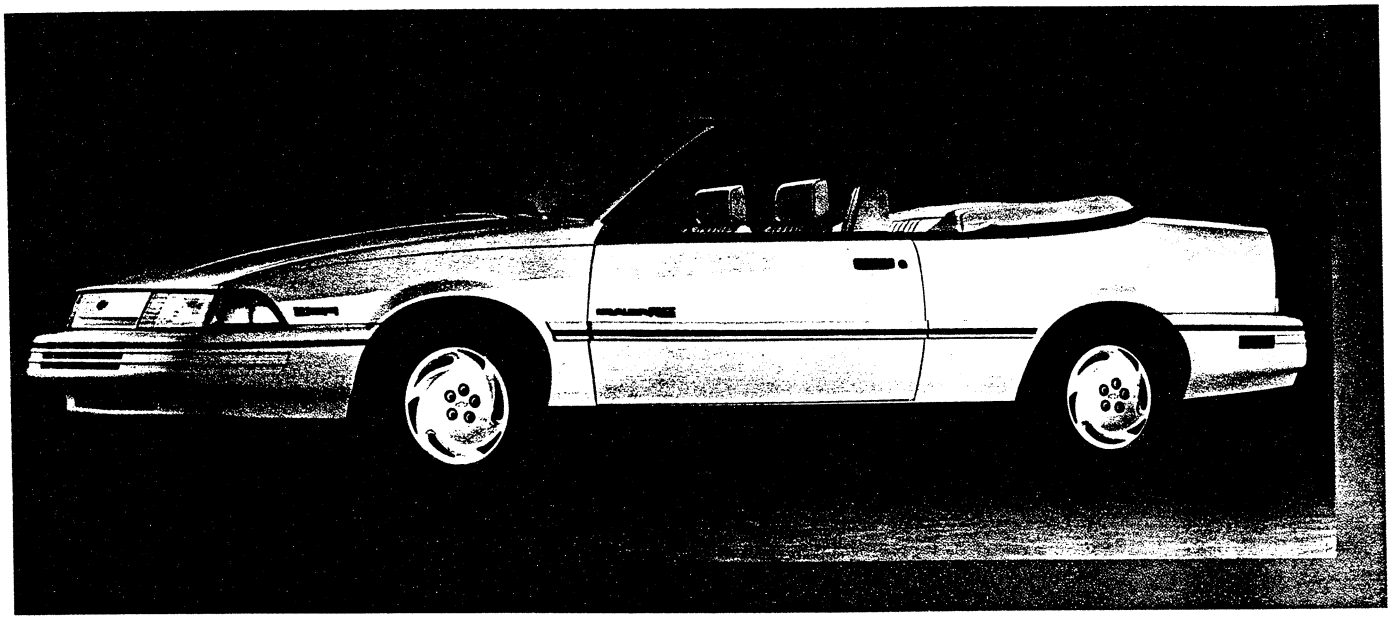
2731CAVA-92

1992 CHEVROLET CAVALIER

'92 CAVALIER

ORDERING INFORMATION

CAVALIER RS CONVERTIBLE



CAVALIER HIGHLIGHTS

NEW FOR '92

- ABS VI anti-lock brake system standard.
- More powerful and quieter 2.2 Liter L4 with Multi-Port Fuel Injection standard in VL and RS models.
- New Z24 Convertible model.
- RS Convertible model continued, with 2.2 Liter L4 standard and new seats and door trim using Z24 fabrics.
- 14" wheels with specific argent bolt-on full wheel covers standard on VL and RS models.
- Power door locks with automatic locking feature standard on all models.
- Brake shift interlock included with automatic transmissions.
- Touring-type Eagle GA tires replace Eagle GT+4 tires on Z24.
- Three new exterior colors (Maui Blue Metallic, Medium Quasar Blue Metallic and Bright Aqua Metallic) and new interior color (Graphite).
- Delco-Loc II theft-deterrent feature with optional compact disc player.
- 1992 standard instrumentation includes low oil pressure warning light.

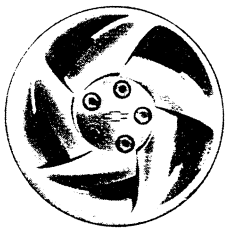
EQUIPMENT AVAILABILITY

	VL Coupe/ Sedan	RS Coupe/ Sedan	Z24 Coupe	VL Wagon	RS Wagon	RS Conv.	Z24 Conv.
2.2 Liter L4 with Multi-Port Fuel Injection	S	S	NA	S	S	S	NA
3.1 Liter V6 with Multi-Port Fuel Injection	NA	NA	S	NA	O	O	S
5-speed manual transmission with overdrive	S	S	S	NA	NA	S	S
3-speed automatic transmission	O	O	O	S	S	O	O
ABS VI anti-lock brake system	S	S	S	S	S	S	S
Power front disc/rear drum brakes	S	S	S	S	S	S	S
Power rack-and-pinion steering	S	S	S	S	S	S	S
Base-coat/clear-coat paint	S	S	S	S	S	S	S
Body-side moldings	O	S	S	O	S	S	S
Deck-lid spoiler	NA	NA	O	NA	NA	NA	O
Air conditioning	O	O	O	O	O	O	O
Power door locks with automatic locking feature	S	S	S	S	S	S	S
Power windows	NA	O	O	NA	O	S	S
Scotchgard™ Fabric Protector	S	S	S	S	S	S	S
Stainless steel exhaust system	S	S	S	S	S	S	S
14" steel wheels with bolt-on wheel covers	S	S	NA	S	S	S	NA
15" cast-aluminum wheels	NA	NA	S	NA	NA	NA	S
P185/75R-14 all-season steel-belted radial ply tires	S	S	NA	S	S	S	NA
P205/60R-15 all-season radial ply Touring tires	NA	NA	S	NA	NA	NA	S
Performance Handling Package (required with V6) RPO Z51— includes P195/70R-14 blackwall Touring tires, sport suspension and gage package with tachometer and trip odometer	NA	O	NA	NA	O	O	NA
Special Sport Suspension	NA	NA	S	NA	NA	NA	S

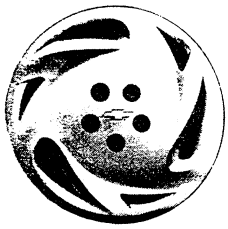
S – Standard. NA – Not Available. O – Optional.

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

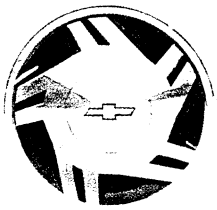
WHEELS/WHEEL TRIM



Cavalier VL standard 14" bolt-on full wheel cover.



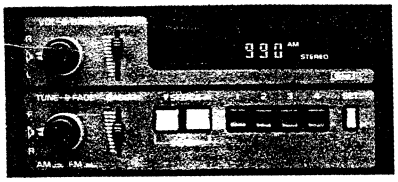
Cavalier RS standard 14" bolt-on full wheel cover.



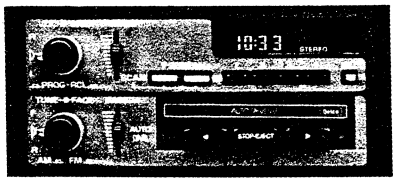
Cavalier Z24 standard 15" cast-aluminum wheel.

RADIO EQUIPMENT

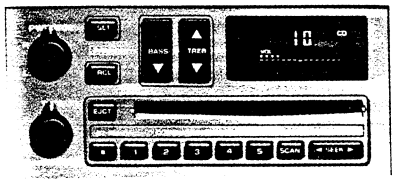
NOTE: All 1992 Cavalier Delco ETR stereo sound systems include a Delco electronically tuned AM/FM stereo receiver with seek-scan and digital clock/frequency display. A four-speaker Extended Range Sound System (ERS) is also included with all stereos.



AM/FM stereo. Fourteen station presets (seven FM and seven AM). Standard on Cavalier RS and Z24 models, optional (RPO UM7) for Cavalier VL models.



AM/FM stereo with stereo cassette tape player. Includes auto reverse feature. Fourteen station presets (seven FM and seven AM). Optional. (RPO UM6)

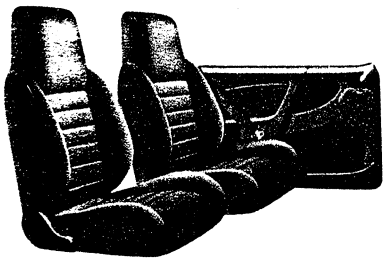


AM/FM stereo with compact disc player. 20-20,000 Hz frequency response provides a rich, full sound. Includes Delco-Loc II theft-deterrent feature. "Soft" loading mechanism for easy disc loading. Preview/ Next buttons allow sampling of disc selections. Optional for Cavalier Z24 Coupe and RS and Z24 Convertibles. Ten station presets (five FM and five AM). (RPO U1C)

SEAT TYPES AND COLORS

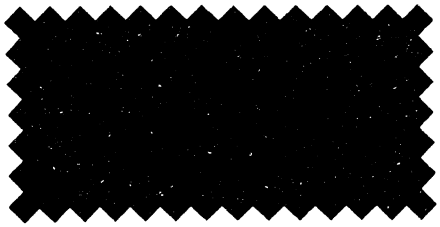
CAVALIER VL AND RS STANDARD CLOTH SEAT TRIM

Cavalier VL and RS standard cloth seat trim available in Dark Blue, Camel, Graphite or Gray.

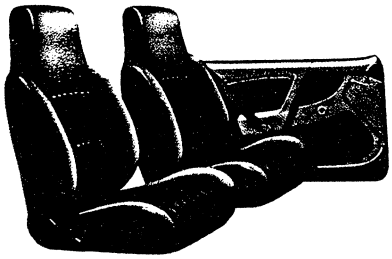


Cavalier VL and RS standard cloth reclining bucket seats with integral head restraints and cloth door trim inserts.

CAVALIER Z24 COUPE SPORT CLOTH SEAT TRIM

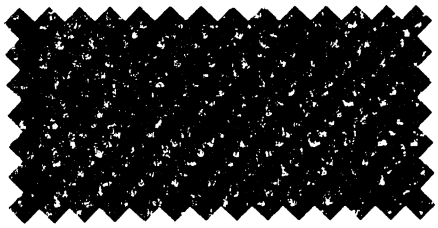


Cavalier Z24 Coupe standard Sport Cloth seat trim available in Dark Blue, Camel, Graphite or Gray.

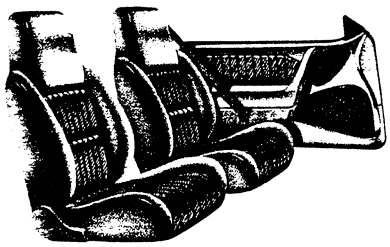


Z24 Coupe standard Sport Cloth reclining bucket seats with integral head restraints and seat-back storage pockets. Driver's seat includes mechanical 4-way adjuster.

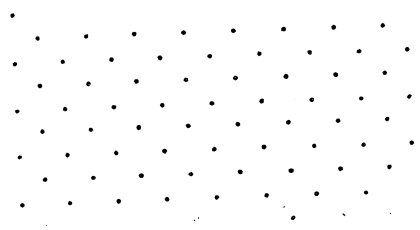
CAVALIER RS AND Z24 CONVERTIBLE BUCKET SEAT TRIM



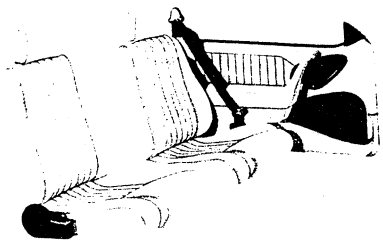
Cavalier RS and Z24 Convertible standard Sport Cloth in Dark Blue, Camel or Gray.



Cavalier RS and Z24 Convertible with standard Sport Cloth reclining bucket seats with integral head restraints and storage pockets. Driver's seat includes mechanical 4-way adjuster (Z24 only).



Cavalier RS and Z24 optional vinyl in White only.



Cavalier RS and Z24 Convertible with optional vinyl reclining bucket seats with adjustable head restraints and seat-back storage pockets. Driver's seat includes mechanical 4-way adjuster (Z24 only).

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

MODELS

VEHICLE	MODEL NUMBER
CAVALIER 2-DOOR COUPE (VOLUME VEHICLE)	1JC37 w/WV9
CAVALIER RS 2-DOOR COUPE	1JC37
CAVALIER 4-DOOR SEDAN	1JC69 w/WV9
CAVALIER RS 4-DOOR SEDAN	1JC69

- ABS VI anti-lock brake system standard.
- 2.2L L4 with Multi-Port Fuel Injection and 5-speed manual transmission standard.
- RS model features AM/FM stereo, tinted glass, headlamps-on reminder, red- or silver-accented exterior moldings and fascias and specific bolt-on full wheel covers (see Order Guide for details).
- Locking glove box (RS).
- Color-keyed seat belts (RS).
- Speakers and antenna deleted from Cavalier models with VL package when radio is not ordered.
- Base-coat/clear-coat paint standard.
- Optional Performance Handling Package (RPO Z51) available for RS Coupe, RS Sedan and RS Wagon (see Order Guide for details).

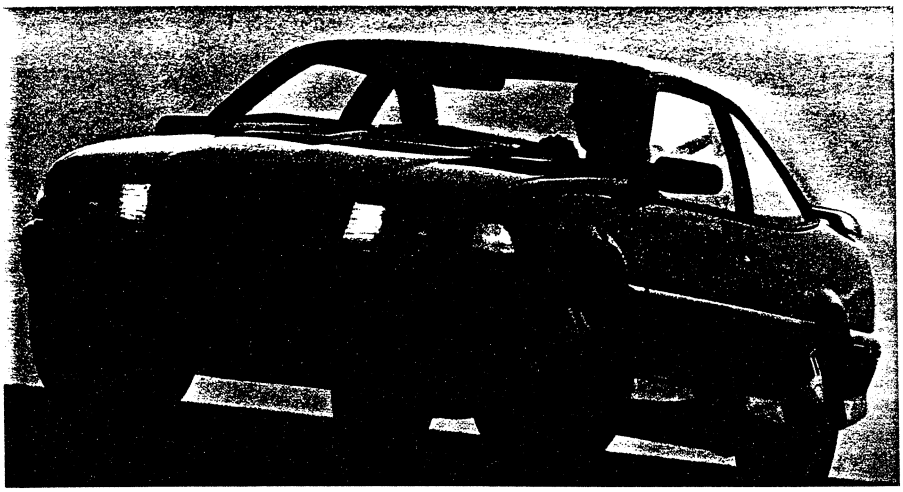
VEHICLE	MODEL NUMBER
CAVALIER 4-DOOR WAGON	1JC35 w/WV9
CAVALIER RS 4-DOOR WAGON	1JC35

- ABS VI anti-lock brake system standard.
- 2.2L L4 with Multi-Port Fuel Injection and automatic transmission standard.
- 3.1L V6 optional with RS Wagon only.
- RS model features AM/FM stereo, tinted glass, headlamps-on reminder, red- or silver-accented exterior moldings and fascias and specific bolt-on full wheel covers (see Order Guide for details).
- Base-coat/clear-coat paint standard.
- Locking glove box (RS).
- Color-keyed seat belts (RS).
- Speakers and antenna deleted from Cavalier models with VL package when radio is not ordered.

VEHICLE	MODEL NUMBER
CAVALIER RS CONVERTIBLE	1JC67
CAVALIER Z24 CONVERTIBLE	1JF67

- 2.2L L4 with Multi-Port Fuel Injection standard on RS. The 3.1L V6 engine is available (standard on Z24).
- RS uses Z24 seat and door trim fabric.
- New Z24 Convertible model with full Z24 exterior treatment, Z24 wheels and tires, standard 3.1 Liter V6 and Sport Cloth interior.
- A rear deck spoiler optional for the Z24 Convertible.
- Choice of Black or White top.
- Choice of Sport Cloth or optional White vinyl interior.
- Stereo compact disc player optional on both Convertibles; includes Delco-Loc II theft-deterrent feature.

