

**WVRO**  
E  
②

**1998**

Are YOU ready??  to ROCK n' ROLL??

# Specifications

## METRIC

### 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.

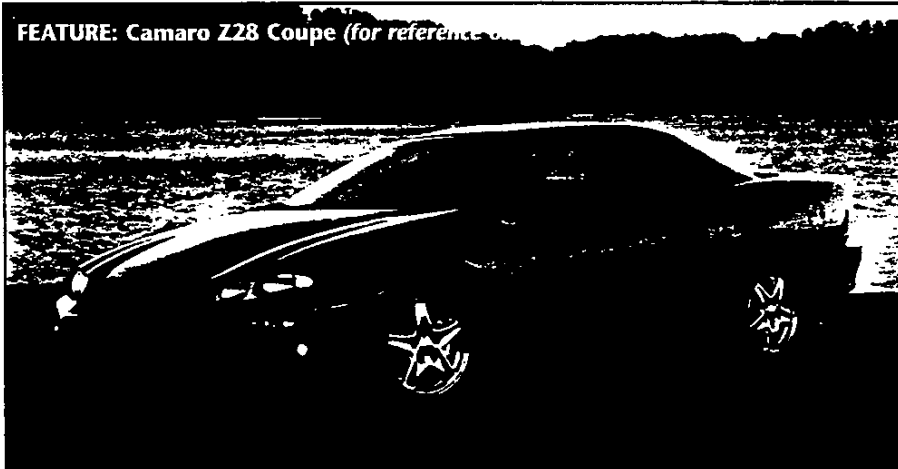
H250 TAILGATE TO GROUND CURB MASS (WT.) The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

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.

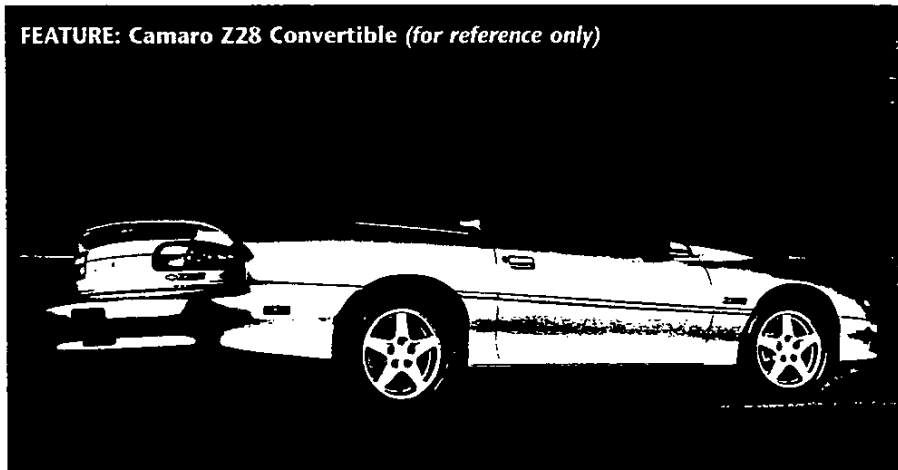


# Camaro

Dealer Order Guide inserts are your first look at Chevrolet Passenger Car models for 1998. Overall improvements, changes and deletions are highlighted. Use these inserts to assist you in ordering your initial shipments. NOTE: This information is preliminary and is subject to change.



**FEATURE: Camaro Z28 Coupe (for reference only)**



**FEATURE: Camaro Z28 Convertible (for reference only)**

**Camaro at a glance**

*The 1998 Camaro adds to its legendary sports car image, with the aggressive performance of a new 5.7 Liter V8 engine with 305 horsepower and a refined front-end treatment that commands attention.*



Camaro



*The Focus vehicle is the model chosen for its saleability. It is equipped with the product features that customers want most. Generally, it is the "volume" vehicle that comprises the majority of the build. You'll want to be sure you have several of these models in stock. NOTE: Model, PEG and optional equipment may vary in your locality. Use the Retail Sales Analysis (RSA) to verify or select your dealership's Focus vehicle content.*

## Camaro Coupe with PEG 15B

**Ordering Recommendations:**  
The Focus vehicle for 1998 is Camaro Coupe with Preferred Equipment Group 15B. Recommended content, based on anticipated national sales volume, is listed below to assist your dealership in ordering.

See page 4 for additional standard feature details.

Camaro Coupe with Preferred Equipment Group 15B includes:

- Electronic Speed Control with Resume Speed
- Remote Hatch Release
- Foglamps.

**Suggested Individual Options:**

- 4-Speed Electronically Controlled Automatic Transmission
- Electric Rear-Window Defogger
- Body-Side Moldings, Color-Keyed
- 16" Aluminum Wheels
- P235/55R-16 Blackwall Tires.

Popular Colors: Bright Red, Black, Arctic White, Sport Gold Metallic and Sebring Silver.



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

## Camaro Z28 Coupe and Z28 Convertible

The Feature vehicles for 1998 are Camaro Z28 Coupe and Z28 Convertible. These fun-to-drive sports cars offer a unique level of styling. Camaro is loaded with advanced technology features that one would expect in more expensive sports cars.

Camaro Z28 Coupe and Convertible features include:

- Driver and Front-Passenger Air Bags
- Four-Wheel Anti-Lock Disc Brake System
- Analog Gauge Package with Tachometer, Standard
- P235/55R-16 Blackwall Tires
- 16" Aluminum Wheels (chrome finish available, shown on Z28 Coupe above)
- Tilt-Wheel™ Adjustable Steering Column
- AM/FM Stereo with Cassette Player.

Popular Colors: Bright Red, Black and Arctic White.

# Specifications

## METRIC

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# Camaro



*S.P.A.C.E. is an acronym to help organize and explain key features and benefits in five major categories a customer needs and wants. Overall improvements, changes and deletions are highlighted. Please review the supplied information, keeping in mind that this material is provided to you before production start-up — and is liable to change.*

## S.P.A.C.E. (New-for-'98 features appear in color.)



### SAFETY

• **DRIVER AND FRONT-PASSENGER AIR BAGS** — help reduce the chance of injury in certain moderate to severe frontal collisions. Always wear safety belts, even with air bags. • **AUTOMATIC DAYTIME RUNNING LAMPS** — make it easier for others to see your vehicle during the day. • **FOUR-WHEEL ANTI-LOCK DISC BRAKE SYSTEM (ABS)** — helps reduce wheel lockup and helps driver maintain steering control during severe braking, even on slippery surfaces. • **PASS-Key II THEFT-DETERRENT SYSTEM** — consists of a coded ignition key which must match a measurement circuit in the steering column to enable the engine to start.



### PERFORMANCE

• **5.7L LS1 V8 ENGINE** — standard in Z28, this new aluminum block powerplant produces 305 hp @ 5200 rpm and 335 lb.-ft. of torque @ 4000 rpm, and features a composite intake manifold and air induction system. • **NEW STANDARD 4-WHEEL DISC BRAKE SYSTEM** — features enhanced standard anti-lock brake system components, asbestos-free organic brake pads and electronic brake-force controller for enhanced stopping power. • **NEW 17" PERFORMANCE TIRES (SS ONLY — LATE AVAILABILITY)** — provide optimum ride and handling. • **3800 V6 SFI** — this responsive engine offers 200 hp @ 5200 rpm and 225 lb.-ft. of torque @ 4000 rpm for outstanding performance. • **OPTIONAL ACCELERATION SLIP REGULATION (ASR)** — a sophisticated traction control system that helps minimize wheel spin on low-traction surfaces (Z28 only). • **OPTIONAL SS PERFORMANCE/APPEARANCE PACKAGE (LATE AVAILABILITY)** — the "hottest Camaro of all" features the 5.7L LS1 V8 engine with increased horsepower, a unique hood, special 17" wheels and new Performance tires, unique rear spoiler and more. • **OPTIONAL PERFORMANCE HANDLING PACKAGE (V6 ONLY)** — includes 3.42:1 performance axle ratio (with automatic transmission), limited slip axle, dual outlet exhaust and sport steering ratio.



### APPEARANCE

• **FRONT FENDERS AND HOOD** — for enhanced Camaro identity. • **FRONT FASCIA** — features new composite headlamps with reflector optics. • **NEW OPTIONAL ROUND FOGLAMPS** — are located below turn signals for a fresh styling touch. • **TWO NEW EXTERIOR COLORS** — Sport Gold Metallic and Navy Blue Metallic. • **BODY-COLOR DOOR HANDLES ON ALL MODELS** — for enhanced exterior. • **OPTIONAL MONOCHROMATIC SPECIAL ROOF TREATMENT** — T-Top Coupe and Z28 Coupe buyers have the choice of a body-color roof and mirrors.



### COMFORT AND CONVENIENCE

• **SIDE-WINDOW DEFOGGERS** — conveniently remove condensation from driver and front passenger-side windows. • **FULL-FOLDING REAR SEATBACK** — provides additional cargo-carrying flexibility. • **OPTIONAL LEATHER SEATING SURFACES** — offer luxurious style and comfort. • **GLASS REAR WINDOW WITH INTEGRAL DEFOGGER ON CONVERTIBLE MODELS** — provides better visibility and durability than a plastic window. • **OPTIONAL REMOVABLE ROOF PANELS (ON COUPE MODELS)** — allow the driver to enjoy an open-air ride.



### EASY-TO-OWN

• **SCOTCHGARD™ PROTECTOR** — on cloth seats, door panels and floor coverings; resists stains and makes cleanup easy. • **EXTENDED-LIFE COOLANT** — has a first-scheduled replacement interval of 5 years/150,000 miles, whichever comes first.\* • **PLATINUM-TIP SPARK PLUGS** — allow up to 100,000 miles before the first scheduled tune-up.\* • **GENUINE CUSTOMER CARE** — a 3-year/36,000-mile, no deductible, Bumper to Bumper limited warranty, 24-Hour Roadside Assistance via a toll-free hot line and Courtesy Transportation, if your vehicle ever needs warranty work, at participating dealers. • **BATTERY-RUNDOWN PROTECTION** — automatically turns off interior lights after 20 minutes if they are inadvertently left on.

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

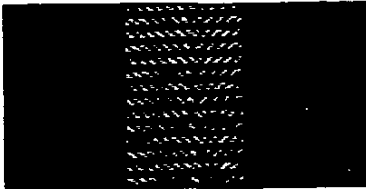
ORANGE

## CAMARO

## STANDARD EQUIPMENT SUMMARY

		1FP87 BASE CP	1FP67 BASE CV	1FP87 Z28 CPE	1FP67 Z28 CVT
<b>CHASSIS</b>					
AXLE:	REAR, LIMITED SLIP	-	-	S	S
	3.08 W/MX0	S	S	-	-
	3.23 W/MM5	S	S	-	-
	2.73 W/MX0	-	-	S	S
	3.42 W/MN6	-	-	S	S
BATTERY:	RUNDOWN PROTECTION	S	S	S	S
BELT:	ACCESSORY DRIVE, SINGLE SERPENTINE	S	S	S	S
BRAKES:	4-WHEEL ANTI-LOCK	S	S	S	S
	DISC, POWER FRONT AND REAR	S	S	S	S
ENGINE:	3800 LITER SFI V6	S	S	-	-
	5.7 LITER SMALL BLOCK V8	-	-	S	S
FUEL TANK:	15.5 GALLON CAPACITY	S	S	S	S
SHOCKS:	MONOTUBE, GAS CHARGED (FRONT/REAR)	S	S	S	S
STABILIZER BAR:	FRONT AND REAR	S	S	S	S
STEERING:	POWER RACK AND PINION	S	S	S	S
	TILT WHEEL	S	S	S	S
TRANSMISSION:	5-SPEED MANUAL	S	S	-	-
	4-SPEED AUTOMATIC	-	-	S	S
<b>INTERIOR</b>					
AIR CONDITIONING:		S	S	S	S
CONSOLE:	CENTER, W/CUP HOLDERS, STORAGE COMPARTMENT	S	S	S	S
DEFOGGERS:	REAR WINDOW	-	S	-	S
	SIDE WINDOWS	S	S	S	S
GAGES:	GAGE PKG W/TACH & SPEEDOMETER, DIGITAL ODOM.	S	S	S	S
GLASS:	REAR WINDOW	-	S	-	S
	TINTED, SOLAR-RAY	S	S	S	S
LIGHTING:	COURTESY REAR SEAT AND TRUNK	-	S	-	S
MIRRORS:	REARVIEW, W/DUAL READING LAMPS	S	S	S	S
OUTLET:	AUXILIARY POWER IN CONSOLE	S	S	S	S
RADIO:	AM/FM STEREO W/CASSETTE	S	S	S	S
RESTRAINT SYSTEM:	DRIVER AND FRONT PASSENGER AIR BAGS	S	S	S	S

### Trim Colors



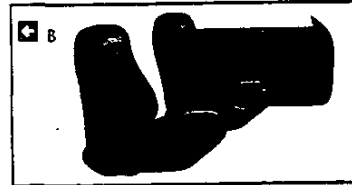
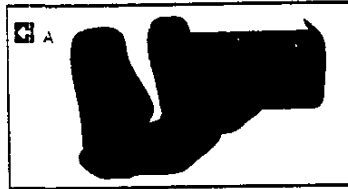
Cloth available in Dark Gray, Neutral and Flame Red.\*



Leather seating surfaces available in Dark Gray, Neutral and White.

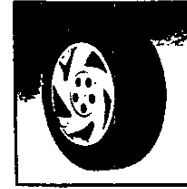
\* Flame Red on door trim and seat inserts only, with Dark Gray accents.

### Seat Styles

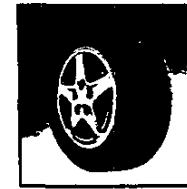


- A. Reclining cloth bucket seats.
- B. Reclining bucket seats with optional leather seating surfaces.

### Wheels



Camaro standard 16" steel bolt-on wheel cover.



(RPO N96) Camaro 16" cast-aluminum wheel. Optional on Base (included with available RS Appearance Package), standard on Z28.\*



(RPO WU8) Camaro SS 17" cast-aluminum wheel. Included with optional SS Performance Appearance Package on Z28 models.

\* (RPO N98) Optional chrome finish on all models.

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

#### INTERIOR MATERIAL COLORS

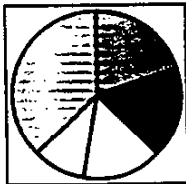
	Dark Gray	Neutral	Flame Red	White*
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#### EXTERIOR COLORS

Bright Red	✓	✓	✓	✓
Black	✓	✓	✓	✓
Arctic White	✓	✓	✓	✓
Sport Gold Metallic	✓	✓		✓

See order guide for color availability by model. \*White available only with optional leather seating surfaces.

### Most Popular Exterior Colors by Percentage



Clockwise, at left, are the anticipated four most popular Camaro colors for 1998, 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	20%
Black	18%
Arctic White	15%
Sport Gold Metallic	10%
Other colors	37%

NOTE: New Camaro exterior colors are Sport Gold Metallic (#63) and Navy Blue Metallic (#28). Medium Quasar Blue Metallic (#80) and Polo Green Metallic (#40) have been deleted.



# CAMARO COUPE

## Model 1FP87 CAMARO COUPE

\*Includes Destination & Handling Charges

**MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED**

	1SA	1SB	1SC
<b>Base Preferred Equipment Group</b> (Refer Standard Equipment Summary Page)	x	x	x
<b>Preferred Equipment Group 1</b>			
Speed Control: Electronic. w/Resume Speed		x	x
Remote Hatch Release		x	x
Power Door Lock System		x	x
Fog Lamps		x	x
<b>Preferred Equipment Group 2</b>			
Power Windows w/Driver's Side Express Down Feature			x
Mirrors, Sport Dual Remote Electric			x
Leather Wrapped Steering Wheel: w/ Transmission Shifter and Parking Brake Release Handle			x
Remote Keyless Entry w/Illuminated Interior Feature			x
Theft Deterrent Alarm System			x

## ADDITIONAL OPTIONS

### ACKNOWLEDGMENTS:

- R8S Multiple Order Numbers
- R8T Preliminary Invoice (Refer Vehicle Price Schedule)
- VK3 **BRACKET:** License Plate, Front
- DEFOGGER: (MUST SPECIFY)**
- C49 Rear Window: Electric
- R9W Rear Window Defogger Not Desired
- EMISSIONS: (MUST SPECIFY) (Refer Emission Requirements Tab Section)**
- FE9 Federal Emission Requirements
- NG1 New York, Massachusetts or Connecticut Emission Requirements
- YF5 California Emission Requirements
- NB8 CA, NY, MA or CT State Emission Override (Reqs FE9 Emissions)
- NC7 Federal Emission Override (Reqs YF5 or NG1 Emissions)
- B35 **FLOOR COVERING:** Mats, Carpeted Rear
- AU0 **KEYLESS ENTRY:** Remote (Incl w/1SC) (Reqs 1SB) (Incls Theft Deterrent Alarm)
- B84 **MOLDINGS:** Body Side, Color-Keyed
- Y87 **PERFORMANCE HANDLING PKG:** (Incls Limited Slip Axle, Dual Outlet Exhaust and Sport Steering Ratio(Reqs 1SB or 1SC) (Reqs QCB&N96 or N98) (w/MX0 Incls 3.42 Performance Axle)

## Competitive Models

Camaro Coupe primary competition includes:

- Ford Mustang
- Ford Probe
- Eagle Talon/Mitsubishi Eclipse
- Toyota Celica ST
- Honda Prelude
- Chrysler Sebring.

The main competition for Camaro Z28 and Camaro SS includes:

- Ford Mustang GT
- Eclipse/Talon (performance versions)
- Mitsubishi 3000 GT
- Toyota Celica GT
- Toyota Supra.

## New for 1998

- The Camaro front end has been totally redesigned for a sleeker, more sculptured appearance.
- Chassis upgrades include a new 4-wheel disc brake system, new ABS system components, new suspension tuning and improved optional Acceleration Slip Regulation for models with V8 engines.
- New to Camaro, the 5.7 Liter LS1 V8 aluminum block engine is designed to bring new levels of performance to Z28 models. A 305 horsepower rating, composite intake manifold and air induction system team up to offer real "push your shoulders back" performance.
- RS becomes an Appearance Package, available on Coupe and Convertible.
- The SS Performance Appearance Package (late availability) is available on both Z28 Coupe and Z28 Convertible models. The SS Package features an exclusive SS composite hood with functional air scoop, new headlamp and front-fender design, new P275/50ZR-17 Performance tires with specific 17" x 9" wheels and new SS-specific spoiler.

## Additional Information on Significant Features

- Camaro offers lockable T-Tops, not offered by any of the primary competition (Ford Mustang doesn't even have a sunroof). Consider marketing T-Tops as a low-cost alternative to competitors' convertibles.

## Feature Availability

	Coupe		Z28	
	Coupe	Convertible	Coupe	Convertible
<b>INTERIOR</b>				
Air Bags – Driver and Front-Passenger	S	S	S	S
Air Conditioning – with CFC-Free Refrigerant	S	S	S	S
Door Locks – Power	O	O	O	O
Defogger – Electric Rear-Window	O	S	O	S
Gauge Package with Tachometer	S	S	S	S
Mirror – Day/Night w/Dual Reading Lamps	S	S	S	S
Scotchgard™ Protector <sup>1</sup>	S	S	S	S
Seats – Leather Seating Surface	O	O	O	O
Steering Column – Tilt-Wheel™ Adjustable	S	S	S	S
Stereo – AM/FM w/Cassette Player	S	S	S	S
– AM/FM w/Cassette Player	O <sup>2</sup>	O	O <sup>2</sup>	O
– AM/FM w/CD Player	O <sup>2</sup>	O	O <sup>2</sup>	O
– Remote 12-Disc CD Changer	O	O	O	O
Theft-Deterrent System – PASS-Key II	S	S	S	S
Remote Keyless Entry with Theft Alarm	O	O	O	O
Windows – Power with Driver's Express-Down Feature	O	O	O	O
<b>EXTERIOR</b>				
Exhaust System – Stainless-Steel	S	S	S	S
Daytime Running Lamps – Automatic, w/Exterior Lamp Control	S	S	S	S
Foglamps	O	O	O	O
Mirrors – Outside, Special Black, LH Remote/RH Manual	NA	NA	S	NA
– Outside, Body-Color, LH Remote/RH Manual	S	S		S
– Outside, Twin Sport Remote Electric	O	O	O	O
Tires – P215/60R-16 Blackwall	S	S	NA	NA
– P235/55R-16 Blackwall	O	O	S	S
– P245/50ZR-16 Blackwall				
All-Season Performance	NA	NA	O	O
– P245/50ZR-16 Blackwall with Performance Package	NA	NA	O	O
RS Appearance Package	O	O	NA	NA
SS Performance Appearance Package	NA	NA	O	O
Wheels – 16" Steel w/Bolt-On Wheel Covers	S	S	NA	NA
– 16" Aluminum	O <sup>3</sup>	O <sup>3</sup>	S	S
– 16" Chrome Aluminum	O <sup>3</sup>	O <sup>3</sup>	O	O
<b>FUNCTIONAL</b>				
Acceleration Slip Regulation	NA	NA	O	O
Brakes – Power Front/Rear Disc with ABS	S	S	S	S
Engine – 3800 V6 SFI	S	S	NA	NA
– 5.7 Liter V8 SFI	NA	NA	S	S
Limited Slip Rear Axle	O <sup>4</sup>	O <sup>4</sup>	S	S
Performance Handling Package	O	O	NA	NA
Steering – Power Rack-and-Pinion	S	S	S	S
Suspension – Firm Ride and Handling	S	S	NA	NA
– Performance Ride and Handling	NA	NA	S	S
Transmission – 5-Speed Manual	S	S	NA	NA
– 6-Speed Manual	NA	NA	O	O
– 4-Speed Electronically Controlled Automatic <sup>5</sup>	O	O	S	S

S — Standard. O — Optional. (Some options may be available only as part of a Preferred Equipment Group; see your order guide for feature availability.) NA — Not available. 1 NA on leather seating surfaces. 2 Includes 200-watt music system on Coupe models. 3 Requires (QCB) P235/55R-16 B.W tires. 4 Included with (Y87) Performance Handling Package. 5 Includes second-gear start switch.

