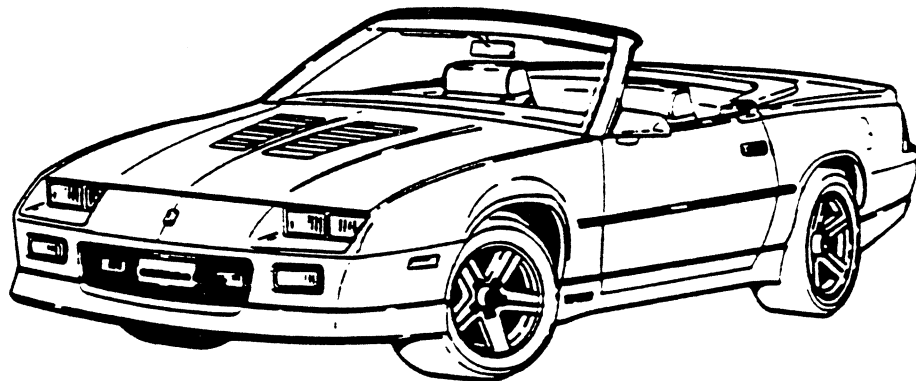


# CAMARO

**1989  
SPECIFICATIONS**



**THE HEARTBEAT OF AMERICA. TODAY'S CHEVROLET.**

1 = U.S. BUILT  
2 = CANADIAN BUILT  
J = JAPAN BUILT  
U = KOREAN BUILT  
1 = MEXICO BUILT

6 = GENERAL MOTORS  
6 = SAZURE  
8 = ISUZU  
7 = HONDA  
L = AEW000

ENGINE TYPE  
CHECK BODY  
RESTRAINT CODES  
BODY STYLE  
CARLINE/SERIES

PRODUCTION SEQUENCE NUMBER  
PLANT

8 = 1988 MODEL YEAR

CARLINE SERIES	
CHRYSLER	CHRYSLER
4A	CELEBRITY
4A	CAPRICE
4A	CAPRICE CLASSIC
4A	CAPRICE BROMHAM
7A	CHARGER SPORT
	COUPE AND COU
4C	CARLER
4C	CARLER 224 AND
	CONVERTIBLE
L7	CORICA
L7	BEETHA
U7	BEETHA GT
U7	CORICALZ
4A	GEO METRO LS
	(SPORT CT)
4A	GEO METRO
4A	SPRINT
4A	GEO SPECTRUM COUPE
4A	GEO SPECTRUM SEDAN
4A	GEO PRIMO
7A	CONQUITE
7A	CONQUITE 7/1
CHRYSLER	CHRYSLER
4A	30 HEDENCY
4A	FORWARDHO THROED
4A	FORWARDHO
4A	DELLA 30 HEDALE
4A	DELLA 30 HEDALE
	BROMHAM
4A	CUTLASS CRUIS 5
4A	CUTLASS CRUIS
	INTERCONTO, SERIES
4A	CUTLASS CRUIS
4A	CUTLASS CRUIS 3L
4A	CUTLASS SUPREME
4A	CUTLASS SUPREME
	INTERCONTO, SERIES
4A	CUTLASS SUPREME 3L
CHRYSLER	CHRYSLER
4A	CELEBRITY CUSTOM
4A	CELEBRITY LIMITED AND
	ESTRIDE BRONCO
4A	LE SABRE ESTRIDE
	BRONCO

**U.S. CUSTOMS TERRITORIES  
AND OF CANADA**

4. ENGINE TYPE					
CYL.	DISP.	CYL.	CYL.	CRANK SHAFT	POWER HP
A	2.3	L4	F1	2.3	U
E	3.8	V6	F1	2.3.8	U
B	2.3	L4	F1	2.3.8	U
E	5.0	V6	F1	1.2	UC
F	5.0	V6	F1	1.2	U
J	5.7	V6	F1	1	U
E	2.8	L4	F1	2.7	B
E	2.8	L4	F1	2.7	B
B	3.3	V6	F1	3.4	U
B	2.5	L4	F1	1.2.3.4	U
S	2.8	V6	F1	1.2	B
T	3.1	V6	F1	2.3.8	W.C.
V	2.5	L4	F1	2.3.8	U
V	3.1	V6	F1	2	U
W	2.8	V6	F1	1.2.1.8.7	UCB
V	5.0	V6	4	1.2.3.8.6	U
Z	6.3	V6	F1	1	U
1	2.8	L4	F1	1.6.7	U
2	1.8	L3	F1	7	I
3	4.5	V6	F1	6	U
5	1.6	L4	F1	1	I
6	1.6	L4	F1	2.7	A
8	1.9	L3	F1	1.7	I
8	1.6	L4	F1	1	I
7	1.5	L4	2	1.7	I
7	3.8	V6	F1	2	U
7	5.7	V6	F1	1	UC
8	5.7	V6	F1	1.2	U
8	4.5	V6	F1	6	U
8	5.0	V6	4	6	U

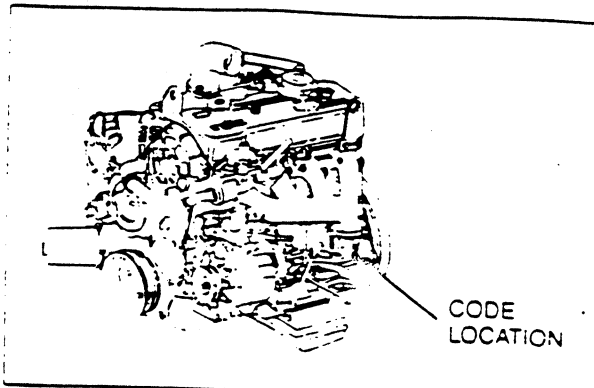
U	U.S.	4	ROSA
C	CANADA	1	JOHN
M	MEXICO	8	JOHN

[illegible]

The information shown is correct as far as printing, the day of changing dates must be

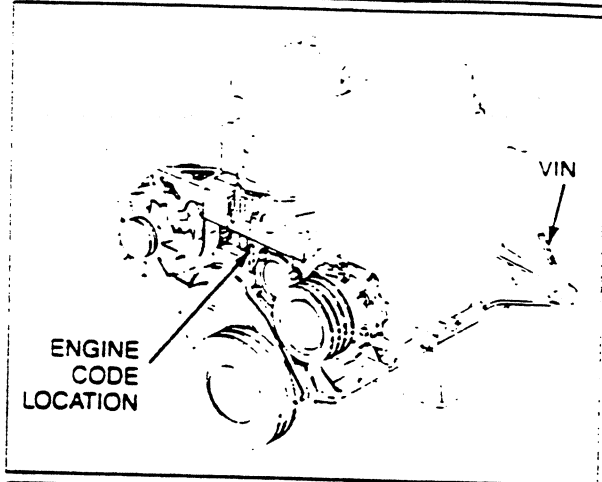
### 1.8 AND 2.2 LITER DIESEL L-4 — ISUZU

The code is stamped on a vertical pad at the left rear of the cylinder case at the bottom.



### 2.5 LITER GASOLINE L-4 — PONTIAC

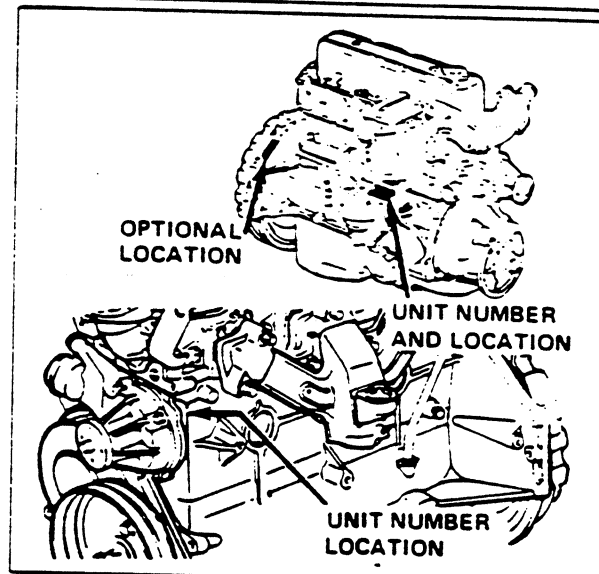
Since 1981, the code is on a sticker, placed on the timing gear cover. It is also stamped on the cylinder case, by the water pump, just below the head.



Pre-1981 engines have the code stamped on the right side of the cylinder case, on a pad, rearward of the distributor.

OR

at the forward end of the cylinder case, by the water pump.

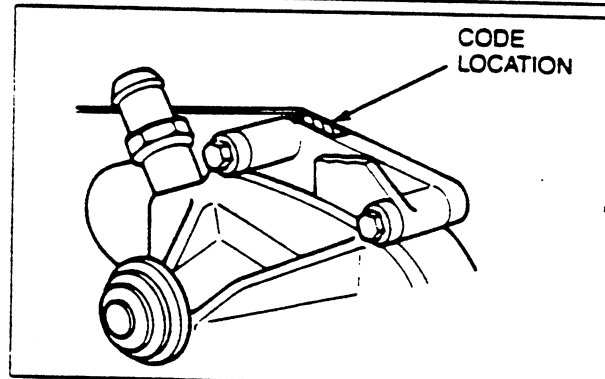


### 2.8 LITER GASOLINE 60° V-6 — CHEVROLET

The code is stamped on a horizontal machined surface on the cylinder case just forward of the intake manifold.

OR

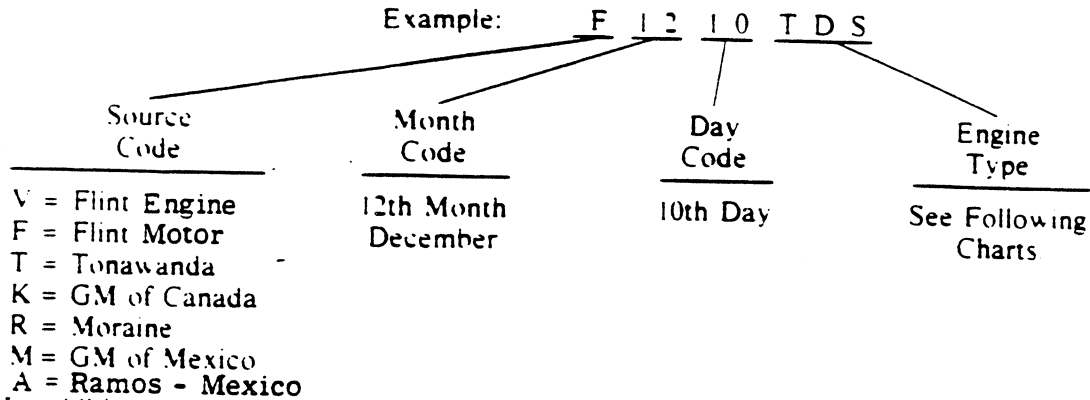
on a machined horizontal pad on the right forward side of the cylinder case just below the cylinder deck.



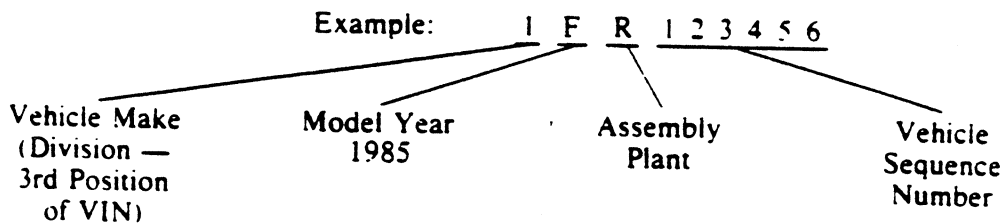
# ENGINE ASSEMBLY IDENTIFICATION<sup>2</sup>

## CHEVROLET ENGINE PRODUCTION CODE

Chevrolet produced engines are stamped with a source, production date and engine suffix. Other General Motors produced engines used in Chevrolet vehicles will use a label affixed to the engine assembly. A complete list of all alphabetic codes used, regardless of manufacturer, appear in the following pages.



In addition, all engines have a portion of the vehicle identification number stamped near the engine production code. This consists of the division code, model year, assembly plant and vehicle build sequence number.



\*NOTE: Pre 1980 production used numerical characters (last digit of model year) to identify model year. 1980 started the progressive use of alphabetic characters.

### (1) DIVISION

#### (PRIOR TO 1979)

- 1 — Chevrolet
- 2 — Pontiac
- 3 — Oldsmobile
- 4 — Buick
- 5 — GMC Truck
- 6 — Cadillac
- 7 — GM of Canada

#### Since 1979

- 1 — Chevrolet
- 2 — Pontiac
- 3 — Oldsmobile
- 4 — Buick
- 5 — GM Overseas
- 6 — Cadillac
- 7 — GM of Canada
- 8 —
- 9 — GM Overseas
- C — Chev. Truck
- T — GMC Truck

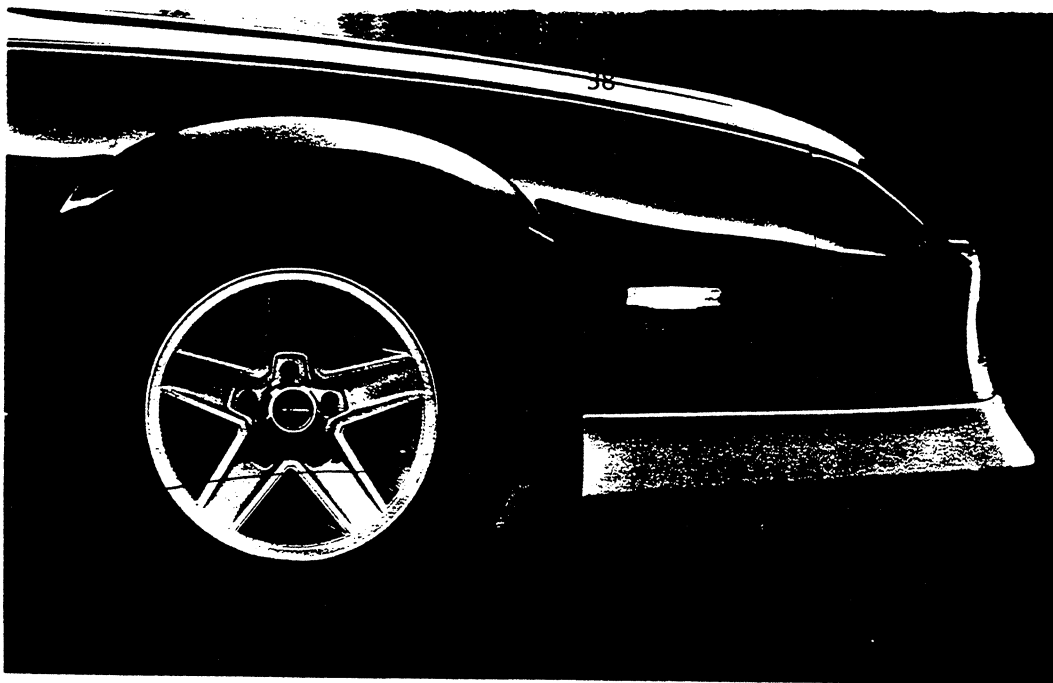
### (3) PLANT

- A — Lakewood
- B — Baltimore
- C — Lansing (B)
- D — Doraville
- E — Linden
- F — Flint (Chev.)
- G — Framingham
- H — Flint (Buick)
- J — Janesville
- K — Kosai
- K — Leeds
- L — Van Nuys
- M — Lansing
- N — Norwood
- P — Pontiac (Pont.)

#### Q — Detroit (Not used in 1980)

- R — Arlington
- S — St. Louis
- S — Ramos Arizpe
- T — Tarrytown
- U — Hamtramck
- V — Pontiac (GMC)
- W — Willow Run
- X — Fairfax
- Y — Wilmington
- Z — Fremont
- 1 — Wentzville
- 1 — Oshawa #2
- 2 — Moraine (T&B)
- 2 — St. Therese
- 3 — Detroit (T&B)
- 3 — St. Eustache
- 3 — Kawasaki
- 4 — Orion
- 4 — Scarborough
- 5 — Bowling Green
- 5 — London
- 6 — Oklahoma City
- 7 — Lordstown
- 8 — Shreveport
- 8 — Fujisawa, Japan (Luv)
- 9 — Detroit (Cad.)
- 9 — Oshawa = 1
- 0 — GM Truck Pontiac





*Camaro*

**'89 CAMARO.  
SOME THINGS ARE RIGHT WITH THE WORLD  
—CAMARO FOR ONE.**

**HIGHLIGHTS**

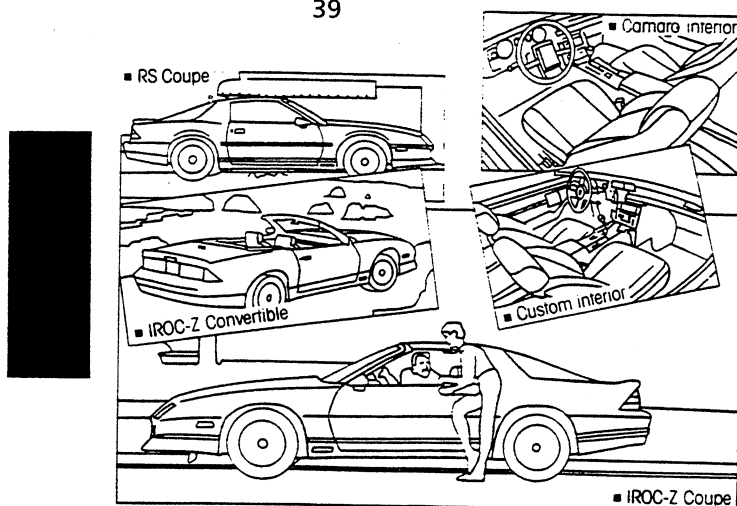
- Camaro's aggressive styling commands respect
- Individual driver preference and needs are met with Camaro's multiple power team options
- Fun to drive with cockpit-style front seating areas, power front disc/rear drum brakes, power steering, tuned suspension standard
- All Camaro engines feature electronic fuel injection systems
- Full instrumentation including tachometer and trip odometer.

**NEW FOR '89**

- RS Coupe and Convertible models combine IROC-Z's street-wise look with base power teams
- PASS-Key™ theft-deterrent ignition system
- Steel-belted radial 15" tires and (specific) five-spoke aluminum wheels standard all models
- 3-point rear outer-position lap-shoulder safety belts
- Delco digital compact disc player optional.

MODEL FEATURES • MODELS • INSTRUMENT PANEL FEATURES

*Camaro*



## MODEL FEATURE HIGHLIGHTS

### **CAMARO RS 2-DOOR COUPE**

- Base-coat/clear-coat paint system
- Black grille
- Body-color fascias and aero panels
- Rear spoiler
- Five spoke 15" cast aluminum wheels
- 15" all-season steel-belted Touring tires
- Full instrumentation with tachometer and trip odometer
- Cockpit-style front seating area with reclining cloth bucket seats and full floor console
- AM/FM stereo radio with Seek and Scan and digital clock.

### **CAMARO RS 2-DOOR CONVERTIBLE**

Features in addition to or replacing RS Coupe equipment include:

- Black folding convertible top
- Solid top storage well cover
- Separate deck lid with release in license pocket

- Specific rear spoiler
- Auxiliary lighting.

### **CAMARO IROC-Z 2-DOOR COUPE**

Features in addition to or upgraded from RS Coupe equipment include:

- Dual fog lamps and CAMARO lettering on black plate in grille opening
- Black simulated louvers on hood
- Black-painted headlamp openings
- IROC-Z aero panel badges
- IROC-Z door decals and lower body striping\*
- Specific 15" aluminum wheels
- 15" Eagle GT steel-belted radial tires
- Ride and handling suspension
- Leather-wrapped steering wheel.

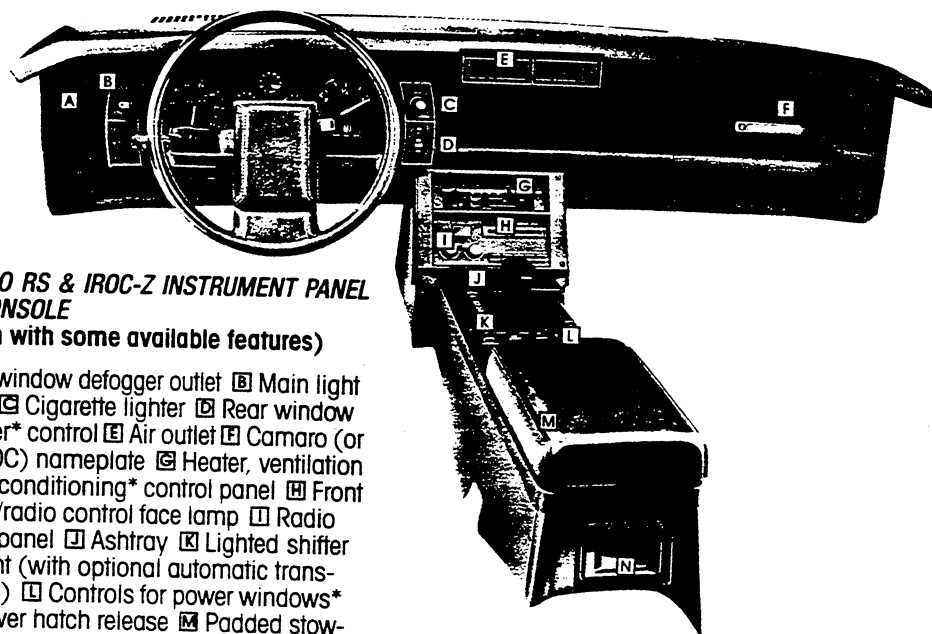
\*May be deleted by specifying RPO DX3 Stripe and Decal Delete.

### **CAMARO IROC-Z 2-DOOR CONVERTIBLE**

(See Camaro RS 2-Door Convertible features for additions/upgrades to IROC-Z Coupe equipment.

## INSTRUMENT PANEL FEATURES

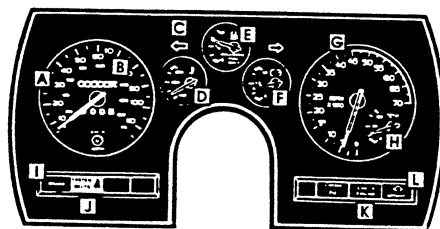
*Camaro*



### CAMARO RS & IROC-Z INSTRUMENT PANEL and CONSOLE (Shown with some available features)

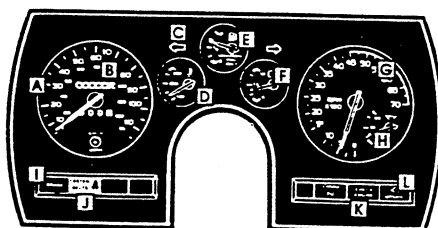
☐ Side window defogger outlet ☐ Main light switch ☐ Cigarette lighter ☐ Rear window defogger\* control ☐ Air outlet ☐ Camaro (or Z28 IROC) nameplate ☐ Heater, ventilation and air conditioning\* control panel ☐ Front ashtray/radio control face lamp ☐ Radio control panel ☐ Ashtray ☐ Lighted shifter quadrant (with optional automatic transmission) ☐ Controls for power windows\* and power hatch release ☐ Padded stowage compartment cover ☐ Rear seat ashtray.

\*Optional.



### RS & IROC-Z STANDARD INSTRUMENTATION

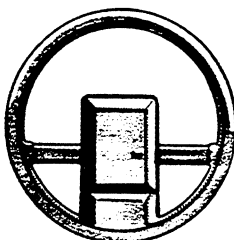
☐ 115-MPH speedometer with trip odometer ☐ Bright lights indicator light ☐ Turn signal indicators ☐ Temperature gage ☐ Fuel gage ☐ Volt gage ☐ Tachometer ☐ Oil Pressure gage ☐ Brake warning light ☐ Fasten belts reminder light ☐ Service-Engine-Soon light ☐ Upshift light (manual transmission only).



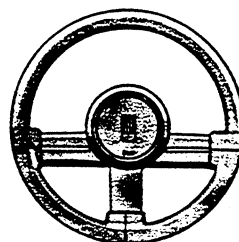
### IROC-Z with OPTIONAL RPO LB9 or L98 V8 INSTRUMENTATION

*→ LB9 MT only*  
☐ 145-MPH speedometer with trip odometer ☐ Bright lights indicator light ☐ Turn signal indicators ☐ Temperature gage ☐ Fuel gage ☐ Volt gage ☐ Tachometer ☐ Oil pressure gage ☐ Brake warning light ☐ Fasten belts reminder light ☐ Service-Engine-Soon light ☐ Upshift light (LB9 with manual transmission only).

## STEERING WHEELS



Standard Camaro black 3-spoke steering wheel.



IROC-Z 3-spoke steering wheel with horn button emblem and leather-wrapped rim.

# OPTION PACKAGES

▲ STANDARD

■ INCLUDED IN OPTION PACKAGE

● INDIVIDUAL OPTION AVAILABILITY

**PACKAGED OPTIONS** (Not available individually unless noted.)

**NOTE:** NOT TO BE USED FOR ORDERING. REFER TO ORDER GUIDE FOR CURRENT USAGE AND AVAILABILITY.

	CAMARO RS COUPE			CAMARO RS CONVERTIBLE			CAMARO IROC-Z COUPE			CAMARO IROC-Z CONVERTIBLE		
	PKG. FCA1	PKG. FCA2	PKG. FCA3	PKG. CCA1	PKG. CCA2	PKG. CCA3	PKG. FZA1	PKG. FZA2	PKG. FZA3	PKG. CZA1	PKG. CZA2	PKG. CZA3
Body Side Moldings	■	■	■	■	■	■	■	■	■	■	■	■
Tinted Glass	■	■	■	■	■	■	■	■	■	■	■	■
Auxiliary Lighting	■	■	■	▲	▲	▲	■	■	■	▲	▲	▲
Heavy-Duty Battery (except with 5.7L V8)	■	■	■	■	■	■	■	■	■	■	■	■
Air Conditioning	●	■	■	●	■	■	●	■	■	●	■	■
Floor Mats, Front/Rear, Color-Keyed Carpeted		■	■		■	■		■	■		■	■
Electronic Speed Control		■	■		■	■		■	■		■	■
Comfortilt Steering Wheel		■	■		■	■		■	■		■	■
Power Windows			■			■			■			■
Intermittent Wiper System		■	■		■	■		■	■		■	■
Power Door Lock System	●	■	■	●	■	■	●	■	■	●	■	■
Rear Compartment Cover			■						■			
Mirror with Dual Reading Lamps			■	▲	▲	▲			■	▲	▲	▲
Halogen High- & Low-Beam Headlamps			■			■			■			■
Power Hatch Release	●	●	●					■	■			
Twin Remote Electric Sport Mirrors									■			■
Power Seat (Driver's)									■			■
<b>TIRES/WHEELS</b>												
P245/50ZR-16 Black-Lettered Radial Tires							●	●	●	●	●	●
16" Aluminum Wheels							●	●	●	●	●	●
<b>CLIMATE CONTROL</b>												
Electric Rear Defogger	●	●	●				●	●	●			
Engine Block Heater	●	●	●	●	●	●	●	●	●	●	●	●
<b>RADIO EQUIPMENT</b>												
AM/FM Stereo with Seek and Scan, Cassette, Digital Clock and ERS™†	●	■	■	●	■	■	●	■		●	■	
AM Stereo/FM Stereo with Seek and Scan, Graphic Equalizer, Cassette, Digital Clock and ERS*	●	●	●	●	●	●	●	●	■	●	●	■
AM/FM Delco/Bose Music System	●†	●	●				●†	●	●			
Compact Disc Music System with Clock	●	●	●	●	●	●	●	●	●	●	●	●
<b>ADDITIONAL INDIVIDUAL OPTIONS</b>												
Limited Slip Differential	●	●	●	●	●	●	●	●	●	●	●	●
Front License Plate Bracket	●	●	●	●	●	●	●	●	●	●	●	●
Rear Window Louver	●	●	●				●	●	●			
Deluxe Luggage Compartment Trim	●	●	●				●	●	●			
Removable Roof Panels	●	●	●				●	●	●			
Split-Folding Rear Seat-Back (Reqs. Custom Trim)	●	●	●	●	●	●	●	●	●	●	●	●
Performance Axle Ratio							●	●	●			
Power Front & Rear Disc Brakes (Reqs. G92 or B2L)							●	●	●	●	●	●
Engine Oil Cooler (Reqs. G92 or B2L)							●	●	●			
Locking Rear Floor Storage Cover							●**	●**	●**			

\*Extended Range Sound System. †Requires RPO C60 Air Conditioning. \*\*Requires Custom trim. †Receives C-Quam® AM stereo broadcasts. Most AM stereo stations across the country broadcast in C-Quam but some do not. Check with your local stations for compatibility in your area. C-Quam is a registered trademark of the Motorola Company.

## POWER TEAMS

Engine	Ordering Code	Engine Availability				Transmission Availability		Rear-Axle Availability	
		RS		IROC-Z		5-Speed Manual (RPO MM5)	4-Speed Automatic Overdrive	5-Speed Manual (RPO MM5)	4-Speed Automatic Overdrive
		Coupe	Conv.	Coupe	Conv.				
ALL STATES									
2.8 Liter V6 with MFI*	LB8	STD	NA	NA	NA	STD	EC	3.42	3.42
5.0 Liter V8 with EFI†	LO3	EC	STD	STD	STD	STD	EC	3.08	2.73
5.0 Liter V8 with TPI**	LB9	NA	NA	EC	EC	STD	EC	3.08††	2.73
5.7 Liter V8 with TPI**	B2L	NA	NA	EC	NA	NA	EC	NA***	2.77†††

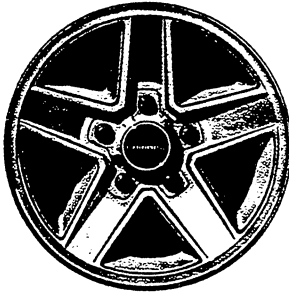
STD—Standard NA—Not Available EC—Extra Cost \*Multi-Port Fuel Injection. †Electronic Fuel Injection. \*\*Tuned-Port Fuel Injection.

††RPO G92 3.45 performance ratio optional, requires G80 axle, J65 brakes and RPO QLC 16" tires.

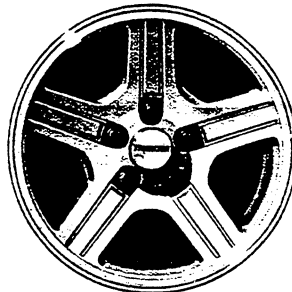
\*\*\*Required with RPO B2L V8.

†††Requires RPO G80 axle and RPO QLC 16" tires. (RPO G92 3.27 performance ratio optional, requires RPO G80 axle, J65 brakes and QLC 16" tires.)

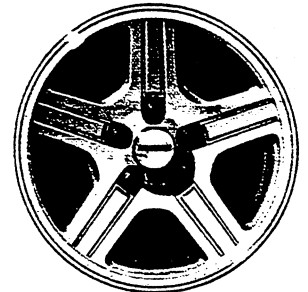
## WHEEL TRIM



Standard RS Coupe 15" x 7" cast aluminum wheels with locks. Machined rims and spoke leading edges with silver or gold painted highlights.



Standard IROC-Z 15" x 7" cast aluminum wheels. Machined rims and spoke leading edges with dark gray or gold painted highlights.



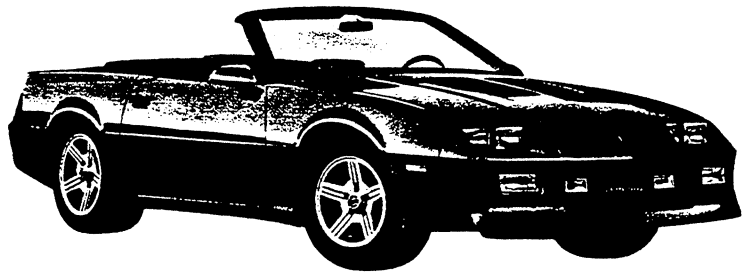
IROC-Z 16" x 8" cast aluminum wheels with locks (included with RPO LB9 V8 with RPO G92 axle or RPO B2L V8). Machined rims and spoke leading edges with dark gray or gold painted highlights.

## EXTERIOR DECOR FEATURES

### BODY SIDE MOLDINGS (RPO B84)

Protective body-color moldings for body sides. Available for all models.

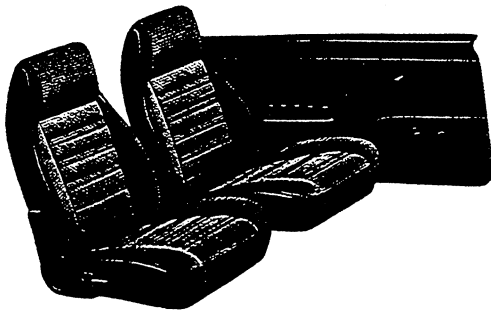
Camaro IROC-Z Convertible shown with stripe and decal delete option (RPO DX3).



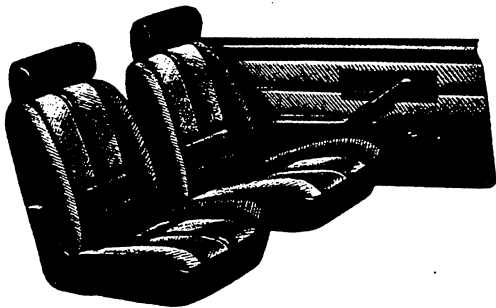
### REAR WINDOW LOUVER (RPO DE1)

Black louver assembly shades rear window. Available for Camaro RS Coupe and IROC-Z Coupe.

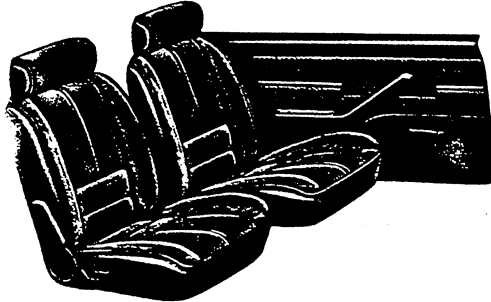




Camaro and IROC-Z standard cloth reclining bucket seats with integral head restraints.



Camaro and IROC-Z optional Custom Cloth reclining bucket seats with adjustable head restraints. (Available all models.)



Camaro and IROC-Z optional Custom reclining bucket seats with leather seating surfaces and adjustable head restraints. (Available all models.)

