comp. or tens.)	--
Stabilizer	Type (link, linkless, frameless)	--	
	Material & O.D. bar/tube, wall thickness	--	
Track bar (type)		--	

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description And/OR  
 Engine Code/Description

ALL

### Brakes - Service

Description		Power Assisted Hydraulic Brakes			
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)	Standard - Disc			
	Rear (disc or drum)	Standard - Drum			
Valving type (proportion, delay, metering, other)		Proportioning, Diagonal Split Circuit			
Power brake (std., opt., n.a.)		Standard			
Booster type (remote, integral, vac., hyd., etc.)		Tandem Vacuum			
Vacuum	Source (inline, pump, etc.)	Inline			
	Reservoir (volume in. <sup>3</sup> )	None			
	Pump-type (elec., gear or belt driven)	Not Applicable			
Traction assist	Operational speed range	Not Applicable			
	Type (engine or brake intervention)	Not Applicable			
Antilock device	Front/rear (std., opt., n.a.)	Standard			
	Manufacturer	Delphi Chassis Division - ABS VI			
	Type (electronic, mech.)	Electronic			
	Number sensors or circuits	4			
	Number antilock hydraulic circuits	3			
	Integral or add-on system	Add - On			
	Yaw control (yes, no)	Yes			
Hyd. power source (elec., vac., mtr., pwr., strg.)		Electric Motor For Each Circuit			
Effective area cm <sup>2</sup> (in. <sup>2</sup> )*		204 (31.7) Front	324.1 (50.2) Rear		
Gross Lining area cm <sup>2</sup> (in. <sup>2</sup> )** (F/R)		204 (31.7) Front	324.1 (50.2) Rear		
Swept area cm <sup>2</sup> (in. <sup>2</sup> )** (F/R)		1175 (182.2) Front	556 (86.2) Rear		
Rotor	Outer working diameter	F/R	Front - 259.5 (10.2)		
	Inner working diameter	F/R	Front - 149.6 (5.9)		
	Thickness	F/R	Front - 20 (.79)		
	Material & type (vented/solid)	F/R	Front - Vented Cast Iron		
Drum	Diameter & width	F/R	Rear - 200 x 45 mm (7.87 x 1.77 in.)		
	Type and material	F/R	Cast Iron		
Wheel cylinder bore		Front - 57 mm (2.24 in.) Rear - 17.5 mm (.69 in.)			
Master cylinder	Bore/stroke	F/R	Bore - 22.2 mm (.874 in.) Stroke 35.7 mm (1.41 in.)		
Pedal arc ratio		3.35:1			
Line press. at 445 N (100 lb.) pedal load [kPa (psi)]		1600 PSI Max			
Lining clearance		F/R	Both Self Adjusting		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Integrally Molded - Inboard And Outboard	
		Rivet Size		Not Applicable	
		Manufacturer		Delphi Chassis Division	
		Lining code *****		130 EE	
		Material		Semi - Metallic	
		****	Primary or out-board	124 x 46 x 8.68 mm (4.88 x 1.81 x 0.34 in.)	
		Size	Secondary or in-board	124 x 46 x 9.68 mm (4.88 x 1.81 x 0.38 in.)	
	Shoe thickness (no lining)		4.85 mm (.019 in.)		
	Rear wheel	Bonded or riveted (rvts/seg.)		Riveted	
		Manufacturer		Delphi Chassis Division	
		Lining code *****		235 FE	
		Material		Organic	
		****	Primary or out-board	167.9 x 44.2 x 6.6 mm (6.61 x 1.74 x .26 in.)	
		Size	Secondary or in-board	198.8 x 44.2 x 7.2 mm (7.38 x 1.74 x .28 in.)	
Shoe thickness (no lining)		2.75 mm (.11 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 P/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.

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-94 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description And/Or  
 Engine Code/Description

ALL

### Tires And Wheels (Standard)

Tires	Size (service description)		P195/70R14
	Type (bias, radial, steel, nylon, etc.)		Steel Belted Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	210 (30)
		Rear kPa (psi)	210 (30)
Rev./mile at 70 km/h (45 mph)		842	
Wheels	Type & material		Steel
	Rim (size & flange type)		14 x 6J
	Wheel offset		47
	Attachment	Type (bolt or stud & nut)	Stud
		Circle diameter	100 mm
Number & size		5 - 12 mm	
Spare	Tire and wheel		T115/70D14 BW Wheel Dia. 14 x 4 Inflation 420 kPa (60 psi)
	Storage position & location (describe)		Under Deck Of Luggage Compartment

### Tires And Wheels (Optional)

Tire size (service description)		P205/60R15
Type (bias, radial, steel, nylon, etc.)		Radial
Wheel (type & material)		Steel
Rim (size, flange type and offset)		15 x 6 x 47
Tire size (service description)		P205/55R16
Type (bias, radial, steel, nylon, etc.)		Radial
Wheel (type & material)		Aluminum
Rim (size, flange type and offset)		16 x 7 42
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		Hand Lever Assembly
Location of control		In Console Between Front Seats
Operates on		Rear Brake
If separate from service brakes	Type (internal or external)	Not Applicable
	Drum diameter	--
	Lining size (length x width x thickness)	--

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (#) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description And/Or  
 Engine Code/Description