**CAMARO COUPE**

**INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART**

PLEASE NOTE: The Exterior Paint and Interior Trim Combinations Shown Below are the only Combinations Available

**SOLID PAINT APPLICATION - *WITHOUT* SPORT APPEARANCE (Y3F) PACKAGE**

N.C. 499.00	<b>TRIM LEVEL</b>	Dk Gray	Neutral	Red Accent	White
	Cloth Bucket	14B	52B	(a)73B	
	Leather Seating Surface Bucket	142	522		102
<b>EXTERIOR COLORS</b>	<b>COLOR CODE</b>	<b>RECOMMENDED INTERIOR TRIM COLORS</b>			
<b>SOLID PAINT</b>					
Black	41U	x	x	x	x
Blue, Navy (Met)	28U	x	x		x
Gold, Sport (Met)	63U	x	x		x
Green, Bright (Met)	31U	x	x		x
Purple, Bright (Met)	88U	x	x		x
Red, Bright	81U	x	x	x	x
Red, Cayenne (Met)	96U	x	x		x
Silver, Sebring (Met)	13U	x		x	x
Teal Mystic (Met)	79U	x	x		x
White, Arctic	10U	x	x	x	x

(a)Red Accent on Door Trim & Seat Inserts only, with Dk. Gray Accents

**SOLID PAINT APPLICATION - *WITH* SPORT APPEARANCE (Y3F) PACKAGE**

N.C. 499.00	<b>TRIM LEVEL</b>	Dk Gray	Neutral	Red Accent	White
	Cloth Bucket	14B	52B	(a)73B	
	Leather Seating Surface Bucket	142	522		102
<b>EXTERIOR COLORS</b>	<b>COLOR CODE</b>	<b>RECOMMENDED INTERIOR TRIM COLORS</b>			
<b>SOLID PAINT</b>					
Black	41U	x	x	x	x
Blue, Navy (Met)	28U	x	x		x
Gold, Sport (Met)	63U	x	x		x
Green, Bright (Met)	31U	x	x		x
Purple, Bright (Met)	88U	x	x		x
Red, Bright	81U	x	x	x	x
Silver, Sebring (Met)	13U	x		x	x
White, Arctic	10U	x	x	x	x

(a)Red Accent on Door Trim & Seat Inserts only, with Dk. Gray Accents

**CAMARO**

**STANDARD EQUIPMENT SUMMARY**

		1FP87	1FP67	1FP87	1FP67
		BASE CP	BASE CV	Z28 CPE	Z28 CVT
<b><u>INTERIOR continued . . . .</u></b>					
SCOTCHGARD:	FABRIC PROTECTOR, INCLUDING SEATS, DOOR TRIM, AND FLOOR COVERING	S	S	S	S
SEATS:	4-WAY MANUAL SEAT ADJUSTER-DRIVER'S SIDE CLOTH RECLINING BUCKET W/INTEGRAL HEAD RESTRAINTS	S	S	S	S
	REAR FULL FOLDING BACK	S	S	S	S
SPEAKER SYS:	EXTENDED RANGE SPEAKERS	S	-	S	-
	PREMIUM COAXIAL	-	S	-	S
SPEEDOMETER:	155 MPH	-	-	S	S
	125 MPH	S	S	-	-
STEERING WHEEL:	TILT WHEEL	S	S	S	S
STORAGE BIN:	COMPARTMENT IN DOORS	S	S	S	S
VISORS:	COVERED MIRROR LH & RH (W/STORAGE STRAPS)	S	S	S	S
WARNING LIGHTS:	CHECK GAGES	S	S	S	S
	LOW COOLANT LEVEL	-	-	S	S
	LOW OIL LEVEL	S	S	S	S
<b><u>EXTERIOR</u></b>					
HARD BOOT:	THREE PIECE WITH STORAGE BAG	-	S	-	S
LIGHTS:	AUTOMATIC DAYTIME RUNNING LAMPS	S	S	S	S
	COMPOSITE HEADLAMPS, REFLECTOR OPTICS W/AUTOMATIC CONTROL	S	S	S	S
MIRRORS:	SPECIAL BLACK (LH REMOTE/RH MANUAL)	-	-	S	-
	BODY-COLORED, DUAL SPORT (LH REMOTE/RH MAN)	S	S	-	S
PASS KEY II:	THEFT DETERRENT SYSTEM	S	S	S	S
ROOF:	SPECIAL BLACK TREATMENT (W/BLACK MIRRORS)	-	-	S	-
SPOILER:	REAR DECK	S	S	S	S
TIRES:	P215/60R-16 B/W	S	S	-	-
	P235/55R-16 B/W	-	-	S	S
TOP:	FOLDING, POWER	-	S	-	S
WHEEL COVERS:	16" STEEL BOLT-ON	S	S	-	-
WHEELS:	16" ALUMINUM	-	-	S	S
WIPERS:	INTERMITTENT	S	S	S	S

## CAMARO CONVERTIBLE

### ADDITIONAL OPTIONS

AG1 SEATS, ADDITIONAL: Power (6-Way Driver)

QCB TIRES: P235/55R-16 BW (Reqs N96 or N98 Wheels)

TRANSMISSIONS: (MUST SPECIFY)

MM5 5-Speed Manual (Base)

MX0 4-Speed Automatic, Electronically Controlled (Incls 2nd Gear Start)

WHEELS:

N96 16" Aluminum (Reqs QCB Tires)

N98 16" Chrome Aluminum (Reqs QCB Tires)

Y3F SPORT APPEARANCE PACKAGE: (Front Fascia Extension, Rocker Moldings, Spoiler Extension, Rear Fascia Molding (Incls N96 Wheels) (Incls QCB Tires) (Avail. w/N98 Wheels)

# CAMARO COUPE

## ADDITIONAL OPTIONS

- RADIO EQUIPMENT: (UL0/UN0 Are Premium Audio Systems on Coupes Only)**
- UL0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Cassette Tape, Theft Lock and Speed Compensated Volume, "Monsoon™" 200 Watt Sound System with 8 Speakers and Amplifier
- UN0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock and Speed Compensated Volume, "Monsoon™" 200 Watt Sound System with 8 Speakers and Amplifier
- U1S 12 Disc CD Changer (Reqs UL0 Radio)
- CC1 **ROOF PANELS:** Transparent Removable (Incls Locks and Lockable Stowage Provisions) (Incls Sunshade)
- AG1 **SEATS, ADDITIONAL:** Power (6-Way Driver)
- QCB **TIRES:** P235/55 R16 B/W (Reqs N96 or N98 Wheels)
- TRANSMISSIONS: (MUST SPECIFY)**
- MM5 5-Speed Manual (Base)
- MX0 4-Speed Automatic, Electronically Controlled (Incls 2nd Gear Start)
- WHEELS:**
- N96 16" Aluminum (Reqs QCB Tires)
- N98 16" Chrome Aluminum (Reqs QCB Tires)
- Y3F **SPORT APPEARANCE PACKAGE:** (Front Fascia Extension, Rocker Moldings, Spoiler Extension, Rear Fascia Molding (Incls N96 Wheels) (Incls QCB Tires) (Avail w/N98 Wheels)

## CAMARO Z28 COUPE

### Model 1FP87 CAMARO Z28 COUPE

\*Includes Destination & Handling Charges

**MUST ORDER ONE GROUP – NO DELETIONS ALLOWED**

	1SF	1SG
Base Preferred Equipment Group <i>(Refer Standard Equipment Summary Page)</i>	x	x
<b>Preferred Equipment Group 1</b>		
Power Door Locks		x
Speed Control: Electronic, w/Resume Speed		x
Remote Hatch Release		x
Fog Lamps		x
Power Windows w/Driver's Side Express Down Feature		x
Mirrors Sport, Twin Remote Electric		x
Leather Wrapped Steering Wheel: w/Transmission Shifter and Parking Brake Release Handle		x
Remote Keyless Entry w/Illuminated Interior Feature		x
Theft Deterrent Alarm System		x
Power Seat (6-Way Driver)		x
Moldings: Body Side, Color-Keyed		x
Floor Covering, Mats, Carpeted Rear		x

### ADDITIONAL OPTIONS

- NW9 ACCELERATION SLIP REGULATION: (N/A 1SF) (QFZ Tires Recommended For Optimum Traction)
- ACKNOWLEDGMENTS:**
- R8S Multiple Order Numbers
- R8T Preliminary Invoice (Refer Vehicle Price Schedule)
- GU5 AXLE 3.23: Performance (Reqs MX0 Trans and QLC or QFZ Tires)
- VK3 BRACKET: License Plate, Front
- DEFOGGER: (MUST SPECIFY)
- C49 Rear Window: Electric
- R9W Rear Window Defogger Not Desired
- EMISSIONS: (MUST SPECIFY) (Refer Emission Requirements Tab Section)
- FE9 Federal Emission Requirements
- NG1 New York, Massachusetts or Connecticut Emission Requirements
- YF5 California Emission Requirements
- NB8 CA, NY, MA or CT State Emission Override (Reqs FE9 Emissions)
- NC7 Federal Emission Override (Reqs YF5 or NG1 Emissions)
- 1LE PERFORMANCE PACKAGE: (Incls Special Handling Suspension System including Larger Stabilizer Bars, Stiffer Springs, Dual Adjustable Shock Absorbers and Bushings) (Reqs 1SF & QLC Tires) (With MX0 Trans Reqs GU5 Axle) (N/A CC1 Roof Panels) (Intended for Serious Performance Enthusiasts Only)

# CAMARO CONVERTIBLE

## Model 1FP67 CAMARO CONVERTIBLE

\*Includes Destination & Handling Charges

**MUST ORDER ONE GROUP – NO DELETIONS ALLOWED**

	1SD	1SE
Base Preferred Equipment Group (Refer Standard Equipment Summary Page)	x	x
<b>Preferred Equipment Group 1</b>		
Power Door Lock System		x
Speed Control: Electronic, w/Resume Speed		x
Remote Trunk Release		x
Fog Lamps		x
Power Windows w/Driver's Side Express Down Feature		x
Mirrors Sport, Twin Remote Electric		x
Leather Wrapped Steering Wheel: w/ Transmission Shifter and Parking Brake Release Handle		x
Remote Keyless Entry w/Illuminated Interior Feature		x
Theft Deterrent Alarm System		x
Moldings: Body Side, Color-Keyed		x
Floor Covering: Mats, Carpeted Rear		x

### ADDITIONAL OPTIONS

#### ACKNOWLEDGMENTS:

- R8S Multiple Order Numbers
- R8T Preliminary Invoice (Refer Vehicle Price Schedule)
- VK3 **BRACKET:** License Plate, Front
- EMISSIONS: (MUST SPECIFY) (Refer Emission Requirements Tab Section)**
- FE9 Federal Emission Requirements
- NG1 New York, Massachusetts or Connecticut Emission Requirements
- YF5 California Emission Requirement
- NB8 CA, NY, MA or CT State Emission Override (Reqs FE9 Emissions)
- NC7 Federal Emission Override (Reqs YF5 or NG1 Emissions)
- Y87 **PERFORMANCE HANDLING PKG:** (Incls Limited Slip Axle, Dual Outlet Exhaust and Sport Steering Ratio) (Reqs 1SE) (Reqs QCB&N96 or N98) (w/MX0 Incls 3.42 Perf. Axle)

#### RADIO EQUIPMENT:

- UL0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Cassette Tape, Theft Lock and Speed Compensated Volume
- UN0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock & Speed Compensated Volume
- U1S 12 Disc CD Changer (Reqs UL0 Radio)



# CAMARO Z28 COUPE

## INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

PLEASE NOTE: The Exterior Paint and Interior Trim Combinations Shown Below are the only Combinations Available

N.C. 499.00		TRIM LEVEL		Dk Gray	Neutral	Red Accent	White
		Cloth Bucket		14B	52B	(a)73B	
		(b)Leather Seating Surface Bucket		142	522		102
EXTERIOR COLORS SOLID PAINT		COLOR CODE	RECOMMENDED INTERIOR TRIM COLORS				
Black		41U	x	x	x	x	
Blue, Navy (Met)		28U	x	x		x	
Gold, Sport (Met)		63U	x	x		x	
Green, Bright (Met)		31U	x	x		x	
Purple, Bright (Met)		88U	x	x		x	
Red, Bright		81U	x	x	x	x	
Red, Cayenne (Met)		96U	x	x		x	
Silver, Sebring (Met)		13U	x		x	x	
Teal Mystic (Met)		79U	x	x		x	
White, Arctic		10U	x	x	x	x	

(a)Red Accent on Door Trim and Seat Inserts only, with Dk Gray Accents

(b)Leather N/A w/1SF Peg

### SOLID PAINT APPLICATION - WITH SPORT APPEARANCE (Y3F) PACKAGE

N.C. 499.00		TRIM LEVEL		Dk Gray	Neutral	Red Accent	White
		Cloth Bucket		14B	52B	(a)73B	
		(b)Leather Seating Surface Bucket		142	522		102
EXTERIOR COLORS SOLID PAINT		COLOR CODE	RECOMMENDED INTERIOR TRIM COLORS				
Black		41U	x	x	x	x	
Blue, Navy (Met)		28U	x	x		x	
Gold, Sport (Met)		63U	x	x		x	
Green, Bright (Met)		31U	x	x		x	
Purple, Bright (Met)		88U	x	x		x	
Red, Bright		81U	x	x	x	x	
Silver, Sebring (Met)		13U	x		x	x	
White, Arctic		10U	x	x	x	x	

(a)Red Accent on Door Trim & Seat Inserts only, with Dk. Gray Accents

(b)Leather N/A w/1SF Peg

# CAMARO CONVERTIBLE

## INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

PLEASE NOTE: The Exterior Paint and Interior Trim Combinations Shown Below are the only Combinations Available

### (a) CONVERTIBLE TOP AND PAINT SELECTOR - *WITHOUT* SPORT APPEARANCE (Y3F) PACKAGE

N.C. 499.00	TRIM LEVEL	Dk Gray	Neutral	Red Accent	White
	Cloth Bucket	14B	52B	(b)73B	
	Leather Seating Surface Bucket	142	522		102
EXTERIOR COLORS SOLID PAINT	COLOR CODE	RECOMMENDED INTERIOR TRIM COLORS			
Black	41U	10T/41T	41T/56T	10T/41T	10T/41T/56T
Blue, Navy (Met)	28U	10T/41T	10T/56T		10T/41T/56T
Gold, Sport (Met)	63U	10T/41T	10T/56T		10T/41T/56T
Green, Bright (Met)	31U	10T/41T	56T		10T/41T/56T
Purple, Bright (Met)	88U	10T/41T	56T		10T/41T/56T
Red, Bright	81U	10T/41T	56T	10T/41T	10T/41T/56T
Red, Cayenne (Met)	96U	10T/41T	56T		10T/41T/56T
Silver, Sebring (Met)	13U	10T/41T		10T/41T	10T/41T
Teal Mystic (Met)	79U	10T/41T	56T		10T/41T/56T
White, Arctic	10U	10T/41T	10T/56T	10T/41T	10T/41T/56T

- (a) Convertible Top Option Must be Specified in "Plus" (+) Option Section of Order Worksheet  
 (b) Red Accent on Door Trim and Seat Inserts only, with Dk Gray Accents

### (a) CONVERTIBLE TOP AND PAINT SELECTOR - *WITH* SPORT APPEARANCE (Y3F) PACKAGE

N.C. 499.00	TRIM LEVEL	Dk Gray	Neutral	Red Accent	White
	Cloth Bucket	14B	52B	(b)73B	
	Leather Seating Surface Bucket	142	522		102
EXTERIOR COLORS SOLID PAINT	COLOR CODE	RECOMMENDED INTERIOR TRIM COLORS			
Black	41U	10T/41T	41T/56T	10T/41T	10T/41T/56T
Blue, Navy (Met)	28U	10T/41T	10T/56T		10T/41T/56T
Gold, Sport (Met)	63U	10T/41T	10T/56T		10T/41T/56T
Green, Bright (Met)	31U	10T/41T	56T		10T/41T/56T
Purple, Bright (Met)	88U	10T/41T	56T		10T/41T/56T
Red, Bright	81U	10T/41T	56T	10T/41T	10T/41T/56T
Silver, Sebring (Met)	13U	10T/41T		10T/41T	10T/41T
White, Arctic	10U	10T/41T	10T/56T	10T/41T	10T/41T/56T

- (a) Convertible Top Option Must be Specified in "Plus" (+) Option Section of Order Worksheet  
 (b) Red Accent on Door Trim and Seat Inserts only, with Dk Gray Accents

#### CONVERTIBLE TOP COLORS

ARCTIC WHITE ..... 10T      BLACK ..... 41T      NEUTRAL ..... 56T

# CAMARO Z28 CONVERTIBLE

## ADDITIONAL OPTIONS

### TIRES:

- QFZ P245/50 ZR16 B/W All Season Performance
- QLC P245/50 ZR16 B/W Performance

### TRANSMISSIONS:

- MN6 6-Speed Manual (Incls Performance Axle)
- MX0 4-Speed Automatic, Electronically Controlled (Base)

### WHEELS:

- N98 16" Chrome Aluminum

**Y3P** **SPORT APPEARANCE PACKAGE:** (Front Fascia Extension, Rocker Moldings, Spoiler Extension, Rear Fascia Molding (Incls N96 Wheels) (Incls QLC Tires) (Avail w/N98 Wheels)

# CAMARO Z28 COUPE

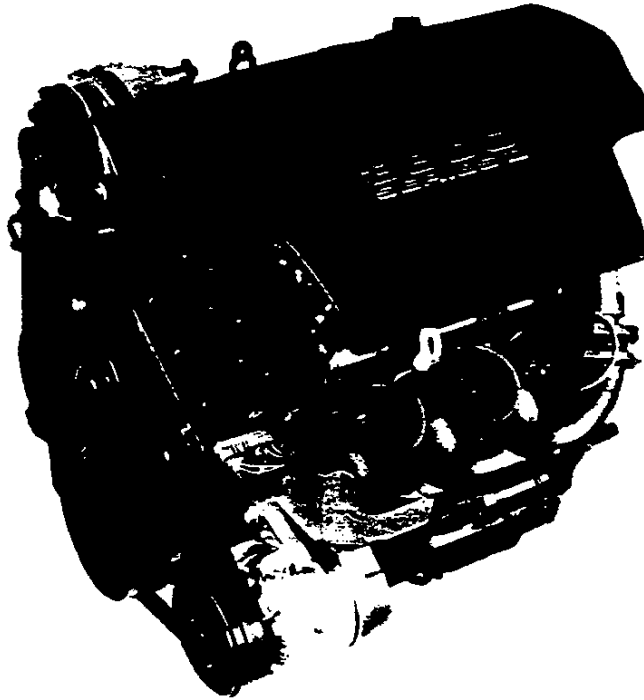
## ADDITIONAL OPTIONS

### RADIO EQUIPMENT: (UL0/UN0 Are Premium Audio Systems on Coupes Only)

- UL0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Cassette Tape, Theft Lock and Speed Compensated Volume, "Monsoon™" 200 Watt Sound System with 8 Speakers and Amplifier
- UN0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock and Speed Compensated Volume, "Monsoon™" 200 Watt Sound System with 8 Speakers and Amplifier
- U1S 12 Disc CD Changer (Reqs UL0 Radio)
- CC1 **ROOF PANEL:** Transparent Removable (Incls Locks and Lockable Storage Provisions) (Incls Sunshade)
- TIRES:**
- QFZ P245/50 ZR16 B/W All Season Performance
- QLC P245/50 ZR16 B/W Performance
- TRANSMISSIONS:**
- MN6 6-Speed Manual (Incls Performance Axle)
- MX0 4-Speed Automatic, Electronically Controlled (Base)
- WHEELS:**
- N98 16" Chrome Aluminum
- Y3F SPORT APPEARANCE PACKAGE:** (Front Fascia Extension, Rocker Moldings, Spoiler Extension, Rear Fascia Molding (Incls N96 Wheels), (Incls QLC Tires), (Avail w/N98 Wheels)