CAVALIER Z24 2-DOOR COUPE



VEHICLE	MODEL NUMBER
CAVALIER Z24 2-DOOR COUPE	1JF37

- 3.1 Liter V6 with Multi-Port Fuel Injection standard.
- Special exterior styling with cowl-induction hood, sport front fascias with lower-body ground effects.
- P205/60R-15 Eagle GA Touring tires combine smooth, quiet ride qualities with performance tire grip.
- Rear deck-lid spoiler optional.
- Gage package with trip odometer.
- Four-way adjustable driver's seat.
- Special Sport Suspension.
- Stereo with compact disc player optional; includes Delco-Loc II theft-deterrent feature.

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

CHEVROLET SPECIFICATIONS --1992 CAVALIER

MODELS — PASSENGER

Cavalier Z24 Convertible (1JF67)	4
Cavalier Z24 2-Door Coupe (1JF37)	5
Cavalier RS Convertible (1JC67)	4
Cavalier RS 2-Door Coupe (1JC37)	5
Cavalier RS 4-Door Sedan (1JC69)	5
Cavalier RS 4-Door Wagon (1JC35)	5
Cavalier VL 2-Door Coupe (1JC37/WV9)	5
Cavalier VL 4-Door Sedan (1JC69/WV9)	5
Cavalier VL 4-Door Wagon (1JC35/WV9)	5

DIMENSIONS (inches)

EXTERIOR

Wheelbase		101.3
Length (overall)	Conv,Sedan,Coupe	182.3
	Wagon	181.1
Width (overall)		66.3
Height (overall)	Sedan	53.6
	Conv,Coupe	52.0
	Wagon	54.1

INTERIOR

Head Room-Front/Rear	Sedan	39.1/37.4
	Conv, Coupe	37.9/36.1
	Wagon	38.9/38.5
Shoulder Room-Front/Rear	Sedan, Wagon	52.7/52.7
	Coupe	52.8/52.9
	Conv	52.8/38.0
Hip Room-Front/Rear	Sedan	48.0/48.8
	Coupe	47.6/49.4
	Conv	47.6/38.0
	Wagon	48.1/49.0
Leg Room-Front/Rear	Sedan	42.2/33.0
	Conv,Coupe	43.0/30.7
	Wagon	42.2/32.2

LUGGAGE/CARGO CAPACITY (cu. ft.)

Luggage Capacity	Sedan	13.0
	Coupe	13.2
	Conv	10.3
Cargo Volume		
with Rear Seat Up	Wagon	34.1
With Rear Seat Down	Wagon	64.4

RATED FUEL TANK CAPACITY (gallons) 15.2

STANDARD EQUIPMENT SUMMARY

Composite Halogen Headlamps
5-MPH Bumpers
Bolt - On Full Wheel Covers
Console with Integral Armrest
All-Season Steel-Belted Radial Ply Blackwall Tires
Black Side Window Moldings
L.H. Remote Sport Mirror (Black)
Engine Compartment Hood Insulator Pad
Passive Front Safety Belt System, Rear Seat Outer Position Lap/Shoulder Belts, Lap Belt for Rear Center Position
Passenger Floor and Trunk (Conv,Coupe and Sedan) or Load Floor (Wagon) Carpeting
Center High-Mounted Stop Lamp
Side Window Defoggers
Easy-Entry Passenger Seat (Coupe and Conv)*
Glove Compartment and Trunk/Rear Compartment Lamps
Day/Night Inside Rear View Mirror
Headlamps-On Reminder* (N/A on VL models)
Tinted Glass (Wagon,Z24 Coupe, Z24 Convertible and RS Convertible Models Only)
Power Rack and Pinion Steering
4-Wheel Anti-Lock Brake System
Self-Aligning Steering Wheel
Scotchgard ™ Fabric Protector
Stainless Steel Exhaust System
Power Door Locks with Automatic Locking Feature
Power Windows (Convertible Only)
Power Operated Top (Convertible Only)
Base Coat/Clear Coat Paint
Brake/Transmission Inter-Lock System

* Not Included on VL Models

SEAT STYLES

STANDARD SEATS
(VL and RS Models)
Cloth Reclining Front Bucket Seats with Integral Head Restraints
(Z24 Coupe)
Sport Cloth Reclining Front Bucket Seats with Integral Head Restraints and Split Folding Rear Seat Back and 4-way Driver's Seat Adjuster
(RS and Z24 Convertible)
Sport Cloth Reclining Bucket Seats with Integral Head Restraints and 4-way Seat Adjuster

OPTIONAL SEATS CUSTOM INTERIOR
(RS and Z24 Convertible)
Vinyl Reclining Bucket Seats with Integral Head Restraints

CAVALIER Z24 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		Dk Blue	Camel	Gray	White
MODEL	SEAT TYPE				
1JF67	Sport Cloth Bucket	JDD2	JEE2	JQQ2	
	Vinyl Bucket				VWW2

@CONVERTIBLE TOP AND PAINT SELECTOR

Exterior Color	Color Code 1	Color Code 2	Dk Blue	Camel	Gray	White
Aqua, Bright (Met)	43	43			40T/41T	40T/41T
Black	41	41			40T/41T	40T/41T
Blue, Med Quasar (Met)	80	80	40T/41T		40T/41T	40T/41T
Red, Autumn Maple (Met)	89	89		40T/41T	40T/41T	40T/41T
Red, Bright	81	81		40T/41T	40T/41T	40T/41T
White	40	40	40T/41T	40T/41T	40T/41T	40T/41T

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

CONVERTIBLE TOP COLOR

WHITE.....40T BLACK.....41T

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO	
	2.84	3.61
WITH NA5 STANDARD EMISSIONS		
LH0 MM5	----	Std
MX1	*Std	----
WITH YF5 CALIFORNIA EMISSIONS		
LH0 MM5	----	*Std
MX1	*Std	----

*Reqs C60 Air

18,780.00 **Model 1JF67 Z24 Convertible**

PREFERRED VEHICLE

MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED

		JFA1	JFA2
854.00	**Preferred Equipment Group 1**		
(-500.00)	**Preferred Equipment Group 1 Savings**		
	Air Conditioning	x	x
	Floor Covering: Carpeted Mats, Color-Keyed Front and Rear	x	x
	Trunk Opener, Mechanical	x	x
	Windshield Wiper System, Intermittent	x	x
1394.00	**Preferred Equipment Group 2**		
(-650.00)	**Preferred Equipment Group 2 Savings**		
	Cargo Retaining Net, Luggage Area		x
	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System		x
	Speed Control: Electronic, with Resume Speed		x
	Steering Wheel, Comfortilt		x

Base Vehicles may be ordered by specifying Preferred Equipment Group Code JFAB (Incls Applicable Standard Items Listed on Page 1 and LH Remote, RH Manual Sport Mirrors, 3.1 Liter MFI V6 Eng, 5-Speed Manual Trans, 15" Aluminum Wheels, AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extend Range Sound System, Level III Sport Suspension, Gas-Charged Shocks, Gage Pkg w/Tach and Trip Odometer, Sport Cloth Bucket Seats, Power Windows, Color-Keyed Aero Package, Deluxe Luggage Compartment Trim, Covered Visor Vanity Mirrors and Mirror Mounted Map Light).

REGIONALIZED OPTIONS

ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY

ENGINE (Must Order)

N.C. LH0 3.1 Liter MFI V6

TRANSMISSION (Must Order One)

N.C. MM5 5-Speed Manual (Base)

495.00 MX1 3-Speed Automatic (Reqs C60 Air)

EMISSION (Must Order One)

N.C. NA5 Standard Emissions

100.00 YF5 California Emissions (Reqs C60 Air)

TIRES (Must Order One)

N.C. QIM P205/60 R15 B/W (Base)

98.00 QIQ P205/60 R15 Raised White Outlined Letter

CLIMATE CONTROL

745.00 C60 Air Conditioning (Incl w/Groups JFA1 and JFA2)

20.00 K05 Heater, Engine Block

RADIO EQUIPMENT

V.P.S. --- Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System (Base)

V.P.S. UM6 Electronically Tuned AM/FM StereoRadio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System (Incl w/ Group JFA2)

V.P.S. U1C Electronically Tuned AM Stereo/ FMStereo Radio w/Seek-Scan, Compact Disc Player and Digital Clock w/Extended Range Sound System and Delco - LOC II

INTERIOR TRIM

N.C. J**2 Sport Cloth Bucket

75.00 v**2 Vinyl Bucket

ADDITIONAL OPTIONS

N.C. VK3 License Plate Bracket, Front

N.C. R8T Priced Order Acknowledgement

110.00 T43 Spoiler, Rear

(Note: One of the following defogger options must be specified)
170.00 C49 Defogger, Rear Window Electric
N.C. B9W Defogger, Rear Window not Desired

CAVALIER Z24 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	Graphite	Dk Blue	Camel	Gray

MODEL	SEAT TYPE				
1JF37	Sport Cloth Bucket	JBB2	JDD2	JEE2	JQQ2

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code 1	Color Code 2	Graphite	Dk Blue	Camel	Gray
Aqua, Bright (Met)	43	43	x			x
Black	41	41	x			x
Blue, Med Quasar (Met)	80	80		x		x
Red, Bright	81	81	x		x	x
Red, Autumn Maple (Met)	89	89			x	x
White	40	40	x	x	x	x

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO	
	2.84	3.61
WITH NA5 STANDARD EMISSIONS		
LH0 MM5	----	Std
MX1	Std	----
WITH YF5 CALIFORNIA EMISSIONS		
LH0 MM5	----	Std
MX1	Std	----

13,470.00 **Model 1JF37 Z24 Coupe**

PREFERRED VEHICLE

MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED

		JZA1	JZA2
1023.00	**Preferred Equipment Group 1**		
(-400.00)	**Preferred Equipment Group 1 Savings**		
	Air Conditioning	x	x
	Dome Reading Lamp	x	x
	Floor Covering: Carpeted Mats, Color-Keyed Front and Rear	x	x
	Trunk Opener, Mechanical	x	x
	Steering Wheel, Comfortilt	x	x
	Windshield Wiper System, Intermittent	x	x
1683.00	**Preferred Equipment Group 2**		
(-600.00)	**Preferred Equipment Group 2 Savings**		
	Cargo Retaining Net, Luggage Area		x
	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System		x
	Power Windows		x
	Speed Control: Electronic, with Resume Speed		x

Base Vehicles may be ordered by specifying Preferred Equipment Group Code JZAB (Incls Applicable Standard Items Listed on Page 1 andLH Remote, RH Manual Sport Mirrors, 3.1 Liter MFI V6 Eng, 5-Speed Manual Trans, 15" Aluminum Wheels, AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extend ed Range Sound System, Level III Sport Suspension, Gas-Charged Shocks, Gage Pkg w/Tach and Trip Odometer, Color-Keyed Aero Package, Split Folding Rear Seat, Deluxe Luggage Compartment Trim and Covered Visor Vanity Mirrors).

REGIONALIZED OPTIONS

ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY

ENGINE (Must Order)

N.C. LH0 3.1 Liter MFI V6

TRANSMISSION (Must Order One)

N.C. MM5 5-Speed Manual (Base)

495.00 MX1 3-Speed Automatic (Reqs C60 Air)

EMISSION (Must Order One)

N.C. NA5 Standard Emissions

100.00 YF5 California Emissions (Reqs C60 Air)

TIRES (Must Order One)

N.C. QIM P205/60 R15 B/W (Base)

98.00 QIQ P205/60 R15 Raised White Outlined Letter

CLIMATE CONTROL

745.00 C60 Air Conditioning (Incl w/Groups JZA1 and JZA2)

20.00 K05 Heater, Engine Block

(Note: One of the Following Defogger Options must be Specified)

170.00 C49 Defogger, Rear Window: Electric

N.C. R9W Defogger, Rear Window not Desired

RADIO EQUIPMENT

V.P.S. --- Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System (Base)

V.P.S. UM6 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System (Incl w/ Group JZA2)

V.P.S. U1C Electronically Tuned AM Stereo/ FM Stereo Radio w/Seek-Scan, Compact Disc Player and Digital Clock w/Extended Range Sound System and Delco - LOC II

INTERIOR TRIM

N.C. J**2 Sport Cloth Bucket

ADDITIONAL OPTIONS

N.C. VK3 License Plate Bracket, Front

N.C. R8T Priced Order Acknowledgement

110.00 T43 Spoiler, Rear

350.00 AD3 Sunroof, Removable (Reqs C60 Air)

CAVALIER RS 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		Dk Blue	Camel	Gray	White
MODEL	SEAT TYPE				
1JC67	Sport Cloth Bucket	JDD2	JEE2	JQQ2	
	Vinyl Bucket				VWW2

@CONVERTIBLE TOP AND PAINT SELECTOR

Exterior Paint Color	Color Code 1	Color Code 2	Dk Blue	Camel	Gray	White	Bumpers	Wheel Cover	Moldings Accent Strip
Aqua, Bright (Met)	43	43			40T/41T	40T/41T	Black	Silver	Silver
Black	41	41			40T/41T	40T/41T	Black	Silver	Red
Blue, Med Quasar (Met)	80	80	40T/41T		40T/41T	40T/41T	Black	Silver	Silver
Red, Autumn Maple (Met)	89	89		40T/41T	40T/41T	40T/41T	Black	Silver	Red
Red, Bright	81	81		40T/41T	40T/41T	40T/41T	Black	Silver	Red
White	40	40	40T/41T	40T/41T	40T/41T	40T/41T	White	Silver	Red

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

CONVERTIBLE TOP COLOR

WHITE.....40T BLACK.....41T

POWER TEAMS

ENGINE OPTION CONDITION		FINAL DRIVE RATIO			
		2.53	2.84	3.45	3.61
WITH NA5 STANDARD EMISSIONS					
LH0	MM5	----	----	----	*Std
	MX1	*Std	----	----	----
LN2	MM5	----	----	Std	----
	MX1	----	Std	----	----
WITH YF5 CALIFORNIA EMISSIONS					
LH0	MM5	----	----	----	*Std
	MX1	*Std	-	----	
LN2	MM5	----	----	Std	----
	MX1	----	Std	----	----

* Reqs C60 Air

15,870.00 **Model 1JC67 RS Convertible**

PREFERRED VEHICLE

MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED

		JSA1	JSA2
854.00	**Preferred Equipment Group 1**		
(-500.00)	**Preferred Equipment Group 1 Savings**		
	Air Conditioning	x	x
	Floor Covering: Carpeted Mats, Color-Keyed Front and Rear	x	x
	Trunk Opener, Mechanical	x	x
	Windshield Wiper System, Intermittent	x	x
1394.00	**Preferred Equipment Group 2**		
(-650.00)	**Preferred Equipment Group 2 Savings**		
	Cargo Retaining Net, Luggage Area		x
	Electronically Tuned AM/FM Stereo Radio with Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System		x
	Speed Control: Electronic, with Resume Speed		x
	Steering Wheel, Comfortilt		x

Base Vehicles may be ordered by specifying Preferred Equipment Group Code JSAB (Incls Applicable Standard Items Listed on Page 1 and14" Bolt-on Full Wheel Covers, Power Steering, 2.2 Liter MFI L4 Eng, 5-Speed Manual Trans, AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System, Mirror Mounted Map Light,P185/75R14 Blackwall Tires, Power Windows, Covered Visor Vanity Mirrors and LH Remote, RH Manual Sport Mirrors).