ALL

### Steering

Manual (std., opt., n.a.)		Not Available		
Power (std., opt., n.a.)		Standard		
Speed-sensitive (std., opt., n.a.)		N/A		
4-wheel steering (std., opt., n.a.)		N/A		
Adjustable steering wheel/column (tilt, telescope, other)	Type	Tilt	Optional	
	Manufacturer	Saginaw Division		
	(std., opt., n.a.)	Optional		
Wheel diameter** (W9) SAE J1100	Manual	-		
	Power	386 (15.2)		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	11.3 (37.2)	
		Curb to curb (l. & r.)	10.75 (35.3)	
	Inside rear	Wall to wall (l. & r.)	5.8 (19.2)	
		Curb to curb (l. & r.)	7.5 (24.6)	
Scrub Radius*		-1.69 (14" Tires)		
Manual	Gear	Type	-	
		Manufacturer	-	
		Ratios	Overall	-
	No. wheel turns (stop to stop)		-	
Power	Type (coaxial, elec. hyd., etc.)		Rack And Pinion w/Center Take - Off Tie Rods - Integral	
	Manufacturer		Dephi Saginaw Steering Systems	
	Gear	Type	Rack And Pinion w/ Center Take - Off Tie Rods - Integral	
		Ratios	Gear	Not Applicable
		Overall	13.96:1 ALL	
	Pump (drive)		Belt Off Crankshaft Pulley	
No. wheel turns (stop to stop)		2.33 ALL		
Linkage	Type		Center Take Off Tie Rods, Rack And Pinion	
	Location (front or rear of wheels, other)		Rear	
	Tie rods (one or two)		2	
Steering axis	Kingpin Inclination (deg.)		13.2	
	Bearings (type)	Upper	Ball Bearings	
		Lower	Ball Joint	
		Thrust	Incorporated In Upper Bearing	
Steering spindle/knuckle & joint type		MacPherson Strut		

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

\*\* See Page 23.



# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 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.)	Not Adjustable
		Camber (deg.)	.1 (+/-) .7
		Toe-in outside track mm (in.)	0 (+/-) .20 Sum
	Service reset*	Caster (deg.)	Not Adjustable
		Camber (deg.)	.0 (+/-) .7
		Toe-in mm (in.)	.0 (+/-) .20 Sum
Periodic M.V. inspection	Caster (deg.)	Not Adjustable	
	Camber (deg.)	--	
	Toe-in mm (in.)	--	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	- .40° +/- .40°
		Toe-in outside track mm (in.)	- .20° +/- .35°
	Service reset*	Camber (deg.)	Not Adjustable
		Toe-in mm (in.)	Not Adjustable
	Periodic M.V. insp.	Camber (deg.)	Not Adjustable
		Toe-in mm (in.)	Not Adjustable

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

### Electrical - Instruments and Equipment Gage

Speedometer	Type (analog, digital, std., opt.)	Analog
	Trip odometer (std., opt., n.a.)	Not Available
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		Not Available
Charge indicator	Type	Tell - Tale Warning Light
	Warning device (light, audible)	Light
Temperature indicator	Type	Gauge
	Warning device (light, audible)	Tell - Tale Warning Light
Oil pressure indicator	Type	Tell - Tale Warning Light
	Warning device (light, audible)	Light
Fuel indicator	Type	Electric Gauge w/ Pointer
	Warning device (light, audible)	Not Available
Windshield wiper	Type (standard)	Electric 2 - Speed
	Type (optional)	Intermittent Windshield Wiper System
	Blade length	482.6 mm (19.0 in.)
	Swept area cm <sup>2</sup> (in. <sup>2</sup> )	6221.9 cm <sup>2</sup> (379.6 in <sup>2</sup> )
Windshield washer	Type (standard)	Wet - Arm Electric Pump Mounted On Reservoir Bottle
	Type (optional)	Not Available
	Fluid level indicator (light, audible)	"
Rear window wiper, wiper/washer (std., opt., n.a.)		"
Horn	Type	Electric Vibrating
	Number used	One "F" Note, "A" Note (Optional)
Other		Standard, Chimes

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Code/Description

2.2 LITER L4 (133 CID)  
 SEQUENTIAL FUEL INJECTION RPO LN2

### Electrical - Supply System

Battery	Manufacturer	Delphi - E	
	Model, std., (opt.)	Standard - 1900670	Optional - 19000672
	Voltage	12	
	Amps at 0° F. cold crank	525	600
	Minutes-reserve capacity	90	
	Amps/hrs.-20 hr. rate	54	
Location	Engine Compartment - Front		
Alternator	Manufacturer	Delphi - E	
	Rating (idle/max. rpm)	42/105	
	Ratio (alt. crank/rev.)	2.64:1	
	Output at idle (rpm, park)	38 Amps @ 93°C - 600 RPM	
Optional (type & rating)	None		
Regulator	Type	Integral With Alternator	

### Electrical - Starting System

Motor	Manufacturer	Delco Remy of America	
	Current drain _____ °C (°F)	311 AMPS 80 RPM	
	Power rating kw (hp)	1.3-1.6 kw	
Motor drive	Engagement type	Solenoid Operated Shift Lever	
	Pinion engages from (front, rear)	Front	

### Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Electronic - Direct		
	Other (specify)	Control Module With Two Integral Coils, Two Remote Timing Sensor		
Coil	Manufacturer	Delphi Automotive		
	Model	1103972		
	Current	Engine stopped - A	Less Than 5 ma	
		Engine idling - A	Less Than 1 Amp. (Average)	
Spark plug	Manufacturer	Champion		
	Model	41.928		
	Thread (mm)	14 x 1.25		
	Tightening torque N-m (lb. ft.)	15-20 Nm		
	Gap	1.52 mm (0.060 in.)		
Distributor	Number per cylinder	1		
	Manufacturer	Not Applicable		
	Model	"		

### Electrical - Suppression

Locations & type	
------------------	--

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Code/Description

**3.1 LITER V6 (191 CID)  
 SEQUENTIAL FUEL INJECTION RPO L62**

### Electrical - Supply System

Battery	Manufacturer	Delphi - E
	Model, std., (opt.)	STD - 19000672
	Voltage	12
	Amps at 0° F. cold crank	600
	Minutes-reserve capacity	90
	Amps/hrs.-20 hr. rate	54
Location		Engine Compartment - Front
Alternator	Manufacturer	Delphi - E
	Rating (idle/max. rpm)	42/105
	Ratio (alt. crank/rev.)	2.75:1
	Output at idle (rpm, park)	50 A @ °- 675 RPM
	Optional (type & rating)	None
Regulator	Type	Integral With Alternator

