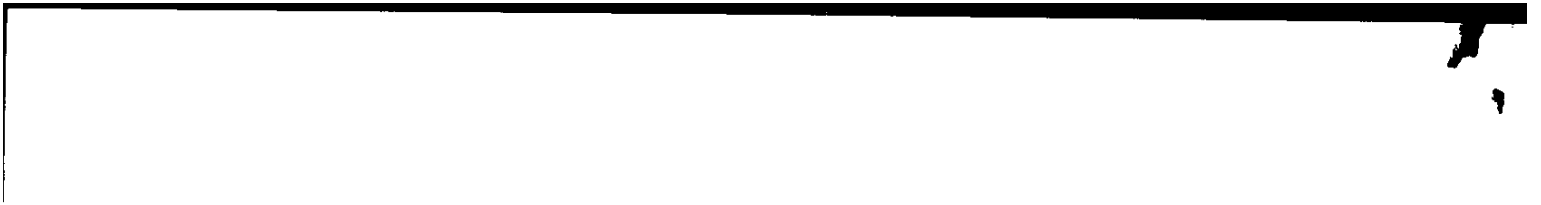


1991
CHEVROLET
CORVETTE



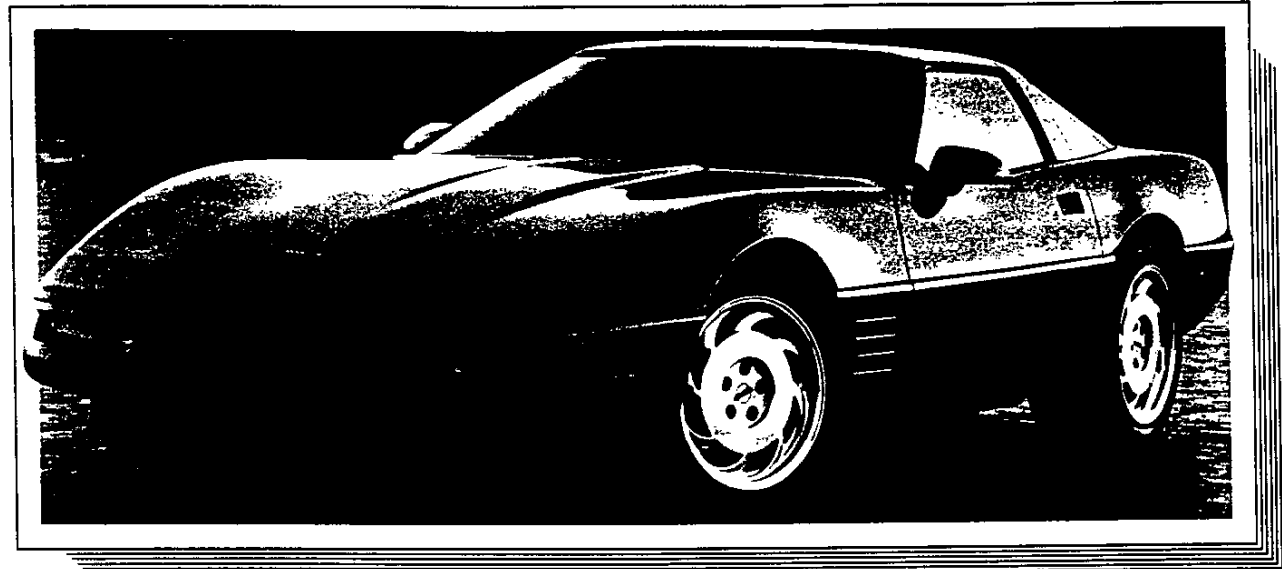
'91 CORVETTE

CORVETTE	MODEL NUMBER	PASSENGER CAPACITY
2-Door Coupe	1YY07	All Models
2-Door Convertible	1YY67	

Note: Corvette ZR-1 is not covered in this Order Guide section.

2

Corvette Coupe.



HIGHLIGHTS

- New exterior design includes new front fascia with wraparound park/turn/fog lamps and new ZR-1 look-alike rear fascia and taillamps.
- Standard coupe and convertible feature body-color body-side moldings, new gill panels, new wheels and fascia-mounted rear high-mounted stop lamp.
- Standard engine is the 5.7 Liter V8 with Tuned-Port Fuel Injection (TPI) and low oil level indicator.
- Choice of 4-speed automatic overdrive or 6-speed manual no-charge options.
- Independent front and rear suspension with transverse fiberglass leaf springs and forged aluminum A-arms.
- A Supplemental Inflatable Restraint (SIR) system is standard on the driver's side.
- Newly designed lightweight 17" x 9½" wheels with P275/40ZR-17 Eagle tires.
- Optional Delco/Bose premium sound system with digital compact disc and cassette player available.
- Base cooling system negates need for a heavy-duty cooling option.
- Electronic Selective Ride and Handling option (RPO FX3).

EQUIPMENT AVAILABILITY

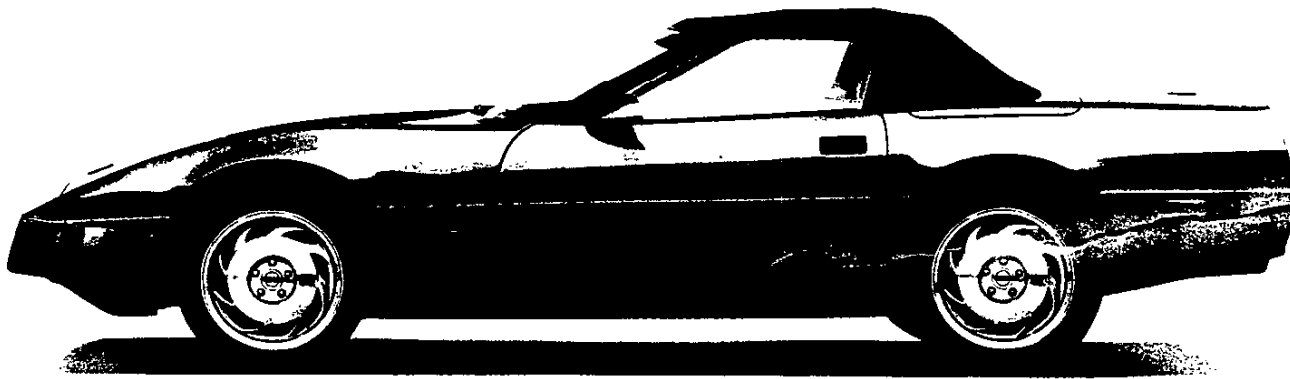
Power-operated retractable halogen headlamps	S	S
Halogen fog lamps	S	S
Dual electrically adjusted and heated outside rearview mirrors	S	NA
Full-glass rear hatch with roller cargo cover	S	NA
One-piece removable fiberglass roof panel	S	S
Full-folding roof	NA	S
PASS-Key® anti-theft system	S	S
Intermittent wiper system	S	S
Electronic speed control with Resume Speed	S	S
Air conditioning	S	NA
Heated rear window	S	S
Leather-wrapped steering wheel with Supplemental Inflatable Restraint (SIR)	S	S
AM/FM stereo radio with seek-scan, cassette, four speakers and automatic power antenna	S	S
Power door locks	S	S
Power windows	S	S
Cloth bucket seats with lateral support and back angle adjustment plus wool-pad comfort liner	S	S
Outside engine air induction	S	S
P275/40ZR-17 Eagle radial tires	S	S
17" x 9½" cast aluminum wheels	S	S
Power 4-wheel disc brakes	S	S
Bosch ABS IIS anti-lock braking system	S	S
Power rack-and-pinion steering	S	S
Bilstein gas-charged shock absorbers	S	S
Underhood lamps	S	S
Acoustical insulation package	S	S
Uniframe-design body structure with corrosion-resistant coating	S	S

S—Standard. NA—Not Available.

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

ORDERING INFORMATION

CONVERTIBLE TOP COLORS



10T-White.

19T-Black.

68T-Saddle.

PREFERRED EQUIPMENT GROUPS

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

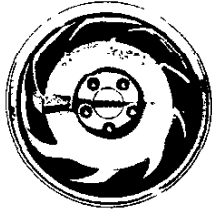
DESCRIPTION	CORVETTE COUPE	CORVETTE CONVERTIBLE
	P.E.G. 1	P.E.G. 1
Electronic Air Conditioning	X	X
Delco/Bose Stereo Music System	X	X
Power Seat, Six-Way (Driver's)	X	X
INDIVIDUAL OPTIONS		
Radio Equipment		
Delco/Bose Stereo Music System	X*	X*
Delco/Bose Stereo Music System with Digital Compact Disc and Cassette Player	0	0
Additional Individual Options		
Electronic Air Conditioning	X*	X*
Performance Ratio Axle (requires Engine Oil Cooler; not available with 6-speed Manual)	0	0
Engine Block Heater	0	0
Low Tire Pressure Warning	0	0
Heavy-Duty Brakes	0	0
Engine Oil Cooler	0	0
Power Seat, Six-Way (Driver's)	X*	X*
Power Six-Way Seat (Passenger's; requires Power Driver's Seat)	0	0
Roof Panel—Transparent Removable—Blue Tint	0	
Roof Panel—Transparent Removable—Bronze Tint	0	
Roof Package (Incls. Standard Solid Panel and Transparent Blue or Bronze Tint Panel)	0	
Electronic Selective Ride and Handling†	0	0
Luggage Carrier (Black)		0
Hardtop, Removable		0

X—Included in P.E.G. 0—Available Individual Option. *Also available as an Individual Option with Base Vehicle Group.

†Adjustable handling package for ultimate driver comfort and control through the use of the driver adjustable, speed compensated ride control system.

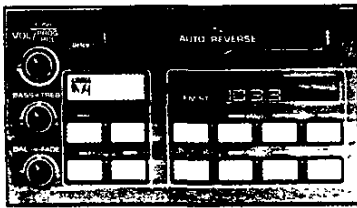
Refer to Passenger Car Order Guide for option availability and application.

WHEEL TRIM

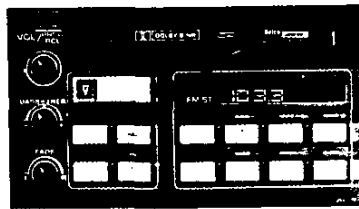


Corvette standard 17" x 9½"
cast aluminum wheels.

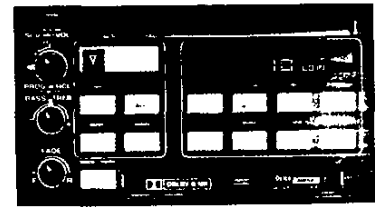
RADIOS



Standard electronically tuned AM/FM stereo radio with seek-scan, stereo cassette tape player, digital clock, four stereo speakers and power antenna.



Optional Delco/Bose Music System, with electronically tuned AM/FM stereo radio with seek-scan, stereo cassette tape player, digital clock and six tuned Bose stereo speakers (RPO UU8).

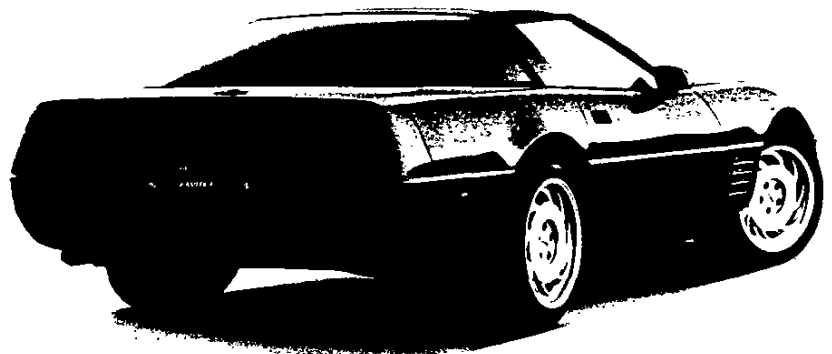


Optional Delco/Bose Music System with electronically tuned AM/FM stereo radio, automatic Up/Down Seek, speed-activated volume control, stereo digital compact disc player, stereo cassette tape player, digital clock and six tuned Bose stereo speakers (RPO U1F).

VALUE FEATURES

Corvette models include many standard features that enhance operation, safety and convenience. For 1991, these include:

- Bosch ABS IIS anti-lock braking system.
- Power 4-wheel disc brakes.
- Power steering.
- PASS-Key™ Anti-theft system.
- Bilstein gas-charged shock absorbers.
- Supplemental Inflatable Restraint (SIR) system on driver's side.
- Electronic speed control with Resume Speed.
- Air conditioning.
- Dual electrically adjusted and heated outside rearview mirrors.
- Tilt steering wheel.



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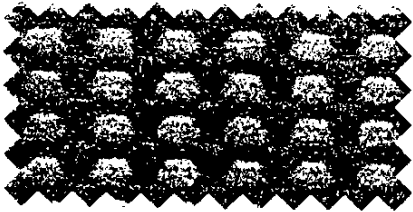
All illustrations and specifications in this brochure are based on the latest product information available at the time of publication approval. The right is reserved to make changes at any time, without notice, in colors, materials, specifications and models, and also to discontinue models. Chevrolet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



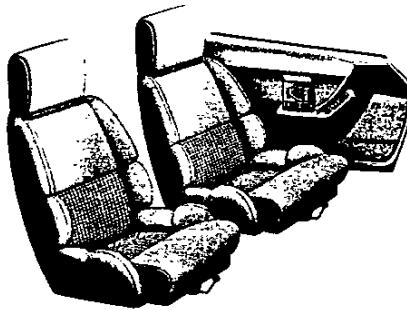
Refer to Passenger Car Order Guide for option availability and application.

SEAT TYPES & COLORS

CORVETTE STANDARD CLOTH SEAT TRIM



Standard cloth trim available in Black or Saddle.

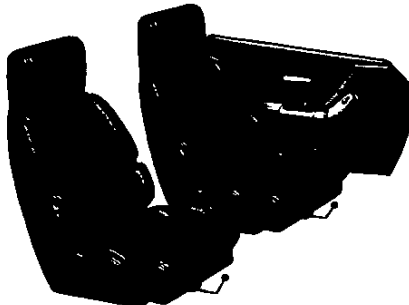


Standard cloth reclining bucket seats with integral head restraints and wool-pad comfort liner.

CORVETTE OPTIONAL LEATHER BUCKET SEATS



Optional leather seat trim available in Blue, Black, Gray, Red or Saddle.

