

1997 CAVALIER

MOTOR VEHICLE MANUFACTURERS SPECIFICATIONS

METRIC (U.S. CUSTOMARY)

1997

Manufacturer CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Vehicle Line CAVALIER	
Mailing Address 30007 VAN DYKE WARREN, MICHIGAN	Issued SEPTEMBER, 1996	Revised

Direct questions concerning these specifications to the manufacturer listed above.

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General Specifications herein are those in effect at date of compilation and are subject to change without notice of incurring obligation by the manufacturer.

AAMA

American Automobile Manufacturers Association
Forms Provided by Engineering Affairs Division

Specifications

METRIC

Table of Contents

1	Vehicle Models/Origin	ø	Indicates Format Change
2	Power Teams		From Previous Year
3	Engine		
4	Lubrication System		
4	Diesel System		
5	Cooling System		
6	Fuel System		
7	Vehicle Emission Control		
7	Exhaust System		
8-10	Transmission, Axles and Shafts		
11	Suspension		
12-13	Brakes, Tires and Wheels		
14	Steering		
15-16	Electrical		
17	Body – Miscellaneous Information		
17	Frame		
18	Glass		
18	Headlamps		
19	Climate Control System		
20-21	Convenience Equipment		
21	Trailer Towing		
22-24	Vehicle Dimensions		
25	Vehicle Fiducial Marks		
26	Vehicle Mass		
27	Optional Equipment Differential Mass (Weight)		
28-34	Vehicle Dimensions Definitions – Key Sheets		
35	Index		

NOTE:

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

Specifications

METRIC (U.S. Customary)

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

Vehicle Origin

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

Vehicle Models

Model Description & Drive (FWD / RWD / AWD / 4WD) *	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfg'r's Model Code)	No. of Designated Seating Positions (Front / Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
CAVALIER					
2-Door Notchback Coupe (FWD)	9-96	1JC37	2/3	60(132)	25/34
4-Door Notchback Sedan (FWD)	9-96	1JC69	2/3	60(132)	25/34
CAVALIER "LS"					
2-Door Convertible (FWD)	9-96	1JF67	2/3	60(132)	25/34
4-Door Sedan (FWD)	9-96	1JF69	2/3	60(132)	25/34
CAVALIER "Z24"					
2-Door Notchback Coupe	9-96	1JF37	2/3	60(132)	23/33

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

Specifications

METRIC (U.S. Customary)

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

Power Teams

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

		A	B	C	D	E	
E N G I N E	Engine Code	LN2	LN2	LN2	LD9	LD9	
	Displacement Liters (in³)	2.2L (133) 4L	2.2L (133) 4L	2.2L (133) 4L	2.4L (146) 4L	2.4L (146) 4L	
	Induction system (FI, Carb, etc.)	Sequential Fuel Injection	Sequential Fuel Injection	Sequential Fuel Injection	Sequential Fuel Injection	Sequential Fuel Injection	
	Compression ratio	9.0:1	9.0:1	9.0:1	9.5:1	9.5:1	
	SAE Net at RP M	Power kW (bhp)	90(120) @ 5200	90 (120) @ 5200	90 (120) @ 5200	112 (150) @ 5600	112 (150) @ 5600
		Torque N • m (lb. ft.)	176 (130) @ 4000	176 (130) @ 4000	176 (130) @ 4000	210 (155) @ 4400	210 (155) @ 4400
	Exhaust single, dual	Single	Single	Single	Single	Single	
T R A N S	Transmission/ Transaxle	MK7-Manual Transaxle 5-Speed	MN4-Automatic Transaxle 4-Speed	MD9-Automatic Transaxle 3-Speed	MJ1-Manual Transaxle 5-Speed	MN4-Automatic Transaxle 4-Speed	
	Effective Final Drive / Axle Ratio (std. first)	3.58	3.63	3.18	3.94	3.91	

Model	Series Availability Code	Power Teams (A - B - C - D)	
		Standard	Optional
CAVALIER			
2-Door Notchback Coupe	1JC37	A	B,C
4-Door Notchback Sedan	1JC69	A	B,C
CAVALIER "LS"			
2-Door Convertible	1JF67	B	D,E
4-Door Notchback Sedan	1JF69	B	E
CAVALIER "Z24"			
2-Door Notchback Coupe	1JF37	D	E

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

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

Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	Inline, Front, Transverse, OHV	
Manufacturer	General Motors Powertrain Group	
No. of cylinders	Four	
Bore	89.0 mm	
Stroke	88.0 mm	
Bore Spacing (C / L to C / L)	99.0 mm	
Cylinder block material & mass kg. (lbs.) (machined)	Cast Iron 44.6 (98.3)	
Cylinder block deck height	216.65 m	
Cylinder block length	443 mm	
Deck clearance (minimum) (above or below block)	.6 mm (Below Block)	
Cylinder head material & mass kg. (lbs.)	Aluminum 10.7 kg (23.6 lbs)	
Cylinder head volume cm ³ (inches ³)	52.4 (3.2)	
Cylinder liner material	N/A	
Head gasket thickness (compressed)	1.55 mm	
Minimum combustion chamber total volume cm ³ (inches ³)	67.9 (4.1)	
Cyl. no. system (front to rear)*	L. Bank	1-2-3-4
	R. Bank	--
Firing order	1-3-4-2	
Intake manifold material & mass kg. (lbs.)**	Aluminum 6.05 kg (13.3 lbs)	
Exhaust manifold material & mass kg. (lbs)**	Cast Iron 3.8 kg (8.4 lbs)	
Knock sensor (number & location)	One, Right Side Of Block	
Fuel required unleaded, diesel, etc.	Unleaded	
Fuel antiknock index (R + M) + 2	87	
Engine Mounts	Quantity	3-Automatic, 4-Manual
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	(2) Elastomeric (1) Hydroelastic - Automatic (3) Elastomeric (1) Hydroelastic - Manual
	Added isolation (sub-frame, crossmember, etc.)	No
Total dressed engine mass (wt) dry***	Automatic 143.8 (With Oil)	Manual 154.7 (With Oil)

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum 313 (11)
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Engine - Camshaft

Location	In Block, Right Side	
Material & mass kg (weight, lbs.)	Assembled Steel 2.3 (5.1)	
Drive type	Chain / belt	Chain
	Width / pitch	19.3 x 9.5 mm (.76 x .37)

- * Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.
- ** Finished state.
- *** Dressed engine mass (weight) includes the following: A/C Compressor Brackets & Bolts Radiator Pipe, Air Cleaner ASM., Ducts & Bolts Generator Brackets, Bolts & ACC Belt Starter Motor & Bolts Transaxle Brace, Flywheel Cover & Bolts, Exhaust Down pipe w/ Converter & bolts EVAP EMIS Canister w/ Hoses, Module Powertrain Control

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Description 2.4 LITER L4 (146 CID)
Engine Code SEQUENTIAL FUEL INJECTION RPO LD9

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, DOHC	
Manufacturer		General Motors Powertrain Group	
No. of cylinders		Four	
Bore		90 mm	
Stroke		94 mm	
Bore Spacing (C / L to C / L)		100 mm	
Cylinder block material & mass kg. (lbs.) (machined)		Cast Iron 52.2 (115.1)	
Cylinder block deck height		221.9 mm	
Cylinder block length		499.5 mm	
Deck clearance (minimum) (above or below block)		0	
Cylinder head material & mass kg. (lbs.)		Aluminum 9.0 kg (19.8 lbs)	
Cylinder head volume cm ³ (inches ³)		59.5 (3.63)	
Cylinder liner material		N/A	
Head gasket thickness (compressed)		1.2 mm	
Minimum combustion chamber total volume cm ³ (inches ³)		130.09 (7.94)	
Cyl. no. system (front to rear)*	L. Bank	1-2-3-4	
	R. Bank		
Firing order		1-3-4-2	
Intake manifold material & mass kg. (lbs.)**		Composite, 1.5 (3.3)	
Exhaust manifold material & mass kg. (lbs.)**		High Silicon Poly Cast Iron 6.3 kg (13.9 lbs)	
Knock sensor (number & location)		One - Rear of Block	
Fuel required unleaded, diesel, etc.		Unleaded	
Fuel antiknock index (R + M) + 2		87	
Engine Mounts	Quantity	3-Automatic	4- Manual
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	(2) Elastomeric (3) Elastomeric	(1) Hydroelastic - Automatic; (1) Hydroelastic -Manual
	Added isolation (sub-frame, crossmember, etc.)	No	
Total dressed engine mass (wt) dry***		Automatic 190.6 kg (With Oil)	Manual 203.0 (With Oil)

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum 345 (12.2)
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Engine - Camshaft

Location		Dual Overhead Cams	
Material & mass kg (weight, lbs.)		Cast Iron 2.8 kg (6.2 lbs)	
Drive type	Chain / belt	Chain	
	Width / pitch	3/8" Pitch Inverted Tooth	

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

** Finished state.

*** Dressed engine mass (weight) includes the following: A/C Compressor Brackets & Bolts Radiator Pipe, Air Cleaner ASM., Ducts & Bolts Generator Brackets, Bolts & ACC Belts Starter Motor & Bolts, Transaxle Brace, Flywheel Cover & Bolts, , Exhaust Downpipe w/ Converter & Bolts , EVAP EMIS Canister w/ Hoses, And Module Powertrain Control

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

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

Engine - Valve System

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

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged Steel, .55 (1.2)
Length (axes C/L to C/L)	141.95 mm

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Cast Iron, 14.5 (32.0)
End thrust taken by bearing (no.)	Four
Length & number of main bearings	5, 20.76 mm
Seal (material, one, two piece design, etc.)	Front
	Rear

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	82.7 - 137.9 (12-20) @ 3000
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4.0 qt.)

Engine - Diesel Information (NOT APPLICABLE)

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

Engine - Intake System (NOT APPLICABLE)

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

* Finished State

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised _____

METRIC (U.S. Customary)

Engine Description 2.4 LITER L4 (146 CID)
 Engine Code SEQUENTIAL FUEL INJECTION RPO LD9

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	Standard
Valves	Number intake / exhaust Eight/Eight
	Head O.D. intake / exhaust 35.5 mm/29.0 mm

Engine - Connecting Rods

Material & mass kg., (weight, lbs.)*	Steel 0.662 kg (1.46 lbs)
Length (axes C/L to C/L)	145 mm

Engine - Crankshaft

Material & mass kg., (weight, lbs.)*	Cast Iron	21.5 kg (47.4 lbs)
End thrust taken by bearing (no.)	Three	
Length & number of main bearings	#1,2,4,5 - 28.6 mm	#3 27.25
Seal (material, one, two piece design, etc.)	Front	One Piece Viton
	Rear	One Piece Viton

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	207 kPa (30 psi) @ 2000 RPM
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full Flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4 qt.)

Engine - Diesel Information (NOT APPLICABLE)

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

Engine - Intake System (NOT APPLICABLE)

Turbo charger - manufacturer	
Super charger - manufacturer	
Intercooler	

* Finished State

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

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

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard	
Coolant fill location (rad., bottle)		Surge Tank	
Radiator cap relief valve pressure kPa (psi)		103 kPa (15 psi)	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at °C (°F)	82°C (180°F)	
Water pump	Type (centrifugal, other)	Centrifugal	
	GMP 1000 pump rpm	7.3	
	Number of pumps	One	
	Drive (V-belt, other)	Ploy-Vee Serpentine	
	Bearing type	Sealed, Ball Roller	
	Impeller material	Stamped Steel	
Housing material		Aluminum	
By-pass recirculation type (inter., ext.)		External - Thur Intake Manifold	
Cooling System capacity	With heater - L (qt.)	9.1 L (9.6 qt.)	
	With air conditioner - L (qt.)	9.1 L (9.6 qt.)	
	Opt. equipment specify - L (qt.)	Not Applicable	
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	Standard or A/C + Manual	Standard or A/C + Automatic
	Type (cross-flow, etc.)	Cross-Flow	
	Construction (fin & tube mechanical, braze, etc.)	Tube & Fin/Brazed Aluminum	
	Material, mass kg (wgt., lbs.)	2.38 kg (5.2lbs) Manual	3.23 kg (7.1lbs) Automatic
	Width	660 mm (25.9 in)	
	Height	383 mm (15.1 in)	
	Thickness	16 mm (.63 in)	
Fins per inch	20	20	
Radiator end tank material		Plastic	
Fan	Std., elec., opt.	Electric	Electric, A/C
	Number of blades & type (flex, solid, material)	6 Solid Plastic	7, Solid Plastic
	Number & location (front, rear of radiator)	1 Rear	1 Rear
	Diameter & projected width	316 (12.4)	371 (14.6)
	Ratio (fan to crankshaft rev.)	Not Applicable	
	Fan cutout type	ECM Controlled	
	Drive type (direct, remote)	Direct-Electric Motor	
	RPM at idle (elec.)	1800	
	Motor rating (wattage/elec.)	100 Watts	150 Watts
	Motor switch (type & location/elec.)	Engine Block	
	Switch point (temp.,/pressure/elec.)	On At 106° Deg C, Off At 103° C	
	Fan shroud (material)	Plastic	Plastic

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Description
Engine Code

2.4 LITER L4 (146 CID)
SEQUENTIAL FUEL INJECTION RPO LD9

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard		
Coolant fill location (rad., bottle)		Surge Tank		
Radiator cap relief valve pressure kPa (psi)		103 (15)		
Circulation thermostat	Type (choke, bypass)	Bypass		
	Starts to open at °C (°F)	82°C (180°F)		
Water pump	Type (centrifugal, other)	Centrifugal		
	GMP 1000 pump rpm	8.0		
	Number of pumps	One		
	Drive (V-belt, other)	Chain		
	Bearing type	Double Row Ball Bearing		
	Impeller material	Steel		
	Housing material	Cast Aluminum		
By-pass recirculation type (inter., ext.)		External		
Cooling System capacity	With heater - L (qt.)	9.4 L (10.0 qt.)		
	With air conditioner - L (qt.)	9.4 L (10.0 qt.)		
	Opt. equipment specify - L (qt.)	Not Applicable		
Water jackets full length of cyl. (yes, no)		Yes		
Water all around cylinder (yes, no)		Yes		
Water jackets open at head face (yes, no)		Yes		
Radiator core	Std., A/C, HD	Standard or A/C + Manual Standard or A/C + Automatic		
	Type (cross-flow, etc.)	Cross-Flow		
	Construction (fin & tube mechanical, braze, etc.)	Tube & Fin/Brazed Aluminum		
	Material, mass kg (wgt., lbs.)	2.38 kg (5.2 lbs) Manual	3.23 kg (7.1 lbs) Automatic	
	Width	660 mm (25.9 in)		
	Height	383 mm (15.1 in)		
	Thickness	16 mm (.63 in)		
	Fins per inch	20	20	
Radiator end tank material		Plastic		
Fan	Std., elec., opt.	Elect	electric/C	
	Number of blades & type (flex, solid, material)	6 Solid Plastic	7, Solid Plastic	
	Number & location (front, rear of radiator)	1 Rear	1 Rear	
	Diameter & projected width	316 (12.4)	371(14.6)	
	Ratio (fan to crankshaft rev.)	Not Applicable		
	Fan cutout type	ECM Controlled		
	Drive type (direct, remote)	Direct-Electric Motor		
	RPM at idle (elec.)	1800		
	Motor rating (wattage/elec.)	100 Watts	150 Watts	
	Motor switch (type & location/elec.)	Engine Block		
	Switch point (temp./pressure/elec.)	On At 106° Deg C, Off At 103° C		
Fan shroud (material)	Plastic	Plastic		

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

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

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

Induction type: carburetor, fuel injection system, etc.		Sequential Fuel Injection
Manufacturer		Delphi
Carburetor no. of barrels		None
Idle A/F mix.		Computer Controlled
Fuel injection	Point of injection (no.)	Intake Manifold (four)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	294 - 306 (43 - 44)
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	900 RPM (neutral)
	Automatic	600 RPM
Intake manifold heat control (exhaust or water thermostatic or fixed)		None
Air cleaner type		Replaceable Paper Element
Fuel filter (type/location)		Replaceable Paper Element/ Inline
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Tank
	Pressure range kPa (psi)	Depends on Flow Rate and System Voltage
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	62.4 (16.5) @ 300 (51)

Fuel Tank

Capacity refill L (gallons)		57.5 L (15.2 gal.)
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 / Multi-Layer Nylon 12
Fuel hose (material)		Rubber
Return line (material)		Steel / Multi-Layer 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	
	Selector switch or valve	
Separate fill		

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Description 2.4 LITER L4 (146 CID)
 Engine Code SEQUENTIAL FUEL INJECTION RPO LD9

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

Induction type: carburetor, fuel injection system, etc.		Multi Fuel Injection
Manufacturer		Delphi
Carburetor no. of barrels		N/A
Idle A/F mix.		Computer Controlled
Fuel injection	Point of injection (no.)	Cylinder Head (four)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	300 (44)
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	900 RPM (neutral)
	Automatic	600 RPM
Intake manifold heat control (exhaust or water thermostatic or fixed)		N/A
Air cleaner type		Replacement Paper Element
Fuel filter (type/location)		Inline/Replacement
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Tank
	Pressure range kPa (psi)	250 - 300 (36-44)
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	62.5 (16.4) @ 350 (50.8) @ Wide Open Throttle

Fuel Tank

Capacity refill L (gallons)		57.6 L (15.2 gal)
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/ Multi-Layer Nylon 12
Fuel hose (material)		Rubber
Return line (material)		Steel/ Multi-Layer 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	
	Selector switch or valve	
Separate fill		

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

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

Vehicle Emission Control

Type (air injection, engine modifications, other)		Engine Modifications	
Exhaust Emission Control	Air injection	Pump or pulse	N/A
		Driven by	N/A
		Air distribution (head, manifold, etc.)	N/A
		Point of entry	N/A
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled Flow
		Exhaust source	#4 Cylinder At Cylinder Head
	Catalytic Converter	Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
		Type	Three Way Monolith
		Number of	One
		Locations(s)	Under Floor
Volume L (in ³)		2.67 L (163 in ³)	
Substrate type		Ceramic	
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)	Positive Vent System w/ Orifice Metering to Intake	
		Energy source (manifold vacuum, carburetor, other)	Manifold Vacuum
		Discharges to (intake manifold, other)	Intake Manifold
		Air inlet (breather cap, other)	N/A
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel Tank	Canister
		Carburetor	N/A
	Vapor storage provision	Canister	
Electronic system	Closed loop (yes/no)	Yes	
	Open loop (yes/no)	No	

Engine - Exhaust System

Type (single, single with cross-over, dual, other)	Single	
∅ Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)	409 Aluminized Stainless Steel Muffler ASM = 9.7 kg (21.3 lbs) 1, Reverse Flow	
∅ Resonator no., type, & volume (liters)	None	
Exhaust pipe	Branch o.d., wall thickness	None
	Main o.d., wall thickness	41.3, 1.42 mm (1.6, .056 in)
	Material & Mass kg. (weight lbs.)	Stainless Steel 3.64 kg (8.02 lbs)
Intermediate pipe	o.d. & wall thickness	50.8 x 1.37 mm (2.0 x .054 in.)
	Material & Mass kg. (weight lbs.)	Stainless Steel 409 (MASS See Muffler ASM)
Tail pipe	o.d. & wall thickness	44.5 x 1.1 mm (1.75 x .043 in)
	Material & Mass kg. (weight lbs.)	Stainless Steel 409 Aluminized (MASS See Muffler ASM)

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Description
Engine Code

2.4 LITER L4 (146 CID)
SEQUENTIAL FUEL INJECTION RPO LD9

Vehicle Emission Control

Type (air injection, engine modifications, other)		Engine Modifications	
Exhaust Emission Control	Air injection	Pump or pulse	N/A
		Driven by	N/A
		Air distribution (head, manifold, etc.)	N/A
		Point of entry	N/A
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled Flow
		Exhaust source	#4 Cylinder Exhaust Runner
	Catalytic Converter	Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold
		Type	Three Way Monolith
		Number of	One
		Locations(s)	Under floor
Volume L (in ³)		2.67 L (163 in ³)	
Substrate type		Ceramic	
Noble metal type		Platinum (Pt), Rhodium (Rh)	
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Positive Vent System w/ Orifice Metering to Intake
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
	Discharges to (intake manifold, other)		Intake Manifold
	Air inlet (breather cap, other)		N/A
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel Tank	Canister
		Carburetor	N/A
	Vapor storage provision		Canister
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		
○	Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)	409 Aluminized Stainless Steel Muffler ASM = 10.9 kg (24.0 lbs) 1, Reverse Flow
○	Resonator no., type, & volume (liters)	1, Bottle w/Baffle
Exhaust pipe	Branch o.d., wall thickness	None
	Main o.d., wall thickness	44.45, 1.90 mm (1.75, .075 in)
	Material & Mass kg. (weight lbs.)	Stainless Steel
Intermediate pipe	o.d. & wall thickness	50.8 x 1.37 mm (2.0 x .054 in)
	Material & Mass kg. (weight lbs.)	Stainless Steel - 409 (MASS see Muffler ASM)
Tail pipe	o.d. & wall thickness	50.8 x 1.1 mm (2.0 x .043 in)
	Material & Mass kg. (weight lbs.)	Stainless Steel - 409 Aluminized (MASS See Muffler ASM)

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

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

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)	N/A
Automatic (manufacturer/country)	GM Powertrain Group/USA (MD9) Opt
Automatic overdrive (manufacturer/country)	GM Powertrain Group/USA (MN4) Opt

Manual Transmission/Transaxle

Number of forward speeds	5	
Gear ratios	1st	3.91
	2nd	2.18
	3rd	1.45
	4th	1.03
	5th	0.74
	6th	N/A
	Reverse	3.58
Synchronous meshing (specify gears)	1-5	
Shift lever location	Floor	
Trans. case material & mass kg. (lbs.)*	Aluminum 36.5 kg (80.5 lbs)	
Lubricant	Capacity L (pt.)	1.9 L (4.0 pt.)
	Type recommended	Synchromesh Transmission Fluid (STF)

Clutch (Manual Transmission)

Clutch manufacturer	Daikin	
Clutch type (dry, wet; single, multiple disc)	Dry Disc, Single	
Linkage (hydraulic, 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)	Over Center Spring	
Type pressure plate springs	Diaphragm	
Total spring load (nominal) N (lbs.)	5688 (1279)	
Clutch facing	Facing mfr. & material coding	Valeo F202
	Facing material & construction	F202
	Rivets per facing	16
	Outside x inside dia. (nominal)	215.0 x 150.0 (8.46 x 5.91)
	Total eff. area cm ² (in. ²)	186.3 (28.8)
	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.