### Electrical - Starting System

Motor	Manufacturer	Delco Remy
	Current drain _____ °C (°F)	350 A
	Power rating kw (hp)	1.4 kw (1.9 hp)
Motor drive	Engagement type	Solenoid Operated Shift Lever
	Pinion engages from (front, rear)	Front

### Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Electronic - Direct Ignition	
	Other (specify)	Control Module With 3 Integral Coils And One Remote Timing Sensor	
Coil	Manufacturer	Delco Remy	
	Model	1103759	
	Current	Engine stopped - A	Less Than 100
		Engine idling - A	Less Than 1.5 Amp. (Average)
Spark plug	Manufacturer	AC Spark Plug	
	Model	R44LTSM6	
	Thread (mm)	14 x 1.25	
	Tightening torque N-m (lb. ft.)	9 - 20 (7 - 15)	
	Gap	1.52 mm (.060)	
	Number per cylinder	1	
Distributor	Manufacturer	Not Applicable	
	Model	"	

### Electrical - Suppression

Locations & type	Not Available
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# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (\*) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description

ALL

### Body

Structure	Unitized body Construction Including Front End Structure With Bolted - On Fenders And Hood
Bumper system front - rear	Bumper Fascias Are Attached To Steel Impact Bar And Dual Energy Absorbers For Collisions Energy Absorption. Meets 5 mph Corporate Bumper Labeling Requirements
Anti-corrosion treatment	The Paint Shop Process Includes, Phosphate, ELPO, Sealers, Some Colors With Primers, and Top Coats.

### Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	High Solids Basecoat/ Clearcoat Enamel		
Hood	Material & mass	Two Sided Galvanized Steel, 17.91 kg (38.5 lbs.)	
	Hinge location (front, rear)	Rear	
	Type (counterbalance, prop)	Internal	
	Release control (internal, external)	Two Sided Galvanized Steel, 10.6 kg (23.4 lbs.)	
Trunk lid	Material & mass	Torsion Rods	
	Type (counterbalance, other)	Electrical - Optional	
	Internal release control (elec., mech., n.s.)	Not Applicable	
Hatchback lid	Material & mass	"	
	Type (counterbalance, other)	"	
	Internal release control (elec., mech., n.s.)	"	
Tailgate	Material & mass	"	
	Type (drop, lift, door)	"	
	Internal release control (elec., mech., n.s.)	"	
Vent window control (crank, friction, pivot, power)	Front	None	
	Rear	"	
Window regulator type (cable, tape, flex drive, etc.)	Front	Not Applicable	Elec. Pinion Gear & Sector Arm
	Rear	"	Elec. Pinion Gear & Sector Arm
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket With Polyurethane Padding	
	Rear	Bench With Polyurethane Padding	
	3rd seat	Not Applicable	
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Reclining Bucket With Polyurethane Padding	
	Rear	Fixed Bench With Polyurethane Padding*	
	3rd seat	Not Applicable	

For Beretta GT 60/40 Split Folding Rear Seat Standard

### Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized Frame Body - Frame Integral With Bolt - On Powertrain Cradle
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# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 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.)	Second seat	Lap/ Shoulder Combination	Lap Belt	Lap/ Shoulder Combination
	Standard / Optional	Third seat			
		First seat	Air Bag/ Knee Bolster 3-Point Door Mt. Belt	N/A	3-Point Door Mt. Belt
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt)	Second seat	N/A	N/A	N/A
	Standard / Optional	Third seat			
		SAE Ref.No.	37	67	69
<b>Glass</b>					
Windshield glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )		S1	10549 (1636)		
Side glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> ) - total 2 sides		S2	1794 (1561)		
Backlight glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )		S3	10062 (1561)		
Total glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )		S4	22405 (3475)		
Windshield glass (type/thickness)			Laminated		
Side glass (type/thickness)			Tempered		
Backlight glass (type/thickness)			Tempered		
Tinted (yes/no, location)			Tinted		
Solar control (yes/no, coated/batched, location)			Yes, Dot Matrix, UPR-Backlite		

### Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Halogen, Replacement Bulb - 2 Lamps Each
Shape	Rectangular
Lo-beam type (2A1, 2B1, 2C1, etc.)	HB4
Quantity	2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	HB3
Quantity	2

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Code/Description

ALL

### Climate Control System

Air conditioning (std., opt., man., auto.)		Standard with Manual Operation and Electrically Operated Temperature Door	
Condenser	Type	Serpentine	
	Eff. face area (sq. mm.)	265,281	
	Fins per inch	14	
Evaporator	Type	3-5-5 Parallel Rib "S" Low Plate Type, Round Tank	
	Eff. face area (sq. mm.)	45,212	
	Fins per inch	14	
Heater core	Material	Aluminum	
	Eff. face area (sq. mm.)	29,210	
	Fins per inch	38	
Compressor	Type	V5 Compressor	
	Displacement (cc.)	9.2 cu. in. = 151 cc.	
	Manufacturer	Harrison Division	
	A/C pulley ratio	1.24	1.35 (L82)
Accumulator	Type	None	
	Height (mm.)	None	
	Diameter (mm.)	None	
Receiver	Type	Aluminum	
	Height (mm.)	169	
	Diameter (mm.)	77	
Refrigerant control (CCOT, TVS, etc.)		TXV	
Heater water valve (yes / no)		No	
Refrigerant (R - 12, R - 134a, etc.)		R - 134a	
Charge level (lbs. - oz.)		2.25 lbs	
Cold engine lockout switch (yes / no)		Yes.	
Wide open throttle cutout switch (yes / no)		Yes	