*Camaro*

**EXTERIOR COLORS**

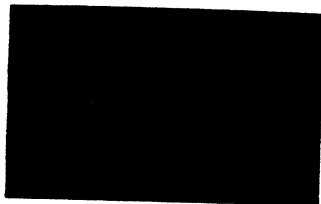


**23—Light Blue Metallic**

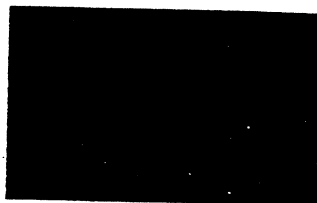


**41—Black**

**40—White**



**74—Dark Red Metallic**



**81—Bright Red**



**87—Medium Gray Metallic**



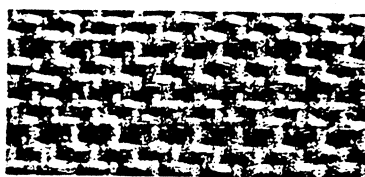
**98—Bright Blue Metallic**

## INTERIOR COLORS

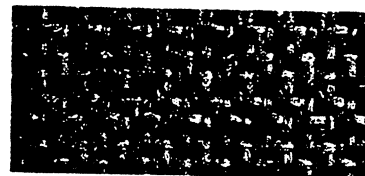
### CAMARO CLOTH SEAT TRIM



Black



Light Brown



Gray

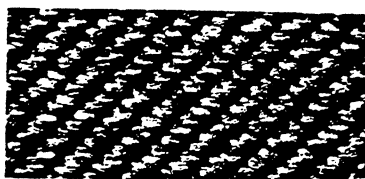


Red

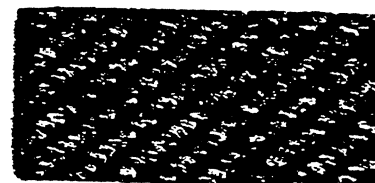
### CAMARO CUSTOM CLOTH SEAT TRIM



Black



Light Brown



Gray



Red

### CAMARO CUSTOM LEATHER SEAT TRIM



Light Brown



Gray



Red

**NOTE** Reproductions of exterior and interior colors in this brochure are printed as accurately as possible, but may vary slightly from actual paint and fabric colors. Exterior/Interior color combinations, vinyl roof colors and striping colors shown in the Color & Trim Selections chart represent combinations that are recommended or

considered acceptable. Variances to accommodate customer color preferences not indicated in the chart may be ordered by specifying RPO D60-Nonrecommended Color Combination. However, color combination overrides are not permitted in some instances. See Passenger Car Order Guide for further details.



# COLOR & TRIM SELECTIONS

## SEAT STYLE & TRIM COMBINATIONS

Model	Seat Type	INTERIOR COLORS			
		Black	Lt. Brown	Gray	Red
Camaro RS and Camaro IROC-Z	Cloth Bucket	CBB2	CEE2	CQQ2	CRR2
	Custom Cloth Bucket	FBF2	FEE2	FQQ2	FRR2
	Custom Leather Bucket		AEE2	AQQ2	ARR2

## CAMARO RS (Exterior/Interior Combinations)

Exterior Paint Color	Color Code	Aluminum Wheel Color				
Black	41	Gold		X		
Black	41	Silver	X		X	X
Blue, Bright (Met.)	98	Gold		X		
Blue, Bright (Met.)	98	Silver	X		X	
Blue, Light (Met.)	23	Silver	X		X	
Gray, Medium (Met.)	87	Silver	X		X	X
Red, Bright	81	Gold		X		
Red, Bright	81	Silver	X		X	X
Red, Dark (Met.)	74	Gold		X		
Red, Dark (Met.)	74	Silver	X		X	X
White	40	Gold		X		
White	40	Silver	X		X	X

## CAMARO IROC-Z (Exterior/Interior Combinations)

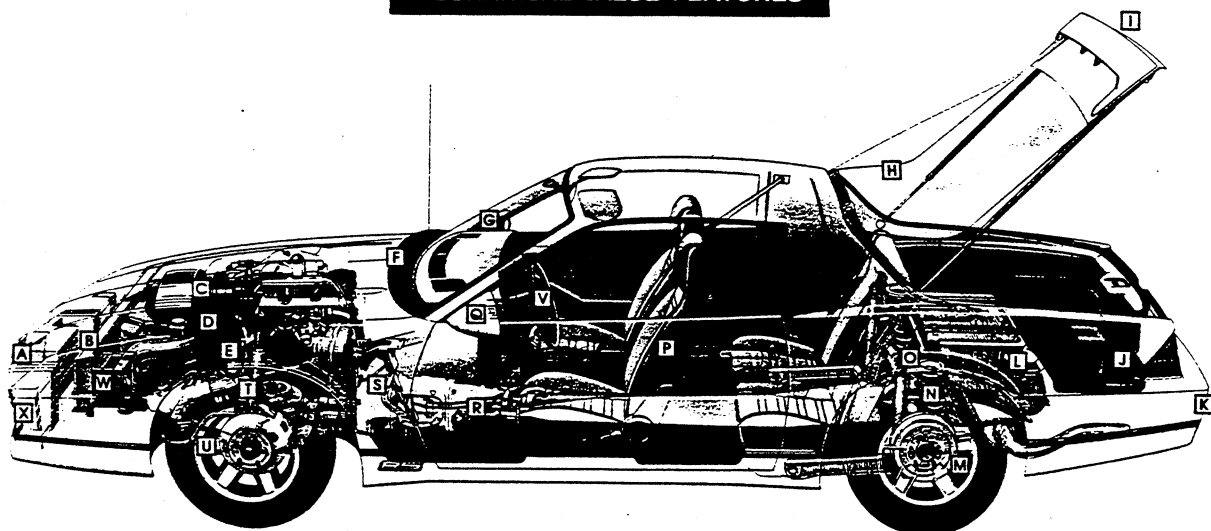
Exterior Paint Color	Color Code	Decal Color*	Stripe Color*	Aluminum Wheel Color				
Black	41	Gold	Black/Gold	Gold		X		
Black	41	Red	Black/Red	Silver†				X
Black	41	Gray	Black/Blue	Silver†	X		X	
Blue, Bright (Met.)	98	Gold	Black/Gold	Gold		X		
Blue, Bright (Met.)	98	Gray	Black/Silver	Silver†	X		X	
Red, Bright	81	Gold	Black/Gold	Gold		X		
Red, Bright	81	Red	Black/Silver	Silver†	X			X
Red, Bright	81	Gray	Black/Silver	Silver†			X	
Red, Dark (Met.)	74	Gold	Black/Gold	Gold	X	X		X
Red, Dark (Met.)	74	Red	Black/Red	Silver†			X	
White	40	Gold	Black/Gold	Gold		X		
White	40	Red	Black/Red	Silver†				X
White	40	Gray	Silver/Yellow	Silver†	X		X	

\*Decal and stripe delete available by specifying RPO DX3. †Aluminum wheel color is Gray when RPO N96 16" wheels are ordered.

*Camaro*

MECHANICAL/BODY VALUE FEATURES • DIMENSIONS

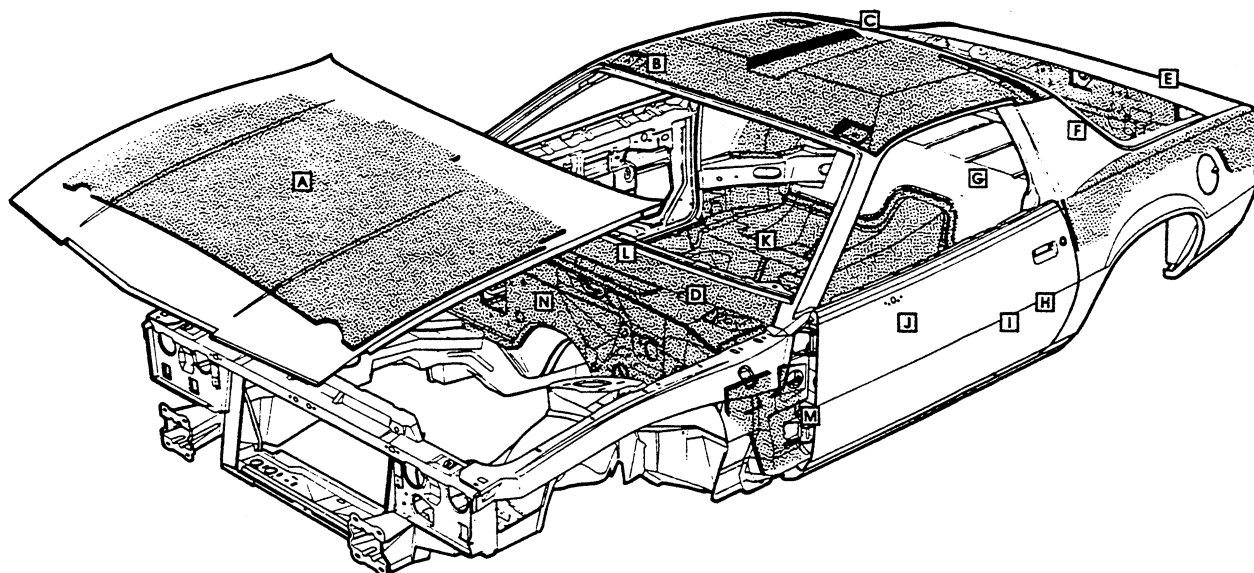
## MECHANICAL VALUE FEATURES



**A** Quad rectangular headlamps **B** Cross-flow radiator  
**C** High Energy Ignition system **D** Diode-rectified alternator with built-in voltage regulator **E** 2.8 Liter Overhead-Valve V6 engine with Multi-Port Fuel Injection (MFI) (standard in RS Coupe) **F** Concealed wet arm windshield wipers **G** Raked-back 62° windshield **H** Opening rear hatch with two gas-filled struts and power latching **I** Center high-mounted stop lamp, integral with deck spoiler **J** Deep-well stowage area **K** 5-MPH bumpers. **L** 15.5-gallon fuel tank **M** 15" x 7" cast aluminum wheels (painted gold or silver) **N** Torque-arm rear suspension with coil

springs **O** 7.625" rear axle ring gear **P** Fully reclining seats with full-foam seat construction **Q** Low-drag dual sport mirrors (LH remote) **R** 5-speed manual overdrive transmission standard on all models **S** 9.12" dia. clutch with V6; 10.0" w/L03 and LB9 **T** Modified MacPherson-strut front suspension **U** Power brakes with 10.5" vented rotors and semi-metallic pads in front; 9.5" diameter drums in rear **V** Power steering (overall ratio 15.4:1); PASS-Key™ ignition system **W** Delco Freedom Plus II battery **X** Integrated front and rear bumpers with honeycomb energy management system.

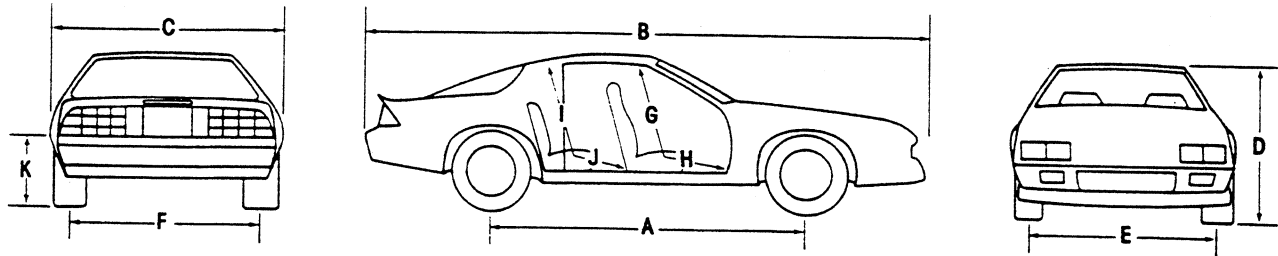
## BODY VALUE FEATURES



**A** Hood insulator pad **B** One-piece molded headliner is an acoustical sound absorber **C** Joints and holes required for assembly fixtures designed to aid sealing out noise **D** Sound absorber assemblies in rear compartment **E** Zincrometal hatch lid outer panel **F** Molded sound absorber enclosures for radio speakers **G** Galvanized underbody rails over rear axle and spring supports **H** Base-coat/clear-coat process utilizes a color-containing base coat which is covered

by a protective, appearance-enhancing clear coat **I** Electrodeposition primer precedes base-coat/clear-coat finish **J** Galvanized (one side) door panels **K** Sound absorber assembly in floor areas **L** Sound absorber assemblies in cowl and dash **M** Smooth urethane chip-resistant film on lower fender, body and door panels **N** Noise-isolating grommets in all dash panel openings.

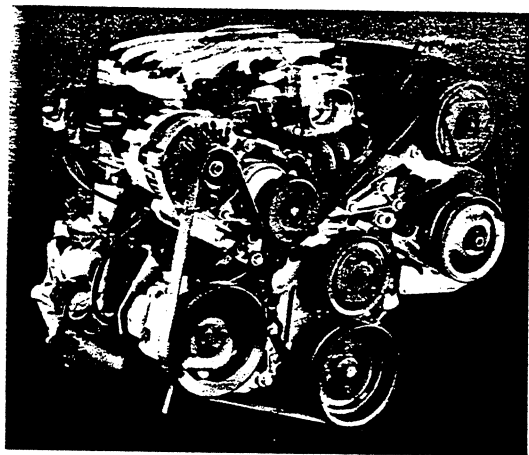
50  
**DIMENSIONS**



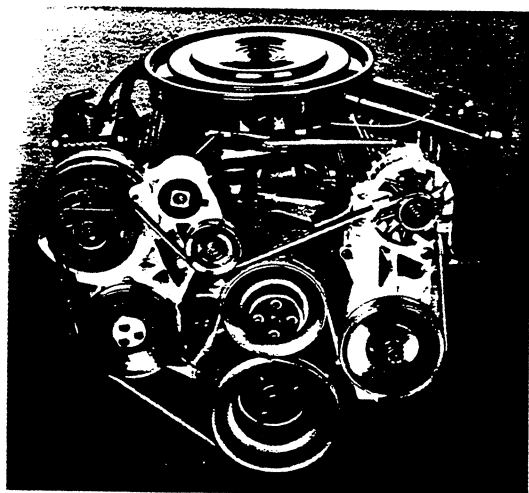
EXTERIOR DIMENSIONS (in.)		RS Coupe	IROC-Z Coupe	RS Convertible	IROC-Z Convertible
A	Wheelbase	101.0	101.0	101.0	101.0
B	Length (overall)	192.0	192.0	192.0	192.0
C	Width (overall)	72.8	72.8	72.8	72.8
D	Height (overall)	50.3	50.3	NA	NA
E	Tread—front	60.0	60.0	60.0	60.0
F	Tread—rear	60.9	60.9	60.9	60.9
	Minimum ground clearance	5.1	5.1	NA	NA
INTERIOR ROOMINESS (in.)					
G	Head room—front	37.0	37.0	37.1	37.1
H	Leg room—front	43.0	43.0	42.9	42.9
	Shoulder room—front	57.5	57.5	58.6	58.6
	Hip room—front	56.3	56.3	52.8	52.8
I	Head room—rear	35.6	35.6	36.1	36.1
J	Leg room—rear	29.8	29.8	28.3	28.3
	Shoulder room—rear	56.3	56.3	48.1	48.1
	Hip room—rear	42.8	42.8	43.9	43.9
LUGGAGE COMPARTMENT					
K	Lift-over height	34.8	34.8	34.8	34.8
	Cargo volume index w/rear seat up (cu. ft.)	12.4	12.4	5.2	5.2
	Cargo volume index w/rear seat down (cu. ft.)	31.0	31.0		
RATED FUEL TANK CAPACITY (gallons)		15.5	15.5	15.5	15.5
CURB WEIGHT (pounds)		3082 (w/V6)	3099	3267	3285

NA—Not available at time of printing.

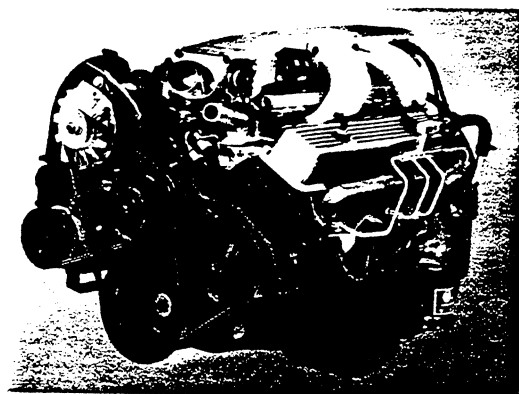
## ENGINE SPECIFICATIONS

**2.8 Liter V6 with MFI (RPO LB8).**

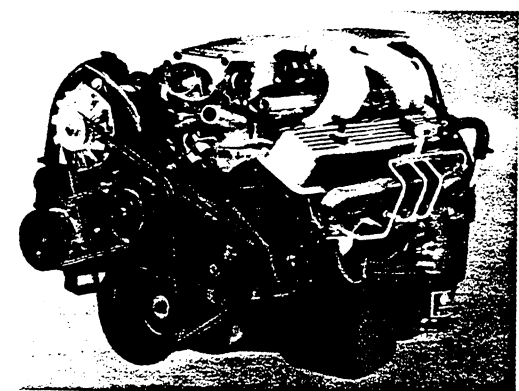
The Camaro RS Coupe's standard 2.8 Liter V6 breathes through a styled remote air cleaner. Filtered air is then drawn into the high-tech Multi-Port Fuel Injection (MFI) system's aluminum plenum. Fuel is injected directly into the intake ports. Multec injectors are used in this computer-controlled system, providing accurate air management and fuel metering. Engine accessories are mounted directly to the block and are driven by a single serpentine belt that never requires tensioning. Among the hidden features of this V6 is an internally-balanced crankshaft.

**5.0 Liter V8 with EFI (RPO L03).**

V8 power, electronically controlled for drivability and efficient operation, is available for the Camaro RS Coupe and is standard for the RS Convertible and IROC-Z models. During operation, this 5.0 Liter engine's Electronic Fuel Injection and ignition systems are constantly monitored and calibrated by an on-board computer system. Like other Camaro engines, the RPO L03 V8 includes the maintenance-free serpentine belt accessory drive system. Normal service checks are aided with the convenient T-handle oil level gage and threaded oil filler cap.

**5.0 Liter V8 with TPI (RPO LB9).**

Optional for Camaro IROC-Z models, the RPO 5.0 Liter V8 looks like a high-tech performance-tuned powerplant—and it is. Eight large tuned runners branch from the Tuned-Port Injection (TPI) system's central plenum. A Mass Airflow Sensor (MAS) senses air density as it leaves the twin ducted air cleaners, signalling ahead through the computer to the fuel-injectors' precise calibrations required for optimal operation. The injectors in the Tuned-Port system are positioned right at the cylinder head inlet ports. This V8 is equipped with a higher-lift camshaft when ordered with the 5-speed manual transmission. A new low back pressure exhaust system is optional for the LB9 with 3.45 rear axle option and 5-speed.

**5.7 Liter V8 with TPI (RPO B2L).**

Camaro's greatest performance potential is achieved with the optional 5.7 Liter V8 (RPO B2L), available for the IROC-Z Coupe. This engine has the same displacement as the famed Corvette RPO L98 engine and also features a Tuned-Port Fuel Injection system similar to that used by Corvette. Cylinder heads for the Camaro 5.7 Liter engine are cast iron. This performer utilizes Electronic Spark Control (ESC) to adjust timing electronically during operation. Thus, although it is a high-compression, performance-tuned engine, it may be operated with fuel of varying quality with reduced probability of octane "knock." A new low back pressure exhaust system is optional (requires 3.27 rear axle option).

**ENGINE SPECIFICATIONS**

	2.8 Liter V6 with MFI (RPO LB8)	5.0 Liter V8 with EFI (RPO L03)	5.0 Liter V8 with TPI (RPO LB9)	5.7 Liter V8 with TPI (RPO B2L)
ENGINE TYPE	60° V6—OHV	90° V8—OHV		
DISPLACEMENT (CU. IN.)	173	305		350
BORE AND STROKE (IN.)	3.50 x 2.99	3.74 x 3.48		4.00 x 3.48
HP* @ RPM	135 @ 4900	170 @ 4000	195 @ 4000†•	230 @ 4400††•
TORQUE* @ RPM (LBS.-FT.)	160 @ 3900	255 @ 2400	295 @ 2800**•	330 @ 3200***•
COMPRESSION RATIO	8.9:1	9.3:1		9.3:1
FUEL INDUCTION	Multi-Port Fuel Injection (MFI)	Electronic Fuel Injection (EFI)	Tuned-Port Fuel Injection (TPI)	
FUEL REQUIREMENT	87-Octane Rating Unleaded Gasoline†††		91-Octane Rating Unleaded Gasoline	
VALVE LIFTERS	Hydraulic	Roller-Type Hydraulic		
ENGINE EXHAUST	Single With Y-Type Crossover			Dual
CATALYTIC CONVERTER	Single Bed With Monolith Substrate	Dual Bed With Monolith Substrate		
MUFFLER/S	Single—Reverse Flow Type		Single—Free Flow Type	Dual—Free Flow Type
RESONATOR/S	None		One	None
TAILPIPE/S	Single	Dual		
IGNITION SYSTEM	12-Volt High Energy Ignition			
DELCOTRON GENERATOR	85 Amp		105 Amp	
BATTERY (SAE CAPACITY RATING)—Cold Cranking Amps	525 Amp			630 Amp
SPARK PLUGS	AC R42CTS	AC R45TS	R45TS	R45TS
COOLING SYSTEM CAPACITY (QTS.)	12.8	16.4	17.7	17.7
CRANKCASE CAPACITY (QTS.)	4.0*	5—Less Filter		5—Less Filter

OHV—Overhead Valve. \*SAE net. †With automatic, 220 @ 4400 with manual transmission and single exhaust; 230 @ 4600 with optional dual exhaust. \*\*With automatic, 290 @ 3200 with manual transmission; 300 @ 3200 with optional dual exhaust. ††240 @ 4400 with optional dual exhaust. \*\*\*345 @ 3200 with optional dual exhaust. †††85-octane rating may be used in certain high-altitude areas specified in Owner's Manual. Gasohol of equivalent octane rating may also be used, provided it is blended of not more than 10% ethanol. #Approximate capacity with or without filter change. •Horsepower and torque ratings determined using premium unleaded gasoline.

**SERVICE INTERVALS\***

Engine Oil ..... 12 months or 7,500 miles  
 Oil Filter ..... 12 months or 7,500 miles;  
   every 15,000 miles thereafter  
 Spark Plugs ..... 30,000 miles

Chassis Lubrication ..... 12 months or 7,500 miles  
 Automatic Transmission  
 Fluid Change ..... Every 100,000 miles

\*Consult Owner's Maintenance Schedule for operating conditions requiring more frequent service intervals.

*Camaro*

## EQUIPMENT SUMMARY

MECHANICAL	RS		IROC-Z	
	Coupe	Conv.	Coupe	Conv.
<b>POWER TEAM FEATURES</b>				
2.8L (173 CID) V6 with Multi-Port Fuel Injection (MPI)	S	NA	NA	NA
5.0L (305 CID) V8 with Electronic Fuel Injection (EFI)	EC	S	S	S
5.0L (305 CID) V8 with Tuned-Port Fuel Injection (TPI)	NA	NA	EC*	EC*
5.7L (350 CID) V8 with Tuned-Port Fuel Injection (TPI)	NA	NA	EC*	NA
Multec fuel injectors	S	S	S	S
Serpentine belt accessory drive	S	S	S	S
5-speed manual transmission with 5th gear overdrive	S	S	S	S
4-speed automatic transmission	EC	EC	EC	EC
Delco Freedom Plus II low-profile maintenance-free battery	S	S	S	S
High-Energy Ignition System (HEI)	S	S	S	S
<b>CHASSIS FEATURES</b>				
Full-coil suspension system with computer-selected springs	S	S	S	S
Front and rear stabilizer bars	S	S	S	S
Power front disc/rear drum brake system	S	S	S	S
Power steering with forward-mounted recirculating ball steering gear and linkage	S	S	S	S
Dual horns	S	S	S	S
<b>TIRES/WHEELS</b>				
P215/60R-15 all-season steel-belted Touring tires	S	S	NA	NA
P215/65R-15 Eagle GT black-lettered steel-belted radial tires	NA	NA	S	S
P245/50ZR-16 steel-belted black-lettered tires	NA	NA	EC*	EC*
15" x 7" five-spoke cast aluminum wheels with Camaro center cap inserts	S	S	NA	NA
15" x 7" five-spoke specific cast aluminum wheels with IROC-Z center cap inserts	NA	NA	S	S
16" x 8" five-spoke specific cast-aluminum wheels with IROC-Z center cap inserts	NA	NA	EC*	EC*
<b>BODY FEATURES</b>				
Fully-unitized body construction	S	S	S	S
Bolt-on front-end sheet metal	S	S	S	S
Zinc-rich prime steel door inner panels	S	S	S	S
Energy-absorbing front and rear bumpers with body-color fascias	S	S	S	S

EXTERIOR	RS		IROC-Z	
	Coupe	Conv.	Coupe	Conv.
Lower cooling opening in front fascia with black grille	S	S	NA	NA
Lower cooling opening in front fascia with halogen fog lamps and Camaro plate	NA	NA	S	S
Dual rectangular headlamps	S	S	S	S
Body-color headlamps opening	S	S	S	S
Black simulated hood louvers	NA	NA	S	S
Flush-glass design windshield with black reveal molding	S	S	S	S
Black concealed windshield wipers	S	S	S	S
Body-color body side lower aero panels	S	S	S	S
Aero panel badges—RS—IROC-Z	S	S	NA	NA
IROC-Z door name decals	NA	NA	S**	S**
Lower body and fascia accent striping	NA	NA	S**	S**
Dual body-color sport mirrors (LH remote)	S	S	S	S
Opening glass hatch lid with tinted upper area	S	NA	S	NA
Automatic hatch power closure latch	S	NA	S	NA
Manual black vinyl folding top	NA	S	NA	S
Top cover and separate deck lid	NA	S	NA	S
Flexible plastic rear window	NA	S	NA	S
Rear hatch spoiler—three piece	S	NA	S	NA
Rear deck spoiler—specific three piece	NA	S	NA	S
High-mount stop lamp on spoiler	S	S	S	S
Chip-resistant paint on lower body panels and wheel openings	S	S	S	S

INTERIOR	RS		IROC-Z	
	Coupe	Conv.	Coupe	Conv.
<b>INSTRUMENT PANEL/CONTROLS</b>				
Full instrumentation including tachometer and trip odometer. (115 mph speedometer graphics)	S	S	S	S
PASS-Key™ ignition system	S	S	S	S
Side window defoggers	S	S	S	S
Headlamps-on warning buzzer	S	S	S	S
Fog lamp switch with telltale lamp	NA	NA	S	S
Heater, ventilation and optional air conditioning controls integral with console	S	S	S	S
AM/FM stereo radio with Seek and Scan and digital clock	S	S	S	S
Full floor console with hinged storage compartment cover	S	S	S	S
Console-mounted shift lever—vinyl-covered knob—leather-covered knob	S	S	NA	NA
3-spoke black vinyl-covered steering wheel with rectangular center	S	S	NA	NA
3-spoke steering wheel with leather-wrapped rim and round horn button with emblem	NA	NA	S	S
<b>SEATS/DOOR PANELS</b>				
Cloth reclining high-back front bucket seats	S	S	S	S
Full-width rear seat folding backrest	S	S	S	S
Color-keyed safety belt system with front and outer position rear shoulder/lap belts (lap belt only, rear center)	S	S	S	S
Padded door panels and armrests	S	S	S	S
<b>HEADLINING/CARPETING</b>				
Cloth-covered molded foam headlining	S	S	S	S
R. H. visor vanity mirror	NA	NA	S	S
Day/night rearview mirror	S	S	S	S
Day/night rearview mirror with dual reading lamps	EC	S	EC	S
Color-keyed passenger area carpeting	S	S	S	S
Rear compartment carpeting	S	NA	S	NA
Color-keyed console side wall carpeting	S	S	S	S
Color-keyed molded plastic jack and spare tire cover	S	NA	S	NA

\*5.0L V8 with TPI (RPO LB9) and 5.7L with TPI (RPO B2L) require additional power team and/or chassis options: see Order Guide.  
 \*\*IROC-Z Stripe and Decal Delete (RPO DX3) available.



## CAMARO INDEX

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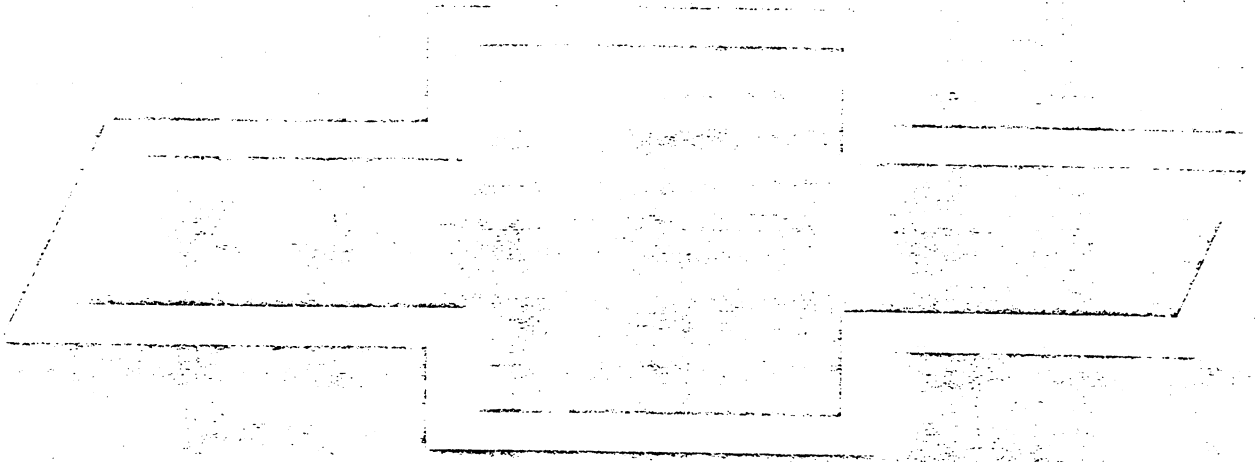
SUBJECT	PAGE NO.		
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Color & Trim		Instrument Panels .....	5
Color & Trim Selections .....	11	Mechanical Value Features .....	12
Exterior Colors .....	9	Model Features .....	2
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Equipment Summary .....	16	Steering Wheels .....	5
Exterior Decor Features .....	7	Wheel Trim .....	7

THE

*Heartbeat*

OF AMERICA





**Simmons**



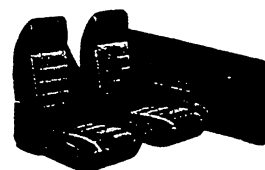
<b>CAMARO IROC-Z COUPE</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Preferred Equipment Group 1</b>			
Auxiliary Lighting	■	■	■
Body-Side Moldings	■	■	■
Heavy-Duty Battery	■	■	■
Tinted Glass	■	■	■
<b>Preferred Equipment Group 2</b>			
Air Conditioning	■	■	■
Carpeted Front and Rear Floor Mats	■	■	■
Comfortilt Steering Wheel	■	■	■
Electronic Speed Control with Resume Speed	■	■	■
Intermittent Wipers	■	■	■
Power Hatch Release	■	■	■
Power Door Locks	■	■	■
Radio: Electronically Tuned AM/FM Stereo with Seek and Scan, Stereo Cassette Tape Player, Extended Range Sound System and Digital Clock	■	■	■
<b>Preferred Equipment Group 3</b>			
Halogen High- and Low-Beam Headlamps	■	■	■
Mirrors, Electric Twin Remote	■	■	■
Radio: Electronically Tuned AM Stereo*/FM Stereo with Seek and Scan, Stereo Cassette Tape Player with Search and Repeat, Graphic Equalizer, Extended Range Sound System and Digital Clock	■	■	■
Rear Compartment Cover	■	■	■
Mirror with Dual Reading Lamps	■	■	■
Power Driver's Seat	■	■	■
Power Windows	■	■	■

### Individually Available Options <sup>33</sup>

(May be added with any equipment group if not already included.)

- Air Conditioning
- Aluminum Wheels (16") (NA on RS)
- Deluxe Luggage Compartment Trim (NA on Convertible)
- Door Edge Moldings (Black)
- Electric Rear Window Defogger (NA on Convertible)
- Engine Block Heater
- 4-Wheel Disc Power Brakes (IROC-Z only)
- Limited Slip Differential Axle
- Locking Rear Floor Cover (NA on Convertible)
- Power Door Locks
- Rear Window Louvers (NA on Convertible)
- Removable Roof Panels with Locks (NA on Convertible)
- Split-Folding Rear Seat-Back (Requires Custom Trim)
- Power Hatch Release.

### Interiors



Standard cloth reclining bucket seats with integral head restraints. Available colors: Black, Light Brown, Gray, Red.



Optional Custom Cloth reclining bucket seats with adjustable head restraints. Available colors: Black, Light Brown, Gray, Red.



Optional Custom reclining bucket seats with leather seating surfaces and adjustable head restraints. Available colors: Black, Light Brown, Gray, Red.