REGIONALIZED OPTIONS

ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY

ENGINE (Must Order)

N.C.	LN2	2.2 Liter MFI L4 (Base)
610.00	LH0	3.1 Liter MFI V6 (Reqs C60 Air and Z51 Performance Pkg)

TRANSMISSION (Must Order One)

N.C.	MM5	5-Speed Manual (Base)
495.00	MX1	3-Speed Automatic

EMISSION (Must Order One)

N.C.	NA5	Standard Emissions
100.00	YF5	California Emissions

TIRES

N.C.	---	P185/75 R14 B/W (Base)
N.C.	---	P195/70 R 14 B/W (Incl w/z51 Sport Pkg)

WHEELS

N.C.	---	Bolt - On Full Wheel Covers (Base)

CLIMATE CONTROL

745.00	C60	Air Conditioning (Incl w/Groups JSA1 and JSA2)
20.00	K05	Heater, Engine Block

RADIO EQUIPMENT

V.P.S.	---	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System (Base)
V.P.S.	UM6	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System (Incl w/ Group JSA2)
V.P.S.	U1C	Electronically Tuned AM Stereo/ FM Stereo Radio w/Seek-Scan, Compact Disc Player and Digital Clock w/Extended Range Sound System and Delco - LOC II

INTERIOR TRIM

.N.C.	J**2	Sport Cloth Bucket
75.00	V**2	Vinyl Bucket

ADDITIONAL OPTIONS

115.00	V56	Carrier, Deck Lid: Black
N.C.	VK3	License Plate Bracket, Front
224.00	Z51	Performance Handling Package (Incls Level II Suspension, P195/70R14 Blackwall Tires and Gage Package with Tach and Trip Odometer)
N.C.	R8T	Priced Order Acknowledgement

(Note One of the following defogger options must be specified)
- 70.00 C49 Defogger, Rear Window: Electric
N.C. B9W Defogger, Rear Window Not Desired

CAVALIER RS COUPE AND SEDAN

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	Graphite	Dk Blue	Camel	Gray

Model	Seat Type				
1JC69 1JC37	Cloth Bucket	CBB2	CDD2	CEE2	CQQ2

STANDARD COMBINATIONS

Exterior Paint Color	Color Code 1	Color Code 2	Graphite	Dk Blue	Camel	Gray	Bumpers	Wheel Covers	Moldings Accent Stripe Coupe	Moldings Accent Stripe Sedan
Aqua, Bright (Met)	43	43	x			x	Black	Silver	Silver	Silver
Black	41	41	x			x	Black	Silver	Red	Silver
Blue, Maui (Met)	23	23		x		x	Black	Silver	Silver	Silver
Gold, Lt (Met)	67	67			x		Black	Silver	Silver	Silver
Gray, Med (Met)	15	15	x			x	Gray	Silver	Silver	Silver
Red, Bright	81	81	x		x	x	Black	Silver	Red	Red
Red, Autumn Maple (Met)	89	89			x	x	Black	Silver	Red	Silver
White	40	40	x	x	x	x	White	Silver	Red	Red

POWER TEAMS

ENGINE OPTION CONDITION		FINAL DRIVE RATIO	
		2.84	3.45
WITH NA5 STANDARD EMISSIONS			
LN2	MM5	----	Std
	MX1	Std	----
WITH YF5 CALIFORNIA EMISSIONS			
LN2	MM5	----	Std
	MX1	Std	----

10,474.00 **Model 1JC37 Cavalier RS Coupe**
10,674.00 **Model 1JC69 Cavalier RS Sedan**

PREFERRED VEHICLE

MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED

		JCA1	JCA2
1072.00	**Preferred Equipment Group 1**		
(-400.00)	**Preferred Equipment Group 1 Savings**		
	Air Conditioning	x	x
	Floor Covering: Carpeted Mats, Color-Keyed Front and Rear	x	x
	Mirrors: Visor Vanity, Dual Covered	x	x
	Trunk Opener, Mechanical	x	x
	Reading Lamp, Dome Mounted	x	x
	Rear Seat: Split Back, Folding (Incls Deluxe Luggage Compartment Trim)	x	x
	Sport Mirrors: LH Remote, RH Manual	x	x
	Windshield Wiper System, Intermittent	x	x
1877.00	**Preferred Equipment Group 2**		
(-600.00)	**Preferred Equipment Group 2 Savings**		
	Cargo Retaining Net, Luggage Area		x
	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System		x
	Power Windows		x
	Speed Control: Electronic, with Resume Speed		x
	Steering Wheel, Comfortilt		x

Base Vehicles may be ordered by specifying Preferred Equipment Group Code JCAB (Incls Applicable Standard Items Listed on Page 1 and LH Remote Sport Mirror, Tinted Glass, 2.2 Liter MFI L4 Eng, 5-Speed Manual Trans, P185/75R14 Blackwall,Body Side Moldings, Bolt-On Full Wheel Covers and AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System).

REGIONALIZED OPTIONS

ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY

ENGINE (Must Order)
N.C. LN2 2.2 Liter MFI L4

TRANSMISSION (Must Order One)
N.C. MM5 5-Speed Manual (Base)
495.00 MX1 3-Speed Automatic

EMISSION (Must Order One)
N.C. NA5 Standard Emissions
100.00 YF5 California Emissions

TIRES
N.C. ---P185/75 R 14 B/W (Base)
N.C. --- P195/70 R 14 B/W (Incl w/Z51 Perf Pkg)

WHEELS
N.C. ---Bolt - On Full Wheel Covers (Base)

CLIMATE CONTROL
745.00 C60 Air Conditioning (Incl w/Groups JCA1 and JCA2)
20.00 K05 Heater, Engine Block

(Note: One of the Following Defogger Options must be Specified)
170.00 C49 Defogger, Rear Window: Electric
N.C. R9W Defogger, Rear Window not Desired

RADIO EQUIPMENT
V.P.S. --- Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System (Base)
V.P.S. UM6 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System (Incl w/Group JCA2)

INTERIOR TRIM
N.C. C**2 Cloth Bucket

ADDITIONAL OPTIONS
N.C. VK3 License Plate Bracket, Front
224.00 Z51 Performance Handling Package (Incls P195/70R14 Blackwall Tires, Level II Sport Suspension and Gage Pkg w/Tach and Trip Odometer)
N.C. R8T Priced Order Acknowledgement
225.00 K34 Speed Control: Electronic, with Resume Speed

CAVALIER RS WAGON

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		Graphite	Dk Blue	Camel	Gray
MODEL	SEAT TYPE				
1JC35	Cloth Bucket	CBB2	CDD2	CEE2	CQQ2

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code 1	Color Code 2	Graphite	Dk Blue	Camel	Gray	Bumpers	Wheel Covers	Moldings Accent Strip
Aqua, Bright (Met)	43	43	x			x	Black	Silver	Silver
Black	41	41	x			x	Black	Silver	Silver
Blue, Maui (Met)	23	23		x		x	Black	Silver	Silver
Gold, Lt (Met)	67	67			x		Black	Silver	Silver
Gray, Med (Met)	15	15	x			x	Gray	Silver	Silver
Red, Bright	81	81	x		x	x	Black	Silver	Red
Red, Autumn Maple (Met)	89	89			x	x	Black	Silver	Silver
White	40	40	x	x	x	x	White	Silver	Red

POWER TEAMS

ENGINE OPTION CONDITION	Final Drive Ratio
	2.84
WITH NA5 STANDARD EMISSIONS	
LN2 MX1	Std
LH0 MX1	*Std
WITH YF5 CALIFORNIA EMISSIONS	
LN2 MX1	Std
LH0 MX1	*Std

*Reqs C60 Air

11,674.00 **Model 1JC35 RS Wagon**

PREFERRED VEHICLE

MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED

		JWA1	JWA2
961.00	**Preferred Equipment Group 1**		
(-400.00)	**Preferred Equipment Group 1 Savings**		
	Air Conditioning	x	x
	Floor Covering: Carpeted Mats, Color-Keyed Front and Rear	x	x
	Mirrors: Visor Vanity, Dual Covered	x	x
	Reading Lamp, Dome Mounted	x	x
	Rear Seat: Split Back, Folding	x	x
	Sport Mirrors: LH Remote, RH Manual	x	x
	Windshield Wiper System, Intermittent	x	x
1916.00	**Preferred Equipment Group 2**		
(-600.00)	**Preferred Equipment Group 2 Savings**		
	Carrier, Roof		x
	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan Stereo Cassette Tape and Digital Clock w/Extended Range Sound System		x
	Power Windows		x
	Speed Control: Electronic, with Resume Speed		x
	Steering Wheel, Comfortilt		x

Base Vehicles may be ordered by specifying Preferred Equipment Group Code JWAB (Incls Applicable Standard Items Listed on Page 1 and LH Remote Sport Mirror, 2.2 Liter MFI L4 Eng, Bolt - On Full Wheel Covers, Body Side Moldings, P185/75R14 Blackwall Tires, AM/FM Stereo Radio w/ Seek-Scan and Digital Clock w/Extended Range Sound System and Power Tailgate Release).

REGIONALIZED OPTIONS

ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY

ENGINE (Must Order One)

N.C. LN2 2.2 Liter MFI L4 (Base)

610.00 LH0 3.1 Liter MFI V6 (Reqs C60 Air and Z51 Performance Handling Package)

TRANSMISSION (Must Order)

N.C. MX1 3-Speed Automatic

EMISSION (Must Order One)

N.C. NA5 Standard Emissions

100.00 YF5 California Emissions (w/LH0 Eng Reqs C60 Air)

TIRES

N.C. --- P185/75 R14 B/W (Base)

N.C. --- P195/70 R 14 B/W (Incl w/Z51 Perf Pkg)

WHEELS

N.C. --- Bolt - On Full Wheel Covers (Base)

CLIMATE CONTROL

745.00 C60 Air Conditioning (Incl w/Group JWA1 and JWA2)

20.00 K05 Heater, Engine Block

(Note: One of the Following Defogger Options must be Specified)

170.00 C49 Defogger, Rear Window: Electric

N.C. R9W Defogger, Rear Window Not Desired

RADIO EQUIPMENT

V.P.S. --- Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System (Base)

V.P.S. UM6 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System (Incl w/ Group JWA2)

INTERIOR TRIM

N.C. C**2 Cloth Bucket

ADDITIONAL OPTIONS

115.00 V54 Carrier, Roof (Incl w/Group JWA2)

N.C. VK3 License Plate Bracket, Front

224.00 Z51 Performance Handling Package (Incls P195/70R14 Blackwall Tires, Level II Sport Suspension and Gage Pkg w/ Tach and Trip Odometer)

N.C. R8T Priced Order Acknowledgement

225.00 K34 Speed Control: Electronic, with Resume Speed

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		Graphite	Dk Blue	Camel	Gray
MODEL	SEAT TYPE				
1JC69 1JC37	Cloth Bucket	CBB2	CDD2	CEE2	CQQ2

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code 1	Color Code 2	Graphite	Dk Blue	Camel	Gray
Aqua, Bright (Met)	43	43	x			x
Black	41	41	x			x
Blue, Maui (Met)	23	23		x		x
Blue, Med Quasar (Met)	80	80		x		x
Gold, Lt (Met)	67	67			x	
Gray, Med (Met)	15	15	x			x
Red, Bright	81	81	x		x	x
White	40	40	x	x	x	x

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO	
	2.84	3.45
WITH NA5 STANDARD EMISSIONS		
LN2 MM5	----	Std
MX1	Std	----
WITH YF5 CALIFORNIA EMISSIONS		
LN2 MM5	----	Std
MX1	Std	----

9374.00 **Model 1JC37 Cavalier VL Coupe**
9474.00 **Model 1JC69 Cavalier VL Sedan**

		JPA1
550.00	**Preferred Equipment Group 1**	
	Bodyside Moldings	x
	Electronically Tuned AM/FM Stereo w/Seek-Scan and Digital Clock w/Extended Range Sound System	x
	Floor Covering: Carpeted Mats, Color-Keyed Front and Rear	x
	Sport Mirrors: LH Remote, RH Manual	x
	Tinted Glass	x

Base Vehicles may be ordered by specifying Preferred Equipment Group Code JPAB (Incls Applicable Standard Items Listed on Page 1 and LH Remote Sport Mirror, 2.2 Liter MFI L4 Eng, 5-Speed Manual Trans, P185/75 R14 Blackwall Radial Tires and Bolt - On Full Wheel Covers).

REGIONALIZED OPTIONS

ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY

ENGINE (Must Order)
N.C. LN2 2.2 Liter MFI L4

TRANSMISSION (Must Order One)
N.C. MM5 5-Speed Manual (Base)
495.00 MX1 3-Speed Automatic

EMISSION (Must Order One)
N.C. NA5 Standard Emissions
100.00 YF5 California Emissions

TIRES
N.C. --- P185/75 R14 B/W (Base)

WHEELS
N.C. --- Bolt - On Full Wheel Covers (Base)

CLIMATE CONTROL
745.00 C60 Air Conditioning
20.00 K05 Heater, Engine Block

(Note: One of the Following Defogger Options must be Specified)
170.00 C49 Defogger, Rear Window: Electric
N.C. R9W Defogger, Rear Window not Desired

RADIO EQUIPMENT
V.P.S. UM7 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range SoundSystem (Incl w/ Group JPA1)
V.P.S. UM6 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System
V.P.S. --- Radio Delete (Base) (Speakers and Antenna Not Included)

INTERIOR TRIM
N.C. C**2 Cloth Bucket

ADDITIONAL OPTIONS
50.00 B84 Bodyside Moldings
N.C. VK3 License Plate Bracket, Front
N.C. R8T Priced Order Acknowledgement
30.00 D35 Sport Mirrors: LH Remote, RH Manual
145.00 N33 Steering Wheel, Comfortilt
105.00 A01 Tinted Glass (Incl w/ Group JPA1)

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		Graphite	Dk Blue	Camel	Gray
MODEL	SEAT TYPE				
1JC35	Cloth Bucket	CBB2	CDD2	CEE2	CQQ2

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code 1	Color Code 2	Graphite	Dk Blue	Camel	Gray
Aqua, Bright (Met)	43	43	x			x
Black	41	41	x			x
Blue, Maui (Met)	23	23		x		x
Blue, Med Quasar (Met)	80	80		x		x
Gold, Lt (Met)	67	67			x	
Gray, Med (Met)	15	15	x			x
Red, Bright	81	81	x		x	x
White	40	40	x	x	x	x

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO
	2.84
WITH NA5 STANDARD EMISSIONS	
LN2 MX1	Std
WITH YF5 CALIFORNIA EMISSIONS	
LN2 MX1	Std

10,574.00 **Model 1JC35 Cavalier VL Wagon**

PREFERRED VEHICLE

MUST ORDER ONE GROUP -- NO DELETIONS ALLOWED

		JLA1
445.00	**Preferred Equipment Group 1**	
	Bodyside Moldings	x
	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System	x
	Floor Covering: Carpeted Mats, Color-Keyed Front and Rear	x
	Sport Mirrors: LH Remote, RH Manual	x

Base Vehicles may be ordered by specifying Preferred Equipment Group Code JLAB (Incls Applicable Standard Items Listed on Page 1 and LH Remote Sport Mirror, 2.2 Liter MFI L4 Eng, 3-Speed Automatic Trans, Bolt - on Full Wheel Covers, Power Tailgate Release, Power Door Lock System and P185/75 R14 Blackwall Radial Tires).

REGIONALIZED OPTIONS

ADDITIONAL OPTIONS MAY BE ORDERED FROM THIS LISTING ONLY

ENGINE (Must Order)

N.C. LN2 2.2 Liter MFI L4

TRANSMISSION (Must Order)

N.C. MX1 3-Speed Automatic

EMISSION (Must Order One)

N.C. NA5 Standard Emissions

100.00 YF5 California Emissions

TIRES

N.C. --- P185/75 R14 B/W (Base)

WHEELS

N.C. --- Bolt -On Full Wheel Covers (Base)

CLIMATE CONTROL

745.00 C60 Air Conditioning

20.00 K05 Engine Block Heater

(Note: One of the Following Defogger Options must be Specified)

170.00 C49 Defogger, Rear Window: Electric

N.C. R9W Defogger, Rear Window not Desired

RADIO EQUIPMENT

V.P.S. UM7 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock w/Extended Range Sound System (Incl w/ Group JLA1)

V.P.S. UM6 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Stereo Cassette Tape and Digital Clock w/Extended Range Sound System

V.P.S. --- Radio Delete (Base) (Speakers and Antenna Not Included)

INTERIOR TRIM

N.C. C**2 Cloth Bucket

ADDITIONAL OPTIONS

50.00 B84 Bodyside Moldings

N.C. VK3 License Plate Bracket, Front

N.C. R8T Priced Order Acknowledgement

30.00 D35 Sport Mirrors: LH Remote, RH Manual

145.00 N33 Steering Wheel, Comfortilt

NOTES

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1992

Manufacturer	Vehicle Line
CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	 CAVALIER
Mailing Address CHEVROLET-PONTIAC-CANADA GROUP ENGINEERING CENTER GENERAL MOTORS CORPORATION 30003 VAN DYKE WARREN, MICHIGAN 48090-9060	**Issued** SEPTEMBER, 1991 / **Revised**

Direct questions concerning these specifications to the manufacturer listed above.