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (#) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description

ALL

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

	Clock (digital, analog)	Part Of Radio Package
	Compass / thermometer	Not Available
	Console (floor, overhead)	Standard Full Floor
	Defroster, electric windshield	Not Available
	Defroster, electric backlight	Optional (C49)
Electronic	Diagnostic monitor (integrated, individual)	Not Available
	Instrument cluster (list instruments)	(UH6) Standard: Temp, Fuel, And Speed (UB3) Optional: Oil Pressure, Volts, Trip Odom & Tach
	Keyless entry	Not Available
	Tripminder (avg. spd., fuel)	Not Available
	Voice alert (list items)	Not Available
	Other	Key Left In/Headlight on/Turn Signal on Warning - Standard
	Fuel door lock (remote, key, electric)	Not Available
Integrated Child Seating	Std./opt. & location in vehicle	
	Number of occupants	
	Occupant weight/height (min. & max.)	
	Restraint system description (3 or 5-point belts/booster seat capability)	
Lamps	Auto head on/off delay, dimming	Standard (T61) Daytime Running Lamps
	Cornering	Not Available
	Courtesy (map, reading)	Standard: Footwell, Dome Optional Reading (DC 4)
	Door lock, ignition	Not Available
	Engine compartment	Not Available
	Fog	Standard On Z26 (T96)
	Glove compartment	Not Available
	Trunk	Standard
	Illuminated entry system (list lamps, activation)	Footwell, Dome With Theater Dimming, Front Door Handle Activation - Std.
Other	Ash Tray Lamp Standard	
Mirrors	Day / night (auto., man.)	Optional (DC4) Manual
	L.H. (remote, power, heated)	Standard (D68) Remote
	R.H. (convex, remote, power, heated)	Standard (D68) Remote
	Visor vanity (RH / LH, illuminated)	Standard RH/LH No Light, No Cover, Optional RH/LH No Light Covered
	Navigation system (describe)	Not Available
	Parking brake-auto release (warning light)	Standard (Manual Release) Warning Light In Lower Area Of Speedometer

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description

ALL

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

Power equipment	Deck lid (release, pull down)		Optional (A90) Power Release	
	Door locks (manual, automatic, describe system)		Standard (AU4) Automatic Door Lock/Unlock	
	Seats	2 - 4 - 6 way, etc.		Not Available
		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 (A31)	
Vent windows		Not Available		
Rear windows		Not Available		
Radio systems	Antenna (location, whip, w/shield, power)		(US6) Standard, Fixed RH Front Fender	
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	(UM7) AM/FM Stereo, Seek, And Clock	
	Optional		(UM6) AM/FM Stereo Cassette, Seek And Scan And Clock (U1C) AM/FM Stereo, Seek, And Scan, Clock ETR & Compact Disc	
	Speaker (number, location)		(UX7) Standard 4 Dual Front Kick Panel, Dual Rear Shelf (U78) Optional 4 Dual Front Kick Panel, (Coax) Dual Rear Shelf	
Roof: open air or fixed (flip-up, sliding, "T")			(AD3) Optional Hinged Removeable	
Speed control device			(K34) Optional	
Speed warning device (light, buzzer, etc.)			Not Available	
Tachometer (rpm)			(UB3) Optional	
Telephone system (describe)			Not Available	
Theft deterrent system			Not Available	

### Trailer Towing

Towing capable	Yes / No	Yes
Engine / transmission / axle	Std. / Opt.	Optional: (L82M13\FR2): 3.1L V6\ 4 Speed Auto\ 2.93 Ratio
Tow class (I, II, III)*	Std. / Opt.	
Max. gross trailer wgt. (lbs.)	Std / Opt.	1000 lbs
Max. trailer tongue load (lbs.)	Std. / Opt.	100 lbs
Towing package available	Yes / No	No

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



# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 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.	COUPE
<b>Width</b>		
Tread (front)	W101	1417 (55.8)
Tread (rear)	W102	1404 (55.3)
Vehicle width	W103	1727 (67.9)
Body width at SgRP (front)	W117	1724 (67.9)
Vehicle width (front doors open)	W120	3901 (153.6)
Vehicle width (rear doors open)	W121	N/A
Tumble-home (degrees)	W122	26°
Outside mirror width	W410	1957 (77.0)

### Length

Wheelbase	L101	2627 (103.4)
Vehicle length	L103	4756 (187.2)
Overhang (front)	L104	1067(42.0)
Overhang (rear)	L105	1063(41.9)
Upper structure length	L123	2693(106.02)
Rear Wheel C/L "X" coordinate	L127	4410(173.6)

### Height \*\*

Passenger distribution (front/rear)	PD1_2,3	2/3
Trunk/cargo load		**
Vehicle height	H101	1351 (53.2)
Cowl point to ground	H114	926 (36.5)
Deck point to ground	H138	1001 (39.4)
Rocker panel-front to ground	H112	220 (8.7)
Rocker panel-rear to ground	H111	228 (8.9)
Windshield slope angle (degrees)	H122	60.5°
Backlight slope angle (degrees)	H121	65.0°

### Ground Clearance \*\*

Front bumper to ground	H102	257.7 (10.0)
Rear bumper to ground	H104	271.3 (10.7)
Bumper to ground front at curb mass (wt.)	H103	275.7 (10.9)
Bumper to ground rear at curb mass (wt.)	H105	292.1 (11.5)
Angle of approach (degrees)	H106	13°
Angle of departure (degrees)	H107	19°
Ramp breakover angle (degrees)	H147	15°
Axle differential to ground (front/rear)	H153	166 (6.5)
Min. running ground clearance	H156	146(5.7)
Location of min. running ground clear.		Front Suspension

\*\* 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.