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

2.4 LITER L4
SEQUENTIAL FUEL INJECTION RPO LD9

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

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	isuzu/ Japan (MJ1) Std
Manual 6-speed (manufacturer/country)	Not Applicable
Automatic (manufacturer/country)	Not Applicable
Automatic overdrive (manufacturer/country)	GM Powertrain Group/Canada (MN4) Opt

Manual Transmission/Transaxle

Number of forward speeds		5
Gear ratios	1st	3.73
	2nd	2.18
	3rd	1.33
	4th	.92
	5th	.74
	6th	N/A
	Reverse	3.58
Synchronous meshing (specify gears)		1-5
Shift lever location		Floor
Trans. case material & mass kg. (lbs.)*		Aluminum 36.5 kg (80.5 lbs)
Lubricant	Capacity L (pt.)	1.9 L
	Type recommended	SFT

Clutch (Manual Transmission)

Clutch manufacturer		Daikin
Clutch type (dry, wet; single, multiple disc)		Dry Disc Single
Linkage (hydraulic, 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)		Over Center Spring
Type pressure plate springs		Diaphragm
Total spring load (nominal) N (lbs.)		5888 1279
Clutch facing	Facing mfr. & material coding	Value F202
	Facing material & construction	F202
	Rivets per facing	16
	Outside x inside dia. (nominal)	225.0 x 150.0
	Total eff. area cm ² (in. ²)	221
	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 (.05)/ 1.2 (.05)
	Engagement cushion method	Driven Plate Wave Spoke Springs
Release bearing type & method lub.		Self Centering Angular Contact Ball Prepacked & Sealed
Torsional damping method, springs, hysteresis		Coil Springs with Non-Metal Friction Control

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

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

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

Automatic Transmission/Transaxle

Trade Name		GMPT 4T40 Transaxle Assembly (MN4)
Type and special features (describe)		4 Speed, Front Wheel Drive, Electronically Controlled Automatic Transaxle with Viscous Torque Converter Clutch
Shift mechanics		Hydraulic
Gear selector	Location (column, floor, other)	Floor
	Ltr./No. designation (e.g. PRND21)	P-R-N-D-2-1
	Shift interlock (yes, no, describe)	Yes - brake interlock
Gear ratios	1st	2.96
	2nd	1.63
	3rd	1.00
	4th	0.68
	5th	N/A
	6th	N/A
	Reverse	2.13
Final drive ratio		3.05; Effective Final Drive Ratio = 3.63
Max. upshift vehicle speed - drive range km/h (mph)		144
Max. upshift engine speed RPM		5800
Max. kickdown speed - drive range km/h (mph)		101
Min. overdrive speed km/h (mph)		48
Torque converter	Type	Electronically Controlled Converter Clutch
	Torus design	Yes
	Number of elements	3
	Max. ratio at stall	2.48
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 mm
Capacity factor "K"*		203
Pump type		Positive Variable Displacement Vane
Lubricant	Capacity refill L (pt.)	7 (Bottom Pan Service) 10 (Complete Overhaul)
	Type recommended	Dexron III
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard Integral Part w/ Radiator Liquid
Transmission mass kg (lbs.) & case material**		74.7 kg Dry 85.1 (Wet) Cast Aluminum

All Wheel / 4 Wheel Drive (NOT APPLICABLE)

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

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

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

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Description
Engine Code

2.4 LITER L4
SEQUENTIAL FUEL INJECTION RPO LD9

Automatic Transmission/Transaxle

Trade Name		3T40E Transaxle Assembly (MD9)
Type and special features (describe)		3-Speed Front Wheel Drive with Automatic Transaxle with Torque Converter Clutch
Shift mechanics		Hydraulic
Gear selector	Location (column, floor, other)	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 w/ clutch engagement)
	4th	N/A
	5th	N/A
	6th	N/A
	Reverse	2.07
Final drive ratio		2.84 Effective Final Drive = 3.18
Max. upshift vehicle speed - drive range km/h (mph)		
Max. upshift engine speed RPM		
Max. kickdown speed - drive range km/h (mph)		
Min. overdrive speed km/h (mph)		
Torque converter	Type	Lock-Up
	Torus design	Yes
	Number of elements	3
	Max. ratio at stall	2.48
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 mm
Capacity factor "K"		203 K
Pump type		Variable Displacement Vane
Lubricant	Capacity refill L (pt.)	8.5 Dry
	Type recommended	Dexron III
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard Integral Part of Radiator, Liquid
Transmission mass kg (lbs.) & case material**		65.7 kg Dry Cast Aluminum

All Wheel / 4 Wheel Drive

(NOT APPLICABLE)

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

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

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

Specifications

Vehicle Line CAVALIER

Model Year 1997

Issued 9-96

Revised (●) _____

METRIC (U.S. Customary)

Engine Description

2.2 LITER L4 (133 CID)

Engine Code

SEQUENTIAL FUEL INJECTION RPO LN2

Automatic Transmission/Transaxle

Trade Name		4T40E Transaxle Assembly (MN4)
Type and special features (describe)		Four Speed, Front Wheel Drive, Electronically Controlled, Automatic Transaxle with Torque Converter Clutch
Shift mechanics		Hydraulic Clutches/ Electronic Controls
Gear selector	Location (column, floor, other)	Floor
	Ltr./No. designation (e.g. PRND21)	P-R-N-D-2-1
	Shift interlock (yes, no, describe)	Yes
Gear ratios	1st	2.96
	2nd	1.63
	3rd	1.0
	4th	.68
	5th	N/A
	6th	N/A
	Reverse	2.13
Final drive ratio		3.29 Effective Final Drive = 3.91
Max. upshift vehicle speed - drive range km/h (mph)		145 (90)
Max. upshift engine speed RPM		6500
Max. kickdown speed - drive range km/h (mph)		137 (85)
Min. overdrive speed km/h (mph)		45 (28)
Torque converter	Type	Lock Up
	Torus design	Yes
	Number of elements	3
	Max. ratio at stall	2.48
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 mm
Capacity factor "K"*		203 K
Pump type		Variable Displacement Vane
Lubricant	Capacity refill L (pt.)	7 (Bottom Pan Service) 10 (Complete Overhaul)
	Type recommended	Dexron III
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard Integral w/ Radiator, liquid
Transmission mass kg (lbs) & case material		74.7 kg (Dry) 85.1 kg (Wet) Cast Aluminum

All Wheel / 4 Wheel Drive

(NOT APPLICABLE)

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

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

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

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Description 2.4 LITER L4 (146 CID)
 Engine Code SEQUENTIAL FUEL INJECTION RPO LD9

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

Effective final drive ratio (or overall top gear ratio)	MK7 (5 Speed Manual)	MN4 3.91 (4 Speed Automatic)	MD9
Transfer ratio and method (chain, gear, etc.)			
Front drive unit	Ring gear o.d.		
	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.)
	Bearing adjustment
Driving wheel bearing (type)	
Lubricant	Capacity L (pt.)
	Type recommended

Axle Shafts - Front Wheel Drive

Manufacturer and number used		Delphi Saginaw Automotive Engineering		
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 330.0 mm	
		Right	27.1 x 330.0 mm	
	Automatic transaxle	Left	27.1 x 313.0 mm.	
		Right	27.1 x 313.0 mm.	
	Optional transaxle	Left		
		Right	445.3	
Slip yoke	Type			
	Number of teeth			
	Spline o.d.			
Universal joints	Make and mfg. no.	Inner	Delphi Saginaw	
		Outer	Delphi Saginaw	
	Number used			
	Type, size, plunge	Inner	Free Motion - 61.0 Stroke	
		Outer	Rzeppa - Fixed Center	
	Attach (u-bolt, clamp, etc.)			Inboard Joint - Retaining Ring/ Outboard Joint - Washer and Nut
Bearing	Type (plain, anti-friction)	Inner - Ball and Roller Outer - Ball		
	Lubrication (fitting, prepack)	Prepacked		
Drive taken through (torque tube, arms or springs)			Wishbone Lower Control Arm - Upper Mac Pherson	
Torque taken through (torque tube, arms or springs)			Engine Mounting System	

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

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Description
 Engine Code

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

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

Effective final drive ratio (or overall top gear ratio)		MK7 3.58 (5 Speed Manual) MN4 3.63 4T40E (4-Speed Automatic) MD9 3.18 3 Speed Automatic
Transfer ratio and method (chain, gear, etc.)		
Front drive unit	Ring gear o.d.	
	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 Transmission Spec.
	Type recommended	-

Axle Shafts - Front Wheel Drive

Manufacturer and number used		Delphi Saginaw Automotive Engineering		
Type (straight, solid bar, tubular, etc.)	Left	Straight - Solid		
	Right	Straight - Solid		
Outer diam. x length* x wall thickness	Manual Transaxle	Left	23.9 x 335.0 mm	
		Right	23.9 x 694.6 mm	
	Automatic transaxle	Left	MN4: 23.9 x 311.0 mm	MD9: 23.9 x 320.0 mm
		Right	23.9 x 311.0 mm	23.9 x 389.6 mm
	Optional transaxle	Left		
		Right		
Slip yoke	Type			
	Number of teeth			
	Spline o.d.			
Universal joints	Make and mfg. no.	Inner	Delphi Saginaw	
		Outer	Delphi Saginaw	
	Number used		Inboard & Outboard On Each Half Shaft Assembly	
	Type, size, plunge	Inner	Tripot - 61.0mm Stroke	Free - Motion - 61.0 mm Stroke Tripot
		Outer	Rzeppa - Fixed Center	
	Attach (u-bolt, clamp, etc.)		Inboard Joint - Retaining Ring / Outboard Joint - Washer & Nut	
Bearing	Type (plain, anti-friction)	Inner - Ball & Roller Outer - Ball		
	Lubrication (fitting, prepack)	Prepacked		
Drive taken through (torque tube, arms or springs)		Wishbone Lower Control Arm - Upper Mac Pherson		
Torque taken through (torque tube, arms or springs)		Engine Mounting System		

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

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Description 2.4 LITER L4 (146 CID)
 Engine Code SEQUENTIAL FUEL INJECTION RPO LD9

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

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

Rear Axle Unit (NOT APPLICABLE)

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

Propeller Shaft - Rear Wheel Drive (NOT APPLICABLE)

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

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

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

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

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

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

Rear Axle Unit (NOT APPLICABLE)

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

Propeller Shaft - Rear Wheel Drive (NOT APPLICABLE)

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

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

Specifications

Vehicle Line CAVALIER

Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

ALL

Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not available	FE1 Suspension Standard on Base and LS models	
	Manual/automatic control	N/A	
	Type (air/hydraulic)	N/A	
	Primary/assist spring	N/A	
	Rear only/4 wheel leveling	N/A	
	Single/dual rate spring	N/A	
	Single/dual ride heights	N/A	
Provision for jacking		Body Jack & Pads On Rockers	
Shock absorber damping controls	Standard/option/not available	N/A	
	Manual/automatic control	N/A	
	Number of damping rates	N/A	
	Type of actuation (manual/ electric motor/air, etc.)	N/A	
	Sensors	Lateral acceleration	N/A
		Deceleration	N/A
Acceleration		N/A	
Road surface		N/A	
Shock absorber (front & rear)	Type	Front - MacPherson Strut; Rear - Double Acting Hydraulic	
	Make	Delphi Chassis Systems	
	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)	85 (3.2) (Max Effective From Curb)
	Full rebound	83 (3.1) (Max Effective From Curb)
Spring	Type (coil, leaf, other & material)	Coil, Steel
	Insulators (type & material)	Top & Bottom - Rubber
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	Spring Computer Selected - Varies With Option Content Design Hgt Body I.D. Bar dia Range Bar Length Range 191.6 mm (7.5) 88-123.5 mm (4.8) 13.5 0 14.2 mm (.55) 2510-2630 mm (103.5)
	Spring rate N/mm (lb./in.)	27 mm (1.06) & 29 mm (1.14) Base 31 mm (1.22) Uplevel
	Rate at wheel N/mm (lb./in.)	31 (1.2) N/mm
Stabilizer	Type (link, linkless, frameless)	Link
	Material & O.D. bar/tube, wall thickness	Steel: 18.0 mm (0.74) Base 22.0 mm (0.79) Uplevel

Suspension - Rear

Type and description		Trailing Tubular Control Arms With Twist Beam
Travel	Full jounce (define load condition)	110 mm (4.3) From Curb
	Full rebound	78 mm (3.1) From Curb
Spring	Type (coil, leaf, other & material)	Coil, Steel
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	Spring Computer Selected - Varies With Option Content Design Hgt Body I.D. Bar dia Range Bar Length Range 191.8 mm (7.5) 105 mm (4.1) 11.4-12.6 mm (.49) 2500-2700 mm (106.2)
	Spring rate N/mm (lb./in.)	19 (.74) N/mm & 21 (.82) N/mm (Base)
	Rate at wheel N/mm (lb./in.)	22 (.86) N/mm (Base)
	Insulators (type & material)	Top - Rubber
	If leaf	No. of leaves Shackle (comp. or tens.) -- --
Stabilizer	Type (link, linkless, frameless)	Linkless
	Material & O.D. bar/tube, wall thickness	None (Base) 18MM Solid (Uplevel)
Track bar (type)		--

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

ALL

Brakes - Service

Description		Power Assisted Hydraulic Brakes JM4			
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)	Standard - Disc			
	Rear (disc or drum)	Standard - Drum			
Valving type (proportion, delay, metering, other)		Proportioning, Diagonal Split Circuit			
Power brake (std., opt., n.a.)		Standard			
Booster type (remote, integral, vac., hyd., etc.)		Tandem Vacuum			
Vacuum	Source (inline, pump, etc.)	Inline			
	Reservoir (volume in. ³)	None			
	Pump-type (elec., gear or belt driven)	Not Applicable			
Traction assist	Operational speed range	All Speed Ranges			
	Type (engine or brake intervention)	Powertrain Management			
Antilock device	Front/rear (std., opt., n.a.)	Standard			
	Manufacturer	Delphi Chassis Division - ABS VI			
	Type (electronic, mech.)	Electronic			
	Number sensors or circuits	4			
	Number antilock hydraulic circuits	3			
	Integral or add-on system	Add On			
	Yaw control (yes, no)	Yes			
Hyd. power source (elec., vac., mtr., pwr., strg.)	Electric Motor For Each Circuit				
Effective area cm ² (in. ²)*		204 (31.7) Front	324.1 (50.2) Rear		
Gross Lining area cm ² (in. ²)** (F/R)		204 (31.7) Front	324.1 (50.2) Rear		
Swept area cm ² (in. ²)*** (F/R)		1175 (182.2) Front	556 (86.2) Rear		
Rotor	Outer working diameter	F/R	Front - 259.5 (10.2)		
	Inner working diameter	F/R	Front - 149.6 (5.9)		
	Thickness	F/R	Front - 20 (.79)		
	Material & type (vented/solid)	F/R	Front Vented Cast Iron		
Drum	Diameter & width	F/R	Rear - 200 x 45 mm (7.87 x 1.77 in.)		
	Type and material	F/R	Cast Iron		
Wheel cylinder bore		Front - 57 mm (2.24 in.)	Rear - 17.5 (.69 in.)		
Master cylinder	Bore/stroke	F/R	Bore - 22.2 mm (.874 in.) Stroke - 35.7 mm (1.41 in.)		
Pedal arc ratio		3.00:1			
Line press. at 445 N (100 lb.) pedal load (kPa (psi))		1600 PSI Max			
Lining clearance		F/R	Both - Self Adjusting		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Integrally Molded - Inboard And Outboard	
		Rivet Size		Not Applicable	
		Manufacturer		Delphi Chassis Division	
		Lining code *****		130 EE	
		Material		Semi-Metallic	
		**	Primary or out-board	124 x 46 x 8.68mm (4.88 x 1.81 x 0.34 in)	
		**	Secondary or in-board	124 x 46x 9.68mm (4.88 x 1.81 x 0.38 in)	
	Shoe thickness (no lining)		4.85mm (0.19 in)		
	Rear wheel	Bonded or riveted (rvts/seg.)		Riveted	
		Manufacturer		Delphi Chassis Division	
		Lining code *****		234 FE	
		Material		Organic	
		**	Primary or out-board	167.9 x 44.2 x 6.6 mm (6.602 x 1.728 x .236 in.)	
**		Secondary or in-board	198.8 x 44.2 x 7.2 mm (7638 x 1.728 .28 in.)		
Shoe thickness (no lining)		2.75 mm (.11 in.)			

*Excludes rivet holes, grooves, chamfers, etc.

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

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

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

ALL

Tires And Wheels (Standard)

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

Tires And Wheels (Optional)

Tire size (service description)		P195/65R15
Type (bias, radial, steel, nylon, etc.)		Radial
Wheel (type & material)		Aluminum
Rim (size, flange type and offset)		15 x 6J x 47
Tire size (service description)		P205/55R16
Type (bias, radial, steel, nylon, etc.)		Radial
Wheel (type & material)		Aluminum
Rim (size, flange type and offset)		16 x 6J x 47
Tire size (service description)		P195/65R15
Type (bias, radial, steel, nylon, etc.)		Radial
Wheel (type & material)		Stamped/Steel
Rim (size, flange type and offset)		15 x 6J x 47
Tire size (service description)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Spare tire and wheel size		
(if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		

Brakes - Parking

Type of control		Hand Lever Asm - Self Adjust
Location of control		Between Front Seats
Operates on		Rear Service Brakes
If separate from service brakes	Type (internal or external)	Not Applicable
	Drum diameter	--
	Lining size (length x width x thickness)	--

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●)

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

ALL

Steering

Manual (std., opt., n.a.)		Not Applicable		
Power (std., opt., n.a.)		Standard		
Speed-sensitive (std., opt., n.a.)				
4-wheel steering (std., opt., n.a.)				
Adjustable steering wheel/column (tilt, telescope, other)	Type	N33 Tilt (Optional)		
	Manufacturer	Delphi Saginaw Steering System		
	(std., opt., n.a.)	Optional		
Wheel diameter** (W9) SAE J1100	Manual	None		
	Power	N/A		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	N/A	
		Curb to curb (l. & r.)	10.85 (35.6)	
	Inside rear	Wall to wall (l. & r.)	N/A	
		Curb to curb (l. & r.)	N/A	
Scrub Radius*		-4.23 (14" Tires)		
Manual	Gear	Type	Not Applicable	
		Manufacturer	N/A	
		Ratios	Overall N/A	
	No. wheel turns (stop to stop)		N/A	
Power	Type (coaxial, elec. hyd., etc.)		Hydraulic	
	Manufacturer		Delphi Saginaw Steering Systems	
	Gear	Type	Rack & Pinion	
		Ratios	Gear	--
	Pump (drive)		Belt Off Crankshaft Pulley (LN2)	Direct Drive Off Crankshaft (LD9)
	No. wheel turns (stop to stop)		2.6 Base	2.8 (Uplevel)
Linkage	Type		End Take - Off Tie Rods, Rack & pinion	
	Location (front or rear of wheels, other)		Rear	
	Tie rods (one or two)		2	
Steering axis	Kingpin Inclination (deg.)		12.0°	
	Bearings (type)	Upper	Ball Bearings	
		Lower	Ball Joint	
		Thrust	Incorporated in Upper Bearing	
Steering spindle/knuckle & joint type		MacPherson Strut		

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.
 ** See Page 23.

AAMA Specifications

Vehicle Line CAVALIER

METRIC (U.S. Customary)

Model Year 1997 Issued 9-96 Revised (●) _____

Model Code/Description And/Or
Engine Code/Description

ALL

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	Not Adjustable
		Camber (deg.)	-.2° (+/-) .7 Cross Car Must Be Within 1.0
		Toe-in outside track mm (in.)	.10° (+/-) .20° Sum (0 mm (+/-) 1.5 mm) 0° +/- .2 (LD2/FE2 & Convertible)
	Service reset*	Caster (deg.)	Not Adjustable
		Camber (deg.)	-.2° (+/-) .7 Cross Car Must Be Within 1.0
		Toe-in mm (in.)	.10° (+/-) .20° Sum (0 mm (+/-) 1.5 mm) 0° +/- .2 (LD2/FE2 & Convertible)
Periodic M.V. in- spection	Caster (deg.)	Not Adjustable	
	Camber (deg.)	Not Adjustable	
	Toe-in mm (in.)	Not Adjustable	
	Toe-in mm (in.)	Not Adjustable	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-.25° +/- .25°
		Toe-in outside track mm (in.)	.20° +/- .35°
		Toe-in mm (in.)	Not Adjustable
	Service reset*	Camber (deg.)	Not Adjustable
		Toe-in mm (in.)	Not Adjustable
		Toe-in mm (in.)	Not Adjustable
Periodic M.V. insp.	Camber (deg.)	Not Adjustable	
	Toe-in mm (in.)	Not Adjustable	

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

Electrical - Instruments and Equipment Gage

Speed- ometer	Type (analog, digital, std., opt.)	Analog Electric (Standard)
	Trip odometer (std., opt., n.a.)	Gage Only (Optional)
Head-up display	Standard, optional, not available	Not Available
	Type	Secondary, opto-electronic
	Speedometer	Digital
	Status/warning indicators	Turn signals, high beam, low fuel, check gauges
	Brightness control	Day / night mode, adjustable
EGR maintenance indicator		Not Available
Charge indicator	Type	Tell - Tale Warning Lamp
	Warning device (light, audible)	Lamp
Temperatur e indicator	Type	Gauge
	Warning device (light, audible)	Ck Gauge Light
Oil pressure indicator	Type	Tell - Tale Warning Lamp
	Warning device (light, audible)	Lamp
Fuel indicator	Type	Gauge
	Warning device (light, audible)	Ck Gauge Tell - Tale
Windshield wiper	Type (standard)	Electric 2-Speed w/ Fixed Delay Pulse
	Type (optional)	Pulse Wiper Variable Delay (CD4)
	Blade length	6890.0 (1068.0) CPE
	Swept area cm ² (in. ²)	6856.9 (1062.8) SDN
Windshield washer	Type (standard)	Electric Pump MTd. On Reservoir Bottle, Wet Arm
	Type (optional)	None
	Fluid level indicator (light, audible)	None
Rear window wiper, wiper/washer (std., opt., n.a.)		Not Available
Horn	Type	Electro-Mechanical (Air Column)
	Number used	1 (F Note)
Other		(UH8) Uplevel Gage Cluster Includes Tachometer, PRNDL Tell Tale Includes Parking Brake And Brake Failure, Fasten Belt, Upshift, Check Engine, Low Coolant, High Beam, Left And Right Turn, ABS, Airbag, DRL, and Theft System

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Code/Description

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

Electrical - Supply System

Battery	Manufacturer	Delphi - E	
	Model, std., (opt.)	Standard - 19000670	Optional - 19000672
	Voltage	12	
	Amps at 0° F. cold crank	525	600
	Minutes-reserve capacity	90	
	Amps/hrs.-20 hr. rate	54	
	Location	Under Hood Front	
Alternator	Manufacturer	Delphi - E	
	Rating (idle/max. rpm)	42/105	
	Ratio (alt. crank/rev.)	2.64:1	
	Output at idle (rpm, park)	38 Amps @ 93°C - 600 RPM	
	Optional (type & rating)	None	
Regulator	Type	Integral To Alternator	

Electrical - Starting System

Motor	Manufacturer	Delco Remy America	
	Current drain _____ °C (°F)	400 Amps	
	Power rating kw (hp)	1.3 kw (1.74 hp.)	
Motor drive	Engagement type	Solenoid Operated Shift Lever	
	Pinion engages from (front, rear)	Front	

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Elect-Direct Ignition (Std) - Cntl Mod w/2 Integral Coils & 1 Remt. Timing Sen	
	Other (specify)	N/A	
Coil	Manufacturer	Delco Remy	
	Model	1104001	
	Current	Engine stopped - A	Less Than 500 ma
Engine idling - A		Less Than One Amp (Average)	
Spark plug	Manufacturer	Champion	
	Model	41-942	
	Thread (mm)	14 mm	
	Tightening torque N-m (lb. ft.)	18 (13)	
	Gap	1.52 (0.060)	
Distributor	Manufacturer	Not Applicable	
	Model	Not Applicable	

Electrical - Suppression

Locations & type	Not Available
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Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Code/Description

2.4 LITER L4 (146 CID)
SEQUENTIAL FUEL INJECTION RPO LD9

Electrical - Supply System

Battery	Manufacturer	Delphi - E
	Model, std., (opt.)	Standard - 19000672
	Voltage	12
	Amps at 0° F. cold crank	600
	Minutes-reserve capacity	90
	Amps/hrs.-20 hr. rate	54
Location		Underhood - Front
Alternator	Manufacturer	Delphi
	Rating (idle/max. rpm)	42/105
	Ratio (alt. crank/rev.)	2.77
	Output at idle (rpm, park)	40 Amps @600 RPM 93°C
Optional (type & rating)		None
Regulator	Type	Integral with Alternator

Electrical - Starting System

Motor	Manufacturer	Delco Remy America
	Current drain _____ °C (°F)	400 Amps
	Power rating kw (hp)	1.6 kw (2.1 hp.)
Motor drive	Engagement type	Solenoid with Positive Shift
	Pinion engages from (front, rear)	Front

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	Electronic Standard	
	Other (specify)	Up Integrated Direct Ignition	
Coil	Manufacturer	Delphi Automotive Systems	
	Model	1104014	
	Current	Engine stopped - A	Less Than 500 mA
		Engine idling - A	Less Than One A
Spark plug	Manufacturer	Delphi Automotive Systems	
	Model	41-9420	
	Thread (mm)	14 mm	
	Tightening torque N-m (lb. ft.)	18.0 (13)	
	Gap	1.5 mm (0.060 in)	
Number per cylinder		One	
Distributor	Manufacturer	N/A	
	Model	N/A	

Electrical - Suppression

Locations & type	
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Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)
 Model Code/Description

Body	ALL
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 Guideflex Or EPP Foam Absorbers For Collision Energy Absorption. Meets 5 MPH Corporate Bumper Labeling Requirements
Anti-corrosion treatment	Metal Body Uses Double Side Galvanized Metal On All Exposed Metal Surfaces. The Paint Shop Process Includes Phosphate, ELPO, Sealers, Anti-Chip, Primers And Topcoat.