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

FORM MVMA-92

MVMA Specifications

METRIC (U.S. Customary)

Table of Contents

O **Indicates Format Change From Previous Year**

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.

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	General Motors Corporation, L.A.D. Lansing
Where built (country)	United States
Authorized U.S. Sales marketing representative	Chevrolet Motor Division

Vehicle Models

Model Description & Drive (FWD/RWD/AWD/4WD)*	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
CAVALIER RS				
4-Door Station Wagon (FWD)	1JC35	2/3	40 (88	24/31
2-Door Notchback Coupe (FWD)	1JC37	2/3	60 (132)	24/35
4-Door Notchback Sedan (FWD)	1JC69	2/3	60 (132)	24/35
2-Door Convertible	1JC67	2/2	60 (132)	
CAVALIER Z24				
2-Door Notchback Coupe (FWD)	1JF37	2/3	60 (132)	19/28
2-Door Convertible	1JF67	2/2	60 (132)	
CAVALIER (VALUE LEADER)				
4-Door Station Wagon	1JC35 w/WV9			
2-Door Notchback Coupe	1JC37 w/WV9			

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

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*) _____

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
ENGINE	Engine Code		LN2	LN2	LHO	LHO
	Displacement Liters (cu. in.)		2.2L (133) L4	2.2L (133) L4	3.1L (191) V6	3.1L (191) V6
	Induction system (FI, Carb, etc.)		Multi-Port Fuel Injection	Multi-Port Fuel Injection	Multi-Port Fuel Injection	Multi-Port Fuel Injection
	Compression ratio		9.0:1	9.0:1	8.9:1	8.9:1
	SAE Net at RPM	Power kW(bhp)	82 (110) @ 5200	82 (110) @ 5200	104 (140) @ 4200	104 (140) @ 4200
		Torque Newton meters (lb.ft.)	176 (130) @ 3200	176 (130) @ 3200	250 (185) @ 3200	250 (185) @ 3200
	Exhaust Single, dual		Single	Single	Single	Single
TRANS	Transmission/ Transaxle		MK7 Man Transaxle 5-Speed	MD9 Auto Transaxle 3-Speed	MG2 Man Transaxle 5-Speed	MD9 Auto Transaxle 3-Speed
	Axle Ratio (std. first)		3.45	2.84	3.61	2.84

Series Availability		Power Teams (A – B – C – D)	
Model	**Code**	**Standard**	**Optional**
CAVALIER RS			
4-Dr. Station Wagon	1JC35	B	D
2-Dr. Notchback Coupe	1JC37	A	B, C, E
4-Dr. Notchback Sedan	1JC69	A	B, C, E
2-Dr. Convertible	1JC67	A	B, C, E
CAVALIER Z24			
2-Dr. Notchback Coupe	1JF37	C	D
2-Dr. Convertible	1JF67	C	D
CAVALIER (VALUE LEADER)			
4-Dr. Station Wagon	1JC35 w/WV9	B	
2-Dr. Notchback Coupe	1JC37 w/WV9	A	

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*) _____

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.

			E	F	G	H
ENGINE	Engine Code		LHO			
	Displacement Liters (cu. in.)		3.1L (191) V6			
	Induction system (FI, Carb, etc.)		Multi-Port Fuel Injection			
	Compression ratio		8.9:1			
	SAE Net at RPM	Power kW (bhp)	104 (140) @ 4200			
		Torque Newton meters (lb.ft.)	250 (185) @ 3200			
	Exhaust Single, dual		Single			
TRANS	Transmission/ Transaxle		MD9 Auto Transaxle 3-Speed			
	Axle Ratio (std. first)		2.53			

Series Availability		Power Teams (A – B – C – D)	
Model	Code	Standard	Optional

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	2.2 LITER L4 (133 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LN2

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		Inline Front, Transverse - OHV
Manufacturer		General Motors Powertrain Division
No. of cylinders		4
Bore		89.0 mm (3.50 in.)
Stroke		88.0 mm (3.46 in.)
Bore spacing (C/L to C/L)		99.0 mm (3.90 in.)
Cyl blck matl & mass kg(lbs.)(machined)		Cast Iron, 42 (93), W/O Caps
Cylinder block deck height		216.65 mm (8.53 in.)
Cylinder block length		443 mm (17.44 in.)
Deck clearance (minimum) (above or below block)		.7 mm (.028 in.) Below
Cyl. head material & mass kg (lbs.)		Aluminum, 9.7 (21.3)
Cylinder head volume (cu. cm.) (cu.in.)		32.8 (2.00)
Cylinder liner material		No Liner
Head gasket thickness (compressed)		1.50 (.059)
Minimum combustion chamber total volume (cm. cu.) (cu. in.)		67.34 (4.11)
Cyl. no. system (front to rear)*	L. Bank	1-2-3-4
	R. Bank	-
Firing order		1-3-4-2
Intake manifold matl & mass kg (lbs.)**		Aluminum, 3.9 (8.6)
Exh. manifold matl & mass kg (lbs.) **		Cast Iron, 4.5 (10)
O Knock sensor (number & location)		None
Fuel required unleaded, diesel, etc.		Unleaded
Fuel antiknock index (R + M) / 2		87
Engine mounts	Quantity	3
	Matl and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric
	Added isolation (sub-frame, crossmember, etc.)	No
Total dressed engine mass (wt) dry***		147.7 kg (325 lbs.) Automatic 163.3 kg (359 lbs.) Manual

Engine – Pistons

Material & mass, g (weight, oz.) – piston only	Aluminum Alloy, 320 (11.26)

Engine Camshaft

Location		In Block, Right Side
Material & mass kg (weight, lbs.)		Cast Iron, 3.1 (6.8)
Drive type	Chain/belt	Chain
	Width/pitch	19.3 x 9.5 mm (.76 x .37 in.)

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

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	3.1 LITER V6 (191 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LHO

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		60 deg. V, Front, Transverse, OHV
Manufacturer		General Motors Powertrain Division
No. of cylinders		6
Bore		89 (3.5)
Stroke		84 (3.3)
Bore spacing (C/L to C/L)		111.76 (4.4)
Cyl blck matl & mass kg(lbs.)(machined)		Cast Iron, 48.15 (107.0)
Cylinder block deck height		224.0mm (9.0 in.)
Cylinder block length		435.5mm (17.4 in.)
Deck clearance (minimum) (above or below block)		0.12 +/- 0.24mm (.005 +/- .009 in.), ABA
Cyl. head material & mass kg (lbs.)		Aluminum, 5.30 (11.7)
Cylinder head volume (cu. cm.)(cu. in.)		28.0 (1.71)
Cylinder liner material		Not Applicable
Head gasket thickness (compressed)		1.62mm (.062 in.)
Minimum combustion chamber total volume (cu. cm.) (cu. in.)		27.9 (1.70)
Cyl. no. system (front to rear)*	L. Bank	2-4-6
	R. Bank	1-3-5
Firing order		1-2-3-4-5-6
Intake manifold matl & mass kg (lbs.)**		Upper Manifold - Aluminum Alloy, 3.5 (7.9) Lower Manifold - Aluminum Alloy, 5.6 (12.4)
Exh. manifold matl & mass kg (lbs.) **		Nodular Cast Iron, Wt. Of Manifold, Fire Wall Side 3.76 (8.283); Wt. Of Other Manifold, 2.63 (5.786)
O Knock sensor (number & location)		1 Right Side Of Block
Fuel required unleaded, diesel, etc.		Unleaded
Fuel antiknock index (R + M) / 2		87
Engine mounts	Quantity	3
	Matl and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric
	Added isolation (sub-frame, crossmember, etc.)	None
Total dressed engine mass (wt) dry***		171.91 kg. (379 lbs.)

Engine – Pistons

Material & mass, g (weight, oz.) – piston only	Aluminum Alloy. 365 (12.8)

Engine Camshaft

Location		Cylinder Block
Material & mass kg (weight, lbs.)		Cast Iron. 3.098 (6.83)
Drive type	Chain/belt	Chain
	Width/pitch	18.52 x 9.525mm (0.729 x 0.375 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: All those items necessary to make the engine a complete ready-to-run unit.

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Engine Description	2.2 LITER L4 (133 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LN2

Engine – Valve System

Hydraulic lifters (std., opt., n.a.)		Standard
Valves	Number intake/exhaust	4/4
	Head O.D. intake/exhaust	44.0 mm (1.73 in.) / 37.0 mm (1.46 in.)

Engine – Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged Steel, .544 (1.20)
Length(axes centerline to centerline)mm	141.95 mm (5.59 in.)

Engine – Crankshaft

Material & mass kg., (weight, lbs.)*		Nodular Cast Iron, 14.4 (31.7)
End thrust taken by bearing (no.)		4
Length & number of main bearings		5, 20.72 mm (.82 in.)
Seal (material, one, two piece design, etc.)	Front	One Piece Fluroelastomer
	Rear	One Piece Fluroelastomer

Engine – Lubrication System

Normal oil pressure kPa(psi) @ eng rpm	435-530 (63-77) @ 1200
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 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 CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description
Engine Code

3.1 LITER V6 (191 CID)
MULTI-PORT FUEL INJECTION RPO LHO

Engine – Valve System

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

Engine – Connecting Rods

Material & mass kg., (weight, lbs.) *	Forged Steel, .592 (1.31) Full Assembly.
Length(axes centerline to centerline)mm	144.78 (5.79)

Engine – Crankshaft

Material & mass kg., (weight, lbs.) *		Nodular Cast Iron, 17.9 (39.5)
End thrust taken by bearing (no.)		3
Length & number of main bearings		**, 4 Bearings
Seal (material, one, two piece design, etc.)	Front	Viton/Steel, One Piece
	Rear	Viton/Steel, One Piece

Engine – Lubrication System

Normal oil pressure kPa(psi) @ eng rpm	345-450 (50-65) @ 2400
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 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

** Standard measurement for width only:

For 3.1L V6; #1,4 = 29.5mm (1.18 in.); #2,3 = 24.0mm (0.96 in.)

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 2.2 LITER L4 (133 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LN2

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)		109.6 (15.9)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open @ deg's C(F)	89 (192)
Water Pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	7.3
	Number of pumps	1
	Drive (V-belt, other)	Poly-Vee
	Bearing type	Sealed, Ball Roller
	Impeller material	Stamped Steel
	Housing material	Aluminum
By-pass recirculation type (inter., ext.)		External - Thru Intake Manifold Internal
Cooling system capacity	With heater - L (qt.)	8.9 (9.4)
	With air conditioner-L(qt.)	8.9 (9.4)
	Opt. equip. specify-L(qt.)	
Water jackets full length of cyl(yes,no)		No - Between Bores Siamese Below Ring Travel
Water all around cylinder (yes, no)		Yes - In Ring Travel Area
Water jackets open at head face (yes,no)		Yes
Radiator core	Std., A/C, HD	Manual / Auto
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	Tube & Fin / Soldered
	Matl., mass kg (wgt.,lbs.)	4.19 (9.2) / 4.62 (10.2), Copper-Brass
	Width	387 mm (15.24 in.)
	Height	500 mm (19.7 in.)
	Thickness	25 (1.0)
	Fins per inch	16.9
Radiator end tank material		Copper-Brass
Fan	Std., elec., opt.	Standard / A/C, Electric
	Number of blades & type (flex, solid, material)	5 / 6, Solid, Plastic
	Diameter & projected width	290 (11.4) / 373 (14.7)
	Ratio(fan to crnkshft.rev.)	Not Applicable
	Fan cutout type	ECM Controlled
	Drive type (direct, remote)	Direct - Electric Motor
	RPM at idle (elec.)	1800
	Motor rating(wattage)(elec)	100 / 150
	Motor switch (type & location/elec.)	Engine Block
	Switch point (temp./ pressure/elec.)	On At 106 Deg. C, Off At 100 Deg. C
	Fan shroud (material)	None / Plastic

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description
Engine Code

3.1 LITER V6 (191 CID)
MULTI-PORT FUEL INJECTION RPO LHO

Engine – Cooling System

Coolant recovery system (std, opt, n.a.)		Standard
Coolant fill location (rad., bottle)		Surge Tank
Radiator cap relief valve pressure kPa (psi)		89.6 - 103.4 (13-15)
Circulation thermostat	Type (choke, bypass)	Bypass
	Starts to open @ deg's C(F)	90 (195)
Water Pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	12
	Number of pumps	1
	Drive (V-belt, other)	Serpentine
	Bearing type	Ball-Roller
	Impeller material	Cast Iron
	Housing material	Aluminum
By-pass recirculation type (inter., ext.)		External, Bypass
Cooling system capacity	With heater - L (qt.)	13.7 (14.5)
	With air conditioner-L(qt.)	13.7 (14.5)
	Opt. equip. specify-L(qt.)	None
Water jackets full length of cyl(yes,no)		Yes, Outer Wall; No, Inner Wall
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes,no)		Yes
Radiator core	Std., A/C, HD	Manual / Automatic
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin & tube mechanical, braze, etc.)	Tube & Fin/Brazed
	Matl., mass kg (wgt.,lbs.)	Aluminum, 3.4 (7.5) Aluminum, 4.08 (9.0)
	Width	360 (14.2 in.)
	Height	600 mm (23.6 in.)
	Thickness	34 mm (1.3 in.)
	Fins per inch	14.5
Radiator end tank material		Plastic
Fan	Std., elec., opt.	Electric
	Number of blades & type (flex, solid, material)	7 (Solid) Plastic
	Diameter & projected width	373 (14.7)
	Ratio(fan to crnkshft.rev.)	Not Applicable
	Fan cutout type	ECM Controlled
	Drive type (direct, remote)	Direct - Electric Motor
	RPM at idle (elec.)	2200
	Motor rating(wattage)(elec)	150
	Motor switch (type & location/elec.)	None Engine Block
	Switch point (temp./ pressure/elec.)	On At 190, Off At 100 PSI A/C Pressure On At 106, Off At 100 Deg. C
	Fan shroud (material)	Plastic

* Mineral/Glass Filled Nylon.