# 3.8L V6

L36



*"The venerable 3800 V6... can thrust big sedans capably to highway speeds, keeping up with some bigger V8's... the 3800 is about as good as you can make a pushrod engine."*

Star Tribune  
January 25, 1997

*"The 3800 Series (II) engine is one of the best engines to come out of General Motors."*

Newsday  
November 29, 1996

*"The 3800 Series III/Series II supercharged is an unqualified success... the normally aspirated 3800 is a gang-busters application... With the 3800 Series II, GM makes continually refined, established technology the bogey for others to target."*



WARD'S AUTO WORLD  
**Best Engines of 1996**  
**TOP 10 AWARD**

Ward's Engine and Vehicle Technology Update  
January 1, 1997

# CAMARO Z28 CONVERTIBLE

## Model 1FP67 CAMARO Z28 CONVERTIBLE

\*Includes Destination & Handling Charges

**MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED**

	1SH
<b>Base Preferred Equipment Group 1</b>	
Power Door Locks	x
Speed Control: Electronic, w/Resume Speed	x
Remote Trunk Release	x
Fog Lamps	x
Power Windows w/Driver's Side Express Down Feature	x
Mirrors Sport, Twin Remote Electric	x
Leather Wrapped Steering Wheel: w/Transmission Shifter and Parking Brake Release Handle	x
Remote Keyless Entry w/Illuminated Interior Feature	x
Theft Deterrent Alarm System	x
Power Seat (6-Way Driver)	x
Moldings: Body Side, Color-Keyed	x
Floor Covering, Mats, Carpeted Rear	x

### ADDITIONAL OPTIONS

- NW9 ACCELERATION SLIP REGULATION: (QFZ Tires Recommended For Optimum Traction)
- ACKNOWLEDGMENTS:**
- R8S Multiple Order Numbers
- R8T Preliminary Invoice (Refer Vehicle Price Schedule)
- GU5 **AXLE 3.23:** Performance (Reqs MX0 Trans and QLC or QFZ Tires)
- VK3 **BRACKET:** License Plate, Front
- EMISSIONS: (MUST SPECIFY) (Refer Emission Requirements Tab Section)**
- FE9 Federal Emission Requirements
- NG1 New York, Massachusetts or Connecticut Emission Requirements
- YF5 California Emission Requirements
- NB8 CA, NY, MA or CT State Emission Override (Reqs FE9 Emissions)
- NC7 Federal Emission Override (Reqs YF5 or NG1 Emissions)
- RADIO EQUIPMENT:**
- UL0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Cassette Tape, Theft Lock and Speed Compensated Volume
- UN0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock and Speed Compensated Volume
- U1S 12 Disc CD Changer (Reqs UL0 Radio)

**Oil pan, seals are "noisebusters"** - The 3800 Series II oil pan is laminated to reduce noise. In addition, Design for Manufacturing principles led to development of an oil pan gasket and integrated oil pan baffle, as well as a rear crankshaft seal carrier. These Design for Manufacturability (DFM) initiatives not only improve sealing and eliminate plugs, but noise character and durability is improved as well.

**Improved air management** - The composite (glass-reinforced nylon) intake manifold and air induction system provide a more linear acceleration curve.

**Direct accessory mounting reduces noise, vibration** - The power steering pump, alternator bracket and other brackets and tensioners are direct-mounted for simplicity, manufacturability and improved vibration characteristics.

**Quiet exhaust system** - Exhaust noise is reduced through the use of a cast-iron left manifold, insulated cross-over pipe and air gap take-down pipe. Casting manufacturing technology allows the use of a cast iron manifold to provide quieter operation and better value. To ensure emissions performance and quicker light-off, the right manifold remains sheet metal. Heat shielding of the exhaust system compartment is minimized to reduce radiated exhaust noise.

**Throttle body** - High air flow is achieved through the use of a large inlet throttle body. A progressive cam and cable linkage also is used for a linear throttle feel. Customers will notice better feel throughout the driving range in this tuned-for-performance throttle body.

**Oil filling** - Adding engine oil is clean and easy with the extended oil-filling cap.

**Dual-function coolant sensor** - The Series II high-tech coolant sensor drives both the PCM coolant gage and the instrument panel gage for greater precision.

**TLEV Compliant** - All L36 applications are designed to meet the more stringent California TLEV emission standards.

**Technological Innovation Recognition** - The editors and readers of *Automotive Engineering* magazine selected the 3800 Series II engine as one of the "Top 15 Technological Innovations" stories of 1995.

# CAMARO Z28 CONVERTIBLE

## INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

PLEASE NOTE: The Exterior Paint and Interior Trim Combinations Shown Below are the only Combinations Available

### (a) CONVERTIBLE TOP AND PAINT SELECTOR

N.C. 499.00	<b>TRIM LEVEL</b>	Dk Gray	Neutral	Red Accent	White
	Cloth Bucket	14B	52B	(b)73B	
	Leather Seating Surface Bucket	142	522		102
<b>EXTERIOR COLORS</b>	<b>COLOR CODE</b>	<b>RECOMMENDED INTERIOR TRIM COLORS</b>			
<b>SOLID PAINT</b>					
Black	41U	10T/41T	41T/56T	10T/41T	10T/41T/56T
Blue, Navy (Met)	28U	10T/41T	10T/56T		10T/41T/56T
Gold, Sport (Met)	63U	10T/41T	10T/56T		10T/41T/56T
Green, Bright (Met)	31U	10T/41T	56T		10T/41T/56T
Purple, Bright (Met)	88U	10T/41T	56T		10T/41T/56T
Red, Bright	81U	10T/41T	56T	10T/41T	10T/41T/56T
Red, Cayenne (Met)	96U	10T/41T	56T		10T/41T/56T
Silver, Sebring (Met)	13U	10T/41T		10T/41T	10T/41T
Teal Mystic (Met)	79U	10T/41T	56T		10T/41T/56T
White, Arctic	10U	10T/41T	10T/56T	10T/41T	10T/41T/56T

(a) Convertible Top Option Must be Specified in "Plus" (+) Option Section of Order Worksheet

(b) Red Accent on Door Trim and Seat Inserts only, with Dk Gray Accents

### (a) CONVERTIBLE TOP AND PAINT SELECTOR - WITH SPORT APPEARANCE (Y3F) PACKAGE

N.C. 499.00	<b>TRIM LEVEL</b>	Dk Gray	Neutral	Red Accent	White
	Cloth Bucket	14B	52B	(b)73B	
	Leather Seating Surface Bucket	142	522		102
<b>EXTERIOR COLORS</b>	<b>COLOR CODE</b>	<b>RECOMMENDED INTERIOR TRIM COLORS</b>			
<b>SOLID PAINT</b>					
Black	41U	10T/41T	41T/56T	10T/41T	10T/41T/56T
Blue, Navy (Met)	28U	10T/41T	10T/56T		10T/41T/56T
Gold, Sport (Met)	63U	10T/41T	10T/56T		10T/41T/56T
Green, Bright (Met)	31U	10T/41T	56T		10T/41T/56T
Purple, Bright (Met)	88U	10T/41T	56T		10T/41T/56T
Red, Bright	81U	10T/41T	56T	10T/41T	10T/41T/56T
Silver, Sebring (Met)	13U	10T/41T		10T/41T	10T/41T
White, Arctic	10U	10T/41T	10T/56T	10T/41T	10T/41T/56T

(a) Convertible Top Option Must Be Specified in "Plus" (+) Option Section of Order Worksheet

(b) Red Accent on Door Trim and Seat Inserts only, with Dk Gray Accents

#### CONVERTIBLE TOP COLORS

ARCTIC WHITE ..... 10T      BLACK ..... 41T      NEUTRAL ..... 56T



# 5.7L V8

## LS1

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### Features and Benefits:

#### 1998 F-CAR

**Cylinder head** - The LS1 features replicated ports to optimize air flow into the engine. This means that each cylinder head port is identical in every detail, and allows for very constant cylinder-to-cylinder air-flow distribution. Better air flow means better performance for the customer. A four-bolt head and improved cylinder head fasteners reduce bore distortion, which in turn improve both fuel economy and emissions.

**Intake manifold** - The intake manifold is designed to provide capability to meet the performance, emissions and fuel economy requirements of the LS1. The LS1 intake manifold breathes better, thanks to use of new composite materials. The material is smoother and cooler, and allows air to glide with less restriction through the tubular thermoplastic intake manifold. This also enhances performance and reduces mass.

**Valvetrain** - The LS1 valvetrain offers customers some significant benefits in the areas of increased performance capability, fuel economy and noise reduction. Engineers designed a hollow camshaft to take mass out of the engine, based on the "lighter = faster" theory. The camshaft has larger bearing journals, which in turn, allows larger lobes; thereby, reducing lobe stress. In doing so, engineers have added the capability to design a more aggressive cam profile, which gains performance. Next, they've incorporated cast steel roller rocker arms. This adds stiffness to the valve train structure that reduces friction and enables higher speeds. You'll also find hydraulic roller valve lifters that minimize friction and help eliminate internal power loss. They also maximize fuel economy and improve wear resistance over time.

**Engine block** - The LS1 has an aluminum block with a unique design. Engineers call it a "deep skirt" configuration because the block actually extends further down. This allows the main bearing caps to cross bolt into the block - six bolts per cap. This increases stiffness, and reduces crankshaft bending and, therefore, engine noise. Cast iron liners provide for durable cylinder bore wear. Also featured is a crankshaft with hollow main bearing journals - a definite improvement for mass as well as improved engine breathing. Improved breathing means that less energy is used "internal" to the engine, which in turn, leaves more horsepower available for the vehicle to improve performance.

**Accessory drive** - The system sets industry standards for quality, reliability and durability, and reductions in noise, vibration and contamination. Some enablers to achieve these goals are neat direct mount accessories; low static belt tension; slack side tensioner placement; dual track drive and the elimination of captured components, fasteners and wet attachment holes. Additionally, this system gives vehicle designers flexibility in packaging the powertrain.

## Product Specifications

**Type:**  
3.8L V6

**Displacement:**  
3791 cc (231 CID)

**Compression Ratio:**  
9.4:1

**Valve Configuration:**  
OVERHEAD VALVES

**Assembly Site:**  
FLINT, MI

**Valve Lifters:**  
HYDRAULIC ROLLER

**Firing Order:**  
1 - 6 - 5 - 4 - 3 - 2

**Bore x Stroke:**  
96.52 x 86.36 mm (3.80 x 3.40 in)

**Fuel System:**  
SEQUENTIAL FUEL INJECTION

**Horsepower:**  
205 @ 5200 rpm (C, G, H)  
200 @ 5200 rpm (F)  
195 @ 5200 rpm (W)

**Torque (lb-ft):**  
230 @ 4000 rpm (C, G, H)  
225 @ 4000 rpm (F)  
220 @ 4000 rpm (W)

**Maximum Engine Speed:**  
6000 rpm

**Emissions Control:**

- EVAPORATIVE SYSTEM
- CATALYTIC CONVERTER
- EXHAUST GAS RECIRCULATION (EGR)
- POSITIVE CRANKCASE VENTILATION (PCV)

### Materials

**Block:**  
CAST IRON

**Cylinder Head:**  
CAST IRON

**Intake Manifold:**  
CAST ALUMINUM - LOWER  
COMPOSITE - UPPER (C,G,H,W)  
CAST ALUMINUM - UPPER (F)

**Exhaust Manifold:**  
HIGH SILICON MOLYBDENUM  
CAST NODULAR IRON (F)

HIGH SILICON MOLYBDENUM  
CAST NODULAR IRON (LEFT W)

CAST NODULAR IRON  
(LEFT-C,G,H)

TUBULAR STAINLESS STEEL  
(RIGHT-C,G,H,W)

**Main Bearing Caps:**  
POWDER METAL

**Crankshaft:**  
CAST IRON

**Camshaft:**  
STEEL

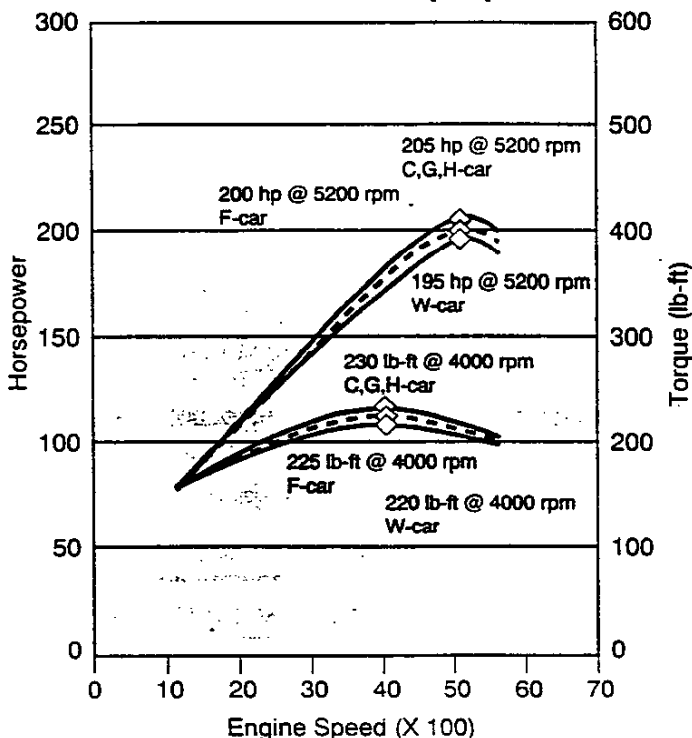
**Additional Features:**  
EXTENDED LIFE SPARK PLUGS  
EXTENDED LIFE COOLANT  
OIL LEVEL SENSOR

### Applications:

Buick LeSabre - base  
Buick Park Avenue - base  
Buick Regal - base  
Chevrolet Camaro - base  
Chevrolet Lumina - option  
Chevrolet Monte Carlo - option  
Oldsmobile Eighty Eight - base  
Oldsmobile Intrigue - base  
Pontiac Bonneville - base  
Pontiac Firebird - base  
Pontiac Grand Prix - option

Information may vary with application. All specifications listed are based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice.

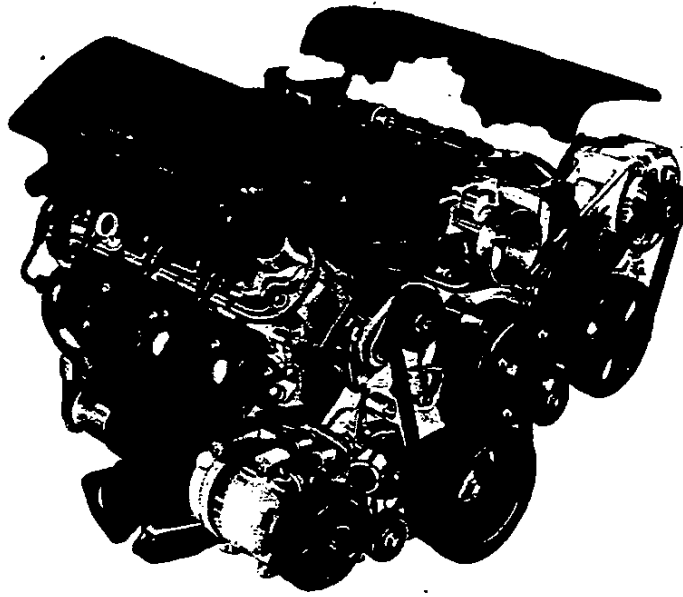
**"3800 Series II" (L36)**



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# 5.7L V8

LS1



*"The genuine Chevrolet LS1 has a smooth idle that belies the torque available from about 1500 rpm up to 5000. Redlined at 6000 rpm, the forceful 5.7-liter engine has more horsepower and torque—345 bhp and 350 lb.-ft.—than either the LT1 V-8 or LT4 V-8 variants of last year..."*

Road & Track  
February, 1997



## GM's LS1 Powers 1998 Camaro and Firebird

**PONTIAC, Mich.** - For 1998, Chevrolet Camaro and Pontiac Firebird sports car enthusiasts have a powerful engine option to consider; a version of the LS1, which debuted last year in the Chevrolet Corvette. With this new engine, drivers will get more power and torque, improved fuel economy, and less noise than the LT1 - - the former engine upgrade for Camaro/Firebird.

"This year the LS1 for Camaro and Firebird generates 305 HP at 5200 RPM, and 335 lb-ft of torque at 4000 RPM, which is 20 more HP and 10 lb-ft of torque compared to the LT1" said John Juriga, LS1 product manager for GM Powertrain Group. "In addition to more horsepower and torque, the LS1 weighs about 10 percent less when fully dressed. The bottom line is that this LS1 engine is lighter, more powerful and quieter than its predecessor."

"Like LS1 in the Corvette, this new engine features a deep-skirt aluminum block, powder metal rods and light-weight pistons, an undercut and rolled fillet crank, a structural oil pan and more," Juriga explained.

However, LS1 for Camaro/Firebird also includes several modifications driven primarily by vehicle packaging requirements. For example, changes were made to the accessory drive, air induction system, and the air gap exhaust manifold.

To meet increasingly stringent emissions standards, the Camaro/Firebird engine uses a feature called "demand fuel." The system maintains constant pressure in the fuel lines and prevents heated fuel from recirculating to the tank. By keeping the fuel in the tank as cool as possible, fuel vapors are greatly reduced. As a result, the 1998 Camaro/Firebird meets the 1999 Federal emissions standards — a full year early.

The LS1 engine is produced at GM Powertrain's Romulus, Mich., Engine Plant. The plant houses GM Powertrain's newest engine line and uses the latest innovations in manufacturing technology.

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**Structural oil pan** - The LS1 engine utilizes a structural aluminum oil pan which increases overall powertrain bending stiffness and allows 360 degree bolting to the transmission bell housing. This design increases the powertrain stiffness thereby reducing vibration. The oil pan-to-block sealing surface is a single plane allowing for the usage of a simple flat gasket, which will improve oil sealing quality and reliability.

**Gerotor oil pump** - The LS1 incorporates a high-efficiency gerotor oil pump, driven at the front of the crankshaft. It provides numerous customer benefits, such as improved low temperature oil delivery and better performance, due to less parasitic loss and improved pump efficiency.

**Pistons** - Another goal of the LS1 engine is emissions compliance well into the future. To that end, engineers have redesigned the piston with its top ring closer to the top of the piston to reduce hydrocarbon emissions. They also eased tension on the piston rings to reduce friction and improve fuel economy. LS1 pistons and rods are also very lightweight, which enables spinning of the engine at higher RPMs. This allows engineers to achieve more power from lower, more fuel efficient displacements.

**Ignition system** - Engineers have developed a new coil per cylinder ignition system. It features eight individual coils secured to two aluminum rocker covers. The coils themselves feature a composite material coil housing and integrated interface electronics to control the coil. The coil is located near the plug for high ignition energy, which results in increased combustion, better emissions and durability. The electronic spark timing signals for the coil are derived from crankshaft and camshaft position sensors to enable high accuracy spark delivery and misfire detection.

**Powertrain Control Module (PCM)** - The PCM for the LS1 engine is one of the industry's most sophisticated. In fact, it may have more power than your home computer. It incorporates two custom integrated circuits. They include a multi-functional device that combines control functions for the fuel pump, linear EGR, and transmission line pressure control actuator output drivers into one package; and a new method to control engine knock, utilizing a digital signal to noise enhancement filter eliminating the plug-in module and PCM access cover. Both are industry firsts. The "up-integration" of the features reduces mass and improves reliability by reducing the number of external wiring connections.