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

### Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description

SAE  
Ref.  
No.

COUPE

#### Front Compartment

SgRP front, "X" coordinate	L31	3138 (123.5)
Effective head room	H61	956 (37.6)
Max. effective leg room (accelerator)	L34	1097 (43.2)
SgRP to heel point	H30	239 (9.4)
SgRP to heel point	L53	896 (35.3)
Back angle (degrees)	L40	26.5°
Hip angle (degrees)	L42	101.5°
Knee angle (degrees)	L44	134°
Foot angle (degrees)	L46	89°
Design H-point front travel	L17	212 (8.3)
Normal driving & riding seat track trvl.	L23	189 (7.4)
Shoulder room	W3	1360 (53.5)
Hip room	W5	1246 (49.1)
*** Upper body opening to ground	H50	1233 (48.5)
Steering wheel maximum diameter**	W9	386 (15.2)
Steering wheel angle (degrees)	H18	18.5°
Accel. heel pt. to steer. whl. cntr.	L11	533.9 (21.0)
Accel. heel pt. to steer. whl. cntr.	H17	620.9 (24.4)
Undepressed floor covering thickness	H67	16 (.63)

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	760 (29.9)
Effective head room	H63	930 (36.6)
Min. effective leg room	L51	828 (32.6)
SgRP (second to heel)	H31	258 (10.2)
Knee clearance	L48	-39 (-1.5)
Shoulder room	W4	1402 (55.2)
Hip room	W6	1291 (50.8)
*** Upper body opening to ground	H51	N/A
Back angle (degrees)	L41	24.5°
Hip angle (degrees)	L43	80.5°
Knee angle (degrees)	L45	86.5°
Foot angle (degrees)	L47	120.5°
Depressed floor covering thickness	H73	16 (.63)

#### Luggage Compartment

*** Usable luggage capacity L (cu. ft.)	V1	373 (13.2 cu. ft.)
Liftover height	H195	840 (33.1)

#### Interior Volumes (EPA Classification)

Vehicle class	Compact
Interior volume index including trunk/cargo (cu. ft.)**	103.4
Trunk/cargo index (cu. ft.)	13.2 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

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary) Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description

2 DOOR NOTCHBACK

Station Wagon/MPV\*  
 -Third Seat

SAE  
 Ref.  
 No. (NOT APPLICABLE)

Seat facing direction	SD1	
SgRP couple distance	L85	
Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
SgRP to heel point	H87	
Knee clearance	L87	
Back angle (degrees)	L88	
Hip angle (degrees)	L89	
Knee angle (degrees)	L90	
Foot angle (degrees)	L91	

### Station Wagon/MPV\* - Cargo Space (NOT APPLICABLE)

Cargo length (open front)	L200	
Cargo length (open second)	L201	
Cargo length (closed front)	L202	
Cargo length (closed second)	L203	
Cargo length at belt (front)	L204	
Cargo length at belt (second)	L205	
Cargo width (wheelhouse)	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Min. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H187	
Cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V2	
Hidden cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V4	
Cargo volume index-rear of 2-seat	V10	
Cargo volume index**	V6	
Cargo width at floor*	W500	
Maximum cargo height*	H505	

### Hatchback - Cargo Space (NOT APPLICABLE)

Cargo length at front seatback height	L208	
Cargo length at floor (front)	L209	
Cargo length at second seatback height	L210	
Cargo length at floor (second)	L211	
Front seatback to load floor height	H187	
Second seatback to load floor height	H198	
Cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V3	
Hidden cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V4	
Cargo volume index - rear of 2-seat	V11	

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

\* MPV - Multipurpose Vehicle

\*\* EPA Loaded Vehicle Weight, Loading Conditions

# AAMA Specifications

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/  
Description

COUPE

### 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**	346 (13.6)
	L54**	2761 (108.7)
	H81**	211 (8.3)
	H181**	258.2 (10.2)
	H183**	242.0 (9.52)
Rear	W22**	440 (17.3)
	L55**	4953 (195)
	H82**	362 (14.3)
	H182**	417.8 (16.4)
	H184**	396.4 (15.6)

\* 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.

**AAMA Specifications**  
**METRIC (U.S. Customary)**

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●)

		VEHICLE MASS (WEIGHT)				% PASS MASS DISTRIBUTION				
Code	Model	CURB MASS, kg. (lb.)*			Shipping Mass kg (lb)***	ETWC** Code	Pass in Front		Pass in Rear	
		Front	Rear	Total			Front	Rear	Front	Rear
BERETTA 1LV37	2-Door Notchback Coupe (LN2 & MR3)	769	486	1255	1217	R	48	52	19	81
		(1695)	(1072)	(2767)	(2683)					
BERETTA "Z26" 1LW37		863	499	1362	1324	S	48	52	19	81
		(1903)	(1100)	(3003)	(2919)					

\* 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.