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	High Solids Base Coat/Clear Coat Paint System	
Hood	Material & mass	Steel Z24/SMC
	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop Rod - Single Pivot Hinge
	Release control (internal, external)	Internal
Trunk lid	Material & mass	Steel/Sedan 10.5 (.41) Coupe 10.5 (.41)
	Type (counterbalance, other)	Torque Rods On Rods On Coupe And Sedan
	Internal release control (elec., mech., n.a.)	Mechanical (Optional) (A59)
Hatchback lid	Material & mass	N/A
	Type (counterbalance, other)	N/A
	Internal release control (elec., mech., n.a.)	N/A
Tailgate	Material & mass	N/A
	Type (drop, lift, door)	N/A
	Internal release control (elec., mech., n.a.)	N/A
Vent window control (crank, friction, pivot, power)	Front	Not Applicable
	Rear	"
Window regulator type (cable, tape, flex drive, etc.)	Front	Cross Arm
	Rear	Single Arm
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
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Specifications:

Vehicle Line CAVALIER

Model Year 1997

Issued 9-96

Revised (●)

METRIC (U.S. Customary)

Model Code/Description

ALL

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.)		Lap/Shoulder Belt Combination	N/A	Lap/Shoulder Belt Combination
	Standard / Optional	Second seat	Lap/Shoulder Belt Combination	Lap Belt	Lap/Shoulder Belt Combination
		Third seat			
Passive	Type & description (air bag, motorized-2- point belt, fixed belt, knee bolster, manual-lap belt)	First seat	Air Bag/Knee Bolster		Air Bag/Knee Bolster
	Standard / Optional	Second seat			
		Third seat			
Glass		SAE Ref.No.	37	67	69
Windshield glass exposed surface area cm ² (in. ²)		S1	10,940 cm ²	10,940 cm ²	11,400 cm ²
Side glass exposed surface area cm ² (in. ²) - total 2 sides		S2	11,144 cm ²	10,262 cm ²	11,684 cm ²
Backlight glass exposed surface area cm ² (in. ²)		S3	10,650 cm ²	2887 cm ²	8,873 cm ²
Total glass exposed surface area cm ² (in. ²)		S4	32,734 cm ²	24,089 cm ²	31,957 cm ²
Windshield glass (type/thickness)			Curved-Laminated Float 5.4 mm	Curved-Laminated Float 5.4 mm	Curved-Laminated Float 5.4 mm
Side glass (type/thickness)			Curved-Tempered Float QTR WDO 3.5 mm Door Glass 4.0 mm	Curved-Tempered Float QTR WDO 5 mm Door Glass 5 mm	Curved-Laminated Float Door Glass 4.0 mm
Backlight glass (type/thickness)			Curved-Tempered Float 3.5 mm	Curved-Tempered Float 3.5 mm	Curved-Tempered Float 3.5 mm
Tinted (yes/no, location)			All Glass Tinted	All Glass Tinted	All Glass Tinted
Solar control (yes/no, coated/batched, location)					

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Replaceable Bulb - 2 Lamps - 2 Bulbs Each
Shape	Rectangular
Lo-beam type (2A1, 2B1, 2C1, etc.)	HB ₄
Quantity	2 (2 Bulbs per Car)
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	HB ₃
Quantity	2 (2 Bulbs per Car)

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Engine Code/Description

ALL

Climate Control System

Air conditioning (std., opt., man., auto.)		Optional
Condenser	Type	Header Tube And Center
	Eff. face area (sq. mm.)	258,163.2
	Fins per inch	2.5 K
Evaporator	Type	3-5-5 Parallel 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.)	9.2 cu. in. = 151 cc.
	Manufacturer	Delphi Harrison Thermal Systems
	A/C pulley ratio	LD9 1.29:1 LN2 1.24:1
Accumulator	Type	Tapered Full - Size Single "O" Ring R-134a
	Height (mm.)	8" = 206
	Diameter (mm.)	93.5 (Top Shell) 88.8 (Bottom Shell)
Receiver	Type	None
	Height (mm.)	None
	Diameter (mm.)	None
Refrigerant control (CCOT, TVS, etc.)		VDOT
Heater water valve (yes / no)		No
Refrigerant (R - 12, R - 134a, etc.)		R134a
Charge level (lbs. - oz.)		1.50
Cold engine lockout switch (yes / no)		No
Wide open throttle cutout switch (yes / no)		No

Specifications

Vehicle Line CAVALIER

Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description

ALL

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

Clock (digital, analog)		Part Of Radio Package
Compass / thermometer		N/A
Console (floor, overhead)		(D06) Standard
Defroster, electric windshield		N/A
Defroster, electric backlight		(C49) Optional
Electronic	Diagnostic monitor (integrated, individual)	N/A
	Instrument cluster (list instruments)	(UH7) Standard, Speed, Fuel, Temp, Season Odo. (UH8) Optional, Speed, Tach, Fuel, Temp, Season And Trip Odo.
	Keyless entry	(AU0) Optional
	Tripminder (avg. spd., fuel)	N/A
	Voice alert (list items)	N/A
	Other	Key Left In/Head Lights On/Warning - Standard
Fuel door lock (remote, key, electric)		Manual Fuel Door
Integrated Child Seating	Std./opt. & location in vehicle	N/A
	Number of occupants	N/A
	Occupant weight/height (min. & max.)	N/A
	Restraint system description (3 or 5-point belts/booster seat capability)	N/A
Lamps	Auto head on/off delay, dimming	N/A
	Cornering	N/A
	Courtesy (map, reading)	Center Dome Standard; Center Dome/Reading (OPT C95)
	Door lock, ignition	N/A
	Engine compartment	N/A
	Fog	(N/A - Base) STD On JF37
	Glove compartment	Standard
	Trunk	Standard
	Illuminated entry system (list lamps, activation)	Courtesy, Front Door Activated, Theater Dimming - Standard
Other	N/A	
Mirrors	Day / night (auto., man.)	Option (DC4) Is Standard w/CF5
	L.H. (remote, power, heated)	Standard (D35), Optional (DG7), N/A
	R.H. (convex, remote, power, heated)	Standard (D35), Rh Manual, Optional (DG7), N/A
	Visor vanity (RH / LH, illuminated)	Standard No Mirror; No Lamps Standard with Mirror; (Opt. DD2) Standard (DD2) (JF Styles) L & R Side Mirror Covered No Lamps
Navigation system (describe)		N/A
Parking brake-auto release (warning light)		Standard - Manual Release

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Model Code/Description

ALL

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

Power equipment	Deck lid (release, pull down)		(A59) Optional Manual Release (Standard On Uplevel)
	Door locks (manual, automatic, describe system)		Standard Manual Door Lock/Unlock (AU3) Optional Electric
	Seats	2 - 4 - 6 way, etc.	N/A
		Reclining (R.H., L.H.)	N/A
		Memory (R.H., L.H., preset recline)	N/A
		Support (lumbar, hip, thigh, etc.)	N/A
		Heated (R.H., L.H., other)	N/A
	Side windows		(A31) Optional
Vent windows		N/A	
Rear windows		N/A	
Radio systems	Antenna (location, whip, w/shield, power)		(US6) Standard Fixed RH Rear Fender (U74) Antenna Delete Std. on JC
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	(UL5) Radio Delete Std. On Base Coupe/Sedan Only (UM7) AM/FM Stereo, Seek/Scan, Clock & Compact Disc
	Optional		(ULO) AM/FM Stereo, Seek/Scan, Auto Rev, Music Search Cass., Auto tone, Clock ETR (UM6) AM/FM Stereo, Seek/Scan, Clock, ETR & Cassette (UN0) AM/FM Stereo, Seek/Scan, CD, Auto Tone, Clock, ETR
	Speaker (number, location)		(U79) Optional 4 Speaker - 2 RR shelf, Coax/door (UQ9) Speaker Delete (Std. On JC) (UX7) Standard 4, Dual Front Door Mtd. Dual Rear Shelf (Std. JF Only)
Roof: open air or fixed (flip-up, sliding, "T")			(CF5) Optional Power Sunroof; Spoiler type
Speed control device			(K34) Optional
Speed warning device (light, buzzer, etc.)			N/A
Tachometer (rpm)			(UH8) Standard JF
Telephone system (describe)			N/A
Theft deterrent system			Standard on all models - Pass Lock

Trailer Towing

Towing capable	Yes / No	Yes
Engine / transmission / axle	Std. / Opt.	LD9 Option w/ MN4 4 Speed Automatic
Tow class (I, II, III)*	Std. / Opt.	
Max. gross trailer wgt. (lbs.)	Std / Opt.	1000 lbs
Max. trailer tongue load (lbs.)	Std. / Opt.	100 lbs
Towing package available	Yes / No	No

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

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

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

Model Code/Description	SAE Ref. No.	COUPE	SEDAN	CONVERTIBLE
Width				
Tread (front)	W101	1462 (57.6)		
Tread (rear)	W102	1432 (56.4)	1439 (26.7)	1438 (56.6)
Vehicle width	W103	1744 (68.7)	1725 (67.9)	1744 (68.7)
Body width at SgRP (front)	W117	1712 (67.4)	1710 (67.3)	1712 (67.4)
Vehicle width (front doors open)	W120	3844 (151.3)	3247 (127.8)	3844 (151.3)
Vehicle width (rear doors open)	W121	N/A	3520 (138.6)	N/A
Tumble-home (degrees)	W122	26.5°	29.0°	27.0°
Outside mirror width	W410	1916 (75.4)	1916 (75.4)	1922 (75.7)

Length				
Wheelbase	L101	2644 (104.1)	2644 (104.1)	2644 (104.1)
Vehicle length	L103	4590 (180.7)	4590 (180.7)	4590 (180.7)
Overhang (front)	L104	982 (38.7)	982 (38.7)	982 (38.7)
Overhang (rear)	L105	960 (38.0)	965 (38.0)	965 (38.0)
Upper structure length	L123	2869 (113.0)	2869 (113.0)	2869 (113.0)
Rear Wheel C/L "X" coordinate	L127	4410 (173.6)	4410 (173.6)	4410 (173.6)

Height **				
Passenger distribution (front/rear)	PD1 .2,3			2/3**
Trunk/cargo load				**
Vehicle height	H101	1347 (53.0)	1389 (54.7)	1365 (53.7)
Cowl point to ground	H114	914 (36.0)	919 (36.2)	919 (36.0)
Deck point to ground	H138	1027 (40.4)	1013 (40.0)	1018 (40.1)
Rocker panel-front to ground	H112	216 (8.5)	212 (8.3)	216 (8.5)
Rocker panel-rear to ground	H111	218 (8.6)	218 (8.6)	218 (8.6)
Windshield slope angle (degrees)	H122	63.0°	61.5°	63.0°
Backlight slope angle (degrees)	H121	71.0°	63.0°	67.0°

Ground Clearance **				
Front bumper to ground	H102	245.4 (9.7)	265.1 (10.4)	244.5 (9.6)
Rear bumper to ground	H104	322.7 (12.7)	314.0 (12.4)	322.6 (12.7)
Bumper to ground front at curb mass (wt.)	H103	256.6 (10.1)	256.6 (10.1)	256.6 (10.1)
Bumper to ground rear at curb mass (wt.)	H105	341.8 (13.5)	341.8 (13.5)	341.8 (13.5)
Angle of approach (degrees)	H106	13.5°		
Angle of departure (degrees)	H107	15.5°		
Ramp breakover angle (degrees)	H147	13°		
Axle differential to ground (front/rear)	H153	N/A		
Min. running ground clearance	H156	146 (5.7)	146 (5.7)	146 (5.7)
Location of min. running ground 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 occupant

Specifications

Vehicle Line **CAVALIER**

Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description

COUPE

SEDAN

CONVERTIBLE

Front Compartment

SAE
Ref.
No.

SgRP front, "X" coordinate	L31	3150 (124.0)	3150 (124.0)	3150 (12.4)
Effective head room	H61	956 (37.6)	989 (38.9)	968 (38.1)
Max. effective leg room (accelerator)	L34	1066 (41.9)	1066 (41.9)	1070 (42.1)
SgRP to heel point	H30	247 (9.7)	247 (9.7)	242 (9.5)
SgRP to heel point	L53	861 (33.9)	861 (33.9)	868 (34.2)
Back angle (degrees)	L40	25.5°	25.5°	25.5°
Hip angle (degrees)	L42	97.0°	97.0°	97.0°
Knee angle (degrees)	L44	125.5°	125.5°	126.0°
Foot angle (degrees)	L46	87.0°	87.0°	87.0°
Design H-point front travel	L17	208 (8.2)	208 (8.2)	208 (8.2)
Normal driving & riding seat track trvl.	L23	188 (7.4)	188 (7.4)	188 (7.4)
Shoulder room	W3	1368 (53.9)	1387 (54.6)	1368 (53.9)
Hip room	W5	1270 (50)	1290 (50.8)	1270 (50)
Upper body opening to ground	H50	1233 (48.5)	1268 (50.0)	1239 (48.8)
Steering wheel maximum diameter*	W9	375 (14.8)	375 (14.8)	375 (14.8)
Steering wheel angle (degrees)	H18	20.7°	20.7°	20.7°
Accel. heel pt. to steer. whl. cntr.	L11	478.1 (18.8)	478.1 (18.8)	488.7 (19.2)
Accel. heel pt. to steer. whl. cntr.	H17	634.3 (24.9)	634.3 (24.9)	627.2 (24.7)
Undepressed floor covering thickness	H67	13 (.51)	15 (.59)	21 (.83)

Front Compartment Interior Dimensions are Measured with the Seating Reference Point (SgRP) _____ mm forward and _____ mm Upward of Rearmost Position.

Rear Compartment

SgRP point couple distance	L50	731 (28.8)	767 (30.2)	731 (28.8)
Effective head room	H63	929 (36.6)	946 (37.2)	955 (37.6)
Min. effective leg room	L51	831 (32.7)	873 (34.4)	829 (32.6)
SgRP (second to heel)	H31	253 (9.9)	268 (10.6)	249 (9.8)
Knee clearance	L48	1 (.04)	22 (.87)	2 (.08)
Shoulder room	W4	1394 (54.9)	1370 (53.9)	1196 (47.1)
Hip room	W6	1258 (49.5)	1285 (50.6)	1214 (47.8)
Upper body opening to ground	H51	N/A	1289 (50.8)	N/A
Back angle (degrees)	L41	28.0°	28.0°	28.0°
Hip angle (degrees)	L43	81.0°	85.0°	80.5°
Knee angle (degrees)	L45	78.0°	85.0°	78.0°
Foot angle (degrees)	L47	118.5°	121.5°	120.0°
Depressed floor covering thickness	H73	21 (.83)	22 (.87)	26 (1.02)

Luggage Compartment

Usable luggage capacity L (cu. ft.)	V1	379 (13.20 cu. ft.)	385 (13.6 cu. ft.)	297 (10.5 cu. ft.)
Liftover height	H195	664 (26.1)	665 (26.2)	667 (26.3)

Interior Volumes (EPA Classification)

Vehicle class	Compact	Compact	Subcompact
Interior volume index including trunk/cargo (cu. ft.)**	100.34	105.1	93.3
Trunk/cargo index (cu. ft.)	13.20 cu.ft.	13.6 cu. ft.	10.5 cu. ft.

* See page 14.

** See definition page 33.

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

*** EPA Loaded Vehicle Weight, Loading Conditions

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (#) _____

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description

2 DOOR NOTCHBACK

Station Wagon/MPV*
 -Third Seat

SAE
 Ref.
 No. (NOT APPLICABLE)

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

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

Cargo length (open front)	L200	
Cargo length (open second)	L201	
Cargo length (closed front)	L202	
Cargo length (closed second)	L203	
Cargo length at belt (front)	L204	
Cargo length at belt (second)	L205	
Cargo width (wheelhouse)	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Min. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index m ³ (ft. ³)	V2	
Hidden cargo volume index m ³ (ft. ³)	V4	
Cargo volume index-rear of 2-seat	V10	
Cargo volume index*	V6	
Cargo width at floor*	W500	
Maximum cargo height*	H505	

Hatchback - Cargo Space (NOT APPLICABLE)

Cargo length at front seatback height	L208	
Cargo length at floor (front)	L209	
Cargo length at second seatback height	L210	
Cargo length at floor (second)	L211	
Front seatback to load floor height	H197	
Second seatback to load floor height	H198	
Cargo volume index m ³ (ft. ³)	V3	
Hidden cargo volume index m ³ (ft. ³)	V4	
Cargo volume index - rear of 2-seat	V11	

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

* MPV - Multipurpose Vehicle

** EPA Loaded Vehicle Weight, Loading Conditions

Specifications

Vehicle Line CAVALIER
 Model Year 1997 Issued 9-96 Revised (●) _____

METRIC (U.S. Customary)

Model Code/
Description

COUPE	SEDAN	CONVERTIBLE
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Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location			
Front	X - Fiducial mark to vertical zero grid line - front measured horizontally, from the zero grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt. Y - Fiducial mark to centerline of car - front, width measurement made from centerline car to fiducial mark located on top of the front seat adjuster mounting bolt. Z - Fiducial mark to horizontal zero grid line - front, measured vertically from zero grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.			
Rear	X - Fiducial mark to vertical zero grid line - rear, measured horizontally from the zero grid line to rear fiducial mark located on the rail (compartment pan - longitudinal.) Y - Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on the rail (compartment pan - longitudinal.) Z - Fiducial mark to horizontal zero grid line - rear, measured vertically from the zero grid line to rear fiducial mark located on the rail (compartment pan - longitudinal.)			
NOTE: Provide 3 of 4 Fiducial Mark Locations				
Front	W21**	505 (19.9)	505 (19.9)	505 (19.9)
	L54**	2761 (108.7)	2761 (108.7)	2761 (108.7)
	H81**	251 (9.9)	251 (9.9)	251 (9.9)
	H161**	293.5 (11.6)	293.5 (11.6)	293.5 (11.6)
	H163**	275.6 (10.6)	275.6 (10.6)	275.6 (10.6)
Rear	W22**	440 (17.3)	440 (17.3)	440 (17.3)
	L55**	4953 (195)	4953 (195)	4953 (195)
	H82**	363 (14.3)	363 (14.3)	364 (14.3)
	H162**	417.6 (16.4)	417.6 (16.4)	417.6 (16.4)
	H164**	391.5 (15.4)	391.5 (15.4)	391.5 (15.4)

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

Specifications
METRIC (U.S. Customary)

Vehicle Line **CAVALIER**
 Model Year **1997** Issued **9-96** Revised (●)

Code	Model	VEHICLE MASS (WEIGHT)				Shipping Mass kg (lb)***	ETWC* Code	% PASS MASS DISTRIBUTION												
		CURB MASS, kg. (lb.)*			Pass in Front			Pass in Rear	Pass in Front		Pass in Rear									
		Front	Rear	Total					Front	Rear	Front	Rear								
CAVALIER																				
1JC37	2-Door Notchback Coupe	749 (1651)	423 (933)	1172 (2584)	1138 (2509)	Q														
1JC69	4-Door Notchback Sedan	755 (1664)	438 (966)	1193 (2630)	1160 (2557)	Q														
1JF67	2-Door Convertible	827 (1823)	488 (1076)	1315 (2899)	1282 (2826)	S														
1JF37	2-Door Notchback Coupe	812 (1790)	435 (959)	1247 (2749)	1213 (2674)	R														
1JF69	4-Door Notchback Sedan	792 (1746)	446 (983)	1238 (2729)	1205 (2657)	R														

* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.
 ** ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications.
 Refer to ETWC code legend below for test weight class.
 ETWC LEGEND
 A = 1000 I = 2000 Q = 3000 Y = 4000
 B = 1125 J = 2125 R = 3125 Z = 4250
 C = 1250 K = 2250 S = 3250 AA = 4500
 D = 1375 L = 2375 T = 3375 BB = 4750
 E = 1500 M = 2500 U = 3500 CC = 5000
 F = 1625 N = 2625 V = 3625 DD = 5250
 G = 1750 O = 2750 W = 3750 EE = 5500
 H = 1875 P = 2875 X = 3875 FF = 5750
 ***Shipping Mass (Weight) = Curb Weight Less:
 33.8 kgs.