**Exhaust manifold** - The new design is significantly different from the conventional cast manifold. The right hand dual-wall fabricated manifold consists of two layers of high strength stainless steel, with an air gap in between. The thin inner wall heats up quickly, allowing rapid converter light off, thus reducing cold start emissions. The air gap helps as an insulator and this prevents the heat loss from the exhaust gas. This latest technology was selected primarily for its ability to aid in the reduction of cold start emissions by cutting down drastically on the time-to-temperature requirements. It dramatically improves the efficiency of the catalytic converter, maintaining at the same time, its ability to meet all other performance goals such as durability, enhanced performance and reduction of noise level. The air gap between the two layers of stainless steel helps to reduce the heat loss from the gas which in addition to helping meet the emissions goals, aids in reducing the underhood temperature. To further enhance the ability to reduce emissions, this dual wall manifold features integrated AIR passages. The left hand manifold incorporates a close-coupled converter therefore a single wall manifold is used.

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# MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. CUSTOMARY)

# 1998

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

FORM AAMA-98

## Product Specifications

**Type:**  
5.7L V8

**Bore x Stroke:**  
99.00 x 92.00 mm (3.90 x 3.62 in)

**Displacement:**  
5665 cc (346 CID)

**Fuel System:**  
SEQUENTIAL FUEL INJECTION

**Compression Ratio:**  
10.1:1

**Horsepower:**  
345 @ 5600 rpm (Y)  
305 @ 5200 rpm (F)

**Valve Configuration:**  
OVERHEAD VALVES

**Torque (lb-ft):**  
350 @ 4400 rpm (Y)  
335 @ 4000 rpm (F)

**Assembly Site:**  
ROMULUS, MI

**Maximum Engine Speed:**  
6000 rpm

**Valve Lifters:**  
HYDRAULIC ROLLER

**Emissions Control:**

- CATALYTIC CONVERTER
- AIR INJECTION REACTION (AIR)
- POSITIVE CRANKCASE VENTILATION (PCV)
- EXHAUST GAS RECIRCULATION (EGR) (F)

**Firing Order:**  
1 - 8 - 7 - 2 - 6 - 5 - 4 - 3

**Materials**

**Block:**  
CAST ALUMINUM

**Cylinder Head:**  
CAST ALUMINUM

**Intake Manifold:**  
COMPOSITE

**Exhaust Manifold:**  
INSULATED DUAL WALL  
STAINLESS STEEL

**Main Bearing Caps:**  
POWDER METAL

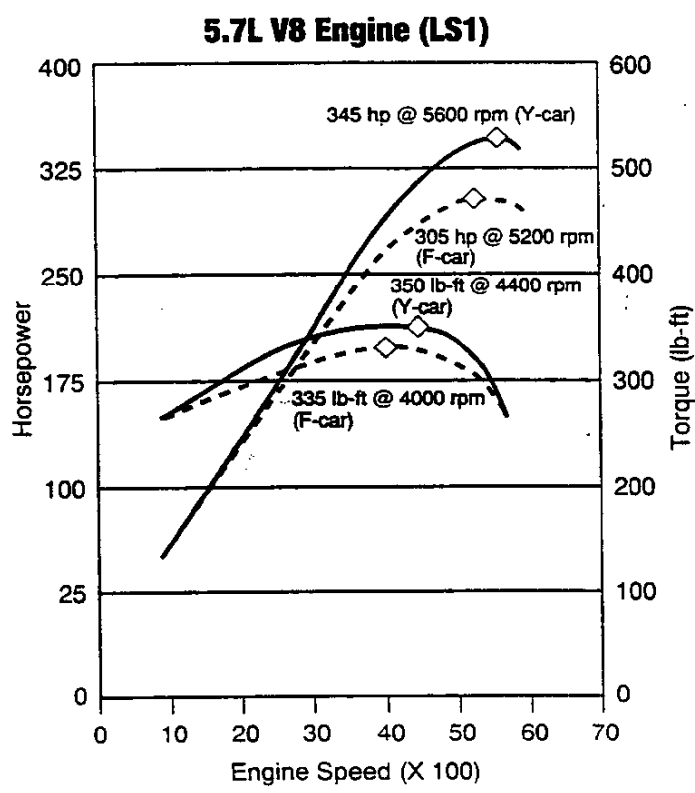
**Crankshaft:**  
CAST IRON WITH UNDERCUT  
AND ROLLED FILLETS

**Camshaft:**  
HOLLOW STEEL

**Connecting Rods:**  
POWDER METAL

**Additional Features:**  
EXTENDED LIFE SPARK PLUGS  
EXTENDED LIFE COOLANT  
OIL LEVEL SENSOR

**Applications:**  
Chevrolet Corvette - base  
Chevrolet Camaro - option  
Pontiac Firebird - option



*Information may vary with application. All specifications listed are based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice.*



# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 .. Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

METRIC (U.S. Customary)

## Vehicle Origin

Design & development (company)	General Motors, Midsize Car Division
Where built (country)	Canada
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)
<b>CAMARO</b>					
2-Door Coupe (RWD)		1FP87	4 (2/2)	45.4 (100)	TBD
2-Door Convertible (RWD)		1FP67	4 (2/2)		TBD
<b>CAMARO Z28</b>					
2-Door Coupe (RWD)		1FP87 (W/Z28)	4 (2/2)	45.4 (100)	TBD
2-Door Convertible (RWD)		1FP67 (W/Z28)	4 (2/2)		TBD

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

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**Sequential Fuel Injection (SFI)** - Enthusiasts understand the importance and benefits of SFI. The LS1 incorporates the most sophisticated use of this technology. SFI is a very precise fuel delivery system in which the powertrain control module (PCM) individually controls the fuel injectors. With SFI, each of the eight injectors are fired one at a time, in a sequence that matches the firing order, further improving fuel timing for optimal combustion. With SFI, the fuel is precisely metered, taking into account overall system pressure and temperature. SFI offers greater idle stability, performance, durability, fuel efficiency and driveability.

**Other features** - Other features of the LS1 that result in a variety of customer benefits include: powder metal connecting rods for improvements to fuel economy, emissions and pleasability; roller timing chain with nylon tensioners, also for improved pleasability; composite lifter restricters that decrease mass and increase fuel economy; dual electronic spark control sensor located in the valley of the block for increased spark control; integrated air fuel module for durability; and a mass air flow sensor to improve emissions.

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

3.8 LITER V6 L36

### Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	90 Degree V, Front, Longitudinal, OHV	
Manufacturer	General Motors Powertrain Group	
No. of cylinders	Six	
Bore	96.5 mm	
Stroke	86.36 mm	
Bore Spacing (C / L to C / L)	107.7 mm	
Cylinder block material & mass kg. (lbs.) (machined)	Cast Iron, 54.8 (120.8)	
Cylinder block deck height	216.5 mm	
Cylinder block length	396 mm	
Deck clearance (minimum) (above or below block)	0.57 mm Above	
Cylinder head material & mass kg. (lbs.)	Cast Iron, 13.3 (29.3)	
Cylinder head volume cm <sup>3</sup> (inches <sup>3</sup> )	62.9 (3.81)	
Cylinder liner material	Not Available	
Head gasket thickness (compressed)	1.5 mm	
Minimum combustion chamber total volume cm <sup>3</sup> (inches <sup>3</sup> )	75.675 (4.618)	
Cyl. no. system (front to rear)*	L. Bank	1-3-5
	R. Bank	2-4-6
Firing order	1-6-5-4-3-2	
Intake manifold material & mass kg. (lbs.)**	Cast Aluminum 7 (15.4) (upper and lower)	
Exhaust manifold material & mass kg. (lbs.)**	Cast Iron 3.9 (8.6)	
Knock sensor (number & location)	Two Sides of Block	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) ÷ 2	87	
Engine Mounts	Quantity	Two
	Material and type (elastomeric, hydroelastolic, hydraulic damper, etc.)	Elastomeric
	Added isolation (sub-frame, crossmember, etc.)	Not Applicable
Total dressed engine mass (wt) dry***	202 kg, Automatic with oil 206 kg, Manual with oil	

### Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum Alloy, 0.387 kg. (0.8516)
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### Engine - Camshaft

Location	In Block above Crankshaft	
Material & mass kg (weight, lbs.)	Steel, 2.5 (5.5)	
Drive type	Chain / belt	Chain
	Width / pitch	0.398 Over Guides /0.323

\* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

\*\* Finished state.

\*\*\* Dressed engine mass (weight) includes the following: All those items necessary to make the engine a complete ready-to-run unit.

# Specifications

## METRIC

### Table of Contents

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1	Vehicle Models/Origin	ø	Indicates Format Change
2	Power Teams		From Previous Year
3	Engine		
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4	Diesel System		
5	Cooling System		
6	Fuel System		
7	Vehicle Emission Control		
7	Exhaust System		
8-10	Transmission, Axles and Shafts		
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17	Body – Miscellaneous Information		
17	Frame		
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26	Vehicle Mass		
27	Optional Equipment Differential Mass (Weight)		
28-34	Vehicle Dimensions Definitions – Key Sheets		
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#### NOTE:

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

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description Engine Code	3.8 LITER V6 L36
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### Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	Standard	
Valves	Number intake / exhaust	Six/Six
	Head O.D. intake / exhaust	45.72 mm/ 38.6 mm

### Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Pearlitic Malleable Iron 0.63 (1.4)
Length (axes C/L to C/L)	145.85 mm

### Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Nodular Cast Iron 15.4 (34)	
End thrust taken by bearing (no.)	Two	
Length & number of main bearings	21.95 mm Four	
Seal (material, one. two piece design, etc.)	Front	One Piece Rubber Lip
	Rear	One Piece Rubber Lip

### Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	414 (60) @ 2000 RPM
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	3.78 (4.0)

### Engine - Diesel Information

(NOT APPLICABLE)

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

### Engine - Intake System

(NOT APPLICABLE)

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

\* Finished State

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

### Power Teams

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

		A	B	C	D	
<b>E N G I N E</b>	Engine Code	L36	L36	LS1	LS1	
	Displacement Liters (in <sup>3</sup> )	3.8 (231)	3.8 (231)	5.7 (346)	5.7 (346)	
	Induction system (FI, Carb, etc.)	Sequential Fuel Injection	Sequential Fuel Injection	Sequential Fuel Injection	Sequential Fuel Injection	
	Compression ratio	9.4:1	9.4:1	10.1:1	10.1:1	
	SAE Net at RPM	Power kW (bhp)	149 (200) @ 5200	149 (200) @ 5200	228 (305) @ 5200	228 (305) @ 5200
		Torque N • m (lb. ft.)	305 (225) @ 4000	305 (225) @ 4000	454 (335) @ 4000	454 (335) @ 4000
Exhaust single, dual		Single	Dual	Dual	Dual	
<b>T R A N S</b>	Transmission/ Transaxle	M49	M30	M30	MM6	
	Effective Final Drive / Axle Ratio (std. first)	3.23	3.08 / 3.42	2.73 / 3.23	3.42	

### Series Availability

### Power Teams (A - B - C - D)

Model	Code	Standard	Optional
<b>CAMARO</b>			
2-Door Coupe	1FP87	A	B
2-Door Convertible	1FP67	A	B
<b>CAMARO Z28</b>			
2-Door Coupe	1FP87 (W/Z28)	C	D
2-Door Convertible	1FP87 (W/Z28)	C	D

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

3.8 LITER V6 L36

### Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle
Radiator cap relief valve pressure kPa (psi)		124 (18)
Circulation thermostat	Type (choke, bypass)	Bypass
	Starts to open at °C (°F)	91 (195)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	10.0
	Number of pumps	One
	Drive (V-belt, other)	Poly V-Belt
	Bearing type	Double Roll (Ball/Roller)
	Impeller material	Stamped Steel
Housing material		Cast Aluminum
By-pass recirculation type (inter., ext.)		External
Cooling System capacity	With heater - L (qt.)	Not Applicable
	With air conditioner - L (qt.)	12.65 (13.37) Auto: 12.85 (13.58) Manual
	Opt. equipment specify - L (qt.)	No
Water jackets full length of cyl. (yes, no)		No
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		Yes
Radiator core	Std., A/C, HD	Standard
	Type (cross-flow, etc.)	Cross Flow
	Construction (fin & tube mechanical, braze, etc.)	Vacuum Brazed Tube & Fin
	Material, mass kg (wgt., lbs.)	Aluminum, 3.21 (7.08) w/o TOC Aluminum, 4.02 (8.86) w/TOC
	Width	630 mm (24.8 in.) w/o TOC 630 mm (24.8 in.) w/TOC
	Height	438 mm (17.2 in.)
	Thickness	24 mm (0.945 in.)
Fins per inch		8.47
Radiator end tank material		Glass - Reinforced Nylon
Fan	Std., elec., opt.	Standard, Electric
	Number of blades & type (flex, solid, material)	Five Blades, Solid, Plastic
	Number & location (front, rear of radiator)	Dual Pullers
	Diameter & projected width	316 mm Dia. / 72 mm Width
	Ratio (fan to crankshaft rev.)	--
	Fan cutout type	ECM Controlled
	Drive type (direct, remote)	--
	RPM at idle (elec.)	1950-2150
	Motor rating (wattage/elec.)	100 W. Each
	Motor switch (type & location/elec.)	Relay
	Switch point (temp./pressure/elec.)	Low, 226 F / 248 psi High, 235 F / 248 psi
Fan shroud (material)		Nylon Six/Six

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description Engine Code	5.7 LITER V8 LS1
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### Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	90 Degree V, Front, Longitudinal, OHV	
Manufacturer	General Motors Powertrain Group	
No. of cylinders	Eight	
Bore	99.0 mm	
Stroke	92.0 mm	
Bore Spacing (C / L to C / L)	111.8 mm	
Cylinder block material & mass kg. (lbs.) (machined)	Aluminum, 48.6 (107.1)	
Cylinder block deck height	234.7 mm	
Cylinder block length	519.0 mm	
Deck clearance (minimum) (above or below block)	Not Applicable	
Cylinder head material & mass kg. (lbs.)	Aluminum, 9.2 (20.3)	
Cylinder head volume cm <sup>3</sup> (inches <sup>3</sup> )	66.9 (4.08)	
Cylinder liner material	Cast Iron	
Head gasket thickness (compressed)	1.33 mm	
Minimum combustion chamber total volume cm <sup>3</sup> (inches <sup>3</sup> )	64.9 (3.96)	
Cyl. no. system (front to rear)*	L Bank	1-3-5-7
	R. Bank	2-4-6-8
Firing order	1-8-7-2-6-5-4-3	
Intake manifold material & mass kg. (lbs.)**		
Exhaust manifold material & mass kg. (lbs.)**	Stainless Steel, Right: 5.0 (11.0) ; Left: 4.8 (10.6)	
Knock sensor (number & location)	Two, Valley	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) ÷ 2	87	
Engine Mounts	Quantity	Two
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric
	Added isolation (sub-frame, crossmember, etc.)	Not Applicable
Total dressed engine mass (wt) dry***	Automatic: 214.5 kg, Manual : 234.3 kg	

### Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum, 44.0 (15.5)
--	-----------------------

### Engine - Camshaft

Location	in Cylinder Block "V" Above Crankshaft	
Material & mass kg (weight, lbs.)	Steel, 4.4 (9.7)	
Drive type	Chain / belt	Chain
	Width / pitch	5.72 mm / 9.53 mm

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



# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued            Revised (●)           

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

3.8 LITER V6 L36

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

Induction type: carburetor, fuel injection system, etc.		Sequential Fuel Injection
Manufacturer		Delphi Energy & Engine Management Systems
Carburetor no. of barrels		Not Applicable
Idle A/F mix.		PCM Controlled
Fuel injection	Point of injection (no.)	Ports (Six)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	280 - 350 (33-43)
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)		Water Thermostatic
Air cleaner type		Paper Element
Fuel filter (type/location)		Paper Element
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Tank
	Pressure range kPa (psi)	0-500 kPa
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	115.4 L/hr @ 300 kPa

### Fuel Tank

Capacity refill L (gallons)		58.6 (15.5)
Location (describe)		Rear and Above Rear Axle
Attachment		Two Metal (Steel) Straps
Material & Mass kg. (weight lbs.)		Long Teme Sheet Steel GM-7M. 9.0 (19.8)
Filler pipe	Location & material	Left Rear Quarter Panel (Coated Steel Tube)
	Connection to tank	Soldered on Left Side
Fuel line (material)		Multi - Layer Nylon and Coated Steel Tubing
Fuel hose (material)		Multi - Layer Nylon and Coated Steel Tubing
Return line (material)		Multi - Layer Nylon and Coated Steel Tubing
Vapor line (material)		Multi - Layer Nylon and Coated Steel Tubing
Extended range tank	Opt., n.a.	Not Available
	Capacity L (gallons)	Not Available
	Location & material	Not Available
	Attachment	Not Available
Auxiliary tank	Opt., n.a.	Not Available
	Capacity L (gallons)	Not Available
	Location & material	Not Available
	Attachment	Not Available
	Selector switch or valve	Not Available
Separate fill		Not Available

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description Engine Code	5.7 LITER V8 LS1
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### Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	Standard	
Valves	Number intake / exhaust	Eight/Eight
	Head O.D. intake / exhaust	50.8 mm / 39.4 mm

### Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Powder Metal, 0.62 (1.4)
Length (axes C/L to C/L)	154.9 mm

### Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Cast Nodular Iron, 23.0 (50.7)	
End thrust taken by bearing (no.)	Three	
Length & number of main bearings	Five	
Seal (material, one, two piece design, etc.)	Front	Teflon, One Piece
	Rear	Teflon, One Piece

### Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	415 (60) @ 5000
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	5.6 (6.0)

### Engine - Diesel Information

(NOT APPLICABLE)

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

### Engine - Intake System

(NOT APPLICABLE)

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

\* Finished State

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description Engine Code	3.8 LITER V6 L36 - Y87
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### Vehicle Emission Control

Type (air injection, engine modifications, other)		See Below	
Exhaust Emission Control	Air injection	Pump or pulse	Not Applicable
		Driven by	Not Applicable
		Air distribution (head, manifold, etc.)	Not Applicable
		Point of entry	Not Applicable
	Exhaust Gas	Type (controlled flow, open orifice, other)	Controlled Flow
		Exhaust source	Exhaust Manifold
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
	Recirculation	Type	Three way catalvst
		Number of	Two
		Locations(s)	Underfloor
		Volume L (in <sup>3</sup> )	170 in <sup>3</sup>
		Substrate type	Monolithic/Ceramic
		Noble metal type	Platinum, Palladium, Rhodium
Catalytic Converter	Noble metal concentration (g/cm <sup>2</sup> )		
	Type (ventilates to atmosphere, induction system, other)	Positive Ventilation to Induction System	
	Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum	
	Discharges to (intake manifold, other)	Intake Manifold	
Crankcase Emission Control	Air inlet (breather cap, other)	Throttle Body	
	Vapor vented to (crankcase, canister, other)	Canister	
Evaporative Emission Control	From Fuel Tank To	Not Applicable	
	From Carburetor To	Canister	
Electronic system	Closed loop (yes/no)	Yes	
	Open loop (yes/no)	No	

### Engine - Exhaust System V6-Y87

Type (single, single with cross-over, dual, other)	Single - All Stainless System	
Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)	Reverse Flow, 987 in <sup>3</sup> (16.2L) One Stainless Steel Muffler with Two Tail Pipe 7.2 (15.9) (16.2L)	
Resonator no., type, & volume (liters)	Not Applicable	
Exhaust pipe	Branch o.d., wall thickness	
	Main o.d., wall thickness	
	Material & Mass kg. (weight lbs.)	
Intermediate pipe	o.d. & wall thickness	2.25 in. x 1.3 mm Stainless Steel
	Material & Mass kg. (weight lbs.)	Stainless Steel, 4.6 kg (10.1)
Tail pipe	o.d. & wall thickness	2.5 in. x 1.0 mm Stainless Steel
	Material & Mass kg. (weight lbs.)	Aluminized Stainless Steel, 1.0 (2.2)