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 2.2 LITER L4 (133 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LN2

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

Induction type: carburetor, fuel injection system, etc.		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.)	Entering Cylinder Head (Four)
	Constant, pulse, flow	Pulse
	Control (elec., mech.)	Electronic
	Sys. press. kPa (psi)	294 - 306 (43 - 44)
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	900 In Neutral
	Automatic	800 In Drive.
Intake manifold heat control (exhaust or water thermostatic or fixed)		None
Air cleaner type		Single Snorkel
Fuel filter (type/location)		Replaceable/Inline Rear Of Tank
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel Tank
	Press. range kPa (psi)	Not Applicable
	Flow rate at regulated pressure (L (gal)/hr @ kPa (psi))	62.4 (16.5) @ 350 (51)

Fuel Tank

Capacity refill L (gallons)		57.6 (15.2)
Location (describe)		Rear Center Underside, R.H. Rear Quarter Panel
Attachment		Underbody Strap
Material & Mass kg (weight lbs.)		Steel
Filler pipe	Location & material	Right Rear Quarter Panel - Steel
	Connection to tank	Hoses
Fuel line (material)		Steel, Nylon 12
Fuel hose (material)		Rubber
Return line (material)		Steel, Nylon 12
Vapor line (material)		Steel, Nylon 12
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	

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 3.1 LITER V6 (191 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LHO

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

Induction type: carburetor, fuel injection system, etc.		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
	Sys. press. kPa (psi)	300 (43.5), Regulated To Manifold Pressure
Idle spd.–rpm (spec. neutral or drive and propane if used)	Manual	Not Applicable
	Automatic	600 In Drive.
Intake manifold heat control (exhaust or water thermostatic or fixed)		None
Air cleaner type		Single Snorkel
Fuel filter (type/location)		ReplaceableEnclosed Paper Element Located Near Fuel Tank
Fuel pump	Type (elec. or mech.)	Electrical
	Location (eng., tank)	Fuel Tank
	Press. range kPa (psi)	250 to 300 kPa (36 to 44 psi)
	Flow rate at regulated pressure (L (gal)/hr @ kPa (psi))	62.4 (16.5) @ 350 (51), Pump Rating

Fuel Tank

Capacity refill L (gallons)		57.6 (15.2)
Location (describe)		Rear Center Underside, R.H. Rear Quarter Panel
Attachment		Underbody Strap
Material & Mass kg (weight lbs.)		Steel
Filler pipe	Location & material	Right Rear Quarter Panel - Steel
	Connection to tank	Hoses
Fuel line (material)		Steel, Nylon 12
Fuel hose (material)		Rubber
Return line (material)		Steel, Nylon 12
Vapor line (material)		Steel, Nylon 12
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	

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 2.2 LITER L4 (133 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LN2

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		CCC Control
	Air injection	Pump or pulse	Not
		Driven by	Applicable
		Air distribution (head, manifold, etc.,)	"
		Point of entry	"
	Exhaust Gas Recircu-lation	Type (controlled flow, open orifice, other)	Negative Back Pressure EGR Valve With Integral Transducer And Single Shaft Cross Hole
		Exhaust source Point of exh.inj. (spacer, carb., manifold, other)	#4 Cylinder At Cylinder Head Inlet Manifold
	Catalytic Converter	Type	3-Way Monolith
		Number of	1
		Location(s)	Mounted To Center Underbody
		Volume L (cu.in)	1.8 (110)
		Substrate type	Monolith
		Noble metal type	Platinum (Pt), Rhodium (Rh)
		Noble metal concentration (g/cu. cm.)	.000948
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
	Discharges to (intake manifold, other)		Intake Manifold
	Air init(breather cap,other)		Air Cleaner Outlet Duct
Evapora-tive Emission Control	Vapor vented to (crankcase, canister,other)	Fuel tank	Canister
		Carburetor	-
	Vapor storage provision		Canister
Electron-ic System	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs.)		1, Reverse Flow
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	--
	Main o.d., wall thickness	50.8 x 1.37 mm (2.0 x .054 in.)
	Matl. & Mass kg (wght.lbs.)	Stainless Steel
Inter-mediate pipe	o.d. & wall thickness	50.8 x 1.37 mm (2.0 x .054 in.)
	Matl. & Mass kg (wght.lbs.)	Stainless Steel
Tail pipe	o.d. & wall thickness	50.8 x 1.37 mm (2.0 x .054 in.)
	Matl. & Mass kg (wght.lbs.)	Stainless Steel

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 3.1 LITER V6 (191 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LHO

Vehicle Emission Control

			Manual Transmission	Automatic Transmission
Exhaust Emission Control	Type (air injection, engine modifications, other)		Not Applicable	Not Applicable
	Air injection	Pump or pulse	"	"
		Driven by	"	"
		Air distribution (head, manifold, etc.,)	"	
		Point of entry	"	
	Exhaust Gas Recircu-lation	Type (controlled flow, open orifice, other)	3 Sized Orifices Which Are Opened Or Closed Using, Pintles And Solenoids. 8 Flow Combination.	
		Exhaust source Point of exh.inj. (spacer, carb., manifold, other)	Plenum, Near Throttle Body	
	Catalytic Converter	Type	Bed Monolith (Dual)	
		Number of	1	
		Location(s)	Mounted To Underbody	
		Volume L (cu.in)	2.79 (170)	
		Substrate type	Ceramic Monolith	
		Noble metal type	Platinum (Pt), Rhodium (Rh)	
		Noble metal concentration (g/cu. cm.)		
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Closed Induction System	
	Energy source (manifold vacuum, carburetor, other)		Plenum Vacuum	
	Discharges to (intake manifold, other)		Discharges To Plenum	
	Air inlt(breather cap,other)		Duct Between Air Cleaner And Throttle Body	
Evapora-tive Emission Control	Vapor vented to (crankcase, canister,other)	Fuel tank	Fuel Tank To Canister To Throttle Body Port	
		Carburetor	Not Applicable	
	Vapor storage provision		Canister	
Electron-ic System	Closed loop (yes/no)		Yes	
	Open loop (yes/no)		No	

Engine – Exhaust System

Type (single, single with cross-over, dual, other)			Tri-Flow, Single With Cross-Over Dual Tailpipes On (Z24)
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs.)			1, Reverse Flow
Resonator no. & type			None
Exhaust pipe	Branch o.d., wall thickness		--
	Main o.d., wall thickness		50.8 x 1.37 mm (2.0 x .054 in.)
	Matl. & Mass kg (wght.lbs.)		Stainless Steel
Inter-mediate pipe	o.d. & wall thickness		50.8 x 1.37 mm (2.0 x .054 in.)
	Matl. & Mass kg (wght.lbs.)		Stainless Steel
Tail pipe	o.d. & wall thickness		50.8 x 1.37 mm (2.0 x .054 in.)
	Matl. & Mass kg (wght.lbs.)		Stainless Steel

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	2.2 LITER L4 (133 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LN2

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

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	Standard Isuzu /Japan (MK7)
Manual 6-speed (manufacturer/country)	Not Applicable
Automatic (manufacturer/country)	Optional, General Motors Powertrain / U.S.A.
Auto. overdrive (manufacturer/country)	Not Applicable

Manual Transmission/Transaxle

Number of forward speeds		5
o Gear ratios	1st	3.91
	2nd	2.15
	3rd	1.45
	4th	1.03
	5th	0.74
	6th	
	Reverse	3.58
Synchronous meshing (specify gears)		1-5
Shift lever location		Floor
Trans. case mat'l. & mass kg (lbs)*		Aluminum 36.5
Lubricant	Capacity L (pt.)	1.9 (4.0)
	Type recommended	Synchromesh Transmission Fluid (STF)

Clutch (Manual Transmission)

Clutch manufacturer		Daikin
Clutch type (dry, wet; single, multiple disc)		Dry Disc, Single
Linkage (hyd., cable, rod, lever,other)		Hydraulic
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	133.4 (30.0)
	Released	115.6 (26.0)
Assist (spring, power/percent, nominal)		None
Type pressure plate springs		Diaphragm
Total spring load (nominal) N (lbs.)		5688 (1279)
Clutch facing	Facing mfgr. & matl. coding	Valeo F202
	Facing matl. & construction	F202
	Rivets per facing	16
	Outside x inside dia. (nom.)	215.0 x 150.0 (8.46 x 5.91)
	Total eff.area sq cm(sq in)	186.3 (28.88)
	Thickness (pressure plate side/fly wheel side)	3.5 (.14) Pressure Plate Side, 3.2 (.13) Flywheel Side
	Rivet depth (pressure plate side/fly wheel side)	1.3 (0.05) / 1.2 (0.05)
	Engagement cushion method	Driven Plate, Wave Spoke Springs
Release bearing type & method lub.		Self Centering, Angular Contact Ball Bearing - Prepacked & Sealed
Torsional damping method, springs, hysteresis		Coil Springs With Non-Metal Friction Control

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

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	3.1 LITER V6 (191 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LHO

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

Manual 4-speed (manufacturer/country)	
Manual 5-speed (manufacturer/country)	Base, N. Venture/U.S.A. (MG2)
Manual 6-speed (manufacturer/country)	
Automatic (manufacturer/country)	Optional, Hydra-Matic/U.S.A. (MD9)
Auto. overdrive (manufacturer/country)	--

Manual Transmission/Transaxle

Number of forward speeds		5
Gear ratios	1st	3.50
	2nd	2.05
	3rd	1.38
	4th	0.94
	5th	0.72
	6th	
	Reverse	3.41
Synchronous meshing (specify gears)		1, 2, 3, 4 and 5
Shift lever location		Floor Mount
Trans. case mat'l. & mass kg (lbs)*		Aluminum 41.0 (90.2)
Lubricant	Capacity L (pt.)	1.9 (4.01)
	Type recommended	Synchromesh Transmission Fluid (STF)

Clutch (Manual Transmission)

Clutch manufacturer		LUK
Clutch type (dry, wet; single, multiple disc)		Dry Single Disc
Linkage (hyd., cable, rod, lever, other)		Hydraulic
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	133.4 (30.0)
	Released	133.4 (30.0)
Assist (spring, power/percent, nominal)		Not Applicable
Type pressure plate springs		Diaphragm
Total spring load (nominal) N (lbs.)		6540 (1470)
Clutch facing	Facing mfgr. & matl. coding	LUK
	Facing matl. & construction	Non-Asbestos
	Rivets per facing	32
	Outside x inside dia. (nom.)	232 x 156mm (9 12 x 6.12 in.)
	Total eff.area sq cm (sq in)	232 (35.90)
	Thickness (pressure plate side/fly wheel side)	7.50 - 8.00mm (295 - 315 in.)
	Rivet depth (pressure plate side/fly wheel side)	1.4mm (0.06 in) ' 1 4mm (0.06 in.)
	Engagement cushion method	Cushion Springs
Release bearing type & method lub.		Self Centering Angular Contact Ball Bearing Pre-Packed & Sealed
Torsional damping method, springs, hysteresis		Coil Springs With Non-Metal Friction Control

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

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	2.2 LITER L4 (133 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LN2

Automatic Transmission/Transaxle

Trade Name		3T40 Transaxle Assembly
Type and special features (describe)		3-Speed Automatic, Fully Automatic Shifted Planetary Gear W/Torque Converter And Lock-Up Clutch
Gear selector	Location (column, floor, other)	Column & Floor
	Ltr./No. designation (e.g. PRND21)	P-R-N-D-2-1
	Shift interlock (yes, no, describe)	Yes
Gear ratios	1st	2.84
	2nd	1.60
	3rd	1.00 (Converter Clutch Engagement)
	4th	--
	5th	--
	6th	--
	Reverse	2.07
Max. upshift speed – drive range km/h (mph)		2-3 = 140 (87)
Max. kickdown speed – drive range km/h (mph)		3-2 = 134 (83)
Min. overdrive speed km/h (mph)		--
Torque converter	Number of elements	3
	Max. ratio at stall	2.48
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 (9.8)
	Capacity factor "K"*	203
Lubricant	Capacity refill L (pt.)	8.5 (17.85) Dry Transmission, Original Filling
	Type recommended	Dexron II
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard, Integral Part Of Radiator
Trans. mass kg (lbs) & case matl.**		65.7 (144.54) Dry Weight

All Wheel / 4 Wheel Drive (NOT APPLICABLE)

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 CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 3.1 LITER V6 (191 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LHO

Automatic Transmission/Transaxle

Trade Name		3T40 Transaxle Assembly	
Type and special features (describe)		3-Speed Automatic, Fully Automatic Shifted Planetary Gear W/Torque Converter And Lock-Up Clutch	
Gear selector	Location (column, floor, other)	Column & Floor	
	Ltr./No. designation (e.g. PRND21)	P-R-N-D-2-1	
	Shift interlock (yes, no, describe)	No	
Gear ratios	1st	2.84	
	2nd	1.60	
	3rd	1.00 (Converter Clutch Engagement)	
	4th	--	
	5th	--	
	6th	--	
	Reverse	2.07	
Max. upshift speed - drive range km/h (mph)		2-3 = 130 (81) 2.84 Ratio	145 (90) 2.53 Ratio
Max. kickdown speed - drive range km/h (mph)		3-2 = 126 (78)	138 (86)
Min. overdrive speed km/h (mph)		--	
Torque converter	Number of elements	3	
	Max. ratio at stall	2.35	
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	245 (9.8)	
	Capacity factor "K"*	177	
Lubricant	Capacity refill L (pt.)	8.5 (17.85) Dry Transmission, Original Filling	
	Type recommended	Dexron II	
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard, Integral Part Of Radiator	
Trans. mass kg (lbs) & case matl.**		65.7 (144.54) Dry Weight	

All Wheel / 4 Wheel Drive (NOT APPLICABLE)

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 CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 2.2 LITER L4 (133 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LN2

Axle Ratio and Tooth Combinations

(See 'Power Teams' for axle ratio usage)

Effective final drive ratio (or overall top gear ratio)			MK7 3.45 (2.55) MD9 2.84
Trnsfr ratio and method(chain,gear,etc)			1.00 Chain
Front drive unit	Ring gear o.d.		Not Applicable
	No. of teeth	Pinion	"
		Ring gear	"

Front Drive Unit

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

Axle Shafts - Front Wheel Drive

Manufacturer and number used			Saginaw Division, 2
Type (straight, solid bar, tubular, etc.)		Left	Straight - Solid
		Right	Straight - Solid
Outer diam. x length* x wall thickness	Manual transaxle	Left	23.8 x 320.0
		Right	23.8 x 663.0
	Automatic transaxle	Left	23.8 x 311.0
		Right	23.8 x 364.3
	Optional transaxle	Left	
		Right	
Slip yoke	Type		
	Number of teeth		
	Spline o.d.		
Universal joints	Make and mfg. no.	Inner	Saginaw Division
		Outer	Saginaw Division
	Number used		Inboard & Outboard On Each Axle Shaft
	Type, size, plunge	Inner	Tripot - 61.0 Stroke
		Outer	Rzeppa - Fixed Center
	Attach (u-bolt, clamp, etc.)		Retaining Ring
	Bearing: Type (plain, anti-friction)		Inner - Ball & Roller Outer - Ball
	Bearing: Lubrication (fitting, prepack)		Prepacked
Drive taken through (torque tube, arms or springs)			Wishbone Lower Control Arm, Upper MacPherson Strut
Torque taken through (torque tube, arms or springs)			Engine Mounting System

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

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 3.1 LITER V6 (191 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LHO

Axle Ratio and Tooth Combinations

(See 'Power Teams' for axle ratio usage)

Effective final drive ratio (or overall top gear ratio)			MG2 3.61 (2.60) MD9 2.53 MD9 2.84
Trnsfr ratio and method(chain,gear,etc)			
Front drive unit	Ring gear o.d.		Not Applicable
	No. of teeth	Pinion	"
		Ring gear	"

Front Drive Unit

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

Axle Shafts - Front Wheel Drive

Manufacturer and number used			Saginaw Division, 2
Type (straight, solid bar, tubular, etc.)		Left	Straight - Solid
		Right	Straight - Solid
Outer diam. x length* x wall thickness	Manual transaxle	Left	27.1 x 308.0
		Right	27.1 x 315.5
	Automatic transaxle	Left	23.8 x 304.6
		Right	23.8 x 364.3
	Optional transaxle	Left	
		Right	
Slip yoke	Type		
	Number of teeth		
	Spline o.d.		
Universal joints	Make and mfg. no.	Inner	Saginaw Division
		Outer	Saginaw Division
	Number used		Inboard & Outboard On Each Axle Shaft
	Type, size, plunge	Inner	Cross Groove - 61.2 Stroke (Manual) Free Motion - 61.5 Stroke (Auto)
		Outer	Rzeppa - Fixed Center
	Attach (u-bolt, clamp, etc.)		Retaining Ring
	Bearing: Type (plain, anti-friction)		Inner - Ball (Manual) Ball & Roller (Auto) Outer - Ball
	Bearing: Lubrication (fitting, prepack)		Prepacked
Drive taken through (torque tube, arms or springs)			Wishbone Lower Control Arm, Upper McPherson Strut
Torque taken through (torque tube, arms or springs)			Engine Mounting System