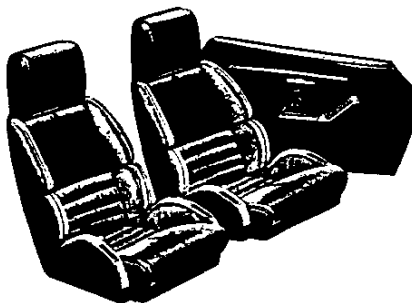


Optional leather reclining bucket seats with integral head restraints and wool-pad comfort liner.

CORVETTE OPTIONAL SPORT SEATS WITH LEATHER TRIM*



Optional leather sport seat trim available in Blue, Black, Gray, Red or Saddle.



Optional articulated sport seats with leather trim.*

*Requires optional power seats.

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

CHEVROLET SPECIFICATIONS - 1991 CORVETTE

MODELS PASSENGERS

Coupe 1YY07	2
Convertible 1YY67	2

DIMENSIONS (inches)

EXTERIOR

Wheelbase	96.2
Length (overall)	178.6
Width (overall)	71.0

INTERIOR

Head Room-Front	36.4
Shoulder Room-Front	54.0
Hip Room-Front	49.3
Leg Room-Front	42.6

LUGGAGE/CARGO CAPACITY (cu. ft.)

Luggage Compartment	Coupe 17.9
.....	Convertible 6.6

RATED FUEL TANK CAPACITY (gallons) 20.0

POWER TEAMS

STANDARD ENGINE

RPO - L98 5.7 Liter (350 cu. in.) V8 with Tuned-Port Fuel Injection (TPI)

STANDARD TRANSMISSION

4-Speed Automatic Overdrive

OPTIONAL TRANSMISSION

6-Speed Manual

STANDARD EQUIPMENT SUMMARY

Clamshell-Opening Front End Assembly for Easy Engine Access
 Power-Operated Retractable Halogen Headlamps
 Halogen Fog Lamps
 Dual Electrically Adjustable Heated Outside Rear View Mirrors
 Full-Glass Rear Hatch with Three Remote Releases and Roller-Shade Cargo Cover (Coupe)
 One-Piece Removable Fiberglass Roof Panel (Coupe)
 Full Folding Roof For Convertible
 Rear Back-up Lamps
 Front Cornering Lamps
 Center High-Mounted Stop Lamp (In Rear Fascia above License Plate Pocket)
 PASS-KEY Anti-Theft System
 Supplemental Inflatable Restraint (SIR) (Driver's Side Only)

Electronic Liquid-Crystal Instrumentation with Black/Yellow Analog and Digital Display; Switchable English or Metric Readouts
 Headlamps-on Reminder
 Intermittent Wiper System
 Electronic Speed Control with Resume Speed
 Air Conditioning
 Side Window Defoggers
 Rear Window Defogger (Coupe)
 Day/Night Rearview Mirror with Map and Ashtray Light
 AM/FM Stereo Radio with Cassette and Digital Clock*, Four Speakers and Automatic Power Antenna
 Center Console with Coin Tray, Cassette and CD Storage, Locking Lighted Storage Compartment, Air Conditioning, Radio, Electric Mirrors and Optional Power Seats and Selective Ride Control
 Leather-Wrapped Four-Spoke Sport Steering Wheel
 Comfortilt Steering Wheel
 Power Door Locks
 Power Windows
 Cloth Seats with Lateral Support and Back Angle Adjustment
 5.7 Liter V8 Engine with Aluminum Heads, Magnesium Valve Rocker Covers, Tuned-Port Fuel Injection (TPI), Aluminum Intake Manifold with Tuned Runners and Roller Valve Lifters
 Delcotron Generator with Built-in Solid State Regulator
 Outside Air Induction System
 17" x 9 1/2" Cast Aluminum Wheels with P275/40 ZR-17 Eagle Tires
 Bosch ABS IIS Anti-Lock Braking System
 Independent Front and Rear Suspension with Transverse Fiberglass Leaf Springs and Forged Aluminum A-Arms
 Bilstein Digressive Valving Monotube Shock Absorbers
 Power Rack-and-Pinion Steering
 Power Front/Rear Disc Brake System
 Underhood Lamps
 Uniframe-Design Body Structure with Corrosion-Resistant Coating
 Acoustical Insulation Package
 Glove Box
 Illuminated Driver and Passenger Vanity Mirror
 Scotchgard™ Fabric Protector

*May be Upgraded

SEAT STYLES

STANDARD SEATS

Cloth Standard Bucket Seat

OPTIONAL SEATS

Leather Bucket
 Leather Adjustable Sport Bucket

REVISED: 2-25-91

1991 ORDER GUIDE

CORVETTE
 Page 1

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.

CORVETTE COUPE

COLOR AND TRIM SELECTION

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

Interior Trim Color		Blue	Black	Gray	Red	Saddle
MODEL	SEAT TYPE					
1YY07	Leather Bucket	ADD2	ABB2	AQQ2	ARR2	AUU2
	*Leather Adjustable Sport Bucket	ADD8	ABB8	AQQ8	ARR8	AUU8
	Cloth Bucket		HBB2			HUU2

*Reqs AC1 & AC3 Power Seats

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code 1	Color Code 2	Blue	Black	Gray	Red	Saddle
Black	41	41	x	x	x	x	x
Blue, Med Quasar (Met)	80	80		x			x
Blue, Steel (Met)	25	25	x	x			
Charcoal, Corvette (Met)	96	96		x	x		x
Green, Corvette Polo (Met)	91	91		x			x
Red, Corvette Bright	81	81		x	x	x	x
Red, Corvette Dk (Met)	75	75		x			x
Turquoise (Met)	42	42		x			x
White, Corvette	10	10	x	x	x	x	x
Yellow, Corvette	35	35		x	x		x

POWER TEAMS

ENGINE OPTION CONDITION	AXLE RATIO		
	2.59	3.07	3.45
WITH NA5 STANDARD EMISSIONS			
L98 MX0	Std	G92	----
MN6	----	----	Std
WITH NN5 CALIFORNIA EMISSIONS			
L98 MX0	Std	G92	----
MN6	----	----	Std

33,005.00 **Model 1YY07**

PREFERRED VEHICLE MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED

1,333.00	Preferred Equipment Group 1 Air Conditioning - Electronic Delco/Bose Music System. Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock Power Seat (Driver)	CVA1 x x x
----------	--	--------------------------------

Base Vehicles may be ordered by specifying Preferred Equipment Group Code CVAB

REGIONALIZED OPTIONS ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY

N.C.	ENGINE (Must Order) L98 5.7 Liter TPI V8	N.C	J55	Brakes, Heavy-Duty (Reqs Z07 Adjustable Performance Handling Package)
N.C.	TRANSMISSION (Must Order One) MX0 4-Speed Automatic	110.00	KC4	Cooler, Engine Oil (Reqs MN6 Trans or G92 Axle)
N.C.	MN6 6-Speed Manual (Reqs KC4 Eng Oil Cooler)	325.00	UJ6	Low Tire Pressure Warning
N.C.	EMISSION (Must Order One) NA5 Standard Emissions	305.00	AC3	Power Seat, Six-Way (Driver) (Incl w/Group CVA1)
100.00	NN5 California Emissions	305.00	AC1	Power Seat, Six-Way (Passenger) (Reqs AC3 Power Seat)
N.C.	TIRES ---- P275/40 ZR17 B/W (Base)	650.00	24S	Roof Panels-Transparent Removable, Blue Tint
N.C.	WHEELS ---- 17 x 9 1/2' Aluminum Wheels (Base)	650.00	64S	Roof Panels-Transparent Removable, Bronze Tint
V.P.S.	RADIO EQUIPMENT ---- AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape Player, Power Antenna and Digital Clock (Base)	950.00	C2L	Roof Package (Incls Std Solid Panel and Transparent Panel) (Reqs 24S or 64S Panel)
V.P.S.	UU8 Delco/Bose Music System. Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock (Incl w/Group CVA1)	1,695.00	FX3	Selective Ride and Handling, Electronic. The Handling Package for Ultimate Driver Comfort and Control Through the Use of the Driver Adjustable, Speed Compensated Ride Control System. (Incls Std Suspension Components and Bilstein Adjustable Ride Control System)
V.P.S.	U1F Delco/Bose Music System. Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape, Compact Disc Player and Digital Clock	2,155.00	Z07	Adjustable Performance Handling Package (Driver Adjustable Performance Oriented Package for the Gymkhana/Autocross Enthusiast) (Incls Bilstein Adjustable Ride Control System with Performance Oriented Calibration, Stiffer Springs, Shocks, Stabilizer Bars and Bushings, Heavy-Duty Brakes and Engine Oil Cooler) (with MX0 Trans Reqs G92 Axle)
475.00	INTERIOR TRIM A**2 Leather Bucket			Priced Order Acknowledgement
1,100.00	A**8 Leather Adjustable Sport Bucket			
N.C.	H**2 Cloth Bucket			
205.00	ADDITIONAL OPTIONS C68 Air Conditioning, Electronic (Incl w/Group CVA1)			
50.00	G92 Axle, Performance Ratio (N/A MN6 Trans) (Reqs KC4 Eng Oil Cooler and FX3 Selective Ride and Handling/Z07 Adjustable Performance Handling Package)			
		N.C.	R8T	

REVISED: 2-25-91

1991 ORDER GUIDE

CORVETTE
Page 3

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.

CORVETTE CONVERTIBLE

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		Blue	Black	Gray	Red	Saddle
MODEL	SEAT TYPE					
1YY67	Leather Bucket	ADD2	ABB2	AQQ2	ARR2	AUU2
	* Leather Adjustable Sport Bucket	ADD8	ABB8	AQQ8	ARR8	AUU8
	Cloth Bucket		HBB2			HUU2

*Reqs AC1 & AC3 Power Seats

@CONVERTIBLE TOP SELECTOR

Exterior Paint Color	Color Code 1	Color Code 2	Blue	Black	Gray	Red	Saddle
Black	41	41	41T	10T/41T	10T/41T	41T	41T/68T
Blue, Med Quasar (Met)	80	80		41T			68T
Blue, Steel (Met)	25	25	10T/41T/29T	10T/41T			
Charcoal, Corvette (Met)	96	96		10T/41T	10T/41T		
Green, Corvette Polo (Met)	91	91		41T/68T			41T/68T
Red, Corvette Bright	81	81		10T/41T	10T/41T	10T/41T	41T/68T
Red, Corvette Dk	75	75		10T/41T			41T/68T
Turquoise (Met)	42	42		41T			68T
White, Corvette	10	10	10T/29T	10T/41T	10T/41T	10T/41T	10T/68T
Yellow, Corvette	35	35		10T/41T	10T/41T		41T/68T

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

CONVERTIBLE TOP COLOR

WHITE 10T BLACK.....41T BLUE.....29T SADDLE 68T

POWER TEAMS

ENGINE OPTION CONDITION	AXLE RATIO		
	2.59	2.73	3.45
WITH NA5 STANDARD EMISSIONS			
L98 MX0	Std	G92	---
MN6	---	---	Std
WITH NN5 CALIFORNIA EMISSIONS			
L98 MX0	Std	G92	---
MN6	---	---	Std

CORVETTE CONVERTIBLE

39,320.00 **Model 1YY67**

PREFERRED VEHICLE

MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED

1,333.00	Preferred Equipment Group 1 Air Conditioning - Electronic Delco/Bose Music System. Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock Power Seat (Driver)	CYA1 x x x
----------	--	--------------------------------

Base Vehicles may be ordered by specifying Preferred Equipment Group Code CYAB

REGIONALIZED OPTIONS

ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY

N.C.	ENGINE (Must Order) L98 5.7 Liter TPI V8	475.00	INTERIOR TRIM A**2 Leather Bucket
N.C.	TRANSMISSION (Must Order One) MX0 4-Speed Automatic	1,100.00	A**8 Leather Adjustable Sport Bucket
N.C.	MN6 6-Speed Manual (Reqs KC4 Eng Oil Cooler)	N.C. 205.00	H**2 Cloth Bucket
N.C.	EMISSION (Must Order One) NA5 Standard Emissions	50.00	ADDITIONAL OPTIONS C68 Air Conditioning, Electronic (Incl w/Group CYA1)
100.00	NN5 California Emissions		G92 Axle, Performance Ratio (N/A MN6 Trans) (Reqs KC4 Eng Oil Cooler and FX3 Selective Ride and Handling)
N.C.	TIRES ---- P275/40 ZR17 B/W (Base)		V56 Carrier, Luggage: Black
N.C.	WHEELS ---- 17 x 9 1/2" Aluminum Wheels (Base)	140.00 110.00	KC4 Cooler, Engine Oil (Reqs MN6 Trans or G92 Axle)
V.P.S.	RADIO EQUIPMENT ---- AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape Player, Power Antenna and Digital Clock (Base)	1,995.00 325.00 305.00	CC2 Hardtop, Removable UJ6 Low Tire Pressure Warning AC3 Power Seat, Six-Way (Driver) (Incl w/Group CYA1)
V.P.S.	UU8 Delco/Bose Music System. Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock (Incl w/Group CYA1)	N.C. 1,695.00	AC1 Power Seat, Six-Way (Passenger) (Reqs AC3 Power Seat)
V.P.S.	U1F Delco/Bose Music System Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape, Compact Disc Player and Digital Clock		R8T Priced Order Acknowledgement FX3 Selective Ride and Handling, Electronic. The Handling Pack- age for Ultimate Driver Comfort and Control Through the Use of the Driver Adjustable, Speed Compensated Ride Control System. (Incls Std Suspension Components and Bilstein Adjustable Ride Control System)

NOTES

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1991

Manufacturer CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Vehicle Line CORVETTE	
Mailing Address CHEVROLET PONTIAC CANADA GROUP ENGINEERING CENTER GENERAL MOTORS CORPORATION 30003 VAN DYKE WARREN, MICHIGAN 48090-9060	Issued JUNE, 1990	Revised SEPTEMBER, 1990

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

MVMA Specifications

METRIC (U.S. Customary)

Table of Contents

○	1	Vehicle Models/Origin	○	Indicates that Change From Previous Year
	2	Power Teams		
○	3	Engine		
	4	Lubrication System		
	4	Diesel Information		
	5	Cooling System		
	6	Fuel System		
	7	Vehicle Emission Control		
	7	Exhaust System		
	8-10	Transmission, Axles and Shafts		
	11	Suspension		
	12-13	Brakes, Tires and Wheels		
	14	Steering		
○	15-16	Electrical		
	17	Body — Miscellaneous Information		
	18	Restraint System		
	18	Glass		
	18	Headlamps		
	18	Frame		
	19-20	Convenience Equipment		
○	20	Trailer Towing		
	21-23	Vehicle Dimensions		
	24	Vehicle Fiducial Marks		
○	25	Vehicle Mass (Weight)		
	26	Optional Equipment Differential Mass (Weight)		
	27-33	Vehicle Dimensions Definitions - Key Sheets		
○	34	Index		

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) specs. 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.