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

5.7 LITER V8 LS1

### Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle
Radiator cap relief valve pressure kPa (psi)		124.0 (18.0)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	86.0 (187.0)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	10.5
	Number of pumps	One
	Drive (V-belt, other)	Poly V-Belt
	Bearing type	Double Row (Ball)
	Impeller material	Steel
Housing material		Cast Aluminum
By-pass recirculation type (inter., ext.)		Internal
Cooling System capacity	With heater - L (qt.)	Not Applicable
	With air conditioner - L (qt.)	11.15 (11.78) Auto: 11.30 (11.94) Manual
	Opt. equipment specify - L (qt.)	--
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	Standard
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	C.A.B. Brazed Tube & Fin
	Material, mass kg (wgt., lbs.)	Aluminum, 3.29 (7.25) W/O TOC      Aluminum, 3.99 (8.80) W/TOC
	Width	630 mm (24.8 in.) W/O TOC      630 mm (24.8 in.) W/TOC
	Height	438 mm (17.2 in.)
	Thickness	24.0 mm (1.3 in.)
	Fins per inch	8.47
Radiator end tank material		Glass - Reinforced Nylon
Fan	Std., elec., opt.	Standard, Electric
	Number of blades & type (flex, solid, material)	5 Blades, Solid, Plastic
	Number & location (front, rear of radiator)	Dual Pullers
	Diameter & projected width	316 mm Dia. / 72 mm Width
	Ratio (fan to crankshaft rev.)	--
	Fan cutout type	ECM Controlled
	Drive type (direct, remote)	--
	RPM at idle (elec.)	2100-2300
	Motor rating (wattage/elec.)	150 W, Each
	Motor switch (type & location/elec.)	Relay
	Switch point (temp./pressure/elec.)	Low, 226 F / 248 psi High, 235 F / 248 psi
	Fan shroud (material)	Nylon Six/Six

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

5.7 LITER V8 LS1

### Vehicle Emission Control

Type (air injection, engine modifications, other)		See Below	
Exhaust Emission Control	Air injection	Pump or pulse	Pump
		Driven by	Electric
		Air distribution (head, manifold, etc.)	Exhaust Manifold
		Point of entry	Exhaust Manifold
	Exhaust Gas	Type (controlled flow, open orifice, other)	Controlled Flow
		Exhaust source	Exhaust Manifold
	Recirculation	Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
	Catalytic Converter	Type	Three-Way Catalyst
		Number of	Two
		Locations(s)	Right: Under Body Left: Close Coupled
		Volume L (in <sup>3</sup> )	1.4 (85.0)
		Substrate type	Monolith
Noble metal type		Platinum, Rhodium	
	Noble metal concentration (g/cm <sup>3</sup> )	0.001917	
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
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	From Fuel Tank To	Canister
		From Carburetor To	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 - All Stainless Steel System	
○ Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)	Reverse Flow, (19.8L) One Stainless Steel Muffler with Dual Tailpipes, 9.0 (19.8)	
○ Resonator no., type, & volume (liters)	Not Applicable	
Exhaust pipe	Branch o.d., wall thickness	2.25 in. Laminated Pipes. 0.7mm Each Layer
	Main o.d., wall thickness	
	Material & Mass kg. (weight lbs.)	Stainless Steel, 4.0 (8.8)
Intermediate pipe	o.d. & wall thickness	2.75 in. x 1.3 mm. Stainless Steel
	Material & Mass kg. (weight lbs.)	Stainless Steel, 5.0 (11.0)
Tail pipe	o.d. & wall thickness	2.25 in. x 1.0 mm. Stainless Steel
	Material & Mass kg. (weight lbs.)	Stainless Steel, 1.8 (3.98)

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued Revised (●)

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

5.7 LITER V8 LS1

### 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		Bosch
Carburetor no. of barrels		Not Applicable
Idle A/F mix.		PCM Controlled
Fuel injection	Point of injection (no.)	Ports (Eight)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic - On Board Computer
	System pressure kPa (psi)	400.0 (58.0)
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)		None
Air cleaner type		Replaceable Paper Element
Fuel filter (type/location)		Inline Replaceable / Near Fuel Tank
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Tank
	Pressure range kPa (psi)	Normal 83.0 (12.0), Shut Off 135 (19.6)
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	23-30 gr/sec @ 83 (12.0)

### Fuel Tank

Capacity refill L (gallons)		58.6 (15.5)
Location (describe)		Rear and Above Rear Axle
Attachment		Two Metal (Steel) Straps
Material & Mass kg. (weight lbs.)		Long Term Sheet Steel GM-7M, 9.0 (19.8)
Filler pipe	Location & material	Left Rear Quarter Panel (Coated Steel Tube)
	Connection to tank	Soldered on Left Side
Fuel line (material)		Multi - Layer Nylon and Coated Steel Tubing
Fuel hose (material)		Multi - Layer Nylon and Coated Steel Tubing
Return line (material)		Multi - Layer Nylon and Coated Steel Tubing
Vapor line (material)		Multi - Layer Nylon and Coated Steel Tubing
Extended range tank	Opt., n.a.	Not Available
	Capacity L (gallons)	Not Available
	Location & material	Not Available
	Attachment	Not Available
Auxiliary tank	Opt., n.a.	Not Available
	Capacity L (gallons)	Not Available
	Location & material	Not Available
	Attachment	Not Available
	Selector switch or valve	Not Available
Separate fill		Not Available

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 LS1
Engine Code	

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

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

### Manual Transmission/Transaxle

Number of forward speeds		Six
Gear ratios	1st	2.66
	2nd	1.78
	3rd	1.30
	4th	1.00
	5th	0.74
	6th	0.50
	Reverse	2.90
Synchronous meshing (specify gears)		All (One -Six6 Plus Reverse)
Shift lever location		Trans. Extension
Trans. case material & mass kg. (lbs.)*		Aluminum, 59.4 (131.0)
Lubricant	Capacity L (pt.)	3.84 (8.13)
	Type recommended	Dexron III

### Clutch (Manual Transmission)

Clutch manufacturer		Valeo Clutches & Transmissions
Clutch type (dry, wet; single, multiple disc)		280 mm Pull Type - Dry Clutch
Linkage (hydraulic, cable, rod, lever, other)		Hydraulic Pre-Filled
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	133 (30)
	Released	115 (26)
Assist (spring, power/percent, nominal)		None
Type pressure plate springs		Diaphragm
Total spring load (nominal) N (lbs.)		9400 (2136)
Clutch facing	Facing mfr. & material coding	Valeo F-202
	Facing material & construction	Non-Asbestos Woven
	Rivets per facing	32
	Outside x inside dia. (nominal)	280 x 180 mm (11.02 x 7.09 in.)
	Total eff. area cm <sup>2</sup> (in. <sup>2</sup> )	361.3 (56.0)
	Thickness (pressure plate side/fly wheel side)	3.3 / 3.3 mm (0.130 / 0.130 in.)
	Rivet depth (pressure plate side/fly wheel side)	1.1 mm (0.043 in.)
Engagement cushion method		Cushion Springs
Release bearing type & method lub.		Angular Contact Ball Bearing
Torsional damping method, springs, hysteresis		Disk Douted Torsional Spring Damper

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

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

3.8 LITER V6 L36 & Y87

### Vehicle Emission Control

Type (air injection, engine modifications, other)		See Below		
Exhaust Emission Control	Air injection	Pump or pulse	Not Applicable	
		Driven by	Not Applicable	
		Air distribution (head, manifold, etc.)	Not Applicable	
		Point of entry	Not Applicable	
	Exhaust Gas	Type (controlled flow, open orifice, other)	Controlled Flow	
		Exhaust source	Exhaust Manifold	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold	
	Catalytic Converter	Type	Three way catalyst	
		Number of	Two	
		Locations(s)	Underfloor	
		Volume L (in <sup>3</sup> )	170 in <sup>3</sup>	
		Substrate type	Monolithic/Ceramic	
		Noble metal type	Platinum, Palladium, Rhodium	
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)	Positive Ventilation to Induction System		
	Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum		
	Discharges to (intake manifold, other)	Intake Manifold		
	Air inlet (breather cap, other)	Throttle Body		
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	From Fuel Tank To	Canister	
		From Carburetor To	Not Applicable	
	Vapor storage provision	Canister		
Electronic system	Closed loop (yes/no)	Yes		
	Open loop (yes/no)	No		

### Engine - Exhaust System V6-Y87

Type (single, single with cross-over, dual, other)		Single - All Stainless System	
Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)	Reverse Flow, 987 in <sup>3</sup> (16.2L)		
	One Stainless Steel Muffler with Two Tailpipes 7.2 (15.9)		
Resonator no., type, & volume (liters)	Not Applicable		
Exhaust pipe	Branch o.d., wall thickness		
	Main o.d., wall thickness		
	Material & Mass kg. (weight lbs.)		
Intermediate pipe	o.d. & wall thickness	2.25 in. x 1.3 mm Stainless Steel	
	Material & Mass kg. (weight lbs.)	Stainless Steel, 4.6 (10.1)	
Tail pipe	o.d. & wall thickness	2.25 in. x 1.0 mm Stainless Steel	
	Material & Mass kg. (weight lbs.)	Aluminized Stainless Steel, 1.0 (2.2)	



# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description 3.8 LITER V6 L36  
 Engine Code \_\_\_\_\_

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

**AUTOMATIC - M30**

Axle ratio (or overall top gear ratio)		3.42 (2.39)
Ring gear o.d.		7.625
No. of teeth	Pinion	12
	Ring gear	41

### Rear Axle Unit

Description		Salisbury/Beam HSG
Limited slip differential (type)		Not Applicable
Drive pinion	Type	Hypoid
	Offset	1.50"
No. of differential pinions		Two
Pinion / differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Cylindrical Roller Direct on Shafts, Drawn Cup
Lubricant	Capacity L (pt.)	1.65 (3.5)
	Type recommended	GM Lube # 9985182

### Propeller Shaft - Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)		American Axle and Manufacturing Two Piece with Internal Damper	
Outer diam. x length* x wall thickness	Manual 4-speed transmission	Not Applicable	
	Manual 5-speed transmission	Not Applicable	
	Manual 6-speed transmission	Not Applicable	
	Overdrive		
Intermediate bearing	Automatic transmission	69.9 x 1057.0 x 1.65 mm (2.75 x 41.6 x 0.065 in.) *	
	Type (plain, anti-friction)	Anti-Friction	
Slip yoke	Lubrication (fitting, prepack)	Prepack	
	Type	Splined	
	Number of teeth	27	
Universal joints	Spline o.d.	29.87 mm (1.176 in.)	
	Make and mfg. no.	Front	American Axle & Manufacturing, S-44
		Rear	American Axle & Manufacturing, S-44
	Number used	Two	
	Type (ball and trunnion, cross)	Cross. Also Cross Groove Joint used in Center Pre-Packed	
	Rear attach (u-bolt, clamp, etc.)	Straps & Belts	
	Bearing	Type (plain, anti-friction)	Anti-Friction
Lubrication (fitting, prepack)		Pre-Packed	
Drive taken through (torque tube, arms or springs)		Propshaft Assembly	
Torque taken through (torque tube, arms or springs)		Torque Arm Assembly	

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

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description  
 Engine Code

3.8 LITER V6 L36

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

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	Borg Warner, USA (M49)
Manual 6-speed (manufacturer/country)	Not Applicable
Automatic (manufacturer/country)	Not Applicable
Automatic overdrive (manufacturer/country)	GM Powertrain Group, USA

### Manual Transmission/Transaxle

Number of forward speeds		Five
Gear ratios	1st	3.75
	2nd	2.19
	3rd	1.41
	4th	1.00
	5th	0.72
	6th	Not Applicable
	Reverse	3.53
Synchronous meshing (specify gears)		1-2-3-4-5
Shift lever location		Trans. Extension
Trans. case material & mass kg. (lbs.)*		Aluminum 43.2 (95.3)
Lubricant	Capacity L (pt.)	3.2 (6.8)
	Type recommended	Dexron III

### Clutch (Manual Transmission)

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

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

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description And/Or  
 Engine Code/Description

F41

### Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not available	Not Applicable	
	Manual/automatic control	Not Applicable	
	Type (air/hydraulic)	Not Applicable	
	Primary/assist spring	Not Applicable	
	Rear only/4 wheel leveling	Not Applicable	
	Single/dual rate spring	Not Applicable	
	Single/dual ride heights	Not Applicable	
	Provision for jacking	Jacking Provisions on Rocker Panels	
Shock absorber damping controls	Standard/option/not available	Not Applicable	
	Manual/automatic control	Not Applicable	
	Number of damping rates	Not Applicable	
	Type of actuation (manual/electric motor/air, etc.)	Not Applicable	
	Sensors	Lateral acceleration	Not Applicable
		Deceleration	Not Applicable
Acceleration		Not Applicable	
Road surface		Not Applicable	
Shock absorber (front & rear)	Type	Direct, Monotube, Hydraulic with High Pressure Gas Charge	
	Make	Delphi - E/DeCarbon	
	Piston diameter	46 mm (1.81 in.), Front; 36 mm (1.42 in.), Rear	
	Rod diameter	14 mm (0.55 in.), Front; 10 mm, Rear	

### Suspension - Front

Type and description		Independent w/Coil Springs, SLA (With Coil Over Shock) Gas-Charged Shocks
Travel	Full jounce (define load condition)	Maximum Effective Jounce from Curb, 93.5 mm (3.68 in.)
	Full rebound	Maximum Effective Rebound from Curb, 91.5 mm (3.60 in.)
Spring	Type (coil, leaf, other & material)	Coil, Steel
	Insulators (type & material)	Rubber (Top, Integral Part of Top Mount, Plastic Bottom)
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	250.7 mm Checking Height 85.0 I.D.
	Spring rate N/mm (lb./in.)	45 N/mm
	Rate at wheel N/mm (lb./in.)	Spring Rate x (0.346)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & O.D. bar/tube, wall thickness	Tubular Steel - 28 mm (1.18 in.) O.D. Painted; 4.2 mm Wall

### Suspension - Rear

Type and description		Salisbury Axle w/Torque Arm, Trailing Arm, Track Bar, Coil Springs	
Travel	Full jounce (define load condition)	108.0 mm From Curb	
	Full rebound	85.0 mm From Curb	
Spring	Type (coil, leaf, other & material)	Coil-Steel	
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	248.2 mm Checking Height 108.0 I.D.	
	Spring rate N/mm (lb./in.)	19.9 (113.7)	
	Rate at wheel N/mm (lb./in.)	0.98 x Spring Rate	
	Insulators (type & material)	Rubber Isolated	
	If leaf	No. of leaves	Not Applicable
		Shackle (comp. or tens.)	"
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & O.D. bar/tube, wall thickness	Steel, 15.0 mm Bar	
Track bar (type)		"U" Section w/ Rubber Bushings	

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description 3.8 LITER V6 L36  
 Engine Code \_\_\_\_\_

### Automatic Transmission/Transaxle

Trade Name		Hydra-Matic		
Type and special features (describe)		Four-Speed Electronic Controlled Automatic (Overdrive Transmission with Lock-up Torque Converter Clutch)		
Shift mechanics		Two-Three and Three-Two Shifts are Synchronized		
Gear selector	Location (column, floor, other)	Floor		
	Ltr./No. designation (e.g. PRND21)	P-R-N- <b>D</b> -D-2-1		
	Shift interlock (yes, no, describe)	Yes, Brake Interlock		
Gear ratios	1st	3.06		
	2nd	1.63		
	3rd	1.00		
	4th	0.70		
	5th	Not Applicable		
	6th	Not Applicable		
	Reverse	2.29		
Final drive ratio		3.08		
Max. upshift vehicle speed - drive range km/h (mph)		One - Two = 66 One - Two = 58	Two - Three = 122 Two - Three = 116	Three - Four = 179 - 3.08 axle Three - Four = 179 - 3.42 axle
Max. upshift engine speed RPM		5700		
Max. kickdown speed - drive range km/h (mph)		Four - Three = 175 Four - Three = 175	Three - Two = 109 Three - Two = 108	Two - One = 45 - 3.08 axle Two - One = 51 - 3.42 axle
Min. overdrive speed km/h (mph)		74 (46)		
Torque converter	Type	Three Element with Converter Clutch		
	Torus design			
	Number of elements	Three		
	Max. ratio at stall	1.6		
	Type of cooling (air, liquid)	Liquid		
	Nominal diameter	245 mm		
Capacity factor *K**		122		
Pump type		Vane		
Lubricant	Capacity refill L (pt.)	4.8 (10)		
	Type recommended	Dexron III		
Oil cooler (std., opt., N.A., internal, external, air, liquid)		External Liquid		
Transmission mass kg (lbs.) & case material**		75.9 (167) Wet, Aluminum		

### All Wheel / 4 Wheel Drive (NOT APPLICABLE)

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

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

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

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description And/Or  
 Engine Code/Description

FE4

### Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not available		Not Applicable	
	Manual/automatic control		Not Applicable	
	Type (air/hydraulic)		Not Applicable	
	Primary/assist spring		Not Applicable	
	Rear only/4 wheel leveling		Not Applicable	
	Single/dual rate spring		Not Applicable	
	Single/dual ride heights		Not Applicable	
	Provision for jacking		Jacking Provisions on Rocker Panels	
Shock absorber damping controls	Standard/option/not available		Not Applicable	
	Manual/automatic control		Not Applicable	
	Number of damping rates		Not Applicable	
	Type of actuation (manual/ electric motor/air, etc.)		Not Applicable	
	Sensors	Lateral acceleration		Not Applicable
		Deceleration		Not Applicable
		Acceleration		Not Applicable
Road surface		Not Applicable		
Shock absorber (front & rear)	Type		Direct, Monotube, Hydraulic with High Pressure Gas Charge	
	Make		Delphi - E/DeCarbon	
	Piston diameter		46 mm (1.81 in.), Front; 36 mm (1.42 in.), Rear Convertible; 46mm (1.81 in.), Rear Coupe	
	Rod diameter		14 mm (0.55 in.), Front; 10 mm, Rear	

### Suspension - Front

Type and description		Independent w/Coil Springs, SLA (With Coil Over Shock) Gas-Charged Shocks	
Travel	Full jounce (define load condition)	Maximum Effective Jounce from Curb, 93.5 mm (3.68 in.)	
	Full rebound	Maximum Effective Rebound from Curb, 91.5 mm (3.60 in.)	
Spring	Type (coil, leaf, other & material)		Coil, Steel
	Insulators (type & material)		Rubber (Top, Integral Part of Top Mount, Plastic Bottom)
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		250.7 mm Checking Height 85.0 I.D.
	Spring rate N/mm (lb./in.)		51 (291), Convertible: 63 (360), Coupe
	Rate at wheel N/mm (lb./in.)		Spring Rate x (0.346)
Stabilizer	Type (link, linkless, frameless)		Link
	Material & O.D. bartube, wall thickness		Tubular Steel - 32 mm (1.0 in.) O.D. Painted: 4.8 mm Wall

### Suspension - Rear

Type and description		Salisbury Axle w/Torque Arm, Trailing Arm, Track Bar, Coil Springs	
Travel	Full jounce (define load condition)	108.0 mm From Curb	
	Full rebound	85.0 mm From Curb	
Spring	Type (coil, leaf, other & material)		Coil-Steel
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		248.2 mm Checking Height 108.0 I.D.
	Spring rate N/mm (lb./in.)		19.9 (113.7), Convertible: 23-30 (131-171) Variable Rate, Coupe
	Rate at wheel N/mm (lb./in.)		0.98 x Spring Rate
	Insulators (type & material)		Rubber Isolated
	If leaf	No. of leaves	Not Applicable
		Shackle (comp. or tens.)	-
Stabilizer	Type (link, linkless, frameless)		Link
	Material & O.D. bartube, wall thickness		Steel Bar, 19.0 mm O.D.
Track bar (type)		"U" Section w/ Rubber Bushings	

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Description 5.7 LITER V8 LS1  
 Engine Code

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

		AUTOMATIC - M30		MANUAL - M49
Axle ratio (or overall top gear ratio)		3.23 (2.03)	2.73 (1.91)	3.42
Ring gear o.d.		7.625 in.	7.625 in.	7.625 in.
No. of teeth	Pinion	13	15	12
	Ring gear	42	41	41

### Rear Axle Unit

Description		Salisbury/Beam Housing
Limited slip differential (type)		Cone Clutch
Drive pinion	Type	Hypoid
	Offset	38.1 (1.50)
No. of differential pinions		Two
Pinion / differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Cylindrical Roller Direct on Shafts. Drawn Cup
Lubricant	Capacity L (pt.)	1.66 (3.5)
	Type recommended	GM Lube #9985182 W/Two Ounces of #9985412