Specifications
METRIC (U.S. Customary)

Vehicle Line CAVALIER
Model Year 1997 Issued 9-96 Revised (#) _____

Code	Equipment	Optional Equipment Differential Mass (weight)*			Remarks Restrictions, Requirements
		MASS, kg. (lb.)			
		Front	Rear	Total	
A31	Power Windows	.9 (2.0)	.6 (1.3)	1.5 (3.3)	Coupe
AF5	Seat Adj.	0.4 (0.9)	0.2 (0.4)	0.6 (1.3)	
A31	Power Windows	2.5 (5.5)	1.5 (3.3)	4.0 (8.8)	Sedan
B37	Mats, Front & Rear	1.6 (3.5)	1.2 (2.6)	2.8 (6.2)	
C49	Defogger (Rear)	0.0 (0.0)	.1 (.2)	.1 (.2)	
CF5	Elect. Sunroof	6.6 (14.5)	6.6 (14.5)	13.2 (29.0)	
A59	Remote Trunk Lock	.1 (.2)	.2 (.4)	.3 (.6)	
C60	Air Conditioning	15.0 (33.0)	0.0 (0.0)	15.0 (33.0)	
B84	Body Side Mldg.	1.0 (2.2)	1.2 (2.7)	2.2 (4.9)	
K34	Cruise Control	1.5 (2.2)	.0 (.0)	1.5 (2.2)	
CD4	Pulse Wiper	.2 (.4)	0 (0)	.2 (.4)	
DD2	Covered Sunshade	.2 (.4)	0 (0)	.2 (.4)	
KO5	Engine Block Heater	.4 (.9)	0 (.9)	.4 (.9)	
MD9	3 Speed Auto. Trans.	33.0 (72.8)	-1.5 (-3.3)	31.5 (69.4)	
MJ1	Manual Trans.	-36.9 (-81.3)	2.0 (4.4)	-34.9 (-76.9)	1JF67 - 69
N33	Tilt Steering Wheel	1.2 (2.6)	.7 (1.5)	1.9 (4.1)	

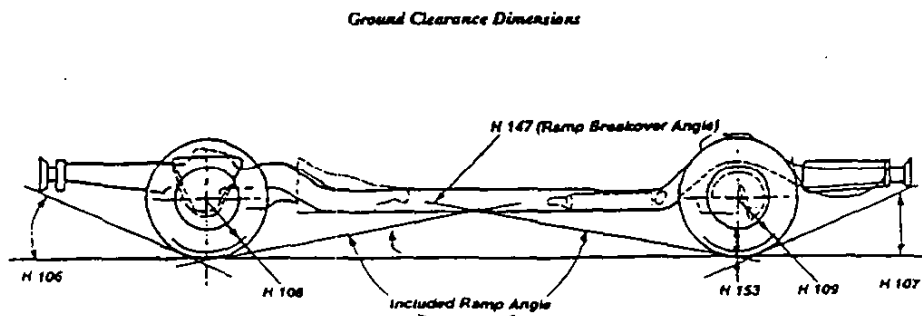
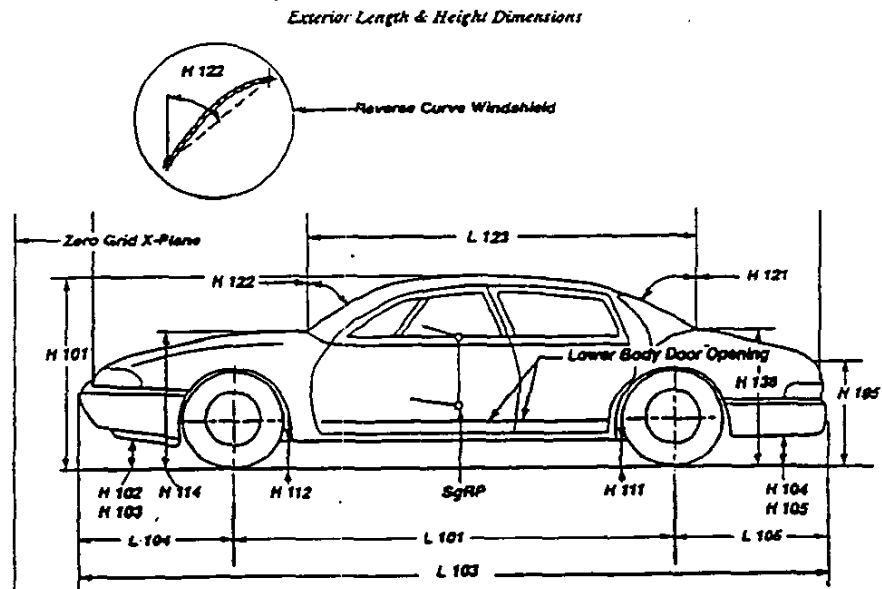
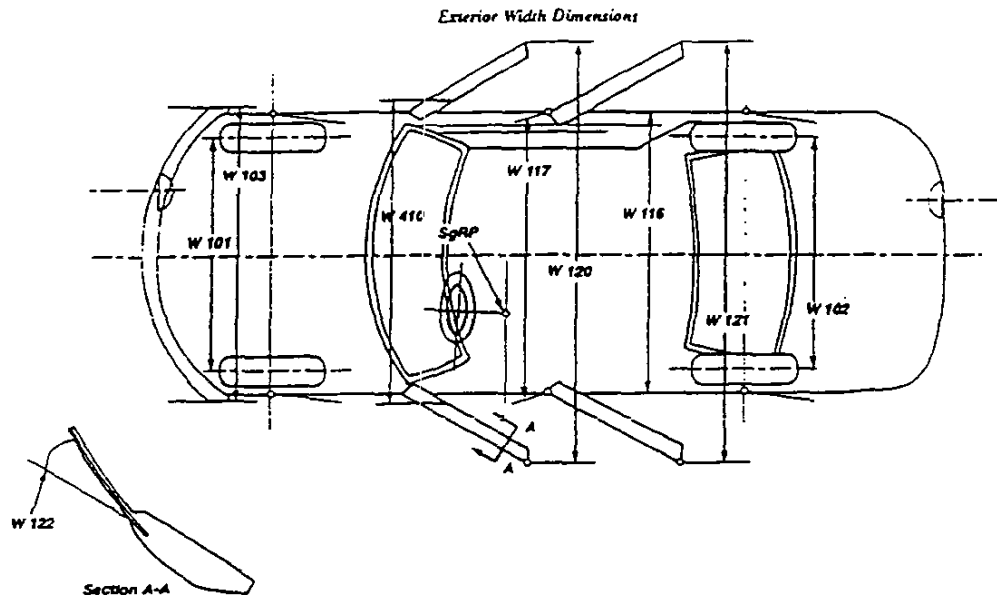
* Also see Engine - General Section for dressed engine mass (weight.)

Code	Equipment	Optional Equipment Differential Mass (weight)*			Remarks Restrictions, Requirements
		MASS, kg. (lb.)			
		Front	Rear	Total	
QPD	15" Tire	2.2 (4.8)	2.2 (4.8)	4.4 (9.6)	1JC37 - 69
QPD	15" Tire	-1.6 (-3.5)	-1.6 (-3.5)	-3.2 (-7.1)	1JF37
DG7	Mirror	0.8 (1.8)	0.0 (0.0)	0.8 (1.8)	
MN4	Auto Trans. 4 Speed	41.4 (91.3)	-2.0 (-4.4)	39.4 (86.9)	1JC00
MN4		37.1 (81.8)	-1.7 (-3.7)	35.4 (78.0)	1JF37
PF7	15" Wheel	-1.2 (-2.6)	-1.2 (-2.6)	-2.4 (-5.7)	1JC00
UM6	Radio - Cass	1.8 (4.0)	.2 (.4)	2.0 (4.4)	1JC00
PG1	15" Wheel	1.7 (3.7)	1.7 (3.7)	3.4 (7.4)	1JC00
UM7	Radio	1.2 (2.6)	0.0 (0.0)	1.2 (2.6)	1JC00
UNO	Radio Seek/Scan C.D.	2.0 (4.4)	.2 (.4)	2.2 (4.8)	1JC00
UX7	Speakers	.8 1.8	0.0 0	.8 1.8	1JC00
VH4	Mud Flaps	.2 (.4)	.2 (.4)	.4 (.8)	
VK3	Lic Plate Mount	0.1 (.2)	0.1 (.2)	0.2 (.4)	
W27	Appearance Pkg.	0.3 (0.7)	0.2 (0.4)	0.5 (1.1)	
AU3	Power Locks	0.4 (0.9)	0 (0)	0.4 (0.9)	Coupe
AU3	Power Locks	0.8 (1.8)	.2 (0.4)	1.0 (2.2)	Sedan
PF7	15" Wheel	-2.8 (6.2)	-2.8 (6.2)	-5.6 (12.4)	JF67-69

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

Specifications METRIC

Exterior Vehicle And Body Dimensions - Key Sheet

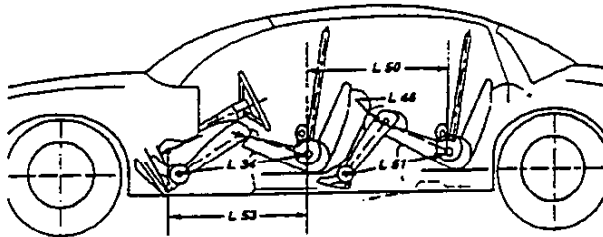


Specifications

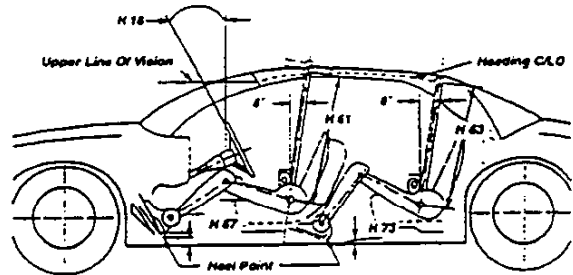
METRIC

Interior Vehicle And Body Dimensions - Key Sheet

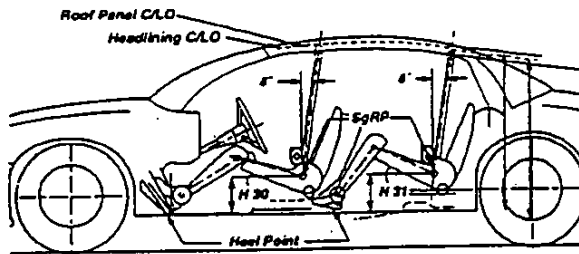
Interior Length Dimensions



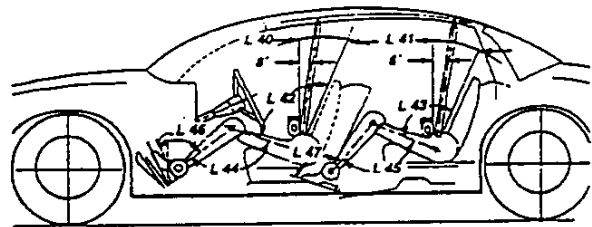
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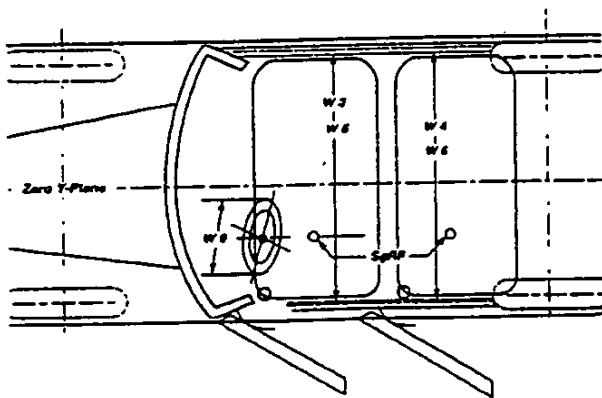
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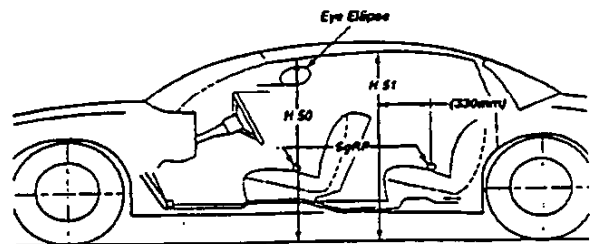
Interior Length Dimensions



Interior Width Dimensions



Interior Height Dimensions

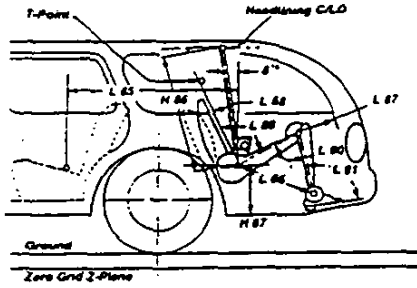


Specifications

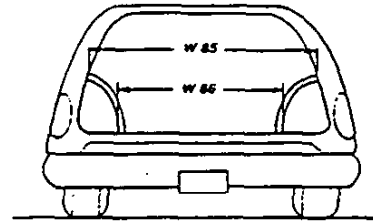
METRIC

Interior Vehicle And Body Dimensions - Key Sheet

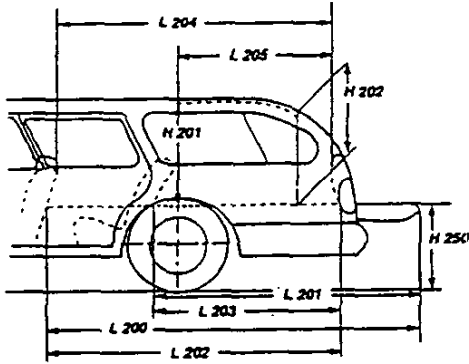
Interior Dimensions, Station Wagon Third Seat



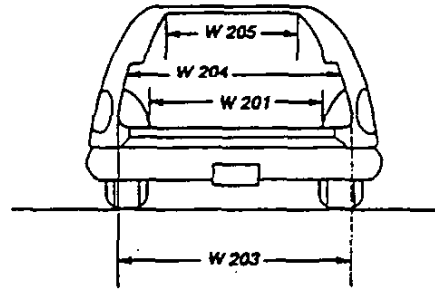
Interior Dimensions



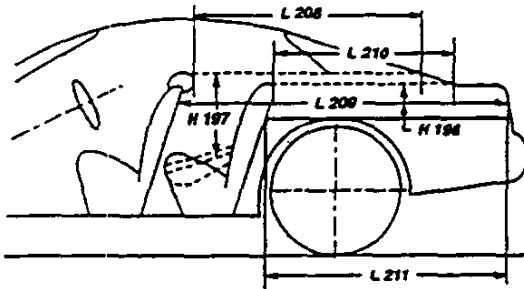
Cargo Space Dimensions



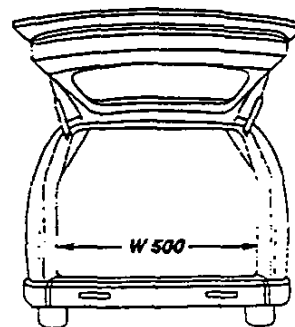
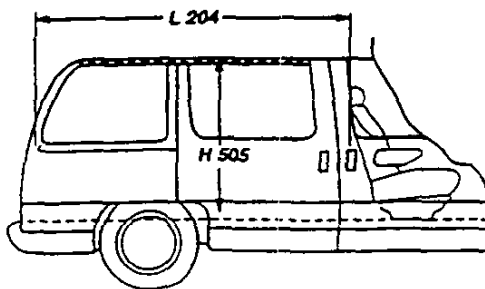
Cargo Space Dimensions



Cargo Space Dimensions



Multipurpose Vehicle Cargo Space



Specifications

METRIC

Exterior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

Seating Reference Point

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

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

Width Dimensions

- W101 TREAD-FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD-REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W117 BODY WIDTH AT SgRP-FRONT. The dimension measured laterally between the widest points on the body at the SGRP-front, excluding door handles, applied moldings, or appliques.
- W120 VEHICLE WIDTH-FRONT DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position.
- W121 VEHICLE WIDTH-REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.
- W122 TUMBLE-HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.
- W410 OUTSIDE MIRROR WIDTH: The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" plane.

Length Dimensions

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

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

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H111 ROCKER PANEL-REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
- H112 ROCKER PANEL-FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- HT21 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.
- H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield arc running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in.) long drawn from the lower DLO to the intersecting point on the windshield.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H109 STATICLOAD-TIRE RADIUS-REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

Ground Clearance Dimensions

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

Specifications

METRIC

Interior Vehicle And Body Dimensions - Key Sheet

Dimensions Definitions

Glass Areas

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

Fiducial Mark Dimensions

Fiducial Mark - Number 1

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

Fiducial Mark - Number 2

L55	"X" coordinate.
W22	"Y" coordinate.
H82	"Z" coordinate.
H162	Height "Z" coordinate to ground at curb weight.
H164	Height "Z" coordinate to ground.

Front Compartment Dimensions

L11	ACCELERATOR WHEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.
L17	DESIGN-H-POINT-FRONT TRAVEL. The dimension measured horizontally between the design H-point-front in the foremost and rearmost seat track positions. (See SAE J1100)
L23	NORMAL DRIVING AND RIDING SEAT TRACK TRAVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100).
L31	SgRP-Front. "X" Coordinated.
L34	MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP-front plus 254 mm (10.0 in.) measured with right foot on the underdepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.
L40	BACK ANGLE-FRONT. The angle measured between a vertical line through the SgRP-front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.
L42	HIP ANGLE-FRONT. The angle measured between torso line and thigh centerline.
L44	KNEE ANGLE-FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.
L46	FOOT ANGLE-FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826.
L53	SgRP-FRONT TO HEEL. The dimension measured horizontally from the SgRP-front to the accelerator heel point.
W3	SHOULDER ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP-front at height between the belt line and 254 mm (10.0 in.) above the SgRP-front, excluding the door assist strap and attaching parts.

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

Rear Compartment Dimensions

L41	BACK ANGLE-SECOND. The angle measured between a vertical line through the SgRP-second and the torso line.
L43	HIP ANGLE-SECOND. The angle measured between torso line and thigh centerline.
L45	KNEE ANGLE-SECOND. The angle measured between thigh centerline and lower leg centerline.
L47	FOOT ANGLE-SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).
L48	KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in.).
L50	SgRP COUPLE DISTANCE-SECOND. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.
L51	MINIMUM EFFECTIVE LEG ROOM-SECOND. The dimension measured along a line from the ankle pivot center to the SgRP-second plus 254 mm (10.0 in.).
W4	SHOULDER ROOM-SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP-second at height between 254-406 mm (10.0-16.0 in.) above the SgRP-second, excluding the door assist straps and attaching parts.
W6	HIP ROOM-SECOND. Measured in the same manner as W5.
H31	SgRP-SECOND TO HEEL. The dimension measured vertically from the SgRP-second to the two dimensional device heel point on the depressed floor covering.
H51	UPPER BODY OPENING TO GROUND-SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP-second.
H63	EFFECTIVE HEAD ROOM-SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).
H73	FLOOR COVERING-DEPRESSED-SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.

Specifications

METRIC

Interior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

Luggage Compartment Dimensions

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

Interior Volumes (EPA Classification)

The Interior Index is listed for each body style except two seaters. The Interior Volume Index estimates the space in a car. It is based on four measurements - head room, shoulder room, hip room, and leg room - for the front and rear seats, plus trunk capacity.

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

Station Wagon/MPV - Third Seat Dimensions

L85 SgRP COUPLE DISTANCE-THIRD. The dimension measured horizontally from the SgRP-second to the SgRP-third.
L86 EFFECTIVE LEG ROOM-THIRD. The dimension measured along a line from the ankle pivot center to the SgRP-third plus 254 mm (10.0 in.).
L87 KNEE CLEARANCE-THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51 mm (2.0 in.). With rear-facing third seat, dimension is measured to closure.
L88 BACK ANGLE-THIRD. Measured in the same manner as L41.
L89 HIP ANGLE-THIRD. Measured in the same manner as L43.
L90 KNEE ANGLE-THIRD. Measured in the same manner as L45.
L91 FOOT ANGLE-THIRD. Measured in the same manner as L47.
W85 SHOULDER ROOM-THIRD. Measured in the same manner as W4.
W86 HIP ROOM-THIRD. Measured in the same manner as W5.
H86 EFFECTIVE HEAD ROOM-THIRD. The dimension, measured along a line 8 deg. from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
H87 SgRP-THIRD TO HEEL POINT
SD1 SEAT FACING DIRECTION-THIRD.

Station Wagon/MPV - Cargo Space Dimensions

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

L202 CARGO LENGTH-CLOSED-FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
L203 CARGO LENGTH-CLOSED-SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
L204 CARGO LENGTH AT BELT-FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel at the height of the belt, on the zero "Y" plane.
L205 CARGO LENGTH AT BELT-SECOND. The minimum dimension measured horizontally from the back of the second seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.
W201 CARGO WIDTH-WHEELHOUSE. The minimum dimension measured laterally between the trimmed 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.

Specifications

METRIC

Interior Vehicle And Body Dimensions - Key Sheet

Dimensions Definitions

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

Hatchback - Cargo Space Dimensions

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

Specifications

METRIC

Index

Subject	Page No.	Subject	Page No.
Alternator	16	Origin	1
Axle, Drive, Front, Rear, All Four	2, 9, 10	Passenger Capacity	1
Axle Shafts	10	Passenger Mass Distribution	26
Battery	16	Pistons	3
Body and Miscellaneous Information	17	Power Brakes	12
Brakes-Parking Service	12, 13	Power Engine	2
Camber	15	Power Steering	14
Camshaft	3	Power Teams	2
Capacities		Propeller Shaft	10
Cooling System	5	Pumps-Fuel	6
Fuel Tank	6	Water	5
Lubricants		Radiator-Cap, Hoses, Core	5
Engine Crankcase	4	Ratios-Axle, Transaxle	2,9,10
Transmission/Transaxle	8,9	Compression	2
Rear Axle	10	Steering	14
Carburetor	2,6	Transmission/Transaxle	2,8,9
Caster	15	Rear Axle	2,10
Climate Control System	19	Regulator-Alternator	16
Clutch-Pedal Operated	8	Restraint System	18
Coil, Ignition	16	Rims	13
Connecting Rods	4	Rods-Connecting	4
Convenience Equipment	20-21	Scrub Radius	14
Cooling System	5	Seats	17
Crankshaft	4	Shock Absorbers, Front & Rear	11
Cylinders and Cylinder Head	3	Spark Plugs	16
Diesel Information	4	Speedometer	15
Dimension Definitions		Springs-Front & Rear Suspension	11
Key Sheet-Exterior	28,31,32	Stabilizer (Sway Bar)-Front & Rear	11
Key Sheet-Interior	29,30,32,33,34	Starting System	16
Electrical System	15,16	Steering	14
Emission Controls	7	Suppression-Ignition, Radio	16
Engine-General		Suspension-Front & Rear	11
Bore, Stroke, Type	3	Tail Pipe	7
Compression Ratio	2	Theft Protection	21
Displacement	2,3	Thermostat, Cooling	5
Firing Order, Cylinder Numbering	3	Tires	13
General Information, Power & Torque	2	Toe-In	15
Intake System	4	Torque Converter	9
Power Teams	2	Torque-Engine	2,8,9
Exhaust System	7	Trailer Towing	21
Equipment Availability, Convenience	20	Transaxle	9
Fan, Cooling	5	Transmission-Types	2,8,9
Filters - Engine Oil, Fuel System	4	Transmission-Automatic	2,9
Four Wheel Drive	10	Transmission-Manual	2,8
Frame	17	Transmission-Ratios	2,8,9
Front Suspension	11	Tread	22
Front Wheel Drive Unit	10	Trunk Cargo Load	1
Fuel Economy, EPA	1	Trunk Luggage capacity	23
Fuel Injection	6	Turning Diameter	14
Fuel System	6	Unitized Construction	18
Fuel Tank	6	Universal Joints, Propeller Shaft	10
Glass	18	Valve System	4
Headlamps	18	Vehicle Dimensions	
Headroom-Body	23,24	Width	22
Heights	22	Length	22
Horns	15	Height	22
Horsepower-Brake	2	Ground Clearance	22
Ignition System	16	Front Compartment	23
Inflation-Tires	13	Rear Compartment	23
Interior Volumes	23	Luggage Compartment	23
Instruments	15	Station Wagon-Third Seat	24
Legroom	23,24	Station Wagon-Cargo Space	24
Lengths	22	Hatchback-Cargo Space	24
Leveling,Suspension	11	Fiducial Marks	25
Lifters, Valve	4	Voltage Regulator	16
Linings-Clutch, Brake	8,12	Water Pump	5
Lubrication-Engine Transmission/Transaxle	4,8,9	Weights	26,27
Luggage Compartment	23	Wheel Alignment	15
Models	1	Wheelbase	22
Motor Starting	16	Wheels & Tires	13
Muffler	7	Wheel Spindle	14
		Widths	22
		Windshield	18
		Windshield Wiper and Washer	15





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1997 CAVALIER: NEWS INSIDE AND OUT ... PLUS A NEW RALLY SPORT COUPE

Warren, Mich. — It's been an incredible ride for Chevrolet Cavalier since the new model was introduced in 1995. Month after month, sales have climbed steadily for the new-generation Cavalier.