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

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*) _____

Model Code/Description And/Or Engine Code/Description: BASE

Suspension – General Including Electronic Controls

Car leveling	Std./opt./not avail.		--
	Manual/automatic control		--
	Type (air/hydraulic)		--
	Primary/assist spring		--
	Rear only/4 wheel leveling		--
	Single/dual rate spring		--
	Single/dual ride heights		--
	Provision for jacking		Body Jack & Pads On Rocker
Shock absorber damping controls	Standard/option/not avail.		--
	Manual/automatic control		--
	Number of damping rates		--
	Type of actuation (manual/ electric motor/air, etc.)		--
	sensors	Lateral acceleration	--
		Deceleration	--
		Acceleration	--
		Road surface	--
Shock absorber (front & rear)	Type		Front - MacPherson Strut; Rear - Double Acting Hydraulic
	Make		Delco Products
	Piston diameter		Front: 32 (1.26) Rear: 25 (.98)
	Rod diameter		Front: 22 (.87) Rear: 13 (.51)

Suspension – Front

Type and description			MacPherson Strut With Coil Spring
Travel	Full jounce (define load condition)		82 (3.23) (From Design)
	Full rebound		87 (3.43) (From Design)
O Spring	Type,(coil,leaf,other&matl)		Coil, Steel
	Insulators (type & matl)		Top & Bottom - Rubber
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		Spring Computer Selected - Varies With Option Content
	Spring rate N/mm(lb./in.)		20
	Rate @ wheel N/mm(lb./in)		17.5
O Stabilizer	Type (link,lnkless,frmless)		Link
	Material & O.D. bar/tube, wall thickness		Steel 30 (1.18)

Suspension – Rear

Type and description			Trailing Stamped Control Arms With Twist Beam
Travel	Full jounce (define load condition)		86.6 (3.41) (From Design)
	Full rebound		112.7 (4.44) (From Design)
O Spring	Type(coil,leaf,other&matl)		Coil, Steel
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter		Spring Computer Selected - Varies With Option Content
	Spring rate N/mm (lb/in)		23, Variable
	Rate @ wheel N/mm (lb/in)		11.1, Variable
	Insulators(type & material)		Top & Bottom - Rubber
	If leaf	No. of leaves	--
		Shackle(comp or tens)	--
O Stabilizer	Type(link,lnkless,frmless)		--
	Material & O.D. bar/tube, wall thickness		--
Track bar (type)			--

* Define load condition:

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAVALIER

Model Year 1992 Issued 9-91 Revised(*)

Model Code/Description And/Or
Engine Code/Description ALL

Brakes – Service

Description				Power Assisted Hydraulic Brakes
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)			Standard - Disc
	Rear (disc or drum)			Standard - Drum
Valving type(prop,delay,metering,other)				Proportioning, Diagonal Split Circuit
Power brake (std., opt., n.a.)				Standard
Booster type(rmt,intgrl,vac.,hyd.,etc.)				Tandem Vacuum
Vacuum	Source (inline, pump, etc.)			Inline
	Reservoir (volume cu. in.)			None
	Pump-type			Not Applicable
Traction Control	Operational speed range			Not Applicable
	Type (engine or brake intervention)			
Anti-lock device	Front/rear (std., opt., n.a)			Standard
	Manufacturer			Delco Moraine NDH
	Type (electronic, mech.)			Electronic
	Number sensors or circuits			4
	No. anti-lock hyd. circuits			3
	Integral or add-on system			Add-On
	Yaw control (yes, no)			Yes
	Hydraulic power source			No
Effective area sq. cm. (sq. in.) *				204 (31.7) Front 614 (95.2) Rear
Gross Lng area sq cm (sq in) ** (F/R)				204 (31.7) Front 650 (100.8) Rear
Swept area sq cm (sq in) *** (F/R)				1175 (182.2) Front 556 (86.2) Rear
Rotor	Outer working diameter		F/R	Front - 259.5(10.2)
	Inner working diameter		F/R	
	Thickness		F/R	Front - 20 (.79)
	Matl & type (vented/sld)		F/R	Front - Vented Cast Iron
Drum	Diameter & width		F/R	Rear - 200 x 45 mm (7.87 x 1.77 in.)
	Type and material		F/R	Cast Iron
Wheel cylinder bore				Front - 57 mm (2.24 in.) Rear - 17.5 (.69)
Master cylinder	Bore/stroke		F/R	Bore - 22.2 mm (.874 in.) Stroke 35.7 mm (1.41 in.)
Pedal arc ratio				3.35:1
Line pressure at 445 N (100 lb.) pedal load kPa (psi)				(1,600) Max
Lining clearance			F/R	Both - Self Adjusting
Brake lining	Front wheel	Bonded or riveted		Integrally Molded - Inboard And Outboard
		Rivet size		Not Applicable
		Manufacturer		Delco Moraine NDH
		Lining code *****		128 FE
		Material		Semi-Metallic
		****	Pri.or out-brd	124 x 46 x 8.6 (4 88 x 1.81 x .34)
		Size	Sec. or in-brd	124 x 46 x 9.7 (4 88 x 1.81 x .38)
		Shoe thcknss.(no lng)		4.85 (.19)
	Rear wheel	Bonded or riveted		Riveted
		Manufacturer		Delco Products Division
		Lining code *****		235 FE
		Material		Organic
		****	Pri. or out-brd	167.7 x 43.9 x 6 mm (6.602 x 1.728 x .236 in.)
		Size	Sec. or in-brd	194 x 43.9 x 7 mm (7 638 x 1.728 x .28 in.)
		Shoe thcknss (no lng)		2.75 mm (.11 in)

* Excludes rivet holes, grooves, chamfers, etc. **Includes rivet holes, grooves, chamfers, etc.
*** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact 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 CAVALIER
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description: ALL

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P185/75R14
	Type (bias, radial, etc.)		Steel Belted Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	240 (35)
		Rear kPa (psi)	240 (35)
	Rev/mile–at 70 km/h(45mph)		519
Wheels	Type & material		Stamped/Styled Steel
	Rim (size & flange type)		14 x 6 J
	Wheel offset		47.0 (1.9)
	Attachment	Type(bolt,stud)	Stud
		Circle diameter	100.0 mm (3.94 in.)
		Number & size	5–12 mm
Spare	Tire and wheel		T115/70D14 Wheel Diameter 14 x 4, Inflation 420 (60 PSI)
	Storage position & location (describe)		Under Deck Of Luggage Compartment

Tires And Wheels (Optional)

Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	Aluminum
Rim (size, flange type and offset)	15 x 6 J
Tire size (load range, ply)	P205/60R15
Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (load range, ply)	P195/70R14
Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial
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		Grip Handle
Location of control		Between Front Seats
Operates on		Rear Service Brakes
If separate from service brakes	Type(internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description: BASE

Steering

Manual (std., opt., n.a.)					Not Applicable
Power (std., opt., n.a.)					Standard
O Speed-sensitive (std., opt., n.a.)					
O 4-wheel steering (std., opt., n.a.)					
Adjustable steering wheel/ column (tilt, telescope, other)		Type			Tilt
		Manufacturer			Saginaw Division
		(std., opt., n.a.)			Optional
Wheel diameter ** (W9) SAE J1100		Manual			NONE
		Power			364 (14.3)
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)			11.3 (37.2)
		Curb to curb (l. & r.)			10.5 (34.3)
	Inside rear	Wall to wall (l. & r.)			5.8 (19.2)
		Curb to curb (l. & r.)			7.5 (24.6)
Scrub Radius *					-1.69 (14" Tires)
Manual	Gear	Type			Not Applicable
		Manufacturer			
		Ratios	Gear		
			Overall		
	No. wheel turns (stop to stop)				
Power	Type (coaxial, elec. hyd., etc.)				Rack & Pinion W/Integral Unit
	Manufacturer				Saginaw Division
	Gear	Type			Rack & Pinion
		Ratios	Gear		--
			Overall		16.12:1
	Pump (drive)				Belt Off Crankshaft Pulley
	No. wheel turns (stop to stop)				2.88
Linkage	Type				Center Take-Off Tie Rods, Rack & Pinion
	Location (front or rear of wheels, other)				Rear
	Tie Rods (one or two)				2
Steering axis	Inclination at camber (deg.)				13.5
	Bearings (type)	Upper			Ball Bearings
		Lower			Ball Joint
		Thrust			Incorporated In Upper Bearing

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

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

Model Code/Description And/Or Engine Code/Description BASE

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	Not Adjustable
		Camber (deg.)	0 (+/-) .7 Cross Car Must Be Within 1.0
		Toe-in outside track - mm (in.)	0 (+/-) .2 Sum Toe
	Service reset*	Caster (deg.)	Not Adjustable
		Camber (deg.)	0 (+/-) .7 Cross Car Must Be Within 1.0
		Toe-in - mm(in.)	-.1 to + .1 (Degrees Per Wheel)
	Periodic M.V. inspection	Caster (deg.)	Not Applicable
		Camber (deg.)	"
		Toe-in - mm(in.)	"
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	"
		Toe-in outside track - mm (in.)	"
	Service reset*	Camber (deg.)	"
		Toe-in - mm(in.)	"
	Periodic M.V. inspection	Camber (deg.)	"
		Toe-in - mm(in.)	"

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

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	Analog Electric	
	Trip odometer (std., opt., n.a.)	Gage Only	
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	Tell-Tale Warning Lamp	Gauge
	Warning device (light, audible)	Lamp	None
Temperature indicator	Type	Tell-Tale Warning Lamp-Check Gage	Gauge
	Warning device	Lamp	None
Oil pressure indicator	Type	Tell-Tale Warning Lamp	Gauge
	Warning device	Lamp	None
Fuel indicator	Type	Gauge	Gauge
	Warning device	Lamp	None
Windshield wiper	Type (standard)	Electric 2-Speed	
	Type (optional)	Pulse Wiper	
	Blade length	432 (17)	
	Swept area sq cm (sq in)	5181 (803) Cpe/5230 (811)Sed & Wag	
Windshield washer	Type (standard)	Elec. Pump Mtd On Reservoir Bottle	
	Type (optional)	None	
	Fluid level indicator	None	
Rear window wiper, wiper/washer (std., opt., n.a.)		Not Available	
Horn	Type	Electric Vibrating	
	Number used	1	
Other		Indicator Lamps For Parking Brake And Brake Failure, Fasten Belt, Upshift, Check Engine, Low Coolant, High Beam, Left And Right Turn And Gate Ajar	

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Code/Description

2.2 LITER L4 (133 CID)
MULTI-PORT FUEL INJECTION RPO LN2

Electrical – Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	Standard
	Voltage	12
	Amps at 0 deg F cold crnk	525
	Minutes-reserve capacity	90
	Amps/hrs. - 20 hr. rate	54
	Location	Under Hood Front
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	30/80
	Ratio (alt. crank/rev.)	2.44:1
	Output at idle (rpm, park)	52 Amps @ 27 deg. C. (81 deg. F.) 875 RPM
	Optional (type & rating)	None
Regulator	Type	Integral To Alternator

Electrical – Starting System

Motor	Manufacturer	Delco Remy
	Current drain -20 deg C (F)	363 Amps
	Power rating kw (hp)	1.4 (1.9)
Motor drive	Engagement type	Solenoid Operated Shift Lever
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Electronic (std, opt,n.a.)		Electronic - Direct Ignition
	Other (specify)		Composite Unit Consists Of Two Coils & Electronic Control Module
Coil	Manufacturer		Delco Remy
	Model		1103870
	Current	Engine stopped-A	Less Than 100 ma
		Engine idling - A	Less Than 1.5 Amp (Average)
Spark plug	Manufacturer		AC Spark Plug
	Model		R44LTSMA
	Thread (mm)		14 mm (.551 in.)
	Tightening torque Newton meters (lb. ft.		10-20 (7-15)
	Gap		1.14 (0.045)
	Number per cylinder		1
Distributor	Manufacturer		Not
	Model		Applicable

Electrical – Suppression

Locations & type	Not Available

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Code/Description

3.1 LITER V6 (191 CID) MULTI-PORT FUEL INJECTION RPO LHO

Electrical – Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	Standard
	Voltage	12
	Amps at 0 deg F cold crnk	525
	Minutes-reserve capacity	90
	Amps/hrs. – 20 hr. rate	54
	Location	Underhood Front
Alternator	Manufacturer	Delco Remy
	Rating(idle/max rpm dr.)	36/100
	Ratio (alt. crank/rev.)	2.65:1
	Output at idle (rpm, park)	66 Amps @ 27 Deg. C. 850 RPM
	Optional (type & rating)	None
Regulator	Type	Integral To Alternator

Electrical – Starting System

Motor	Manufacturer	Delco Remy
	Curr.dr. -29 (-20) deg C(F)	323 Amps
	Power rating kw (hp)	1.4
Motor drive	Engagement type	Solenoid Operated Shift Lever
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Electronic (std, opt,n.a.)		Electronic - Direct ignition
	Other (specify)		Composite Unit Consists Of Three Coils & Electronic Control Module
Coil	Manufacturer		Delco Remy
	Model		1103759
	Current	Engine stopped-A	Less Than 100 ma
		Engine idling - A	Less Than 1.5 Amp (Average)
Spark plug	Manufacturer		AC/Rochester Products
	Model		R44LTSM
	Thread (mm)		14 x 1.25
	Tightening torque Newton meters (lb. ft.)		9-20 (7-15)
	Gap		1.14mm (.045 in.)
	Number per cylinder		1
Distributor	Manufacturer		Not
	Model		Applicable

Electrical – Suppression

Locations & type	Not Available

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Model Code/Description	ALL

Body

Structure	Unitized Body Construction Including Front End Structure With Bolted-On Fenders And Hood.
Bumper system Front - Rear	Bumper Fascias Are Attached To Steel Impact Bar And Plastic Honeycomb Energy Absorber For Collision Energy Absorption. (Meets G>M> 5 MPH Impact Standard.)
Anti-Corrosion Treatment	Special Anti-corrosion Materials Are Used On Interior And Exterior Metal Panel Surfaces. Materials Include One And Two-Sided Galvanized Steel, Special Metal Conditioners, Primers, Protective Waxes And Sealers. Chip Resistant Primer Or Protective Moldings Are Applied To Exterior Lower Body.