### Propeller Shaft - Rear Wheel Drive

Manufacturer		Straight Tube, Internal Damper and External Damper	
Type (straight tube, tube-in-tube, internal-external damper, etc.)			
Outer diam. x length* x wall thickness	Manual 4-speed transmission	Not Available	
	Manual 5-speed transmission	Not Available	
	Manual 6-speed transmission	63.5 x 1036.0 x 1.65 mm (2.5 x 40.8 x 0.065 in.)*	
	Overdrive		
Intermediate bearing	Automatic transmission	63.5 x 1057.0 x 1.65 mm (2.5 x 41.6 x 0.065 in.)*	
	Type (plain, anti-friction)	Not Available	
Slip yoke	Lubrication (fitting, prepack)	-	
	Type	Splined	
	Number of teeth	27 Teeth	
Universal joints	Spline o.d.	29.87 mm (1.176 in.)	
	Make and mfg. no.	Front	American Axle, S-44
		Rear	American Axle, S-44
	Number used	Two	
	Type (ball and trunnion, cross)	Cross	
	Rear attach (u-bolt, clamp, etc.)	Strap & Bolt	
Bearing	Type (plain, anti-friction)	Anti-Friction	
	Lubrication (fitting, prepack)	Prepacked	
Drive taken through (torque tube, arms or springs)		Propeller Shaft Assembly	
Torque taken through (torque tube, arms or springs)		Torque Arm Assembly	

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

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued            Revised (●)           

## METRIC (U.S. Customary)

Model Code/Description And/Or  
 Engine Code/Description

Z28 & BASE

### Brakes - Service

Description		Front & Rear Disc Brakes	
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)	Disc	
	Rear (disc or drum)	Disc	
Valving type (proportion, delay, metering, other)		Electronic Proportioning Front/Rear Split. Failure Warning	
Power brake (std., opt., n.a.)		Standard	
Booster type (remote, integral, vac., hyd., etc.)		Compact Tandem Vacuum. 220 mm (8.7 in.)	
Vacuum	Source (inline, pump, etc.)	Inline	
	Reservoir (volume in. <sup>3</sup> )	Not Applicable	
	Pump-type (elec., gear or belt driven)	Not Applicable	
Traction assist	Operational speed range	Optional - 0 KPH (0 MPH). VMAX	
	Type (engine or brake intervention)	Brake Intervention, Throttle Pull-Back, and Spark Retard	
Antilock device	Front/rear (std., opt., n.a.)	Standard	
	Manufacturer	Robert Bosch Corporation	
	Type (electronic, mech.)	Electr-Mechanical	
	Number sensors or circuits	Three (Four W/Optional Traction Control)	
	Number antilock hydraulic circuits	Three (Four W/Optional Traction Control)	
	Integral or add-on system	Remote Add-On	
	Yaw control (yes, no)	Yes (In Software)	
Hyd. power source (elec., vac., mtr., pwr., strg.)	Motor Pump		
Effective area cm <sup>2</sup> (in. <sup>2</sup> )*		Total: 373.6 (57.9) = F/262.4 (40.7) & R/111.2 (17.2)	
Gross Lining area cm <sup>2</sup> (in. <sup>2</sup> )** (F/R)		Total: 385.4 (59.7) = F/274.2 (37.8) & R/111.2 (17.2)	
Swept area cm <sup>2</sup> (in. <sup>2</sup> )** (F/R)		Total: 2633 (407.6) = F/1539 (238.6) & R/1094 (169)	
Rotor	Outer working diameter	F/R	F/298.6 mm (11.8 in.); R/301.0 mm (11.85 in.)
	Inner working diameter	F/R	F/200.4 mm (7.89 in.); R/236.2 mm (9.30 in.)
	Thickness	F/R	F/32.2 mm (1.27 in.); R/26.0 (1.02 in.)
	Material & type (vented/solid)	F/R	F/Cast Iron Vented; R/ Cast Iron Vented
Drum	Diameter & width	F/R	Not Applicable
	Type and material	F/R	Not Applicable
Wheel cylinder bore		F/Dual Bore 45 mm (1.77 in.) = 63.5mm (2.5 in.) Equivalent R/45 mm (1.77 in.)	
Master cylinder	Bore/stroke	F/R	Bore: 25.4 mm (1.0 in.)
Pedal arc ratio		3.20:1	
Line press. at 445 N (100 lb.) pedal load [kPa (psi)]		--	
Lining clearance		F/R	Self-Adjusting/Self-Adjusting
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Integrally Molded
		Rivet Size	Not Applicable
		Manufacturer	AKEBONO
		Lining code *****	AKNS166H FF
		Material	Non Asbestos Organic (NAO)
		**** Primary or out-board	16.8 x 4.88 x 0.96 cm (6.61 x 1.92 x 0.378 in.)
		Size Secondary or in-board	16.8 x 4.88 x 0.96 cm (6.61 x 1.92 x 0.378 in.)
	Shoe thickness (no lining)	5.0 mm (0.197 in.)	
	Rear wheel	Bonded or riveted (rvts/seg.)	Integrally Molded
		Manufacturer	Bendix Mintex
		Lining code *****	DC136EE
		Material	Non Asbestos Organic (NAO)
		**** Primary or out-board	10.0 x 3.24 x 1.05 cm. (3.93 x 1.28 x 0.41 in.)
		Size Secondary or in-board	10.0 x 3.24 x 1.05 cm. (3.93 x 1.28 x 0.41 in.)
Shoe thickness (no lining)		6.0 mm (0.24 in.)	

\* Excludes rivet holes, grooves, chamfers, etc.

\*\* Includes rivet holes, grooves, chamfers, etc.

\*\*\* Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)  
 (Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)

\*\*\*\* Size for drum brakes includes length x width x thickness.  
 classification.

\*\*\*\*\* Manufacturer I.D., catalog for formulation designation and coefficient of friction

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description And/Or  
 Engine Code/Description

FE2

### Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not available		Not Applicable	
	Manual/automatic control		Not Applicable	
	Type (air/hydraulic)		Not Applicable	
	Primary/assist spring		Not Applicable	
	Rear only/4 wheel leveling		Not Applicable	
	Single/dual rate spring		Not Applicable	
	Single/dual ride heights		Not Applicable	
	Provision for jacking		Jacking Provisions on Rocker Panels	
Shock absorber damping controls	Standard/option/not available		Not Applicable	
	Manual/automatic control		Not Applicable	
	Number of damping rates		Not Applicable	
	Type of actuation (manual/electric motor/air, etc.)		Not Applicable	
	Sensors	Lateral acceleration		Not Applicable
		Deceleration		Not Applicable
Acceleration		Not Applicable		
Road surface		Not Applicable		
Shock absorber (front & rear)	Type		Direct, Monotube, Hydraulic with High Pressure Gas Charge	
	Make		Delphi - E/DeCarbon	
	Piston diameter		46 mm (1.81 in.), Front; 36 mm (1.42 in.), Rear	
	Rod diameter		14 mm (0.55 in.), Front; 10 mm, Rear	

### Suspension - Front

Type and description		Independent w/Coil Springs, SLA (With Coil Over Shock) Gas-Charged Shocks	
Travel	Full jounce (define load condition)	Maximum Effective Jounce from Curb, 93.5 mm (3.68 in.)	
	Full rebound	Maximum Effective Rebound from Curb, 91.5 mm (3.60 in.)	
Spring	Type (coil, leaf, other & material)		Coil, Steel
	Insulators (type & material)		Rubber (Top, Integral Part of Top Mount, Plastic Bottom)
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		250.7 mm Checking Height 85.0 I.D.
	Spring rate N/mm (lb./in.)		51 (291)
	Rate at wheel N/mm (lb./in.)		Spring Rate x (0.346)
Stabilizer	Type (link, linkless, frameless)		Link
	Material & O.D. bar/tube, wall thickness		Tubular Steel - 28 mm (1.18 in.) O.D. Painted; 4.5 mm Wall

### Suspension - Rear

Type and description		Salisbury Axle w/Torque Arm, Trailing Arm, Track Bar, Coil Springs	
Travel	Full jounce (define load condition)	108.0 mm From Curb	
	Full rebound	85.0 mm From Curb	
Spring	Type (coil, leaf, other & material)		Coil-Steel
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		248.2 mm Checking Height 108.0 I.D.
	Spring rate N/mm (lb./in.)		19.9 (113.7)
	Rate at wheel N/mm (lb./in.)		0.98 x Spring Rate
	Insulators (type & material)		Rubber Isolated
	If leaf	No. of leaves	Not Applicable
Shackle (comp. or tens.)		-	
Stabilizer	Type (link, linkless, frameless)		Link
	Material & O.D. bar/tube, wall thickness		Steel Bar, 19.0 mm O.D.
Track bar (type)		"U" Section w/ Rubber Bushings	



# MVMA Specifications

Vehicle Line CAMARO

Model Year 1998 Issue            Revised (●)           

## METRIC (U.S. Customary)

Model Code/Description And/Or  
Engine Code/Description

BASE

Z28

### Tires And Wheels (Standard)

Tires	Size (service description)		P215/60R-16	P235/55R16
	Type (bias, radial, steel, nylon, etc.)		Steel Belted Radial Touring Tire	Steel Belted Radial Touring Tire
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	210 (30)	210 (30)
		Rear kPa (psi)	210 (30)	210 (30)
	Rev./mile at 70 km/h (45 mph)		495	495
Wheels	Type & material		Steel	Cast Aluminum
	Rim (size & flange type)		16 x 7.5 J	16 x 8 J
	Wheel offset		55 mm	55 mm
	Attachment	Type (bolt or stud & nut)	Stud	Stud
		Circle diameter	120.7 mm (4.75 in.)	120.7 mm (4.75 in.)
Number & size		5-M12 x 1.5 - 6H - thd. (Metric)	5-M12 x 1.5 - 6H - thd. (Metric)	
Spare	Tire and wheel		16 x 4 T135/60R16	16 x 4 T135/60R16
	Storage position & location (describe)		Vertically Adjacent to R.H. Quarter Panel	Vertically Adjacent to R.H. Quarter Panel

### Tires And Wheels (Optional)

Tire size (service description)		P235/55R16	P245/50ZR16 * (+)
Type (bias, radial, steel, nylon, etc.)		Steel Belted Radial Touring Tire	Std. Bltd. Radial Hwy. Hi-Prfmnc.
Wheel (type & material)		Cast Aluminum	Hi-Performance, Cast Aluminum
Rim (size, flange type and offset)		16 x 8 J, 55 mm	16 x 8 J, 55 mm
Tire size (service description)		P215/60R16 AL3	@ P245/50ZR16 AL3
Type (bias, radial, steel, nylon, etc.)		Steel Belted Radial Performance	Steel Bltd. Radial Hwy Hi-Perf.
Wheel (type & material)		Aluminum	Hi-Performance Cast Aluminum
Rim (size, flange type and offset)		16 x 8 J, 55 mm	16 x 8 J, 55 mm
Tire size (service description)			P275/40ZR17
Type (bias, radial, steel, nylon, etc.)			STL BLTD Radial
Wheel (type & material)			Hi-Performance - Cast Aluminum
Rim (size, flange type and offset)			17 x 9 J; 50mm
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 Application - Push Button Release - Self-Adjusting
Location of control		Right Side of Floor Console
Operates on		Operates on Drum Section Inside Rotor
If separate from service brakes	Type (internal or external)	Internal
	Drum diameter	190 mm
	Lining size (length x width x thickness)	210 x 23 x 3.5

© Recommended with NWS Acceleration Slip Regulation (AL3 - All Season Performance) 505 Rev/Mile at 70 km/h (45 mph)

(\*) Directional Tread, Asymmetrical (+) Non "All Season" Tires 505 Rev/Mile at 70 km/h (45 mph)

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description And/Or  
 Engine Code/Description

FE7

### Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not available	Not Applicable	
	Manual/automatic control	Not Applicable	
	Type (air/hydraulic)	Not Applicable	
	Primary/assist spring	Not Applicable	
	Rear only/4 wheel leveling	Not Applicable	
	Single/dual rate spring	Not Applicable	
	Single/dual ride heights	Not Applicable	
	Provision for jacking	Jacking Provisions on Rocker Panels	
Shock absorber damping controls	Standard/option/not available	Option	
	Manual/automatic control	Manual	
	Number of damping rates	Frt: 1.75 Turns Rebound - Six Clinks Jounce RR: 1.25 Turns Rebound Six Clinks Jounce	
	Type of actuation (manual/electric motor/air, etc.)	Manual	
	Sensors	Lateral acceleration	Not Applicable
		Deceleration	Not Applicable
		Acceleration	Not Applicable
Road surface		Not Applicable	
Shock absorber (front & rear)	Type	Direct, Twin Tube, Hydraulic with Low Pressure Gas Charge, Double Adjustable	
	Make	Koni	
	Piston diameter	33 mm Frt.	
	Rod diameter	15.75 mm, Front; 15.75 mm, Rear	

### Suspension - Front

Type and description		Independent w/Coil Springs, SLA (With Coil Over Shock) Gas-Charged Shocks
Travel	Full jounce (define load condition)	Maximum Effective Jounce from Curb, 93.5 mm (3.68 in.)
	Full rebound	Maximum Effective Rebound from Curb, 91.5 mm (3.60 in.)
Spring	Type (coil, leaf, other & material)	Coil, Steel
	Insulators (type & material)	Rubber (Top, Integral Part of Top Mount, Plastic Bottom)
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	250.7 mm Checking Height 85.0 I.D.
	Spring rate N/mm (lb./in.)	63 (360)
	Rate at wheel N/mm (lb./in.)	Spring Rate x (0.346)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & O.D. bar/tube, wall thickness	Tubular Steel - 32 mm (1.18 in.) O.D. Painted; 4.8 mm Wall

### Suspension - Rear

Type and description		Salisbury Axle w/Torque Arm, Trailing Arm, Track Bar, Coil Springs
Travel	Full jounce (define load condition)	108.0 mm From Curb
	Full rebound	85.0 mm From Curb
Spring	Type (coil, leaf, other & material)	Coil-Steel
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	248.2 mm Checking Height 108.0 I.D.
	Spring rate N/mm (lb./in.)	23-30 (131-171) Variable Rate
	Rate at wheel N/mm (lb./in.)	0.98 x Spring Rate
	Insulators (type & material)	Rubber Isolated
	If leaf	No. of leaves
	Shackle (comp. or tens.)	"
Stabilizer	Type (link, linkless, frameless)	Link
	Material & O.D. bar/tube, wall thickness	Steel Bar, 19.0 mm O.D.
Track bar (type)		"U" Section w/ Rubber Bushings

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (#) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description And/Or  
 Engine Code/Description

ALL

### Wheel Alignment

(Assume Measurements are Done on Hunter Equipment or Equivalent)

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	+4.4 (±) 0.5 Cross Within 0.7
		Camber (deg.)	+0.4 (±) 0.5 Cross Within 0.7
		Toe-in outside track mm (in.)	0.0 (±) 0.2
	Service reset*	Caster (deg.)	+4.4 (±) 0.5 Cross Within 0.5
		Camber (deg.)	+0.4 (±) 0.5 Cross Within 0.5
		Toe-in mm (in.)	0.0 (±) 0.1
	Periodic M.V. inspection	Caster (deg.)	+4.4 (±) 0.5
		Camber (deg.)	+0.4 (±) 0.5
		Toe-in mm (in.)	0.0 (±) 0.2
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	Not Serviceable
		Toe-in outside track mm (in.)	Not Serviceable
	Service reset*	Camber (deg.)	Not Serviceable
		Toe-in mm (in.)	Not Serviceable
	Periodic M.V. insp.	Camber (deg.)	Not Serviceable
		Toe-in mm (in.)	Not Serviceable

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

### Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	Analog, Standard	
	Trip odometer (std., opt., n.a.)	Standard ( LCD for Season & Trip Odo.)	
Head-up display	Standard, optional, not available		Not Applicable
	Type	Secondary, opto-electronic	Not Applicable
	Speedometer	Digital	Not Applicable
	Status/warning indicators	Turn signals, high beam, low fuel, check gauges	Not Applicable
	Brightness control	Day / night mode, adjustable	Not Applicable
EGR maintenance indicator		Not Available	
Charge indicator	Type	Analog Gage, Standard	
	Warning device (light, audible)	Check Gages Telltale	
Temperature indicator	Type	Analog Gage, Standard	
	Warning device (light, audible)	Check Gages Telltale	
Oil pressure indicator	Type	Analog Gage, Standard	
	Warning device (light, audible)	Check Gages Telltale	
Fuel indicator	Type	Analog Gage, Standard	
	Warning device (light, audible)	Not Available	
Windshield wiper	Type (standard)	Standard - Intermittent Pulse1	
	Type (optional)	Not Available	
	Blade length	24 in.	
	Swept area cm <sup>2</sup> (in. <sup>2</sup> )	7154.8 (1109)	
Windshield washer	Type (standard)	Manual Control	
	Type (optional)	Not Available	
	Fluid level indicator (light, audible)	Not Available	
Rear window wiper, wiper/washer (std., opt., n.a.)		Not Available	
Horn	Type	"High" Note and "Low" Note Diaphragm Type	
	Number used	Two	
Other			

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description And/Or  
 Engine Code/Description

Z28

### Brakes - Service

Description		Front & Rear Disc Brakes			
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)	Disc			
	Rear (disc or drum)	Disc			
Valving type (proportion, delay, metering, other)		Remote Proportioning Front/Rear Solit. Failure Warning			
Power brake (std., opt., n.a.)		Standard			
Booster type (remote, integral, vac., hyd., etc.)		Compact Tandem Vacuum, 220 mm (8.7 in.)			
Vacuum	Source (inline, pump, etc.)	Inline			
	Reservoir (volume in. <sup>3</sup> )	Not Applicable			
	Pump-type (elec., gear or belt driven)	Not Applicable			
Traction assist	Operational speed range	Optional - 0 KPH (0 MPH), 175 KPH (108 MPH)			
	Type (engine or brake intervention)	Brake Intervention, Throttle Pull-Back, and Spark Retard			
Antilock device	Front/rear (std., opt., n.a.)	Standard			
	Manufacturer	Delphi Chassis Systems			
	Type (electronic, mech.)	Electr-Mechanical			
	Number sensors or circuits	Three (Four W/Optional Traction Control)			
	Number antilock hydraulic circuits	Three			
	Integral or add-on system	Remote Add-On			
	Yaw control (yes, no)	Yes (In Software)			
Hyd. power source (elec., vac., mtr., pwr., strg.)		Motor Driven			
Effective area cm <sup>2</sup> (in. <sup>2</sup> )*		Total: 362.4 (56.2) = F/243.6 (37.8) & R/106.8 (16.6)			
Gross Lining area cm <sup>2</sup> (in. <sup>2</sup> )** (F/R)		Total: 362.4 (56.2) = F/243.6 (37.8) & R/118.8 (18.4)			
Swept area cm <sup>2</sup> (in. <sup>2</sup> )***(F/R)		Total: 2464 (382) = F/1340 (208) & R/1124 (174)			
Rotor	Outer working diameter	F/R	F/271.0 mm (10.7 in.); R/289.5 mm (11.4 in.)		
	Inner working diameter	F/R	F/175.6 mm (6.9 in.); R/219.0 mm (8.62 in.)		
	Thickness	F/R	F/32.0 mm (1.26 in.); R/20.0 (0.8 in.)		
	Material & type (vented/solid)	F/R	F/Cast Iron Vented; R/Composite Cast Iron Vented		
Drum	Diameter & width	F/R	Not Applicable		
	Type and material	F/R	Not Applicable		
Wheel cylinder bore		F/63.5 mm (2.5 in.), Disc; R/40.5 mm (1.6 in.), Disc			
Master cylinder	Bore/stroke	F/R	Bore: 25.4 mm (1.0 in.)		
Pedal arc ratio		3.25:1			
Line press. at 445 N (100 lb.) pedal load [kPa (psi)]		--			
Lining clearance		F/R	Self-Adjusting/Self-Adjusting		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Integrally Molded	
		Rivet Size		Not Applicable	
		Manufacturer		Delphi Chassis Systems	
		Lining code *****		DM-8100 (DM 130 EE)	
		Material		Semi-Metallic	
		****	Primary or out-board	13.6 x 4.7 x 1.1 cm. (5.35 x 1.84 x 0.430 in.)	
		Size	Secondary or in-board	12.4 x 4.85 x 1.2 cm (4.88 x 1.91 x 0.480 in.)	
	Shoe thickness (no lining)		4.85 mm (0.191 in.)		
	Rear wheel	Bonded or riveted (rvts/seg.)		Integrally Molded	
		Manufacturer		Japan Brake Industries	
		Lining code *****		HB33 (JB B33 GF)	
		Material		Semi-Metallic	
		****	Primary or out-board	10.8 x 3.53 x 0.825 cm. (4.25 x 1.39 x 0.324 in.)	
		Size	Secondary or in-board	9.45 x 3.53 x 0.825 cm. (3.72 x 1.39 x 0.324 in.)	
Shoe thickness (no lining)		IB 5.5 mm (.21 in.) OB 4.0 mm (.16 in.)			