### Exterior Colors



Light Blue Metallic\*

White



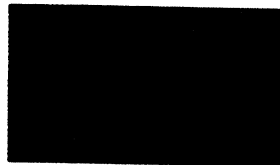
Black



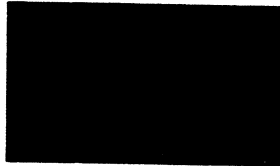
Dark Red Metallic



Bright Red



Medium Gray Metallic\*

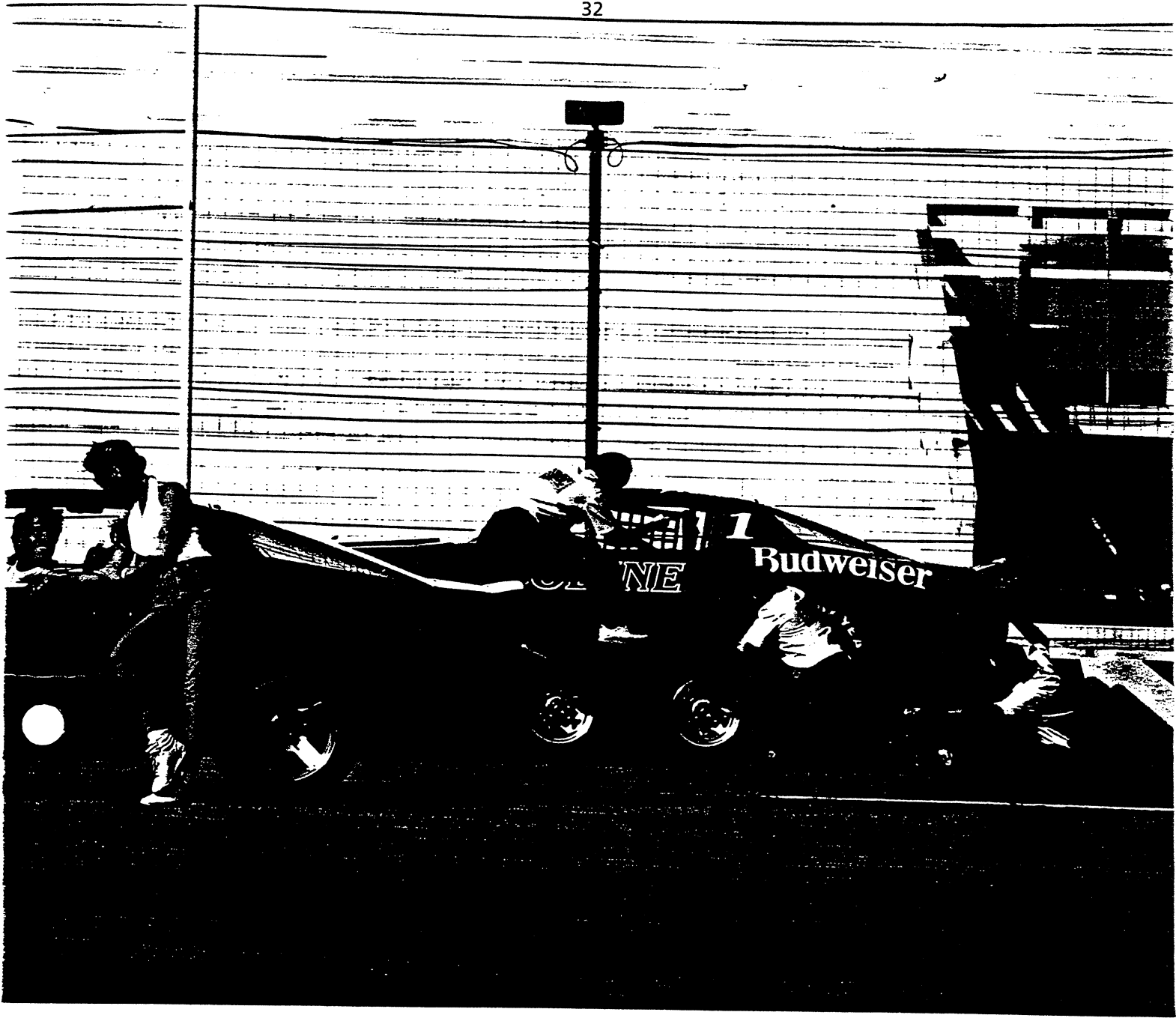


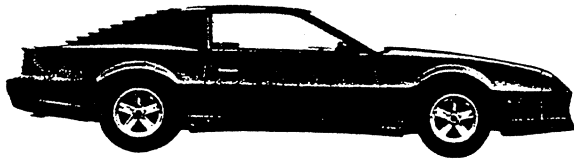
Bright Blue Metallic

\*Not available on IROC-Z.

<b>CAMARO IROC-Z CONVERTIBLE</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Preferred Equipment Group 1</b>			
Body-Side Molding	■	■	■
Heavy-Duty Battery	■	■	■
Tinted Glass	■	■	■
<b>Preferred Equipment Group 2</b>			
Air Conditioning	■	■	■
Carpeted Front and Rear Floor Mats	■	■	■
Comfortilt Steering Wheel	■	■	■
Electronic Speed Control with Resume Speed	■	■	■
Intermittent Wipers	■	■	■
Power Door Locks	■	■	■
Radio: Electronically Tuned AM/FM Stereo with Seek and Scan, Stereo Cassette Tape Player, Extended Range Sound System and Digital Clock	■	■	■
<b>Preferred Equipment Group 3</b>			
Electric Sport Mirrors, Twin Remote	■	■	■
Halogen High- and Low-Beam Headlamps	■	■	■
Power Driver's Seat	■	■	■
Power Windows	■	■	■
Radio: Electronically Tuned AM Stereo*/FM Stereo with Seek and Scan, Stereo Cassette Tape Player with Search and Repeat, Graphic Equalizer, Extended Range Sound System and Digital Clock	■	■	■

\*Receives C-Quam® AM stereo broadcasts. \*Most AM stereo stations across the country broadcast in C-Quam but some do not. Check with your local station for compatibility in your area.

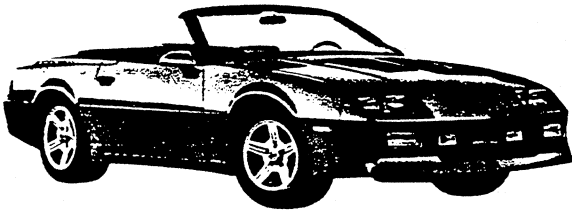




Camaro RS Coupe with optional rear window louvers.



Camaro IROC-Z Coupe.



Camaro IROC-Z Convertible.

### Camaro RS Standard Features

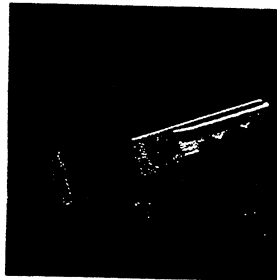
- AM/FM stereo with Seek and Scan, Extended Range Sound System and digital clock
- Base-coat clear-coat paint
- Cloth reclining bucket seats
- Center console with storage compartment
- Dead-weight luggage area
- Dual color-keyed sport mirrors (left and right)
- 15" x 7" cast-aluminum wheels
- Extensive anti-corrosion protection
- Five-speed manual transmission
- Front air dam/ground-effect roof-er moldings

- Front disc brake audible wear sensors
- PASS-Key™ vehicle anti-theft system
- Power front disc/rear drum brakes
- Power steering
- Power ventilation system
- P215 65R-15 steel-belted all-season radial Touring tires
- Rear-deck spoiler
- Rear hatch with automatic pull-down
- Side window defoggers
- Special Instrumentation with tachometer
- Sport suspension
- 2.8 Liter V6 with Multi-Port Fuel Injection.

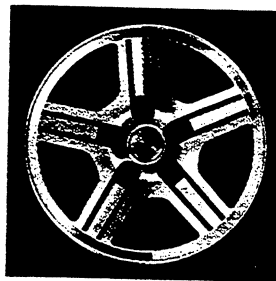
### Camaro IROC-Z Standard Features

In addition to or replacing Camaro RS equipment:

- Black-painted headlamp openings
- Black simulated louvers on hood
- Camaro gold or silver letters on lower front fascia
- 5.0 Liter V8 with EFI
- Halogen fog lamps
- Leather-wrapped steering wheel and shift knob
- Special instrumentation with tachometer
- Special performance ride and handling suspension
- Specific striping and color-coordinated IROC-Z door decals
- Specific tail lamps
- Visor vanity mirror.



PASS-Key™ theft deterrent system is standard on all 1989 Camaros.



IROC-Z 15" cast-aluminum wheel (with silver or gold accents). Optional IROC-Z 16" cast-aluminum wheel also available (with gray or gold accents).

### Preferred Equipment Groups

The 1989 Camaro features optional Preferred Equipment Groups that help simplify the buying process. Choose the package containing the equipment you desire, then select from the accompanying list of individual options. Some restrictions apply. See your dealer for details.

#### CAMARO RS COUPE

##### Preferred Equipment Group 1

	1	2	3
Auxiliary Lighting	■	■	■
Body-Side Moldings	■	■	■
Heavy-Duty Battery	■	■	■
Tinted Glass	■	■	■

##### Preferred Equipment Group 2

Air Conditioning	■	■	■
Carpeted Front and Rear Floor Mats	■	■	■
Comfortit Steering Wheel	■	■	■
Electronic Speed Control with Resume Speed	■	■	■
Intermittent Wipers	■	■	■
Power Door Locks	■	■	■
Radio: Electronically Tuned AM/FM Stereo with Seek and Scan, Stereo Cassette Tape Player, Extended Range Sound System and Digital Clock	■	■	■

##### Preferred Equipment Group 3

Halogen High- and Low-Beam Headlamps	■	■	■
Power Windows	■	■	■
Rear Compartment Cover	■	■	■
Mirror with Dual Reading Lamps	■	■	■

#### CAMARO RS CONVERTIBLE

##### Preferred Equipment Group 1

Body-Side Molding	■	■	■
Heavy-Duty Battery	■	■	■
Tinted Glass	■	■	■

##### Preferred Equipment Group 2

Air Conditioning	■	■	■
Carpeted Front and Rear Floor Mats	■	■	■
Comfortit Steering Wheel	■	■	■
Electronic Speed Control with Resume Speed	■	■	■
Intermittent Wipers	■	■	■
Radio: Electronically Tuned AM/FM Stereo with Seek and Scan, Stereo Cassette Tape Player, Extended Range Sound System and Digital Clock	■	■	■

##### Preferred Equipment Group 3

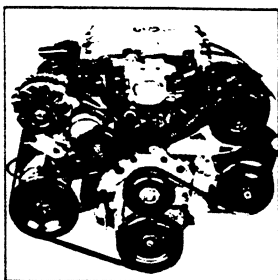
Halogen High- and Low-Beam Headlamps	■	■	■
Power Windows	■	■	■

## POWER TEAMS\*

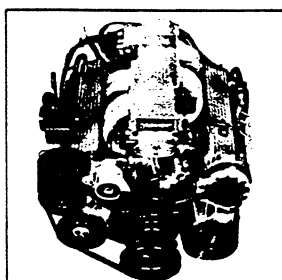
Engines	Engine Availability						Transmission Availability
	Original Code	RS Code	RS Convertible	IROC-Z Convertible	Manual 5-Speed	Automatic 4-Speed	4-Speed
2.8 Liter V6* with MFI (173 CID)	LB8	S	NA	NA	NA	S	O
5.0 Liter V8 with EFI (305 CID)	LO3	O	S	S	S	S	O
5.0 Liter V8 with TPI (305 CID)	LB9	NA	NA	O	O	S	O
5.7 Liter V8 with TPI (350 CID)	B2L	NA	NA	O	NA	NA	O†

S=Standard, O=Optional, NA=Not Available, EFI=Electronic Fuel Injection, MFI=Multi-Port Fuel Injection, TPI=Tuned-Port Fuel Injection.

\*Produced in USA, Canada and Mexico. †Required option.



2.8 Liter V6 with Multi-Port Fuel Injection (standard on Camaro RS Coupe).



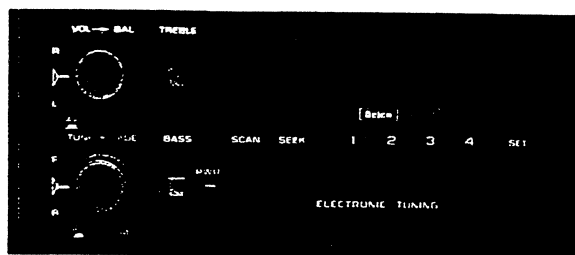
5.7 Liter V8 with Tuned-Port Injection (optional on Camaro IROC-Z Coupe).

- Computerized idle adjustment for quick engine response in any weather.
- Simple turn-key starting, hot or cold.
- A single-belt accessory drive designed to never need adjustment.
- New high-efficiency fuel injectors, providing improved fuel atomization and less susceptibility to plugging on any gasoline blend.

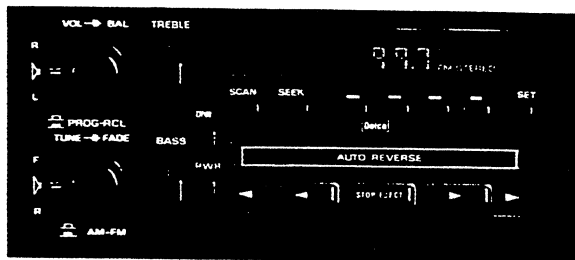
DIMENSIONS (in.)	IROC-Z Convertible		
	RS	IROC-Z	ible
Wheelbase	101.0	101.0	101.0
Length (Overall)	192.0	192.0	192.0
Width (Overall)	72.8	72.8	72.8
Height (Overall)	50.3	50.3	NA
Tread-Front	60.0	60.0	60.0
Tread-Rear	60.9	60.9	60.9
Cargo Volume (cu. ft.)	31.0	31.0	5.2
Fuel Tank Capacity (gals.)	15.5	15.5	15.5

\*The chains should not be used on Camaros equipped with P245 60ZR-16 tires because they may cause damage to the vehicle.

## 35 Sound Systems



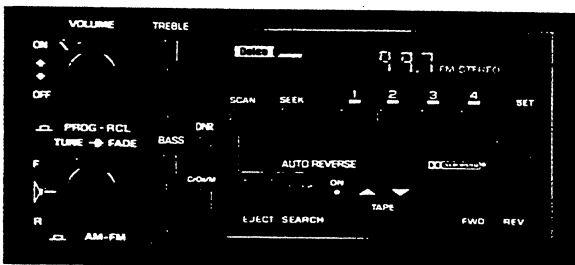
Standard electronically tuned Delco AM/FM stereo radio with Seek and Scan, Extended Range Sound System and digital clock.



Optional electronically tuned Delco AM/FM stereo radio with Seek and Scan, Extended Range Sound System, cassette player and digital clock.



Optional electronically tuned Delco AM stereo\*IFM stereo with Seek and Scan, Extended Range Sound System, graphic equalizer, cassette with search and repeat and digital clock.



Optional AM/IFM Bose II stereo radio with tuned speakers, cassette player with search and repeat, Dolby® sound, and digital clock. (Not available on Convertible models.)

\*Receives C-Quam® AM stereo broadcasts. Most AM stereo stations across the country broadcast in C-Quam but some do not. Check with your local stations for compatibility in your area.

## Important: A Word About This Catalog.

We have tried to make this catalog as comprehensive and factual as possible. We reserve the right, however, to make changes at any time, without notice, in prices, colors, materials, equipment, specifications, models and availability. Since some information may have been updated since the time of printing, please check with your Chevrolet dealer for complete details, including details on the GM warranty which covers Chevrolets.

## A Word About Engines.

Chevrolets are equipped with engines produced by different operating units of GM, its subsidiaries or suppliers to GM worldwide.

## A Word About Assembly of Chevrolets.

Chevrolets are assembled by different operating units of General Motors, its subsidiaries or suppliers to GM worldwide. Chevrolet incorporates thousands of components produced by different operating units of GM, its subsidiaries or suppliers to GM worldwide. We sometimes find it necessary to produce Chevrolets with different or differently sourced components than originally scheduled. All such components have been approved for use in Chevrolets and will provide the quality performance associated with the Chevrolet name. Since some options may be unavailable when your vehicle is assembled, we suggest that you verify that your vehicle includes the equipment you ordered or, if there are changes, that they are acceptable to you.

## A Word About Updated Service Information.

Chevrolet regularly sends its dealers useful service bulletins about Chevrolet products. Chevrolet monitors product performance in the field. We then prepare bulletins for servicing our products better. Now you can get these bulletins, too. Ask your dealer. To get ordering information, call toll-free 1-800-551-4123.

At your Chevrolet dealer's, financing or leasing your new Camaro can be as easy as saying GMAC.

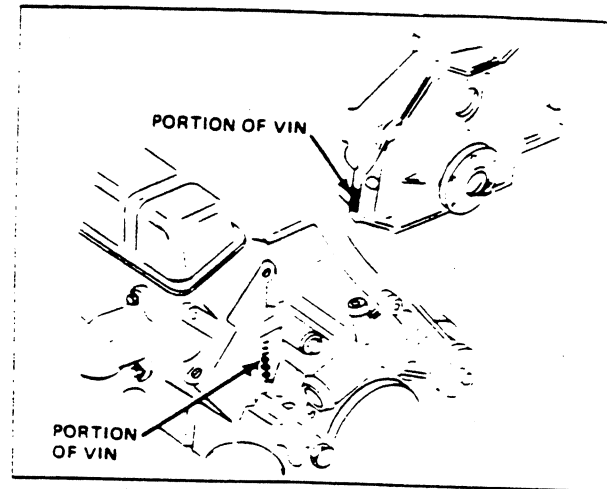
© 1988 General Motors Corporation. All rights reserved.

Let's get it together... buckle up.



### 3.2 AND 3.8 LITER GASOLINE V-6 — BUICK

In 1978 the code was located on the front surface of the cylinder case, forward of the right cylinder head. Since 1978, the code is stamped on a pad at the left rear of the cylinder case.

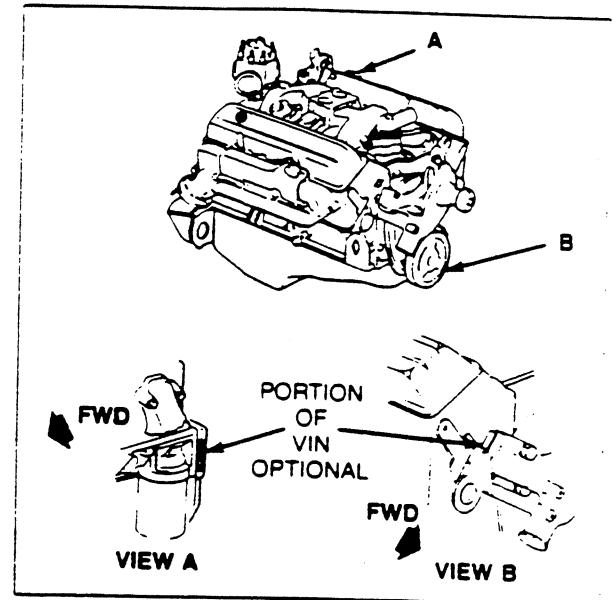


### 3.3, 3.8, 4.3, 4.4, 5.0, 5.7 AND 6.6 LITER GASOLINE 90° V-BLOCK — CHEVROLET

The code is stamped on a cylinder case pad immediately forward of the right hand cylinder head.

OR

The code may be on the vertical surface rearward of the oil filter location.

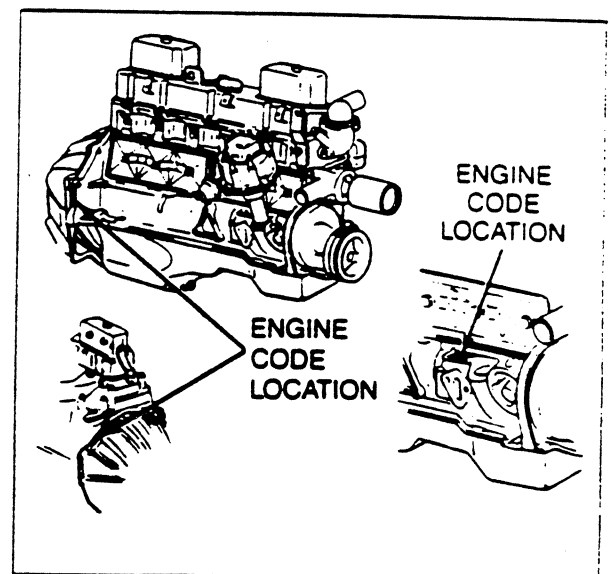


### 4.1 AND 4.8 LITER GASOLINE L-6 — CHEVROLET

The code is stamped on a pad on the right hand side of the cylinder case, just rear of the distributor.

OR

The code may be on the vertical surface, either left or right hand side, of transmission mounting flange.



# ENGINE ASSEMBLY CODES IDENTIFICATION (CONT'T)

1989

2.8(173) - L88  
VIN S

AAD AAF AXY ABL

5.0(305) - L03  
VIN E

AKH AKJ

5.0(305) - L89  
VIN F

ATA ATB ATF

5.7(350) - L98  
VIN 8

AWA AWK

## ENGINE AND TRANSMISSION USAGE (CON'T)

1988 - 1989

VIN CODE	CUBIC DISP	LITER TYPE	ENGINE TYPE	TYPE TYPE	ENGINE OPT	SERIES USAGE	TRANSMISSION USAGE
E	305	5.0	V8	FI	L03	F	MD8, M39
F	305	5.0	V8	FI	L89	F	MD8, M39, MK6
S	173	2.8	V6	FI	L88	F	MD8, MB1
8	350	5.7	V8	FI	L98	F	MD8

### AUTO TRANS.

MD8 700-R4/4L60 4 SPEED

### MAN. TRANS.

MB1 5 SPEED  
M39 5 SPEED  
MK6 5 SPEED

## TRANSMISSION IDENTIFICATION (CONT'D)

(INCLUDING AXLE RATIO)

## TRANSMISSION TO ASSEMBLY CODES

Note: Transmission identification can be located in one of three positions on the transmission.  
A. Identification plate on side of case  
B. Stamping number on governor cover  
C. Ink stamped on bell housing

1989

MD8 - 4 SPD A.T.  
THM700R4

9YXM 9YPM 9YZM 9YWM  
9YMM 9FKM 9FXM

M39 - 5 SPD MAN.

DKB

MB1 - 5 SPD MAN.

DKC

MK6 5 SPD MAN.

OKA

## TRANSMISSION IDENTIFICATION ASSEMBLY CODE TO TRANSMISSION (CONT'D)

1989

9FKM - MD8  
9FXM - MD8

9YXM - MD8  
9YMM - MD8

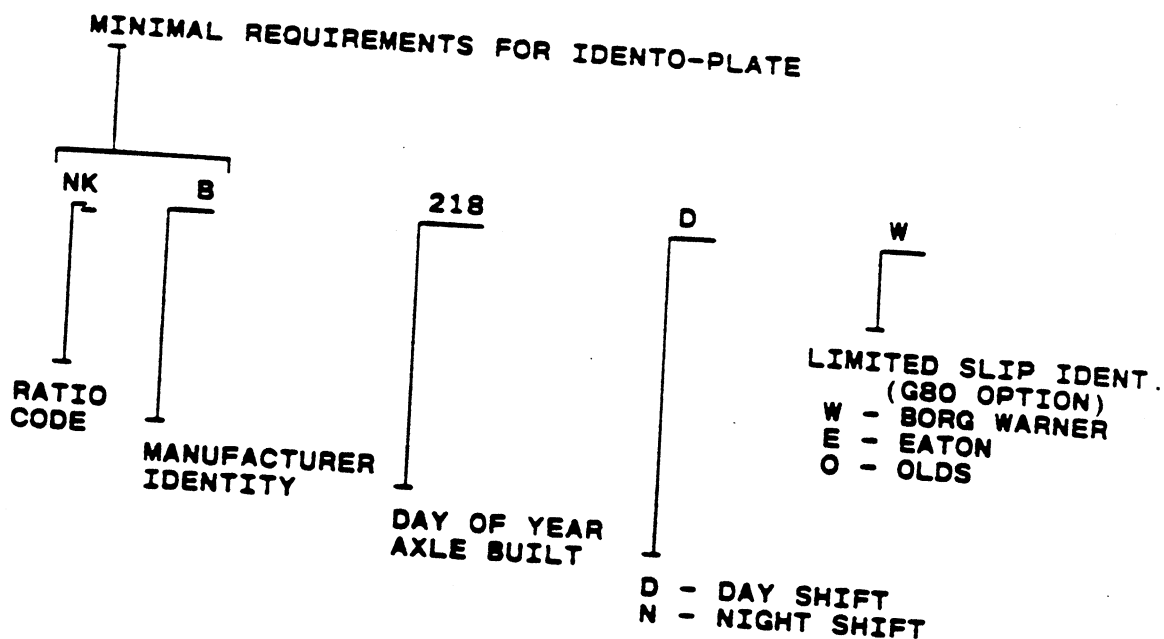
9YPM - MD8  
OKA - MK6

9YZM - MD8  
DKB - M39

9YUM - MD8  
DKC - MB1

AXLES are manufactured by Buick, Chevrolet, Buffalo, Chevrolet, Warren, Chevrolet, Gear and Axle, Oldsmobile, Pontiac and McKinnon. Divisional Manufacturer code letters will be metal stamped on the axle tube adjacent to the carrier for field identification. (See example) Metal stamped on right front inboard side letters and numerals 1/4" high, 3" outboard of carrier or are located on a metal tag attached to cover bolt. Reference should be made to divisional service manuals for location on some models.

## FIELD IDENTIFICATION



## MANUFACTURER IDENTITY

B - BUICK  
 O - OLDSMOBILE  
 P - PONTIAC  
 M - PONTIAC/CANADA  
 G - CHEVROLET GEAR AND AXLE  
 C - CHEVROLET BUFFALO  
 K - GM OF CANADA, ST. CATHERINES (MCKINNON)  
 W - CHEVROLET WARREN

MANUFACTURERS IDENTIFICATION WILL APPEAR IN THE DESCRIPTION COLUMN OF CATALOG

## AXLE IDENTIFICATION CODES (CONT'D)

(\*INDICATES POSITRACTION)

### 1989

2.73 RATIO CODE	GU2 OPTION RING GEAR
6HE*	7.625
6HP	7.625
6HT*	7.625

3.27 RATIO CODE	GW6 OPTION RING GEAR
8EU*	7.75
9EQ*	7.75

2.77 RATIO CODE	GH3 OPTION RING GEAR
8ET*	7.75
9ET*	7.75

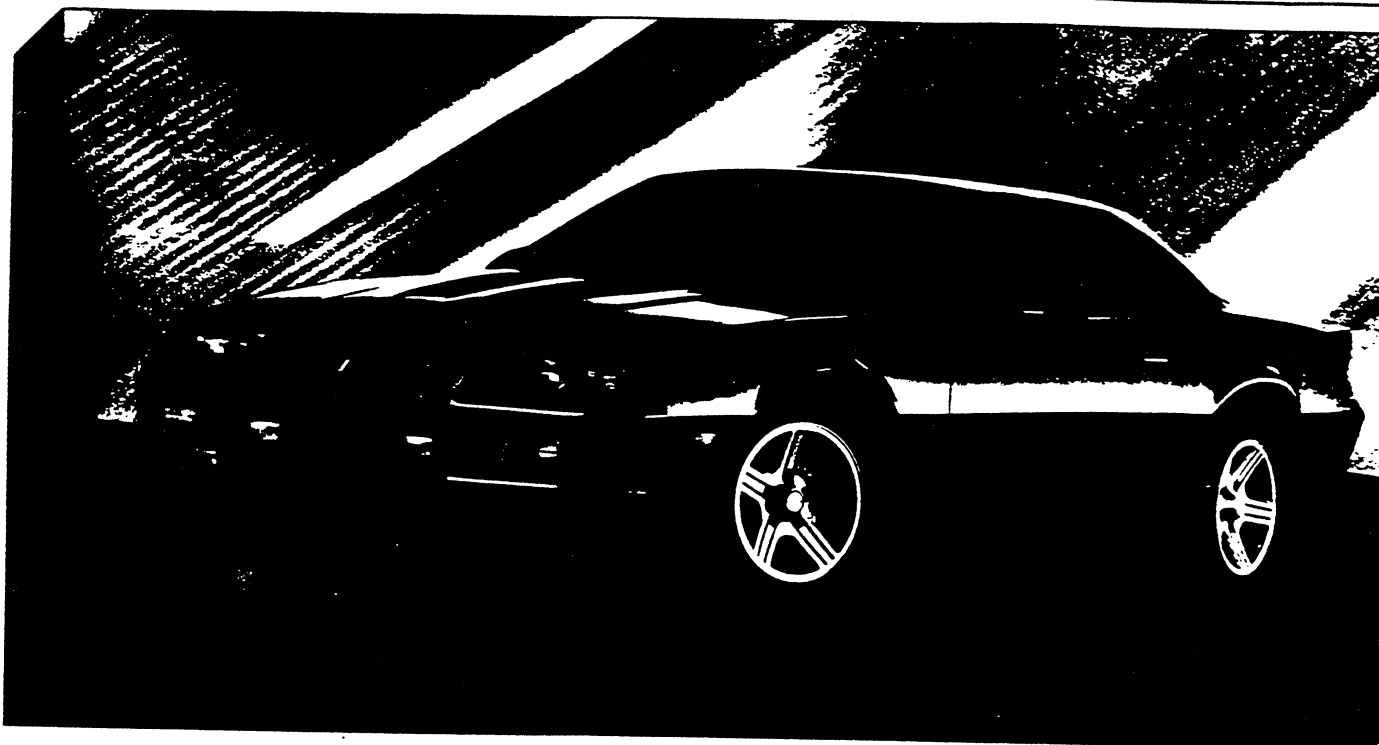
3.42 RATIO CODE	GU6 OPTION RING GEAR
6HL	7.625

3.08 RATIO CODE	GU4 OPTION RING GEAR
6HB*	7.625
6HF*	7.625
6HK	7.625

3.45 RATIO CODE	GM3 OPTION RING GEAR
8EW*	7.75
9ER*	7.75







Camaro IROC-Z Coupe.

## NEW FEATURES

- Camaro model line consists of RS Coupe and RS Convertible, both available with RPO Z28 IROC-Z equipment
- PASS-Key™ theft-deterrent ignition lock standard
- RS models have solid body color (without stripes)
- 3-point rear seat/shoulder safety belts added to safety belt system as standard
- All-season steel-belted 15" Touring tires on 5-spoke gold or silver 15" aluminum wheels with machined rims and spoke leading edges standard on RS models
- IROC-Z base 15" wheel resembles 16" optional IROC-Z wheel
- 16" IROC-Z aluminum wheels included only with specific optional power teams
- Progressive throttle
- Performance exhaust system with IROC-Z RPO LB9 and B2L optional V8s
- Radio delete (RPO UL5) available only with Base model packages

## STANDARD FEATURES

- Body-color lower body aero panels and bumper fascias
- Rear spoiler (specific to body type)
- Full instrumentation with tachometer and trip odometer
- Cockpit-design instrument panel with side window defoggers
- Full floor console with integral radio controls
- AM/FM stereo radio with Seek and Scan and digital clock\*

\*May be deleted for credit from Base model packages only.

## EQUIPMENT SUMMARY

	Camaro RS Coupe/Convertible	Camaro IROC-Z Coupe/Convertible
Base-coat/clear-coat exterior finish	S	S
Energy-absorbing front/rear bumpers with body-color fascias	S	S
Body-color lower aero panels	S	S
Body-color dual sport mirrors (LH remote)	S	S
Black grille	S	NA
Halogen fog lamps in grille opening	NA	S
Rear spoiler with integral center high-mounted stop lamp	S	S
Electric pull-down latch for hatch glass	S	NA
Black vinyl-rimmed steering wheel	S	NA
Black leather-rimmed specific steering wheel	NA	S
Full floor console with hidden storage compartment	S	S
Color-keyed safety belt system with front and rear shoulder belts	S	S
Full floor and luggage area carpeting	S	S
All-season steel-belted P215/65R-15 Touring radials	S	NA
All-season steel-belted P215/65R-15 Eagle GT+4 performance radial tires	NA	S
Power steering with forward-mounted recirculating ball gear and linkage	S	S
Power front disc/rear drum brakes	S	S
Full coil suspension system with computer-selected springs	S	S

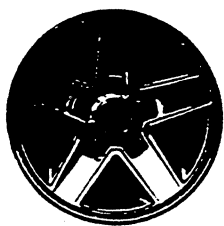
S—Standard NA—Not Available

Refer to Passenger Car Order Guide for option availability and application.

ORDERING INFORMATION

## WHEEL TRIM

9



Standard RS Coupe 15" x 7" cast aluminum wheels with locks, machined rims and spoke leading edges with silver or gold painted highlights.

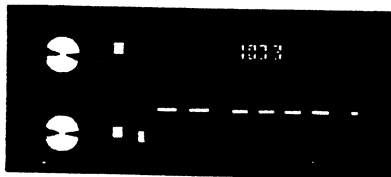


Standard IROC-Z 15" x 7" cast aluminum wheels, machined rims and spoke leading edges with dark gray or gold painted highlights.



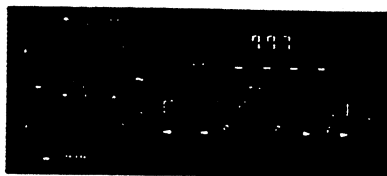
Optional IROC-Z 16" x 8" cast aluminum wheels with locks (RPO N96), machined rims and spoke leading edges with dark gray or gold painted highlights. IROC-Z center inserts.

## RADIOS

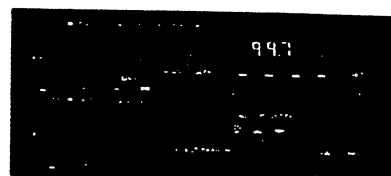


Standard electronically tuned AM/FM stereo radio with Seek and Scan and digital clock\*; dual front and extended range rear speakers.

\*May be deleted for credit from Base model packages only.

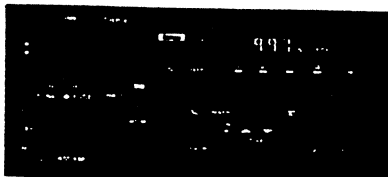


Optional electronically tuned AM/FM stereo radio with Seek and Scan, dual front and extended range rear speakers, cassette and digital clock (RPO UM6).



Optional electronically tuned AM stereo\*/FM stereo radio with Seek and Scan, dual front and extended range rear speakers, graphic equalizer, cassette with Search and Repeat, and digital clock (RPO UX1).

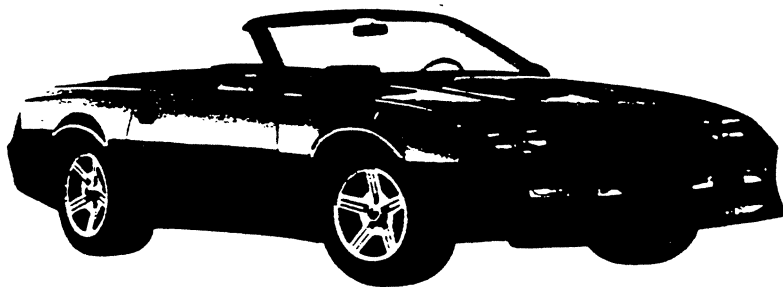
\*Receives C-Quam\* AM stereo broadcasts. Most AM stereo stations across the country broadcast in C-Quam but some do not. Check with your local stations for compatibility in your area. C-Quam is a registered trademark of the Motorola Company.