Chevrolet looks for the trend to continue for 1997, as Cavalier welcomes another member to its already impressive lineup — Cavalier Rally Sport Coupe. More commonly referred to as "RS," this Sport Coupe is designed to offer a high degree of sporty style while maintaining the affordable reputation of Cavalier.

RS fits nicely between the Cavalier Coupe and Z24. It offers an impressive list of features, including a Z24 spoiler, bodyside moldings, body-color fascias and 15-inch wheel covers, all designed to provide a sporty exterior appearance. Other appearance features include Rally Sport embroidery on front-seat headrests, a special three-dimensional decal on the rear quarter panels and optional five-spoke 15" aluminum wheels. P195/65R-15 Blackwall Touring tires give Cavalier RS road-gripping performance. RS Coupe also sports a standard AM/FM stereo radio for outstanding sound reproduction, a standard tachometer to measure engine rpm, and a resettable trip odometer to record distance.

Exterior color choices for RS Coupe include Bright Aqua Metallic, Black, Green Metallic, Deep Purple Metallic and Bright White. The interior of RS Coupe is available in Graphite. New colors for the rest of the Cavalier lineup for 1997 are Aquamarine Blue Metallic, Medium Opal Blue Metallic and Deep Purple Metallic. They replace Medium Bright Blue Metallic, Hawaiian Orchid Metallic and Raspberry Metallic. On the inside, Light Gray replaces Medium Gray for 1997.

Cavalier Coupe has new 14-inch wheel covers for added flair, and standard front-seat safety belt guide loops (excluding convertibles) for both driver and front passenger. Designed for improved safety belt comfort, these loops are similar to the ones previously introduced on Monte Carlo.

— MORE —

From front to back, the strong value story that has made Cavalier such a popular choice with consumers continues for 1997. The standard 2.2 Liter engine is designed for responsive, economical performance. There is also the spirited 2.4 Liter Twin Cam engine, standard in the sporty Z24 and optional in LS Sedan and LS Convertible. With its unique design, the 2.4 Liter, 16-valve, Twin Cam four-cylinder engine delivers strong performance and acceleration.

An enhanced traction control system is standard with the 4T40-E 4-speed electronically controlled automatic transmission (available on both engines and standard on LS models). Traction control helps Cavalier owners cope with driving in adverse weather conditions. Cavalier has a "progressive ride" system and coil-over-shock rear suspension that allowed GM engineers to tune the chassis to communicate responsive road control to the driver and minimize the road input felt by occupants. A "torque axis" mounting system that reduces engine vibration also contributes to impressive ride quality.

An impressive list of standard safety features for Cavalier includes driver and front-passenger air bags for front-impact protection, four-wheel anti-lock brakes designed to help maintain steering control and minimize wheel lockup on most slippery surfaces, and child security rear-door locks (sedans) that, when activated, prevent the rear doors from being opened from the inside. A standard PassLock theft-deterrent system helps protect Cavalier against theft. This advanced system eliminates the need for a special resistor-equipped ignition key, yet still provides a high level of protection. Cavalier appeals to family-oriented buyers, with thoughtful features like rear-seat safety belt child comfort guides, designed to enhance comfort for children and smaller adults by adjusting the belt away from the face or neck. Also new for 1997 is a series of body and side trim revisions for Cavalier that meet federal dynamic side impact requirements, adding to its comprehensive safety package.

Extended-durability components are designed to ease the budget of Cavalier owners. Cavalier engines feature extended-life coolant good for 5 years or 100,000 miles, whichever comes first (maintenance needs vary with different uses and driving conditions) and platinum-tip spark plugs that have a first scheduled service at 100,000 miles under normal driving conditions. In addition, Dexron III automatic transmission fluid never needs replacement under normal operating conditions.

For 1997, Cavalier continues to be a value leader that delivers dependability, safety, contemporary styling, performance and an unexpected level of standard features.

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1997 CAVALIER BRAND POSITIONING MODELS

General Motors was the first domestic automaker to offer standard Daytime Running Lamps on select U.S. models.

BRAND POSITIONING

Cavalier is for budget-conscious individuals and families who want superior dependability and contemporary styling that is affordable, safe and represents one of the best values in the crucial small car segment. Currently, this segment accounts for approximately 27 percent of the passenger car market.

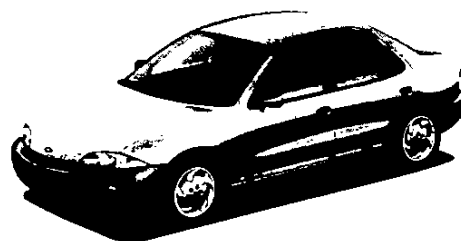
The Cavalier line offers a wide variety of models for customers looking for roominess and convenience at an affordable price.

- Cavalier Coupe offers excellent value for first-time buyers.
- Cavalier Rally Sport Coupe offers increased sportiness at an affordable price.
- Cavalier Z24 Coupe is a good choice for buyers who want a sporty appearance with a high equipment level.
- Families who want 4-door convenience will find Cavalier Sedan and LS Sedan an outstanding value.
- Cavalier LS Convertible makes "fun in the sun" truly affordable.

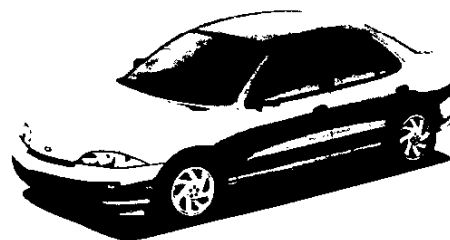
Cavalier offers an impressive list of features for 1997, including a powerful optional engine (standard on Z24), enhanced traction control (standard with the 4T40-E 4-speed electronically controlled automatic transmission), and a distinctive Appearance Package for Cavalier Coupe and Sedan, for enhanced exterior styling.

MODELS

The 1997 Cavalier line features six models:



- Cavalier Sedan: 4-door sedan



- Cavalier LS Sedan: Uplevel 4-door sedan



- Cavalier Coupe: 2-door coupe¹
- Cavalier Rally Sport Coupe: 2-door coupe¹

(Models continued on next page.)

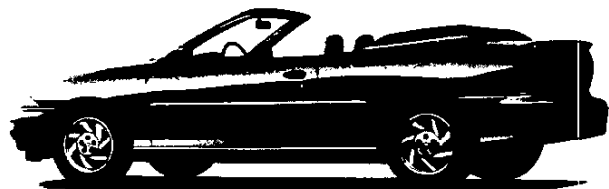
¹ 1996 art shown. 1997 art not available at time of publication. Refer to the Chevrolet Media Online Web site at <http://media.gm.com/chevy> for the most current product photography as well as new product information and highlights.

1997 CAVALIER

MODELS (CONTINUED)



- Cavalier Z24: Sporty 2-door coupe



- Cavalier LS Convertible: 2-door convertible.

Cavalier Rally Sport Coupe offers the same standard features as Cavalier Coupe, plus the following:

- Electronically tuned AM/FM stereo radio
- Tachometer and trip odometer
- P195/65R-15 blackwall Touring tires
- Body-color front and rear fascias
- Color-keyed body-side moldings
- Rear decklid spoiler
- 15-inch bolt-on full wheel covers
- Embroidered "Rally Sport" head restraints
- "Rally Sport" decal on rear quarter panels

Cavalier LS Sedan offers the same standard features as Cavalier Sedan, plus the following:

- Air conditioning
- Luggage-area convenience net
- Dual headliner-mounted reading lamps
- Electronically tuned AM/FM stereo
- Tachometer and trip odometer
- Mechanical remote trunk release
- P195/65R-15 blackwall Touring tires
- Electronically controlled 4-speed automatic transmission with enhanced traction control
- Passenger assist handles at all outboard passenger seating positions
- Floor mats
- Dual covered visor mirrors with map straps
- Body color front and rear fascias
- Color-keyed body-side moldings
- Front mud guards
- 15-inch bolt-on full wheel covers

Cavalier LS Convertible offers the same standard features as LS Sedan, plus the following:

- Rearview mirror-mounted dual reading lamps
- Easy-entry passenger seat adjuster
- Rear decklid spoiler



1997 CAVALIER

MODELS (CONTINUED)
1996 AWARD HIGHLIGHTS
COMPETITORS

Cavalier Z24 Coupe offers the same standard features as Cavalier Coupe, plus the following:

- Air conditioning
- Luggage-area convenience net
- AM/FM stereo with cassette player
- Tachometer and trip odometer
- Dual headliner-mounted reading lamps
- Tilt-Wheel™ Adjustable Steering Column
- Mechanical remote trunk release
- P205/55R-16 blackwall Touring tires
- 2.4 Liter Twin Cam engine
- Front-passenger assist handle
- Floor mats
- Dual covered visor mirrors with map straps
- Easy-entry passenger seat
- Body-color front and rear fascias
- Foglamps
- Color-keyed body-side moldings
- Rear decklid spoiler
- 16-inch cast-aluminum wheels

1996 AWARD HIGHLIGHTS

During the 1996 model year, Cavalier won the following awards:

- A "Best Buy" Recommendation — *Consumers Digest*
- Car of the Year — National Association of Hispanic Publications
- Car of the Year — *Milautos Magazine* (Chile)
- Best Small Car — 1996 *MotorWeek* Drivers' Choice Award.

COMPETITORS

Chevrolet Cavalier competes in the small car segment, which is the second-largest segment in the passenger car market (25% of industry volume for 1995 with 1.7 million units).

Cavalier Sedan and Coupe chief competitors in the small car segment are:

- Ford Escort
- Plymouth/Dodge Neon
- Honda Civic
- Toyota Corolla.

Chief competitors for Cavalier Z24 Coupe include:

- Ford Escort GT
- Dodge Neon Sport Coupe.
- Ford Probe

1997 CAVALIER

DEMOGRAPHICS
WHAT'S NEW FOR '97
CHEVROLET MEDIA ONLINE



DEMOGRAPHICS

- Median age of coupe buyers is 29 years
- Median age of sedan buyers is 39 years
- Median age of convertible buyers is 42 years
- Median household income of \$40,000 for coupe buyers
- Median household income above \$40,000 for sedan buyers
- Median household income of \$65,000 for convertible buyers
- 66% of coupe buyers are female
- 65% of sedan buyers are female
- Education: High school and some college
- Coupe buyers tend to be young and are often first-time buyers
- Sedan buyers tend to be older and more likely to be married
- Z24 and convertible buyers are young and slightly more affluent.



WHAT'S NEW FOR '97

INTERIOR

- Light Gray interior color
- Safety belt guide loops added to coupes (excluding LS Convertible models) for improved comfort

EXTERIOR

- Rally Sport Coupe model
- Paint colors (Aquamarine Blue Metallic, Medium Opal Blue Metallic and Deep Purple Metallic)
- 14-inch wheel cover design for Cavalier Coupe

- Body-color grille insert on Cavalier Coupe and Sedan with optional Exterior Appearance Package
- Easy-open gas cap
- Molded-in-color fascias on white and black Cavalier Coupe and Sedan with optional Exterior Appearance Package
- Meets federal dynamic side-impact requirements.

PERFORMANCE

- Enhanced Evaporative Emissions Control System.

CHEVROLET MEDIA ONLINE

([HTTP://MEDIA.GM.COM/CHEVY](http://media.gm.com/chevy))

Chevrolet Media Online is an exclusive Web site for journalists to learn about Chevrolet/Geo. It contains everything included in the 1997 Product Information Guide, plus a wide range of other useful information, such as the latest press releases, photography, line art, motorsports activities, detailed Chevrolet history, and bios of the Chevrolet Communications staff. The major advantage of Chevrolet Media Online is that updates occur whenever new material from Chevrolet Communications is issued.

Chevrolet Media Online was designed to offer quick access to exclusive information about Chevrolet and its products. To ensure that only authorized journalists have access to Chevrolet Media Online, a user I.D. and password are required to enter. To apply for a password, please call the General Motors Media Online offices at 1-800-875-7562.



SAFETY

General Motors is a world leader in automotive safety research, development and testing. All GM vehicles, including the 1997 Cavalier, benefit from this expertise.

State-of-the-art safety features are high on the list of customer desires in the small car segment. The 1997 Chevrolet Cavalier meets this need with a systematic approach to safety that emphasizes crash avoidance and minimizes the consequences of unavoidable collisions.

CRASH AVOIDANCE FEATURES

- Automatic Daytime Running Lamps (DRL) cause the headlamps to automatically come on at low intensity when the ignition is turned on, increasing visibility of Cavalier to other drivers.
- Standard 4-wheel anti-lock brake system helps maintain steering control and minimizes wheel lockup on most slippery surfaces
- Predictable, responsive handling provided by a rigid body structure and a tuned suspension
- Standard child security rear-door locks, when activated, prevent rear-seat passengers from inadvertently opening the rear doors from the inside
- Sloping hood design and large glass area provide good visibility
- Brake/transmission shift interlock (automatic transmission) prevents vehicle from being shifted out of Park without depressing the brake pedal
- Starter interlock switch (manual transmission) prevents the starter from engaging unless the clutch pedal is depressed
- Enhanced Traction Control (standard when optional 4-speed automatic transmission is chosen) helps drivers navigate adverse road conditions.

OCCUPANT PROTECTION FEATURES

- Standard driver and front-passenger air bags, designed for use with safety belts, help restrain front passengers in the event of a moderate to severe frontal impact.
- A three-point, energy-absorbing safety belt, which includes three-point pillar mounting, is standard equipment for out-board passengers. It can reduce safety belt forces on the chest in moderate to severe collisions.
- A reinforced safety cage helps protect the passenger compartment with strong structural components.
- All Cavalier models meet federal dynamic side-impact safety standard requirements to help protect passengers during side impacts.
- Front and rear crush zones are designed to absorb energy in a crash by deforming in a controlled manner.
- Laminated windshield safety glass and tempered side and rear safety glass help reduce occupant injuries.
- Energy-absorbing steering column and instrument panel can help reduce crash forces on the driver's torso.

1997 CAVALIER

FEATURE AVAILABILITY



	SEDAN/ COUPE	LS SEDAN	RS COUPE	LS CONVERTIBLE	Z24 COUPE
INTERIOR					
Air Bags – Driver and Front-Passenger	S	S	S	S	S
Air Conditioning – with CFC-Free Refrigerant	O	S	O	S	S
Defogger – Rear-Window, Electric	O	O	O	O	O
Door Locks – Power	O	O	O	O	O
Scotchgard™ Protector	S	S	S	S	S
Seat – Full-Folding, Rear	S	S	S	S	S
Speed Control – Electronic	O	O	O	O	O
Stereo – AM/FM	O	S	S	S	NA
– AM/FM w/Cassette Player	O	O	O	O	S
– AM/FM w/Cassette Player and Premium Coaxial Speakers	O	O	O	O	O
– AM/FM w/CD Player and Premium Coaxial Speakers	O	O	O	O	O
Sunroof – Power	NA/O	NA	O	NA	O
Trunk Release – Mechanical Remote	O	S	S	S	S
Tachometer – w/Trip Odometer	NA	S	S	S	S
Windows – Power	NA/O	O	O	O	O
Wipers – Intermittent Fixed	S	S	NA	S	S
– Intermittent Variable	O	O	S	O	O
EXTERIOR					
Exhaust System – Stainless-Steel	S	S	S	S	S
Moldings – Body-Side, Body-Color	O	S	S	S	S
Paint – Basecoat/Clearcoat	S	S	S	S	S
Spoiler – Rear Decklid	NA	NA	S	S	S
Tires – P195/70R-14 Blackwall	S	NA	NA	NA	NA
– P195/65R-15 Blackwall	O	S	S	S	NA
– P205/55R-16 Performance	NA	NA	NA	NA	S
Wheel Covers – 14" Bolt-On, Full	S	NA	NA	NA	NA
– 15" Bolt-On, Full	O	S	S	S	NA
Wheels – 15" Aluminum	NA	O	O	O	NA
– 16" Aluminum	NA	NA	NA	NA	S
FUNCTIONAL					
Brakes – 4-Wheel Anti-Lock	S	S	S	S	S
Brake/Transmission Shift Interlock ¹	S	S	S	S	S
Engine – 2.2 Liter I4 SFI	S	S	S	S	NA
– 2.4 Liter I4 Twin Cam SFI	NA	O	NA	O	S
PassLock Theft-Deterrent System	S	S	S	S	S
Steering – Power Rack-and-Pinion	S	S	S	S	S
Transmission – 5-Speed Manual	S	NA	S	O ²	S
– 3-Speed Automatic	O	NA	O	NA	NA
– 4-Speed Electronically Controlled Automatic with Traction Control	O	S	O	S	O

S—Standard. O—Optional (some options may be available only as part of a Preferred Equipment Group. See your Order Guide for feature availability). NA—Not available.

¹ Requires automatic transmission. ² Requires 2.4 Liter engine.



1997 CAVALIER

INTERIOR FEATURES

INTERIOR FEATURES

Cavalier has a large glass area and a low cowl height that provide an airy, comfortable driving environment. The interior appointments and comfort/convenience features convey a feeling of quality that's unexpected in this market segment.

As part of GM's commitment to enhanced vehicle technology, Cavalier has a microprocessor-based instrument cluster design. This "smart" cluster links communications between the vehicle's electronic modules (powertrain, air bag and anti-lock brake modules).

A standard PassLock theft-deterrent system provides a high level of protection while eliminating the need for a special resistor-equipped ignition key. This is accomplished through a special sensor which actually causes the ignition module and the instrument cluster to become a matched set from the first time the vehicle is started at the assembly plant. If unauthorized ignition occurs, the vehicle will start, but immediately shut down and remain disabled for up to ten minutes.

SEATS

Sedan, Coupe, RS Coupe



- Standard cloth reclining front bucket seats with adjustable head restraints.

LS Sedan, LS Convertible, Z24 Coupe:



- Standard Sport Cloth reclining front bucket seats with adjustable head restraints.¹

LS Convertible:



- Optional Vinyl reclining front bucket seats (Arctic White only) with lumbar adjustment.

Features:

- Storage net on front seatback to hold magazines, books, etc. (LS and Z24 models)
- Easy-entry passenger-seat adjuster simplifies rear passenger seat entry and exit (standard on LS Convertible and Z24 and RS Coupe models, available on Cavalier Coupe models)
- Standard fold-down rear seat gives Cavalier the capability to carry long objects with the decklid closed.

¹ 1996 art shown. 1997 art not available at time of publication. Refer to the Chevrolet Media Online Web site at <http://media.gm.com/chevy> for the most current product photography, as well as new product information and highlights.

1997 CAVALIER

INTERIOR FEATURES (CONTINUED)



INTERIOR COLORS



Interior color for '97:

- Light Gray

Other colors:

- Graphite
- Medium Blue (NA on Convertible)
- Neutral
- Arctic White (Convertible only).

COMFORT AND CONVENIENCE FEATURES

A Remote Keyless Entry (RKE) system (available on all models except Cavalier Sedan) provides a high level of convenience. The system uses a high-frequency radio signal to transmit a uniquely coded message to the receiver, which in turn activates the lock/unlock functions.

Other interior features:

- Driver safety belt, with the buckle mounted on the driver seat, helps maintain proper positioning when the seat is repositioned
- Child comfort guides permit children (and smaller adults) to comfortably wear the rear-seat shoulder safety belt by gently adjusting the belt away from the face and neck
- Adjustable anchors on Cavalier Sedan and LS Sedan allow the shoulder safety belts to be adjusted up and down to fit occupants comfortably
- Safety belts are designed to lock child safety seats in position
- Seat fabric and door panels are treated with Scotchgard™ Protector to make cleanups quick and easy

- Single key operates ignition, doors and decklid
- Air conditioning uses CFC-free R-134a environment-friendly refrigerant (optional on Cavalier Coupe/Sedan and RS Coupe). Air conditioning compressor is automatically activated to prevent window "flash fogging" when the defrost mode is selected
- Optional "zoned" rear-window defogger clears the crucial center area faster than conventional systems
- Integrated rear-seat air ducts for heater/ventilator/air conditioning system maximize rear-passenger comfort
- Theater lighting gradually dims interior lights when doors are closed instead of turning them off abruptly, for easy entry and exit
- Console features side-mounted parking brake, cup holders, armrest and storage tray
- Large glove box has 4.9 liters of usable space
- Standard fixed-interval intermittent wipers allow driver to choose desired wiper speed for weather conditions
- Optional Tilt-Wheel™ Adjustable Steering Column provides a comfortable position for a wide range of drivers (standard on Z24)
- Light-Emitting Diodes (LED) are used instead of light bulbs for all telltale indicators except turn signals and high beams to lessen driver eye strain
- Optional luggage-area convenience net keeps bags of



1997 CAVALIER

INTERIOR FEATURES (CONTINUED)

EXTERIOR FEATURES

groceries and other items from rolling around in the trunk (standard on LS Sedan, LS Convertible, RS Coupe and Z24)

- Full trunk carpeting protects cargo
- Optional power sunroof opens and closes effortlessly and includes sunshade (NA on Sedans or Convertibles)
- Jack stowage tray prevents rattles and facilitates spare tire changes.

AUDIO SYSTEMS

Cavalier offers a wide variety of radios. Uplevel cassette player and CD player feature speed-compensated volume that automatically adjusts volume as speed increases to compensate for road noise; automatic tone control sets equalizer levels with one touch for talk and music programs.

Available systems:

- Electronically tuned AM/FM stereo with seek-scan, digital clock and extended-range front and rear speakers (standard on LS and RS models, available on Cavalier Coupe/Sedan models)
- Electronically tuned AM/FM stereo with seek-scan, digital clock, cassette player and extended-range front and rear speakers (standard on Z24 Coupe, available on all other models)
- Optional electronically tuned AM/FM stereo with seek-scan, digital clock, automatic tone control, cassette player, TheftLock and speed-compensated volume. Includes premium coaxial front and rear speakers

- Optional electronically tuned AM/FM stereo with automatic tone control, compact disc player, digital clock, TheftLock and speed-compensated volume. Includes premium coaxial front and rear speakers.

EXTERIOR FEATURES

Optional Exterior Appearance Package, available for Cavalier Coupe and Sedan (standard on RS Coupe) — includes body-color fascias and body-side moldings, 15" bolt-on wheel covers, and P195/65R-15 blackwall Touring tires.




Cavalier Coupe/Sedan models receive a body-color front grille with the optional Exterior Appearance Package.

Excellent visibility was a primary objective of the Cavalier body design. This was achieved with a large glass area, low cowl, and minimal obstructive A-pillars. All three design objectives were reached while adding to the structural integrity of the body.

The low cowl height gives the driver a commanding view of the road. The A-pillars were designed to enhance visibility by minimizing obstructions in the driver's line of sight.