FORM MVMA-91

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	Chevrolet-Pontiac-GM of Canada
Where built (country)	U.S.A.
Authorized U.S. Sales marketing representative	Chevrolet Motor Division

o Vehicle Models

Model Description & Drive (FWD/RWD/AWD/4WD)*	Make, Vehicle Models, Sens., Body Type (Mfg's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
CORVETTE				
2-Door Coupe (RWD)	1YY07	2 (2/0)	45.4 (100)	16/24
2-Door Convertible (RWD)	1YY67	2 (2/0)	45.5 (100)	16/24
2-Door Coupe (RWD) (Special Performance ZR-1 Coupe)	1YZ07	2 (2/0)	45.5 (100)	16/25

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

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary) Power Teams

SAE J1349 Net bhp (brake hrspwr) and Net Torque corrected to 77 deg. F / 25 deg. C and 29.61 in. Hg/100 kPA atmos. press.

		A	B	C	D	
E N G I N E	Engine Code	L98	L98	L98	L98	
	Displacement Liters (cu. in.)	5.7 (350)	5.7 (350)	5.7 (350)	5.7 (350)	
	Induction system (FI, Carb, etc.)	Multi-Port Fuel Injection	Multi-Port Fuel Injection	Multi-Port Fuel Injection	Multi-Port Fuel Injection	
	Compression ratio	10.0:1	10.0:1	10.0:1	10.0:1	
	SAE Net at RPM	Power kW (bhp)	186 (250) @ 4400	183 (245) @ 4000	186 (250) @ 4400	183 (245) @ 4000
		Torque Newton meters (lb.ft.)	474 (350) @ 3200	468 (345) @ 3200	474 (350) @ 3200	468 (345) @ 3200
	Exhaust Single, dual	Dual	Dual	Dual	Dual	
T R A N S	Transmission/ Transaxle	ML9 Manual Transmission 6-Speed	MD8 Auto Transmission 4-Speed	MD8 Auto Transmission 4-Speed	MD8 Auto Transmission 4-Speed	
	Axle Ratio (std. first)	3.45	2.59	3.07	2.73	

Series Availability		Power Teams (A - B - C - D)	
Model	Code	Standard	Optional
CORVETTE			
2-Dr. Coupe	1YY07	B	A, C
2-Dr. Convertible	1YY67	B	A, D
2-Dr. Coupe (Special Performance ZR-1)	1YZ07	E	

MVMA Specifications

Vehicle Line CORVETTE

Model Year 1991 - Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary) Power Teams

SAE J1349 Net bhp (brake hrspwr) and Net Torque corrected to 77 deg. F / 25 deg. C and 29.81 in. Hg/100 kPA atmos. press.

		E	F	G	H	
ENGINE	Engine Code	LT5				
	Displacement Liters (cu. in.)	5.7 (350)				
	Induction system (FI, Carb, etc.)	Multi-Port Fuel Injection				
	Compression ratio	11.0:1				
	SAE Net at RPM	Power kW(bhp)	280 (375) @ 5800			
		Torque Newton meters (lb.ft.)	502 (370) @ 4800			
	Exhaust Single, dual	Dual				
TRANS	Transmission/ Transaxle	ML9 Manual Transmission 6-Speed				
	Axle Ratio (std. first)	3.45				

Series Availability

Power Teams (A - B - C - D)

Model	Code	Standard	Optional

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 - Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description
 Engine Code

5.7 LITER V8 (350 CID)
 MULTI-PORT FUEL INJECTION RPO L98

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		90 deg. V, Front, Longitudinal
Manufacturer		General Motors Engine Division
No. of cylinders		8
Bore		101.6 mm (4.00 in.)
Stroke		88.4 mm (3.48 in.)
Bore spacing (C/L to C/L)		111.8 mm (4.40 in.)
Cyl block matl & mass kg(lbs.)(machined)		Cast Iron, 68.674 (151.5)
Cylinder block deck height		229.4 mm (9.025 in.)
Cylinder block length		506.2 mm (19.93 in.)
Deck clearance (minimum) (above or below block)		.025 Below
Cyl. head material & mass kg (lbs.)		Aluminum, 19.800 (43.7)
Cylinder head volume (cu.cm.)(cu.in.)		55.9
Cylinder liner material		Not Applicable
Head gasket thickness (compressed)		1.245 mm (.049 in.)
Minimum combustion chamber total volume (cm. cu.)(cu. in.)		75.47 Combustion Chamber With Piston At Top Dead Center And All Components In Place Torqued To Specifications.
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 matl & mass kg(lbs.)**		Cast Aluminum, 6.117 (13.5)
Exh. manifold matl & mass kg (lbs.)**		Steel, 3.68 (8.0)
Knock sensor (yes/no)		Yes
Fuel required unleaded, diesel, etc.		Unleaded
Fuel antiknock index (R + M) / 2		91
Engine mounts	Quantity	2
	Matl and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric
	Added isolation (sub-frame, crossmember, etc.)	Crossmember Mounted
Total dressed engine mass (wt) dry***		252.8 kg (557 lbs.)

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Impacted Cast Aluminum, .540 (1.2)
--	------------------------------------

Engine Camshaft

Location		In Cylinder Block "V" Above Crankshaft
Material & mass kg (weight, lbs.)		Steel, 4.200 (9.3)
Drive type	Chain/belt	Chain
	Width/pitch	15.976 x 12.7 mm (.625 x .5 in.)

*Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.
 **Finished state.
 ***Dressed engine mass (weight) includes the following:

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description
 Engine Code

5.7 LITER V8 (350 CID)
 MULTI-PORT FUEL INJECTION RPO LT5

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	90 deg. V, Front, Longitudinal	
Manufacturer	General Motors Engine Division	
No. of cylinders	8	
Bore	99mm (3.90 in.)	
Stroke	93mm (3.66 in.)	
Bore spacing (C/L to C/L)	111.6mm (4.40 in.)	
Cyl. block mat'l & mass kg(lbs.) (machined)	Aluminum Alloy	
Cylinder block deck height	229.24mm (9.03 in.)	
Cylinder block length	506.2mm (19.93 in.)	
Deck clearance (minimum) (above or below block)		
Cyl. head material & mass kg (lbs.)	Aluminum Alloy, 34.01 (75)	
Cylinder head volume (cu.cm.) (cu.in.)	Not Available	
Cylinder liner material	Forged Aluminum Extrusion	
Head gasket thickness (compressed)		
Minimum combustion chamber total volume (cm. cu.) (cu. in.)	40cc (2.44 cu. in.)	
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 mat'l & mass kg(lbs.) **	Cast Aluminum	
Exh. manifold mat'l & mass kg (lbs.) **	Stainless Steel, 14.97 (33)	
Knock sensor (yes/no)	Yes	
Fuel required (unleaded, diesel, etc.)	Unleaded	
Fuel antiknock index (R + M) / 2	91	
Engine mounts	Quantity	2
	Mat'l and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Hydraulic
	Added isolation (sub-frame, crossmember, etc.)	-
Total dressed engine mass (wt) dry***	270.5 kg. (596 lbs.)	

Engine - Pistons

Material & mass, g (weight, oz.) - piston only
 Cast Aluminum, 6.35 (14)

Engine Camshaft

Location: In Cylinder Head Above Valves
 Material & mass kg (weight, lbs.): 9.07 (20)
 Induction Hardened Cast Iron
 Drive type: Chain/belt: Chain
 Width/pitch:

*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:

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 8-90

METRIC (U.S. Customary)

Engine Description
 Engine Code

5.7 LITER V8 (350 CID)
 MULTI-PORT FUEL INJECTION RPO L98

Engine - Valve System

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

8/8
 49.28 mm (1.94 in.) / 38.10 mm (1.50 in.)

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Steel, .604 (1.33)
Length (axis centerline to centerline)	144.78 mm (5.79 in.)

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

Fluroelastomer / One Piece, Lip Seal
 Fluroelastomer / One Piece, Lip Seal

Engine - Lubrication System

Normal oil pressure kPa(psi) @ eng. rpm	41 (6) @ 1000/124 (18) @ 2000/165 (24) @ 4000 (Hot)
Type oil intake (floating, stationary)	Stationary
Oil filter sys. (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4.0)

Engine - Diesel Information

(NOT APPLICABLE)

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

Engine - Intake System

(NOT APPLICABLE)

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

* Finished State

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description
 Engine Code

5.7 LITER V6 (350 CID)
 MULTI-PORT FUEL INJECTION RPO LT5

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)		Standard
Valves	Number intake/exhaust	16/16
	Head O.D. intake/exhaust	39mm (1.54 in.) / 35.2mm (1.39 in.)

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Steel, .875 (1.93)
Length (axes centerline to centerline)	145.6 mm (5.74 in.)

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Nitrided Forged Steel, 24.94 (55)	
End thrust taken by bearing (no.)	3	
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(ksi) @ eng rpm	345-450 (50-60) @ 2000
Type oil intake (floating, stationary)	Stationary
Oil filter sys. (full flow, part, other)	Full Flow
Capacity of cr/case, less filter-refill-L (qt)	8.55 (9)

Engine - Diesel Information

(NOT APPLICABLE)

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

Engine - Intake System

(NOT APPLICABLE)

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

* Finished State

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*)

METRIC (U.S. Customary)

Engine Description
 Engine Code

5.7 LITER V8 (350 CID)
 MULTI-PORT FUEL INJECTION RPO L98

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)		124.1 (18.0)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open @ deg's C(F)	90.6 (195)
Water Pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	13
	Number of pumps	1
	Drive (V-belt, other)	Single Belt Poly V Accessory Drive (Serpentine)*
	Bearing type	Sealed Double Row Ball
	Impeller material	Steel
	Housing material	Cast Aluminum
By-pass recirculation type (inter., ext.)		Internal
Cooling system capacity	With heater - L (qt.)	--
	With air conditioner-L(qt.)	Manual 13.86 (14.65), Automatic 13.73 (14.51)
	Opt. equip. specify-L(qt.)	--
Water jackets full length of cylinders, no)		Yes
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		No
Radiator core	Std., A/C, HD	A/C, Standard
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube
	Matl. mass kg (wgt., lbs.)	Aluminum Header, Tubes And Fins, Plastic Tanks
	Width	599.5 mm (23.6 in.)
	Height	382.4 mm (15.0 in.)
	Thickness	23.5 mm (0.9 in.) Base, 34.0 mm (1.3 in.) V01
Fins per inch @		2.5
Radiator end tank material		Plastic
Fan	Std., elec., opt.	Electric, Standard
	Number of blades & type (flex, solid, material)	5-Blades, High Efficiency Curved Blades And Ring Shroud, Plastic
	Diameter & projected width	423.0 mm (16.7 in.)
	Ratio (fan to crank) (rev.)	--
	Fan output type	Temp. Switch
	Drive type (direct, remote)	Electric
	RPM at idle (elec.)	2100
	Motor rating/wattage (elec.)	150
	Motor switch (type & location/elec.)	Temp. Switch
	Switch point (temp.,/ pressure/elec.)	106 deg. C.
	Fan shroud (material):	

@ - Distance Between Top Of Fins.

* - 21.36mm (0.84") Wide, 5.20mm (0.20") Thick With Uniform Dynamic Tensioner.

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 - Issued 6-90 Revised(*) _____

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (350 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LT5

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)		117.2 (17.0)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open @ deg's C(F)	83.7 (190)
Water Pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	12
	Number of pumps	1
	Drive (V-belt, other)	Single Belt Poly V Accessory Drive (Serpentine)
	Bearing type	Sealed Double Row Ball
	Impeller material	Steel
Housing material		Cast Aluminum
By-pass recirculation type (inter., ext.)		Internal
Cooling system capacity	With heater - L (qt.)	Not Applicable
	With air conditioner - L (qt.)	15.81 (16.7)
	Opt. equip. specify - L (qt.)	Not Applicable
Water jackets full length of cyl (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		Yes
Radiator core	Std., A/C, HD	A/C Standard
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube
	Matl., mass kg (wt., lbs.)	Aluminum Header, Tubes And Fins, Plastic Tanks
	Width	
	Height	
	Thickness	34 (1.34)
Fins per inch		
Radiator end tank material		Plastic
Fan	Std., elec., opt.	Electric, Standard
	Number of blades & type (flex, solid, material)	5 Blades High Efficiency Curved Blades And Ring Shroud Plastic
	Diameter & projected width	299mm (11.77 in.)
	Ratofan to crankft.rev.)	Not Applicable
	Fan cutout type	Temp Switch
	Drive type (direct, remote)	Electric
	RPM at idle (elec.)	2100
	Motor rating (wattage) (elec.)	(150)
	Motor switch (type & location/elec.)	Temp Switch
	Switch point (temp.,/ pressure/elec.)	106 deg. C.
	Fan shroud (material)	Plastic Ring Shroud

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1981 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (350 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO L98

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

Induction type: carburetor, fuel injection system, etc.		TPI - Tuned Port Fuel Injection
Manufacturer		AC/Rochester Products
Carburetor no. of barrels		None
Idle A/F mix.		Preset - No Adjustment Provided
Fuel injection	Point of inj. (no.)	Fuel Injectors At Inlet Ports
	Constant, pulse, flow	Pulse
	Control (elec., mech.)	Electronic - On Board Computer
	Sys. press. kPa (psi)	300 (43.5)
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	None
		"
	Automatic	"
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water, Thermostat
Air cleaner type		Replaceable Paper Element
Fuel filter (type/location)		Frame Mounted
Fuel pump	Type (elec. or mech.)	Electric - Dual Turbine
	Location (eng., tank)	In Fuel Tank
	Press. range kPa (psi)	
	Flow rate at regulated pressure (L (gal)/hr @ kPa (psi))	

Fuel Tank

Capacity refill L (gallons)		75.7 (20.0)
Location (describe)		Under Rear Deck
Attachment		Rests On Rear Frame Extension, Held With Straps
Material & Mass kg (weight lbs.)		Super Terne Coated Steel With High Density Polyethylene Liner (*)
Filler pipe	Location & material	Center Of Rear Deck
	Connection to tank	Bolted With Gasket On Top Of Tank
Fuel line (material)		Super Terne Coated Steel
Fuel hose (material)		Viton
Return line (material)		Super Terne Coated Steel
Vapor line (material)		Super Terne Coated Steel
Extended range tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.a.	Not Applicable
	Capacity L (gallons)	"
	Location & material	"
	Attachment	"
	Sictr switch or valve	"
	Separate fill	"

(*) - 13.600 kg. (30.0 lbs.)