**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:  
 39 KG Fuel To Capacity (86 Lbs)

**AAMA Specifications**  
**METRIC (U.S. Customary)**

Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●) \_\_\_\_\_

		Optional Equipment Differential Mass (weight)*			
Code	Equipment	MASS, kg. (lb.)			Remarks Restrictions, Requirements
		Front	Rear	Total	
AD3	Sunroof - Hinged Roof	4.8 (10.6)	3.8 (8.4)	8.6 (19.0)	
AM9	Split Second Seat Back	0.2 (0.4)	1.0 (2.2)	1.2 (2.6)	
AP9	Convenience Net	-0.2 (-0.4)	0.8 (1.7)	0.6 (1.3)	
A31	Power Windows	1.4 (3.1)	2.2 (4.8)	3.6 (7.9)	
A44	Adjuster-Pass Seat Manual 4-Way	1.6 (3.5)	0.8 (1.8)	2.4 (5.3)	
A90	Power Trunk Opener	-2 (-0.4)	1.0 (2.2)	0.8 (1.8)	
B37	Floor Mats - Front & Rear	1.6 (3.5)	1.0 (2.2)	2.6 (5.7)	
CD4	Intermittent Windshield Wiper Sys.	.2 (0.4)	0 0	.2 (0.4)	
C49	Electric Rear Window Defogger	0 0	.4 (0.9)	.4 (0.9)	
D34	Mirror - I/S Sunshade	0.2 (0.4)	0 0	0.2 (0.4)	
D52	Spoiler - Rear End Sport	-1.0 (-2.2)	3.4 (7.5)	2.4 (5.3)	
FE2	Ride & Handling Susp. System	0.4 (0.9)	0.8 (1.7)	1.2 (2.6)	
FE3	Sport Suspension System	0.4 (0.9)	0.8 (1.7)	1.2 (2.6)	
KO5	Engine Block Heater	.2 (0.4)	0 0	.2 (0.4)	
K34	Electronic Speed Control (With Resume Speed)	1.8 (3.9)	0 0	1.8 (3.9)	
L82	3.1 Liter V6 (Engine, MFI H.O.)	45 (99)	-3.0 (-6.6)	42 (93)	
MD9	Automatic Transmission (3-Speed Auto.)	18.2 (40.1)	-1.6 (-3.5)	16.6 (36.6)	With STD LN2 Engine Only

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

**AAMA Specifications**  
**METRIC (U.S. Customary)**

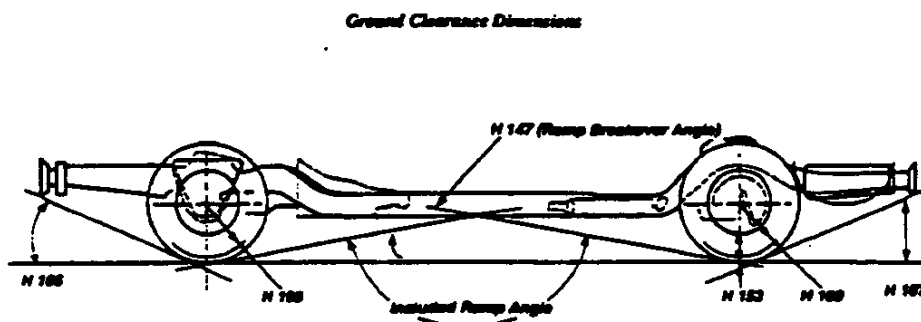
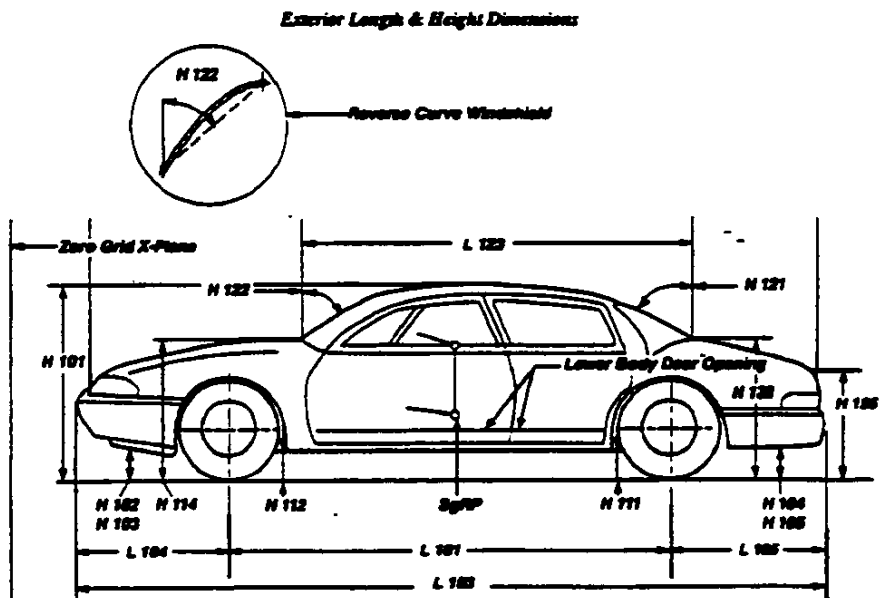
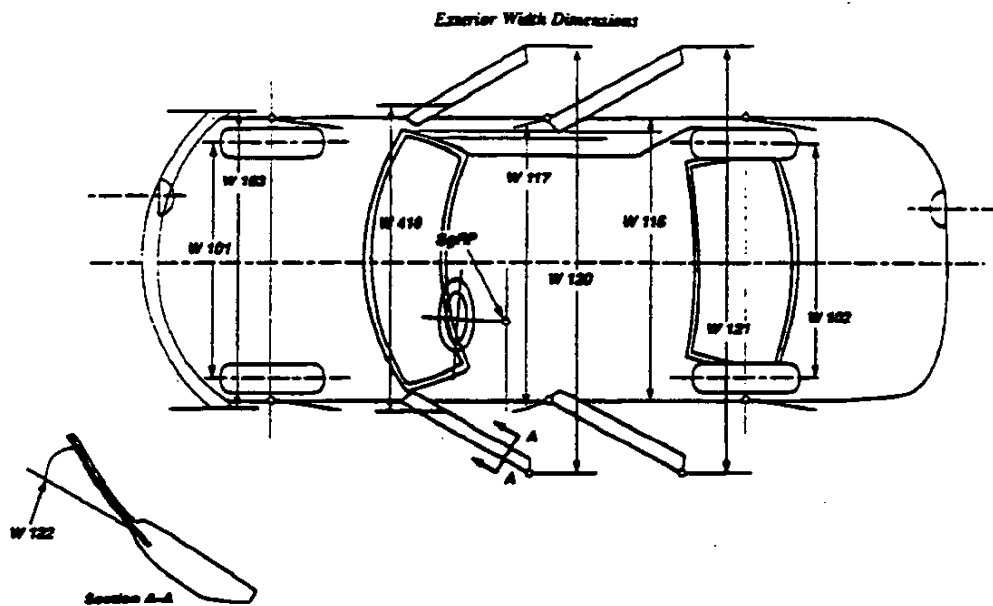
Vehicle Line BERETTA  
 Model Year 1996 Issued 9-95 Revised (●)