Optional Delco\*/Bose AM/FM stereo radio with tuned speakers, cassette with Search and Repeat, Dolby\* sound and digital clock (RPO UU8). (Not available on Convertible models.)

Appearance of radios may vary by car model.

## EXTERIOR DECOR



### BODY SIDE MOLDINGS (RPO B84)

Protective body-color moldings for body sides. Available for all models.

Camaro IROC-Z Convertible shown with stripe and decal delete option (RPO DX3)

All illustrations and specifications in this brochure are based on the latest product information available at the time of publication approval. The right is reserved to make changes at any time, without notice, in colors, materials, specifications and models, and also to discontinue models. Chevrolet Motor Division, General Motors Corporation, Warren, Michigan 48090



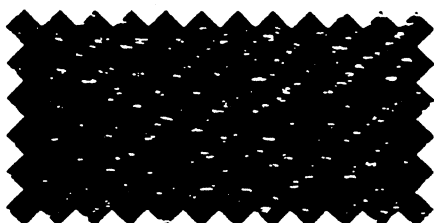
**Refer to Passenger Car Order Guide for option availability and application.**

**CAMARO RS & IROC-Z CLOTH SEATS**

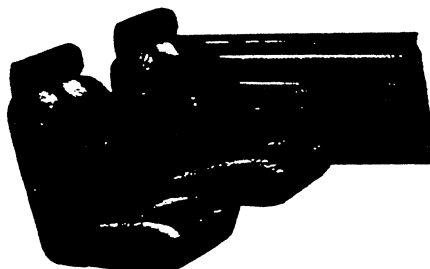
Standard Cloth seat trim available in Black, Light Brown, Gray or Red.



Standard Cloth reclining bucket seats with integral head restraints.

**CAMARO RS & IROC-Z CUSTOM CLOTH SEATS**

Optional Custom Cloth seat trim available in Black, Light Brown, Gray or Red.



Custom Cloth reclining bucket seats with adjustable head restraints.

**CAMARO RS & IROC-Z CUSTOM LEATHER SEATING SURFACES**

Optional Custom Leather seating surfaces available in Light Brown, Gray or Red.



Custom reclining bucket seats with leather seating surfaces and adjustable head restraints.

# CAMARO OPTIONS

11

## ▲ STANDARD

## ■ INCLUDED IN OPTION PACKAGE

## ● INDIVIDUAL OPTION AVAILABILITY

**NOTE:** NOT TO BE USED FOR ORDERING. REFER TO ORDER GUIDE FOR CURRENT USAGE AND AVAILABILITY.

### PACKAGED OPTIONS (Not available individually unless indicated)

	CAMARO RS COUPE			CAMARO RS CONVERTIBLE			CAMARO IROC-Z COUPE			CAMARO IROC-Z CONVERTIBLE		
	PKG. 1	PKG. 2	PKG. 3	PKG. 1	PKG. 2	PKG. 3	PKG. 1	PKG. 2	PKG. 3	PKG. 1	PKG. 2	PKG. 3
Body Side Moldings	■	■	■	■	■	■	■	■	■	■	■	■
Tinted Glass	■	■	■	■	■	■	■	■	■	■	■	■
Auxiliary Lighting	■	■	■	▲	▲	▲	■	■	■	▲	▲	▲
Heavy-Duty Battery (w/o B2L engine)	■	■	■	■	■	■	■	■	■	■	■	■
Air Conditioning	●	■	■	●	■	■	●	■	■	●	■	■
Floor Mats, Front/Rear, Color-Keyed Carpeted		■	■		■	■		■	■		■	■
Electronic Speed Control		■	■		■	■		■	■		■	■
Comfortilt Steering Wheel		■	■		■	■		■	■		■	■
Power Windows			■			■			■			■
Intermittent Wiper System		■	■		■	■		■	■		■	■
Power Door Lock System	●	■	■	●	■	■	●	■	■	●	■	■
Rear Compartment Cover			■						■			
Mirror with Dual Reading Lamps			■	▲	▲	▲			■	▲		
Halogen High- & Low-Beam Headlamps			■			■			■			■
Power Hatch Release	●	●	●					■	■			
Twin Remote Electric Sport Mirrors									■			■
Power Seat (Driver's)									■			■
<b>TIRES/WHEELS</b>												
P245/50ZR-16 Black-Lettered Radials							●	●	●	●	●	●
16" Aluminum Wheels							●	●	●	●	●	●
<b>CLIMATE CONTROL</b>												
Electric Rear Defogger	●	●	●				●	●	●			
Engine Block Heater	●	●	●	●	●	●	●	●	●	●	●	●
<b>RADIO EQUIPMENT</b>												
AM/FM Stereo with Seek and Scan, Cassette, Digital Clock and ERS*		■	■		■	■		■			■	
AM Stereo**/FM Stereo with Seek and Scan, Graphic Equalizer, Cassette, Digital Clock and ERS*	●	●	●	●	●	●	●	●	■	●	●	■
AM/FM Delco/Bose Music System	●	●	●				●	●	●			
<b>ADDITIONAL INDIVIDUAL OPTIONS</b>												
Limited Slip Differential	●	●	●	●	●	●	●	●	●	●	●	●
Front License Plate Bracket	●	●	●	●	●	●	●	●	●	●	●	●
Rear Window Louver	●	●	●				●	●	●			
Deluxe Luggage Compartment Trim	●	●	●				●	●	●			
Black Door Edge Guards	●	●	●	●	●	●	●	●	●	●	●	●
Removable Roof Panels	●	●	●				●	●	●			
Split-Folding Rear Seat-Back (Reqs. Custom Trim)	●	●	●	●	●	●	●	●	●	●	●	●
Performance Axle Ratio							●	●	●			
Power Front & Rear Disc Brakes (Reqs. G92 or B2L)							●	●	●	●	●	●
Engine Oil Cooler (Reqs. G92 or B2L)							●	●	●			
Locking Rear Floor Storage Cover							●	●	●			

Extended Range Sound System \*Requires RPO C60 Air Conditioning \*\*Requires RPO C60 Air Conditioning  
Check with your local stations for compatibility in your area. C-Quam is a registered trademark of Motorola Company

AM stereo broadcasts. Most AM stereo stations across the country broadcast on 1600 kHz. Motorola Company

# CHEVROLET SPECIFICATIONS — 1989 CAMARO

## MODELS

	PASSENGERS
Camaro RS Coupe (1FP87) .....	4
Camaro IROC-Z Coupe (1FP87/Z28) .....	4
Camaro RS Convertible (1FP67) .....	4
Camaro IROC-Z Convertible (1FP67/Z28) .....	4

## DIMENSIONS (inches)

### EXTERIOR

Wheelbase .....	101.0
Length (overall) .....	192.0
Width (overall) .....	72.8
Height (overall) .....	50.3

### INTERIOR

Head Room—Front/Rear .....	Coupe 37.0/35.6	Convertible 37.1/36.1
Shoulder Room—Front/Rear .....	Coupe 57.5/56.3	Convertible 58.6/48.1
Hip Room—Front/Rear .....	Coupe 56.3/42.8	Convertible 52.8/43.9
Leg Room—Front/Rear .....	Coupe 43.0/29.8	Convertible 42.9/28.3

### LUGGAGE/CARGO CAPACITY (cu. ft.)

Cargo Volume	
with Rear Seat Down .....	Coupe 31.0
with Rear Seat Up .....	Coupe 12.4
.....	Convertible 5.2

RATED FUEL TANK CAPACITY (gallons) .....	15.5
--	------

## POWER TEAMS

### STANDARD ENGINES

- Coupe — RPO LB8, 2.8 Liter (173 cu. in.) V6 with Multi-Port Fuel Injection (MPI)
- IROC-Z Coupe and Convertible Models — RPO L03, 5.0 Liter (305 cu. in.) V8 with Electronic Fuel Injection (EFI)

### OPTIONAL ENGINES

- Coupe — RPO L03, 5.0 Liter (305 cu. in.) V8 with Electronic Fuel Injection (EFI)
- IROC-Z — RPO LB9, 5.0 Liter (305 cu. in.) V8 with Tuned-Port Fuel Injection (TPI)
- IROC-Z — RPO B2L, 5.7 Liter (350 cu. in.) V8 with Tuned-Port Fuel Injection (TPI)

## STANDARD EQUIPMENT SUMMARY

- Pass-Key Theft Deterrent System
- 3-Point Safety Belts for Driver and Front and Rear Seat Passenger Positions
- Base-Coat/Clear-Coat Exterior Finish
- Body-Color Dual Sport Mirrors (L.H. Remote Control)
- Full Floor Carpeting
- Center Console
- Electronic Pull-Down Latch for Hatch
- Center High-Mounted Stop Lamp in Spoiler
- All-Season Steel-Belted 15" Raised Black Lettered Tires
- Aluminum 15" x 7" Five-Spoke Wheels
- Power Front Disc/Rear Drum Brakes
- Power Steering with Forward-Mounted Recirculating Ball Steering Gear and Linkage
- Full Coil Suspension System with Computer-Selected Springs
- Front and Rear Stabilizer Bars
- Single Serpentine Belt Accessory Drive on All Engines
- AM/FM Stereo Radio with Seek and Scan and Digital Clock (May be Deleted for Credit)
- Compact Spare Tire
- Energy-Absorbing Front and Rear Bumpers with Body-Color Facias
- Side Window Defoggers

## SEAT STYLES

### STANDARD SEATS

- Cloth Reclining Buckets with Integral Head Restraints

### OPTIONAL SEATS

- Custom Cloth Reclining Bucket Seats with Adjustable Head Restraints
- Custom Reclining Bucket Seats with Leather Seating Surfaces and Adjustable Head Restraints

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Prices Shown Are Manufacturer's Suggested Retail Prices (MSRP) At The Time Of Publication. These Prices Are To Be Used Only As An Aid To Inventory Management Since MSRP Figures Change Periodically. The Vehicle Price Schedule Is The Official Pricing Documentation Of Chevrolet Motor Division And Should Be Used In Discussing Vehicle Prices With Potential Buyers. The Model Prices Shown In The Order Guide Include The Destination Freight Charges.

## COLOR AND TRIM SELECTION

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

Interior Trim Color		Black	Lt Brown	Gray	Red
MODEL	SEAT TYPE				
1FP87	Cloth Bucket .....	CBB2	CEE2	CQQ2	CRR2
	Custom Cloth Bucket .....	FBB2	FEE2	FQQ2	FRR2
	Custom Leather Bucket .....		AEE2	AQQ2	ARR2

## STANDARD STRIPE COMBINATIONS

Exterior Paint Color	Color Code 1	Color Code 2	# Decal Package	# Stripe Color	*Aluminum Wheel Color	Black	Lt Brown	Gray	Red
Black	41	41	Gold	Black/Gold	Gold		•		
Black	41	41	Red	Black/Red	*Silver				•
Black	41	41	Gray	Black/Blue	*Silver	•		•	
Blue, Bright (Met)	98	98	Gold	Black/Gold	Gold		•		
Blue, Bright (Met)	98	98	Gray	Black/Silver	*Silver	•		•	
Red, Bright	81	81	Gold	Black/Gold	Gold		•		
Red, Bright	81	81	Red	Black/Silver	*Silver	•			•
Red, Bright	81	81	Gray	Black/Silver	*Silver			•	
Red, Dk (Met)	74	74	Gold	Black/Gold	Gold	•	•		•
Red, Dk (Met)	74	74	Red	Black/Red	*Silver			•	
White	40	40	Gold	Black/Gold	Gold		•		
White	40	40	Red	Black/Red	*Silver				•
White	40	40	Gray	Silver/Yellow	*Silver	•		•	

\* Aluminum Wheel Color is Gray When N96 is Ordered

# Stripe and Decal May be Deleted. DX3 Must be Specified.

## ✓ POWER TEAMS

ENGINE OPTION CONDITION		AXLE RATIO				
		2.73	2.77	3.08	3.27	3.45
WITH NA5 STANDARD EMISSIONS						
L03 MM5		—	—	Std	—	—
MX0		Std	—	—	—	—
LB9 MM5		—	—	@Std	—	#G92
MX0		@Std	—	—	—	—
B2L MX0		—	%Std	—	#G92	—
WITH YF5 CALIFORNIA EMISSIONS						
L03 MM5		—	—	Std	—	—
MX0		Std	—	—	—	—
LB9 MM5		—	—	@Std	—	<del>—</del>
MX0		@Std	—	—	—	—
B2L MX0		—	%Std	—	#G92	—

%Reqs G80 Axle, J65 Brake.

@Reqs G80 Axle.

#Reqs C60 Air, G80 Axle, J65 Brakes, KC4 Cooler

14,584.00 **Model 1FP87****PREFERRED VEHICLE****MUST ORDER ONE GROUP — NO DELETIONS ALLOWED**

	FZA1	FZA2	FZA3
255.00 Preferred Equipment Group 1 (w/o B2L Eng)			
229.00 Preferred Equipment Group 1 (w/B2L Eng)			
(-1,200.00) Preferred Equipment Group 1 Savings			
Battery, Heavy-Duty (w/o B2L Eng)	x	x	x
Glass, Tinted	x	x	x
Lighting, Auxiliary	x	x	x
Molding, Body Side	x	x	x
1,737.00 Preferred Equipment Group 2 (w/o B2L Eng)			
1,711.00 Preferred Equipment Group 2 (w/B2L Eng)			
(-1,500.00) Preferred Equipment Group 2 Savings			
Air Conditioning		x	x
Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System			
Floor Covering: Carpeted Mats, Color-Keyed Front and Rear		x	N/I
Power Door Lock System		x	x
Power Hatch Release		x	x
Speed Control, Electronic: w/Resume Speed		x	x
Steering Wheel, Comfortilt		x	x
Windshield Wiper System, Intermittent		x	x
2,545.00 Preferred Equipment Group 3 (w/o B2L Eng)			
2,519.00 Preferred Equipment Group 3 (w/B2L Eng)			
(-1,600.00) Preferred Equipment Group 3 Savings			
Cover, Rear Compartment			
Electronically Tuned AM Stereo/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape with Search and Repeat, Graphic Equalizer and Clock w/Extended Range Sound System			x
Headlamps, Halogen, High and Low Beam			x
Mirror w/Dual Reading Lamps			x
Mirrors Sport, Twin Remote Electric			x
Power Seats (Driver's Side Only)			x
Power Windows			x

Base Vehicles may be ordered by specifying Preferred Equipment Group Code FZAB (Incls LH Remote, RH Manual Sport Mirrors, 5.0 Liter EFI V8 Eng, 5-Speed Manual Trans, Aluminum Wheels, Gage Pkg w/Tach, AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System, Halogen Fog-Lamps, RH Visor Mirror, Rear Spoiler, Ride and Handling Suspension, Stowaway Spare Tire and Leather-Wrapped Steering Wheel).

**REGIONALIZED OPTIONS****ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY**

<b>ENGINE (Must Order One)</b>			<b>WHEELS (May Choose One)</b>		
N.C.	L03	5.0 Liter EFI V8	N.C.	---	15" Aluminum (Base)
745.00	LB9	5.0 Liter TPI V8 (Reqs G80 Axle)	468.00	N96	16" Aluminum (Reqs QLC Tires and LB9 Eng and G92 Axle or B2L Eng) (w/D27 Storage Cover Reqs UU8 Radio)
1,045.00	B2L	5.7 Liter TPI V8 (Reqs MX0 Trans, G80 Axle, J65 Brakes and QLC Tires)			
<b>TRANSMISSION (Must Order One)</b>			<b>CLIMATE CONTROL</b>		
N.C.	MM5	5-Speed Manual (N/A B2L Eng)	775.00	C60	Air Conditioning (Incl w/Groups FZA2 and FZA3)
490.00	MX0	4-Speed Automatic	145.00	C49	Defogger, Rear Window: Electric
<b>EMISSION (Must Order One)</b>			20.00	K05	Heater, Engine Block
N.C.	NA5	Standard Emissions			
100.00	YF5	California Emissions			
<b>TIRES (Must Order One)</b>					
N.C.	QYZ	P215/65 R15 B/L (Base) (N/A G92 Axle)			
N.C.	QLC	P245/50 ZR16 B/L (Reqs N96 Wheel) (N/A L03 Eng)			

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## REGIONALIZED OPTIONS

ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY

RADIO EQUIPMENT			INTERIOR TRIM		
V.P.S.	---	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System (Base)	N.C.	C**2	Cloth Bucket
			277.00	F**2	Custom Cloth Bucket
			750.00	A**2	Custom Leather Bucket
V.P.S.	UM6	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System (Incl w/Group FZA2)	100.00	✓	ADDITIONAL OPTIONS
			177.00	G80	Axle, Rear: Limited Slip Differential
				G92	Axle, Performance Ratio (Reqs C60 Air, G80 Axle, J65 Brakes, KC4 Eng Oil Cooler and LB9 Eng w/MM5 or B2L Eng)
V.P.S.	UX1	Electronically Tuned AM Stereo/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape with Search and Repeat, Graphic Equalizer and Digital Clock w/Extended Range Sound System (Incl w/Group FZA3)	179.00	J65	Brakes, Power: Front & Rear Disc (Reqs G92 Axle or B2L Eng)
			110.00	KC4	Cooler, Engine Oil (Reqs G92 Axle)
			80.00	D27	Cover, Locking Rear Floor Storage (Reqs B48 Trim)
V.P.S.	UU8	Delco/Bose Music System Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System (Reqs C60 Air, D27 Storage Cover and B48 Trim)	N.C.	VK3	License Plate Bracket, Front
			210.00	DE1	Louver, Rear Window
			84.00	B48	Luggage Compartment Trim, Deluxe (Reqs Custom Trim)
			91.00	DG7	Mirrors, Sport: Twin Remote Electric (Incl w/Group FZA3)
V.P.S.	U1C	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Compact Disc Player and Digital Clock w/Extended Range Sound System	15.00	B91	Moldings: Door Edge Guards, Black
			145.00	AU3	Power Door Lock System (Incl w/Groups FZA2 and FZA3)
			866.00	CC1	Roof Panels, Removable (Incls Locks) (N/A G92 Axle)
V.P.S.	UL5	Radio Delete (Reqs Group FZAB)	50.00	AM9	Seat Back, Split Folding Rear (Reqs Custom Trim)
70.00	U75	Power Antenna (N/A UL5 Radio Delete)			



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# CAMARO IROC-Z CONVERTIBLE<sup>17</sup>

## COLOR AND TRIM SELECTION

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

Interior Trim Color		Black	Lt Brown	Gray	Red
MODEL	SEAT TYPE				
1FP67	Cloth Bucket .....	CBB2	CEE2	CQQ2	CRR2
	Custom Cloth Bucket .....	FBB2	FEE2	FQQ2	FRR2
	Custom Leather Bucket .....		AEE2	AQQ2	ARR2

## STANDARD STRIPE COMBINATIONS (Convertible Top Color is Black)

Exterior Paint Color	Color Code 1	Color Code 2	# Decal Package	# Stripe Color	*Aluminum Wheel Color	Black	Lt Brown	Gray	Red
Black	41	41	Gold	Black/Gold	Gold		●		
Black	41	41	Red	Black/Red	*Silver				●
Black	41	41	Gray	Black/Blue	*Silver	●		●	
Blue, Bright (Met)	98	98	Gold	Black/Gold	Gold		●		
Blue, Bright (Met)	98	98	Gray	Black/Silver	*Silver	●		●	
Red, Bright	81	81	Gold	Black/Gold	Gold		●		
Red, Bright	81	81	Red	Black/Silver	*Silver	●			●
Red, Bright	81	81	Gray	Black/Silver	*Silver			●	
Red, Dk (Met)	74	74	Gold	Black/Gold	Gold	●	●		●
Red, Dk (Met)	74	74	Red	Black/Red	*Silver			●	
White	40	40	Gold	Black/Gold	Gold		●		
White	40	40	Red	Black/Red	*Silver				●
White	40	40	Gray	Silver/Yellow	*Silver	●		●	

\* Aluminum Wheel Color is Gray When N96 is Ordered  
# Stripe and Decal May be Deleted. DX3 Must be Specified.

## POWER TEAMS

ENGINE OPTION CONDITION		AXLE RATIO	
		2.73	3.08
WITH NA5 STANDARD EMISSIONS			
L03 MM5	—	Std	—
MX0	Std	—	—
LB9 MM5	—	@Std	—
MX0	@Std	—	—
WITH YF5 CALIFORNIA EMISSIONS			
L03 MM5	—	Std	—
MX0	Std	—	—
LB9 MM5	—	@Std	—
MX0	@Std	—	—

@Reqs G80 Axle



## COLOR AND TRIM SELECTION

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

Interior Trim Color		Black	Lt Brown	Gray	Red
MODEL	SEAT TYPE				
1FP87	Cloth Bucket .....	CBB2	CEE2	CQQ2	CRR2
	Custom Cloth Bucket .....	FBB2	FEE2	FQQ2	FRR2
	Custom Leather Bucket .....		AEE2	AQQ2	ARR2

## ✓ STANDARD COMBINATIONS

Exterior Paint Color	Color Code 1	Color Code 2	Aluminum Wheel Color	Black	Lt Brown	Gray	Red
Black	41	41	Black	●	●	●	●
Blue, Bright (Met)	98	98	Silver	●	●	●	
Blue, Lt (Met)	23	23	Silver	●		●	
Gray, Med (Met)	87	87	Silver	●		●	●
Red, Bright	81	81	Bright Red	●	●	●	●
Red, Dk (Met)	74	74	Silver	●	●	●	●
White	40	40	White	●	●	●	●

## POWER TEAMS

ENGINE OPTION CONDITION	AXLE RATIO		
	2.73	3.08	3.42
WITH NAS STANDARD EMISSIONS			
LB8 MM5	—	—	Std
MX0	—	—	Std
L03 MM5	—	Std	—
MX0	Std	—	—
WITH YF5 CALIFORNIA EMISSIONS			
LB8 MM5	—	—	Std
MX0	—	—	Std
L03 MM5	—	Std	—
MX0	Std	—	—

11,934.00 **Model 1FP87****PREFERRED VEHICLE****MUST ORDER ONE GROUP — NO DELETIONS ALLOWED**

	FCA1	FCA2	FCA3
255.00 Preferred Equipment Group 1			
(-1,200.00) Preferred Equipment Group 1 Savings			
Battery, Heavy-Duty	x	x	x
Glass, Tinted	x	x	x
Lighting, Auxiliary	x	x	x
Moldings, Body Side	x	x	x
1,687.00 Preferred Equipment Group 2			
(-1,500.00) Preferred Equipment Group 2 Savings			
Air Conditioning		x	x
Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System			
Floor Covering: Carpeted Mats, Color-Keyed Front and Rear		x	x
Power Door Lock System		x	x
Speed Control, Electronic w/Resume Speed		x	x
Steering Wheel, Comfortilt		x	x
Windshield Wiper System, Intermittent		x	x
2,014.00 Preferred Equipment Group 3			
(-1,600.00) Preferred Equipment Group 3 Savings			
Cover, Rear Compartment			x
Headlamps, Halogen, High and Low Beam			x
Mirror w/Dual Reading Lamps			x
Power Windows			x

Base Vehicles may be ordered by specifying Preferred Equipment Group Code FCAB (Incls LH Remote, RH Manual Sport Mirrors, 2.8 Liter MFI V6 Eng, 5-Speed Manual Trans, 15" Aluminum Wheels, P215/65R15 Blackwall Tires, Gage Pkg w/Tach, AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System and Rear Spoiler).

**REGIONALIZED OPTIONS****ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY**

<b>ENGINE (Must Order One)</b>			V.P.S.	UU8	Delco/Bose Music System, Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System (Reqs C60 Air and B48 Trim)
N.C.	LB8	2.8 Liter MFI V6			
400.00	L03	5.0 Liter EFI V8			
<b>TRANSMISSION (Must Order One)</b>					
N.C.	MM5	5-Speed Manual			
490.00	MX0	4-Speed Automatic			
<b>EMISSION (Must Order One)</b>			V.P.S.	U1C	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Compact Disc Player and Digital Clock w/Extended Range Sound System
N.C.	NA5	Standard Emissions			
100.00	YF5	California Emissions			
<b>TIRES</b>					
N.C.	---	P215/65 R15 B/L (Base)			
<b>WHEELS</b>			V.P.S.	UL5	Radio Delete (Reqs Group FCAB)
N.C.	---	15" Aluminum (Base)	70.00	U75	Power Antenna (N/A UL5 Radio Delete)
<b>CLIMATE CONTROL</b>					<b>INTERIOR TRIM</b>
775.00	C60	Air Conditioning (Incl w/Groups FCA2 and FCA3)	N.C.	C**2	Cloth Bucket
145.00	C49	Defogger, Rear Window: Electric	277.00	F**2	Custom Cloth Bucket
20.00	K05	Heater, Engine Block	750.00	A**2	Custom Leather Bucket
<b>RADIO EQUIPMENT</b>					<b>ADDITIONAL OPTIONS</b>
V.P.S.	---	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System (Base)	100.00	G80	Axle, Rear: Limited Slip Differential (Reqs L03 Eng)
V.P.S.	UM6	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System (Incl w/Groups FCA2 and FCA3)	N.C.	VK3	License Plate Bracket, Front
V.P.S.	UX1	Electronically Tuned AM Stereo/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape with Search and Repeat, Graphic Equalizer and Clock w/Extended Range Sound System	210.00	DE1	Louver, Rear Window
			164.00	B48	Luggage Compartment Trim, Deluxe (Reqs Custom Trim) (Incls Locking Rear Floor Storage Cover)
			91.00	DG7	Mirrors, Sport: Twin Remote Electric
			15.00	B91	Moldings: Door Edge Guards, Black
			145.00	AU3	Power Door Lock System (Incl w/Groups FCA2 and FCA3)
			50.00	A90	Power Hatch Release
			866.00	CC1	Roof Panels, Removable (Incls Locks)
			50.00	AM9	Seat Back, Split Folding Rear (Reqs Custom Trim)

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## COLOR AND TRIM SELECTION

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

Interior Trim Color		Black	Lt Brown	Gray	Red
MODEL	SEAT TYPE				
1FP67	Cloth Bucket .....	CBB2	CEE2	CQQ2	CRR2
	Custom Cloth Bucket .....	FBB2	FEE2	FQQ2	FRR2
	Custom Leather Bucket .....		AEE2	AQQ2	ARR2

## ✓ STANDARD COMBINATIONS (Convertible Top Color is Black)

Exterior Paint Color	Color Code 1	Color Code 2	Aluminum Wheel Color	Black	Lt Brown	Gray	Red
Black	41	41	Black	•	•	•	•
Blue, Bright (Met)	98	98	Silver	•	•	•	
Blue, Lt (Met)	23	23	Silver	•		•	
Gray, Med (Met)	87	87	Silver	•		•	•
Red, Bright	81	81	Bright Red	•	•	•	•
Red, Dk (Met)	74	74	Silver	•	•	•	•
White	40	40	White	•	•	•	•

## POWER TEAMS

ENGINE OPTION CONDITION	AXLE RATIO	
	2.73	3.08
WITH NA5 STANDARD EMISSIONS		
L03 MM5	—	Std
MX0	Std	—
WITH YF5 CALIFORNIA EMISSIONS		
L03 MM5	—	Std
MX0	Std	—

17,434.00 **Model 1FP67****PREFERRED VEHICLE****MUST ORDER ONE GROUP — NO DELETIONS ALLOWED**

	CCA1	CCA2	CCA3
206.00 Preferred Equipment Group 1 (-1,200.00) Preferred Equipment Group 1 Savings			
Battery, Heavy-Duty	x	x	x
Glass, Tinted	x	x	x
Moldings, Body Side	x	x	x
1,638.00 Preferred Equipment Group 2 (-1,500.00) Preferred Equipment Group 2 Savings			
Air Conditioning		x	x
Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System			
Floor Covering: Carpeted Mats, Color-Keyed Front and Rear		x	x
Power Door Lock System		x	x
Speed Control, Electronic: w/Resume Speed		x	x
Steering Wheel, Comfortilt		x	x
Windshield Wiper System, Intermittent		x	x
1,873.00 Preferred Equipment Group 3 (-1,600.00) Preferred Equipment Group 3 Savings			
Headlamps, Halogen, High and Low Beam			x
Power Windows			x

Base Vehicles may be ordered by specifying Preferred Equipment Group Code CCAB (Incls LH Remote, RH Manual Sport Mirrors, 5.0 Liter EFI V8 Eng, 5-Speed Manual Trans, 15" Aluminum Wheels, P215/65R15 Black Lettered Tires, Gage Pkg w/Tach, AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System, Rear Spoiler and Auxiliary Lighting).

**REGIONALIZED OPTIONS****ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY**

<b>ENGINE (Must Order)</b>		V.P.S.	UX1	Electronically Tuned AM Stereo/FM Stereo Radio w/Seek-Scan Stereo Cassette Tape with Search and Repeat, Graphic Equalizer and Clock w/Extended Range Sound System
N.C.	L03 5.0 Liter EFI V8			
<b>TRANSMISSION (Must Order One)</b>		V.P.S.	U1C	Electronically Tuned AM, FM Stereo Radio w/Seek-Scan Compact Disc Player and Digital Clock w/Extended Range Sound System
N.C.	MM5 5-Speed Manual			
490.00	MX0 4-Speed Automatic			
<b>EMISSION (Must Order One)</b>		V.P.S.	UL5	Radio Delete (Reqs Group CCAB)
N.C.	NA5 Standard Emissions			
100.00	YF5 California Emissions	70.00	U75	Power Antenna (N/A UL5 Radio Delete)
<b>TIRES</b>		<b>INTERIOR TRIM</b>		
N.C.	--- P215/65 R15 B/L (Base)	N.C.	C**2	Cloth Bucket
<b>WHEELS</b>		277.00	F**2	Custom Cloth Bucket
N.C.	--- 15" Aluminum (Base)	750.00	A**2	Custom Leather Bucket
<b>CLIMATE CONTROL</b>		<b>ADDITIONAL OPTIONS</b>		
775.00	C60 Air Conditioning (Incl w/Groups CCA2 and CCA3)	100.00	G80	Axle, Rear: Limited Slip Differential
20.00	K05 Heater, Engine Block	N.C.	VK3	License Plate Bracket Front
<b>RADIO EQUIPMENT</b>		91.00	DG7	Mirrors, Sport: Twin Remote Electric
V.P.S.	--- Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System (Base)	15.00	B91	Molding: Door Edge Guards Black
V.P.S.	UM6 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System (Incl w/Groups CCA2 and CCA3)	145.00	AU3	Power Door Lock System (Incl w/Groups CCA2 and CCA3)
		50.00	AM9	Seat Back, Split Folding Rear Reqs Custom Trim)

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## CAMARO

## 1989 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles produced on and after June 30, 1989

Description	Model Number	Body Code	Wheel Base	Dealer Invoice Amount*	Dealer Price	Factory D&H(a)	List Price	Mfr's Suggested Retail Price★	Group Number
♦ 6-Cylinder Engine									
RS Coupe .....	1FP87	—	101*	10265.04	9920.19	N.C.	11495.00	11495.00	4
♦ 8-Cylinder Engine									
RS Convertible .....	1FP67		101*	15176.54	14666.69	N.C.	16995.00	16995.00	4
IROC-Z Coupe .....	1FP87	Z28	101*	12631.49	12207.14	N.C.	14145.00	14145.00	4
IROC-Z Convertible ..	1FP67		101*	16917.89	16349.54	N.C.	18945.00	18945.00	4

★ Manufacturer's Suggested Retail Prices do not include applicable destination charges, state and local taxes, license fees, optional equipment or special items or services.

♦ Refer to Dealer Order Guide for California Requirements.

## OPTIONS WHEN INSTALLED BY GENERAL MOTORS

Prices shown are effective with vehicles produced on and after June 30, 1989

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H(a)	List Price	Mfr's Suggested Retail Price◇
REFER TO ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
<b>RS Coupe Base Equipment Group:</b> Included with model.						
With UM6 Radio. ADD .....	UM6	103.70	100.04	N.A.	122.00	122.00
With UX1 Radio. ADD .....	UX1	231.20	223.04	N.A.	272.00	272.00
With UU8 Radio. ADD .....	UU8	752.25	725.70	N.A.	885.00	885.00
With U1C Radio. ADD .....	U1C	336.60	324.72	N.A.	396.00	396.00
With UL5 Radio Delete. DEDUCT .....	UL5	(-140.25)	(-135.30)	N.A.	(-165.00)	(-165.00)
<b>RS Coupe Preferred Equipment Group 1:</b> Includes:						
Battery, Heavy-Duty						
Glass, Tinted						
Lighting, Auxiliary						
Moldings, Body Side. ....		216.75	209.10	N.A.	255.00	255.00
With UM6 Radio. ADD .....	UM6	103.70	100.04	N.A.	122.00	122.00
With UX1 Radio. ADD .....	UX1	231.20	223.04	N.A.	272.00	272.00
With UU8 Radio. ADD .....	UU8	752.25	725.70	N.A.	885.00	885.00
With U1C Radio. ADD .....	U1C	336.60	324.72	N.A.	396.00	396.00
<b>RS Coupe Preferred Equipment Group 2:</b> Includes:						
Air Conditioning						
Battery, Heavy-Duty						
Door Lock System, Power						
Floor Covering: Carpeted Mats. Front and Rear. Color-Keyed						
Glass, Tinted						
Lighting, Auxiliary						
Moldings, Body Side. ....						
Radio, Electronically Tuned. AM/FM Stereo Radio with Seek and Scan, Stereo Cassette Tape and Digital Clock. Includes extended range sound system						
Speed Control, Electronic. With resume speed						
Steering Wheel, Comfortilt						
Windshield Wiper System. Intermittent .....		1467.95	1416.14	N.A.	1727.00	1727.00
With UX1 Radio. ADD .....	UX1	127.50	123.00	N.A.	150.00	150.00
With UU8 Radio. ADD .....	UU8	648.55	625.66	N.A.	763.00	763.00
With U1C Radio. ADD .....	U1C	232.90	224.68	N.A.	274.00	274.00

- Dealer Invoice Amount includes 3% Holdback Amount retained for dealer's account.
- (a) D & H Charges on vehicle and optional equipment include reimbursement to ordering Division for any tax that it has paid, incurred or agreed to pay thereon.
- State and local taxes not included.