Other features:

- 5-mph front and rear bumpers exceed federal standards
-  Rally Sport exterior features: body-color bumpers, Z24-style body-side moldings, "Rally Sport" decal on rear quarter panels, rear spoiler, 15" bolt-on full wheel covers and P195/65R-15 blackwall Touring tires

1997 CAVALIER

EXTERIOR FEATURES (CONTINUED)

DESIGN AND MANUFACTURING



- Low trunk lift-over height makes loading and unloading cargo easy
- Specific Z24 front and rear fascias and aero rocker moldings in body color enhance Z24's aerodynamics and appearance
- Composite halogen headlights combine aerodynamic styling, a high level of illumination and easy servicing
- Decklid-mounted rear spoiler with center high-mounted stoplamp (standard on RS, Z24, LS Convertible) enhances appearance and aerodynamics



Easy-open gas cap is spring-loaded for quick opening and closing, and works with Enhanced Evaporative Emissions system to create an improved vacuum seal. A gas tank cap tether holder in the filler door provides convenient storage during fill-ups.

PAINT

Standard basecoat/clearcoat paint on Cavalier resists fading and provides a high-gloss shine for long-lasting exterior beauty. The clearcoat system is formulated to minimize the effects of acid rain and other environmental damage. Clearcoat finish is used with all colors — solids and metallics. The paint process builds up six layers of protection on every new Cavalier.

- A total immersion phosphate electrodeposition (ELPO) process applies the first layer of primer/paint. Electric voltage is applied to the bodies while submerged in the paint bath to ensure complete coverage, even in hard-to-reach areas.

- A glossy water-based highlighting solution is applied to all exterior surfaces to reveal any imperfections before the body is painted.

PAINT COLORS



Paint colors for '97:

- Aquamarine Blue Metallic
- Medium Opal Blue Metallic
- Deep Purple Metallic.

Other colors:

- Bright Aqua Metallic
- Sandrift Metallic
- Bright Red
- Bright White
- Black
- Green Metallic
- Cayenne Red Metallic.

DESIGN AND MANUFACTURING

Cavalier models are manufactured at General Motors assembly plants in Lordstown, Ohio; Lansing, Mich.; and Ramos, Mexico. The Cavalier Convertible structure is manufactured at the Lansing Craft Center, and the remainder of the vehicle systems are installed by Genasys, a joint-venture company formed by General Motors and ASC, Inc.

The quality system in place for Cavalier ensures that customers get the quality they expect and deserve. The fundamental concept is to detect and prevent problems throughout the manufacturing process. Process controls and monitoring stations are the key. A "form and pierce" technique of



1997 CAVALIER

DESIGN AND MANUFACTURING (CONTINUED)

BODY STRUCTURE ENGINES

installing exterior sheet metal is used for assembly that ensures precise fit and uniform body seams through customized mounting positions.

- Holes for some trim items are cut with laser beams on an "online" automotive laser system.
- The laser cutting is a non-contact system, so metal distortion is virtually eliminated, improving quality in fit and finish.
- Detailed computer analysis resulted in very smooth, predictable structural responses.

BODY STRUCTURE

The Cavalier body structure provides a stiff, rigid platform.

- The Cavalier structural feel was patterned after much more expensive cars, with front-to-rear bending and torsional twisting that contributes to good ride and handling.
 - The stiff body structure allows suspension components to be tuned for isolation from road disturbances.
 - Structural rigidity helps maintain the integrity of the passenger compartment in a crash.
 - *Corrosion protection has been incorporated throughout the vehicle. All exterior panels except the roof, where it is not needed (except on Cavalier Coupe, RS Coupe and Z24 Coupe, where roof galvanization is necessary due to the available sunroof), utilize two-side-galvanized steel.*
- Cavalier Convertible is designed, engineered and built as a

"true convertible" from the ground up. Its stiff body structure results in a smooth, solid road feel.

- Specific rocker panels and front and rear reinforcements are welded prior to paint application so all body components receive full corrosion and paint protection.
- A single center latch simplifies operating the power convertible top with one easy-to-use "Logic Stick" lever
- The snug-fitting convertible top has a full headliner for a finished appearance and is designed to reduce road and wind noise.
- A large glass rear window with optional defogger provides good visibility and will not fade or yellow.
- An easy-to-install three-piece tonneau cover gives Cavalier Convertible a sleek, finished look when the top is lowered.
- The rear seat accommodates three passengers.

ENGINES



2.2 LITER L4 SFI ENGINE (LN2)

A 2.2 Liter SFI in-line four-cylinder engine is standard on Cavalier Coupe, RS Coupe, Sedan, LS Sedan and LS Convertible. This engine was systematically designed to minimize friction, maximize fuel economy and enhance performance. Quick starts and reduced noise and vibration are additional benefits of the LN2 engine design.

LN2 technical features:

1997 CAVALIER ENGINES (CONTINUED)



- 120 horsepower at 5200 rpm
- 130 lb.-ft. of torque at 4000 rpm



A flex coupling exhaust has been added for emissions durability



The Powertrain Control Module has been improved for increased diagnostic capability and powertrain control

- The induction system uses two resonators for quiet operation, and a large volume air cleaner provides easy access to the filter element for servicing
- Torque axis powertrain mount system enhances smoothness by reducing vibration at idle
- Hydraulic roller lifters help reduce valvetrain friction, maintenance cost, and noise
- The LN2's "assembled" steel camshaft is made up of individual lobes and journals that are permanently locked onto a hollow tube for outstanding durability
- Platinum-tip spark plugs (first scheduled maintenance at 100,000 miles*) provide dependable service
- Extended-life coolant (first scheduled replacement at 5 years or 100,000 miles*) helps make maintenance easy

*Maintenance needs vary with different uses and driving conditions.

- Sequential Fuel Injection aids combustion efficiency by optimizing fuel distribution
- Cast-aluminum cylinder heads help maintain even engine temperatures and minimize weight.



2.4 LITER TWIN CAM L4 ENGINE (LD9)

A 2.4 Liter Twin Cam engine is standard on Z24 Coupe and optional on Cavalier LS Convertible and LS Sedan. The Twin Cam's multi-valve design provides outstanding balance throughout the operating range. OBD II (On-Board Diagnostics Second Generation) is standard.

Twin Cam engine technical features:

- 150 horsepower at 5600 rpm
- 155 lb.-ft. of torque at 4400 rpm



The Powertrain Control Module has been improved for increased diagnostic capability and powertrain control

- A composite intake manifold reduces noise and weight. The dual-plane exhaust manifold allows engineers to tune the engine to achieve optimum performance
- Exhaust Gas Recirculation (EGR) system is designed to reduce emissions, improve idle stability and enhance fuel economy
- A unique "in-oil-pan"-design balance shaft system helps ensure smooth, quiet performance in the mid- and high-speed driving ranges
- Torque axis powertrain mount system is designed to reduce vibrations at idle
- Sequential Fuel Injection optimizes combustion by precisely matching fuel delivery to each cylinder's intake stroke
- A direct-drive power steering pump eliminates the power



1997 CAVALIER ENGINES (CONTINUED) TRANSMISSIONS

- steering pump belt and improves reliability
- Stainless-steel fuel injectors provide improved corrosion resistance to alcohol-additive fuels
- Cast-aluminum cylinder heads help maintain even engine temperatures and minimize weight
- Platinum-tip spark plugs (first scheduled maintenance at 100,000 miles*) provide dependable service
- Extended-life coolant (first scheduled replacement at 5 years or 100,000 miles*) helps make maintenance easy.

*Maintenance needs vary with different uses and driving conditions.

ON-BOARD DIAGNOSTICS SECOND GENERATION (OBD II)

On-Board Diagnostics are sophisticated with OBD II (On-Board Diagnostics Second Generation). The Powertrain Control Module (PCM) monitors the emissions system and its components to detect deterioration or malfunction.



Enhanced evaporative emissions system detects evaporative fuel system leaks between the fuel

filler cap and the purge solenoid by applying a vacuum seal to the fuel tank. If there is a leak, the system will not achieve, or maintain, a vacuum. If a problem is detected, a Diagnostic Trouble Code (DTC) is stored and indicates the type of fault detected.

- The PCM stores and retrieves diagnostic messages to help technicians fix problems quickly and accurately.

- The PCM alerts the driver by illuminating the "Service Engine Soon" light when it detects a deterioration in the performance of any of the monitored components.
- Unlike first-generation systems that signaled only system failures, OBD II alerts the driver to have the vehicle serviced before experiencing a possible breakdown or incurring more expensive repairs.

TRANSMISSIONS

5-SPEED MANUAL TRANSMISSION

A 5-speed manual transmission is standard on all Cavalier models except LS Sedan and Convertible. The 5-speed's wide range of gear ratios allows the driver to select the best gear for any driving situation. The overdrive fifth gear reduces engine rpm at cruising speed, thereby reducing wear and engine noise.

The 5-speed manual transmission is engineered to make shifting smooth and easy:

- The clutch pedal has a short, efficient travel
- Clutch and brake pedals are positioned at the same height
- A concentric slave clutch provides a solid pedal feel and smooth clutch operation.



3T40 3-SPEED AUTOMATIC TRANSMISSION

The Hydra-matic 3T40 transverse-mounted 3-speed automatic is optional on Cavalier Sedan, Coupe and RS

1997 CAVALIER

TRANSMISSIONS (CONTINUED)



Coupe (not available with 2.4L engine). Features of the 3T40 design include wide-ratio gearing to maximize vehicle performance and hydraulic controls for smooth, accurate shift points.

Chevrolet models equipped with automatic transmissions have electronic shift indicators (PRND21 on 3-speed transmissions, PRND321 on 4-speed transmissions), giving the driver a precise indication of the gear selected. The Powertrain Control Module (PCM) receives gear selection information from the transmission and communicates this information to the car's "smart" instrument cluster.

- 3T40 is factory-filled with Dexron III automatic transmission fluid that never needs replacing under normal operating conditions.
- The various final drive ratios and torque converter multiplication selections available with the 3T40 provide the flexibility needed to meet the performance requirements of different vehicles.
- A premium input gear set allows for efficient lubrication flow, resulting in smooth operation and quiet shift characteristics.



4T40-E 4-SPEED ELECTRONIC AUTOMATIC TRANSMISSION

For 1997, the Hydra-matic 4T40-E 4-speed electronically controlled automatic transmission is standard on LS Sedan and LS Convertible and is available on Coupe, Sedan,

RS Coupe and Z24 Coupe models. The 4T40-E transmission is specifically designed for small front-wheel-drive vehicles.

Enhanced Traction System (ETS) is standard on all Cavalier models equipped with the 4T40-E 4-speed automatic transmission. It provides outstanding grip on slippery surfaces.

- 4T40-E is factory-filled with Dexron III automatic transmission fluid that never needs replacement under normal operating conditions.
- The transmission fluid dipstick is eliminated, since no maintenance is required.
- The Powertrain Control Module (PCM) synchronizes and integrates the operation of the engine and 4T40-E transmission, for outstanding shift quality.
- The PCM continuously monitors operating conditions, such as altitude and temperature, to determine the optimal shift points and provide a seamless link between the vehicle and engine.
- When the PCM signals the 4T40-E transmission to shift gears, a variable solenoid changes the line pressure, thereby optimizing the transmission's operation.
- External seals use tight-fitting gaskets to prevent potential leakage.
- Engine braking is available in all forward gears — a significant aid in controlling the vehicle when driving down steep hills and on slippery road surfaces.



1997 CAVALIER

SUSPENSION
STEERING
BRAKES

SUSPENSION

Cavalier is designed to provide excellent road feel and ride characteristics. The body was computer-modeled to minimize flex, so the suspension can achieve its primary mission — to control all four wheels precisely and absorb bumps before they reach the passenger compartment.

- A “progressive ride” system and coil-over-shock rear suspension allows precise tuning between the chassis and suspension system to improve isolation, impact harshness, motion control, shake and structural feel.
- Dual-path front struts provide good road feel yet maintain isolation from bumps.
- Z24 models are equipped with Level II Sport Suspension, which includes shaped inner metal bushings on front lower control arms, higher-rate front and rear springs, specific shocks and struts and a larger front stabilizer bar. Turning is designed to provide an excellent “on-center” feel.
- Coil-over-shock rear suspension positions the shock and spring “in line” to distribute road inputs (pot holes, bumps, etc.) throughout the body structure.

Precision equipment used in the manufacturing process helps ensure accurate alignment of all four wheels. Throughout the vehicle build process, measurements are taken to ensure that components affecting final wheel alignment are correct. This manufacturing process is so accurate that it is not necessary to set wheel camber or caster.

STEERING

Power-assisted rack-and-pinion steering (15.7:1 ratio) is standard on all Cavalier models. Rack-and-pinion steering provides precise control under demanding driving conditions. The steering rack is mounted on the front suspension cradle to provide a solid feel while improving isolation from road disturbances.

A direct-drive power steering pump is installed on the Twin Cam engine, mounted directly on the engine’s cam cover. The direct-drive design saves weight, reduces the number of parts and is more reliable than traditional accessory-drive power steering units.

BRAKES

All Cavalier models have front disc/rear drum brakes with standard power assist. GM’s award-winning ABS VI anti-lock brake system is standard equipment.

- ABS helps maintain steering control and minimizes wheel lockup on most slippery surfaces.
- ABS can adjust brake pressure by modulating the brakes several times per second, a rate even most skilled professional drivers cannot attain.
- The system modulates the brake-line pressure at the wheels. Drivers should not “pump the brakes” in emergency braking situations. Rather, they should maintain constant pressure on the brake pedal, allowing the system to work effectively.

1997 CAVALIER

WHEELS AND TIRES
GENUINE CUSTOMER CARE



WHEELS AND TIRES

Cavalier Coupe and Sedan:



- Standard 14" steel wheels¹
- Bolt-on full wheel covers reduce chance of loss or theft
- P195/70R-14 all-season steel-belted radial blackwall tires.

Cavalier RS Coupe, LS Sedan And LS Convertible:



- Standard 15" steel wheels (included with Appearance Package on Cavalier Coupe/Sedan models)
- Bolt-on full wheel covers reduce chance of loss or theft (included with Appearance Package on Cavalier Coupe/Sedan models)
- P195/65R-15 all-season Touring steel-belted radial blackwall tires (included with Appearance Package on Cavalier Coupe/Sedan models)



- Optional 15" aluminum wheels
- P195/65R-15 all-season steel-belted radial blackwall Touring tires.

Cavalier Z24:



- Standard 16" aluminum wheels
- P205/55R-16 Performance steel-belted radial blackwall tires.

¹ 1996 artwork shown. 1997 art not available at time of publication. Refer to the Chevrolet Media Online Web site at <http://media.gm.com/chevy> for the most current product photography, as well as new product information and highlights.

GENUINE CUSTOMER CARE

Chevrolet owners are covered by Genuine Customer Care, a comprehensive owner protection plan that includes the following:



BUMPER TO BUMPER WARRANTY

The GM 3-year/36,000-mile (whichever comes first), no-deductible, limited warranty covers repairs for all Chevrolet cars, including labor and parts, to correct any defects in material or workmanship occurring during the warranty period. Warranty features include air conditioning repair, tires, towing, no-cost warranty transfer and 6-year/100,000-mile (whichever comes first) sheet-metal rust-through protection. There is also emissions control system coverage, which varies by geographic location. The only item not covered by the warranty is normal maintenance.



COURTESY TRANSPORTATION

Customers who purchase or lease a Chevrolet car or truck will be able to take advantage of Courtesy Transportation at no additional charge when their vehicles are left at a participating dealership for repairs covered under the 3-year/36,000-mile New Vehicle Limited Warranty.



24-HOUR ROADSIDE ASSISTANCE

Lost? We'll help you find your way. Locked out? We'll get you back in your Cavalier. Out of gas? We'll get you gas. Roadside Assistance is provided via a toll-free number 24 hours a day, 365



1997 CAVALIER

GENUINE CUSTOMER CARE (CONTINUED)

GM MOBILITY PROGRAM HISTORY

days a year. Roadside Assistance is offered in two levels of service,

Basic Care and Courtesy Care.

Roadside Basic Care provides:

- Free towing for warranty repairs (to closest dealer)
- Over-the-phone basic technical advice
- Available dealer services at reasonable costs (i.e., wrecker services, locksmith/key service, glass repair, etc.).

Roadside Basic Care covers you as long as you own your Cavalier.

Roadside Courtesy Care provides:

- Free towing (to closest dealer)
- Free locksmith/key service (when keys are lost on the road or locked inside)
- Free flat tire service, jump start and fuel delivery.

Roadside Courtesy care is available to you for a period of three years or 36,000 miles (whichever comes first).

GM MOBILITY PROGRAM

Chevrolet/Geo recognizes the importance of mobility to everyone's life and, therefore, offers financial assistance to persons with disabilities through the General Motors Mobility Program. This program provides financial assistance — up to \$1,000 — toward the cost of any aftermarket adaptive equipment for drivers or passengers and/or vehicle "alerting devices" for deaf and hearing-impaired drivers. A special feature of the program is single-transaction GMAC financing for the vehicle and its adaptive aids. Further details are available by calling the GM Mobility Assistance Center at 1-800-323-9935.

HISTORY (BY MODEL YEAR)

Introduced spring 1981 as a 1982 model.

- 1983 — Cyclonic induction, fuel-injected 2.0 Liter engine; Convertible introduced.
- 1984 — Cavalier is best-selling car in U.S.
- 1985 — 2.8 Liter V6 introduced; major suspension tuning.
- 1987 — Gen II 4- and 6-cylinder engines; Getrag 5-speed.
- 1988 — Aerodynamic face-lift for coupes.
- 1990 — VL "Value Leader" packages available.
- 1991 — All-new interior and minor exterior changes; RS Convertible debuts.
- 1992 — ABS VI brake system standard; Z24 Convertible in lineup; Port Fuel Injection on L4; larger fuel tank.
- 1994 — 2.2 Liter LN2 improvements; 3.1 Liter V6 option available on all Cavalier RS models.
- 1995 — All-new interior and exterior design, new standard safety features, including dual air bags, 2.3 Liter Quad 4 engine and 4T40-E transmission.
- 1996 — New automatic Daytime Running Lamps, 2.4 Liter Twin Cam engine; OBD II; extended-life engine coolant.

Important: A word about this document: We have tried to make this document as comprehensive and factual as possible. We reserve the right, however, to make changes at any time, without notice, in colors, materials, equipment, specifications, models and availability. Some information may have been updated since the time of printing, June 1996.

A note about air bags: Always wear safety belts, even with air bags.

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1997 CAVALIER

SPECIFICATIONS



MODEL AVAILABILITY

Cavalier Coupe, RS Coupe, Z24 Coupe, Sedan, and Convertible

EPA vehicle class	Compact		
Assembly	Lansing, Mich.	Lordstown, Ohio	Ramos, Mexico

DIMENSIONS & CAPACITIES (inches, unless otherwise noted)

Exterior Dimensions	Coupes	Sedans	Convertible
Wheelbase	104.1	104.1	104.1
Length (Overall)	180.3	180.3	180.3
Width (Overall)	67.4	67.4	67.4
Height (Overall)	53.2	54.8	53.9
Tread — Front	57.6	57.6	57.6
Tread — Rear	56.7	56.7	56.7
Interior Front Dimensions			
Headroom	37.6	38.9	38.1
Legroom	42.3	42.3	42.4
Shoulder room	53.9	54.6	53.9
Hip room	50.0	50.8	50.0
Interior Rear Dimensions			
Headroom	36.6	37.2	37.6
Legroom	33.2 (34.6 Z24)	34.6	32.8
Shoulder room	54.9	53.9	47.1
Hip room	49.5	50.6	47.8
Capacities			
Passenger capacity	5	5	5
Passenger index (cu. ft.)	87.1	95.0	82.8
Cargo index (cu. ft.)	13.2	13.6	10.5
Fuel tank capacity (gal.)	15.2	15.2	15.2
EPA interior index (cu. ft.)	100.3	105.1	93.3
Curb weight (lbs., est.)	2617 (2788 Z24)	2676	2838
Engine oil (quarts)	4.0 (2.2 Liter L4)	5.0 (2.4 Liter Twin Cam)	
Engine coolant (quarts)	10.7 (2.2 Liter L4)	10.4 (2.4 Liter Twin Cam)	

STEERING

Type	Power Rack-and-Pinion
Ratio (overall)	15.7:1
Turns stop-to-stop	2.88
Turning diameter curb-to-curb (ft.)	35.6
Turning diameter wall-to-wall (ft.)	37.2

BRAKES

Type	4-Wheel ABS, Power, Front Vented Disc/Rear Drum
Gross lining, front/rear (sq. in.)	31.7/50.2
Effective area, front/rear (sq. in.)	31.7/50.2
Front disc rotor outer working diam. (in.)	10.22
Rear drum diameter x width (in.)	7.87 x 1.77
Total sweep area, front/rear (sq. in.)	182.2/86.2



1997 CAVALIER

SPECIFICATIONS (CONTINUED)

ENGINES

Model	Std. Coupe, RS Coupe, Convertible, Sedan, LS Sedan	Opt. LS Sedan/Convertible, Std. Z24
Type	2.2 Liter SFI L4	2.4 Liter Twin Cam
Block	Cast Iron	Cast Iron
Cylinder head	Cast Aluminum	Cast Aluminum
Hydraulic lifters	Yes/Roller	Yes
Bore & Stroke (in.)	3.5 x 3.46	3.54 x 3.70
(mm)	89.0 x 88.0	90.0 x 94.0
Cam drive	Chain	Chain
Redline (rpm)	6260	6500
Displacement (liters/CID)	2.2/134	2.4/146
Compression ratio	9.0:1	9.5:1
Fuel induction	SFI	SFI
Horsepower @ engine rpm	120 @ 5200	150 @ 5600
Torque (lb.-ft.)	130 @ 4000	155 @ 4400
Exhaust system	One-Piece Welded Stainless Steel	One-Piece Welded Stainless Steel
Tailpipe(s)	Single Outlet	Single Outlet (Dual on Z24)
Ignition system	Electronic Direct Ignition	Electronic Direct Ignition
Delcotron alternator rating	105 amps	105 amps
Battery (SAE capacity rating)	525 cca	600 cca
Recommend fuel (unleaded)	87 Octane	87 Octane

TRANSMISSIONS

Models	Std. Coupe, Sedan, RS Coupe, Z24 Coupe, opt. LS Conv. w/2.4L	Opt. Coupe, Sedan, RS Coupe	Std. LS Sedan, LS Conv., Opt. Coupe, Sedan, RS Coupe, Z24 Coupe
Transmission	5-Speed Manual	3-Speed Automatic	4-Speed Elec. Automatic with OD and Traction Control
Layout	FWD Transverse	FWD Transverse	FWD Transverse w/OD
Gear ratios:			
1st	3.91 (3.73 Z24)	2.84	2.96
2nd	2.15 (2.18 Z24)	1.60	1.63
3rd	1.45 (1.33 Z24)	1.00	1.00
4th	1.03 (0.92 Z24)	-	0.68
5th	0.74	-	-
Reverse	3.58	2.07	2.13
Final drive ratios	3.58 (3.94 Z24)	3.18	3.91

1997 CAVALIER

SPECIFICATIONS (CONTINUED)



CHASSIS

Chassis

Structure/frame	Unitized Body Construction
Body material	Steel
Suspension — Front	
Type	Independent MacPherson Strut w/Coil Spring
Stabilizer bar/diameter (mm)	Link/18 (22 on Z24)
Suspension — Rear	
Type	Trailing Tubular Control Arms with Twist Beam
Stabilizer bar/diameter (mm)	Solid/18 (Z24 models only)

MILEAGE/PERFORMANCE*

Type	2.2L 5-Speed Manual	2.2L 3-Speed Automatic	2.2L 4-Speed Automatic	2.4L 4-Speed Automatic	2.4L 5-Speed Automatic
Mileage:					
City	25	24	25	22	23
Highway	37	31	34	32	33
Combined	29	27	28	26	26
Est. Cruising Range:					
City	380	365	380	334	350
Highway	562	471	517	486	502
Combined	441	410	448	395	395

*Based on 1996 EPA figures. 1997 figures not available at time of publication.