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*)

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (350 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LT5

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

Induction type: carburetor, fuel injection system, etc.	TPI - Tuned Port Fuel Injection	
Manufacturer	AC/Rochester Products	
Carburetor no. of barrels	None	
Idle A/F mix.	Preset - No Adjustment Provided	
Fuel Injection	Point of inj. (no.)	Fuel Injectors At Inlet Ports
	Constant, pulse, flow	Pulse
	Control (elec., mech.)	Electronic - On Board Computer
	Sys. press. kPa (psi)	Not Applicable
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	None
	Automatic	"
		"
Intake manifold heat control (exhaust or water thermostatic or fixed)	Water, Thermostat	
Air cleaner type	Replaceable Paper Element	
Fuel filter (type/location)	Frame Mounted	
Fuel pump	Type (elec. or mech.)	Electric - Dual Turbine
	Location (eng., tank)	In Fuel Tank
	Press. range kPa (psi)	
	Flow rate at regulated pressure (L (gal)/hr @ kPa (psi))	

Fuel Tank

Capacity refill L (gallons)	75.7 (20.0)	
Location (describe)	Under Rear Deck	
Attachment	Rests On Rear Frame Extension. Held With Straps	
Material & Mass kg /weight (lbs.)	Super Terne Coated Steel With High Density Polyethylene Liner (*)	
Filler pipe	Location & material	Center Of Rear Deck
	Connection to tank	Bolted With Gasket On Top Of Tank
Fuel line (material)	Super Terne Coated Steel	
Fuel hose (material)	Viton	
Return line (material)	Super Terne Coated Steel	
Vapor line (material)	Super Terne Coated Steel	
Extended range tank	Opt., n.s.	Not Applicable
	Capacity L (gallons)	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.s.	Not Applicable
	Capacity L (gallons)	"
	Location & material	"
	Attachment	"
	Stich switch or valve	"
	Separate fill	"

(*) - 13.600 kg. (30.0 lbs.)

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (350 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO L98

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air Injection W/Computer Command Control
	Air Injection	Pump or pulse	Vane
		Driven by	Serpentine - Single Belt Poly V Drive
		Air distribution (head, manifold, etc.)	Exhaust Manifold And Converter (CCC Controlled)
		Point of entry	Exhaust Manifold Ports
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled Flow
		Exhaust source	Inlet Manifold Exhaust Cross-Over Passage *
		Point of exh.inj. (spacer, carb., manifold, other)	Center Of Inlet Manifold Plenum
	Catalytic Converter	Type	Dual-Bed
		Number of	2 Front And 1 Rear
Location(s)		Front - 1 On Each Exhaust Pipe Rear - Underbody Tunnel Below Console	
Volume L (cu.in)		4.9161 (300)	
Substrate type		Monolith	
Noble metal type		Platinum (Pt), Palladium (Pd), Rhodium (Rh)	
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)		Inlet Manifold
	Air int.(breather cap, other)		Air Cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	--
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)		Dual
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs.)		2, Reverse Flow Aluminum Coated (Stainless Steel Body, Aluminum Coated Stainless Steel Inlet And Outlets)
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	57.0 x 1.72 mm (2.24 x .068 in.)
	Main o.d., wall thickness	76.2 x 1.83 mm (3.0 x .072 in.)
	Matl. & Mass kg (wght.lbs.)	Stainless Steel Tubing, 8.752 (21.50)
Intermediate pipe	o.d. & wall thickness	57.15 x 1.40 mm (2.25 x .055 in.)
	Matl. & Mass kg (wght.lbs.)	Aluminum Coated Stainless Steel, 4.75 (10.47)
Tail pipe	o.d. & wall thickness	Dual Outlets, 63.5 x 1.37 mm (2.5 x .054 in.)
	Matl. & Mass kg (wght.lbs.)	Aluminum Coated Stainless Steel **

(**) - Muffler & Tail Pipe Unit L.H. 6.69 (14.75) R.H. 6.69 (14.75)

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description **5.7 LITER V8 (350 CID)**
 Engine Code **MULTI-PORT FUEL INJECTION RPO LT5**

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air Injection W/Computer Command Control
	Air injection	Pump or pulse	Vane
		Driven by	Electric
		Air distribution (head, manifold, etc..)	Exhaust Manifold (CCC Controlled)
		Point of entry	Exhaust Manifold
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Not Available
		Exhaust source	Not Available
	Catalytic Converter	Point of exh.in. (spacer, carb., manifold, other)	Not Available
		Type	3 Way
		Number of	2
Location(s)		Exhaust Manifold (Close Coupled)	
Volume L (cu.in.)		2.5 (150.0), Each	
Substrate type		Monolith	
Crankcase Emission Control	Noble metal type	Platinum (Pt), Rhodium (Rh)	
	Noble metal concentration (g/cu. cm.)	0.001844 Each	
	Type (ventilates to atmosphere, induction system, other)	Induction System	
	Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum	
Evaporative Emission Control	Discharges to (intake manifold, other)	Intake Plenum	
	Air inlet (breather cap, other)	Air Cleaner	
	Vapor vented to (crankcase, canister, other)	Canister	
Electronic System	Fuel tank	Canister	
	Carburetor	--	
Electronic System	Vapor storage provision	Canister	
	Closed loop (yes/no)	Yes	
Electronic System	Open loop (yes/no)	No	

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Dual
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs.)		2, Reverse Flow Aluminized Stainless Steel, 24.64 (54.32)
Resonator no. & type		2
Exhaust pipe	Branch o.d., wall thickness	RH - 69.85 x 1.37mm (2.75 x .054 in.); LH - 69.85 x 1.37mm (2.75 x .054 in.)
	Main o.d., wall thickness	Not Available
	Matl. & Mass kg (wght.lbs.)	Aluminized Stainless Steel
Inter-mediate pipe	o. d. & wall thickness	RH - 69.85 x 1.09 mm (2.75 x .04 in.); LH - 69.85 x 1.09 mm (2.75 x .04in.)
	Matl. & Mass kg (wght.lbs.)	Aluminized Stainless Steel
Tail pipe	o. d. & wall thickness	RH & LH Outer - 69.85 x 1.37 (2.75 x .05 in.);
	Matl. & Mass kg (wght.lbs.)	Aluminized Stainless Steel/RH & LH Outer

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (305 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO L98

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

Manual 3-speed (manufacturer/country)	Not Applicable
Manual 4-speed (manufacturer/country)	"
Manual 5-speed (manufacturer/country)	"
Automatic (manufacturer/country)	"
Auto. overdrive (manufacturer/country)	"
Manual 6-Speed (Man/Con)	Zahnradfabrik Friedrichshafen AG (ZF) Schwabach Gruend W. Germany

Manual Transmission/Transaxle

Number of forward speeds	6	
Gear ratios	1st	2.68
	2nd	1.80
	3rd	1.31
	4th	1.00
	5th	.75
	6th	.50 Rev. 2.50
Synchronous meshing (specify gears)	All	
Shift lever location	Rear - Trans MTD.	
Trans. case mat'L & mass kg (lbs)*	Aluminum 69.0	
Lubricant	Capacity L (pt.)	21 (.987)
	Type recommended	SW-30 Texaco

Clutch (Manual Transmission)

Clutch manufacturer	Valeo Clutches & Transmissions	
Clutch type (dry, wet; single, multiple disc)	280mm Pull Type - Dry Clutch	
Linkage (hyd., cable, rod, lever, other)	Hydraulic Pre-Filled	
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	178 (40)
	Released	133 (30)
Assist (spring, power/percent, nominal)	None	
Type pressure plate springs	Diaphragm	
Total spring load (nominal) N (lbs.)	11,250 (2,529)	
Clutch facing	Facing mfr. & mat'l coding	Valeo F-202
	Facing mat'l. & construction	Non-Asbestos Woven
	Rivets per facing	9
	Outside x inside dia. (nom.)	280 x 180mm (11.02 x 7.09 in.)
	Total eff. area sq cm (sq in)	381.3 (56)
	Thickness (pressure plate side/fly wheel side)	3.3/3.3mm (.130/.130 in.)
	Rivet depth (pressure plate side/fly wheel side)	1.0mm (.039 in.)
Engagement cushion method	Cushion Springs	
Release bearing type & method lub.	Angular Contact Ball Bearing	
Torsional damping method, springs, hysteresis	Dual-Mass Flywheel (Non-Dampened Clutch Disc)	

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

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 - Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description
 Engine Code

5.7 LITER V8 (350 CID)
 MULTI-PORT FUEL INJECTION RPO LT5

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

Manual 3-speed (manufacturer/country)	Not Applicable
Manual 4-speed (manufacturer/country)	"
Manual 5-speed (manufacturer/country)	"
Automatic (manufacturer/country)	"
Auto. overdrive (manufacturer/country)	"
Manual 8-Speed (Man/Con)	Zahnradfabrik Friedrichshafen AG (ZF) Schwabisch Grmund W. Germany

Manual Transmission/Transaxle

Number of forward speeds		6
Gear ratios	1st	2.68
	2nd	1.80
	3rd	1.31
	4th	1.00
	5th	.75
	6th	.50 Rev. 2.50
Synchronous meshing (specify gears)		All
Shift lever location		Rear - Trans MTD.
Trans. case mat'l. & mass kg (lbs)*		Aluminum 69.0
Lubricant	Capacity L (pt.)	21 (.987)
	Type recommended	SW-30 Texaco

Clutch (Manual Transmission)

Clutch manufacturer		Valeo Clutches & Transmissions
Clutch type (dry, wet; single, multiple disc)		280mm Pull Type - Dry Clutch
Linkage (hyd., cable, rod, lever, other)		Hydraulic Pre-Filled
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	178 (40)
	Released	133 (30)
Assist (spring, power/percent, nominal)		None
Type pressure plate springs		Diaphragm
Total spring load (nominal) N (lbs.)		11,250 (2,529)
Clutch facing	Facing mfr. & mat'l. coding	Valeo F-202
	Facing mat'l. & construction	Non-Asbestos Woven
	Rivets per facing	9
	Outside x inside dia. (nom.)	280 x 180mm (11.02 x 7.09 in.)
	Total eff. area sq cm(sq in)	381.3 (56)
	Thickness (pressure plate side/fly wheel side)	3.3/3.3mm (.130/.130 in.)
	Rivet depth (pressure plate side/fly wheel side)	1.0mm (.039 in.)
Engagement cushion method		Cushion Springs
Release bearing type & method lub.		Angular Contact Ball Bearing
Torsional damping method, springs, hysteresis		Dual-Mass Flywheel (Non-Dampened Clutch Disc)

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

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*)

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (350 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO L98

Automatic Transmission/Transaxle

Trade Name	4-Speed Automatic (Overdrive 4th Gear)	
Type and special features (describe)	Torque Converter With Planetary Gears	
Gear selector	Location (column, floor, other)	On Floor Console
	Ltr./No. designation (e.g. PRND21)	P-R-N-D-D-2-1
	Shift interlock (yes, no, describe)	
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 = 43, 2-3 = 79, 3-4 = 116 (At Wide Open Throttle)	
Max. kickdown speed - drive range km/h (mph)	4-3 = 105, 3-2 = 72, 2-1 = 35	
Min. overdrive speed km/h (mph)	38	
Torque converter	Number of elements	3
	Max. ratio at stall	1.85
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
Lubricant	Capacity refill L (qt.)	3.8 (8.0)
	Type recommended	Dexron II
Oil cooler (std., opt., N.A., internal, external, air, liquid)	Standard, External, Liquid	
Trans. mass kg (lbs) & case matl.**	Aluminum	

@ - Computer Controlled Torque Converter Clutch 2nd, 3rd, And 4th Gears.
 (NOT APPLICABLE)

All Wheel / 4 Wheel Drive

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

* Input speed / square root of torque.
 ** Dry weight including torque converter. If other, specify.