# CAMARO<sup>25</sup>

## OPTIONS WHEN INSTALLED BY GENERAL MOTORS

Prices shown are effective with vehicles produced on and after June 30, 1989

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H(a)	List Price	Mfr's Suggested Retail Price ◇
<b>REFER TO ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION</b>						
<b>RS Coupe Preferred Equipment Group 3:</b> Includes:						
Air Conditioning						
Battery, Heavy-Duty						
Cargo Cover, Rear Compartment						
Door Lock System, Power						
Floor Covering: Carpeted Mats. Front and Rear. Color-Keyed						
Glass, Tinted						
Halogen Headlamps. High and Low Beam						
Lighting, Auxiliary						
Mirror with Dual Reading Lamps						
Moldings, Body Side.						
Radio. Electronically Tuned AM/FM Stereo with Seek and Scan, Stereo Cassette Tape and Digital Clock. Includes extended range sound system						
Speed Control, Electronic. With resume speed						
Steering Wheel, Comfortilt						
Windows, Power						
Windshield Wiper System, Intermittent .....	...	1754.40	1692.48	N.A.	2064.00	2064.00
With UX1 Radio. ADD .....	UX1	127.50	123.00	N.A.	150.00	150.00
With UU8 Radio. ADD .....	UU8	648.55	625.66	N.A.	763.00	763.00
With U1C Radio. ADD .....	U1C	232.90	224.68	N.A.	274.00	274.00
<b>IROC-Z Base Equipment Group:</b> Included with model						
With UM6 Radio. ADD .....	UM6	103.70	100.04	N.A.	122.00	122.00
With UX1 Radio. ADD .....	UX1	231.20	223.04	N.A.	272.00	272.00
With UU8 Radio. ADD .....	UU8	752.25	725.70	N.A.	885.00	885.00
With U1C Radio. ADD .....	U1C	336.60	324.72	N.A.	396.00	396.00
With UL5 Radio Delete. DEDUCT .....	UL5	(-140.25)	(-135.30)	N.A.	(-165.00)	(-165.00)
<b>IROC-Z Preferred Equipment Group 1:</b> Includes:						
Glass, Tinted						
Lighting, Auxiliary						
Moldings, Body Side						
Without B2L 5.7 Liter Engine. Includes Heavy-Duty Battery	...	216.75	209.10	N.A.	255.00	255.00
With B2L 5.7 Liter Engine .....	...	194.65	187.78	N.A.	229.00	229.00
With UM6 Radio. ADD .....	UM6	103.70	100.04	N.A.	122.00	122.00
With UX1 Radio. ADD .....	UX1	231.20	223.04	N.A.	272.00	272.00
With UU8 Radio. ADD .....	UU8	752.25	725.70	N.A.	885.00	885.00
With U1C Radio. ADD .....	U1C	336.60	324.72	N.A.	396.00	396.00
<b>IROC-Z Preferred Equipment Group 2:</b> Includes:						
Air Conditioning						
Door Lock System, Power						
Floor Covering: Carpeted Mats. Front and Rear. Color-Keyed						
Glass, Tinted						
Hatch Release, Power						
Lighting, Auxiliary						
Moldings, Body Side						
Radio. Electronically Tuned AM/FM Stereo Radio with Seek and Scan, Stereo Cassette Tape and Digital Clock. Includes extended range sound system						
Speed Control, Electronic. With resume speed						
Steering Wheel, Comfortilt						
Windshield Wiper System, Intermittent	...	1510.45	1457.14	N.A.	1777.00	1777.00
Without B2L 5.7 Liter Engine. Includes Heavy-Duty Battery	...	1488.35	1435.82	N.A.	1751.00	1751.00
With B2L 5.7 Liter Engine .....	...	127.50	123.00	N.A.	150.00	150.00
With UX1 Radio. ADD .....	UX1	648.55	625.66	N.A.	763.00	763.00
With UU8 Radio. ADD .....	UU8	232.90	224.68	N.A.	274.00	274.00
With U1C Radio. ADD .....	U1C					

\* Dealer Invoice Amount includes 3% Holdback Amount retained for dealer's account.

(a) D & H Charges on vehicle and optional equipment include reimbursement to ordering Division for any tax that it has paid, incurred or agreed to pay thereon.

◇ State and local taxes not included.

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**CAMARO**

**OPTIONS WHEN INSTALLED BY GENERAL MOTORS**  
Prices shown are effective with vehicles produced on and after June 30, 1989

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H(a)	List Price	Mfr's Suggested Retail Price◇
<b>REFER TO ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION</b>						
<b>IROC-Z Preferred Equipment Group 3: Includes:</b>						
Air Conditioning						
Door Lock System, Power						
Cargo Cover, Rear Compartment						
Floor Covering: Carpeted Mats. Front and Rear. Color-Keyed Glass, Tinted						
Halogen Headlamps. High and Low Beam						
Hatch Release, Power						
Lighting, Auxiliary						
Mirror, With Dual Reading Lamps						
Mirrors, Sport. Electric, Twin Remote						
Moldings, Body Side-						
Radio. Electronically Tuned AM Stereo/FM Stereo Radio with Seek and Scan, Stereo Cassette Tape with Search and Repeat, Graphic Equalizer and Digital Clock. Includes extended range sound system.						
Seat, Power. Driver's side only						
Speed Control, Electronic. With resume speed						
Steering Wheel, Comfortilt						
Windows, Power						
Windshield Wiper System. Intermittent						
Without B2L 5.7 Liter Engine. Includes Heavy-Duty Battery	...	2214.25	2136.10	N.A.	2605.00	2605.00
With B2L 5.7 Liter Engine	...	2192.15	2114.78	N.A.	2579.00	2579.00
With UU8 Radio. ADD	UU8	521.05	502.66	N.A.	613.00	613.00
With U1C Radio. ADD	U1C	105.40	101.68	N.A.	124.00	124.00
<b>RS Convertible Base Equipment Group: Included with model.</b>						
With UM6 Radio. ADD	UM6	103.70	100.04	NO ADDITIONAL CHARGE		
With UX1 Radio. ADD	UX1	231.20	223.04	N.A.	272.00	272.00
With U1C Radio. ADD	U1C	336.60	324.72	N.A.	396.00	396.00
With UL5 Radio Delete. DEDUCT	UL5	(-140.25)	(-135.30)	N.A.	(-165.00)	(-165.00)
<b>RS Convertible Preferred Equipment Group 1: Includes:</b>						
Battery, Heavy-Duty						
Glass, Tinted						
Moldings, Body Side						
With UM6 Radio. ADD	UM6	175.10	168.92	N.A.	206.00	206.00
With UX1 Radio. ADD	UX1	103.70	100.04	N.A.	122.00	122.00
With U1C Radio. ADD	U1C	231.20	223.04	N.A.	272.00	272.00
With U1C Radio. ADD	U1C	336.60	324.72	N.A.	396.00	396.00
<b>RS Convertible Preferred Equipment Group 2: Includes:</b>						
Air Conditioning						
Battery, Heavy-Duty						
Door Lock System, Power						
Floor Covering: Carpeted Mats. Front and Rear. Color-Keyed Glass, Tinted						
Moldings, Body Side						
Radio. Electronically Tuned AM/FM Stereo Radio with Seek and Scan, Stereo Cassette Tape and Digital Clock. Includes extended range sound system						
Speed Control, Electronic. With resume speed						
Steering Wheel, Comfortilt						
Windshield Wiper System. Intermittent						
With UX1 Radio. ADD	UX1	1426.30	1375.96	N.A.	1678.00	1678.00
With U1C Radio. ADD	U1C	127.50	123.00	N.A.	150.00	150.00
With U1C Radio. ADD	U1C	232.90	224.68	N.A.	274.00	274.00

\* Dealer Invoice Amount includes 3% Holdback Amount retained for dealer's account.

(a) D & H Charges on vehicle and optional equipment include reimbursement to ordering Division for any tax that it has paid, incurred or agreed to pay thereon.

◇ State and local taxes not included.

# CAMARO

## OPTIONS WHEN INSTALLED BY GENERAL MOTORS

Prices shown are effective with vehicles produced on and after June 30, 1989

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H(a)	List Price	Mfr's Suggested Retail Price◇
<b>REFER TO ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION</b>						
<b>RS Convertible Preferred Equipment Group 3:</b>						
Includes:						
Air Conditioning						
Battery, Heavy-Duty						
Door Lock System, Power						
Floor Covering: Carpeted Mats. Front and Rear. Color-Keyed						
Glass, Tinted						
Halogen Headlamps. High and Low Beam						
Moldings, Body Side						
Radio. Electronically Tuned AM/FM Stereo Radio with Seek and Scan, Stereo Cassette Tape and Digital Clock. Includes extended range sound system						
Speed Control, Electronic. With resume speed						
Steering Wheel, Comfortilt						
Windows, Power						
Windshield Wiper System. Intermittent	...	1634.55	1576.86	N.A.	1923.00	1923.00
With UX1 Radio. ADD	UX1	127.50	123.00	N.A.	150.00	150.00
With U1C Radio. ADD	U1C	232.90	224.68	N.A.	274.00	274.00
<b>IROC-Z Convertible Base Equipment Group:</b>						
Included with model						
NO ADDITIONAL CHARGE						
With UM6 Radio. ADD	UM6	103.70	100.04	N.A.	122.00	122.00
With UX1 Radio. ADD	UX1	231.20	223.04	N.A.	272.00	272.00
With U1C Radio. ADD	U1C	336.60	324.72	N.A.	396.00	396.00
With UL5 Radio. Delete. DEDUCT	UL5	(-140.25)	(-135.30)	N.A.	(-165.00)	(-165.00)
<b>IROC-Z Convertible Preferred Equipment Group 1:</b>						
Includes:						
Battery, Heavy-Duty						
Glass, Tinted						
Moldings, Body Side						
With UM6 Radio. ADD	UM6	175.10	168.92	N.A.	206.00	206.00
With UX1 Radio. ADD	UX1	103.70	100.04	N.A.	122.00	122.00
With U1C Radio. ADD	U1C	231.20	223.04	N.A.	272.00	272.00
With U1C Radio. ADD	U1C	336.60	324.72	N.A.	396.00	396.00
<b>IROC-Z Convertible Preferred Equipment Group 2:</b>						
Includes:						
Air Conditioning						
Battery, Heavy-Duty						
Door Lock System, Power						
Floor Covering: Carpeted Mats. Front and Rear. Color-Keyed						
Glass, Tinted						
Moldings, Body Side						
Radio. Electronically Tuned AM/FM Stereo Radio with Seek and Scan, Stereo Cassette Tape and Digital Clock. Includes extended range sound system						
Speed Control, Electronic. With resume speed						
Steering Wheel, Comfortilt						
Windshield Wiper System. Intermittent	...	1426.30	1375.96	N.A.	1678.00	1678.00
With UX1 Radio. ADD	UX1	127.50	123.00	N.A.	150.00	150.00
With U1C Radio. ADD	U1C	232.90	224.68	N.A.	274.00	274.00

\* Dealer Invoice Amount includes 3% Holdback Amount retained for dealer's account.

(a) D & H Charges on vehicle and optional equipment include reimbursement to ordering Division for any tax that it has paid, incurred or agreed to pay thereon.

◇ State and local taxes not included.

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## OPTIONS WHEN INSTALLED BY GENERAL MOTORS

Prices shown are effective with vehicles produced on and after June 30, 1989

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H(a)	List Price	Mfr's Suggested Retail Price◇
<b>REFER TO ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION</b>						
<b>IROC-Z Convertible Preferred Equipment Group</b>						
<b>3: Includes:</b>						
Air Conditioning						
Battery, Heavy-Duty						
Door Lock System, Power						
Floor Covering: Carpeted Mats, Front and Rear, Color-Keyed Glass, Tinted						
Halogen Headlamps, High and Low Beam						
Mirrors, Sport, Electric, Twin Remote						
Moldings, Body Side						
Radio, Electronically Tuned AM Stereo/FM Stereo Radio with Seek and Scan, Stereo Cassette Tape with Search and Repeat, Graphic Equalizer and Digital Clock. Includes extended range sound system.						
Seat, Power, Driver Side only						
Speed Control, Electronic, With resume speed						
Steering Wheel, Comfortilt						
Windows, Power						
Windshield Wiper System, Intermittent	...	2051.90	1979.48	N.A.	2414.00	2414.00
With U1C Radio, ADD	U1C	105.40	101.68	N.A.	124.00	124.00
<b>Interior Trim:</b>						
C**2 Cloth Bucket Seats	...	...	...	NO ADDITIONAL CHARGE		
F**2 Custom Cloth Bucket Seats	...	235.45	227.14	N.A.	277.00	277.00
A**2 Custom Leather Bucket Seats	...	637.50	615.00	N.A.	750.00	750.00
<b>Exterior Color: Paint, Solid</b>						
NO ADDITIONAL CHARGE						
<b>Engines:</b> (Refer to Order Guide for Emission System Requirements)						
2.8 Liter M.F.I. V6, Standard on RS Coupe	LB8	...	...	NO ADDITIONAL CHARGE		
5.0 Liter T.P.I. V8	LB9	633.25	610.90	N.A.	745.00	745.00
5.0 Liter E.F.I. V8, Standard on Convertibles and IROC-Z Coupe	L03	340.00	328.00	N.A.	400.00	400.00
5.7 Liter T.P.I. V8	B2L	888.25	856.90	N.A.	1045.00	1045.00
<b>Air Conditioning:</b> Includes increased cooling	C60	675.75	651.90	N.A.	795.00	795.00
<b>Axles, Rear:</b>						
Limited Slip Differential	G80	85.00	82.00	N.A.	100.00	100.00
Performance Ratio, Includes Dual Exhaust	G92	150.45	145.14	N.A.	177.00	177.00
<b>Bracket, Front License Plate</b>						
VK3 NO ADDITIONAL CHARGE						
<b>Brakes, Power:</b> Front and rear disc	J65	152.15	146.78	N.A.	179.00	179.00
<b>Cooling System: Engine Oil</b>	KC4	93.50	90.20	N.A.	110.00	110.00
<b>Cover, Locking Rear Storage:</b> Included with B48						
Deluxe Luggage Compartment Trim on RS Coupe only	D27	68.00	65.60	N.A.	80.00	80.00
<b>Decal and Stripe Delete</b>						
DX3 (-51.00) (-49.20) N.A. (-60.00) (-60.00)						
<b>Defogger, Rear Window: Electric</b>	C49	127.50	123.00	N.A.	150.00	150.00
<b>Door Lock System, Power: Electric</b>	AU3	131.75	127.10	N.A.	155.00	155.00
<b>Emission Systems:</b>						
California Emission Requirements, Includes all testing, equipment and/or certification necessary for registration in the State of California	YF5	85.00	82.00	N.A.	100.00	100.00
Standard Emission Equipment	NA5	...	...	NO ADDITIONAL CHARGE		
<b>Hatch Release, Power</b>	A90	42.50	41.00	N.A.	50.00	50.00
<b>Heater, Engine Block</b>	K05	17.00	16.40	N.A.	20.00	20.00
<b>Louvers, Rear Window</b>	DE1	178.50	172.20	N.A.	210.00	210.00
<b>Luggage Compartment, Trim, Deluxe:</b>						
RS Coupe only, Also includes D27 Locking Rear Compartment Storage Cover	B48	139.40	134.48	N.A.	164.00	164.00
IROC-Z Coupe only	B48	71.40	68.88	N.A.	84.00	84.00
<b>Mirrors, Sport, Twin Remote: Electric</b>	DG7	77.35	74.62	N.A.	91.00	91.00

\* Dealer Invoice Amount includes 3% Holdback Amount retained for dealer's account.

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◇ State and local taxes not included.

# CAMARO

## OPTIONS WHEN INSTALLED BY GENERAL MOTORS

Prices shown are effective with vehicles produced on and after June 30, 1989

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H(a)	List Price	Mfr's Suggested Retail Price◇
REFER TO ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
<b>Moldings:</b> Door Edge Guards. Black .....	B91	12.75	12.30	N.A.	15.00	15.00
<b>Radio Equipment:</b> All stereo radios include extended range sound system.						
Electronically Tuned AM Stereo/FM Stereo Radio with Seek and Scan, Stereo Cassette Tape with Search and Repeat, Graphic Equalizer and Digital Clock. ....	UX1					
Electronically Tuned AM/FM Stereo Radio with Seek and Scan, Stereo Cassette Tape and Digital Clock. ....	UM6					
Electronically Tuned Delco/Bose Music System. Includes AM/FM Stereo Radio with Seek and Scan, Stereo Cassette Tape and Digital Clock, special tone and balance control and four speakers .....	UU8					
Electronically Tuned AM/FM Stereo Radio with Seek and Scan, Compact Disc Player and Digital Clock .....	U1C					
Radio Delete .....	UL5					
Antenna, Power .....	U75	59.50	57.40	N.A.	70.00	70.00
<b>Roof Panels:</b> Removable Glass. Includes locks. ....	CC1	736.10	710.12	N.A.	866.00	866.00
<b>Seat Back:</b> Split. Folding Rear .....	AM9	42.50	41.00	N.A.	50.00	50.00
<b>Tires:</b>						
P215/65R15 Steel Belted Radial Ply Blackwall .....	QYZ					
<b>Transmissions:</b>						
5-Speed Manual .....	MM5					
Automatic with Overdrive .....	MX0	437.75	422.30	N.A.	515.00	515.00
<b>Wheel Trim:</b>						
Wheels, Aluminum Cast. 16". Includes wheel locks and P245/50 VR 16 Steel Belted Radial Ply Blackwall Tires ..	N96	442.00	426.40	N.A.	520.00	520.00

**For specific radio pricing, please refer to radio information included with each preferred equipment group.**

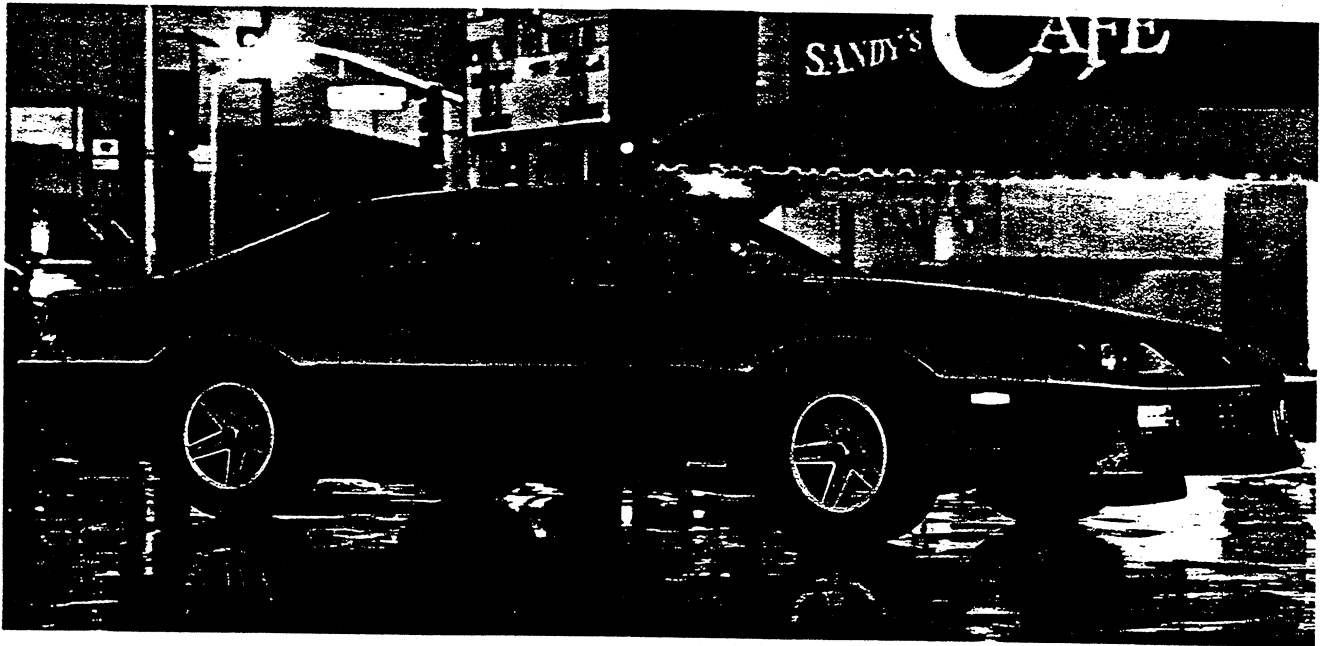
\* Dealer Invoice Amount includes 3% Holdback Amount retained for dealer's account.

(a) D & H Charges on vehicle and optional equipment include reimbursement to ordering Division for any tax that it has paid, incurred or agreed to pay thereon.

◇ State and local taxes not included.

# CAMARO<sup>®</sup>

1989 CHEVROLET<sup>®</sup>



THE *Heartbeat* OF AMERICA  TODAY'S CHEVROLET<sup>™</sup>

# C A M A R O

*The 2 + 2 legend that can make you look good,  
even when it's standing still.*

A sporty RS model joins an even hotter IROC-Z on the Camaro performance team for 1989. Four Camaros are available: RS Coupe, RS Convertible, IROC-Z Coupe, and IROC-Z Convertible.

New features on all Camaros include a retuned suspension, increased corrosion protection and the PASS-Key™ (Personal Automotive Security System) theft deterrent system.

**Camaro RS.** RS, now the lowest-priced Camaro, makes a bold design statement with IROC-inspired body-color lower aero panels, new P215 65R-15 all-season Touring tires on Z28-style cast-aluminum wheels, rear spoiler and special "RS" identification.

The RS also features a sport suspension, quick-ratio power steering, gage package with tachometer and 2.8 Liter V6 with Multi-Port Fuel Injection. A 5.0 Liter V8 with EFI is optional.

**Camaro IROC-Z.** IROC-Z is an American performance legend. A 5.0 Liter V8 with EFI is standard; a 5.0 Liter V8 with Tuned-Port Fuel Injection is optional. But IROC's big gun is a 5.7 Liter V8 with TPI, delivering 230 HP at 4400 RPM.

Fast-ratio power steering, larger stabilizer bars front and rear, and grippy 15" Eagle GT tires are all part of the competition-proven suspension. For the ultimate in IROC-Z appearance, 16" aluminum wheels and Eagle unidirectional tires are optional.



*Camaro IROC-Z Coupe with optional removable roof panels  
and 16" cast-aluminum wheels.*



*Camaro RS interior.*

*Shown on cover: Camaro RS Coupe.*



# MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

# 1989

Manufacturer	Chevrolet Motor Division General Motors Corporation		Vehicle Line
Mailing Address	Chevrolet-Pontiac-Canada Group Engineering Center General Motors Corporation 30003 Van Dyke Warren, MI 48090-9060		CAMARO
		Issued June, 1988	Revised September, 1988

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 Motor Vehicle Manufacturers Association of the United States, Inc.

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.



Motor Vehicle Manufacturers Association  
of the United States, Inc.

Blank Forms Provided by Technical Affairs Division



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**NOTE:**

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



**MVMA Specifications Form****METRIC (U.S. Customary)**Vehicle Line CAMAROModel Year 1989 Issued 6-88 Revised (e) 9-88☒ **Vehicle Origin**

Design & development (company)	<u>Chevrolet-Pontiac-GM of Canada Engineering</u>
Where built (country)	<u>U.S.A.</u>
Authorized U.S. sales marketing representative	<u>Chevrolet Motor Division</u>

☒ **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)
<u>RALLY SPORT</u>				
2-Door Coupe (RWD)		1FP87	4 (2/2)	45.4 (100.1)
<u>RALLY SPORT</u>				
2-Door Convertible (RWD)		1FP67	4 (2/2)	N/A
N/A = Not Available				

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) 9-88

**Power Teams** (Indicate whether standard or optional)

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

SERIES AVAILABILITY	ENGINE						E x h a u s t S/D*	TRANSMISSION/ TRANSAXLE	AXLE RATIO (std. first)
	Code	Displ. Liters (in³)	Induction (FI, CARB/ BBL, etc.)	Compr. Ratio	SAE Net at RPM				
					Power kW (bhp)	Torque N·m (lb. ft.)			
Base - All Except IROC-Z	LB8	V6 2.8 (173)	MFI **	8.9:1	101 (135) @ 4900	217 (160) @ 3900	S	Man. 5-Spd. (MB1) Base Auto '700-R4 (MD8) Avail	3.42 3.42
Avail - All Except IROC-Z	L03	V8 5.0 (305)	EFI ***	9.3:1	127 (170) @ 4400	346 (255) @ 2400	S	Man. 5-Spd. (M39) Base Auto '700-R4' (MD8) Avail	3.08 2.73
Base - IROC-Z	LB9	V8 5.0 (305)	TPI @	9.3:1	164 (220) @ 4400	393 (290) @ 3200	S	Man. 5-Spd. (M39) Base	3.08
Avail - IROC-Z					145 (195) @ 4000	400 (295) @ 2800	S	Auto '700-R4' (MD8) Avail	2.73
					172 (230) @ 4600	407 (300) @ 3200	D	Man. 5-Spd. (MK6) Avail	3.45
Avail - IROC-Z					172 (230) @ 4400	447 (330) @ 3200	S	Auto '700-R4' (MD8) Base	2.77
					179 (240) @ 4400	468 (345) @ 3200	D	Auto '700-R4' (MD8) Avail	3.27
** - Multi-Port Fuel Injection *** - Electronic Fuel Injection @ - Tuned Port Fuel Injection									

\* Single / Dual

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) 61

Engine Description/Carb.  
Engine Code

5.0 Liter V8 (305 CID)  
(Electronic Fuel Injection) RPO 103

## ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)	90°V Front Longitudinal
Manufacturer	Chevrolet
No. of cylinders	8
Bore	94.89 (3.74)
Stroke	88.39 (3.48)
Bore spacing (C/L to C/L)	111.8 (4.40)
Cylinder block material & mass kg (lbs.) (machined)	Cast alloy iron 68.674 (151.4)
Cylinder block deck height	229.4 (9.025)
Cylinder block length	512.8 (20.19)
Deck clearance (minimum) (above or below block)	.635 (.025) below
Cylinder head material & mass kg (lbs.)	Cast alloy iron 19.800 (43.7)
Cylinder head volume (cm³)	--
Cylinder liner material	Not Applicable
Head gasket thickness (compressed)	.533 (.021)
Minimum combustion chamber total volume (cm³)	55.2 (+/- 2.2)
Cyl. no. system (front to rear)*	L. Bank 1-3-5-7 R. Bank 2-4-6-8
Firing order	1-8-4-3-6-5-7-2
Intake manifold material & mass (kg (lbs.))**	Cast aluminum/6.900 (15.2)
Exhaust manifold material & mass (kg (lbs.))**	Cast iron 4.345 (9.6) L.H., 3.800 (8.4) R.H.
Fuel required unleaded, diesel, etc.	Unleaded
Fuel antiknock index (R + M) + 2	87
Engine mounts	Number
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)
	Added isolation (sub-frame, crossmember, etc.)
Total dressed engine mass (wt) dry***	275.1 (606.5) Auto. 290.8 (641.1) Man.

### Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum .645 (1.4)
--	------------------------

### Engine - Camshaft

Location	In block above crankshaft
Material & mass kg (weight, lbs.)	Steel 4.124 (9.1)
Drive type	Chain / belt
	Chain
	Width / pitch
	15.976 (6.25) / .5

\* 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 Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Engine Description/Carb.  
Engine Code

2.8 Liter V6 (173 CID)  
(2.8 Multi Port FI) RPO 1B8

## ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)	60°V - Front - Longitudinal	
Manufacturer	Chevrolet	
No. of cylinders	6	
Bore	89.0 (3.50)	
Stroke	76.0 (2.99)	
Bore spacing (C/L to C/L)	111.8 (4.40)	
Cylinder block material & mass kg (lbs.) (machined)	Cast iron 41.731 (91.9)	
Cylinder block deck height	224 (8.82)	
Cylinder block length	435.5 (17.1)	
Deck clearance (minimum) (above or below block)	0.12 (.0047) Below	
Cylinder head material & mass kg (lbs.)	Cast iron 11.227 (24.8)	
Cylinder head volume (cm³)	--	
Cylinder liner material	Not Applicable	
Head gasket thickness (compressed)	.838 (.033)	
Minimum combustion chamber total volume (cm³)	51.546 (2.029)@	
Cyl. no. system (front to rear)*	L Bank	1-3-5
	R Bank	2-4-6
Firing order	1-2-3-4-5-6	
Intake manifold material & mass (kg (lbs.))**	Cast aluminum/2.370 (5.1) ctr, 3.810 (8.4) lwr	
Exhaust manifold material & mass (kg (lbs.))**	Cast Iron/3.610 (8.0) RH, 2.425 (5.3) LH	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) + 2	87	
Engine mounts	Number	
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	
	Added isolation (sub-frame, crossmember, etc.)	
Total dressed engine mass (wt) dry***	195.7 (431.4) Auto, 206.9 (456.1) Man	

## Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum alloy/.467 (1.0)
--	---------------------------

## Engine - Camshaft

Location	In block above crankshaft
Material & mass kg (weight, lbs.)	Cast iron/3.098 (6.83)
Drive type	Chain / belt
	Chain
	Width / pitch
	19.4/60.9

\* 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:

Ø - Piston at TDC, spark plug and valves in place, and cylinder head torques to specifications.

\*\* All those items necessary to make engine a complete ready-to-run unit.



# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Engine Description/Carb.  
Engine Code

5.0 Liter V8 (305 CID)  
(Tuned Port Fuel Injection) RPO 1R9

## ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)	90°V Front Longitudinal
Manufacturer	Chevrolet
No. of cylinders	8
Bore	94.89 (3.74)
Stroke	88.39 (3.48)
Bore spacing (C/L to C/L)	111.8 (4.40)
Cylinder block material & mass kg (lbs.) (machined)	Cast Iron/68.674 (151.4)
Cylinder block deck height	229 (9.025)
Cylinder block length	512.8 (20.19)
Deck clearance (minimum) (above or below block)	.635 (.025) below
Cylinder head material & mass kg (lbs.)	Cast Iron/19.800 (43.7)
Cylinder head volume (cm³)	--
Cylinder liner material	Not Applicable
Head gasket thickness (compressed)	.533 (.021)
Minimum combustion chamber total volume (cm³)	55.2 (+/- 2.2)
Cyl. no. system (front to rear)*	L. Bank 1-3-5-7 R. Bank 2-4-6-8
Firing order	1-8-4-3-6-5-7-2
Intake manifold material & mass [kg (lbs.)]**	Cast Aluminum/6.117 (13.5)
Exhaust manifold material & mass [kg (lbs.)]**	Cast Iron/L.H. 4.460 (9.8), R.H. 3.800 (8.4)
Fuel required unleaded, diesel, etc.	Unleaded
Fuel antiknock index (R + M) + 2	91
Engine mounts	Number
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)
	Added isolation (sub-frame, crossmember, etc.)
Total dressed engine mass (wt) dry***	282.4 (622.6) Auto. 297.9 (656.7) Man.

## Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum/ 645 (1.4)
--	---------------------

## Engine - Camshaft

Location	In block above crankshaft
Material & mass kg (weight, lbs.)	Steel 4.200 (9.3)
Drive type	Chain / belt
	Chain
	Width / pitch
	15.976 (.625)/ 5

\* 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 engine a complete ready-to-run unit.

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989

Issued 6-88

Revised (e) \_\_\_\_\_

Engine Description/Carb.  
Engine Code

5.7 Liter V8 (350 CID)

Tuned Port Fuel Injection (TPI) RPO 198

## ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)	<u>90°V</u> <u>Front</u> <u>Longitudinal</u>
Manufacturer	<u>Chevrolet</u>
No. of cylinders	<u>8</u>
Bore	<u>101.6 (4.00)</u>
Stroke	<u>88.4 (3.48)</u>
Bore spacing (C/L to C/L)	<u>111.8 (4.40)</u>
Cylinder block material & mass kg (lbs.) (machined)	<u>Cast Iron/68.674 (151.5)</u>
Cylinder block deck height	<u>229.2 (9.025)</u>
Cylinder block length	<u>506.2 (19.93)</u>
Deck clearance (minimum) (above or below block)	<u>.025 below</u>
Cylinder head material & mass kg (lbs.)	<u>Cast Iron/19.800 (43.7)</u>
Cylinder head volume (cm³)	<u>--</u>
Cylinder liner material	<u>Not Applicable</u>
Head gasket thickness (compressed)	<u>.021</u>
Minimum combustion chamber total volume (cm³)	<u>75.47</u> Combustion chamber with piston at top dead center and all components in place torqued to specifications.
Cyl. no. system (front to rear)*	L. Bank <u>1-3-5-7</u> R. Bank <u>2-4-6-8</u>
Firing order	<u>1-8-4-3-6-5-7-2</u>
Intake manifold material & mass [kg (lbs.)]**	<u>Cast Aluminum/6.117 (13.5)</u>
Exhaust manifold material & mass [kg (lbs.)]**	<u>Iron 4.460 (9.8) L.H., 3.800 (8.4) R.H.</u>
Fuel required unleaded, diesel, etc.	<u>Unleaded</u>
Fuel antiknock index (R + M) + 2	<u>91</u>
Engine mounts	Number _____
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.) _____
	Added isolation (sub-frame, crossmember, etc.) _____
Total dressed engine mass (wt) dry***	<u>284.5 (627.3) auto.</u>

## Engine - Pistons

Material & mass, g (weight, oz.) - piston only	<u>Impacted cast aluminum, .645 (1.4)</u>
--	---

## Engine - Camshaft

Location	<u>In cylinder block "V" above crankshaft</u>
Material & mass kg (weight, lbs.)	<u>Steel 4.200 (9.3)</u>
Drive type	<u>Chain</u>
Width / pitch	<u>15.976 (.625)/.5</u>

\* 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 engine a complete ready-to-run unit.