TRAILERING INFORMATION

Model	Z24 Coupe	LS Sedan and Convertible*
Trailer classification	Light	Light
Gross trailer weight (lbs., up to)	1000	1000
Max tongue load (lbs.)	100	100

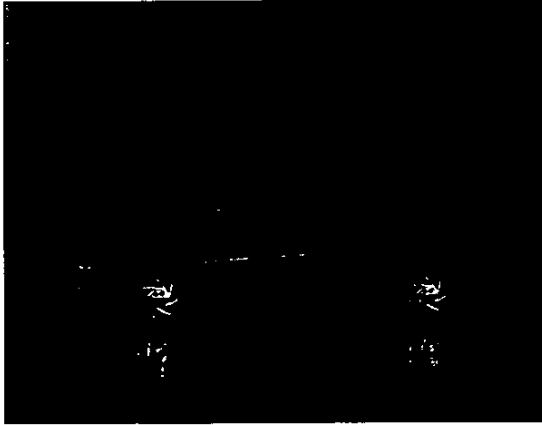
*When equipped with optional 2.4 liter engine and 4-speed automatic transmission.

WHEELS & TIRES

	Coupe/Sedan	Z24 Coupe	RS Coupe, LS Sedan, LS Convertible
Wheel type/size	Steel/14" x 6"	Aluminum/16" x 6"	Steel 15" x 6"
Tire type	All-Season	All-Season	All-Season
SBR BW	Performance	SBR BW SBR BW	SBR BW Touring
Tire size (Front)	P195/70R-14	P205/55R-16	P195/65R-14
Spare size	T115/70D-14	T115/70D-14	T115/70D-14

All specifications are preliminary and subject to change. Chevrolet Motor Division, June 1996.

1997 CAVALIER PHOTOGRAPHY ORDERING REFERENCE



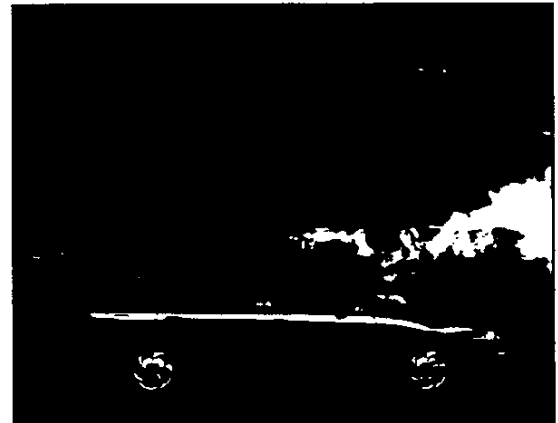
97-01CAV Cavalier LS Sedan



97-02CAV Cavalier Coupe



97-03CAV Cavalier Z24 Coupe



97-04CAV Cavalier Sedan¹



97-05CAV Cavalier LS Instrument Panel



97-06CAV Cavalier LS Sedan Interior

¹ 1996 art shown. 1997 art not available at time of publication. Refer to the Chevrolet Media Online Web site at <http://media.gm.com/chevy> for the most current product photography as well as new product information and highlights.



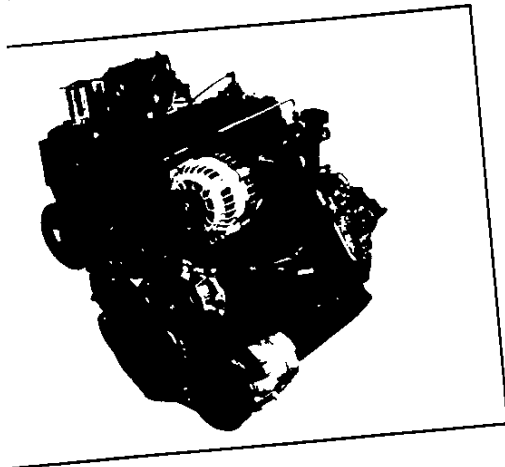
1997 CAVALIER PHOTOGRAPH ORDERING REFERENCE



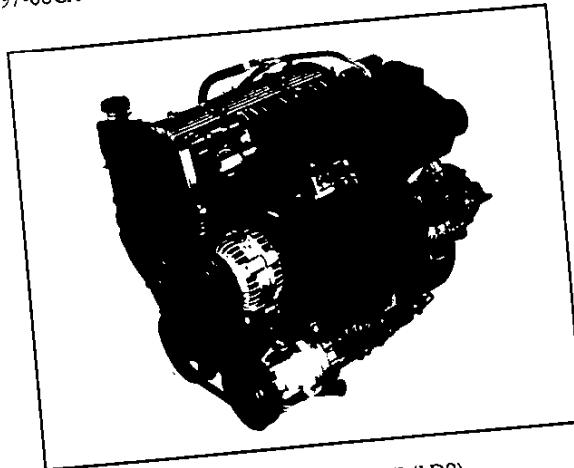
7 Cavalier LS Convertible



97-08CAV Cavalier Z24 Coupe



7ENG 2.2 Liter L4 SFI (LN2)



97-01ENG 2.4 Liter Twin Cam L4 SFI (LD9)





Cavalier

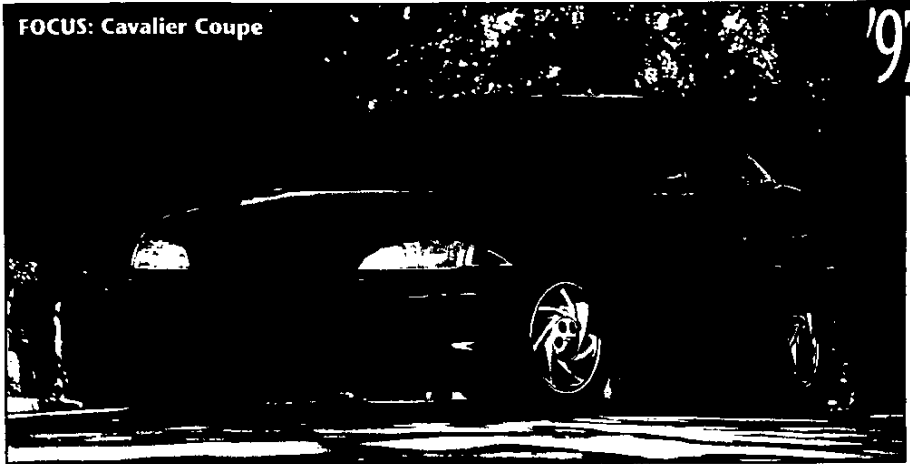
This and other Dealer Order Guide inserts are your first look at Chevrolet Passenger Car models for 1997. Overall improvements, changes and deletions are highlighted. Use these inserts to assist you in ordering your initial shipments. NOTE: some information is preliminary and is subject to change.

Positioning Statement

An inexpensive car you can trust to deliver thoughtful engineering, dependability, safety and contemporary style typically associated with more expensive cars.

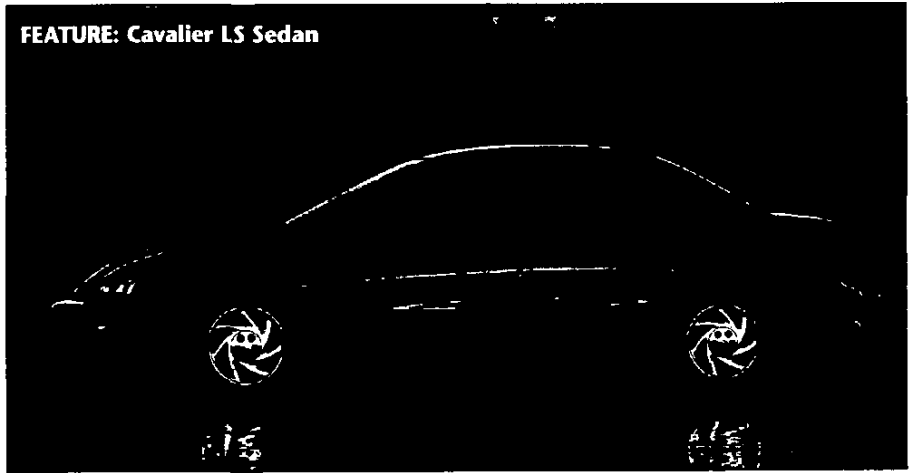
Additional Feature vehicle is listed on page 2 ...

FOCUS: Cavalier Coupe



'97

FEATURE: Cavalier LS Sedan



Cavalier

FOCUS

Cavalier 2-Door Coupe with Preferred Equipment Group 1SB and Exterior Appearance Package (image above, top)

The Focus vehicle is the model that is chosen for its saleability. It is equipped with the product features that customers want most. Generally, it is the "volume" vehicle that comprises the majority of the build. You'll want to be sure you have several of these models in stock. NOTE: model, PEG and optional equipment may vary in your locality.

Ordering Recommendations:
The recommended Cavalier Coupe content, based on national sales volume, is listed below to assist your dealership in ordering.

Coupe with Preferred Equipment Group 1SB includes:

- Charcoal Body Side Molding
- Cargo-Area Convenience Net
- Front and Rear Color-Keyed Carpeted Floor Mats
- Dual Covered Visor Mirrors with Map Straps
- Front Mud Guards
- Easy-Entry Passenger Seat
- Remote Mechanical Trunk Opener
- Intermittent Variable Wipers.

Individual Options:

- Exterior Appearance Package (includes Body-Color Fascia and Body-Side Moldings*, 15-inch Bolt-On Wheel Covers and P195/65R-15 B/W Touring Tires)
- 3- or 4-Speed Automatic Transmission
- Air Conditioning with CFC-Free Refrigerant
- Rear-Window Defogger
- AM/FM Stereo with Cassette Player.

Popular Colors:

- Bright Aqua Metallic, Bright Red and Deep Purple Metallic.

* This option replaces the Charcoal Body Side Molding.

FEATURE

Cavalier LS Sedan with Preferred Equipment Group 1SK (image above, bottom)

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

Cavalier LS Sedan with Preferred Equipment Group 1SK offers a mixture of practicality and comfort, making it a perfect choice for young families.

Ordering Recommendations:

The recommended Cavalier LS Sedan content, based on national sales volume, is listed below to assist your dealership in ordering.

LS Sedan with Preferred Equipment Group 1SK includes:

- Tilt-Wheel™ Adjustable Steering Column
- Electronic Speed Control with Resume Speed
- Intermittent Variable Wipers
- Electric Twin Remote Exterior Mirrors
- Power Windows with Driver's Express Down
- Remote Keyless Entry (includes Power Door Locks and Electric Trunk Opener).

Individual Options:

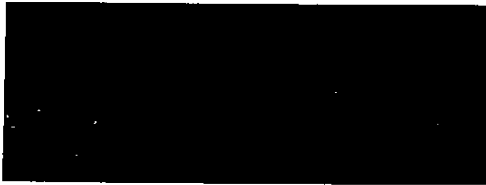
- Rear-Window Defogger
- AM/FM Stereo with CD Player.

Lead Color:

- Cayenne Red Metallic.

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TRIM COLORS



Cloth available in Graphite, Medium Blue, Light Gray and Neutral.

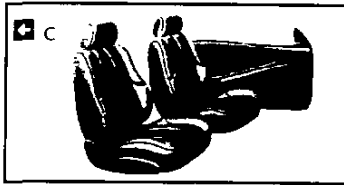
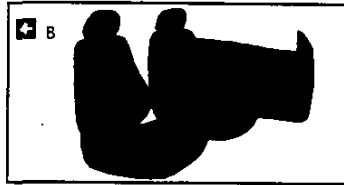
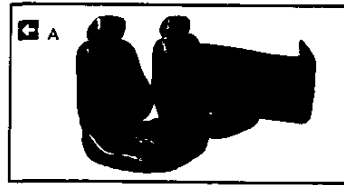


Sport Cloth available in Medium Blue, Graphite, Light Gray and Neutral.



Vinyl available in Arctic White (LS Convertible only).

SEAT STYLES



- A. Cloth reclining bucket seats (Sedan, Coupe and Rally Sport Coupe). "Rally Sport" embroidery on front headrests for RS models.
- B. Sport Cloth reclining bucket seats (LS Sedan, LS Convertible and Z24 Coupe).
- C. Arctic White Vinyl reclining bucket seats with lumbar support (LS Convertible only).

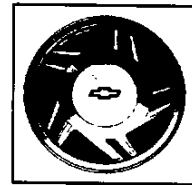
WHEELS



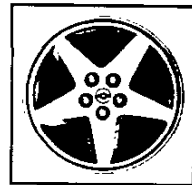
Cavalier standard 14" bolt-on full wheel cover.



Cavalier LS, RS Coupe standard 15" bolt-on full wheel cover (included with W27 package on Base models).



Cavalier LS, RS Coupe optional 15" aluminum wheel.



Cavalier Z24 standard 16" aluminum wheel.

Cavalier



Additional Feature Vehicle

Cavalier 2-Door Coupe with Preferred Equipment Group 1SB and Exterior Appearance Package

Cavalier Coupe with Preferred Equipment Group 1SB includes:

- Charcoal Body-Side Molding
- Cargo-Area Convenience Net
- Front and Rear Color-Keyed Carpeted Floor Mats
- Dual Covered Visor Mirrors with Map Straps
- Front Mud Guards
- Easy-Entry Passenger Seat
- Remote Mechanical Trunk Opener
- Intermittent Variable Wipers.

Individual Options:

- Exterior Appearance Package (includes Body-Color Fascia and Body-Side Moldings*, 15-inch Bolt-On Wheel Covers and P195/65R-15 B/W Touring Tires)
- 3- or 4-Speed Automatic Transmission
- Air Conditioning with CFC-Free Refrigerant
- Rear-Window Defogger
- AM/FM Stereo with CD Player.

Lead Color:

- Bright Aqua Metallic.

* This option replaces the Charcoal Body-Side Molding.

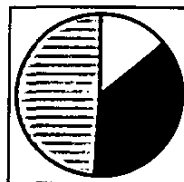
Most Popular Exterior Colors with Corresponding Interior Color Availability

INTERIOR MATERIAL COLORS

	Medium Blue	Graphite	Light Gray	Neutral	Arctic White
EXTERIOR COLORS*					
Bright White	✓	✓	✓	✓	✓
Green Metallic		✓	✓	✓	✓
Bright Red		✓	✓	✓	✓
Cayenne Red Metallic		✓	✓	✓	

See Order Guide for color availability by model.

Most Popular Exterior Colors by Percentage



Clockwise at left are the forecasted six most popular Cavalier colors for 1997, based on national sales volume. They are listed for reference only.

To identify the top-selling colors in your area, by model, use the Retail Sales Analysis (RSA).

Bright White	14%
Green Metallic	13%
Bright Red	13%
Cayenne Red Metallic	11%
Other colors	49%



Cavalier

'97

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

S.P.A.C.E. (New-for-'97 features appear in blue.)

S

SAFETY

- **SAFETY BELT GUIDE LOOPS ADDED TO COUPE MODELS** — for improved seat belt comfort (not available on LS Convertible).
- **ADDITIONAL PASSENGER-ASSIST HANDLES** — for all outboard passengers on LS Sedan and for front passenger on Z24 Coupe models.
- **DYNAMIC SIDE-IMPACT STANDARDS** — meet Federal requirements.
- **DRIVER AND FRONT-PASSENGER AIR BAGS** — help reduce injury in certain moderate to severe frontal collisions. Always wear safety belts, even with air bags.
- **4-WHEEL ANTI-LOCK BRAKE SYSTEM (ABS)** — helps reduce wheel lockup and helps driver maintain steering control during severe braking, even on slippery surfaces.
- **PASSLOCK THEFT-DETERRENT SYSTEM** — provides a high level of security without requiring a special key.
- **AUTOMATIC DAYTIME RUNNING LAMPS** — headlamps automatically come on at low intensity when ignition is turned on, increasing vehicle's visibility to other drivers. Headlamps operate normally at night.
- **ADJUSTABLE FRONT SHOULDER SAFETY BELT GUIDE LOOPS** — adjusts up and down to comfortably fit front seat occupants (on sedan only).
- **REAR-SEAT SAFETY BELT CHILD COMFORT GUIDES** — provide comfortable placement of safety belts for smaller rear-seat occupants.
- **SAFETY-CAGE CONSTRUCTION** — Cavalier features a rigid safety cage surrounding the entire passenger compartment and energy-absorbing front and rear body structures, making it feel solid, stable and well-built.
- **5-MPH BUMPERS** — front and rear bumpers exceed Federal impact requirements.
- **CHILD SECURITY REAR-DOOR LOCKS** — manually lock to prevent a child from opening rear doors from the inside (Sedan models only).

P

PERFORMANCE

- **2.2 LITER 4-CYLINDER ENGINE WITH SEQUENTIAL FUEL INJECTION** — standard on Cavalier Sedan, Cavalier Coupe, RS Coupe, LS Sedan and LS Convertible. This smooth, responsive engine delivers an impressive 120 hp at 5200 rpm. A 5-speed manual transmission is standard on Base Coupe and Sedan and a 3-speed automatic is optional (4-speed electronically controlled automatic with traction control is standard on LS Sedan and LS Convertible and optional on Base Coupe, Base Sedan and RS Coupe).
- **2.4 LITER "TWIN CAM" 4-CYLINDER ENGINE WITH SEQUENTIAL FUEL INJECTION** — standard on Z24, produces 150 horsepower @ 6000 rpm, for outstanding performance. A 5-speed manual transmission is standard and an electronically controlled 4-speed automatic with traction control is optional (LS Sedan is available with 4-speed automatic transmission only).
- **STANDARD POWER STEERING** — makes in-city parking and maneuvering easier.

A

APPEARANCE

- **RALLY SPORT COUPE MODEL** — offers sporty appearance to Base Coupe.
- **BODY-COLOR GRILLE** — included on Base Coupe and Sedan with Exterior Appearance Package.
- **THREE NEW COLORS** — Aquamarine Blue Metallic, Medium Opal Blue Metallic and Deep Purple Metallic.
- **NEW INTERIOR COLOR** — Light Gray.
- **OPTIONAL APPEARANCE PACKAGE (available on Base Coupe and Sedan models)** — includes body-color fascias and side moldings, 15" bolt-on wheel covers and P195/65R-15 Touring tires.
- **BASECOAT/CLEARCOAT PAINT** — resists fading and provides a high-gloss shine for long-lasting exterior beauty, and reduces the severity of water-spotting and etching from acid rain.
- **TWO-SIDE-GALVANIZED STEEL** — resists corrosion on all body panels except roof.
- **COMPOSITE HALOGEN HEADLAMPS** — combine aerodynamic styling, a high level of illumination and easy servicing.
- **BOLT-ON FULL WHEEL COVERS** — reduce chance of loss or theft (aluminum wheels on Z24).

C

COMFORT AND CONVENIENCE

- **BATTERY-RUNDOWN PROTECTION** — helps prevent a dead battery.
- **AVAILABLE REMOTE KEYLESS ENTRY** — includes power door locks and remote trunk release, makes vehicle entry quick and easy (not available on Base Sedan).
- **AIR CONDITIONING WITH CFC-FREE REFRIGERANT** — quickly cools interior for occupant comfort (standard on LS and Z24).
- **THEATRE DIMMING OF INTERIOR LIGHTS** — fades lights slowly when doors are closed.
- **OPTIONAL ZONED REAR-WINDOW DEFOGGER** — provides faster warmup in critical areas of window.
- **CLOTH RECLINING FRONT BUCKET SEATS** — combine support and comfort with a reclining feature.
- **INTERMITTENT WIPERS** — allow driver to match wiper speed to weather conditions.
- **FULL-FOLDING REAR SEATBACK** — provides additional cargo-carrying flexibility.
- **CENTER STORAGE CONSOLE** — adds comfort and convenience with an integral armrest and storage space.

E

EASY-TO-OWN

- **STAINLESS-STEEL EXHAUST SYSTEM** — includes all pipes, catalytic converter and muffler, to resist corrosion.
- **EXTENDED-LIFE COOLANT** — increases life of engine coolant*.
- **PLATINUM-TIP SPARK PLUGS** — designed to last up to 100,000 miles.*
- **SCOTCHGARD™ FABRIC PROTECTOR** — on cloth seats and door panels, resists stains and makes cleanup easy.
- **DEXRON III TRANSMISSION FLUID** — never needs changing under normal driving conditions.
- **BREAKAWAY OUTSIDE MIRRORS** — reduce the chance of damage.
- **GENUINE CUSTOMER CARE** — 3-year/36,000-mile, non-deductible, limited warranty, 24-Hour Roadside Assistance via toll-free hot line, and Courtesy Transportation if your vehicle ever needs warranty work (at participating dealers).

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

Cavalier

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Competitive Models

- Main competitors for Cavalier Coupe and Sedan include: Ford Escort, Dodge/Plymouth Neon, Honda Civic and Toyota Corolla.
- Chief competitors for Cavalier Z24 Coupe include: Eagle Talon and Ford Probe.

Additional Information on Significant Features

- Every Cavalier model features a 4-wheel anti-lock brake system (ABS) as standard equipment. ABS helps reduce wheel lockup and helps the driver maintain steering control during severe braking.
- Driver and front-passenger air bags are standard in every Cavalier, helping to reduce the chance of injury in certain moderate to severe frontal collisions. Always wear safety belts, even with air bags.
- Cavalier has a rigid body structure that provides outstanding ride and handling and a smooth and quiet ride. Its body structure is also designed to provide a safety cage for the occupants to help protect them from injury in the event of a collision.
- Theatre dimming fades interior lights slowly and evenly when the doors are closed.
- Cavalier has battery-rundown protection, helping to prevent a dead battery due to interior lights being inadvertently left on.
- The rear-window defogger on the Cavalier is "zoned," allowing different amperage to be delivered to different areas of the rear-window defogger grid. The result is fast defogging of critical areas of the rear window.
- Cavalier features as standard equipment PassLock theft-deterrent system, a completely passive device that requires no special key. PassLock reads the timing of ignition circuits and compares it to a measurement circuit in the steering column.