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (350 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO L98

Axle Ratio and Tooth Combinations		AUTOMATIC - MD8		MANUAL - ML9
Axle ratio (or overall top gear ratio)		2.59 (1.81)	2.73 (1.91)	3.07 (2.15)
Ring gear o.d.		200 (7.875)		215.8 (8.5)
No. of teeth	Pinion	17	15	14
	Ring gear	44	41	43

Rear Axle Unit

Description		Overhung Pinion Gear
Limited slip differential (type)		Disc Clutches
Drive pinion	Type	Hypoid
	Offset	38.1 (1.50)
No. of differential pinions		2
Pinion/differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Tapered Roller
Lubricant	Capacity L (pt.)	1.8 (3.75)
	Type recommended	GL-5 Gear Lubricant EOW-90

Propeller Shaft - Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight Tube, Internal-External Damper	
Outer diam. x length* x wall thickness	Manual 3-speed transmission	Not Available	
	Manual 4-speed transmission	Not Available	
	Manual 5-speed transmission	Not Available	
	Overdrive		
	Automatic transmission **	ALUMINUM 76.2 x 825.5 x 3.05mm (3.00 x 32.5 x 0.12 in.)	
Inter-mediate bearing	Type (plain, anti-friction)	None	
	Lub. (fitting, prepack)	--	
Slip yoke	Type	Splined	
	Number of teeth	Manual Trans. - 32	Automatic Trans. - 26
	Spline o.d.	Manual Trans. - 34.95mm (1.38 in.) Automatic Trans. - 29.7mm (1.17 in.)	
Universal joints	Make and mfg. no.	Front	#1311
		Rear	#1318
	Number used	2	
	Type (ball and trunnion, cross)	Cross	
	Rr. attach (u-bolt, clamp, etc.)	Strap And Bolt	
Bearing	Type (plain, anti-friction)	Anti-Friction	
	Lubrication (fitting, prepack)	Prepacked	
Drive taken through (torque tube, arms or springs)		Driveline Beam	
Torque taken through (torque tube, arms or springs)		Torque Control Arms	

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

** - Aluminum

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*)

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (350 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LT5

Axle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage)		
Axle ratio (or overall top gear ratio)	3.45:1 (1.72)	
Ring gear o.d.	218 (8.5)	
No. of teeth	Pinion	11
	Ring gear	38

Rear Axle Unit

Description		Overhung Pinion Gear
Limited slip differential (type)		Disc Clutches
Drive pinion	Type	Hypoid
	Offset	38.1 (1.50)
No. of differential pinions		2
Pinion/differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Tapered Roller
Lubricant	Capacity L (pt.)	1.8 (3.75)
	Type recommended	GL-5 Gear Lubricant EOW-90

Propeller Shaft - Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight Tube	
Outer diam. x length* x wall thickness	Manual 3-speed transmission	Not Applicable	
	Manual 4-speed transmission	"	
	Manual 5-speed transmission	"	
	Overdrive 6-Speed	76.2 x 804.9 x 2.41 (3.0 x 31.69 x .095) Aluminum	
	Automatic transmission	Not Applicable	
Inter-mediate bearing	Type (plain, anti-friction)	None	
	Lub. (fitting, prepack)		
Slip yoke	Type	Splined	
	Number of teeth	32	
	Spline o.d.	34.95mm (1.38 in.)	
Universal joints	Make and mfg. no.	Front	Dana #1311
		Rear	Dana #1318
	Number used	2	
	Type (ball and trunnion, cross)	Cross	
	Rr. attach (u-bolt, clamp, etc.)	Strap & Bolt	
	Bearing	Type (plain, anti-friction)	Anti-Friction
Lubrication (fitting, prepack)		Prepacked	
Drive taken through (torque tube, arms or springs)		Driveline Beam	
Torque taken through (torque tube, arms or springs)		Torque Control Arms	

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

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Body Type And/Or

Engine Displacement

2-DOOR 1Y07 HATCHBACK COUPE

2-DOOR 1Y67 CONVERTIBLE

Suspension - General Including Electronic Controls

Car leveling	Std./opt./n.a.	Not Applicable	
	Manual/automatic control	"	
	Type (air/hydraulic)	"	
	Primary/assist spring	"	
	Rear only/4 wheel leveling	"	
	Single/dual rate spring	"	
	Single/dual ride heights	"	
Provision for jacking	See Page 11.1		
Shock absorber damping controls	Std./opt./n.a.	Optional	
	Manual/automatic control	Manual 3/6 Automatic Settings Within Each Manual Setting	
	Number of damping rates	18	
	Type of actuation (manual/electric motor/air, etc.)	Manual Selection & Speed Control With Electric Motors	
	s e n s o r s	Lateral acceleration	Not Applicable
		Deceleration	"
		Acceleration	"
Road surface		"	
Shock absorber (front & rear)	Type	All: Monotube. Gas Charged.	
	Make	Base - Bilstein	
	Piston diameter	46 mm (1.81 in.)	
	Rod diameter	10 mm (0.393 in.)	

Suspension - Front

Type and description	See Page 11.1	
Travel*	Full jounce	92.0mm (3.62 in.)
	Full rebound	95.0mm (3.74 in.)
Spring	Type (coil, leaf, other & matl)	Monoleaf, Filament Wound Glass - Epoxy Composite
	Insulators (type & matl)	Pivot: Teflon-Filled Nylon And Aluminum, Enclosed In Rubber.
	Size (coil design height & i.d.)	1010.0 x 115.0 x 14.73 mm Std. Z07 - 15.75
Suspension	Spring rate N/mm (lb./in.)	Base & Convertible - 83.0 (823.1) Z07 - 32.16 (284.7)
	Rate @ wheel N/mm (lb./in.)	Base & Convertible - 25.14 (222.5) Z07 - 32.16 (284.7)
Stabilizer	Type (link, linkless, frmlless)	Link
	Material & bar diameter	HR Stl: 26.0mm (0.9 in.) Dia. - Std. 30.0mm (1.2 in.) Dia. - Z07

Suspension - Rear

Type and description	See Page 11.1	
Travel*	Full jounce	All Models - 89.0mm (3.5 in.)
	Full rebound	Base & Convertible - 76.0mm (3.0 in.), Z07 - 71.0mm (2.8 in.)
Spring	Type (coil, leaf, other & matl)	Monoleaf, Filament Wound Glass - Epoxy Composite
	Size (length x width, coil design height & i.d.)	Base - 1186 x 57.0 x 22.2 mm Z07 - 25.0 mm
	Spring rate N/mm (lb./in.)	Base 40.0 (233.0), Z07 - 57.8 (330.0) Conv. - 40.0 (233.0)
	Rate @ wheel N/mm (lb./in.)	Base 26.36 (130.2), Z07 - 35.68 (173.6) Conv. - 26.36 (130.2)
	Insulators (type & material)	Dual Rubber Polyisoprene
If leaf	No. of leaves	Monoleaf
	Shackle (comp or tens)	Tension
Stabilizer	Type (link, linkless, frmlless)	Link
	Material & bar diameter	HR Steel: Base - 24.0mm (.94 in.) Solid. Z07 - 26.0mm (1.02 in.) **
Track bar (type)	None	

* Define road condition:

** - Solid Painted To Protect Against Corrosion.

MVMA Specifications

Vehicle Line CORVETTE
Model Year 1991 Issued 6-80 Revised(*) 9-80

METRIC (U.S. Customary)

SUPPLEMENTAL PAGE

PROVISIONS FOR JACKING:

Place Jackhead Between Locator Triangles On Rocker Flange Nearest To Tire Being Changed. Make Sure Jack Is Under The Steel Flange.

SUSPENSION - FRONT

Independent SLA Forged Aluminum Upper And Lower Control Arms And Steering Knuckle, Transverse Monoleaf Spring And Steel Stabilizer, Spindle Offset.

SUSPENSION - REAR

Independent 5-Link Design With Tow And Camber Adjustment, Forged Aluminum Control Links And Knuckle, Transverse Monoleaf Spring, Steel Tie Rods And Stabilizer, Tubular U-Jointed Aluminum Driveshafts.

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 - Issued 6-90 Revised(*)

METRIC (U.S. Customary)

Body Type And/Or

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

Engine Displacement

Brakes - Service

Description		Hydraulic Power Brake Front And Rear Disc Base JLS And Heavy Duty J55 Systems			
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)	B.C.I.A. Standard Pad Guided Caliper			
	Rear (disc or drum)	B.C.I.A. Standard Pin Guided Caliper			
Vehing type(prop, delay, metering, other)		Rear Proportioner Integral With Master Cylinder			
Power brake (std., opt., n.a.)		Standard			
Booster type(rmt, intrl, vac., hyd., etc.)		Vac 240mm Single Diaph. .65 sq. in.			
Vacuum	Source (mkns, pump, etc.)	Engine Plenum			
	Reservoir (volume cu. in.)	Not Applicable			
	Pump-type	"			
Traction Control	Operational speed range	"			
	Type engine intervention	"			
Anti-lock device	Front/rear (std., opt., n.a.)	Standard Front And Rear			
	Manufacturer	Bosch			
	Type (electronic, mech.)	Electrohydraulic			
	Number sensors or circuits	(4) Wheel Sensors			
	No. anti-lock hyd. circuits	3 (2 Front And 1 Rear) Hydraulic			
	Integral or add-on system	Add-On			
	Yaw control (yes, no)	Yes			
Hydraulic power source		Electronic Motor Pump			
Effective area sq. cm. (sq. in.)*		Front Linings 209 (W/Grooves); Rear Linings 119 (W/O Grooves)			
Gross Lng area sq cm (sq in)** (F/R)		Front Linings 213 (W/O Grooves); Rear Linings 119 (W/O Grooves)			
Swept area sq cm (sq in)*** (F/R)		Front 660 Base/722 H.D; 589 Rear			
Rotor %	Outer working diameter	F/R	F-Base/302.3mm; F-H.D./327.3mm; R/302.7mm		
	Inner working diameter	F/R	F-Base/222.3mm; F-H.D./247.3mm; R/232.7mm		
	Thickness	F/R	F-Base/20mm; F-H.D./28mm; R/20mm		
	Matl & type (vented/sld)	F/R	Gray Iron Vented Front. HCE Iron Vented Rear		
Drum	Diameter & width	F/R	Not Applicable		
	Type and material	F/R	"		
Wheel cylinder bore		Front Dual Piston 38mm (1.5 in.) Rear 40.5mm (1.6 in.)			
Master cylinder	Bore/stroke	F/R	Front 22.2/20mm (.87/.79 in.) Rear 22.2/12mm (.87/.47 in.)		
Pedal arc ratio		3.5:1			
Line pressure at 445 N (100 lb.) pedal load kPa (psi)		W/Power Front 8625 (1250) Rear 5175 (750)			
Lining clearance		F/R	Front And Rear Self Adjusting		
Brake lining	Front wheel	Bonded or riveted		Integral Mold	
		Rivet size		Not Applicable	
		Manufacturer		Japan Brake Industries	
		Lining code ****		JB CP26, FE Code	
		Material		Semi-Metallic Nonasbestos	
		***	Prn. or out-brd	Front 135 x 40 x 9.5mm (5.31 x 1.57 x 0.37 in.)	
		Size	Sec. or in-brd	Front 135 x 40 x 9.5mm (5.31 x 1.57 x 0.37 in.)	
	Shoe thcknss.(no lng)		6.0mm (0.236 in.)		
	Rear wheel	Bonded or riveted		Integral Mold	
		Manufacturer		Japan Brake Industries	
		Lining code ****		JB H3H - B33, GF code	
		Material		Semi-metallic nonasbestos	
		***	Prn. or out-brd	108 x 35 x 8.5mm (4.25 x 1.38 x 0.33 in.)	
		Size	Sec. or in-brd	94 x 35 x 8.5mm (3.70 x 1.38 x 0.33 in.)	
Shoe thcknss (no lng)		O.B. 4mm (0.157 in.), I.B. 5.5mm (0.216 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 circum.)
 (Disc brake: Square of Outer Working Dia. - Square of inner Working Dia. X Pi/2 for each brake.)
 **** Size for drum brakes includes length x width x thickness.
 ***** Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) _____

METRIC (U.S. Customary)

Body Type And/Or
 Engine Displacement

2-DOOR HATCHBACK COUPE 1YY07 2-DOOR CONVERTIBLE 1YY67

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P275/40ZR17 B/W -- Base		
	Type (bias, radial, etc.)		High Speed Steel Belted Radial Eagle 40ZR (Goodyear), Unidirectional		
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	240 (35)	207 (30)	
		Rear kPa (psi)	240 (35)	207 (30)	
Rev/mile—at 70 km/h(45mph)		487			
Wheels	Type & material		Left-Right Aluminum Alloy road wheels with Specific Vent Design		
	Rim (size & flange type)		17 x 9.5 Front, 17 x 9.5 Rear, Left-Right Specific		
	Wheel offset		58mm (1.97 in.)		
	Attachment	Type (bolt, stud)	Stud		
		Circle diameter	120.7mm (4.75 in.)		
Number & size		5 Hex Nuts, One Anti-Theft: M12 x 1.5 - 6H			
Spare	Tire and wheel		T155/70D17, (17 x 4 Wheel)		
	Storage position & location (describe)		Horizontal Under Fuel Tank		

Tires And Wheels (Optional)

Tire size (load range, ply), rear		P315/35ZR17 (1YZ07)	
Type (bias, radial, steel, etc.), rear		High Speed Steel Belted Radial Eagle 35ZR (Goodyear)	
Wheel (type & material), rear		Left-Right Aluminum Alloy Road Wheels W/Specific Vent Design	
Rim (size, flange type and offset), rear		17 x 11 Rear, Left - Right Specific	
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)			

Brakes - Parking

Type of control		Lever Apply, Button Release, Auto Cable Adjust	
Location of control		Inner Left Door Sill	
Operates on		Integral Rear Caliper Lock Plate Actuator	
If separate from service brakes	Type (internal or external)	Not Applicable	
	Drum diameter	"	
	Lining size (length x width x thickness)	"	

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Body Type And/Or
 Engine Displacement

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

Steering

Manual (std., opt., n.a.)		Not Available		
Power (std., opt., n.a.)		Standard		
Adjustable steering wheel/column (hft, telescope, other)	Type	Tilt		
	Manufacturer	Saginaw Division		
	(std., opt., n.a.)	Standard		
Wheel diameter ** (W8) SAE J1100	Manual	Not Available		
	Power	380 mm (15.0 in.)		
Turning diameter m (ft.)	Out-side front	Wall to wall (l. & r.)	12.6 (41.3)	
		Curb to curb (l. & r.)	12.2 (40.0)	
	In-side rear	Wall to wall (l. & r.)	Not Available	
		Curb to curb (l. & r.)	"	
Steering Radius *				
Manual	Gear	Type	Not Available	
		Manufacturer	--	
		Ratios	Gear Overall	--
	No. wheel turns(stop to stop)		--	
	Type (coaxial, elec. hyd., etc.)		Alloy Rack And Pinion Hydraulic	
Power	Manufacturer		Saginaw Division; Lt. Wt. Transverse Compact Pump	
	Gear	Type	End Take-Off	
		Ratios	Gear Overall	--
		Overall		15.7:1
	Pump (drive)		Accessory Belt Driven	
	No. wheel turns(stop to stop)		2.32 Turns	
Linkage	Type		End Take-Off	
	Location (front or rear of wheels, other)		Front Of Wheel	
	Tie Rods (one or two)		2	
Steering axis	Inclination at camber (deg.)		8.744	
	Bear-ings (type)	Upper	Ball Joint (M/M W/Anti-Friction Washer); Anti-Corrosive	
		Lower	Ball Joint (M/M W/Anti-Friction Washer); Anti-Corrosive	
		Thrust	Lower Ball Joint	
Steering spindle/knuckle & joint type		Upper And Lower Ball Joints: Anti-Corrosive		

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.
 ** See Page 22.

o MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) _____

METRIC (U.S. Customary)

Body Type And/Or
 Engine Displacement

2-DOOR HATCHBACK COUPE 1YY07 2-DOOR CONVERTIBLE 1YY67

Wheel Alignment

Wheel	Service	Parameter	Value
Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	6.0 (+/-) 0.5
		Camber (deg.)	0.8 (+/-) 0.5
		Toe-in outside track - mm (in.)	0.0 (+/-) .10
	Service reset*	Caster (deg.)	--
		Camber (deg.)	--
		Toe-in - mm(in.)	--
	Periodic M.V. inspection	Caster (deg.)	--
		Camber (deg.)	--
		Toe-in - mm(in.)	--
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0 (+/-) 0.5
		Toe-in outside track - mm (in.)	0.0 (+/-) .1
		Camber (deg.)	--
	Service reset*	Toe-in - mm(in.)	--
		Camber (deg.)	--
	Periodic M.V. inspection	Toe-in - mm(in.)	--
		Camber (deg.)	--

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

o Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	
	Trip odometer (std., opt., n.a.)	
Head-up display	Std., opt., not avail.	Not Available
	Type - Secondary, Opto-electronic	"
	Speedometer	Digital
	Status/warn. indicators - Turn signals, high beam, low fuel, check gauges	"
	Brightness control	Day/night mode, adj.
EGR maintenance indicator		Not Available
Charge indicator	Type	Analog Display
	Warning device (light, audible)	Standard - Warning Indicator And Lamp
Temperature indicator	Type	Analog Display
	Warning device	Standard - Warning Indicator And Lamp
Oil pressure indicator	Type	Analog Display
	Warning device	Standard - Warning Indicator And Lamp
Fuel indicator	Type	Electric Liquid Crystal-Analog
	Warning device	Standard - Warning Indicator Signals - Reserve
Windshield wiper	Type (standard)	Intermittent Control System
	Type (optional)	Not Available
	Blade length	508mm (20 in.)
	Swept area sq cm (sq in)	6920 (1072.9)
Windshield washer	Type (standard)	Push Button - Manual
	Type (optional)	Not Available
	Fluid level indicator	Not Available
Rear window wiper/washer (std., opt., n.a.)		Not Available
Horn	Type	Vibrator
	Number used	2

Other See Page 15.1.