# MVMA Specifications Form

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) 9-88

## METRIC (U.S. Customary)

Engine Description/Carb.  
Engine Code

2.8 Liter V6 (173 CID)  
(2.8 Multi-Port FI) RPO LB8

### Engine - Valve System

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

### Engine - Connecting Rods

Material & mass [kg., (weight, lbs.)]*	Steel .399 (0.9)
Length (axes to axes) mm	144.78

### Engine - Crankshaft

Material & mass [kg., (weight, lbs.)]*	Nodular cast iron 14.170 (31.24)
End thrust taken by bearing (no.)	3
Length & number of main bearings	4
Seal (material, one, two piece design, etc.)	Front
	Fluoroelastomer, one-piece, lip seal
	Rear
	Fluoroelastomer, one-piece, lip seal

### Engine - Lubrication System

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

### Engine - Diesel Information

Diesel engine manufacturer	Not
Glow plug, current drain at 0°F	Applicable
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

Turbo charger - manufacturer	Not
Super charger - manufacturer	Applicable
Intercooler	

\*Finished State

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989

Issued 6-88

Revised (e) 9-88

Engine Description/Carb.  
Engine Code

5.0 Liter V8 (305 CID)  
(Electronic Fuel Injection) RPO 103

## Engine - Valve System

Hydraulic lifters (std., opt., NA)	Standard
Valves	Number intake / exhaust
	8/8
	Head O.D. intake / exhaust
	46.74 (1.84)/38.10 (1.50)

## Engine - Connecting Rods

Material & mass [kg., (weight, lbs.)]*	Steel/.388 (0.85)
Length (axes to axle) mm	144.78

## Engine - Crankshaft

Material & mass [kg., (weight, lbs.)]*	Nodular cast iron/23.360 (51.50)
End thrust taken by bearing (no.)	5
Length & number of main bearings	5
Seal (material, one, two piece design, etc.)	Front
	Fluoroelastomer, one-piece, lip seal
	Rear
	Fluoroelastomer, one-piece, lip seal

## Engine - Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	345-448 (50-65) @ 2000
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full-flow
Capacity of c/case, less filter-refill-L (qt.)	4.5 (5.0)

## Engine - Diesel Information

Diesel engine manufacturer	Not
Glow plug, current drain at 0°F	Applicable
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

Turbo charger - manufacturer	Not
Super charger - manufacturer	Applicable
Intercooler	

\*Finished State

**MVMA Specifications Form**Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (•) 9-88**METRIC (U.S. Customary)**Engine Description/Carb.  
Engine Code5.0 Liter V8 (305 CID)  
(Tuned Port Fuel Injection) RPO LB9**Engine - Valve System**

Hydraulic lifters (std., opt., NA)	Standard
Valves	Number intake / exhaust
	8/8
	Head O.D. intake / exhaust
	46.74 (1.84), 38.10 (1.50)

**Engine - Connecting Rods**

Material & mass [kg., (weight, lbs.)]*	Steel/.388 (0.85)
Length (axes E to E) mm	144.78

**Engine - Crankshaft**

Material & mass [kg., (weight, lbs.)]*	Nodular Cast Iron/23.360 (51.50)
End thrust taken by bearing (no.)	5
Length & number of main bearings	5
Seal (material, one, two piece design, etc.)	Front
	Rear
	Fluoroelastomer, one-piece, lip seal
	Fluoroelastomer, one-piece, lip seal

**Engine - Lubrication System**

Normal oil pressure [kPa (psi) at engine rpm]	345-450 (50-65) @ 2000 with Auto. Trans., *
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full-flow
Capacity of c/case, less filter-refill-L (qt.)	4.5 (5.0)

**Engine - Diesel Information**

Diesel engine manufacturer	Not
Glow plug, current drain at 0°F	Applicable
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**

Turbo charger - manufacturer	Not
Super charger - manufacturer	Applicable
Intercooler	

\*Finished State

\* 485-585 (70-85) @ 2000 with Manual Transmission

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line **CAMARO**  
Model Year **1989** Issued **6-88** Revised (e) **9-88**

Engine Description/Carb.  
Engine Code

**5.7 Liter V8 (350 CID)  
Tuned Port Fuel Injection (TPI) RPO L98**

## Engine - Valve System

Hydraulic lifters (std., opt., NA)	Standard
Valves	Number intake / exhaust 8/8
	Head O.D. intake / exhaust 49.28 (1.94)/38.10 (1.50)

## Engine - Connecting Rods

Material & mass [kg., (weight, lbs.)]*	Steel - .388 (0.85)
Length (axes $\perp$ to $\perp$ ) mm	144.78

## Engine - Crankshaft

Material & mass [kg., (weight, lbs.)]*	Nodular Cast Iron - 23.360 (51.5)
End thrust taken by bearing (no.)	5
Length & number of main bearings	5
Seal (material, one, two piece design, etc.)	Front Fluoroelastomer, one-piece, lip seal
	Rear Fluoroelastomer, one-piece, lip seal

## Engine - Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	485-585 (70-85) @ 2000
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full-flow (including engine oil cooler)
Capacity of c/case, less filter-refill-L (qt.)	4.5 (5.0)

## Engine - Diesel Information

Diesel engine manufacturer	Not
Glow plug, current drain at 0°F	Applicable
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

Turbo charger - manufacturer	Not
Super charger - manufacturer	Applicable
Intercooler	

\*Finished State

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Engine Description/Carb.  
Engine Code

2.8 Liter V6 (173 CID)  
(2.8 Multi-Port FI) RPO LB8

## Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (radi., bottle)		Bottle, coolant recovery
Radiator cap relief valve pressure (kPa (psi))		103.4 (15)
Circulation thermostat	Type (choke, bypass)	Bypass
	Starts to open at °C (°F)	91°C (195°F)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	15.5
	Number of pumps	One
	Drive (V-belt, other)	Single belt poly 'V' accessory drive (serpentine)
	Bearing type	Sealed ball-roller
	Impeller material	Cast Iron
	Housing material	Aluminum
By-pass recirculation (type (inter.. ext.))		Internal
Cooling system capacity	With heater—L(qt.)	12.18 (12.87) Auto, 12.28 (12.98) Man.
	With air cond.—L(qt.)	12.20 (12.89) Auto, 12.10 (12.79) Man.
	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	Aut Std. A/C
	Type (cross-flow, etc.)	Cross-flow
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube
	Material, mass (kg (wt. lbs.))	Aluminum, high efficiency radiator
	Width	599.5 599.5
	Height	437.8 437.8
	Thickness	23.5 23.5
	Fins per inch @	4.0 3.0
Radiator end tank material		Plastic
Fan	Std., elec., opt.	Standard, Electric
	Number of blades & type (flex, solid, material)	5, Plastic solid
	Diameter & projected width	423.0 (16.7)
	Ratio (fan to crankshaft rev.)	Not available
	Fan cutout type	ECM controlled
	Drive type (direct, remote)	--
	RPM at idle (elec.)	--
	Motor rating (wattage) (elec.)	150
	Motor switch (type & location) (elec.)	Part ECM
	Switch point (temp., pressure) (elec.)	1900-2100
	Fan shroud (material)	Plastic

@ - Distance between top of fins.

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line **CAMARO**  
Model Year **1989** Issued **6-88** Revised (e)

Engine Description/Carb.  
Engine Code

**5.0 Liter V8 (305 CID)  
(Electronic Fuel Injection) RPO L03**

## Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle, coolant recovery
Radiator cap relief valve pressure (kPa (psi))		103.4 (15)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	90.6°C (195°F)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	14 (total cooling system flow)
	Number of pumps	One
	Drive (V-belt, other)	Single belt poly 'V' accessory drive (serpentine)
	Bearing type	Sealed double row ball
	Impeller material	Steel
	Housing material	Cast Iron
By-pass recirculation [type (inter., ext.)]		Internal
Cooling system capacity	With heater-L(qt.)	15.52 (16.40)
	With air cond.-L(qt.)	15.90 (16.80)
	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	Std. A/C or HD AC & HD
	Type (cross-flow, etc.)	Cross flow
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube
	Material, mass (kg (wgt. lbs.))	Aluminum, high efficiency radiator
	Width	667.5 667.5
	Height	437.8 437.8
	Thickness	23.5 23.5
	Fins per inch @	* 2.5
Radiator end tank material		Plastic
Fan	Std., elec., opt.	Std. Opt.
	Number of blades & type (flex, solid, material)	5, Plastic, solid 5, Plastic, solid
	Diameter & projected width	423.0 (16.7) 423.0 (16.7)
	Ratio (fan to crankshaft rev.)	Not Applicable
	Fan cutout type	ECM controlled
	Drive type (direct, remote)	--
	RPM at idle (elec.)	--
	Motor rating (wattage) (elec.)	150
	Motor switch (type & location) (elec.)	Temp switch engine cylinder head
	Switch point (temp., pressure) (elec.)	1900-2100
	Fan shroud (material)	Plastic

- @ - Distance between top of fins.  
\* - 4.0 with manual trans.  
3.5 with auto. trans.



# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line **CAMARO**

Model Year **1989**

Issued **6-88**

Revised (e)

Engine Description/Carb.  
Engine Code

5.0 LTR V8(305 CID) RPO LB9 | 5.7 LTR V8(350 CID) RPO L98  
Tuned Port Fuel Injection | Tuned Port Fuel Injection

## Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle, coolant recovery
Radiator cap relief valve pressure [kPa (psi)]		103.4 (15)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	90.6°C (195°F)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	12 (Total cooling system flow)
	Number of pumps	One
	Drive (V-belt, other)	Single belt poly 'V' accessory drive (serpentine)*
	Bearing type	Sealed double row ball
	Impeller material	Steel
	Housing material	Cast Iron
By-pass recirculation [type (inter., ext.)]		Internal
Cooling system capacity	With heater-L(qt.)	16.78 (17.7)
	With air cond.-L(qt.)	16.28 (17.2)
	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.)	Fin & Tube
	Material, mass [kg (wgt. lbs.)]	Aluminum, high efficiency radiator
	Width	667.5
	Height	437.8
	Thickness	34.0
Fins per inch @		2.5
Radiator end tank material		Plastic
Fan	Std., elec., opt.	Standard A/C
	Number of blades & type (flex, solid, material)	5, plastic, solid
	Diameter & projected width	423.0 (16.7) - 2 fans 318.0 (12.5) - 2 fans
	Ratio (fan to crankshaft rev.)	Not Applicable
	Fan cutout type	ECM controlled
	Drive type (direct, remote)	--
	RPM at idle (elec.)	--
	Motor rating (wattage) (elec.)	150 RT & LT
	Motor switch (type & location) (elec.)	Temp. switch engine cylinder head
	Switch point (temp., pressure) (elec.)	2100-2200 RT & LT
	Fan shroud (material)	Plastic Plastic

@ - Distance between top of fins.

\* - 21.36mm (0.84") wide, 5.20mm (0.20") thick with uniform dynamic tensioner.

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989

Issued

6-88

Revised (e)

Engine Description/Carb.  
Engine Code

2.8 Liter V6 (173 CID)  
(2.8 Multi-Port FI) RPO 1B8

## Engine - Fuel System

(See supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		Rochester Products
Carburetor no. of barrels		None
Idle A/F mix.		Preset - No adjustment provided
Fuel injection	Point of injection (no.)	Fuel injection at inlet ports
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	ECM
	System pressure (kPa (psi))	300 (45)
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	--
	Automatic	
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water
Air cleaner type		Dual Elements
Fuel filter (type / location)		--
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng.. tank)	Fuel Tank
	Pressure range (kPa (psi))	350 (50.8)
	Flow rate at regulated pressure (L (gal) / hr @ kPa (psi))	

## Fuel Tank

Capacity (refill L (gallons))		58.7 (15.5)
Location (describe)		Rear center
Attachment		Underbody strap
Material & Mass (kg (weight lbs))		Steel 8.579 (18.9)
Filler pipe	Location & material	Left rear quarter
	Connection to tank	Solder
Fuel line (material)		Steel
Fuel hose (material)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel
Extended range tank	Opt., n.a.	Not Available
	Capacity (L (gallons))	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.a.	Not Available
	Capacity (L (gallons))	"
	Location & material	"
	Attachment	"
	Selector switch or valve	"
	Separate fill	"

# MVMA Specifications Form

METRIC (U.S. Customary)

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Vehicle Line **CAMARO**

Model Year **1989**

Issued **6-88**

Revised (e)

Engine Description/Carb.  
Engine Code

**5.0 Liter V8 (305 CID)  
(Electronic Fuel Injection) RPO L03**

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

Induction type: carburetor, fuel injection system, etc.		<b>Fuel Injection</b>
Manufacturer		<b>Rochester Products</b>
<input checked="" type="checkbox"/> Carburetor no. of barrels		<b>None</b>
Idle A/F mix		<b>Preset - no adjustment provided</b>
Fuel injection	Point of injection (no.)	<b>Fuel injection at inlet ports</b>
	Constant, pulse, flow	<b>Pulse</b>
	Control (electronic, mech.)	<b>ECM</b>
	System pressure (kPa (psi))	
Idle spd -rpm (spec. neutral or drive and propane if used)	Manual	<b>--</b>
	Automatic	<b>--</b>
Intake manifold heat control (exhaust or water thermostatic or fixed)		
Air cleaner type		<b>Replaceable element, single snorkel</b>
Fuel filter (type / location)		
<input checked="" type="checkbox"/> Fuel pump	Type (elec. or mech.)	<b>Electric</b>
	Location (eng., tank)	<b>Fuel tank</b>
	Pressure range (kPa (psi))	<b>14.5-31.0 (2.1-4.5)</b>
	Flow rate at regulated pressure (L (gal) / hr @ kPa (psi))	

## Fuel Tank

Capacity (refill L (gallons))		<b>58.7 (15.5)</b>
Location (describe)		<b>Rear center</b>
Attachment		<b>Underbody strap</b>
Material & Mass (kg (weight lbs))		<b>Steel 8.765 (19.3)</b>
Filler pipe	Location & material	<b>Left rear quarter</b>
	Connection to tank	<b>Solder</b>
Fuel line (material)		<b>Steel</b>
Fuel hose (material)		<b>Rubber</b>
Return line (material)		<b>Steel</b>
Vapor line (material)		<b>Steel</b>
Extended range tank	Opt., n.a.	<b>Not Available</b>
	Capacity (L (gallons))	<b>"</b>
	Location & material	<b>"</b>
	Attachment	<b>"</b>
Auxiliary tank	Opt., n.a.	<b>"</b>
	Capacity (L (gallons))	<b>"</b>
	Location & material	<b>"</b>
	Attachment	<b>"</b>
	Selector switch or valve	<b>"</b>
	Separate fill	<b>"</b>

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989

Issued 6-88

Revised (e)

Engine Description/Carb.  
Engine Code

5.0 Liter V8 (305 CID)  
(Tuned Port Fuel Injection) RPO LB9

## Engine - Fuel System

(See supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		Bosch
Carburetor no. of barrels		None
Idle A/F mix.		Preset - no adjustment provided
Fuel injection	Point of injection (no.)	Fuel injection at inlet ports
	Constant pulse flow	Pulse
	Control (electronic, mech.)	ECM
	System pressure (kPa (psi))	300 (44)
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	--
	Automatic	--
Intake manifold heat control (exhaust or water thermostatic or fixed)		
Air cleaner type		Replaceable dual elements
Fuel filter (type / location)		
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel Tank
	Pressure range (kPa (psi))	350 (50.8)
	Flow rate at regulated pressure (L (gal.) / hr @ kPa (psi))	

## Fuel Tank

Capacity (refill L (gallons))		58.7 (15.5)
Location (describe)		Rear center
Attachment		Underbody strap
Material & Mass (kg (weight lbs))		Steel 8.579 (18.9)
Filler pipe	Location & material	Left rear quarter
	Connection to tank	Solder
Fuel line (material)		Steel
Fuel hose (material)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel
Extended range tank	Opt., n.a.	Not Available
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.a.	"
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
	Selector switch or valve	"
	Separate fill	"

# MVMA Specifications Form

Vehicle Line 74 CAMARO  
Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

METRIC (U.S. Customary)

Engine Description/Carb.  
Engine Code

5.7 Liter V8 (350 CID)  
Tuned Port Fuel Injection (TPI) RPO L98

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

Induction type: carburetor, fuel injection system, etc.		TPI - Tuned Port Fuel Injection
Manufacturer		Bosch
<input checked="" type="checkbox"/> Carburetor no. of barrels		None
Idle A/F mix.		Preset - no adjustment provided
Fuel injection	Point of injection (no.)	Fuel injectors at inlet ports
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic - on board computer
	System pressure (kPa (psi))	255 (37)
Idle spd. -rpm (spec. neutral or drive and propane if used)	Manual	--
	Automatic	--
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water, thermostat
Air cleaner type		Replaceable paper dual element
Fuel filter (type / location)		
<input checked="" type="checkbox"/> Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel tank
	Pressure range (kPa (psi))	350 (50.8)
	Flow rate at regulated pressure (L (gal) / hr @ kPa (psi))	

## Fuel Tank

Capacity (refill L (gallons))		58.7 (15.5)
Location (describe)		Rear center
Attachment		Underbody strap
Material & Mass (kg (weight lbs))		Steel 8.579 (18.9)
Fuel pipe	Location & material	Left rear quarter
	Connection to tank	Solder
Fuel line (material)		Steel
Fuel hose (material)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel
Extended range tank	Opt., n.a.	Not Available
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.a.	"
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
	Selector switch or valve	"
	Separate fill	"

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line 75 CAMARO  
Model Year 1989 Issued 6-88 Revised (e) 9-88

Engine Description/Carb.  
Engine Code

2.8 Liter V6 (173 CID)  
(2.8 Multi Port FI) RPO 1B8

## Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Computer Command Control
	Air Injection	Pump or pulse	Pump - manual transmission only
		Driven by	Belt
		Air distribution (head, manifold, etc.)	Exhaust Manifold
		Point of entry	Exhaust Manifold
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Back Pressure Modulated Controlled Flow
		Exhaust source Point of exhaust injection (spacer, carburetor, manifold, other)	Manifold Exhaust Crossover
	Catalytic Converter	Type	Inlet Manifold
		Number of	Single Bed, Oxidizing & Reducing
		Location(s)	One
		Volume (L (in <sup>3</sup> ))	Beneath RE underbody
		Substrate type	2.78 (170)
		Noble metal type	Monolith
		Noble metal concentration (g/cm <sup>3</sup> )	Platinum/Rhodium
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		0.000838
	Energy source (manifold vacuum, carburetor, other)		Induction system
	Discharges (to intake manifold, other)		Manifold vacuum
	Air inlet (breather cap, other)		Inlet manifold
			Air Inlet Duct
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	--
Electronic system	Vapor storage provision		Canister
	Closed loop (yes/no)	Yes	
	Open loop (yes/no)	No	

## Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single with dual tailpipes
Muffler no. & type (reverse flow, straight thru, **separate resonator) Material & Mass [kg (weight lbs)]		One, Reverse flow
Resonator no. & type		*(See below)
Exhaust pipe	Branch o.d., wall thickness	@(See below)
	Main o.d., wall thickness	Stainless Steel
	Material & Mass [kg (weight lbs)]	63.5 X 1.58 (2.5 X 0.06)
Inter-mediate pipe	o.d. & wall thickness	Aluminum coated steel
	Material & Mass [kg (weight lbs)]	57.15 x 1.09 (2.25 x 0.04)
Tail pipe	o.d. & wall thickness	Aluminum coated steel
	Material & Mass [kg (weight lbs)]	Aluminum coated steel 3.231 (7.1)

- \* Outer Pipe 57.15X1.02 (2.25 x 0.04), Inner Pipe 50.08x0.086 (2.0x.003)\*  
(2.5 (0.1) air gap between pipes).  
@ Outer Pipe 63.5x1.02 (2.5x0.04), Inner Pipe 57.15x0.086 (2.25x0.003)  
(2.15 (0.08) air gap between pipes.  
\*\* Muffler & Tail Pipe Unit 7.620 (16.8)

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) 9-88

Engine Description/Carb.  
Engine Code

5.0 Liter V8 (305 CID)  
(Electronic Fuel Injection) RPO 103

## Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air injection with Computer Command Control
	Air Injection	Pump or pulse	Vane Pump
		Driven by	V-Belt
		Air distribution (head, manifold, etc.)	Exhaust manifold and catalytic converter
		Point of entry	Exhaust manifold
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Back Pressure Modulated
		Exhaust source	Manifold Exhaust Crossover
	Catalytic Converter	Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet Manifold
		Type	Dual Bed, Oxidizing & Reducing
		Number of	One
		Location(s)	Beneath RE underbody
		Volume [L (in <sup>3</sup> )]	2.78 (170)
		Substrate type	Monolith
		Noble metal type	Platinum/Palladium/Rhodium
	Noble metal concentration (g/cm <sup>3</sup> )	0.001096	
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)		Throttle body
	Air inlet (breather cap, other)		Air Cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	Canister
	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 with dual tailpipes
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass (kg (weight lbs))		One, Reverse flow
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	(a)
	Main o.d., wall thickness	(b)
	Material & Mass (kg (weight lbs))	(See Notes) 5.069 (11.2)
* Intermediate pipe	o.d. & wall thickness	57.15 x 1.14 (2.25) x .045
	Material & Mass (kg (weight lbs))	Aluminum coated steel
* Tail pipe	o.d. & wall thickness	63.5 x 1.07 (2.5 x 0.042)
	Material & Mass (kg (weight lbs))	Aluminum coated steel

SEE ATTACHED NOTES

# MVMA Specifications Form

METRIC (U.S. Customary)

SUPPLEMENTAL PAGE

Vehicle Line CAMARO

Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

## NOTES:

- (a) Left hand branch - Stainless steel; outer 57.15 x 1.02 (2.25 x 0.04), inner 50.8 x 0.86 (2.0 x 0.003) with 2.155 (0.085) air gap between pipes.  
Right hand branch - Laminated; stainless steel outer tube, 50.8 x 0.86 (2.0 x 0.003), with steel inner tube.
- (b) Stainless steel; outer 63.5 x 1.02 (2.5 x 0.04), inner 57.15 x 0.86 (2.25 x 0.003) with 2.155 (0.085) air gap between pipes).
- \* Muffler & tail pipe unit 8.732 (19.3)



# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989 Issued 6-88 Revised (e) 9-88

Engine Description/Carb.  
Engine Code

5.0 LTR V8(305 CID) RPO LB9  
(Tuned Port Fuel Injection) | 5.7 LTR V8(350 CID) RPO L98  
(Tuned Port Fuel Injection)

## Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air injection w/computer command control
	Air Injection	Pump or pulse	Air pump
		Driven by	Belt
		Air distribution (head, manifold, etc.)	Exhaust manifold and catalytic converter
		Point of entry	Exhaust manifold
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Back Pressure Modulated Controlled Flow
		Exhaust source Point of exhaust injection (spacer, carburetor, manifold, other)	Manifold Inlet Manifold
	Catalytic Converter	Type	Dual bed, Oxidizing & Reducing
		Number of	One
		Location(s)	Beneath RF underbody
		Volume [L (in <sup>3</sup> )]	2.78 (170)
		Substrate type	Monolith
		Noble metal type	Platinum/Palladium/Rhodium
		Noble metal concentration (g/cm <sup>3</sup> )	0.001096
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)		Throttle Body
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	--
Electronic system	Vapor storage provision		Canister
	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

## Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single with dual tailpipes
Muffler no. & type (reverse flow, straight thru, *separate resonator) Material & Mass (kg (weight lbs))		One, Reverse flow
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	(a)
	Main o.d., wall thickness	(b)
	Material & Mass (kg (weight lbs))	(See Notes) 6.124 (13.5)
*Intermediate pipe	o.d. & wall thickness	69.85 x 1.40 (2.75 x 0.05)
	Material & Mass (kg (weight lbs))	Aluminum coated steel
*Tail pipe	o.d. & wall thickness	63.5 x 1.07 (2.25 x .04)
	Material & Mass (kg (weight lbs))	Aluminum coated steel

- (a) Laminated - Stainless steel outer pipe, 63.5 x 1.016 (2.5 x 0.04), steel inner pipe.  
 (b) Laminated - Stainless steel outer pipe, 76.2 x 1.016 (3.0 x 0.04), steel inner pipe.  
 \* Muffler & tail pipe unit 8.845 (19.5).

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989

Issued 6-88

Revised (e)

Engine Description/Carb.  
Engine Code

2.8 Liter V6 (173 CID)  
Multi-Port FI RPO LB8

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

Manual 3-speed (manufacturer/country)	Not Available
Manual 4-speed (manufacturer/country)	Not Available
Manual 5-speed (manufacturer/country)	Standard
Automatic (manufacturer/country)	Optional
Automatic overdrive (manufacturer/country)	Optional

## Manual Transmission/Transaxle (MBI)

Number of forward speeds	5
Gear ratios	1st 4.03
	2nd 2.37
	3rd 1.50
	4th 1.00
	5th 0.76
	Reverse 3.76
Synchronous meshing (specify gears)	All forward gears
Shift lever location	Floor
Trans. case mat'l. & mass kg (lbs)*	Aluminum
Lubricant	Capacity [L (pt.)] 3.25l (6.87 pts.)
	Type recommended Dextron II

## Clutch (Manual Transmission)

Clutch manufacturer	Belleville
Clutch type (dry, wet; single, multiple disc)	Dry disc
Linkage (hydraulic, cable, rod, lever, other)	Hydraulic
Max. pedal effort (nom. spring load, new) N (lbs)	Depressed 130n
	Released
Assist (spring, power/percent, nominal)	None
Type pressure plate springs	Diaphragm
Total spring load (nominal, new) N (lbs)	5750 (1293)
Clutch facing	Facing mfg. & material coding Valeo/F202
	Facing material & construction Non-asbestos
	Rivets per facing 16
	Outside x inside dia. (nominal) 232.0 x 155.0 (9.125 x 6.125)
	Total eff. area [cm <sup>2</sup> (in. <sup>2</sup> )] 234.0 (36.28)
	Thickness (pressure plate side/ fly wheel side) 3.2/3.2
	Rivet depth (pressure plate side/ fly wheel side) 1.1 mm
	Engagement cushion method Driven plate wave spoke springs
Release bearing type & method lub.	Self centering angular contact ball bearing pre-packed and sealed
Torsional damping method, springs, hysteresis	Coil springs with non-metal friction control

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

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989

Issued 6-88

Revised (e)

Engine Description/Carb.  
Engine Code

5.0 Liter V8 (305 CID)  
(Electronic Fuel Injection) RPO 103

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

Manual 3-speed (manufacturer/country)	Not Available
Manual 4-speed (manufacturer/country)	Not Available
Manual 5-speed (manufacturer/country)	Standard
Automatic (manufacturer/country)	Optional
Automatic overdrive (manufacturer/country)	Optional

## Manual Transmission/Transaxle (M39)

Number of forward speeds		5
Gear ratios	1st	2.95
	2nd	1.94
	3rd	1.34
	4th	1.00
	5th	0.63
	Reverse	2.76
Synchronous meshing (specify gears)		All forward gears
Shift lever location		Floor
Trans. case mat'l. & mass kg (lbs)*		Aluminum
Lubricant	Capacity [L (pt.)]	3.25l (6.87 pts.)
	Type recommended	

## Clutch (Manual Transmission)

Clutch manufacturer	Belleville	
Clutch type (dry, wet; single, multiple disc)	Dry disc	
Linkage (hydraulic, cable, rod, lever, other)	Hydraulic	
Max. pedal effort (nom. spring load, new) N (lbs)	Depressed	150N
	Released	
Assist (spring, power/percent, nominal)	None	
Type pressure plate springs	Diaphragm	
Total spring load (nominal, new) N (lbs)	7750 (1742)	
Clutch facings	Facing matgr. & material coding	Valen/F202
	Facing material & construction	Non-ashbestos
	Rivets per facing	18
	Outside x inside dia. (nominal)	254.0 x 165.0 (10.0 x 6.5)
	Total eff. area (cm <sup>2</sup> (in. <sup>2</sup> ))	293.0 (45.43)
	Thickness (pressure plate side / fly wheel side)	3.45/3.45
	Rivet depth (pressure plate side / fly wheel side)	1.1 mm
	Engagement cushion method	Driven plate wave spoke springs
Release bearing type & method lub.	Self centering angular contact ball bearing pre-packed and sealed	
Torsional damping method, springs, hysteresis	Coil springs with non-metal friction control	

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

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Engine Description/Carb.  
Engine Code

5.0 Liter V8 (305 CID)  
(Tuned Port Fuel Injection) RPO LB9

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

Manual 3-speed (manufacturer/country)	Not Available
Manual 4-speed (manufacturer/country)	Not Available
Manual 5-speed (manufacturer/country)	Standard
Automatic (manufacturer/country)	Optional
Automatic overdrive (manufacturer/country)	Optional

## Manual Transmission/Transaxle

(M39)

(MK6)

Number of forward speeds		5	5
Gear ratios	1st	2.95	2.75
	2nd	1.94	1.94
	3rd	1.34	1.34
	4th	1.00	1.00
	5th	0.63	0.74
	Reverse	2.76	2.76
Synchronous meshing (specify gears)		All forward gears	
Shift lever location		Floor	
Trans. case mat'l. & mass kg (lbs)*		Aluminum	
Lubricant	Capacity (L (pt.))	3.25L (6.8/ pts.)	
	Type recommended	5W-30	

## Clutch (Manual Transmission)

Clutch manufacturer		Belleville
Clutch type (dry, wet; single, multiple disc)		Dry disc
Linkage (hydraulic, cable, rod, lever, other)		Hydraulic
Max. pedal effort (nom. spring load, new) N (lbs)	Depressed	150n
	Released	
Assist (spring, power/percent, nominal)		None
Type pressure plate springs		Diaphragm
Total spring load (nominal, new) N (lbs)		7750 (1742)
Clutch facing	Facing mfg. & material coding	Valeo/F202
	Facing material & construction	Non-asbestos
	Rivets per facing	18
	Outside x inside dia. (nominal)	267.0 x 165.0 (10.5 x 6.5)
	Total eff. area [cm <sup>2</sup> (in. <sup>2</sup> )]	346.0 (53.6)
	Thickness (pressure plate side/ fly wheel side)	3.45/3.45
	Rivet depth (pressure plate side/ fly wheel side)	1.1 mm
	Engagement cushion method	Driven plate wave spoke springs
Release bearing type & method lub.		Self centering angular contact ball bearing pre-packed and sealed
Torsional damping method, springs, hysteresis		Coil springs with non-metal friction control

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

# MVMA Specifications Form

Vehicle Line CAMARO

Model Year 1989

Issued 6-88

Revised (e) \_\_\_\_\_

METRIC (U.S. Customary)

Engine Description/Carb.  
Engine Code

5.7 Liter V8 (305 CID)  
(Tuned Port Fuel Injection) RPO 198

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

Manual 3-speed (manufacturer/country)	Not Available
Manual 4-speed (manufacturer/country)	" "
Manual 5-speed (manufacturer/country)	" "
Automatic (manufacturer/country)	Standard
Automatic overdrive (manufacturer/country)	Standard

## Manual Transmission/Transaxle

Number of forward speeds		
Gear ratios	1st	
	2nd	
	3rd	
	4th	Not
	5th	Available
	Reverse	
Synchronous meshing (specify gears)		
Shift lever location		
Trans. case mat'l. & mass kg (lbs)*		
Lubricant	Capacity [L (pt.)]	
	Type recommended	

## Clutch (Manual Transmission)

Clutch manufacturer		
Clutch type (dry, wet; single, multiple disc)		
Linkage (hydraulic, cable, rod, lever, other)		Not
Max. pedal effort (nom. spring load, new) N (lbs)	Depressed	Available
	Released	
Assist (spring, power/percent, nominal)		
Type pressure plate springs		
Total spring load (nominal, new) 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 Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989

Issued 6-88

Revised (e)

Engine Description/Carb.  
Engine Code

2.8 Liter V6 (173 CID)  
(2.8 Multi Port FI) RPO LB8

## Automatic Transmission/Transaxle

Trade name		4-Speed Automatic
Type and special features (describe)		Torque converter with clutch 700-R4
Selector	Location	On floor console
	Ltr./No. designation	P-R-N- D -D-2-1
Gear ratios	1st	3.06
	2nd	1.63
	3rd	1.00*
	4th	0.70*
	Reverse	2.29
Max. upshift speed - drive range [km/h (mph)]		1-2=61(38), 2-3=111(69)
Max. lockdown speed - drive range [km/h (mph)]		3-2=105(65), 2-1=50(31)
Min. overdrive speed [km/h (mph)]		72 (45)
Torque converter	Number of elements	3
	Max. ratio at stall	2.35
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 (9.65)
Lubricant	Capacity [refill L (pt.)]	4.5L (9.5 pts.)
	Type Recommended	GM Dexron II
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard, integral with radiator
Transmission case material & mass kg (lbs)**		Aluminum 71.7 (158.1)

\* Torque converter clutch in 3rd & 4th gears.

## Axle or Front Wheel Drive Unit

Type (front, rear)		Rear
Description		Semi-floating axle, overhung hypoid drive pinion and ring gear
Limited slip differential (type)		Not Available
Drive pinion offset		1.50
Drive pinion (type)		Hypoid gear
No. of differential pinions		Two
Pinion / differential adjustment (shim, other)		Shim
Pinion / differential bearing adjustment (shim, other)		Collapsible Sleeve
Driving wheel bearing (type)		Roller bearing
Lubricant	Capacity [L (pt.)]	1.66
	Type recommended	GL-5 Gear Lubricant

## Axle or Transaxle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage.)

Axle ratio (or overall top gear ratio)		3.42
No. of teeth	Pinion	41
	Ring gear or gear	12
Ring gear o.d.		194 (7.625)
Transaxle	Transfer gear ratio	Not Applicable
	Final drive ratio	" "

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

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

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line 84 CAMARO  
Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Engine Description/Carb.  
Engine Code

5.0 Liter V8 (305 CID)  
(Electronic Fuel Injection) RPO 103

## Automatic Transmission/Transaxle

Trade name		4-speed Automatic
Type and special features (describe)		Torque converter with clutch 700-R4
Selector	Location	On floor console
	Ltr./No. designation	P-R-N- D -D-2-1
Gear ratios	1st	3.06
	2nd	1.63*
	3rd	1.00*
	4th	0.70*
	Reverse	2.29
Max. upshift speed - drive range (km/h (mph))		1-2=59(37), 2-3=113(70)
Max. kickdown speed - drive range (km/h (mph))		3-2=106(66), 2-1=42 (26)
Min. overdrive speed (km/h (mph))		58 (36)
Torque converter	Number of elements	3
	Max. ratio at stall	1.91
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
	Capacity factor "K"	
Lubricant	Capacity (refill L (pt.))	4.5L (9.5 pts.)
	Type Recommended	GM Dexron II
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard integral with radiator
Transmission case material & mass kg (lbs)**		Aluminum 71.1 (158.1)

## Axle or Front Wheel Drive Unit

\*Torque converter clutch in 2nd, 3rd & 4th gears.