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)			High Or Low Solids Base Coat/Clear Coat Enamel
Hood	Material & mass		Steel Z-24 / SMC
	Hinge location (front, rear)		Rear
	Type (counterbalance, prop)		Prop Rod - Single Pivot Hinge
	Release control (int., ext.)		Internal
Trunk lid	Material & mass		Steel/Sedan 10.5 (23.1) Coupe 17.1 (37.6)
	Type (counterbalance, other)		Torque Rods On Coupe And Sedan
	Internal release control (elec., mech., n.a.)		Mechanical (Optional)
Hatch-back lid	Material & mass		
	Type (counterbalance, other)		
	Internal release control elec., mech., n.a.)		
Tailgate	Material & mass		Steel/10.66 kg (23.5 lbs.)
	Type (drop, lift, door)		Gas Rods
	Internal release control (elec., mech., n.a.)		Electrical Solenoid (Opt.)
Vent window control (crank, friction, pivot, power)		Front	Not Applicable
		Rear	"
Window regulator type (cable, tape, flex drive, etc.)		Front	"
		Rear	"
Seat cushion type (e.g., 60/40, bucket, bench wire, foam, etc.)		Front	Foam
		Rear	Foam
		3rd seat	Not Applicable
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)		Front	Foam
		Rear	Foam
		3rd seat	Not Applicable

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized Frame

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Model Code/Description BASE

Restraint System

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

Glass	SAE Ref No	37	69
Windshield glass exposed surface area sq. cm. (sq. in.)	S1	7487 (1161)	7487 (1161)
Side glass exposed surface area sq. cm. (sq. in.) - total 2- sides	S2	9050 (1403)	10678 (1655)
Backlight glass exposed surface area sq. cm. (sq. in.)	S3	5154 (799)	5691 (882)
Total glass exposed surface area sq. cm. (sq. in.)	S4	21691 (3363)	23856 (3698)
Windshield glass (type)		Curved - Laminated Float	
Side glass (type)		Curved - Tempered Float	
Backlight glass (type)		Curved - Tempered Float	

Headlamps

Description - sealed beam, halogen, replaceable bulb, etc.	Replaceable Bulb - 2 Lamps - 1 Bulbs Each
Shape	Rectangular
Lo-beam type (2A1, 2B1, 2C1, etc.)	HB1
Quantity	2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	HB1
Quantity	2

MVMA Specifications

Vehicle Line CAVALIER

Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Model Code/Description BASE

Restraint System

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

Glass

	SAE Ref No	35	67
Windshield glass exposed surface area sq. c. (sq. in.)	S1	7487 (1161)	
Side glass exposed surface area sq. cm. (sq. in.) - total 2- sides	S2	16036 (2486)	
Backlight glass exposed surface area sq. cm. (sq. in.)	S3	5399 (837)	
Total glass exposed surface area sq. cm. (sq. in.)	S4	28922 (4484)	
Windshield glass (type)		Curved - Laminated Float	
Side glass (type)		Curved - Tempered Float	
Backlight glass (type)		Curved - Laminated Float	

Headlamps

See Page 18

Description - sealed beam, halogen, replaceable bulb, etc.	
Shape	
Lo-beam type (2A1, 2B1, 2C1, etc.)	
Quantity	
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	
Quantity	

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised

METRIC (U.S. Customary)

Engine Code/Description BASE

o Climate Control System

Air conditioning (std., opt., man., auto.)		Optional
Condenser	Type	Tube & Fin
	Eff. face area (sq. mm.)	249,860 222,930 LH0
	Fins per inch	17
Evaporator	Type	3-5-5 Parrallel Rib S Flow
	Eff. face area (sq. mm.)	45,050
	Fins per inch	14
Heater Core	Material	Aluminum
	Eff. face area (sq. mm.)	29,210
	Fins per inch	38
Compressor	Type	Five Cylinder - Variable Displacement
	Displacement (cc)	136 147
	Manufacturer	Harrison Division
	A/C pulley ratio	125.22 119.91
Accumulator	Type	Standard Full-Size, Single "O" Ring, R-12 Desiccant
	Height (mm.)	231
	Diameter (mm.)	93.5 (Top Shell) 88.8 (Bottom Shell)
Receiver	Type	None
	Height (mm.)	
	Diameter (mm.)	77
Refrigerant control (CCOT, TVS, etc.)		VDOT
Heater water valve (yes / no)		No
Refrigerant (R - 12, R - 134a, etc.)		R12
Charge level (lbs. - oz.)		2.25
Cold engine lockout switch (yes / no)		No
Wide open throttle cutout switch (yes / no)		Yes

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Model Code/Description BASE

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

Clock (digital, analog)		Part of Radio Package
Compass / thermometer		
Console (floor, overhead)		(DO6) Standard Floor
Defroster, elec. backlight		(C49) Optional
Electronic	Diagnostic monitor (integrated, individual)	
	Instrument cluster (list instruments)	(U2B) Standard JF Optional JC Oil, Temp, Trip Odom. & Tach. (UH7) Standard JC Temp.
	Keyless entry	
	Tripminder (avg. spd. fuel)	
	Voice alert (list items)	
	Other	
Fuel door lock (remote, key, electric)		
Lamps	Auto head on/off delay, dimming	
	Cornering	
	Courtesy (map, reading)	(C95) Optional
	Door lock, ignition	
	Engine compartment	
	Fog	
	Glove compartment	
	Trunk	
	Illuminated entry system (list lamps, activation)	
	Other	
Mirrors	Day / night (auto. man.)	
	L.H. (remote, pwr., heated)	(D33) Standard JC Rem. (D35) Standard JF Rem. Optional JC
	R.H.(convex, rmt, pwr, htd)	(D35) Standard JF &JC67 Direct Optional JC
	Visor vanity (RH/LH illum.)	(DD2) Optional
Navigation system (describe)		
Prkg. brake-auto release (warn. light)		

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Model Code/Description | Base

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

Power equipment	Deck lid(release, pull down)		(A59) Optional Manual Release
	Door locks (manual, auto., describe system)		(AU3 & AU4) Standard Automatic
	Seats	2 - 4 - 6 way, etc.	
		Reclining(R.H., L.H.)	(AR9) Standard
		Memory (R.H., L.H., preset, recline)	
		Support (lumbar, hip, thigh, etc.)	
		Heated (R.H., L.H., other)	
	Side windows		(A31) Optional Standard On Convertibles
	Vent windows		
	Rear windows		
Radio systems	Antenna (location, whip, w/shield, power)		(US6) Standard Fixed RH Front Fender
	Stan.	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	(UM7) AM/FM Stereo, Seek/Scan, Clock & ETR
	Opt.		(UM6) Optional AM/FM Stereo, Seek/Scan, Clock, ETR & Cassette (U1C) Optional JF & JC67 AM & FM Stereo, Seek/Scan, Clock & Compact Disc
	Speaker (number, location)		(U66) Standard 4 Dash & Rear Quarter
Roof: open air or fixed (flip-up, sliding, "T")			(AD3) Optional Hinged Coupe Only
Speed control device			(K34) Optional
Speed warn. dev. (light, buzzer, etc.)			
Tachometer (rpm)			(U2B) Standard JF Optional JC
Telephone system (describe)			
Theft deterrent system			

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 CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Vehicle Dimensions

See Key Sheets for definitions

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

Body Type		COUPE & ALL	SEDAN	WAGON
Width	**SAE Ref. No.**			
Tread (front)	W101	1419 (55.9)		
Tread (rear)	W102	1407 (55.4)		
Vehicle width	W103	1684 (66.3)		
Body width at Sg RP (front)	W117	1652 (65.0)		
Vehicle width (front doors open)	W120	3740 (147.2)	3247 (127.8)	
Vehicle width (rear doors open)	W121	Not Applicable	3258 (128.3)	
Tumble-home (deg.)	W122	22		--
Outside mirror width	W410	1954 (76.9)		
Length				
Wheelbase	L101	2573 (101.3)		
Vehicle length	L103	4630 (182.3)		4601 (181.1)
Overhang (front)	L104	1053 (41.5)		
Overhang (rear)	L105	1004 (39.5)		975 (38.4)
Upper structure length	L123	2513 (98.9)	2388 (94.0)	2949 (116.1)
Rear wheel C/L 'X' coordinate	L127	4356 (171.5)		
Height **				
Passenger distribution (front/rear)	PD1,2,3	2/0	**	
Trunk/cargo load		0	**	
Vehicle height	H101	1319 (51.9)	1359 (53.5)	1366 (53.8)
Cowl point to ground	H114	931 (36.7)		937 (36.9)
Deck point to ground	H138	960 (37.8)	941 (37.0)	--
Rocker panel-front to ground	H112	215 (8.5)	215 (8.5)	222 (8.7)
Rocker panel-rear to ground	H111	204 (8.0)		213 (8.4)
Windshield slope angle (deg.)	H122	59	55	
Backlight slope angle (deg.)	H121	67, Coupe; 63, Convt.	50	36
Ground Clearance **				
Front bumper to ground	H102	240 (9.4)		244 (9.6)
Rear bumper to ground	H104	260 (10.2)		238 (9.4)
Bumper to ground front at curb mass (wt.)	H103	254 (10.0)		257 (10.1)
Bumper to ground rear at curb mass (wt.)	H105	294 (11.6)		2[illegible] 9
Angle of approach (deg.)	H106	27		
Angle of departure (deg.)	H107	19		21
Ramp breakover angle (deg.)	H147	14		13
Axle differential to ground (front/rear)	H153	--		
Min. running ground clearance	H156	140 (5.5)		145.5 *
Location of min. run. grd. clear.		Exhaust System /		

** 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 CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for Definitions

Body Type		COUPE	CONVERTIBLE
Front Compartment	**SAE Ref. No.**		
SgRP front, 'X' coordinate	L31	3123 (123.0)	
Effective head room	H61	960 (37.8)	984 (38.7)
Max. eff. leg room (accelerator)	L34	1083 (42.6)	
SgRP to heel point	H30	235 (9.3)	
SgRP to heel point	L53	888 (35.0)	
Back angle (deg.)	L40	25	
Hip angle (deg.)	L42	99	
Knee angle (deg.)	L44	131	
Foot angle (deg.)	L46	87	
Design H-point front travel	L17	208 (8.2)	
Normal driving & riding seat track trvl.	L23	188 (7.4)	
Shoulder room	W3	1340 (52.8)	1334 (15.5)
Hip room	W5	1213 (47.8)	1215 (47.8)
*** Upper body opening to ground	H50	1195 (47.0)	1218 (48.0)
Steering wheel maximum diameter*	W9	364 (14.3)	
Steering wheel angle (deg.)	H18	19	
Accel. heel pt. to steer. whl. cntr	L11	Not Available	
Accel. heel pt. to steer. whl. cntr	H17	Not Available	
Undepressed floor covering thickness	H67	12 (.5)	

Front Compartment Int. Dim. Are Measured With The Seating Ref. Pt. (SgRP) 21 mm (1 Seat Adjuster Notch) Forward of Rearmost Seat Position.

Rear Compartment			
SgRP point couple distance	L50	710 (28.0)	
Effective head room	H63	917 (36.1)	947 (37.3)
Min. effective leg room	L51	792 (31.2)	
SgRP (second to heel)	H31	264 (10.4)	
Knee clearance	L48	-47 (-1.9)	
Shoulder room	W4	1343 (52.9)	970 (38.2)
Hip room	W6	1255 (49.4)	970 (38.2)
*** Upper body opening to ground	H51	Not Applicable	
Back angle (deg.)	L41	25	19
Hip angle (deg.)	L43	80	74
Knee angle (deg.)	L45	83	
Foot angle (deg.)	L47	116	
Depressed floor covering thickness	H73	9 (.4)	

Luggage Compartment			
Usable luggage capacity L (cu. ft.)	V1	374 (13.2)	303 (10.7)
*** Liftover height	H195	636 (25.0)	636 (25.0)

Interior Volumes (EPA Classification)

Vehicle class		Subcompact	Subcompact
Interior volume index (cu. ft.)**		96.9	86.5
Trunk / cargo index (cu. ft.)		13.2	10.7

* 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 CAVALIER
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for Definitions

Body Type		SEDAN	WAGON
Front Compartment	**SAE Ref. No.**		
SgRP front, 'X' coordinate	L31	3113 (122.6)	
Effective head room	H61	994 (39.1)	988 (38.9)
Max. eff. leg room (accelerator)	L34	1070 (42.1)	
SgRP to heel point	H30	236 (9.3)	
SgRP to heel point	L53	870 (34.3)	
Back angle (deg.)	L40	25	
Hip angle (deg.)	L42	97	
Knee angle (deg.)	L44	127	
Foot angle (deg.)	L46	87	
Design H-point front travel	L17	188 (7.4)	
Normal driving & riding seat track trvl.	L23	168 (6.6)	
Shoulder room	W3	1339 (52.7)	
Hip room	W5	1221 (48.0)	
*** Upper body opening to ground	H50	1234 (48.6)	1242 (48.9)
Steering wheel maximum diameter*	W9	364 (14.3)	
Steering wheel angle (deg.)	H18	19	
Accel. heel pt. to steer. whl. cntr	L11	Not Available	
Accel. heel pt. to steer. whl. cntr	H17	Not Available	
Undepressed floor covering thickness	H67	12 (.5)	
Rear Compartment		**Front Compartment Int. Dim. Are Measured With The Seating Ref. Pt. (SgRP) 21 mm (1 Seat Adjuster Notch) Forward of Rearmost Seat Position.**	
SgRP point couple distance	L50	758 (29.8)	741 (29.2)
Effective head room	H63	950 (37.4)	977 (38.5)
Min. effective leg room	L51	846 (33.3)	826 (32.5)
SgRP (second to heel)	H31	278 (10.9)	266 (10.5)
Knee clearance	L48	-8 (-.3)	-16 (-.6)
Shoulder room	W4	1338 (52.7)	
Hip room	W6	1240 (48.8)	1245 (49.0)
*** Upper body opening to ground	H51	1236 (48.7)	1245 (49.0)
Back angle (deg.)	L41	26	25
Hip angle (deg.)	L43	83	80
Knee angle (deg.)	L45	85	83
Foot angle (deg.)	L47	117	
Depressed floor covering thickness	H73	9 (.4)	

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	369 (13.0)	--
*** Liftover height	H195	812 (32.0)	528 (20.8)

Interior Volumes (EPA Classification)

Vehicle class		Compact	Small
Interior volume index (cu. ft.)**		101.2	122.5
Trunk / cargo index (cu. ft.)		13.0	34.4

* 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 CAVALIER
Model Year 1992 Issued 9-91 Revised

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for Definitions

Model Code/Description | STATION WAGON

Station Wagon / MPV** – Third Seat

SAE Ref. No. (NOT APPLICABLE)

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

Station Wagon / MPV** – Cargo Space

Cargo length (open front)	L200	Not Applicable
Cargo length (open second)	L201	Not Applicable
Cargo length (closed front)	L202	1692 (66.6)
Cargo length (closed second)	L203	995 (39.2)
Cargo length at belt (front)	L204	1580 (62.2)
Cargo length at belt (second)	L205	855 (33.7)
Cargo width (wheelhouse)	W201	946 (37.2)
Rear opening width at floor	W203	1226 (48.3)
Opening width at belt	W204	1207 (47.5)
Min. rear opening width above belt	W205	970 (38.2)
Cargo height	H201	852 (33.5)
Rear opening height	H202	763 (30.0)
* Tailgate to ground height	H250	Not Applicable
Front seat back to load floor height	H197	
Cargo volume index cu. m (cu. ft.)	V2	1.8 cu. m. (63.6 cu. ft.)
Hidden cargo vol. index cu. m (cu. ft.)	V4	
Cargo volume index-rear of 2-seat	V10	0.974 cu. m. (34.4 cu. ft.)
O Cargo volume index**	V8	
O Cargo width at floor**	W500	
O Maximum cargo height**	H505	

Hatchback – Cargo Space

(NOT APPLICABLE)

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

* EPA Loaded Vehicle Weight, Loading Conditions

** MPV - Multipurpose Vehicle

All Linear Dimensions Are In Millimeters (Inches).

MVMA Specifications

Vehicle Line CAVALIER
Model Year 1992 Issued _____ Revised(*) _____

METRIC (U.S. Customary)

Model Code/ Description ALL

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 Belt. Z - Fiducial Mark To Horizontal Zero Grid Line - Front, Measured Vertically From Zero Grid Line To Front Fiducial Mark Located On Top Of The Front Seat Adjuster Mounting Belt.
Rear	X - Fiducial Mark To Vertical Zero Grid Line - Rear, Measured Horizontally From The Zero Grid Line To Rear Fiducial Mark Located On The Rail (Compartment Pan - Longitudinal). Y - Fiducial Mark To Centerline Of Car - Rear, Width Measurement Made From Centerline Of Car To Fiducial Mark Located On The Rail (Compartment Pan - Longitudinal). Z - Fiducial Mark To Horizontal Zero Grid Line - Rear, Measured Vertically From The Zero Grid Line To Rear Fiducial Mark Located On The Rail (Compartment Pan - Longitudinal).

NOTE: Provide 3 of 4 Fiducial Mark Locations

		BASE-COUPE-CONVERTIBLE	SEDAN	STATION WAGON
Front	W21**	504 (19.8)		
	L54**	2746 (108.1)		
	H81**	246 (9.7)		
	H161**	287 (11.3)		296 (11.7)
***	H163**	265 (10.4)		272 (10.7)
Rear	W22**	440 (17.3)		
	L55**	4900 (192.9)	4951 (194 9)	4951 (194.9)
	H82**	362 (14.3)		
	H162**	407 (16.0)		425 (16.7)
***	H164**	373 (14.7)		384 (15.2)

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

** Reference - SAE Recommended Practice J1100 - Motor Vehicle Dimensions.

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

All Linear Dimensions Are In Millimeters (Inches).