MVMA Specifications

METRIC (U.S. Customary)

SUPPLEMENTAL PAGE

Vehicle Line CORVETTE
Model Year 1991 Issued 6-90 Revised(*) 9-90

These lights surround the IP cluster:

- Door Ajar Light
- Check Gages Light
- Security Light
- Change Oil Light
- Shift One To Four Light
- Brake Light
- Safety Belt Light

The Center Of The Cluster Shows:

- Speedometer
- Odometer
- Fuel Gage
- Trip Monitor Readout

These Symbols Illuminate In The Driver Information Center (DIC)

- Service LTPWS
- Low Tire Pressure
- Low Coolant
- INFL Rest
- Service Ride Control
- Battery Symbol
- Service Engine Soon
- ABS Active
- Low Oil
- Service ABS

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (350 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO L98

Electrical - Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	75-830
	Voltage	12
	Amps at 0 deg F cold crk	830
	Minutes-reserve capacity	90
	Amps/hrs. - 20 hr. rate	54
Location		Engine Compartment Directly Behind Left Wheel Opening
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	42/105
	Ratio (alt. crank/rev.)	3.09
	Output at idle (rpm, park)	42 Amps @ 518 Rpm
Optional (type & rating):		None
Regulator	Type	Micro Circuit Unit, Integral With Generator

Electrical - Starting System

Motor	Manufacturer	Delco Remy
	Current drain @ 0 deg C(F)	350 Amps
	Power rating kw (hp)	1.6 (2.1)
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 (HEI)	
Coil	Manufacturer	Delco Remy	
	Model	Integral With Distributor	
	Current	Engine stopped-A	--
		Engine idling - A	--
Spark plug	Manufacturer	AC	
	Model	FR5LS	
	Thread (mm)	M14 x 1.25	
	Tightening torque Newton meters (lb. ft.)	24-30 (18-22)	
	Gap	0.89 mm (0.035 in.)	
	Number per cylinder	1	
Distributor	Manufacturer	Delco Remy	
	Model	1103880	

Electrical - Suppression

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

Vehicle Line CORVETTE
 Model Year 1981 - Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description
 Engine Code

5.7 LITER V8 (350 CID)
 MULTI-PORT FUEL INJECTION RPO LT5

Electrical - Supply System

Battery	Manufacturer	Delco Remy
	Model, etc., (opt.)	75-830 Standard
	Voltage	12
	Amps at 0 deg F cold crnk	630
	Minutes-reserve capacity	90
	Amps/hrs. - 20 hr. rate	54
Location		Engine Compartment Directly Behind Left Wheel Opening
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	50/120
	Ratio (alt. crank/rev.)	2.59
	Output at idle (rpm, park)	50 Amps @ 618 Rpm
	Optional (type & rating)	None
Regulator	Type	Micro Circuit Unit; Integral With Alternator

Electrical - Starting System

Motor	Manufacturer	Nippon Denso
	Curr. dr. -29 (-20) deg C(F)	425 Amps
	Power rating kw (hp)	1.6 (2.1)
Motor drive	Engagement type	Coaxial Solenoid
	Pinion engages from (front, rear)	Front

Electrical - Ignition System

Type	Electronic (std, opt, n.a.)	--	
	Other (specify)	Direct Fire Ignition System	
Coil	Manufacturer	Delco Remy	
	Model		
	Current	Engine stopped - A	--
		Engine idling - A	--
Spark plug	Manufacturer	AC	
	Model	FR2LS	
	Thread (mm)	Not Available	
	Tightening torque Newton meters (lb. ft.)	"	
	Gap	"	
	Number per cylinder	1	
Distributor	Manufacturer	Delco Remy	
	Model	Direct Fire Ignition (40TY)	

Electrical - Suppression

Locations & type	Internal Alternator Capacitor, Non-Metallic High-Tension Cables, Resistor Spark Plugs, Ignition Coil By-Pass Capacitor, Internal AC Blower Motor By-Pass Capacitor & A/C Compression Diode, With Radio Provisions: Fuse Block Capacitor And Coax Capacitor.
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MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

Body Type 2-DOOR HATCHBACK COUPE 1YY07 2-DOOR CONVERTIBLE 1YY67

Body

Structure	Integral Perimeter Frame-Birdcage Forms Strong Unitized Body Structure. Aerodynamically Shaped Body With Deeply Angled Windshield (64 deg.), All Body Panels SMC Reinforced Composite With Molded-In Coating. Single Lift Off Roof Panel (Coupe) Effective Pass; Compartment Insulation, Tinted Glass All Around. "Unibase" Paint Process, Final Clear Coat Paint Finish.
Bumper System Front - Rear	Front - Full-Width Honeycomb Energy Absorber Backed Up By An Impact Bar Of Strong Continuous Glass Fiber Plastic. Body Color, Glass-Reinforced Rim Fascia, Rear-Similar Honeycomb Design.
Anti-Corrosion Treatment	All Encompassing Corrosion Protection Including Extensive Use Of Aluminum; Galvanization; Use Of Specialty Treated Fasteners; Austenitic Stainless Steel Or Specialty Coated Brackets, Clamps, Clips And Braces; Use Of Aluminized Steel, Dip Painted; Use Of Materials That Resist Corrosion.

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		High Solids Base Coat Enamel With High Solids Clear Coat
Hood	Material & mass	Sheet Moulded Compound With Steel Reinforcements, 33.6 kg. (74.1 lbs.)
	Hinge location (front, rear)	Front
	Type (counterbalance, prop.)	Hinged Clamshell Hood
	Release control (int., ext.)	Interior
Trunk lid	Material & mass	Not Applicable
	Type (counterbalance, other)	"
	Internal release control (elec., mech., n.a.)	"
Hatch-back lid	Material & mass	Tempered, Tinted Safety Glass 19.05 kg. (42.0 lbs.)
	Type (counterbalance, other)	Dual Gas Struts
	Internal release control (elec., mech., n.a.)	Electric Release, Standard (Each Door And Console Glove Box)
Tailgate	Material & mass	Not Applicable
	Type (drop, lift, door)	"
	Internal release control (elec., mech., n.a.)	"
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	"
Window regulator type (cable, tape, flex drive, etc.)	Front	Drive
	Rear	None
Seat cushion type (e.g., 60/40, bucket, bench wire, foam, etc.)	Front	Bucket Seat, Full Cloth Trim @
	Rear	None
	3rd seat	"
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket Seat, Full Cloth Trim @
	Rear	None
	3rd seat	"

@ - Polypropylene Reinforced Composite Frame For Seat Cushion And Backrest.

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) _____

METRIC (U.S. Customary)

Body Type

2-DOOR HATCHBACK COUPE 1YY07

2-DOOR CONVERTIBLE 1YY67

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.)	First seat	3-Point Active Lap & Shoulder Belt		3-Point Active Lap & Shoulder Belt
		Second seat			
	Standard/optional	Third seat			
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt)	First seat	Air Bag Standard		
		Second seat			
	Standard/optional	Third seat			

Glass	SAE Ref No		
Windshield glass exposed surface area sq. cm. (sq. in.)	S1	8710.0 (1350.0)	
Side glass exposed surface area sq. cm. (sq. in.) - total 2- sides	S2	4007.2 (621.1)	
Backlight glass exposed surface area sq. cm. (sq. in.)	S3	6205.0 (961.8)	2554.8 (396.0)
Total glass exposed surface area sq. cm. (sq. in.)	S4	18922.2 (2932.9)	15272.0 (2367.1)
Windshield glass (type)		Curved - Laminated Plate - Tinted	
Side glass (type)		Curved - Tempered Plate - Tinted	
Backlight glass (type)		Curved - Tempered Plate - Tinted (Hatchback)	Vinyl

Headlamps

Description - sealed beam, halogen, replaceable bulb, etc.	Sealed Beam
Shape	Rectangular
Lo-beam type (2A1, 2B1, 2C1, etc.)	2B1 On Both - 1 Capsule Per Side
Quantity	
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	
Quantity	

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	All-Welded Steel Body-Frame Construction, 100% Galvanized Bolt-On Front Crossmember To Allow Bottom Loaded Engine
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MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Body Type

2-DOOR HATCHBACK COUPE 1YY07 2-DOOR CONVERTIBLE 1YY67

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

Air conditioning (manual, auto, temp control)		Standard, Four Season Manual Control
Clock (digital, analog)		Standard, Digital Read-Out With All Radios
Compass / thermometer		Thermometer On C68
Console (floor, overhead)		Standard, Floor
Defroster, elec. backlight		Standard
Electronic	Diagnostic monitor (integrated, individual)	Standard - ALCL (Assembly Line Communications Link); Integrated
	Instrument cluster (list instruments)	Speedo, Tach, Oil & Coolant Temps, Oil Pressure, Votts, Fuel, Seat Belt Symbol, Change Oil
	Keyless entry	Not Available
	Trip minder (avg. spd. fuel)	Range, Average And Instant MPG
	Voice alert (list items)	Not Available
	Other	LCD And Analog Instrumentation Standard
Fuel door lock (remote, key, electric)		Not Available
Lamps	Auto head on/off delay, dimming	Not Available
	Cornering	Front, Standard
	Courtesy (map, reading)	Standard - One Lamp In Each Door Panel Mounted On I/S R/V Mirror
	Door lock, ignition	Not Available
	Engine compartment	Standard
	Fog	Standard
	Glove compartment	Standard - In Console & I/P
	Trunk	Std. - 2 Lamps Mounted In 'B' Pillars Back Of Seat, Cpe (Seat Riser, Conv)
	Illuminated entry system (list lamps, activation)	Not Applicable
Other	--	
Mirrors	Day / night (auto, man.)	Standard, Manual
	L.H. (remote, pwr., heated)	Power Standard, Heated
	R.H. (convex, rmt, pwr, std)	Power Standard, Heated
	Visor vanity (RH/LH illum.)	Standard
Navigation system (describe)		None
Pkg. brake-auto release (warn. light)		Manual Release, Toll-Tale - Standard

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary)

Engine Description
 Engine Code

2-DOOR HATCHBACK COUPE 1YY07 2-DOOR CONVERTIBLE 1YY67

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

Power equipment	Deck lid (release, pull down)		Standard - Electric Hatch Release (3 Remote Location)
	Door locks (manual, auto., describe system)		Standard Deck Lid Hatch, Standard Door Locks
	Seats	2 - 4 - 6 way, etc.	6-Way Optional
		Reclining (R.H., L.H.)	Manual Standard, Power Optional
		Memory (R.H., L.H., preset, recline)	Not Available
		Support (lumbar, hip, thigh, etc.)	Power Optional
		Heated (R.H., L.H., other)	Not Available
	Side windows		Standard
	Vent windows		Not Available
	Rear windows		
Convertible deck lid		Standard - Power Release (3 Remote Locations)	
Radio systems	Antenna (location, whip, w/shield, power)		Rear Power Antenna
	Stan.		AM/FM Stereo Cassette
	Opt.	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM/FM Stereo Cassette/Bose AM/FM Stereo Cassette/Compact Disc/Bose
	Speaker (number, location)		Standard - 2 Front, 2 Rear Bose - 1 Each Door, 2 Rear
Roof: open air or fixed (flip-up, sliding, "T")			Single, Full Width Lift-Off Roof Panel Conv. Fldg. Top
Speed control device			Standard - Electronic Speed & Cruise Control W/Resume Feature
Speed warn. dev. (light, buzzer, etc.)			Not Available
Tachometer (rpm)			6,000 W/L98 6,000 W/LT5
Telephone system (describe)			Cellular Phone Power Connector In Console
Theft deterrent system			"VATS" Pass Key (Personal Automobile Security System) Includes Special Module With Resistor Decoder And Ignition Key With Embedded Pellets Of Specified Resistance. Built-In Time Lag, Forces Delay Between Attempts To Start Vehicle With Improper Key. Also Includes Anti-Theft Horn Alarm System With Starter Enable (Doors And Hatch).

o Trailer Towing

Towing capable	Yes / No	
Engine/transmission/axle	Std / Opt	
Tow class (I, II, III)*	Std / Opt	
Max. gross trailer wgt. (lbs.)	Std / Opt	
Max. trailer tongue load (lbs.)	Std / Opt	
Towing package available	Yes / No	