Type (front, rear)		Rear
Description		Semi-floating axle, overhung hypoid drive pinion and rear gear
Limited slip differential (type)		Not Available
Drive pinion offset		1.50
Drive pinion (type)		Hypoid gear
No. of differential pinions		Two
Pinion / differential adjustment (shim, other)		Shim
Pinion / differential bearing adjustment (shim, other)		Collapsible Spacer
Driving wheel bearing (type)		Straight roller bearing
Lubricant	Capacity (L (pt.))	1.66
	Type recommended	GL-5 Gear Lubricant

## Axle or Transaxle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage.)

Manual Trans.

Auto. Trans.

Axle ratio (or overall top gear ratio)		3.08	2.73
No. of teeth	Pinion	40	41
	Ring gear or gear	13	15
Ring gear o.d.		194 (7.625)	194 (7.625)
Transaxle	Transfer gear ratio	Not Applicable	
	Final drive ratio	" "	

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

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

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Engine Description/Carb.  
Engine Code

5.0 LTR V8 (305 CID) RPO LB9  
(Tuned Port Fuel Injection)

5.7 LTR V8 (350 CID) RPO L98  
(Tuned Port Fuel Injection)

## Automatic Transmission/Transaxle

Trade name		4-speed Automatic
Type and special features (describe)		Torque converter with clutch 700-R4
Selector	Location	On floor console
	Ltr./No. designation	P-R-N- D -D-2-1
Gear ratios	1st	3.06
	2nd	1.63*
	3rd	1.00*
	4th	0.70*
	Reverse	2.29
Max. upshift speed - drive range (km/h (mph))		1-2=66(41), 2-3=122(76) 1-2=55(34), 2-3=105(65)
Max. kickdown speed - drive range (km/h (mph))		3-2=116(72), 2-1=55(34) 3-2=88(55), 2-1=32(20)
Min. overdrive speed (km/h (mph))		66 (41) 58 (36)
Torque converter	Number of elements	3
	Max. ratio at stall	2.15 1.91
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
	Capacity factor "K"	
Lubricant	Capacity (refill L (pt.))	4.5L (9.5 pts.)
	Type Recommended	GM Dexron II
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard integral with radiator
Transmission case material & mass kg (lbs)**		Aluminum 71.1 (158.1)

\*Torque converter clutch in 2nd, 3rd, & 4th gears.

## Axle or Front Wheel Drive Unit

Type (front, rear)		Rear
Description		Semi-floating axle, overhung hypoid drive pinion and rear gear
Limited slip differential (type)		Cone clutch
Drive pinion offset		1.50
Drive pinion (type)		Hypoid gear
No. of differential pinions		Two*, Four@
Pinion / differential adjustment (shim, other)		Shim
Pinion / differential bearing adjustment (shim, other)		Collapsible spacer
Driving wheel bearing (type)		Straight roller bearing*, tapered roller bearing @
Lubricant	Capacity (L (pt.))	1.66
	Type recommended	GL-5 Gear Lubricant

## Axle or Transaxle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage.)

Axle ratio (or overall top gear ratio)		3.23	3.08	2.73	3.45
No. of teeth	Pinion	42	40	41	38
	Ring gear or gear	13	13	15	11
Ring gear o.d.		194 (7.625)		197 (7.75)	
Transaxle	Transfer gear ratio	Not Applicable			
	Final drive ratio	" "			

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

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

\* - 2.73 and 3.23 axles.  
@ - 3.27 and 3.45 axles.



# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Body Type And/Or  
Engine Displacement

All Models

## Ø Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not avail.	Not Applicable
	Manual/automatic control	" "
	Type (air/hydraulic)	" "
	Primary/assist spring	" "
	Rear only/4 wheel leveling	" "
	Single/dual rate spring	" "
	Single/dual ride heights	" "
Shock absorber damping controls	Provision for jacking	Jacking provisions on rocker panels
	Standard/option/not avail.	Not Applicable
	Manual/automatic control	" "
	Number of damping rates	" "
	Type of actuation (manual/electric motor/air, etc.)	" "
	s e n s o r s	Lateral acceleration
		Deceleration
		Acceleration
		Road surface
Shock absorber (front & rear)	Type	Direct, double acting, hydraulic (a)
	Make	Delco
	Piston diameter	54mm (2.125 in) front; 25 (1.0) rear
	Rod diameter	25mm (1.0 in) front; 13.49mm (0.53) rear

(a) - Delco Bilstein rear shock absorbers on IROC-Z

## Ø Suspension - Front

Type and description		Independent w/coil springs, modified MacPherson strut
Travel*	Full jounce	75.0 mm (2.95 in)
	Full rebound	104.0 mm (4.90 in)
Spring	Type (coil, leaf, other) & material	Coil, steel alloy
	Insulators (type & material)	Rubber (top)
	Size (coil design height & i.d., bar length x dia.)	250 x 103.0; 2490 x 15 mm, base (10.2 x 4.06; 98 x .59 in)
	Spring rate [N/mm (lb./in.)]	Sport Coupe 64.0 (365.0), IROC-Z 96.0 (548.0)
Stabilizer	Rate at wheel [N/mm (lb./in.)]	Sport Coupe 17.7 (101.0), IROC-Z 25.6 (146.0)
	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel 30 mm (1.2 in)   Steel 34 mm (1.3 in) IROC-Z

## Ø Suspension - Rear

Type and description		Salisbury axle w/torque arm, ICA, track bar, coil springs
Travel*	Full jounce	87.0 mm (3.4)
	Full rebound	118.0 mm (4.6)
Spring	Type (coil, leaf, other) & material	Coil-Steel Alloy
	Size (length x width, coil design height & i.d., bar length & dia.)	254.0 x 102.6; 2709 x 12.0 (10 x 4.03; 27.9 x .472 in)
	Spring rate [N/mm (lb./in.)]	18/25 variable coil (103.0) Spt. Cpe. IROC-Z 23.0 (131.5)
	Rate at wheel [N/mm (lb./in.)]	22.7 (130.0) Spt. Cpe. IROC-Z 29.0 (165.4)
	Insulators (type & material)	Rubber isolated
	If leaf	No. of leaves
		Shackle (comp. or tens.)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	18 mm (007 in) Spt. Cpe.   IROC-Z - 23 mm (0.9 in)
Track bar (type)		"U" section w/rubber bushings

\* Define load condition:

# MVMA Specifications Form

Vehicle Line **CAMARO**

Model Year **1989** Issued **6-88** Revised (e) \_\_\_\_\_

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

**SPORT COUPE**

**IROC-Z**

Engine Description/Carb.  
Engine Code

2.8L V6 173CID	5.0L V8 305CID	5.0L V8 305CID	5.7L V8 350CID
PFI RPO LB8	EFI RPO L03	PFI RPO LB9	PFI RPO L98

## Propeller Shaft - Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight tube - Internal damper	
Outer diam. x length* x wall thickness	Manual 3-speed transmission		Not Available
	Manual 4-speed transmission		"
	Manual 5-speed transmission		63.5* x 1057 x 1.65 mm (2.5* x 41.6 x .065 in.)
	Overdrive		Not Available
	Automatic transmission		63.5* x 1057 x 1.65 mm (2.5* x 41.6 x .065 in.)
Inter- mediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		"
Slip yoke	Type		Splined
	Number of teeth		27
	Spine o.d.		29.84 mm (1.174 in.)
Universal joints	Make and mfg. no.	Front	Saginaw 44
		Rear	Saginaw 44
	Number used		TWO
	Type (ball and trunnion, cross)		Cross
	Rear attach (u-bolt, clamp, etc.)		Strap & bolts
	Bearing	Type (plain, anti-friction)	Anti-friction
Lubrication (fitting, prepack)		Prepacked	
Drive taken through (torque tube, arms or springs)			Torque Arm
Torque taken through (torque tube, arms or springs)			Torque Arm

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

\* - 70mm (2.75) dia. aluminum shaft replaces base steel shaft where necessary for weight reduction\*

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line **CAMARO**

Model Year **1989**

Issued

6-88

Revised (e)

Body Type And/Or  
Engine Displacement

Sport Coupe

IROC-7

## Brakes - Service

Description			Single caliper disc front, duo-servo drum rear disc optional front/rear	
Manufacturer and brake type (std., opt., n.s.)	Front (disc or drum)		Disc	
	Rear (disc or drum)		Drum; disc optional for IROC-7	
Valving type (proportion, delay, metering, other)			Proportioning, failure warning	
Power brake (std., opt., n.s.)			Standard	
Booster type (remote, integral, vac., hyd., etc.)			Tandem vacuum	
Vacuum	Source (inline, pump, etc.)		Inline	
	Reservoir (volume in. <sup>3</sup> ) and source		None	
	Pump-type (elec. gear driven, belt driven)		"	
Traction control	Operational speed range		"	
	Type engine intervention (electronic, mech.)		"	
Anti-lock device	Front/rear (std., opt., n.s.)		"	
	Manufacturer		"	
	Type (electronic, mech.)		"	
	Number sensors or circuits		"	
	Number anti-lock hydraulic circuits		"	
	Integral or add-on system		"	
	Yaw control (yes, no)		"	
Hydraulic power source (elect., vac. mtr., pwr. strg.)			"	
Effective area (cm <sup>2</sup> (in. <sup>2</sup> ))*			615.5 (95.4) total	
Gross lining area (cm <sup>2</sup> (in. <sup>2</sup> ))**(F/R)			691.6 (107.2) total	
Swept area (cm <sup>2</sup> (in. <sup>2</sup> ))**(F/R)			1985.1 (307.7) total	
Rotor	Outerworking diameter	F/R	F/267 mm (10.5), R/267 mm (10.5)	
	Inner working diameter	F/R	F/171.5 mm (6.75), R/171.5 mm (6.75)	
	Thickness	F/R	F/26.2 mm (1.03), R/26.2 mm (1.03)	
	Material & type (vented/solid)	F/R	Cast iron, vented F/R	
Drum	Diameter & width	F/R	241.0 mm (9.5), 50.8 mm (2.0)	
	Type and material	F/R	Cast iron finned (aluminum for selected applications)	
Wheel cylinder bore		F/R	F/64 mm (2.5); R/19 mm (0.75) drum; 25.4 mm (1.0) disc	
Master cylinder	Bore/stroke	F/R	Bore: 24.0 mm (0.94) disc/drum; 25.4 mm (1.0) disc/disc	
Pedal arc ratio			3.25:1	
Line pressure 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.)		Riveted; 8
		Rivet size		5.3 x 7.92 (.210 x .312)
		Manufacturer		Delco Marine
		Lining code*****		DM8034
		Material		Semi-metallic
		Size	Primary or out-board	125.0 x 48.4 x 11.04 mm (4.92 x 1.91 x 0.435)
		Size	Secondary or in-board	125.0 x 48.4 x 10.55 mm (4.92 x 1.91 x 0.415)
	Shoe thickness (no lining)			0/83.42 mm (0.135); IB 4.85 mm (0.191)
	Rear wheel	Bonded or riveted (rivets/seg.)		Riveted 10 primary, 12 secondary drum; riveted, 8-disc
		Manufacturer		Inland
		Lining code*****		IN 4035/4050
		Material		Non-asbestos
		Size	Primary or out-board	192.5 x 50.8 x 4.98mm (7.58 x 2.0 x 0.196) / (a)
		Size	Secondary or in-board	249.6 x 50.8 x 6.75mm (9.83 x 2.0 x 0.266) / (b)
Shoe thickness (no lining)			Drum 1.98mm(0.078);disc 0B/3.42mm(0.135),IB/4.85mm(0.1	

\*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 or formulation designation and coefficient of friction classification.

(a) 125.0x48.4x11.04mm(4.92x1.91x0.435)

(b) 125.0x48.4x10.55(4.92x1.91x0.415)

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Body Type And/Or  
Engine Displacement

Sport Coupe & IROC-Z

## Brakes - Service

Description		FRONT & REAR DISC BRAKES (Optional RPO J65)	
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 split	
Power brake (std., opt., n.a.)		Standard	
Booster type (remote, integral, vac., hyd., etc.)		200 mm (7.87 in.) tandem vacuum	
Vacuum	Source (inline, pump, etc.)	Engine	
	Reservoir (volume in. <sup>3</sup> ) and source	Not Applicable	
	Pump-type (elec, gear driven, belt driven)	" "	
Traction control	Operational speed range	" "	
	Type engine intervention (electronic, mech.)	" "	
Anti-lock device	Front/rear (std., opt., n.a.)	" "	
	Manufacturer	" "	
	Type (electronic, mech.)	" "	
	Number sensors or circuits	" "	
	Number anti-lock hydraulic circuits	" "	
	Integral or add-on system	" "	
	Yaw control (yes, no)	" "	
	Hydraulic power source (elect., vac. mtr., pwr. strg.)	" "	
Effective area (cm <sup>2</sup> (in. <sup>2</sup> ))*		717 cm <sup>2</sup> (111.1 in. <sup>2</sup> )	
Gross lining area (cm <sup>2</sup> (in. <sup>2</sup> ))**(F/R)		792 cm <sup>2</sup> (122.9 in. <sup>2</sup> )	
Swept area (cm <sup>2</sup> (in. <sup>2</sup> ))**(F/R)		2980.74 cm <sup>2</sup> (462.02 in. <sup>2</sup> )	
Rotor	Outerworking diameter	F/R	F 301.25 mm (11.86 in.) R 296.0 mm (11.65 in.)
	Inner working diameter	F/R	F 197.40 mm (7.77 in.) R 211.0 mm (8.31 in.)
	Thickness	F/R	F 26.20 mm (1.03 in.) R 20.0 (0.79 in.)
	Material & type (vented/solid)	F/R	Cast iron vented
Drum	Diameter & width	F/R	Not Applicable
	Type and material	F/R	" "
Wheel cylinder bore		F 2 x 38 mm (1.50 in.) R 40.5 mm (1.59 in.)	
Master cylinder	Bore/stroke	F/R	24.0 mm (0.94 in.)
Pedal arc ratio		3.25:1	
Line pressure at 445 N(100 lb.) pedal load (kPa (psi))		--	
Lining clearance		F/R	Self adjusting
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Integrally molded
		Rivet size	Not Available
		Manufacturer	Japan Brake Industries
		Lining code*****	CP26
		Material	Semi-metallic
		**** Primary or out-board	53.2cm <sup>2</sup> x9.5mm(8.25 in. <sup>2</sup> x.37 in.) area x thickness
		Size Secondary or in-board	53.2cm <sup>2</sup> x9.5mm(8.25 in. <sup>2</sup> x.37 in.) area x thickness
	Rear wheel	Shoe thickness (no lining)	18 6.0mm (.24 in.) OB 6.0 mm (.24 in.)
		Bonded or riveted (rivets/seg.)	Integrally molded
		Manufacturer	Japan Brake Industries
		Lining code*****	HB33
		Material	Semi-metallic
		**** Primary or out-board	28.4cm <sup>2</sup> x8.2mm(4.4 in. <sup>2</sup> x.32 in.) area x thickness
		Size Secondary or in-board	28.4cm <sup>2</sup> x8.2mm(4.4 in. <sup>2</sup> x.32 in.) area x thickness
Shoe thickness (no lining)		18 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 or formulation designation and coefficient of friction classification.

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Body Type And/Or  
Engine Displacement

SPORT COUPE

IROC-Z

## Tires And Wheels (Standard)

Tires	Size (load range, ply)		P215/65R-15	P215/65R-15 (+)
	Type (bias, radial, steel, nylon, etc.)		Steel belted radial	
	Inflation pressure (cold) for recommended max. vehicle load	Front (kPa (psi))	205 (30)	240 (35)
		Rear (kPa (psi))	205 (30)	240 (35)
	Rev./mile—at 70 km/h (45 mph)		498 R/Km	505 R/Km
Wheels	Type & material		Cast Aluminum	
	Rim (size & flange type)		15 x 7	
	Wheel offset		8.0	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	120.7	
Spare	Tire and wheel		15x4'T125/70D15 (except with G80 axle)	
	Storage position & location (describe)		Vertically adjacent to R.H. quarter panel	

## Tires And Wheels (Optional)

Tire size (load range, ply)	P245/50ZR16 * (+)
Type (bias, radial, steel, nylon, etc.)	Steel belted radial
Wheel (type & material)	Cast aluminum
Rim (size, flange type and offset)	16 x 8, Front: 0, Rear: 16
Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (load range, ply)	
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)	14x5;P195/75D14 (inflatable) used with G80 axle and 15 road tire 15x5;P195/75D15 (inflatable) used with 16 in. road tire

## Brakes - Parking

Type of control		Grip handle control
Location of control		Right side of floor console
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

(\*) Directional Tread.

(+) - Non "All Season" tires.

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Body Type And/Or  
Engine Displacement

SPORT COUPE

IROC-Z

## Steering

Manual (std., opt., n.a.)		Not Available		
Power (std., opt., n.a.)		Standard		
Adjustable steering wheel/column (tilt, telescope, other)	Type	Tilt-universal jointed strg. shaft @ base of strg. whl. 6 p		
	Manufacturer	Saginaw Steering Gear		
	(Std., opt., n.a.)	Optional		
Wheel diameter** (W9) SAE J1100	Manual	Not Available		
	Power	368 mm (14.5 in)		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	12.59 (41.3)   12.95 (42.5)	
		Curb to curb (l. & r.)	11.73 (38.5)   12.28 (40.3)	
	Inside rear	Wall to wall (l. & r.)	Not Available	
		Curb to curb (l. & r.)	" "	
Scrub Radius*		" "		
Manual	Gear	Type	" "	
		Manufacturer	" "	
		Ratios	Gear	" "
			Overall	" "
	No. wheel turns (stop to stop)		" "	
Power	Type (coaxial, elec., hyd., etc.)	Coaxial		
	Manufacturer	Saginaw Steering Gear Div. G.M.C.		
	Gear	Type	Semi-reversible recirculating ball	
		Ratios	Gear	14:1
			Overall	15.4:1   12.7:1
	Pump (drive)	Belt	14:1	
	No. wheel turns (stop to stop)		2.57	
Linkage	Type	Parallelogram   2.14		
	Location (front or rear of wheels, other)			
	Tie rods (one or two)	Front		
Steering axis	Inclination at camber (deg.)	Two		
	Bearings (type)	Upper	Not Available	
		Lower	Ball stud	
		Thrust	Ball stud	
			None	
Steering spindle & joint type		Steering knuckle with spherical joints		
Wheel spindle/hub	Diameter	Inner bearing	31.73-31.74 (1.2493-1.2498)	
		Outer bearing	21.04-21.42 (0.83-0.84)	
	Thread (size)	3/4-20 UNEF-3A (modified)		
	Bearing (type)	Tapered roller		

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

\*\*See Page 22

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989

Issued 6-88

Revised (e) \_\_\_\_\_

Body Type And/Or  
Engine Displacement

SPORT COUPE AND IROC-Z

## Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	+4.7° +/- .5°
		Camber (deg.)	+0.3 +/- .5°
		Toe-in (outside track-mm (in.))	0° +/- 0.2°
	Service reset*	Caster	#
		Camber	"
		Toe-in	"
	Periodic M.V. inspection	Caster	"
		Camber	"
		Toe-in	"
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	Not Applicable
		Toe-in (outside track-mm (in.))	"
	Service reset*	Camber	"
		Toe-in	"
	Periodic M.V. inspection	Camber	"
		Toe-in	"

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

# Same caster, camber & toe alignment for Sport Coupe & IROC at check, reset, and inspection.

## Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	Round dial, pointer 0-115 mph (a)(b)
	Trip odometer (std., opt., n.a.)	Standard
EGR maintenance indicator		Not Available
Charge indicator	Type	Electric gage
	Warning device (light, audible)	Not Available
Temperature indicator	Type	Electric gage
	Warning device (light, audible)	Not Available
Oil pressure indicator	Type	Electric gage
	Warning device (light, audible)	Not Available
Fuel indicator	Type	Electric gauge with pointer
	Warning device (light, audible)	Not Available
Windshield wiper	Type (standard)	Two speed-manual control-fluidic (wet arm)
	Type (optional)	Intermittent
	Blade length	454 mm (18 inches)
	Swept area (cm <sup>2</sup> (in. <sup>2</sup> ))	5792 (898.0)
Windshield washer	Type (standard)	Manual control
	Type (optional)	Not Available
	Fluid level indicator (light, audible)	" "
Rear window wiper, wiper/washer (std., opt., n.a.)		" "
Horn	Type	Vibrator
	Number used	Two
Other		Tachometer standard (Round dial, pointer) Upshift telltale

(a) Metric conversions included.

(b) 0-145 speed for IROC-Z with LB9 or L98 V8.

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) 9-88

Engine Description/Carb.  
Engine Code

2.8 Liter V6 (173 CID)  
(2.8 Multi Port FI) RPO LB8

## Electrical - Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	75-525 (a), 75-570 (b)
	Voltage	12 Volts
	Amps at 0°F cold crank	525 (a), 570 (b)
	Minutes-reserve capacity	(a) 90 minutes, (b) 90 minutes
	Amp/hrs. - 20 hr. rate	--
	Location	Engine compartment right front
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	(c, d)
	Ratio (alt. crank/rev.)	2.75:1
	Output at idle (rpm, park)	
	Optional (type & rating)	None
Regulator	Type	Micro circuit units, integral with alternator

## Electrical - Starting System

Start. motor	Manufacturer	Delco Remy
	Current drain at 0°F	235 @ 20°F.
	Power rating [kw (hp)]	1.4 (1.9)
Motor drive	Engagement type	Positive shift solenoid
	Pinion engages from (front, rear)	Rear

## Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	--
	Other (specify)	Computer controlled coil ignition (C <sup>3</sup> I)
Coil	Manufacturer	Delco Remy
	Model	Separate
	Current	Engine stopped - A 0
		Engine idling - A 5.5 max.
Spark plug	Manufacturer	AC
	Model	R42 CTS
	Thread (mm)	M14 x 1.25 SAF
	Tightening torque [N-m (lb. ft)]	9-20 (7-15)
	Gap	1.143 (.045)
	Number per cylinder	One
Distributor	Manufacturer	Not Applicable
	Model	--

## Electrical - Suppression

Locations & type	Internal alternator capacitor, non-metallic high-tension ignition cables, resistor spark plugs, ignition coil by-pass capacitor, internal AC blower motor by-pass capacitor & A/C compression diode, with radio provisions; hood grounding clip, engine to dash panel ground strap, fuse block capacitor and on "heater only" blower motors and coax capacitor
------------------	--

- (a) - Standard battery
- (b) - With H.D. option UA1
- (c) - 85 amp with heater, 30 amp at idle.
- (d) - 100 amp with air conditioning, 36 amp at idle.



# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989 Issued 6-88 Revised (•) 9-88

Engine Description/Carb.  
Engine Code

5.0 Liter V8 (305 CID)  
(Electronic Fuel Injection) RPO 103

## Electrical - Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	70-525 (a), 75-570 (b)
	Voltage	12 Volts
	Amps at 0°F cold crank	525 (a), 570 (b)
	Minutes-reserve capacity	75 (a), 90 (b)
	Amp/hrs. - 20 hr. rate	--
Alternator	Location	Engine compartment right front
	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	(a, b)
	Ratio (alt. crank/rev.)	3.14:1
	Output at idle (rpm, park)	
Regulator	Optional (type & rating)	None
	Type	Micro circuit units, integral with alternator

## Electrical - Starting System

Start, motor	Manufacturer	Delco Remy
	Current drain at 0°F	305 @ - 20°F (c)
	Power rating [kw (hp)]	2.3 (3.1)
Motor drive	Engagement type	Positive shift solenoid
	Pinion engages from (front, rear)	Rear

## Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	--
	Other (specify)	High Energy Ignition, (H E I.)
Coil	Manufacturer	Delco Remy
	Model	Integral with distributor
	Current	Engine stopped - A
		Engine idling - A
Spark plug	Manufacturer	AC
	Model	R45TS
	Thread (mm)	M14 x 1.25 SAE
	Tightening torque [N-m (lb. ft)]	9-20 (7-15)
	Gap	0.89 (0.035")
	Number per cylinder	One
Distributor	Manufacturer	Delco Remy
	Model	1103698

## Electrical - Suppression

Locations & type	Internal alternator capacitor, non-metallic high-tension ignition cables, resistor spark plugs, ignition coil by-pass capacitor, internal AC blower motor by-pass capacitor & A/C compression diode, with radio provisions; hood grounding clip, engine to dash panel ground strap, fuse block capacitor and on "heater only" blower motors and coax capacitor.
------------------	---

- (a) - 85 amp (+C41), 30 amp at idle.  
 (b) - 100 amp (+C60/C67), 36 amp at idle.  
 (c) - First five seconds of engine cranking at -20°F.

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989

Issued

6-88

Revised (e)

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Engine Description/Carb.  
Engine Code

5.0 LTR V8 (305 CID) RPO LB9  
(Tuned Port Fuel Injection)

5.7 LTR V8 (350 CID) RPO LS  
(Tuned Port Fuel Injection)

## Electrical - Supply System

Battery	Manufacturer	Delco Remy	
	Model, std., (opt.)	70-525 (a), 75-570 (b)   75-630	
	Voltage	12 Volts	
	Amps at 0°F cold crank	525 (a), 570 (b)   630	
	Minutes-reserve capacity	75 (a), 90 (b)   90	
	Amp/hrs. - 20 hr. rate	--	
Alternator	Location	Engine compartment right front	
	Manufacturer	Delco Remy	
	Rating (idle/max. rpm)	105 amp (42 amp at idle)	
	Ratio (alt. crank/rev.)	3.14:1	
	Output at idle (rpm, park)		
Regulator	Optional (type & rating)	None	
	Type	Micro circuit units, integral with alternator	

## Electrical - Starting System

Start, motor	Manufacturer	Delco Remy	
	Current drain at 0°F	305 @ - 20°F	
	Power rating [kw (hp)]	1.9 (2.5)   2.3 (3.1)	
Motor drive	Engagement type	Positive shift solenoid	
	Pinion engages from (front, rear)	Rear	

## Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	--	
	Other (specify)	High Energy Ignition, (H.E.I.)	
Coil	Manufacturer	Delco Remy	
	Model	Remote mounted	
	Current	Engine stopped - A	0.5
		Engine idling - A	1.0
Spark plug	Manufacturer	AC	
	Model	R45TS	
	Thread (mm)	M14 x 1.25 SAF	
	Tightening torque (N·m (lb. ft))	9-20 (7-15)	
	Gap	0.89 (0.035")	
	Number per cylinder	One	
Distributor	Manufacturer	Delco Remy	
	Model	1103698	

## Electrical - Suppression

Locations & type	Internal alternator capacitor, non-metallic high-tension ignition cables, resistor spark plugs, ignition coil by-pass capacitor, internal AC blower motor by-pass capacitor & A/C compression diode, with radio provisions; hood grounding clip, engine to dash panel ground strap, fuse block capacitor and on "heater only" blower motors and coax capacitor.		
------------------	---	--	--

(a) - Standard battery.

(b) - With H.D. option UA1.

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Models **CAMARO**

Model Year **1989**

Issued **6-88**

Revised (e)

Body Type

**SPORT COUPE AND IROC-Z**

Body

Structure

Full unitized steel construction. Cowl, roof, underbody and body panels welded to form body shell. Bolt-in front suspension crossmember. Doors, roof, hood and hatch lid double panel construction.

☒ Bumper system front - rear

Body color soft facia, honeycomb absorber and heavy gauge reinforcement used front and rear. GM 5 mph protection.

Anti-corrosion treatment

Galvanized metals, zinc rich primers, wax coating and other corrosion resistant materials used throughout.

## ☒ Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		High solids acrylic enamel 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	Steel
	Type (counterbalance, other)	Convertible only (a)
	Internal release control (elec., mech., n.a.)	Convertible only. Mechanical release
Hatch-back lid	Material & mass	Glass/steel
	Type (counterbalance, other)	Dual gas struts - electric final closure standard.
	Internal release control (elec., mech., n.a.)	Electric release optional
Tailgate	Material & mass	Not Applicable
	Type (drop, lift, door)	" "
	Internal release control (elec., mech., n.a.)	" "
Vent window control (crank, friction, pivot, power)	Front	Not Available
	Rear	" "
Window regulator type (cable, tape, flex, drive, etc.)	Front	Sector Drive
	Rear	Sector Drive
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Bucket molded foam pad
	Rear	" " " "
	3rd seat	--
Seat back type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Reclining bucket molded foam pad
	Rear	Folding bench. Split back optional molded foam pad
	3rd seat	--

(a) Convertible folding top manual standard, no power option.

# MVMA Specifications Form

## METRIC (U.S. Customary)

Vehicle Line CAMARO  
 Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Body Type

SPORT COUPE AND IROC-Z

### Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.)  Standard / optional	First seat	Lap & shoulder belt	N/A	Lap & shoulder belt
		Second seat	Lap & shoulder belt	N/A	Lap & shoulder belt
		Third seat	N/A	N/A	N/A
Passive	Type & description (air bag, motorized - 2-point belt, fixed belt, knee bolster, manual - lap belt)  Standard / optional	First seat	N/A		
		Second seat			
		Third seat			N/A

Glass	SAE Ref. No.	Coupe	Convertible
Windshield glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> ))	S1	9000.4 (1395.0)	
Side glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> )) - total 2-sides	S2	6519.8 (1010.6)	
Backlight glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> ))	S3	6232.0 ( 966.0)	3844.1 (598.8)
Total glass exposed surface area (cm <sup>2</sup> (in. <sup>2</sup> ))	S4	21752.2 (3371.6)	19364.3 (3001.4)
Windshield glass (type)		Curved - Laminated Plate	
Side glass (type)		Curved - Tempered Plate	
Backlight glass (type)		Curved - Tempered Plate	Vinyl

### Lamps and Headlamp Locations

Headlamps	Description - sealed beam, halogen, replaceable bulb, etc.	Sealed beam - four lamp system
	Shape	Rectangular
	Lo-beam type (2A1, 2B1, 2C1, etc.)	2A
	Quantity	2
	Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	1A
	Quantity	2

### Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Full integral body frame, includes bolted on front suspension crossmember.
---	--

# MVMA Specifications Form

## METRIC (U.S. Customary)

Vehicle Line CAMARO  
 Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

Body Type

SPORT COUPE AND IROC-Z

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

Electronic	<input checked="" type="checkbox"/> Air conditioning (manual, auto, temp control)	Optional - manual control
	Clock (digital, analog)	Digital, in radio.
	Compass / thermometer	Not Available
	Console (floor, overhead)	Floor standard, Overhead not available
	Defroster, elec. backlight	Optional (Not available on convertible)
	Diagnostic monitor (integrated, individual)	Not Available
	Instrument cluster (list instruments)	"
	Keyless entry	"
	Trip/reminder (avg. spd., fuel)	"
	Voice alert (list items)	"
Lamps	Other	"
	Fuel door lock (remote, key, electric)	Not Available
	Auto head on / off delay, dimming	"
	Cornering	"
	Courtesy (map, reading)	Included in optional lamp group (under dash)
	Door lock, ignition	Not Available
	Engine compartment	Included in optional lamp group
	Fog	Standard IROC-Z, not available on Sport Coupe
	Glove compartment	Standard (compartment in floor console)
	Trunk	Included in optional lamp group
Mirrors	<input checked="" type="checkbox"/> Illuminated entry system (list lamps, activation)	Not Available
	Other	
	Day / night (auto, man.)	Manual standard
	L.H. (remote, power, heated)	Remote standard, power optional
	R. H. (convex, remote, power, heated)	Manual standard, power optional. Both convex
	Visor vanity (RH / LH, illuminated)	RH, non-illuminated NA Spt. Cpe Std. IROC-Z
Navigation system (describe)		
Parking brake-auto release (warning light)		Hand release, Warning light standard

### Radio Options

- \* Full gage package (non-electronic) standard on Trans Am GTA and Formula; optional on Firebird.
- \*\* Seat belt warning, engine warning.

# MVMA Specifications Form

## METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1989

Issued

6-88

Revised (e)

Body Type

**SPORT COUPE AND IROC-Z**

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

Power equipment	Deck lid (release, pull down)		Opt - electric, door locks and rear hatch release
	Door locks (manual, automatic, describe system)		Manual - standard Electric - optional
	Seats	2 - 4 - 6 way, etc.	Optional 6-way power driver's seat
		Reclining (R.H., L.H.)	Reclining both front seats
		Memory (R.H., L.H., preset, recline)	Not Available
		Lumber, hip, thigh, support	" "
		Heated (R.H., L.H., other)	" "
	Side windows		Optional
	Vent windows		Not Available
	Rear windows		" "
Radio systems	Antenna (location, whip, w/shield, power)		R. F. Fender fixed mast standard, power optional
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM/FM Stereo w/seek, scan & digital clock, AM/FM electronically tuned stereo seek, scan, cassette player & digital clock, AM/FM Stereo electronically tuned seek, scan graphic equalizer, cassette w/search & repeat w/digital clock, AM/FM Bose II Stereo, cassette search & repeat digital clock.
	Optional		
	Speaker (number, location)		Four-two in instrument panel, two in roof sail pan. Convertible in quarter sidewalls.
Roof open air fixed (flip-up, sliding, "T")			"T" type, optional
Speed control device			Cruise Control, 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; locks steering wheel, transmission shift lever and ignition. Pass Key.

(a) Power final closure latch standard for both non-convertible mode.

# MVMA Specifications Form

Vehicle Models **CAMARO**

100

Model Year **1989**

Issued **6-88**

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.

Body Type

SAE  
Ref.  
No.