Code	Equipment	Optional Equipment Differential Mass (weight)*			Remarks Restrictions, Requirements
		MASS, kg. (lb.)			
		Front	Rear	Total	
M13	Transmission - 4 Speed Automatic	35.6 (78.5)	-1.4 (-3.1)	34.2 (75.4)	With Lg2 Engine Only
N33	Comfortilt Steering Wheel	0.4 (0.9)	0.2 (0.4)	0.6 (1.3)	
PF4	Aluminum Wheel - 16"	3.6 (8.0)	3.6 (8.0)	7.2 (16.0)	
PG1	Steel Wheel - "15"	1.2 (2.6)	1.2 (2.6)	2.4 (5.3)	
QIM	P205/60R15 Tires	1.2 (2.6)	1.2 (2.6)	2.4 (5.2)	
QMS	P205/55R16 Tires	2.0 (4.4)	1.8 (3.7)	3.8 (8.4)	
T96	Lamp Fog	1.2 (2.6)	0 0	1.2 (2.6)	
UA1	Heavy Duty Battery	1.6 (3.5)	-0.4 (-0.9)	1.2 (2.6)	Required With Auto. Trans. On L4 Mandatory For Canada
U05	Dual Horns	0.4 (0.9)	0 0	0.4 (0.9)	
U1C	Radio-AM/FM Stereo Seek/Scan (With Compact Disc)	1.0 (2.2)	0 (0.0)	1.0 (2.2)	
VK3	Front License Plate Mounting	0.4 (0.9)	0 0	0.4 (0.90)	
Z04	Beretta "Z26"	4.0 (8.8)	6.0 (13.2)	10.0 (22.0)	
PB4	Wheel - Locks	0.2 (0.4)	0.2 (0.4)	0.4 (0.8)	

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

# AAMA Specifications METRIC (U.S. Customary)

## Exterior Vehicle And Body Dimensions - Key Sheet

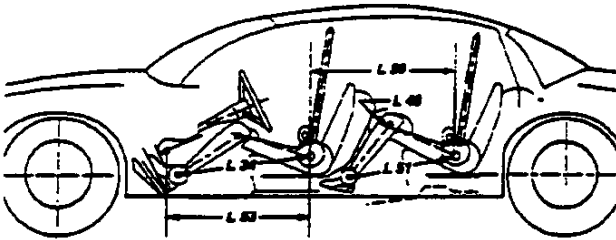




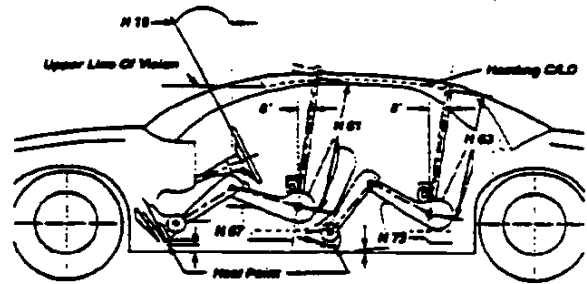
# AAMA Specifications METRIC (U.S. Customary)