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

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 - Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Code/Description

5.7 LITER V8 LS1

### Electrical - Supply System

Battery	Manufacturer	Delphi - E
	Model, std., (opt.)	75-525, Standard 19000670 Cat. # 670
	Voltage	12
	Amps at 0° F. cold crank	525
	Minutes-reserve capacity	90 min. @ 80. deg. F.
	Amps/hrs.-20 hr. rate	54 Amp Hrs.
	Location	Engine Compartment Front Right Corner
Alternator	Manufacturer	Delphi - E
	Rating (idle/max. rpm)	102 Amps
	Ratio (alt. crank/rev.)	3.15:1
	Output at idle (rpm, park)	48 Amps @ Idle
	Optional (type & rating)	Not Applicable
Regulator	Type	Integral with Alternator

### Electrical - Starting System

Motor	Manufacturer	Delphi - E
	Current drain _____ °C (°F)	350 Amps
	Power rating kw (hp)	1.6 (2.1)
Motor drive	Engagement type	Solenoid Actuated, Positive Engagement
	Pinion engages from (front, rear)	Front

### Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Standard
	Other (specify)	Coil - Near Plug
Coil	Manufacturer	Nippondenso
	Model	5-099700-456
	Current	Engine stopped - A
Engine idling - A		
Spark plug	Manufacturer	Delphi
	Model	41-931
	Thread (mm)	14.0
	Tightening torque N-m (lb. ft.)	9-20 (7-15)
	Gap	1.5 mm
Distributor	Number per cylinder	One
	Manufacturer	Not Applicable
	Model	Not Applicable

### Electrical - Suppression

Locations & type	Internal Generator Capacitor, Non-Metallic High-Tension Cables, Resistor Spark Plugs, Ignition Coil By-Pass Capacitor, Internal AC Blower Motor By-Pass Capacitor & A/C Compression Diode, with Radio Provisions; Fuse Block Capacitor and on "Heater Only" Blower Motors and Coax Capacitor.
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# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description And/Or  
 Engine Code/Description

BASE

Z28

### Steering

Manual (std., opt., n.a.)		Not Available		
Power (std., opt., n.a.)		Standard		
Speed-sensitive (std., opt., n.a.)		Not Available		
4-wheel steering (std., opt., n.a.)		Not Available		
Adjustable steering wheel/column (tilt, telescope, other)	Type	Tilt, Five Position		
	Manufacturer	Delphi Saginaw Strg. System		
	(std., opt., n.a.)	Standard		
Wheel diameter** (W9) SAE J1100	Manual	Not Available		
	Power	375.0 mm (14.8 in.) Rim		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	(A)	
		Curb to curb (l. & r.)	(B)	
	Inside rear	Wall to wall (l. & r.)	(C)	
		Curb to curb (l. & r.)	(D)	
Scrub Radius*		Not Applicable		
Manual	Gear	Type	Not Applicable	
		Manufacturer	Not Applicable	
		Ratios	Gear Overall	Not Applicable Not Applicable
	No. wheel turns (stop to stop)		Not Applicable	
Power	Type (coaxial, elec. hyd., etc.)		Hydraulic	
	Manufacturer		Delphi Saginaw Strg. System	
	Gear	Type	Rack & Pinion	
		Ratios	Gear	Overall
	Pump (drive)		Belt	
	No. wheel turns (stop to stop)		2.67 W/F41 2.28 W/FE2	
Linkage	Type		End Take-Off Rack & Pinion	
	Location (front or rear of wheels, other)		Front	
	Tie rods (one or two)		Two	
Steering axis	Inclination at camber (deg.)		Not Available	
	Bearings (type)	Upper	Ball Stud	
		Lower	Ball Stud	
		Thrust	Not Available	
Steering spindle/knuckle & joint type		Steering Knuckle W/Spherical Joints		

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

\*\* See Page 23.

#### TURNING DIAMETER:

CAMARO

Z28

	LEFT		RIGHT		LEFT		RIGHT
A)	12.14 m (39' 10")	/	12.9 m (42' 5-1/2")	/	12.08 m (39' 7-1/2")	/	12.78 m (41' 11")
B)	11.56 m (37' 11-1/8")	/	12.39 m (40' 7-5/8")	/	11.52 m (37' 9-5/8")	/	12.22 m (40' 1-1/8")
C)	6.77 m (22' 2-1/2")	/	7.67 m (25' 2")	/	6.72 m (22' 1/2")	/	7.43 m (24' 4-1/2")
D)	6.88 m (22' 6-15/16")	/	7.77 m (25' 5-15/16")	/	6.79 m (22' 3-1/2")	/	11.52 m (37' 9-5/8")

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description

ALL

### Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.)  Standard / Optional	First seat	Lap and Shoulder Belt, Standard	Not Applicable	Lap and Shoulder Belt, Standard
		Second seat	Lap and Shoulder Belt, Standard	Not Applicable	Lap and Shoulder Belt, Standard
		Third seat	Not Applicable	Not Applicable	Not Applicable
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt)  Standard / Optional	First seat	Air Bag, Knee Bolster, Standard	Not Applicable	Air Bag, Knee Bolster, Standard
		Second seat	Not Applicable	Not Applicable	Not Applicable
		Third seat	Not Applicable	Not Applicable	Not Applicable
<b>Glass</b>		<b>SAE Ref.No.</b>	<b>Coupe</b>	<b>Convertible</b>	
Windshield glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )		S1	14,182.58 (2,198.30)		
Side glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> ) - total 2 sides		S2	3,150.29 (488.295)		
Backlight glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )		S3	13,936.41 (2,160.15)	2,268 (353.3)	
Total glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )		S4	31,269.28 (4,846.745)	19,600.87 (3,039.895)	
Windshield glass (type/thickness)			Curved - Laminated Plate		
Side glass (type/thickness)			Curved - Tempered Plate		
Backlight glass (type/thickness)			Curved - Tempered Plate		Glass
Tinted (yes/no, location)			No		
Solar control (yes/no, coated/batched, location)			Yes, Batch, Windshield, Door Glass & Rear Hatch Glass		

### Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Halogen, Replaceable Bulb - Four Lamp System
Shape	Rectangular
Lo-beam type (2A1, 2B1, 2C1, etc.)	H4351
Quantity	Two
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	H4352
Quantity	Two

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Code/Description

3.8 LITER V6 L36

### Electrical - Supply System

Battery	Manufacturer	Delphi - E
	Model, std., (opt.)	75-690, Standard, 19000674, Cat # 674
	Voltage	12
	Amps at 0° F. cold crank	690
	Minutes-reserve capacity	90 Min. @ 80° F
	Amps/hrs.-20 hr. rate	54 Amp Hrs.
	Location	Engine Compartment Front Right Corner
Alternator	Manufacturer	Delphi - E
	Rating (idle/max. rpm)	105 Amps
	Ratio (alt. crank/rev.)	2.75 to One
	Output at idle (rpm, park)	42 Amps @ Idle
	Optional (type & rating)	Not Available
Regulator	Type	Integral with Alternator

### Electrical - Starting System

Motor	Manufacturer	Delphi
	Current drain _____ °C (°F)	450 Amps
	Power rating kw (hp)	1.7 (2.3)
Motor drive	Engagement type	Solenoid Actuated, Positive Engagement
	Pinion engages from (front, rear)	Front

### Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Standard	
	Other (specify)	Not Available	
Coil	Manufacturer	Delphi	
	Model	Inductive	
	Current	Engine stopped - A	Not Applicable
		Engine idling - A	Not Applicable
Spark plug	Manufacturer	AC	
	Model	41-921	
	Thread (mm)	14	
	Tightening torque N-m (lb. ft.)	10-20 (7-15)	
	Gap	1.5 mm	
Distributor	Number per cylinder	One	
	Manufacturer	Not Applicable	
	Model	Not Applicable	

### Electrical - Suppression

Locations & type	Alternator - Internal Capacitor Suppression
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# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Code/Description

5.7 LITER V8 LS1

### Climate Control System

Air conditioning (std., opt., man., auto.)		Optional
Condenser	Type	Headered Tube & Center
	Eff. face area (sq. mm.)	246,519 sq. mm
	Fins per inch	8.47
Evaporator	Type	Tube - Plate & Fin
	Eff. face area (sq. mm.)	46,141.9
	Fins per inch	14
Heater core	Material	Aluminum
	Eff. face area (sq. mm.)	30,864.7 sq. mm
	Fins per inch	38
Compressor	Type	HD 7 Cylinder Variable Displacement
	Displacement (cc.)	10.9
	Manufacturer	Delphi Harrison Thermal Systems
	A/C pulley ratio	Base
Accumulator	Type	Aluminum
	Height (mm.)	205.8 mm
	Diameter (mm.)	92.8 mm
Receiver	Type	Not Available
	Height (mm.)	Not Available
	Diameter (mm.)	Not Available
Refrigerant control (CCOT, TVS, etc.)		V7/OT
Heater water valve (yes / no)		No
Refrigerant (R - 12, R - 134a, etc.)		R134A
Charge level (lbs. - oz.)		1.50 lbs.
Cold engine lockout switch (yes / no)		No
Wide open throttle cutout switch (yes / no)		Yes

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued Revised (●)

## METRIC (U.S. Customary)

Model Code/Description

ALL

### Body

Structure	Full Unitized Steel Construction with Composite Closures, Fenders and Roof Outer Skin. Cowl, Roof Substructure, Underbody and Body Side Frame Welded to Form Body Shell. Doors, Roof Substructure, Hood and Latch Lid Double Panel Construction.
Bumper system front - rear	Body Color Soft Fascia. Front Foam Energy Absorber with Heavy Gauge Reinforcement. Rear Honeycomb Energy Absorber with Composite Reinforcement.
Anti-corrosion treatment	Plastic Composite Panels, Two Sided Galvanized Metals and ELPO Coverage

### Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		Waterborne Base Coat/Clear Coat
Hood	Material & mass	Steel
	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Gas Strut Assist
	Release control (internal, external)	Internal
Trunk lid	Material & mass	Not Applicable
	Type (counterbalance, other)	Not Applicable
	Internal release control (elec., mech., n.a.)	Not Applicable
Hatchback lid	Material & mass	Glass/Sheet Molding Compound (SMC)
	Type (counterbalance, other)	Dual Gas Struts
	Internal release control (elec., mech., n.a.)	Electric Release Optional
Tailgate	Material & mass	Not Applicable
	Type (drop, lift, door)	Not Applicable
	Internal release control (elec., mech., n.a.)	Not Applicable
Vent window control (crank, friction, pivot, power)	Front	Not Available
	Rear	Not Applicable
Window regulator type (cable, tape, flex drive, etc.)	Front	Sector Drive
	Rear	Not Applicable
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket Molded Foam Pad
	Rear	Bucket Molded Foam Pad
	3rd seat	--
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Reclining Bucket Molded Foam Pad
	Rear	Folding Bench, Mechanical Foam Pad
	3rd seat	--

### Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Full Integral Body Frame, with Bolted-on Front Suspension Crossmember.
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# MVMA Specifications

Vehicle Line CAMARO

Model Year 1998

issued

Revised (●)

## METRIC (U.S. Customary)

Model Code/Description

ALL

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

Power equipment	Deck lid (release, pull down)		Electric Hatch Release - Optional. Power Pull- Down Not Available
	Door locks (manual, automatic, describe system)		Manual - Standard Electric - Optional: Includes Retained Accessory Power (RAP)
	Seats	2 - 4 - 6 way, etc.	Optional Six-Way Power Driver's Seat
		Reclining (R.H., L.H.)	Not Available
		Memory (R.H.,L.H., preset recline)	Not Available
		Support (lumbar, hip, thigh, etc.)	Not Available
		Heated (R.H., L.H., other)	Not Available
	Side windows		Optional - Retained Accessory Power (RAP) is Inc. W/Power Locks
	Vent windows		Not Available
Rear windows		Not Available	
Radio systems	Antenna (location, whip, w/shield, power)		Optional - Power, Right Rear Fender Standard - Right Rear Fender Fixed Mast w/Radio
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM/FM Stereo Cassette W/Seek, Scan, Auto Reverse, Music Search, Digital Clock & ETR
	Optional		AM/FM Stereo Auto-Tone Cassette Radio w/dual directional seek, auto reverse, music search, digital clock, ETR and Dolby B & Speed compensated volume controls. AM/FM Stereo Auto-Tone Compact Disc Radio, Pre-set scan, dual directional seek, random, digital clock, ETR, Balance control, with speed compensated volume control.
	Speaker (number, location)		Standard (4) Speaker System - (2) Door MTD & (2) RR Quarter - Coupe Up-Level/Sound System, Eight channel amplifier with six high performance speakers: Dual Door Mounted, Dual Sail Panel & Dual hatch trim speakers. Standard - (2) Door MTD & (2) RR QTR - Convertible.
Roof: open air or fixed (flip-up, sliding, "T")			"T" Type Hatch Roof W/Removeable Glass Panels - Optional
Speed control device			Cruise Control with Resume Speed. Optional
Speed warning device (light, buzzer, etc.)			Not Available
Tachometer (rpm)			Standard
Telephone system (describe)			Not Available
Theft deterrent system			Lock Mounted on Steering Column; Locked Steering Wheel, Transmission, Shift Lever and Ignition. Electronic System (PASS-KEY II) Standard. Retained Accessory Power (RAP) Standard on all vehicles
			Universal Theft Deterrent System Standard on Chevrolet W/Remote Keyless Entry

### Trailer Towing

Towing capable	Yes / No	Yes
Engine / transmission / axle	Std. / Opt.	Standard
Tow class (I, II, III)*	Std. / Opt.	Light
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.

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Engine Code/Description

3.8 LITER V6 L36

### Climate Control System

Air conditioning (std., opt., man., auto.)		Optional
Condenser	Type	Headered Tube & Center
	Eff. face area (sq. mm.)	246,519 sq. mm
	Fins per inch	8.47
Evaporator	Type	Tube - Plate & Fin
	Eff. face area (sq. mm.)	46,141.9
	Fins per inch	14
Heater core	Material	Aluminum
	Eff. face area (sq. mm.)	30,864.7 sq. mm
	Fins per inch	38
Compressor	Type	HD 5 Cylinder Variable Displacement
	Displacement (cc.)	9.2
	Manufacturer	Delphi Harrison Thermal Systems
	A/C pulley ratio	Base 1.47:1
Accumulator	Type	Not Available
	Height (mm.)	205.8 mm
	Diameter (mm.)	92.8 mm
Receiver	Type	Not Available
	Height (mm.)	Not Available
	Diameter (mm.)	Not Available
Refrigerant control (CCOT, TVS, etc.)		V5/OT
Heater water valve (yes / no)		No
Refrigerant (R - 12, R - 134a, etc.)		R134A
Charge level (lbs. - oz.)		1.50 lbs.
Cold engine lockout switch (yes / no)		No
Wide open throttle cutout switch (yes / no)		Yes

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued            Revised (●)           

## METRIC (U.S. Customary)

### Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description	SAE Ref. No.	COUPE	CONVERTIBLE
------------------------	--------------	-------	-------------

#### Front Compartment

SgRP front, "X" coordinate	L31	3050 (124.0)	
Effective head room	H61	944 (37.2)	965 (38.0)
Max. effective leg room (accelerator)	L34	1092 (43.0)	
SgRP to heel point	H30	181 (7.1)	
SgRP to heel point	L53	910 (35.8)	
Back angle (degrees)	L40	26.5	
Hip angle (degrees)	L42	98.0	
Knee angle (degrees)	L44	132.7	
Foot angle (degrees)	L46	87.0	
Design H-point front travel	L17	198 (7.8)	
Normal driving & riding seat track trvl.	L23	178 (7.0)	
Shoulder room	W3	1458 (57.4)	
Hip room	W5	1340 (52.8)	
*** Upper body opening to ground	H50	1260 (49.6)	
Steering wheel maximum diameter*	W9	375 (14.8)	
Steering wheel angle (degrees)	H18	17.3	
Accel. heel pt. to steer. whl. cntr.	L11	548.4 (21.6)	
Accel. heel pt. to steer. whl. cntr.	H17	Not Available	
Undepressed floor covering thickness	H67	27 (1.1)	

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	638 (25.1)	
Effective head room	H63	896 (35.3)	990 (39.0)
Min. effective leg room	L51	681 (26.8)	
SgRP (second to heel)	H31	201 (7.9)	
Knee clearance	L48	-76 (-3.0)	
Shoulder room	W4	1417 (55.8)	1104 (43.5)
Hip room	W6	1129 (44.4)	1110 (43.7)
*** Upper body opening to ground	H51	--	
Back angle (degrees)	L41	28.0	19.0
Hip angle (degrees)	L43	71.0	61.5
Knee angle (degrees)	L45	67.1	
Foot angle (degrees)	L47	115.2	
Depressed floor covering thickness	H73	18 (0.7)	

#### Luggage Compartment

*** Usable luggage capacity L (cu. ft.)	V1	--	
*** Litter height	H195	892 (35.1)	

#### Interior Volumes (EPA Classification)

Vehicle class	Sub-Compact	
Interior volume index including trunk/cargo (cu. ft.)**	94.8 (53.1 Frt. + 28.8 Rr. + 12.9 Cargo)	88.2 (54.3 Frt. + 26.3 Rr. + 7.6 Cargo)
Trunk/cargo index (cu. ft.)	V13	12.9

\* See page 14.

\*\* See definition page 33.