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

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 8-90 Revised(*) 9-90

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	COUPE	CONVERTIBLE	ZR1 COUPE
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Width	SAE Ref. No.		
Tread (front)	W101	1513 (59.8)	
Tread (rear)	W102	1534 (60.4)	1572 (61.9)
Vehicle width	W103	1804 (71.0)	1858 (73.2)
Body width at Sg RP (front)	W117	1752 (69.0)	
Vehicle width (front doors open)	W120	3706 (145.9)	
Vehicle width (rear doors open)	W121	--	
Tumble-home (deg.)	W122	36.9	
Outside mirror width	W410		

Length	SAE Ref. No.		
Wheelbase	L101	2444 (96.2)	
Vehicle length	L103	4536 (178.6)	4534 (178.5)
Overhang (front)	L104	1030 (40.5)	
Overhang (rear)	L105	1009 (39.7)	1034 (40.7)
Upper structure length	L123	2309 (90.9)	
Rear wheel C/L 'X' coordinate	L127	1886 (74.2)	

Height **	SAE Ref. No.			
Passenger distribution (front/rear)	PD1,2,3			**
Trunk/cargo load				**
Vehicle height	H101	1186 (46.7)	1179 (46.4)	1186 (46.7)
Cowl point to ground	H114	845 (33.4)		
Deck point to ground	H138			
Rocker panel-front to ground	H112	175 (6.9)		
Rocker panel-rear to ground	H111	175 (6.9)		
Windshield slope angle (deg.)	H122	64.7		
Backlight slope angle (deg.)	H121	72.5		

Ground Clearance **	SAE Ref. No.		
Front bumper to ground	H102	124 (4.9)	
Rear bumper to ground	H104	330 (13.0)	
Bumper to ground front at curb mass (wt.)	H103	130 (5.1)	
Bumper to ground rear at curb mass (wt.)	H105	353 (13.9)	
Angle of approach (deg.)	H108	10.6	
Angle of departure (deg.)	H107	20.2	
Ramp breakover angle (deg.)	H147	6	
Axis differential to ground (front/rear)	H153	172 (6.8)	
Min. running ground clearance	H156	120 (4.7)	
Location of min. run. grd. clear.			Catalytic Converter

** All Vehicle Height And Ground Clearance Are Made Using EPA Loaded Vehicle Weight, Loading Conditions.

EPA Loaded Vehicle Weight is the Base Vehicle Weight Plus All Coolant and Fluids Necessary For Operation Plus 100% Of The Fuel Capacity, Plus The Weight Of All Options And Accessories Which Weigh Three Pounds Or More And Which Are Sold On At Least 33% Of The Car Line, Plus Two Occupants.

All Linear Dimensions Are In Millimeters (Inches).

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 - Issued 6-90 Revised(*) 9-90

METRIC (U.S. Customary) Vehicle Dimensions

See Key Sheets for Definitions

Body Type

2-DOOR HATCHBACK COUPE 1YY07 2-DOOR CONVERTIBLE 1YY67

Front Compartment

SAE Ref. No.

SgRP front, 'X' coordinate	L31	3150 (124.0)	
Effective head room	H61	924.5 (36.4)	927 (36.5)
Max. eff. leg room (accelerator)	L34	1063 (42.6)	
SgRP to heel point	H30	188 (7.4)	
SgRP to heel point	L53	898 (35.4)	
Back angle (deg.)	L40	28.0	
Hip angle (deg.)	L42	98.0	
Knee angle (deg.)	L44	130.0	
Foot angle (deg.)	L48	87.0	
Design H-point front travel	L17	165.0 (6.5)	
Normal driving & riding seat track trvl.	L23	146.5 (5.8)	
Shoulder room	W3	1374.1 (54.1)	
Hip room	W5	1253 (49.3)	
*** Upper body opening to ground	H50	1103.5 (43.4)	
Steering wheel maximum diameter*	W9	380.0 (15.0)	
Steering wheel angle (deg.)	H16	18.3	
Accel. heel pt. to steer. whl. ctr	L11		
Accel. heel pt. to steer. whl. ctr	H17		
Undepressed floor covering thickness	H67	24 (0.9)	

Front Compartment Int. Dim. Are Measured With The Seating Ref. Pt.
 (SgRP) mm Forward And mm Upward of Rearmost Position.

Rear Compartment (NOT APPLICABLE)

SgRP point couple distance	L50		
Effective head room	H63		
Min. effective leg room	L51		
SgRP (second to heel)	H31		
Knee clearance	L48		
Shoulder room	W4		
Hip room	W6		
*** Upper body opening to ground	H51		
Back angle (deg.)	L41		
Hip angle (deg.)	L43		
Knee angle (deg.)	L45		
Foot angle (deg.)	L47		
Depressed floor covering thickness	H73		

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	356.8 (12.6)	186.8 (6.6)
*** Liftover height	H185	902 (35.5)	

Interior Volumes (EPA Classification)

Vehicle class		Mini-Compact
Interior volume index (cu. ft.)**		Not Available, On Two Passenger Vehicles
Trunk / cargo index (cu. ft.)		--

* See page 14.

** Includes passenger and trunk / cargo index - see definition page 32.

*** EPA Loaded Vehicle Weight, Loading Conditions

All Linear Dimensions Are in Millimeters (Inches)

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*)

METRIC (U.S. Customary) Vehicle Dimensions

See Key Sheets for Definitions

Body Type

2-DOOR HATCHBACK COUPE 1YY07

Station Wagon - Third Seat SAE Ref. No. (NOT APPLICABLE)

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

Station Wagon - Cargo Space (NOT APPLICABLE)

Cargo length (open front)	L200	
Cargo length (open second)	L201	
Cargo length (closed front)	L202	
Cargo length (closed second)	L203	
Cargo length at belt (front)	L204	
Cargo length at belt (second)	L205	
Cargo width (wheelhouse)	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Min. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
* Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index cu. m. (cu. ft.)	V2	
Hidden cargo vol. index cu.m. (cu.ft.)	V4	
Cargo volume index-rear of 2-seat	V10	

Hatchback - Cargo Space

Cargo length at front seatback height	L208	792 (31.2)
Cargo length at floor (front)	L209	838 (33.0)
Cargo length at second seatback height	L210	
Cargo length at floor (second)	L211	
Front seatback to load floor height	H197	454 (17.9)
Second seatback to load floor height	H198	
Cargo volume index cu. m. (cu. ft.)	V3	508L (17.9)
Hidden cargo vol. index cu.m. (cu.ft.)	V4	--
Cargo volume index-rear of 2-seat	V11	--

* EPA Loaded Vehicle Weight, Loading Conditions

All Linear Dimensions Are in Millimeters (Inches).

MVMA Specifications

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*)

METRIC (U.S. Customary)

Body Type	2-DOOR HATCHBACK COUPE 1YY07	2-DOOR CONVERTIBLE 1YY67
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Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location	
Front	X	Fiducial Mark To Vertical Zero Grid Line - Front Measured Horizontally, From The Zero Grid Line To The Front Fiducial Mark Located On Top Of The Front Seat Adjuster Mounting Bolt.
	Y	Fiducial Mark To Centerline Of Car - Front, Width Measurement Made From Centerline Car To Fiducial Mark Located On Top Of The Front Seat Adjuster Mounting Bolt.
	Z	Fiducial Mark To Horizontal Zero Grid Line - Front, Measured Vertically From The Zero Grid Line To Front Fiducial Mark Located On Top Of The front Seat Adjuster Mounting Bolt.
Rear	X	Fiducial Mark To Vertical Zero Grid Line - Rear, Measured Horizontally from The Zero Grid Line To Rear Fiducial Mark Located On The Rail (Compartment Pan - Longitudinal).
	Y	Fiducial Mark To Centerline Of Car - Rear, Width Measurement Made From Centerline Of Car To Fiducial Mark Located On The Rail (Compartment Pan - Longitudinal).
	Z	Fiducial Mark To Horizontal Zero Grid Line - Rear, Measured Vertically From The Zero Grid Line To Rear Fiducial Mark Located On The Rail (Compartment Pan - Longitudinal).
Fiducial Mark Number		
Front	W21*	552 (21.7)
	L54*	831 (32.7)*
	H81*	-181 (-7.1)#
	H161*	178 (7.0)
	** H163*	120 (4.7)
Rear	W22*	296 (11.7)
	L55*	2714 (106.9)*
	H82*	46 (1.8)#
	H162*	367 (14.4)
	** H164*	345 (13.6)
	* Vertical Base Grid 2000mm Line # Horizontal Base Grid 500mm Line	

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

** EPA Loaded Vehicle Weight, Loading Conditions.

All linear dimensions are in millimeters (Inches).

o MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

		VEHICLE MASS (weight)				% PASS MASS DISTRIBUTION				
Code	Model	CURB MASS, kg. (lb.)*			SHIPPING MASS kg (lb) **	ETWC*** Code	PASS IN FRONT		PASS IN REAR	
		Front	Rear	Total			Front	Rear	Front	Rear
1YY07	2-Dr Coupe (L98 & MD8)	768 (1693)	728 (1601)	1494 (3294)	1448 (3188)	3825	30.0	70.0	-	-
1YY67	2-Dr Convertible (L98 & MD8)	779 (1717)	733 (1616)	1512 (3333)	1465 (3230)	3750	30.0	70.0	-	-
1YZ07	2-Dr Coupe, ZR1 (LT5 & ML9)	822 (1812)	752 (1658)	1574 (3470)	1527 (3366)	3750	30.0	70.0	-	Manual Only

* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.
 ** ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications.
 Refer to ETWC code legend below for test weight class.

ETWC LEGEND

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

*** Shipping Mass (weight) = Curb Weight Less:

 48 (106)

MVMA Specifications
METRIC (U.S. Customary)

Vehicle Line CORVETTE
 Model Year 1991 Issued 6-90 Revised(*) 9-90

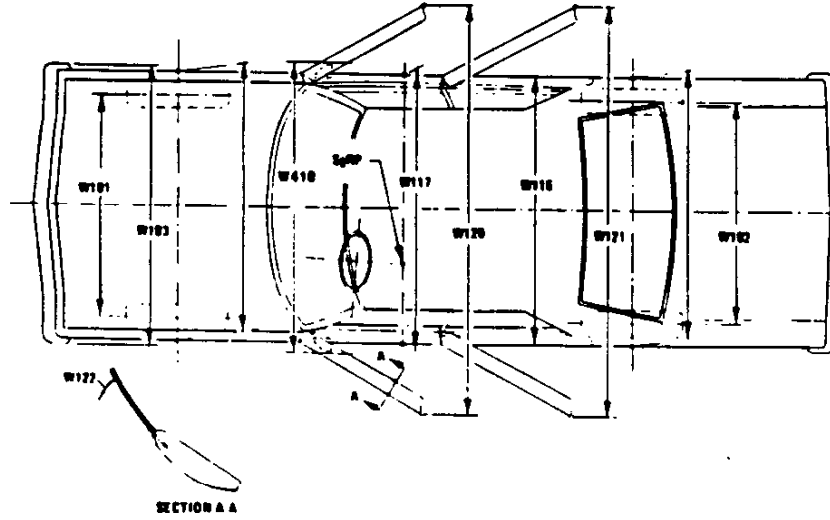
		Optional Equipment Differential Mass (weight)*			
Code	Equipment	MASS, kg. (lb.)			Remarks Restrictions, Requirements
		Front	Rear	Total	
AQ9	Custom Adjustable Seats	2.8 (6.2)	3.3 (7.4)	6.1 (13.5)	Power Adjust For Backrest Lateral Restraints. Lumbar Support And Back Angle, Special Cloth Trim.
B16	Leather Seat Trim	.6 (1.3)	1.0 (2.2)	1.6 (3.5)	As Required (Special Contour Bucket Seat).
CC3	Removable Plastic Roof Panel	-.4 (-0.9)	-1.0 (-2.2)	-1.4 (-3.1)	Acrylic Plastic. Lighter, Blue Tinted For Glare And Sun Load Control, Coated For Scratch Resistance. Not Avail. On Convrt.
C68	Automatic Air Conditioning	1.0 (2.2)	--	1.0 (2.2)	Automatic Temperature Control
ML9	Manual Transmission	1.5 (3.3)	1.3 (2.9)	2.8 (6.2)	
	Delco/Bose Premium Audio System	1.5 (3.3)	2.9 (6.4)	4.4 (9.7)	Includes Specific AM/FM Stereo Radio With Cassette Player, Bose Power Amplified, Direct Reflecting Speakers (One In Each Door And At Each Side Of Luggage Area). Also Features Dolby sound, Dynamic Noise Reduction And Automatic Suppression System.
	Electric Defogger System (Hatch And Outside Rear View Mirrors	.2 (0.4)	.2 (0.4)	.4 (0.8)	Mirrors Only On Convertible
Z07	Bilstein Selective Ride Control System; Stiffer Springs, Shocks, Stabilizer Bars & Bushings. Heavy Duty Brakes, Engine Oil Cooler. Heavy Duty Power Steering Cooler.	1.9 (4.2)	2.4 (5.3)	4.3 (9.5)	(1YY07 Only; Auto Trans. Requires G92 Axle)

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

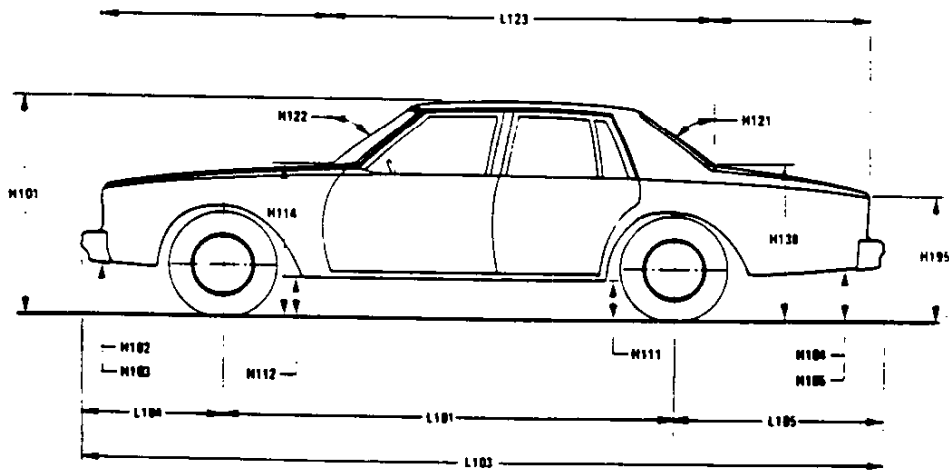
MVMA Specifications
METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions – Key Sheet