**SPORT COUPE**

**IROC-7**

Width

Tread (front)	W101	1525 ( 60.0)
Tread (rear)	W102	1548 ( 60.9)
Vehicle width	W103	1850 ( 72.8)
Body width at Sg RP (front)	W117	1830 ( 72.0)
Vehicle width (front doors open)	W120	3939 (155.1)
Vehicle width (rear doors open)	W121	--
Front fender overall width	W106	1850 ( 72.8)
Rear fender overall width	W107	1840 ( 72.4)
Tumble-home (deg.)	W122	31.5°
Vehicle width including mirrors		

Length

Wheelbase	L101	2566 (101.0)
Vehicle length	L103	4877 (192.0)
Overhang (front)	L104	1178 ( 46.4)
Overhang (rear)	L105	1133 ( 44.6)
Upper structure length	L123	2669 (105.1)
Rear wheel C.L. "X" coordinate	L127	2138 ( 84.2)
Gowl point "X" coordinate	L125	108 ( 4.3)
Front end length at centerline	L126	
Rear end length at centerline	L129	345 ( 13.6)

Height \*\*

Passenger distribution (front/rear)	PD1.2.3		--
Trunk/cargo load			--
Vehicle height	H101	1279 ( 50.3)	
Gowl point to ground	H114	904 ( 35.6)	
Deck point to ground	H138	918 ( 36.1)	
Rocker panel-front to ground	H112	201 ( 7.9)	
Bottom of door closed-front to ground	H133	362 ( 14.3)	
Rocker panel-rear to ground	H111	197 ( 7.8)	
Bottom of door closed-rear to ground	H135	--	
Windshield slope angle	H122	62.0°	
Backlight slope angle	H121	71.0°	

Ground Clearance \*\*

Front bumper to ground	H102	347 ( 13.7)	
Rear bumper to ground	H104	329 ( 13.0)	
Bumper to ground (front at curb mass (wt.))	H103	359 ( 14.1)	
Bumper to ground (rear at curb mass (wt.))	H105	344 ( 13.5)	
Angle of approach (degrees)	H106	12.2°	
Angle of departure (degrees)	H107	18.8°	
Ramp breakover angle (degrees)	H147	13.4°	
Axle differential to ground (front / rear)	H153	182 ( 7.2)	
Min. running ground clearance	H156	128 ( 5.1)	
Location of min. run. grd. clear.			Front crossmember

\*\* 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 Accesones Whic Weigh Three Pounds Or More And Which Are Sold On At Least 33% Of The Car Line. Plus Two Occupants.

# MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Models CAMARO  
Model Year 1989 Issued 6-88 Revised (e)

Body Type

SPORT COUPE

IROC-Z

SAE  
Ref.  
No.

## Front Compartment

Sg RP front, "X" coordinate	L31	1050 (41.3)	
Effective head room	H61	940 (37.0)	coupes, 942 (37.1) convertible
Max. eff. leg room (accelerator)	L34	1092 (43.0)	coupes, 1089 (42.9) convertible
SgRP to heel point	H30	181 (7.1)	
SgRP to heel point	L53	911 (35.9)	
Back angle	L40	26.5	
Hip angle	L42	98.0	
Knee angle	L44	133.0	
Foot angle	L46	87.0	
Design H-point front travel	L17	192 (7.6)	
Normal driving & riding seat track trvl.	L23	171 (6.7)	
Shoulder room	W3	1460 (57.5)	coupes, 1488 (58.6) convertible
Hip room	W5	1430 (56.3)	coupes, 1342 (52.8) convertible
Upper body opening to ground	H50	--	
Steering wheel maximum diameter	W9	368 (14.5)	
Steering wheel angle	H18	18.0	
Accel. heel pt. to steer. whl. cntr	L11	Not Available	
Accel. heel pt. to steer. whl. cntr	H17	" "	
Steering wheel to C/L of thigh	H13	91 (3.6)	
Steering wheel torso clearance	L7	360 (14.2)	
Headlining to roof panel (front)	H37	12 (0.5)	
Undepressed floor covering thickness	H67	16 (0.6)	

## Rear Compartment

Front Compartment Interior Dimensions Are Measured With The Seating Reference Point (SgRP) \_\_\_\_\_ m.  
Forward And \_\_\_\_\_ mm Upward of Rearmost Position.

Sg RP Point couple distance	L50	668 (26.3)	
Effective head room	H63	905 (35.6)	coupes, 918 (36.1) convertible
Min. effective leg room	L51	756 (29.8)	coupes, 719 (28.3) convertible
Sg RP (second to heel)	H31	183 (7.2)	
Knee clearance	L48	-15 (-0.6)	
Compartment room	L3	582 (22.9)	
Shoulder room	W4	1430 (56.3)	coupes, 1222 (48.1) convertible
Hip room	W6	1087 (42.8)	coupes, 1116 (43.9) convertible
Upper body opening to ground	H51	--	
Back angle	L41	28.0°	
Hip angle	L43	68.0	
Knee angle	L45	66.5	
Foot angle	L47	116.5	
Headlining to roof panel (second)	H38	Not Available	
Depressed floor covering thickness	H73	18 (0.7)	

## Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1		
Lift-over height	H185	883 (34.8)	146L (5.2 cu.ft.) convertible

## Interior Volumes (EPA Classification)

Vehicle class		Sub-Compact
Interior volume index (cu. ft.)		84.9
Trunk/cargo index (cu. ft.)		12.4

All linear dimensions are in millimeters (inches).

\*\* EPA Loaded Vehicle Weight, Loading Conditions



**MVMA Specifications Form**Vehicle Line CAMAROModel Year 1989Issued 6-88

Revised (e) \_\_\_\_\_

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

Vehicle Dimensions See Key Sheets for definitions

Body Type

SPORT COUPE

IROC-Z

**Station Wagon - Third Seat**SAE  
Ref.  
No.

Seat facing direction	SD1	Not
Sg RP couple distance	L85	Applicable
Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
Sg RP to heel point	H87	
Knee clearance	L87	
Back angle	L88	
Hip angle	L89	
Knee angle	L90	
Foot angle	L91	

**Station Wagon - Cargo Space**

Cargo length (open front)	L200	Not
Cargo length (open second)	L201	Applicable
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	H197	
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	

**Hatchback - Cargo Space**

Cargo length at front seatback height	L208	895 (35.2)
Cargo length at floor (front)	L209	1556 (61.3)
Cargo length at second seatback height	L210	610 (24.0)
Cargo length at floor (second)	L211	845 (33.3)
Front seatback to load floor height	H197	355 (14.0)
Second seatback to load floor height	H198	242 (9.5)
Cargo volume index (m <sup>3</sup> (ft. <sup>3</sup> ))	V3	879 (31.0)
Hidden cargo volume index (m <sup>3</sup> (ft. <sup>3</sup> ))	V4	--
Cargo volume index-rear of 2-seat	V11	350 (12.4)

**Aerodynamics\***

Wheel lip to ground, front	H172	689 (27.1)
Wheel lip to ground, rear	H173	693 (27.3)
Frontal area (m <sup>2</sup> (ft. <sup>2</sup> ))		1.99 (21.3)
Drag coefficient (Cd)		Not Available

\* EPA Loaded Vehicle Weight, Loading Conditions

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

Vehicle Line **CAMARO**  
 Model Year **1989** Issued **6-88** Revised (e) \_\_\_\_\_

Body Type

**SPORT COUPE**

**IROC-Z**

**Vehicle Fiducial Marks**

Fiducial Mark Number*	Define Coordinate Location										
Front	<p>X - Fiducial mark to vertical base grid line - front measured horizontally from the base grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt.</p> <p>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.</p> <p>Z - Fiducial mark to horizontal base grid line - front, measured vertically from base grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.</p>										
Rear	<p>X - Fiducial mark to vertical base grid line - rear, measured horizontally from the base grid line to rear fiducial mark located on the rail (compartment pan - longitudinal).</p> <p>Y - Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on the rail (compartment - longitudinal).</p> <p>Z - Fiducial mark to horizontal base grid line - rear, measured vertically from the base grid line to rear fiducial mark located on the rail (compartment pan - longitudinal).</p>										
Front	<table> <tr> <td>W21*</td><td>540 ( 21.3)</td></tr> <tr> <td>L54*</td><td>688 ( 27.1)*</td></tr> <tr> <td>H81*</td><td>-32 ( -1.3)#</td></tr> <tr> <td>H161*</td><td>296 ( 11.7)</td></tr> <tr> <td>** H163*</td><td>284 ( 11.2)</td></tr> </table>	W21*	540 ( 21.3)	L54*	688 ( 27.1)*	H81*	-32 ( -1.3)#	H161*	296 ( 11.7)	** H163*	284 ( 11.2)
W21*	540 ( 21.3)										
L54*	688 ( 27.1)*										
H81*	-32 ( -1.3)#										
H161*	296 ( 11.7)										
** H163*	284 ( 11.2)										
Rear	<table> <tr> <td>W22*</td><td>548 ( 21.6)</td></tr> <tr> <td>L55*</td><td>2815 (110.8)*</td></tr> <tr> <td>H82*</td><td>96 ( 3.8)#</td></tr> <tr> <td>H162*</td><td>417 ( 16.4)</td></tr> <tr> <td>** H164*</td><td>407 (16.0)</td></tr> </table>	W22*	548 ( 21.6)	L55*	2815 (110.8)*	H82*	96 ( 3.8)#	H162*	417 ( 16.4)	** H164*	407 (16.0)
W22*	548 ( 21.6)										
L55*	2815 (110.8)*										
H82*	96 ( 3.8)#										
H162*	417 ( 16.4)										
** H164*	407 (16.0)										
	<p>* Vertical Base Grid 2000 mm Line.          # Horizontal Base Grid 500 mm Line.</p>										

\* Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.

All linear dimensions are in millimeters (inches).

\*\* EPA Loaded Vehicle Weight, Loading Conditions

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

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

**SHIPPING MASS (weight) = Curb Weight Less Kg. (lbs.)** \_\_\_\_\_

\* Reference - SAE J1100 Motor Vehicle Dimensions

NA - Not Applicable - applies to model/series combinations not requiring testing.

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

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) 05

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

## WHITE BOOK ORDER FORM

## WHITE BOOK ORDER FORM

# The Genuine Camaro White Book™ 1967-1993

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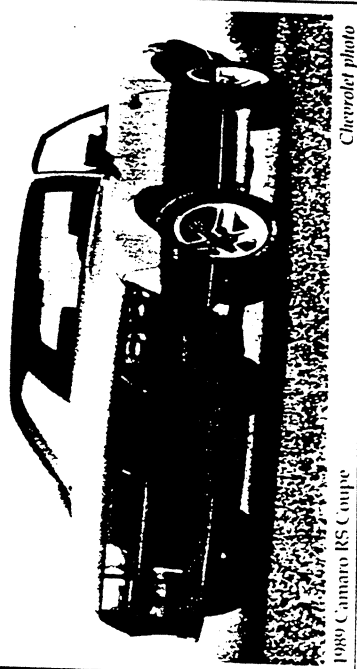
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# 1989 CAMARO

Production: 42,729 V6, 68,010 V8, 110,739 total.



1989 Camaro RS Coupe  
Chevrolet photo

## 1989 NUMBERS

**Vehicle:** 1G1FP2ISXKL100001 thru 1G1FP2ISXKL210739

- Fifth digit is model level: P=Camaro (all models).
- Sixth digit is body style: 2=Hatchback Coupe, 3=Convertible
- Eighth digit is engine code: E=305ci V8 (L03) F=305ci V8 (L09) S=173ci V6 (L08) 8=350ci V8 (L98)

• Ninth digit is check digit and varies.

- Tenth digit is model year: K=1989
- Eleventh digit is assembly plant code: L=Van Nuys
- Last six digits increased one for each car built.
- VINs shown are examples and may not be exact.

**Dimensions:** Length: 192.0 inches Width: 72.8 inches Height: 50.3 inches  
Wheelbase: 101.0 inches

**Suffix:** AAD: 173ci, uu ATA: 305ci, mt AWK: 350ci, at  
AAF: 173ci, uu AIB: 305ci, mt AXY: 173ci, uu  
ABL: 173ci, uu AIF: 305ci, at ZRA: 350ci, mt  
AKI: 305ci, mt AIM: 305ci, at ZRB: 350ci, at  
AKJ: 305ci, at AWA: 305ci, at ZRC: 350ci, at

**Abbreviations:** at=automatic transmission, ci=cubic inch, mt=manual transmission, uu=uncertain usage, VIN=vehicle identification number.

## 1989 FACTS

- Success with the specially optioned RS model offered regionally in 1987 and 1988 led to the use of the RS designation as a model series in 1989. For 1989, Camaro's lineup consisted of RS Coupe, RS Convertible,IROC-Z Coupe andIROC-Z Convertible. Visually, the RS Coupe differed from the previous year's Sport Coupe by its body-color ground-effects panels. TheIROC-Z ground-effects panels were body-color as before, butIROC-Zs came with unique striping and decals which could be deleted for credit.
- An electronic "pass key" anti-theft system was introduced in 1989. This consisted of special ignition key with a coded pellet to prevent starting with anything but the proper key. A similar system was standard with Corvettes starting in 1986, with remarkable results.
- A new progressive throttle linkage gave 1989 Camaros smoother initial acceleration. The throttle had a smaller rate of advance at the beginning of travel, and a larger ratio as the throttle was depressed.

## 1989 FACTS cont...

- The V6 engine for RS Coupe models was the 173ci, 135hp (RPO LB8). For RS Convertible,IROC-Z Coupe andIROC-Z Convertible, the 305ci, 170hp (RPO L03) was standard and could be combined with either the no-cost 5-speed manual or optional automatic. This engine was also optional for the RS Coupe. ForIROC-Z Coupe and Convertible, a 305ci (RPO LB9) was optional and could be mated with manual or automatic transmission. Power output for the LB9 varied with the application. It was 195hp with automatic transmission. It was 220hp with manual transmission and single exhaust, 230hp with manual transmission and dual exhaust. The 350ci (RPO B2L) engine was available only withIROC-Z Coupe and automatic transmission, and it's power rating also varied. With single exhaust, it was 230hp, with dual exhaust it was 240hp.
- Radio choices included a new unit (RPO U1C) with compact disc player. A rearview mirror incorporating map lights was packaged with up-level option groups. When optional 16-inch aluminum wheels were ordered withIROC-Z Coupes or Convertibles, they were combined with "Z" rated tires (RPO Q1C). But this was an running change and Chevrolet records indicate that 1,263 sets of "V" rated P245/50VR16 tires were installed.
- Chevrolet built 111 "1LE" 1989 Camaros for the SCCA Showroom Stock racing series. But 1LE wasn't ordered like other RPOs. Ordering the RPO G92 performance axle with anIROC-Z Coupe triggered 1LE. Here's how it worked: When G92 was ordered, it forced several other options including engine oil cooler, 4-wheel disc brakes, dual converter exhaust and P245/50ZR16 tires. A 1989 Camaro with G92 had to have either the 350ci (RPO B2L) engine with automatic transmission, or the 305ci (RPO LB9) with 5-speed manual. These Camaros had 145 mph speedometers and 5500 rpm redline tachs. If RPO G92 was ordered with air conditioning, the cars were built as street vehicles. If air conditioning was not ordered, Chevrolet added 1LE equipment for the race series. This included aluminum drive shaft, big front brakes adapted from the Corvette, fuel tank baffles, specific front and rear shock absorbers, and different founce bumpers. Also, fog lamps were deleted for weight savings and better air flow to the radiator.

## 1989 FACTORY OPTIONS

RPO	Description	Qty	Retail
1F1P87	Camaro RS Coupe, 6-cylinder	83,487	11,495.00
1F1P87	Camaro RS Convertible, 8-cylinder	3,245	16,995.00
1F1P87	CamaroIROC-Z Coupe, 8-cylinder	20,067	14,145.00
1F1P87	CamaroIROC-Z Convertible, 8-cylinder	3,940	18,945.00
1LE	Special Performance Components Package	111	*
AG9	Power Seat, driver side	19,750	*
AM9	Seat Back, split folding rear	33,743	50.00
AU3	Power Door Locks	99,385	145.00
A01	Tinted Glass, all windows	110,502	*
A31	Power Windows	61,704	*
A90	Power Hatch Release	60,744	50.00
B2L	Engine, 350ci, 230hp V8 (IROC-Z coupe only)	12,370	1,045.00
B34	Floor Mats, carpet insert, two front	99,638	*
B35	Floor Mats, carpet insert, two rear	99,638	*
B48	Luggage Compartment Trim, deluxe	23,150	164.00
B84	Moldings, body side	110,500	*
B91	Moldings, door edge (black)	22,801	15.00
CC1	Roof Panels, removable glass	44,595	866.00
CD4	Windshield Wipers, intermittent	99,531	*
C49	Defogger, rear window	59,559	145.00
C60	Air Conditioning	104,642	775.00





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

Vehicle Line CAMARO  
Model Year 1989 Issued 6-88 Revised (e) \_\_\_\_\_

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

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

Model Year 1989

Issued 6-88

Revised (0)

• **Assess Engine - General** Section for dressed engine mass (weight).

**METRIC (U.S. Customary)**Model Year 1989

Issued 6-88

**Revised (●)**

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

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

Model Year 1989

**tested**

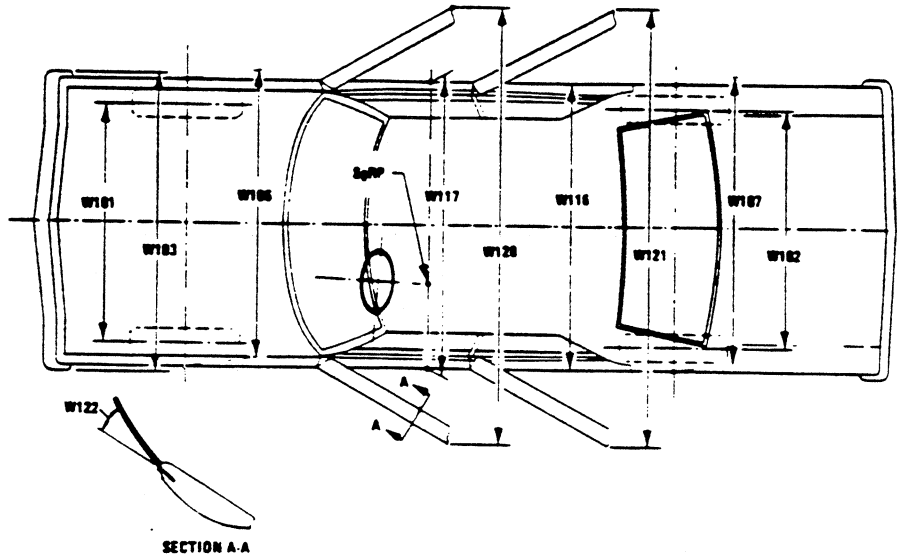
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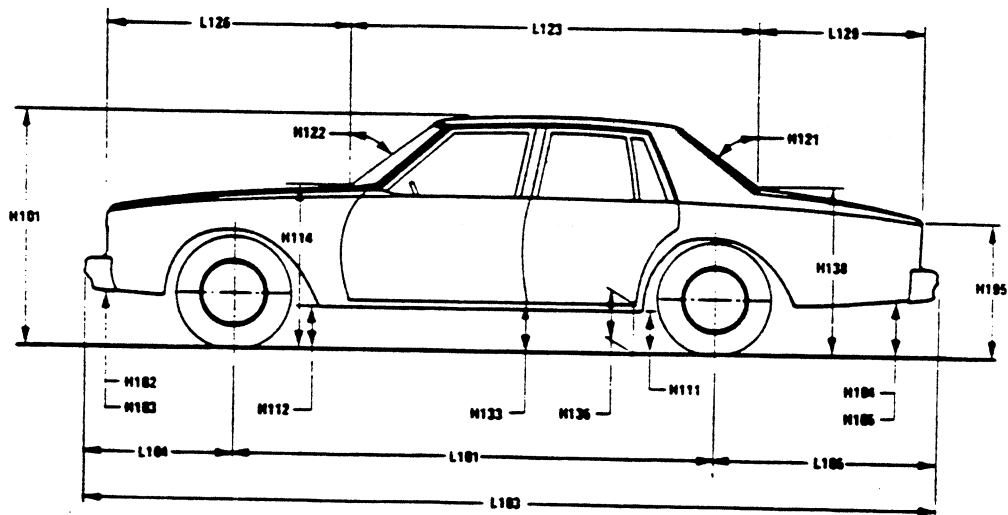
\* Also see Engine - General Section for dressed engine mass (weight).

### Exterior Vehicle And Body Dimensions – Key Sheet

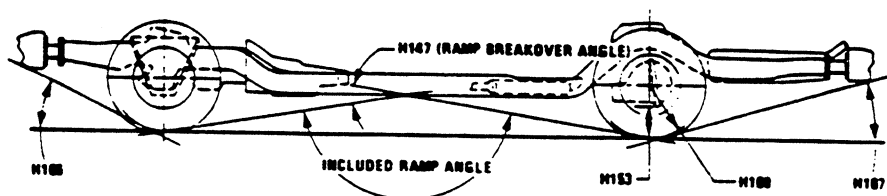
#### Exterior Width



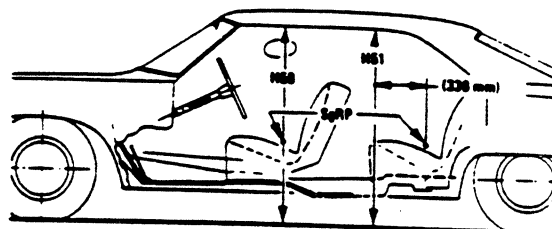
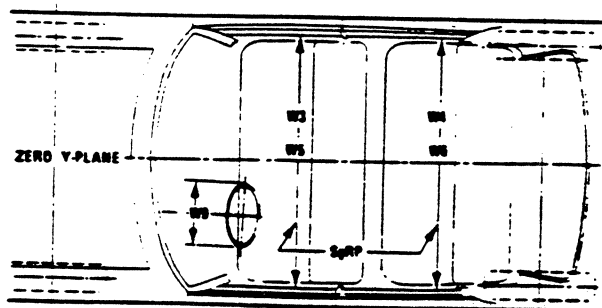
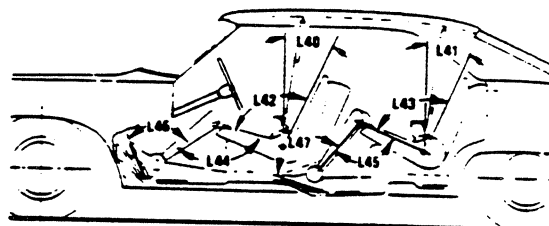
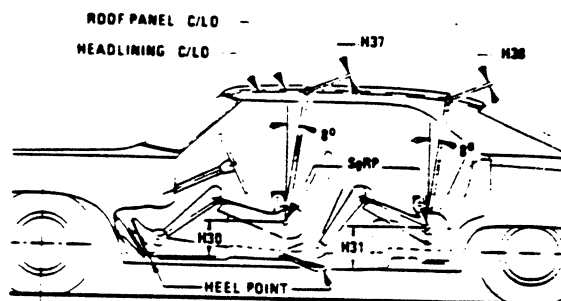
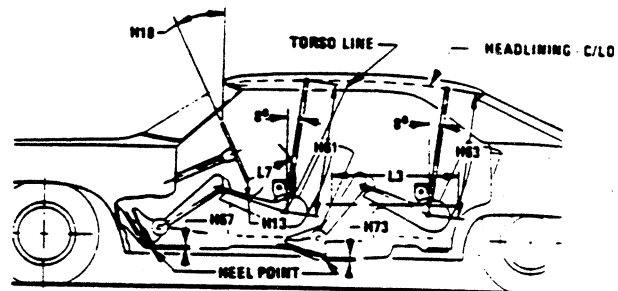
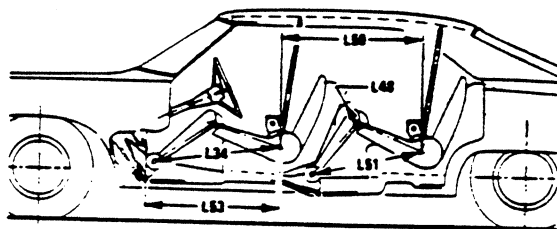
#### Exterior Length & Height



#### Exterior Ground Clearance

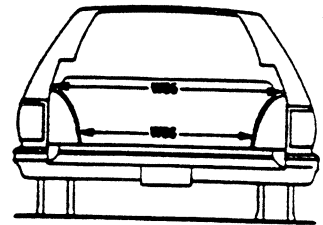
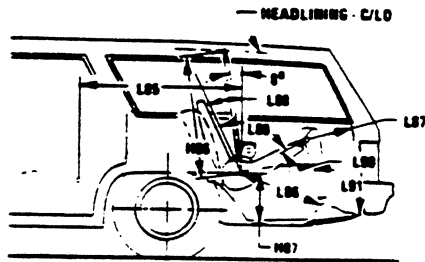


## Interior Vehicle And Body Dimensions - Key Sheet

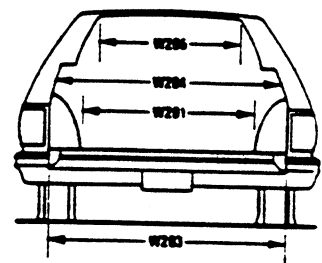
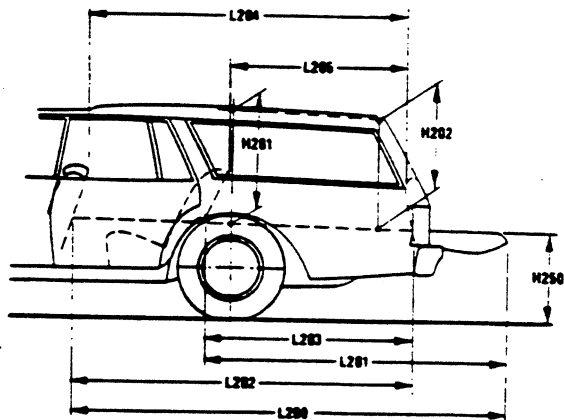


## Interior Vehicle And Body Dimensions - Key Sheet

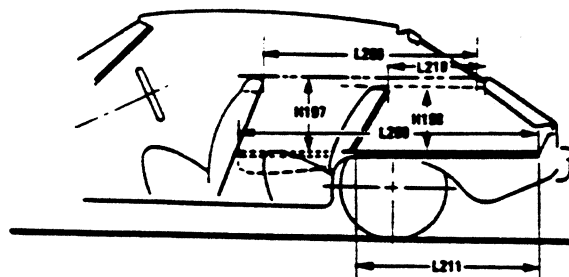
Third Seat



Cargo Space



Station Wagon



Hatchback

## METRIC (U.S. Customary)

### Exterior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

#### Seating Reference Point

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

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

#### Width Dimensions

- W101 TREAD—FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD—REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W106 FRONT FENDER WIDTH. The dimension measured between the widest points at the front wheel centerline, excluding moldings.
- W107 REAR FENDER WIDTH. The dimension measured between the widest points at the rear wheel centerline, excluding moldings.
- 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 front 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.

#### Length Dimensions

- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. 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 hooks 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.
- L125 COWL POINT "X" COORDINATE.
- L126 FRONT END LENGTH. The dimension measured longitudinally from the cowl point to the foremost point on the vehicle at the zero "Y" plane excluding ornamentation or bumpers. In cases where bumpers and/or grills are integrated with the profile, measurement is made at the foremost point of front end contour.
- 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.
- L129 REAR END LENGTH. The dimension measured longitudinally from the deck point to the rearmost visible point of the body sheet metal at the zero "Y" plane, excluding ornamentation or bumpers.

#### 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.
- H133 BOTTOM OF DOOR CLOSED—FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.
- H135 BOTTOM OF DOOR CLOSED—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H109 STATIC LOAD—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.



## METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet  
Dimensions Definitions

- 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.

## Glass Areas

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

## Fiducial Mark Dimensions

- Fiducial Mark - Number 1
- L54 "X" coordinate.
- W21 "Y" coordinate.
- H81 "Z" coordinate.
- H161 Height "Z" coordinate to ground at curb weight.
- H163 Height "Z" coordinate to ground.
- Fiducial Mark - Number 2
- L55 "X" coordinate.
- W22 "Y" coordinate.
- W82 "Z" coordinate.
- H162 Height "Z" coordinate to ground at curb weight.
- H164 Height "Z" coordinate to ground.

## Front Compartment Dimensions

- L7 STEERING WHEEL TORSO CLEARANCE. The minimum dimension measured in the side view from the rearmost edge of the steering wheel, with front wheels in the straight ahead position, to the torso line.
- L11 ACCELERATOR HEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.
- L17 DESIGN H-POINT-FRONT TRAVEL. The dimension measured horizontally between the design H-point-front in the foremost and rearmost seat track positions. (See SAE J1100)
- L23 NORMAL DRIVING AND RIDING SEAT TRACK TRAVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100)

- L31 SgRP-FRONT. "X" COORDINATED.
- L34 MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP-front plus 254 mm (10.0 in) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.
- L40 BACK ANGLE-FRONT. The angle measured between a vertical line through the SgRP-front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.
- L42 HIP ANGLE-FRONT. The angle measured between torso line and thigh centerline.
- L44 KNEE ANGLE-FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.
- L46 FOOT ANGLE-FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826.
- L53 SgRP-FRONT TO HEEL. The dimension measured horizontally from the SgRP-front to the accelerator heel point.
- W3 SHOULDER ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP-front at height between the belt line and 254 mm (10.0 in.) above the SgRP-front, excluding the door assist strap and attaching parts.
- W5 HIP ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP-front within 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP-front and 76 mm (3.0 in.) fore and aft of the SgRP-front.
- W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.
- H13 STEERING WHEEL TO CENTERLINE OF THIGH. The minimum dimension measured from the bottom of steering wheel, with front wheels in the straight position, to the thigh centerline.
- H17 ACCELERATOR HEEL POINT TO THE STEERING WHEEL CENTER. The dimension measured vertically from the AHP-front to the intersection of the steering column centerline to a plane tangent to the upper surface of the steering wheel rim.
- H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
- H30 SgRP-FRONT TO HEEL. The dimension measured vertically from the SgRP-front to the accelerator heel point.
- H37 HEADLINING TO ROOF PANEL-FRONT. The dimension measured from the intersection of the headlining and the extended effective head room line normal to the sheet metal.
- H50 UPPER BODY OPENING TO GROUND-FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP-front "X" plane.
- H61 EFFECTIVE HEAD ROOM-FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP-front to the headlining plus 102 mm (4.0 in.).
- H67 FLOOR COVERING THICKNESS-UNDEPRESSED-FRONT. The dimension measured vertically from the surface of the undepressed floor covering to the underbody sheet metal at the accelerator heel point.

## Rear Compartment Dimensions

- L3 COMPARTMENT ROOM-SECOND. The dimension measured horizontally from the back of the front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.

# MVMA Specifications Form

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## METRIC (U.S. Customary)

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

- L-41 BACK ANGLE-SECOND. The angle measured between a vertical line through the SgRP-second and the torso line.
- L43 HIP ANGLE-SECOND. The angle measured between torso line and thigh centerline.
- L45 KNEE ANGLE-SECOND. The angle measured between thigh centerline and lower leg centerline.
- L47 FOOT ANGLE-SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flash line (Reference J626).
- L48 KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in.).
- L50 SgRP COUPLE DISTANCE-SECOND. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.
- L51 MINIMUM EFFECTIVE LEG ROOM-SECOND. The dimension measured along a line from the ankle pivot center to the SgRP-second plus 254mm (10.0 in.).
- W4 SHOULDER ROOM-SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP-second at height between 254-406 mm (10.0-16.0 in.) above the SgRP-second, excluding the door assist straps and attaching parts.
- W6 HIP ROOM-SECOND. Measured in the same manner as W5.
- H31 SgRP-SECOND TO HEEL. The dimension measured vertically from the SgRP-second to the two dimensional device heel point on the depressed floor covering.
- H38 HEADLINING TO ROOF PANEL-SECOND. The dimension measured from the intersection of the headlining and the extended effective head room line normally to the roof sheet metal.
- H51 UPPER BODY OPENING TO GROUND-SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP-second.
- H63 EFFECTIVE HEAD ROOM-SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).
- H73 FLOOR COVERING-DEPRESSED-SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.

### 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.
- H195 LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

### Interior Volumes (EPA Classification)

The Interior Volume 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 interior volume index is an estimate of the size of the passenger compartment.

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 - 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 51mm (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 - 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 undeepressed floor covering to the rearmost point on the undeepressed 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 undeepressed floor covering to the rearmost point on the undeepressed 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 undeepressed floor covering to the rearmost point on the undeepressed 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 undeepressed floor covering to the rearmost point on the undeepressed 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 at the 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 wheelhouse sills at floor level. For any vehicle not trimmed, measure to the sheet metal.

# MVMA Specifications Form

## METRIC (U.S. Customary)

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

- 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.
- 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.
- V2 STATION WAGON  
Measured in inches:  

$$\frac{W4 \times H201 \times L204}{1728} = \text{ft}^3$$
 Measured in mm:  

$$\frac{W4 \times H201 \times L204}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- 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
- V5 TRUCKS AND MPV'S WITH OPEN AREA.  
Measured in inches:  

$$\frac{L506 \times W500 \times H503}{1728} = \text{ft}^3$$
 Measured in mm:  

$$\frac{L506 \times W500 \times H503}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- V6 TRUCKS AND MPV'S WITH CLOSED AREA.  
Measured in inches:  

$$\frac{L204 \times W500 \times H505}{1728} = \text{ft}^3$$
 Measured in mm:  

$$\frac{L204 \times W500 \times H505}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- 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.
- V10 STATION WAGON CARGO VOLUME INDEX.  
Measured in inches:  

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{1728} = \text{ft}^3$$
 Measured in mm:  

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

### 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 electrically adjusted seats, see the manufacturer's specifications for Design "H" Point).

- 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.
- L209 CARGO LENGTH AT FLOOR-FRONT-HATCHBACK. 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.
- L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT-HATCHBACK. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback or the load floor which is stowed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "Y" plane.
- L211 CARGO LENGTH AT FLOOR-SECOND HATCHBACK. 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.
- 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.
- H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the second seat back to the undepressed floor covering.
- V3 HATCHBACK.  
Measured in inches:  

$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{ft}^3$$
 Measured in mm:  

$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{m}^3 \text{ (cubic meter)}$$
- 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.
- V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor:  
Measured in inches:  

$$\frac{L210 + L211}{2} \times W4 \times H198 = \text{ft}^3$$
 Measured in mm:  

$$\frac{L210 + L211}{2} \times W4 \times H198 = \text{m}^3 \text{ (cubic meter)}$$

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