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

\*\*\* EPA Loaded Vehicle Weight, Loading Conditions

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/Description

ALL

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

	Clock (digital, analog)	Digital, In Radio
	Compass / thermometer	Not Available
	Console (floor, overhead)	Full Lenth Frt. Console, Std. Floor Integral with I.P., Overhead Not Avail.
	Defroster, electric windshield	Not Applicable
	Defroster, electric backlight	Electric - Optional; Std. on Convertible
Electronic	Diagnostic monitor (integrated, individual)	Not Available
	Instrument cluster (list instruments)	Tachometer, Speedometer, Trip Opdometer, Fuel, Oil Pressure, Temp Volt, Seat Belt Warning, Engine Warning, Inflatable Restraint Warning
	Remote Keyless entry (FOB)	Optional
	Tripminder (avg. spd., fuel)	Not Available
	Voice alert (list items)	Not Available
	Other Warning Lamps	Check Gauges, Low Oil, ABS/Brake, Bright Headlamps, Air Bag, Low Coolant (V8's only), Low Trac, Security, Service Engine Soon, Seat Belt, Skip Shift (Manual V8's Only), ASR (Traction Control Option - V8's Only)
	Fuel door lock (remote, key, electric)	Not Available
Integrated Child Seating	Std./opt. & location in vehicle	Not Available
	Number of occupants	Not Available
	Occupant weight/height (min. & max.)	Not Available
	Restraint system description (3 or 5-point belts/booster seat capability)	Not Available
Lamps	Auto head on/off delay, dimming	Not Available
	Cornering	Not Available
	Courtesy (map, reading)	Dual Lighted Mirror, Standard; Includes Switch
	Door lock, ignition	Not Available
	Engine compartment	Not Available
	Fog	Optional
	Glove compartment	Standard
	Trunk	Standard on Convertible
	Illuminated entry system (list lamps, activation)	Courtesy (Reading ) Lamp, Coupe Rear Seat Courtesy Lamps & Courtesy (Reading ) Lamp, Convertible Optional Remote Lock Control w/Illuminated Entry Features
	Other	Flood Lighted Interior Door Switches
Mirrors	Dome - Courtesy	Standard - Illuminates Rear Compartment, Coupe Only
	Day / night (auto., man.)	Standard - Manual
	L.H. (remote, power, heated)	Remote Standard, Power Optional - Not Heated
	R.H. (convex, remote, power, heated)	Manual Standard, Power Optional. Both Convex - Not Heated
	Visor vanity (RH / LH, illuminated)	Covered LH & RH, Standard (Non-Illuminated)
	Navigation system (describe)	Not Available
	Parking brake-auto release (warning light)	Hand Release, Warning Light Standard

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

Model Code/ Description	ALL
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### Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location	
Front	X - Fiducial mark to vertical zero grid line - front measured horizontally, from the zero grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt. Y - Fiducial mark to centerline of car - front, width measurement made from centerline car to fiducial mark located on top of the front seat adjuster mounting bolt. Z - Fiducial mark to horizontal zero grid line - front, measured vertically from zero grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.	
Rear	X - Fiducial mark to vertical zero grid line - rear, measured horizontally from the zero grid line to rear fiducial mark located on the rail (compartment pan - longitudinal.) Y - Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on the rail (compartment pan - longitudinal.) Z - Fiducial mark to horizontal zero grid line - rear, measured vertically from the zero grid line to rear fiducial mark located on the rail (compartment pan - longitudinal.)	
NOTE: Provide 3 of 4 Fiducial Mark Locations		
Front	W21**	540 (21.3)
	L54**	2688 (105.8)*
	H81**	468 (18.4)#
	H161**	300 (11.8)
	H163**	284 (11.2)
Rear	W22**	548 (21.6)
	L55**	4815 (189.6)*
	H82**	596 (23.5)#
	H162**	435 (17.1)
	H164**	416 (16.4)
		* Vertical Base Grid 2000 mm Line # Horizontal Base Grid 500 mm Line

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

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998      Issued      Revised (●)

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

See Key Sheets for definitions

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

Model Code/Description	SAE Ref. No.	COUPE		CONVERTIBLE	
<b>Width</b>					
Tread (front)	W101	1542 (60.7)			TBD
Tread (rear)	W102	1540 (60.6)			TBD
Vehicle width	W103	1881 (74.1)			TBD
Body width at SgRP (front)	W117	1855 (73.0)			TBD
Vehicle width (front doors open)	W120	4195 (165.2)			TBD
Vehicle width (rear doors open)	W121	--			TBD
Tumble-home (degrees)	W122	32.0			TBD
Outside mirror width	W410	1995 (78.5)			TBD

### Length

Wheelbase	L101	2566 (101.1)
Vehicle length	L103	4914 (193.5)
Overhang (front)	L104	1156 (45.5)
Overhang (rear)	L105	1192 (46.9)
Upper structure length	L123	2993 (117.8)
Rear Wheel CL "X" coordinate	L127	4138 (163.0)

### Height \*\*

Passenger distribution (front/rear)	PD1, 2,3	Two/Two
Trunk/cargo load		**
Vehicle height	H101	1303 (51.3)      1321 (52.0)
Cowl point to ground	H114	901 (35.5)
Deck point to ground	H138	Not Available
Rocker panel-front to ground	H112	172 (6.8)
Rocker panel-rear to ground	H111	181 (7.1)
Windshield slope angle (degrees)	H122	68.0
Backlight slope angle (degrees)	H121	73.5

### Ground Clearance \*\*

Air Dam	H102	122.6 (4.8)
Front bumper to ground at curb	H102	237 (9.3)
Rear bumper to ground	H104	348 (13.7)
Bumper to ground front at curb mass (wt.)	H103	251 (9.9)
Bumper to ground rear at curb mass (wt.)	H105	371 (14.6)
Angle of approach (degrees)	H106	13.2
Angle of departure (degrees)	H107	12.0
Ramp breakover angle (degrees)	H147	5.2
Axle differential to ground (front/rear)	H153	154 (6.1)
Min. running ground clearance	H156	111.6 (4.0)
Location of min. running ground clear.		Converter Shield, V8; Suspension Bolt, V6

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

All linear dimensions are in millimeters (inches).



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

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

<b>Optional Equipment Differential Mass (weight)*</b>					
Code	Equipment	MASS. kg. (lb.)			Remarks Restrictions. Requirements
		Front	Rear	Total	
AG1	Power Seat - 6-Way (Driver's Seat Only)	1.0 (2.2)	1.0 (2.2)	2.0 (4.4)	
AN4	Child Restraint Provision	0.0 (0.0)	0.4 (0.9)	0.4 (0.9)	
AU3	Power Door Locks - Electric	0.4 (0.9)	0.4 (0.9)	0.8 (1.8)	
A31	Power Windows - Electric	1.2 (2.6)	0.6 (1.3)	1.8 (3.9)	
B35	Rear Floor Mats	0.0 (0.0)	0.6 (1.3)	0.6 (1.3)	
B84	Moldings - Body Side	0.4 (0.9)	0.4 (0.9)	0.8 (1.8)	
CC1	Roof - Removable Hatch Panels - Glass	3.8 (8.4)	3.8 (8.4)	7.6 (16.8)	IFP87
C49	Defogger - Rear Window (Electric)	0.0 (0.0)	0.2 (0.4)	0.2 (0.4)	IFP87
DE4	Sunshades - Removeable for Hatch Roof	0.2 (0.4)	0.4 (0.9)	0.6 (1.3)	IFP87
DG7	Sport Mirrors - Electric, Remote Control RH & LH Controls on LH Door Panel	0.4 (0.9)	0.0 (0.0)	0.4 (0.9)	
FE2	Suspension System Ride & Handling	0.6 (1.3)	0.4 (0.9)	1.0 (2.2)	
FE4	Suspension System Ride & Handling	1.2 (2.6)	0.6 (1.3)	1.8 (3.9)	
FE7	Suspension System Ride & Handling	1.4 (3.0)	0.8 (1.8)	2.2 (4.8)	
GU2	Rear Axle (2.73 Ratio)	0.0 (0.0)	-5.8 (-12.8)	-5.8 (-12.8)	
GU4	Rear Axle (3.08 Ratio)	0.0 (0.0)	0.6 (1.3)	0.6 (1.3)	
GU5	Rear Axle (3.23 Ratio)	0.0 (0.0)	-6.2 (-13.6)	-6.2 (-13.6)	
GU6	Rear Axle (3.42 Ratio)	0.0 (0.0)	-6.0 (-13.2)	-6.0 (-13.2)	

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

# MVMA Specifications

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

## METRIC (U.S. Customary)

### Vehicle Dimensions

See Key Sheets for definitions

Model Code/Description

ALL

#### 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	H198	
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

Cargo length at front seatback height	L208	990 (39.0)	833
Cargo length at floor (front)	L209	1618 (63.7)	
Cargo length at second seatback height	L210	824 (32.4)	
Cargo length at floor (second)	L211	908 (35.7)	
Front seatback to load floor height	H197	341 (13.4)	
Second seatback to load floor height	H198	211 (8.3)	
Cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V3	930 L. (32.8 cu. ft.)	
Hidden cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V4	--	
Cargo volume index - rear of 2-seat	V11	366 L. (12.9 cu. ft.)	

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

\* MPV - Multipurpose Vehicle

\*\* EPA Loaded Vehicle Weight, Loading Conditions



# MVMA Specifications

## METRIC (U.S. Customary)

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ 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
CAMARO (1FP87)		850	662	1512	1476	V	43	57	16	84
	2-Door Coupe (L36 & M49)	(1874)	(1459)	(3333)	(3254)					
CAMARO (1FP87)		863	674	1537	1501	W	43	57	16	84
	2-Door Coupe (L36 & M30)	(1903)	(1486)	(3388)	(3309)					
CAMARO (1FP67)		865	702	1567	1531	X	43	57	16	84
	2-Door Convertible (L36 & M49)	(1907)	(1548)	(3455)	(3375)					
CAMARO (1FP67)		878	713	1591	1555	X	43	57	16	84
	2-Door Convertible (L36 & M30)	(1936)	(1572)	(3507)	(3428)					
CAMARO Z28 (1FP87 w/Z28)		887	676	1563	1527	W	43	57	16	84
	2-Door Coupe (LS1 & M30)	(1955)	(1490)	(3446)	(3366)					
CAMARO Z28 (1FP87 w/Z28)		886	671	1557	1521	W	43	57	16	84
	2-Door Coupe (LS1 & MM6)	(1953)	(1479)	(3432)	(3353)					
CAMARO Z28 (1FP67 w/Z28)		902	715	1617	1581	X	43	57	16	84
	2-Door Convertible (LS1 & M30)	(1988)	(1576)	(3565)	(3485)					
CAMARO Z28 (1FP67 w/Z28)		901	710	1611	1575	X	43	57	16	84
	2-Door Convertible (LS1 & MM6)	(1986)	(1565)	(3552)	(3472)					

\* 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.

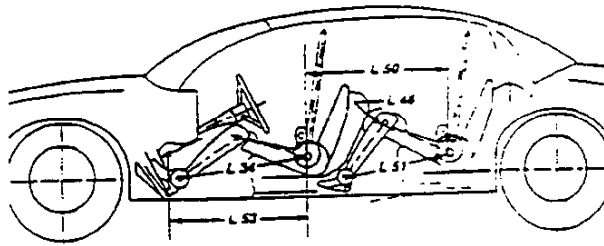
ETWC LEGEND			
A = 1000	I = 2000	Q = 3000	Y = 4000
B = 1125	J = 2125	R = 3125	Z = 4250
C = 1250	K = 2250	S = 3250	AA = 4500
D = 1375	L = 2375	T = 3375	BB = 4750
E = 1500	M = 2500	U = 3500	CC = 5000
F = 1625	N = 2625	V = 3625	DD = 5250
G = 1750	O = 2750	W = 3750	EE = 5500
H = 1875	P = 2875	X = 3875	FF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

\*\*\* Shipping Mass (weight) = Curb Weight Less:  
 \_\_\_\_\_  
 36/80  
 \_\_\_\_\_  
 \_\_\_\_\_

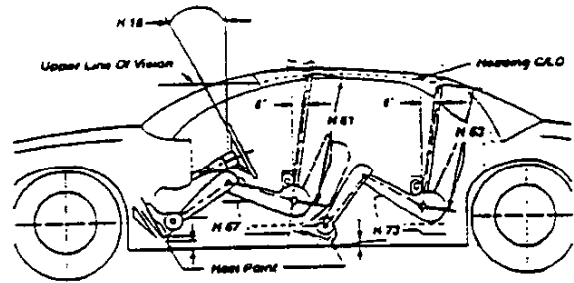
# Specifications METRIC

## Interior Vehicle And Body Dimensions - Key Sheet

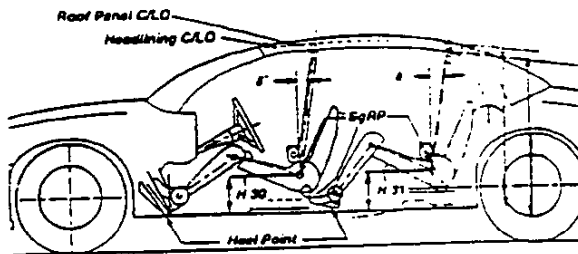
Interior Length Dimensions



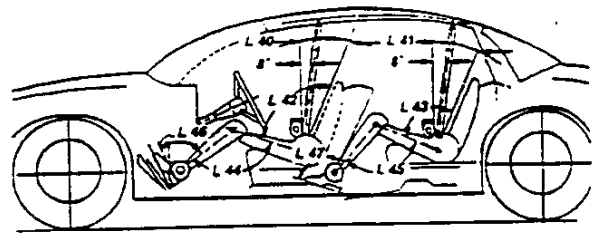
Interior Height Dimensions



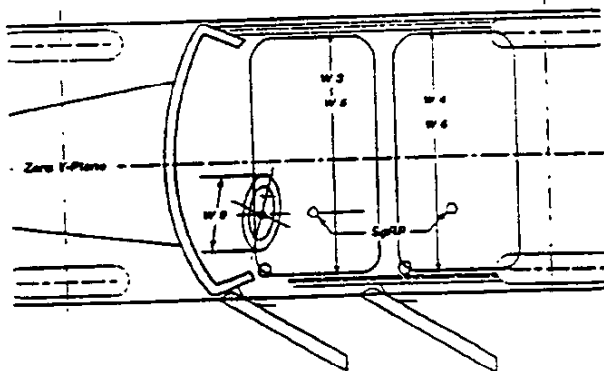
Interior Height Dimensions



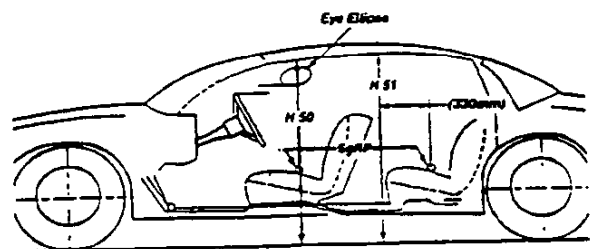
Interior Length Dimensions



Interior Width Dimensions



Interior Height Dimensions



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

Vehicle Line CAMARO  
 Model Year 1998 Issued \_\_\_\_\_ Revised (●) \_\_\_\_\_

		Optional Equipment Differential Mass (weight)*			
Code	Equipment	MASS. kg. (lb.)			Remarks Restrictions. Requirements
		Front	Rear	Total	
IP2	Leather Interior Trim	1.0 (2.2)	1.0 (2.2)	2.0 (4.4)	
K05	Heater - Engine Block	0.4 (0.9)	0.0 (0.0)	0.4 (0.9)	
K34	Cruise Control - Three Mode with Resume Feature	1.8 (3.9)	0.4 (0.9)	2.2 (4.8)	
LS1	5.7 Liter V8 (350 CID)	19.0 (41.9)	0.8 (1.8)	19.8 (43.7)	&MM6
LS1	5.7 Liter V8 (350 CID)	-0.8 (-1.8)	0.0 (0.0)	-0.8 (-1.8)	&M30
MM6	Six-Speed Manual Transmission	12.8 (28.2)	4.4 (9.7)	17.2 (37.9)	
M30	Automatic Transmission (Overdrive)	34.0 (75.0)	10.0 (22.0)	44.0 (97.0)	&LS1
M30	Automatic Transmission (Overdrive)	13.0 (28.7)	4.8 (10.6)	17.8 (39.3)	&L36
NP5	Leather Wrapped Steering Wheel, Shift Knob & Brake Release Handle	0.2 (0.4)	0.0 (0.0)	0.2 (0.4)	
NW9	ASR-Acceleration Slip Regulation	0.8 (1.8)	6.4 (14.1)	7.2 (15.8)	
N73	Wheel Custom Sport. Var 4	-1.2 (-2.6)	-1.2 (-2.6)	-2.4 (-5.2)	
N96	Wheel-16X8 Cast Aluminum	-4.8 (-10.6)	-4.8 (-10.6)	-9.6 (-21.2)	
N98	Wheel - Chrome - Var 2	-3.0 (-6.6)	-3.2 (-7.0)	-6.2 (-13.6)	
QCB	Tires - P235/55R16 B/W	1.8 (3.9)	2.0 (4.4)	3.8 (8.3)	
QFZ	Tires - P245/50ZR16 Traction Tires	2.6 (5.7)	2.6 (5.7)	5.2 (11.4)	
QLC	Tires - P245/50ZR16	2.8 (6.1)	2.8 (6.1)	5.6 (12.3)	
T78	Headlamp Control Delete	-0.2 (-0.4)	0.0 (0.0)	-0.2 (-0.4)	

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

# Specifications

## METRIC

### Exterior Vehicle And Body Dimensions - Key Street 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.
- W140 OUTSIDE MIRROR WIDTH: The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" plane.

#### Length Dimensions

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

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

#### Height Dimensions

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

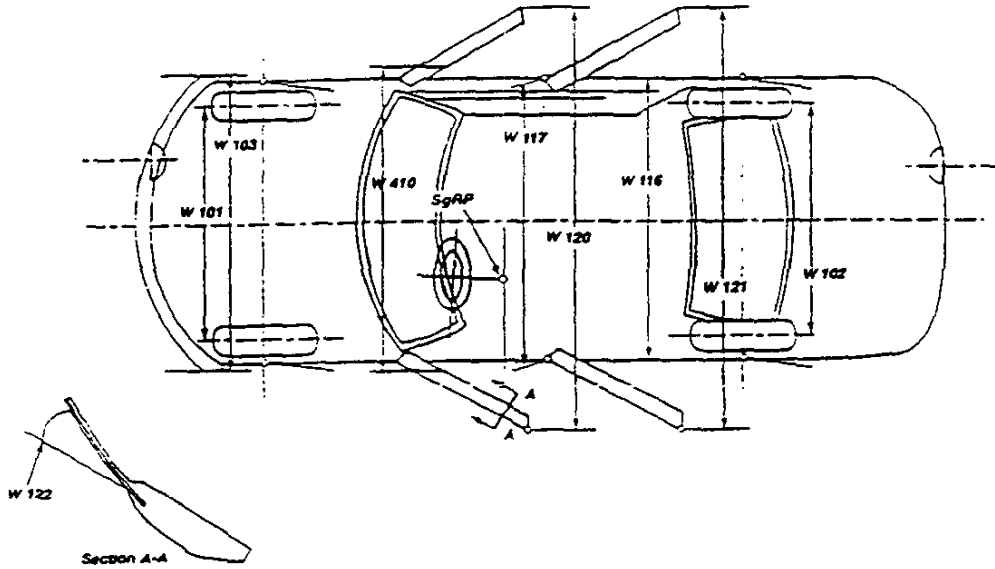
#### Ground Clearance Dimensions

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

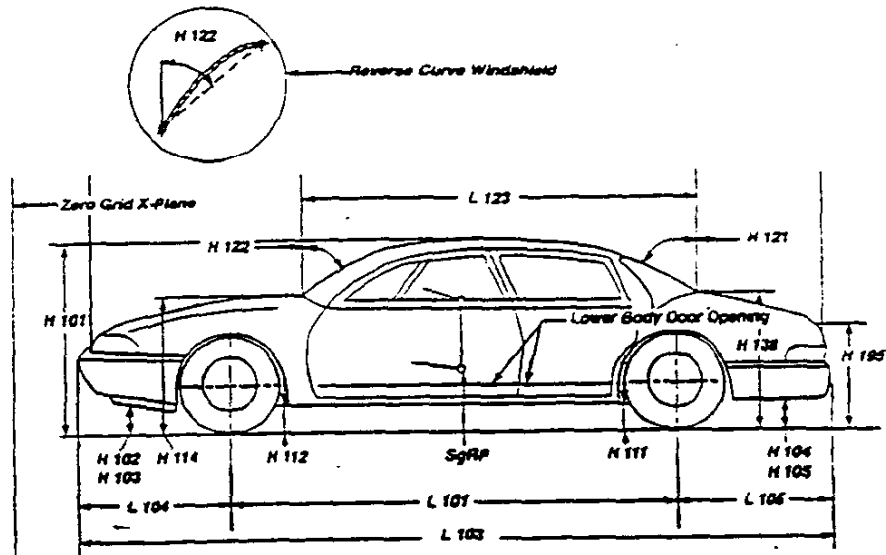
# Specifications METRIC

## Exterior Vehicle And Body Dimensions - Key Sheet

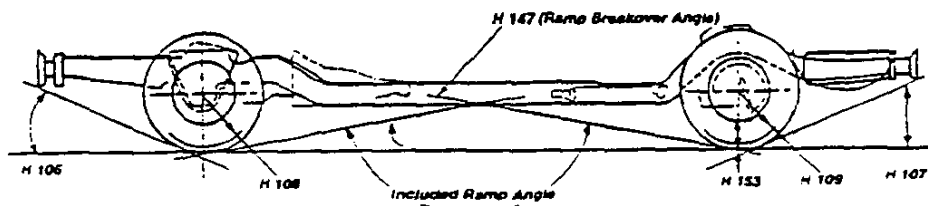
Exterior Width Dimensions



Exterior Length & Height Dimensions



Ground Clearance Dimensions





# Specifications

## METRIC

### Interior Vehicle And Body Dimensions - Key Sheet

#### 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 (2.0 in.). 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 wheelhouses at floor level. For any vehicle not trimmed, measure to the sheet metal.

W203 **REAR OPENING WIDTH AT FLOOR**. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.

W204 **REAR OPENING WIDTH AT BELT**. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.

W205 **REAR OPENING WIDTH ABOVE BELT**. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.

W500 **CARGO WIDTH AT FLOOR**. The maximum dimension measured laterally between the limiting interferences at the floor level. This dimension shall include ribs and pillars, but will exclude wheelhouses.

H197 **FRONT SEATBACK TO LOAD FLOOR HEIGHT**. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.

H201 **CARGO HEIGHT**. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinate on the zero "Y" plane.

H202 **REAR OPENING HEIGHT**. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.

H250 **TAILGATE TO GROUND CURB MASS (WT.)** The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

H505 **MAXIMUM CARGO HEIGHT**. The maximum vertical dimension rear of the front seat from the cargo floor to roof bow or headlining at the zero "Y" plane.

# Specifications

## METRIC

### Interior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

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

#### Hatchback - Cargo Space Dimensions

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

# Specifications

## METRIC

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