## Interior Vehicle And Body Dimensions - Key Sheet

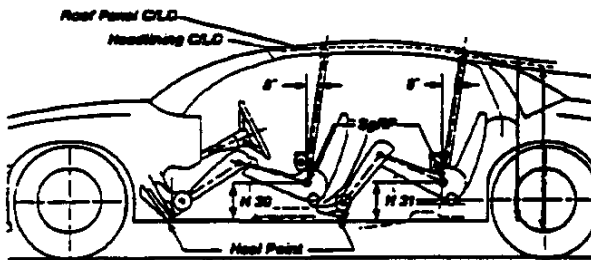
Interior Length Dimensions



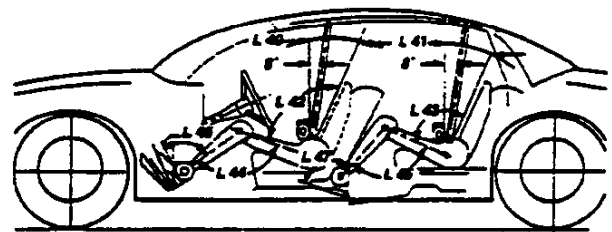
Interior Height Dimensions



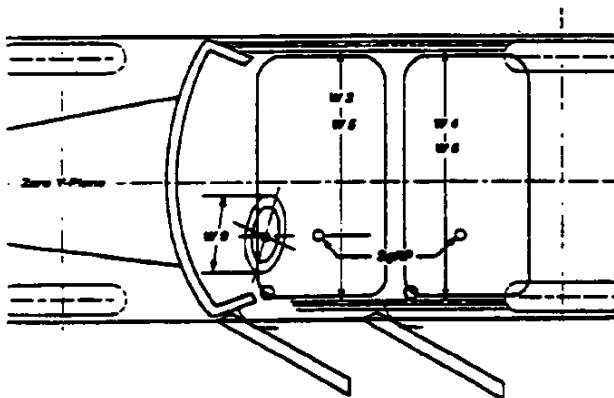
Interior Height Dimensions



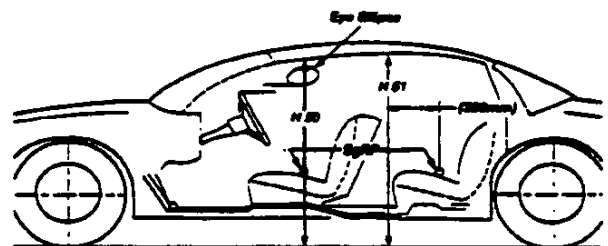
Interior Length Dimensions



Interior Width Dimensions



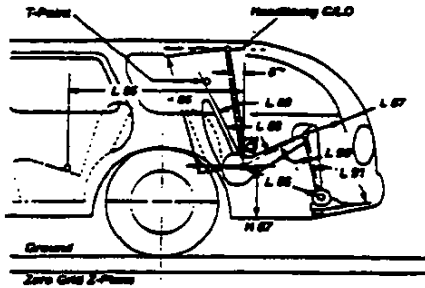
Interior Height Dimensions



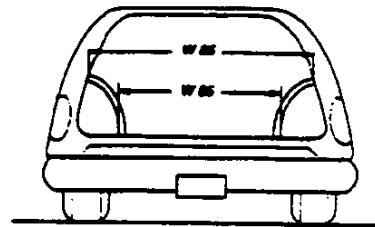
**AAMA Specifications  
METRIC (U.S. Customary)**

**Interior Vehicle And Body Dimensions - Key Sheet**

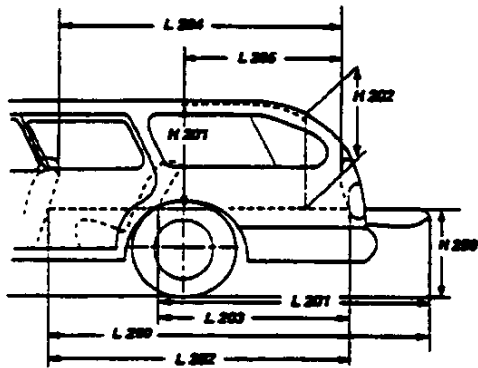
*Interior Dimensions, Station Wagon Third Seat*



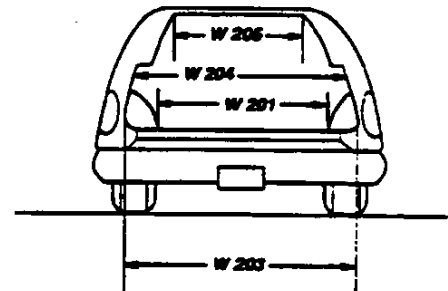
*Interior Dimensions*



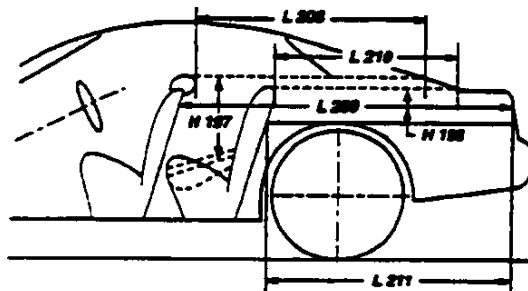
*Cargo Space Dimensions*



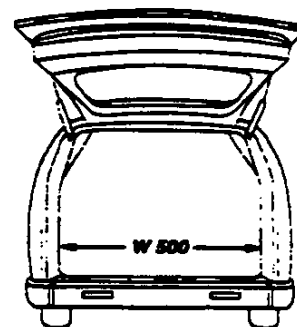
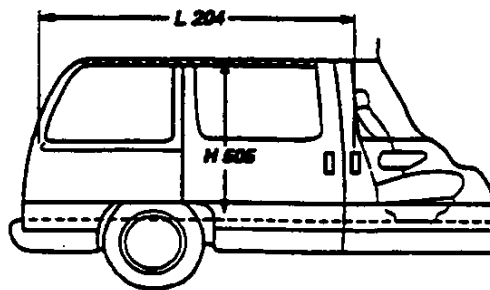
*Cargo Space Dimensions*



*Cargo Space Dimensions*



*Multipurpose Vehicle Cargo Space*



# AAMA Specifications

## METRIC (U. S. Customary)

### 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.

# AAMA Specifications

## METRIC (U. S. Customary)

### 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.

# AAMA Specifications

## METRIC (U. S. Customary)

### 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.

# AAMA Specifications

## METRIC (U. S. Customary)

### Interior Vehicle And Body Dimensions - Key Sheet

#### Dimensions Definitions

<p>V2 STATION WAGON Measured in inches:</p> $\frac{W4 \times H201 \times L204}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{W4 \times H201 \times L204}{10^9} = \text{m}^3(\text{cubicmeter})$	<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> $\frac{L506 \times W505 \times H503}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{L506 \times W505 \times H503}{10^9} = \text{m}^3(\text{cubicmeter})$	<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> $\frac{L204 \times W500 \times H505}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{L204 \times W500 \times H505}{10^9} = \text{m}^3(\text{cubicmeter})$	<p>V3 HATCHBACK. Measured in inches:</p> $\frac{L208 + L209}{2} \times \frac{W4 \times H197}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{L208 + L209}{2} \times \frac{W4 \times H197}{10^9} = \text{m}^3(\text{cubicmeter})$
<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> $\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{10^9} = \text{m}^3(\text{cubicmeter})$	<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> $\frac{L210 + L211}{2} \times \frac{W4 \times H198}{1728} = \text{ft.}^3$ <p>Measured in mm:</p> $\frac{L210 + L211}{2} \times \frac{W4 \times H198}{10^9} = \text{m}^3(\text{cubicmeter})$

#### 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).

# AAMA Specifications

## METRIC (U. S. Customary)

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