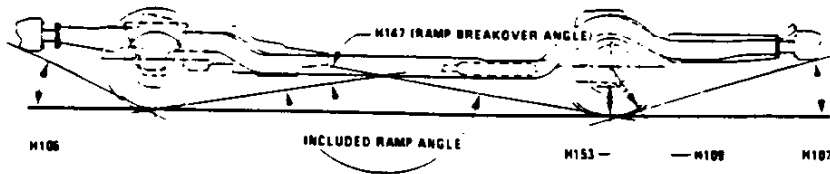
Exterior Width



Exterior Length & Height



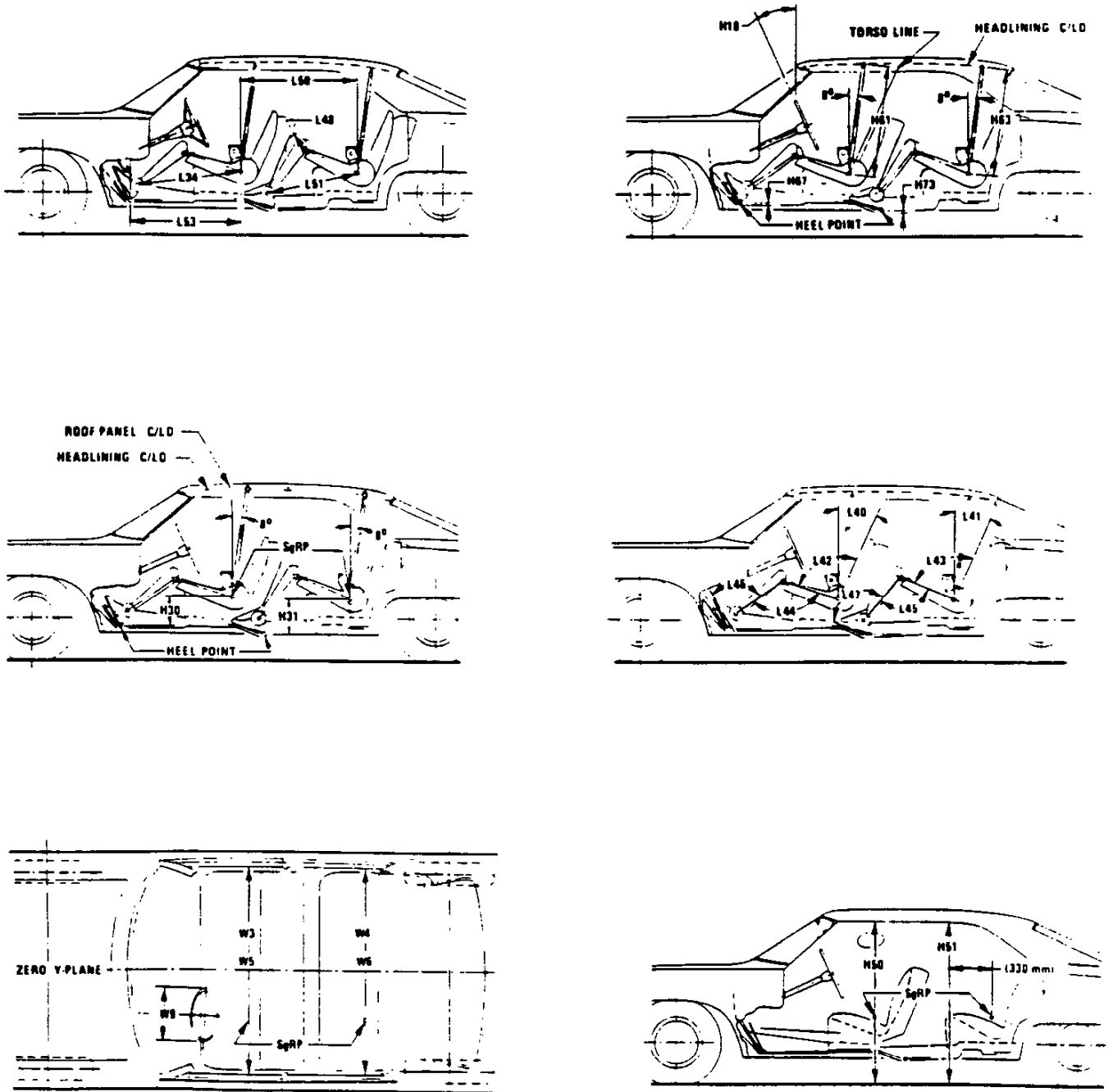
Exterior Ground Clearance



MVMA Specifications Form

METRIC (U.S. Customary)

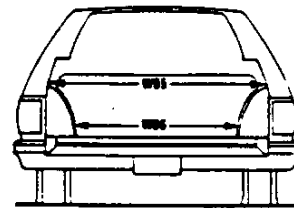
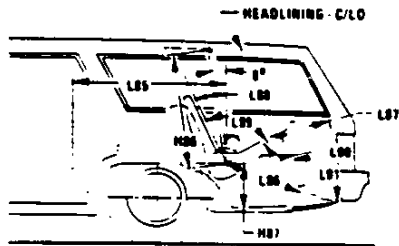
Interior Vehicle And Body Dimensions – Key Sheet



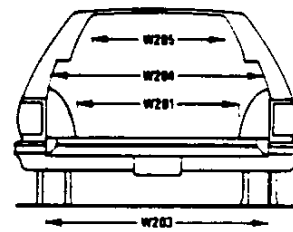
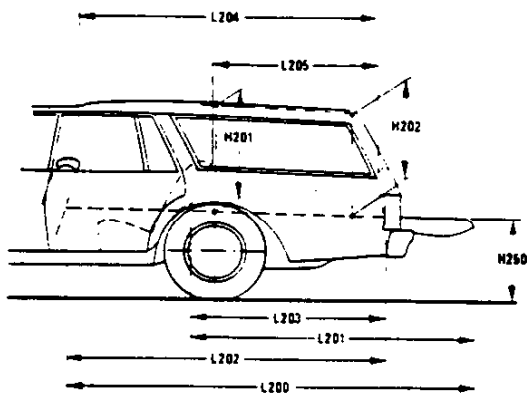
MVMA Specifications Form
METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet

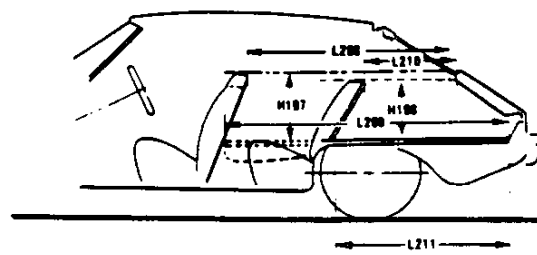
Third Seat



Cargo Space



Station Wagon



Hatchback

MVMA Specifications

METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Seating Reference Point

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

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

Width Dimensions

- W101 TREAD – FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD – REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W117 BODY WIDTH AT SgRP – FRONT. The dimension measured laterally between the widest points on the body at the SgRP-front, excluding door handles, applied moldings, or appliques.
- W120 VEHICLE WIDTH – FRONT DOORS OPEN. The dimension measured between the widest point on the 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.
- W410 OUTSIDE MIRROR WIDTH. The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" plane.

Length Dimensions

- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel 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 OVERHAND – 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.
- L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.

Height Dimensions

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

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

Glass Areas

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

Fiducial Mark Dimensions

Fiducial Mark - Number 1

- L54 "X" coordinate.
- W21 "Y" coordinate.
- H81 "Z" coordinate.
- H161 Height "Z" coordinate to ground at curb weight.
- H163 Height "Z" coordinate to ground.

Fiducial Mark - Number 2

- L55 "X" coordinate.
- W22 "Y" coordinate.
- W82 "Z" coordinate.
- H162 Height "Z" coordinate to ground at curb weight.
- H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

- 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.
- L-40 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.
- L-42 HIP ANGLE - FRONT. The angle measured between torso line and thigh centerline.
- L44 KNEE ANGLE - FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.
- L46 FOOT ANGLE - FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826.
- L53 SgRP - FRONT TO HEEL. The dimension measured horizontally from the SgRP - front to the accelerator heel point.
- W3 SHOULDER ROOM - FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP - front at height between the belt line and 254 mm (10.0 in.) above the SgRP - front, excluding the door assist strap and attaching parts.

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

Rear Compartment Dimensions

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

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Luggage Compartment Dimensions

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

Interior Volumes (EPA Classification)

The Interior 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 51 mm (2.0 in.). With rear-facing third seat, dimension is measured to closure.
- L88 BACK ANGLE – THIRD. Measured in the same manner as L41.
- L89 HIP ANGLE – THIRD. Measured in the same manner as L43.
- L90 KNEE ANGLE – THIRD. Measured in the same manner as L45.
- L91 FOOT ANGLE – THIRD. Measured in the same manner as L47.
- W85 SHOULDER ROOM – THIRD. Measured in the same manner as W4.
- W86 HIP ROOM – THIRD. Measured in the same manner as W5.
- H86 EFFECTIVE HEAD ROOM – THIRD. The dimension, measured along a line 8 deg. from the SgRP – third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
- H87 SgRP – THIRD TO HEEL POINT.
- SD1 SEAT FACING DIRECTION – THIRD.

Station Wagon – Cargo Space Dimensions

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

L202 CARGO LENGTH – CLOSED – FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L203 CARGO LENGTH – CLOSED – SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L204 CARGO LENGTH AT BELT – FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel at the height of the belt, on the zero "Y" plane.

L205 CARGO LENGTH AT BELT – SECOND. The minimum dimension measured horizontally from the back of the second seatback 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 wheelhousings at floor level. For any vehicle not trimmed, measure to the sheet metal.

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

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

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

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:

$$\frac{W4 \times H201 \times L204}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

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:

$$\frac{L506 \times W505 \times H503}{1728} = \text{ft}^3$$

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 electronically 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 "X" 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 seatback to the undepressed floor covering.

V3 HATCHBACK.

Measured in inches:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

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.

V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor:

Measured in inches:

$$\frac{\frac{L210 - L211}{2} \times W4 \times H198}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{\frac{L210 - L211}{2} \times W4 \times H198}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

MVMA Specifications

METRIC (U.S. Customary)

Index

Subject	Page No.	Subject	Page No.
Alternator	16	Passenger Capacity	1
Axle Drive, Front, Rear, All Four	2, 9, 10	Passenger Mass Distribution	25
Axle Shafts	10	Pistons	3
Battery	16	Power Brakes	12
Body and Miscellaneous Information	17	Power, Engine	2
Brakes - Parking Service	12, 13	Power Steering	14
Camber	15	Power Teams	2
Camshaft	3	Propeller Shaft	10
Capacitors		Pumps - Fuel	6
Cooling System	5	Water	5
Fuel Tank	6	Radiator - Cap, Hoses, Core	5
Lubricants		Ratios - Axle, Transaxle	2, 8, 10
Engine Crankcase	4	Compression	2
Transmission / Transaxle	8, 9	Steering	14
Rear Axle	10	Transmission / Transaxle	2, 8, 9
Carburetor	2, 6	Rear Axle	2, 10
Caster	15	Regulator - Alternator	16
Clutch - Pedal Operated	8	Restraint System	18
Coil, Ignition	16	Rims	13
Connecting Rods	4	Rods - Connecting	4
Convenience Equipment	19-20	Scrub Radius	14
Cooling System	5	Seats	17
Crankshaft	4	Shock Absorbers, Front & Rear	11
Cylinders and Cylinder Head	3	Spark Plugs	16
Diesel Information	4	Speedometer	15
Dimension Definitions		Springs - Front & Rear Suspension	11
Key Sheet - Exterior	27, 30, 31	Stabilizer (Sway Bar) - Front & Rear	11
Key Sheet - Interior	28, 29, 31, 32, 33	Starting System	16
Electrical System	15, 16	Steering	14
Emission Controls	7	Suppression - Ignition, Radio	16
Engine - General		Suppression - Front & Rear	11
Bore, Stroke, Type	3	Tail Pipe	7
Compression Ratio	2	Theft Protection	20
Displacement	2, 3	Thermostat, Cooling	5
Firing Order, Cylinder Numbering	3	Tires	13
General Information, Power & Torque	2	Toe-In	15
Intake System	4	Torque Converter	9
Power Teams	2	Torque - Engine	2, 8, 9
Exhaust System	7	Trailer Towing	20
Equipment Availability, Convenience	19	Transaxle	9
Fan, Cooling	5	Transmission - Types	2, 8, 9
Filters - Engine Oil, Fuel System	4	Transmission - Automatic	2, 9
Four Wheel Drive	10	Transmission - Manual	2, 8
Frame	18	Transmission - Ratios	2, 8, 9
Front Suspension	11	Tread	21
Front Wheel Drive Unit	10	Trunk Cargo Load	1
Fuel Economy, EPA	1	Trunk Luggage Capacity	22
Fuel Injection	6	Turning Diameter	14
Fuel System	6	Universal Construction	16
Fuel Tank	6	Universal Joints, Propeller Shaft	10
Glass	18	Valve System	4
Headlamps	18	Vehicle Dimensions	
Headroom - Body	22, 23	Width	21
Heights	21	Length	21
Horns	15	Height	21
Horsepower - Brake	2	Ground Clearance	21
Ignition System	16	Front Compartment	22
Inflation - Tires	13	Rear Compartment	22
Interior Volumes	22	Luggage Compartment	2
Instruments	15	Station Wagon - Third Seat	21
Legroom	22, 23	Station Wagon - Cargo Space	21
Lengths	21	Hatchback - Cargo Space	21
Leveling, Suspension	11	Fiducial Marks	4
Lifters, Valve	4	Voltage Regulator	16
Linings - Clutch, Brake	8, 12	Water Pump	5
Lubrication - Engine Transmission / Transaxle	4, 8, 9	Weights	25, 26
Luggage Compartment	22	Wheel Alignment	15
Models	1	Wheelbase	12
Motor Starting	16	Wheels & Tires	12
Muffler	7	Wheel Spindle	12
Origin	1	Widths	1
		Windshield	1
		Windshield Wiper and Washer	1