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAVALIER

Model Year 1992 Issued _____ Revised(*) _____

Code	Model	VEHICLE MASS (weight) CURB MASS, kg. (lb.)* Front	Rear	Total	SHIPPING MASS kg (lb) ***	ETWC** Code	% PASS MASS DISTRIBUTION PASS IN FRONT Front	Rear	PASS IN REAR Front	Rear
	CAVALIER	735	451	1190						
1JC35	4-Door Station Wagon	(1628)	(995)	(2623)		P				
		718	423	1141						
1JC37	2-Door Notchback Coupe	(1583)	(932)	(2515)		P				
		722	424	1146						
1JC69	4-Door Notchback Sedan	(1592)	(934)	(2526)		P				
	CAVALIER Z24	781	442	1223						
1JF37	2-Door Notchback Coupe	(1721)	(975)	(2696)		Q				
		749	466	1215						
1JF67	2-Door Convertible	(1650)	(1028)	(2678		R				
	CAVALIER	808	476	1284						
1JC67	2-Door Convertible	(1782)	(1050)	(2832)		S				

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

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

33.8(74.5)

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAVALIER

Model Year 1992 Issued _____ Revised(*) _____

Code	Equipment	Optional Equipment Differential Mass (weight)* MASS, kg. (lb.) Front	Rear	Total	Remarks Restrictions, Requirements
A31	Power Windows	1.0 (2.2)	1.8 (4.0)	2.8 (6.2)	Coupe
A31	Power Windows	1.8 (4.0)	3.2 (7.0)	5.0 (11.0)	Sedan/Wagon
B37	Mats, Front & Rear	1.2 (2.7)	1.0 (2.7)	2.2 (5.3)	
C60	Air Conditioning	18.7 (41.2)	-1.8 (-4.0)	16.9 (37.3)	LN2
C60	Air Conditioning	24.6 (54.2)	-1.8 (-4.0)	22.8 (50.3)	LHO
K34	Cruise Control	1.8 (4.0)	.0 (.0)	1.8 (4.0)	
LHO	Engine Option	37.7 (83.1)	-3.9 (-8.6)	33.8 (74.5)	1JC35 & 67

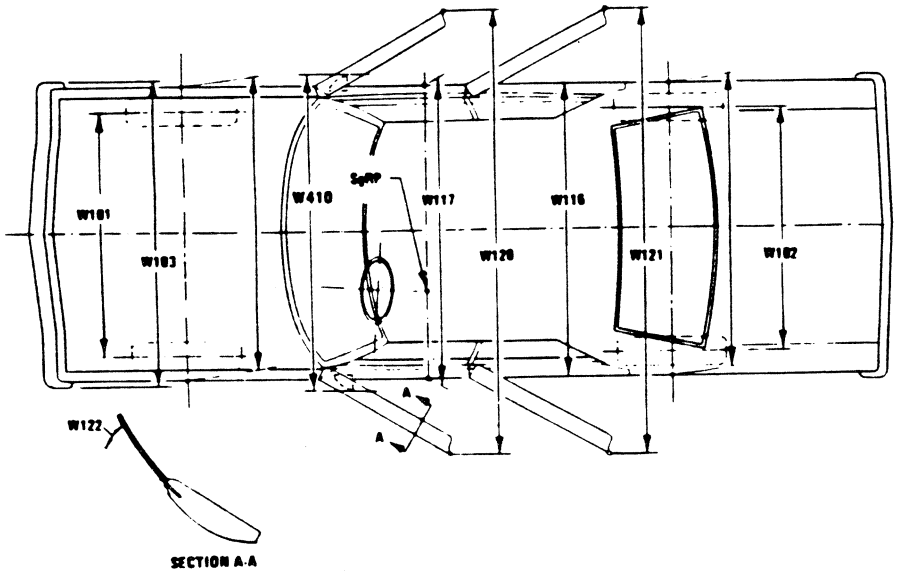
* Also see Engine - General Section for dressed engine mass (weight).

MVMA Specifications

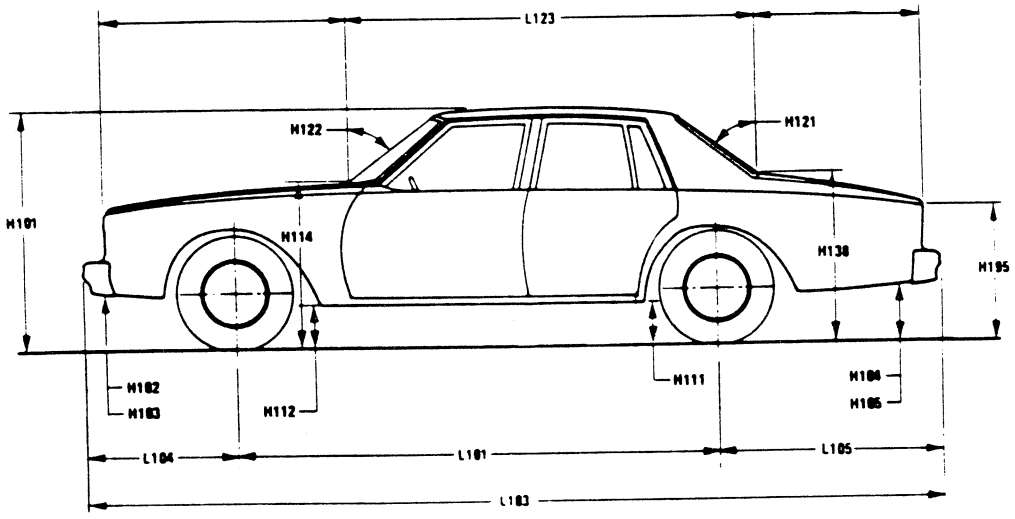
METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions – Key Sheet

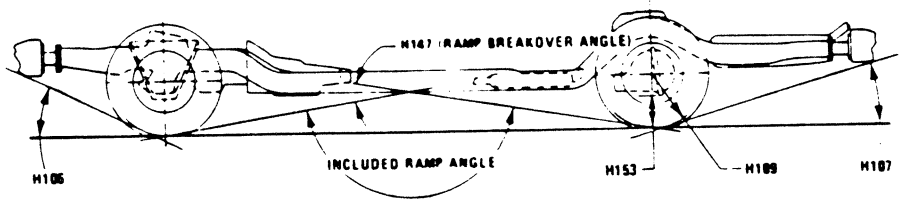
Exterior Width



Exterior Length & Height



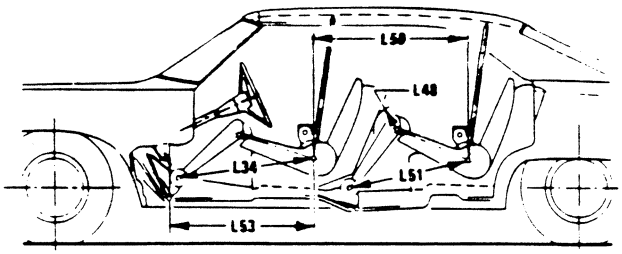
Exterior Ground Clearance

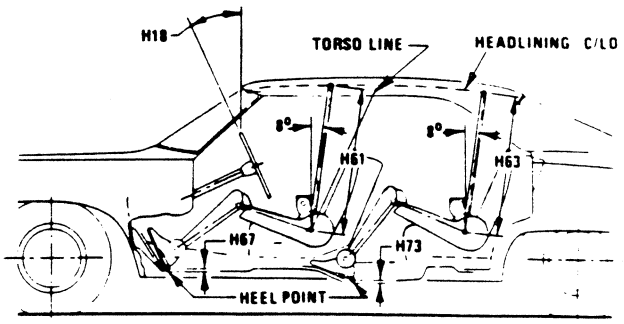


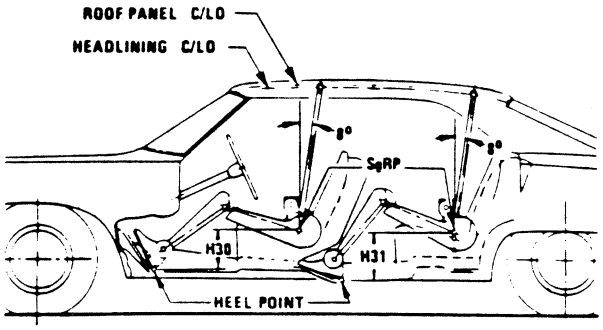
MVMA Specifications Form

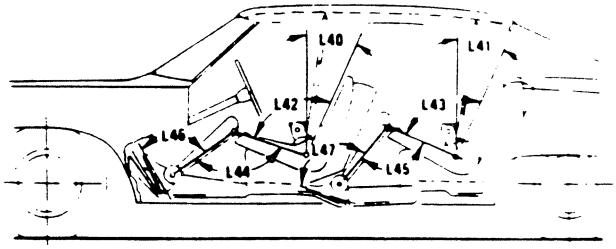
METRIC (U.S. Customary)

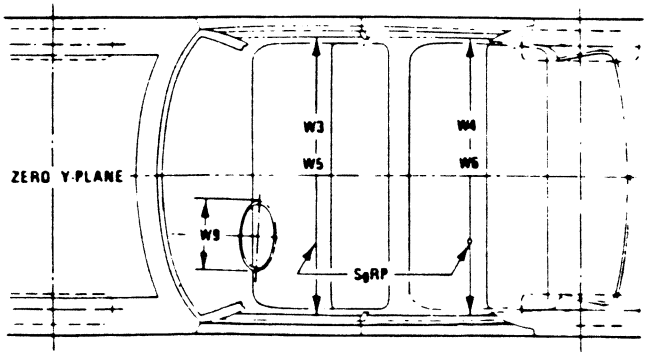
Interior Vehicle And Body Dimensions – Key Sheet

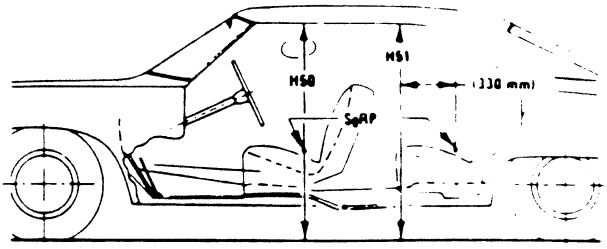






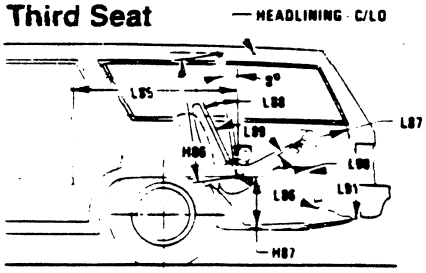


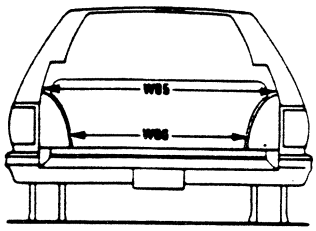




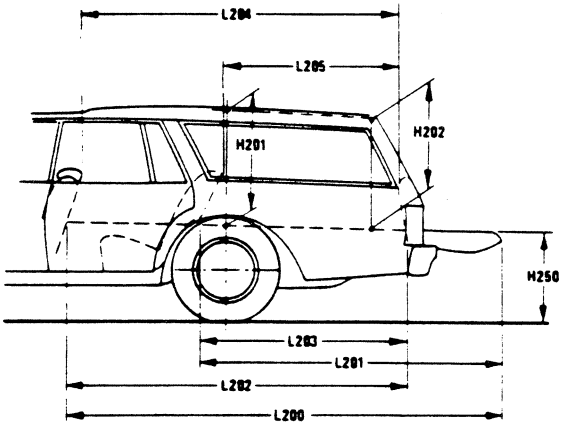
Interior Vehicle And Body Dimensions – Key Sheet

Third Seat

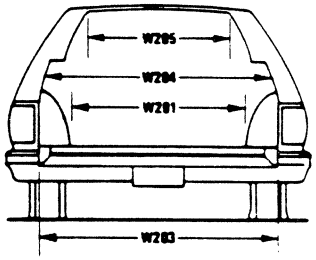


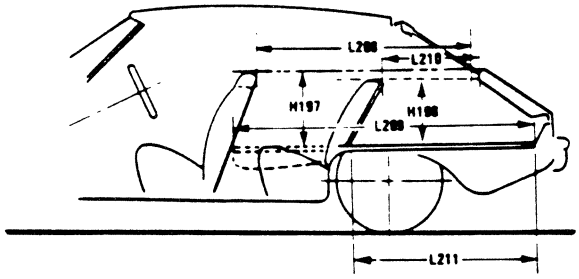


Cargo Space

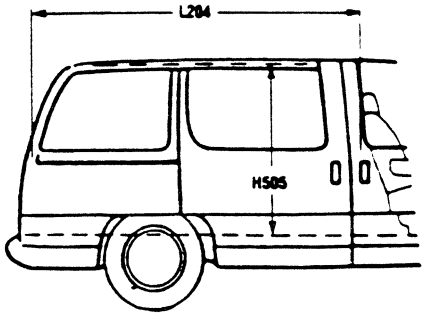


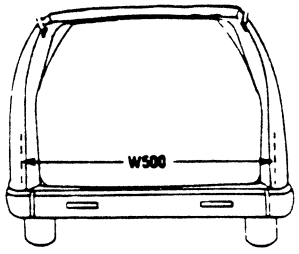
Station Wagon





Hatchback





∅ Multipurpose Vehicle

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 a vertical to the surface plane of the steering wheel.

H30 SgRP – FRONT TO HEEL. The dimension measured vertically from the SgRP – front to the accelerator heel point.

H50 UPPER BODY OPENING TO GROUND – FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP – front "X" plane.

H61 EFFECTIVE HEAD ROOM – FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP – front to the headlining plus 102 mm (4.0in.).

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

Station Wagon / MPV – Third Seat Dimensions

L85 SgRP COUPLE DISTANCE – THIRD. The dimension measured horizontally from the SgRP – second to the SgRP – third.

L86 EFFECTIVE LEG ROOM – THIRD. The dimension measured along a line from the ankle pivot center to the SgRP – third plus 254 mm (10.0 in.).

L87 KNEE CLEARANCE – THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51 mm (2.0 in.). With rear-facing third seat, dimension is measured to closure.

L88 BACK ANGLE – THIRD. Measured in the same manner as L41.

L89 HIP ANGLE – THIRD. Measured in the same manner as L43.

L90 KNEE ANGLE – THIRD. Measured in the same manner as L45

L91 FOOT ANGLE – THIRD. Measured in the same manner as L47.

W85 SHOULDER ROOM – THIRD. Measured in the same manner as W4.

W86 HIP ROOM – THIRD. Measured in the same manner as W5.

H86 EFFECTIVE HEAD ROOM – THIRD. The dimension, measured along a line 8 deg. from the SgRP – third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).

H87 SgRP – THIRD TO HEEL POINT.

SD1 SEAT FACING DIRECTION – THIRD.

Station Wagon / MPV – Cargo Space Dimensions

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

L201 CARGO LENGTH – OPEN – SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering 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

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

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

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

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

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

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

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

V2 STATION WAGON

Measured in inches:

$$\frac{W4 \times H201 \times L204}{1728} = ft^3$$

Measured in mm:

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

V4 HIDDEN LUGGAGE CAPACITY – REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V5 TRUCKS AND MPV'S WITH OPEN AREA.

Measured in inches:

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

Measured in mm:

$$\frac{L506 \times W500 \times H503}{10^9} = m^3 \text{ (cubic meter)}$$

V6 TRUCKS AND MPV'S WITH CLOSED AREA.

Measured in inches:

$$\frac{L204 \times W500 \times H505}{1728} = ft^3$$

Measured in mm:

$$\frac{L204 \times W500 \times H505}{10^9} = m^3 \text{ (cubic meter)}$$

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:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{1728} = ft^3$$

Measured in mm:

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

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. 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. 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 SEATBACK. The minimum horizontal dimension measured at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

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:

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

Measured in mm:

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

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:

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

Measured in mm:

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

MVMA Specifications

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