Feature Availability

	COUPE/ SEDAN	LS SEDAN	RS COUPE	LS CONVERTIBLE	Z24 COUPE
INTERIOR					
Air Bags - Driver and Front-Passenger	S	S	S	S	S
Air Conditioning - with CFC-Free Refrigerant	O	S	O	S	S
Defogger - Rear-Window, Electric	O	O	O	O	O
Door Locks - Power	O	O	O	O	O
Scotchgard™ Fabric Protector	S	S	S	S	S
Seat - Full-Folding, Rear	S	S	S	S	S
Speed Control - Electronic	O	O	O	O	O
Stereo - AM/FM	O	S	S	S	NA
- AM/FM w/Cassette Player	O	O	O	O	S
- AM/FM w/Cassette Player and Premium Coaxial Speakers	O	O	O	O	O
- AM/FM w/CD Player and Premium Coaxial Speakers	O	O	O	O	O
Sunroof - Power	O/NA	NA	O	NA	O
Trunk Release - Mechanical Remote	O	S	S	S	S
Tachometer - w/Trip Odometer	NA	S	S	S	S
Windows - Power	O/NA	O	O	O	O
Wipers - Intermittent Fixed	S	S	NA	S	S
- Intermittent Variable	O	O	S	O	O
EXTERIOR					
Exhaust System - Stainless-Steel	S	S	S	S	S
Moldings - Body-Side, Body-Color	O	S	S	S	S
Paint - Basecoat/Clearcoat	S	S	S	S	S
Spoiler - Rear Decklid	NA	NA	S	S	S
Tires - P195/70R-14 Blackwall	S	NA	NA	NA	NA
- P195/65R-15 Blackwall	O	S	S	S	NA
- P205/55R-16 Performance	NA	NA	NA	NA	S
Wheel Covers - 14" Bolt-On, Full	S	NA	NA	NA	NA
- 15" Bolt-On, Full	O	S	S	S	NA
Wheels - 15" Aluminum	NA	O	O	O	NA
- 16" Aluminum	NA	NA	NA	NA	S
FUNCTIONAL					
Brakes - 4-Wheel Anti-Lock	S	S	S	S	S
Brake/Transmission Shift Interlock ¹	S	S	S	S	S
Engine - 2.2 Liter L4 with SFI	S	S	S	S	NA
- 2.4 Liter L4 Twin Cam w/SFI	NA	O	NA	O	S
PassLock Theft-Deterrent System	S	S	S	S	S
Steering - Power Rack-and-Pinion	S	S	S	S	S
Transmission - 5-Speed Manual	S	NA	S	O ²	S
- 3-Speed Automatic	O	NA	O	NA	NA
- 4-Speed Electronically Controlled Automatic with Traction Control	O	S	O	S	O

S—Standard. O—Optional (some options may be available only as part of a Preferred Equipment Group. See your Order Guide for feature availability). NA—Not available. 1—Requires automatic transmission. 2—Requires 2.4 Liter engine.

The values must match to enable the engine to start. If unauthorized ignition is used, the vehicle will start, but immediately shut down. The fuel injectors will remain disabled for up to ten minutes before the car can be started again.

- Remote Keyless Entry locks and unlocks doors from a key ring transmitter.

- Maintenance-reducing features include:
 - Dexron III Transmission Fluid
 - Platinum-Tip Spark Plugs

- Extended-Life Coolant
- Stainless-Steel Exhaust System, aluminized stainless steel on muffler and tailpipe.

1997 NEW PRODUCT HIGHLIGHTS

CAVALIER

NEW RS COUPE - FEATURES A REAR SPOILER, TACHOMETER, EXTERIOR DECALS, HEADREST EMBROIDERY, BODY COLORED FASCIA'S AND 15" WHEELS AND TIRES. THE RS COUPE IS AVAILABLE IN FIVE EXTERIOR COLORS WITH A GRAPHITE INTERIOR.

THREE NEW COLORS ARE AVAILABLE IN 1997: AQUAMARINE BLUE; MEDIUM OPAL BLUE; AND DEEP PURPLE. THESE THREE NEW COLORS REPLACE MEDIUM BRIGHT BLUE, HAWAIIAN ORCHID AND RASPBERRY FROM THE 1996 PALETTE.



CAVALIER

REVISED 8-19-96

1997 ORDER GUIDE

CAVALIER
Page 1

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

**CAVALIER
EQUIPMENT SUMMARY**

STANDARD INTERIOR FEATURES		1JC37/ 1JC69	1JC37 RS	1JF69	1JF37	1JF67
AIR CONDITIONING:		--	--	S	S	S
CARGO NET:	LUGGAGE AREA	--	S	S	S	S
CUPHOLDER:		S	S	S	S	S
DEFOGGERS:	SIDE WINDOWS	S	S	S	S	S
GAGES:	TACHOMETER AND TRIP ODOMETER	--	S	S	S	S
GLASS:	TINTED	S	S	S	S	S
LIGHTING:	COURTESY LAMPS, DOME (EXCLUDES CONV), GLOVE BOX, TRUNK	S	S	S	S	S
	DUAL HEADLINER MOUNTED READING LAMP	--	--	S	S	--
	MIRROR MOUNTED DUAL READING LAMPS	--	--	--	--	S
PASSLOCK:	THEFT DETERRENT SYSTEM	S	S	S	S	S
RADIO:	ELECTRONICALLY TUNED AM/FM STEREO RADIO W/SEEK-SCAN, DIGITAL CLOCK	--	S	S	--	S
	ELECTRONICALLY TUNED AM/FM STEREO RADIO W/SEEK-SCAN, DIGITAL CLOCK AND CASSETTE TAPE	--	--	--	S	--
RESTRAINT SYSTEM:	DRIVER AND PASSENGER SIDE AIR BAGS	S	S	S	S	S
SAFETY BELTS:	REAR COMFORT GUIDE, CHILD REAR SEAT	S	S	S	S	S
SCOTCHGARD:	FABRIC PROTECTOR, INCLUDES SEATS AND DOOR TRIM	S	S	S	S	S
STEERING WHEEL:	TILT	--	--	--	S	--
TRUNK RELEASE:	MECHANICAL OPENER	--	S	S	S	S
WIPERS:	INTERMITTENT, FIXED DELAY	S	--	S	S	S
	INTERMITTENT, VARIABLE	--	S	--	--	--

STANDARD EXTERIOR FEATURES

INSULATOR PAD:	ENGINE COMPARTMENT AND UNDER HOOD	S	S	S	S	S
LIGHTS:	DAYTIME, RUNNING	S	S	S	S	S
PAINT:	BASE COAT/CLEAR COAT	S	S	S	S	S
TIRES:	P195/70R-14 B/W	S	--	--	--	--
	P195/65R-15 B/L	--	S	S	--	S
	P205/55R-16 B/L	--	--	--	S	--
TRUNK TRIM :	DELUXE	S	S	S	S	S

STANDARD CHASSIS FEATURES

BATTERY:	RUNDOWN PROTECTION	S	S	S	S	S
BRAKES:	4-WHEEL ANTI-LOCK	S	S	S	S	S
ENGINE:	2.2 LITER SFI L4	S	S	S	--	S
	2.4 LITER TWIN CAM SFI L4	--	--	--	S	--
EXHAUST SYSTEM:	STAINLESS STEEL W/ALUMINIZED STAINLESS STEEL MUFFLER AND TAIL PIPES	S	S	S	S	S
FUEL TANK:	15.2 GALLON CAPACITY	S	S	S	S	S
SPARK PLUGS:	PLATINUM TIPPED	S	S	S	S	S
STEERING:	POWER RACK AND PINION	S	S	S	S	S
TRANSMISSION:	4-SPEED ELECTRONICALLY CONTROLLED AUTOMATIC W/TRACTION CONTROL	--	--	S	--	S
	5-SPEED MANUAL	S	S	--	S	--

CAVALIER TRIM DEFINITION & OPTION SUMMARY

INTERIOR TRIM		1JC37/ 1JC69	1JC37 RS	1JF69	1JF37	1JF67
CONSOLE:	FLOOR SHIFTER WITH INTEGRAL ARMREST AND STORAGE	S	S	S	S	S
FLOOR COVERING:	CARPETING, PASSENGER FLOOR	S	S	S	S	S
	FLOOR MATS	--	S	S	S	S
MIRRORS:	REARVIEW, DAY/NIGHT INSIDE	S	S	S	S	S
	DUAL COVERED VISOR MIRRORS W/MAP STRAPS	--	S	S	S	S
SEAT:	REAR FULL FOLDING	S	S	S	S	S
SEATING:	CLOTH & VINYL RECLINING FRONT BUCKET SEATS WITH ADJUSTABLE HEAD RESTRAINT	S	S	--	--	--
	CLOTH RECLINING FRONT BUCKET SEATS WITH ADJUSTABLE HEAD RESTRAINT	--	--	S	S	S
	EASY ENTRY PASSENGER SEAT	--	S	--	S	S
	EMBROIDERED 'RALLY SPORT' HEAD REST	--	S	--	--	--

EXTERIOR TRIM						
APPEARANCE PKG:	RALLY SPORT	--	S	--	--	--
BUMPERS:	5 MPH	S	S	S	S	S
DECAL:	"RALLY SPORT"	--	S	--	--	--
FASCIAS:	BODY COLORED	--	S	S	S	S
HEADLAMPS:	COMPOSITE HALOGEN	S	S	S	S	S
LAMPS:	FOG	--	--	--	S	--
MIRRORS:	BREAKAWAY, SPORT LH REMOTE AND RH MANUAL	S	S	S	S	S
MOLDINGS:	BODY SIDE, COLOR-KEYED	--	S	S	S	S
MUD GUARDS:	FRONT	--	S	S	--	--
SPOILER:	REAR DECK	--	S	--	S	S
WHEEL COVERS:	14" BOLT-ON FULL WHEEL COVERS	S	--	--	--	--
	15" BOLT-ON FULL WHEEL COVERS	--	S	S	--	S
	16" CAST ALUMINUM WHEEL	--	--	--	S	--

*11,480.00

Model 1JC37 Cavalier Coupe

*Includes Destination and Handling Charges

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

N.C.	Base Equipment Group (Refer Standard Equipment Summary)	1SA	1SB	1SC	1SD
		x	x	x	x
240.00	Preferred Equipment Group 1 Convenience Net, Cargo Area Floor Covering: Carpeted Mats, Color-Keyed Front and Rear Mirrors, Dual Covered Visor with Map Straps Moldings: Bodyside Charcoal (Body Color w/W27) Mud Guards, Front Seat, Easy Entry Passenger Trunk Opener, Mechanical Windshield Wiper System, Intermittent Variable		x	x	x
			x	x	x
			x	x	x
			x	x	N/A
			x	x	x
			x	x	x
			x	x	N/A x
			x	x	x
696.00	Preferred Equipment Group 2 Mirrors, Power Speed Control: Electronic, with Resume Speed Steering, Tilt Wheel, Adjustable Steering column			x	x
				x	x
				x	x
1295.00	Preferred Equipment Group 3 (Reqs W27 Exterior Pkg) Power Windows Remote Keyless Entry (Incls Power Door Locks and Trunk Release)				x
					x

ADDITIONAL OPTIONS

ACKNOWLEDGEMENTS	
N.C.	R8S Multiple Order Numbers
V.P.S.	R8T Preliminary Invoice
AIR CONDITIONING: (One of the Following Options Must be Specified)	
795.00	C60 Air Conditioning
N.C.	R6G Air Conditioning Not Desired
255.00	W27 APPEARANCE PACKAGE: Exterior (Incls Body Color Fascias and Side Moldings, 15" Bolt-on Wheel Covers, and P195/65R15 BL Touring Tires) (N/A w/1SA)
N.C.	VK3 BRACKET: License Plate, Front
DEFOGGER: (One of the Following Options Must be Specified)	
170.00	C49 Rear Window: Electric
N.C.	R9W Rear Window Defogger not Desired
210.00	AU3 DOOR LOCKS: Power w/o 1SD
EMISSIONS (Refer Emission Requirement Tab Section)	
N.C.	FE9 Federal Emission Requirement
170.00	NG1 Massachusetts/NY Emission Requirement
170.00	YF5 California Emission Requirement
N.C.	NB8 California Emission or NY/MA State Emission Override (Reqs FE9 Emission)
N.C.	NC7 Federal Emission Override (Reqs YF5/NG1 Emission)
N.C.	LN2 ENGINE: 2.2 Liter SFI L4
20.00	K05 HEATER: Engine Block

CAVALIER COUPE

ADDITIONAL OPTIONS CONT'D

RADIO EQUIPMENT: (Note: Radio Option Must Be Specified)		
332.00	UM7	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock
497.00	UM6	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock and Stereo Cassette Tape
552.00	ULO	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Cassette Tape, Theft Lock and Speed Compensated Volume (Incls Premium Front and Rear ^{and Rear} Coaxial Speakers)
652.00	UN0	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock and Speed Compensated Volume (Incls Premium Front and ^{and} Coaxial Speakers)
N.C.	UL5	Radio Delete (Speakers and Antenna Not Included)
N.C.	AR9	SEAT: Bucket
670.00	CF5	SUNROOF: Electric (N/A Group 1SA) (Incls Mirror Map Light)
TRANSMISSIONS		
N.C.	MM5	5-Speed Manual (Base)
550.00	MX1	3-Speed Automatic
795.00	MX0	4-Speed Automatic Electronically Controlled (Incls NW7 Traction Control)

CAVALIER 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	Med Blue	Lt Gray	Neutral
MODEL	SEAT TYPE	SEAT OPTION*			
1JC37	Cloth Bucket	AR9	12B	30B	92B 52B

* Seat Option AR9 Must Be Specified

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code	Graphite	Med Blue	Lt Gray	Neutral
Aqua, Bright (Met)	43U	x		x	x
Black	41U	x		x	x
Blue, Aquamarine (Met)	22U	x		x	
Blue, Med Opal (Met)	24U	x	x	x	
Green (Met)	37U	x		x	x
Purple, Deep (Met)	89U	x		x	x
Red, Bright	81U	x		x	x
Red, Cayenne (Met)	96U	x		x	x
Sandrift (Met)	49U	x			x
White, Bright	16U	x	x	x	x

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO		
	3.18	3.58	3.63
LN2 MM5	----	Std	----
MX1	Std	----	----
MXO	---	---	Std

CAVALIER RS COUPE

*12,725.00

Model 1JC37 Cavalier RS Coupe

*Includes Destination and Handling Charges

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

	Base Equipment Group (Refer Standard Equipment Summary)	1SU	1SV	1SW
		x	x	x
456.00	Preferred Equipment Group 1 Mirrors, Power Speed Control: Electronic, with Resume Speed Steering, Tilt Wheel, Adjustable Steering column		x x x	x x x
856.00	Preferred Equipment Group 2 Power Windows Remote Keyless Entry (Incls Power Door Locks and Trunk Release)			x x

ADDITIONAL OPTIONS

	ACKNOWLEDGEMENTS	
N.C.	R8S	Multiple Order Numbers
V.P.S.	R8T	Preliminary Invoice
	AIR CONDITIONING: (One of the Following Options Must be Specified)	
795.00	C60	Air Conditioning
N.C.	R6G	Air Conditioning Not Desired
N.C.	VK3	BRACKET: License Plate, Front
	DEFOGGER: (One of the Following Options Must be Specified)	
170.00	C49	Rear Window: Electric
N.C.	R9W	Rear Window Defogger not Desired
210.00	AU3	DOOR LOCKS: Power
	EMISSIONS (Refer Emission Requirement Tab Section)	
N.C.	FE9	Federal Emission Requirement
170.00	NG1	Massachusetts/NY Emission Requirement
170.00	YF5	California Emission Requirement
N.C.	NB8	California Emission or NY/MA State Emission Override (Reqs FE9 Emission)
N.C.	NC7	Federal Emission Override (Reqs YF5/NG1 Emission)
N.C.	LN2	ENGINE: 2.2 Liter SFI L4
20.00	K05	HEATER: Engine Block
	RADIO EQUIPMENT	
165.00	UM6	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock and Cassette Tape
220.00	UL0	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Cassette Tape, Theft Lock and Speed Compensated Volume (Incls Premium Front and Rear Coaxial Speakers)
320.00	UN0	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock and Speed Compensated Volume (Incls Premium Front and Rear Coaxial Speakers)
N.C.	AR9	SEAT: Bucket
670.00	CF5	SUNROOF: Electric (Incls Mirror Map Light)
	TRANSMISSIONS	
N.C.	MM5	5-Speed Manual (Base)
550.00	MX1	3-Speed Automatic
795.00	MX0	4-Speed Automatic Electronically Controlled (Incls NW7 Traction Control)
295.00	PF7	WHEELS: 15" Aluminum

CAVALIER RS 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	
MODEL	SEAT TYPE	SEAT OPTION*	
1JC37	Cloth Bucket	AR9	12E

* Seat Option AR9 Must Be Specified

SOLID PAINT APPLICATION

Exterior Paint		
Color	Color Code	Graphite
Aqua, Bright (Met)	43U	x
Black	41U	x
Green (Met)	37U	x
Purple, Deep (Met)	89U	x
White, Bright	16U	x

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO		
	3.18	3.58	3.63
LN2 MM5	----	Std	----
MX1	Std	----	----
MX0	---	---	Std

*11,680.00

Model 1JC69 CAVALIER SEDAN

*Includes Destination and Handling Charges

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

N.C.	Base Preferred Equipment Group (Refer Standard Equipment Summary)	1SE	1SF	1SG
		x	x	x
223.00	Preferred Equipment Group 1 Convenience Net, Cargo Area Floor Covering: Carpeted Mats, Color-Keyed Front and Rear Mirrors: Dual, Covered Visor w/Map Straps Moldings: Bodyside, Charcoal (Body Color w/W27) Mud Guards, Front Trunk Opener, Mechanical Windshield Wiper System, Intermittent, Variable		x	x
			x	x
			x	x
			x	x
			x	x
			x	x
593.00	Preferred Equipment Group 2 Speed Control: Electronic, with Resume Speed Steering, Tilt Wheel, Adjustable Steering Column			x
				x

ADDITIONAL OPTIONS

		ACKNOWLEDGEMENTS		
N.C.	R8S	Multiple Order Numbers		
V.P.S.	R8T	Preliminary Invoice		
		AIR CONDITIONING: (One of the Following Options Must Be Specified)		
795.00	C60	Air Conditioning		
N.C.	R6G	Air Conditioning Not Desired		
255.00	W27	APPEARANCE PACKAGE: (Incls Body Color Fascias and Side Moldings, 15" Bolt-On Wheel Covers and P195/65R BL Touring Tires) (N/A 1SE)		
N.C.	VK3	BRACKET: License Plate, Front		
		DEFOGGER: (One of the Following Options Must Be Specified)		
170.00	C49	Rear Window: Electric		
N.C.	R9W	Rear Window Defogger Not Desired		
250.00	AU3	DOOR LOCKS: Power		
		EMISSIONS: (Refer Emission Requirement Tab Section)		
N.C.	FE9	Federal Emission Requirement		
170.00	NG1	Massachusetts/NY Emission Requirement		
170.00	YF5	California Emission Requirement		
N.C.	NB8	California Emission or NY/MA State Emission Override (Reqs FE9 Emissions)		
N.C.	NC7	Federal Emission Override (Reqs YF5/NG1 Emissions)		
N.C.	LN2	ENGINE: 2.2 Liter SFI L4 (Base)		
20.00	K05	HEATER: Engine Block		
		RADIO EQUIPMENT (Note: Radio Options Must Be Specified)		
332.00	UM7	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan and Digital Clock		
497.00	UM6	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock and Cassette Tape		
552.00	UL0	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Cassette Tape, Theft Lock and Speed Compensated Volume (Incls Premium Front and Rear Coaxial Speakers)		
652.00	UN0	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock and Speed Compensated Volume (Incls Premium Front and Rear Coaxial Speakers)		
N.C.	UL5	Radio Delete (Base) (Speakers and Antenna Not Included)		
N.C.	AR9	SEAT: Bucket		
		TRANSMISSION		
N.C.	MM5	5-Speed Manual (Base)		
550.00	MX1	3-Speed Automatic		
795.00	MX0	4-Speed Automatic Electronically Controlled (Incls NW7 Traction Control)		

CAVALIER 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	Med Blue	Lt Gray	Neutral		
MODEL	SEAT TYPE	SEAT OPTION*				
1JC69	Cloth Bucket	AR9	12B	30B	92B	52B

* Seat Option AR9 Must Be Specified

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code	Graphite	Med Blue	Lt Gray	Neutral
Aqua, Bright (Met)	43U	x		x	x
Black	41U	x		x	x
Blue, Aquamarine (Met)	22U	x		x	
Blue, Med Opal (Met)	24U	x	x	x	
Green (Met)	37U	x		x	x
Purple, Deep (Met)	89U	x		x	x
Red, Bright	81U	x		x	x
Red, Cayenne (Met)	96U	x		x	x
Sandrift (Met)	49U	x			x
White, Bright	16U	x	x	x	x

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO		
	3.18	3.58	3.63
LN2 MM5	---	Std	---
MX1	Std	---	---
MX0	---	---	Std

CAVALIER LS SEDAN

*13,880.00

Model 1JF69 Cavalier LS Sedan

*Includes Destination and Handling Charges

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

N.C.	Base Preferred Equipment (Refer Standard Equipment Summary)	1SH	1SJ	1SK
		x	x	x
435.00	Preferred Equipment Group 1 Tilt-wheel Adjustable Steering Column Speed Control: Electronic, with Resume Speed Windshield Wiper System, Intermittent, Variable		x x x	x x x
1,225.00	Preferred Equipment Group 2 Mirrors: Twin Remote Electric Power Windows, Driver's Express Down Remote Keyless Entry (Incls Power Door Locks and Trunk Release)			x x x

ADDITIONAL OPTIONS

ACKNOWLEDGEMENTS				
N.C.	R8S	Multiple Order Numbers		
V.P.S.	R8T	Preliminary Invoice		
N.C.	VK3	BRACKET: License Plate, Front		
DEFOGGER:(One of the Following Options Must Be Specified)				
170.00	C49	Rear Window: Electric		
N.C.	R9W	Rear Window Defogger not Desired		
250.00	AU3	DOOR LOCKS: Power w/o 1SK		
EMISSION: (Refer Emission Requirement Tab Section)				
N.C.	FE9	Federal Emission Requirement		
170.00	NG1	Massachusetts/NY Emission Requirement		
170.00	YF5	California Emission Requirement		
N.C.	NB8	California Emission NY/MA State Emission Override (Reqs FE9 Emissions)		
N.C.	NC7	Federal Emission Override (Reqs YF5/NG1 Emission)		
ENGINE				
N.C.	LN2	2.2 Liter SFI L4 (Base)		
395.00	LD9	2.4 Liter L4 SFI Twin Cam		
20.00	K05	HEATER: Engine Block		
165.00	UM6	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock and Cassette Tape		
220.00	UL0	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Cassette Tape, Theft Lock and Speed Compensated Volume (Incls Premium Front and Rear Coaxial Speakers)		
320.00	UN0	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock and Speed Compensated Volume (Incls Premium Front and Rear Coaxial Speakers)		
N.C.	AR9	SEAT: Bucket		
TRANSMISSION:				
N.C.	MX0	4-Speed Automatic Electronically Controlled (Incls NW7 Traction Control)		
295.00	PF7	WHEEL: 15" Aluminum		

CAVALIER LS 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	Med Blue	Lt Gray	Neutral		
MODEL	SEAT TYPE	SEAT OPTION*				
1JF69	Sport Cloth Bucket	AR9	12C	30C	92C	52C

* Seat Option AR9 Must Be Specified

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code	Graphite	Med Blue	Lt Gray	Neutral
Aqua, Bright (Met)	43U	x		x	x
Black	41U	x		x	x
Blue, Aquamarine (Met)	22U	x		x	
Blue, Med Opal (Met)	24U	x	x	x	
Green (Met)	37U	x		x	x
Purple, Deep (Met)	89U	x		x	x
Red, Bright	81U	x		x	x
Red, Cayenne (Met)	96U	x		x	x
Sandrift (Met)	49U	x			x
White, Bright	16U	x	x	x	x

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO	
	3.63	3.91
LN2 MX0	Std	----
LD9 MX0	----	Std

*14,965.00

MODEL 1JF37 Z24 COUPE

*Includes Destination and Handling Charges

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

		1SL	1SM	1SN
N.C.	Base Preferred Equipment Group (Refer Std Equipment Summary)	x	x	x
290.00	Preferred Equipment Group 1 Speed Control: Electronic, with Resume Speed Windshield Wiper System, Intermittent Variable		x x	x x
975.00	Preferred Equipment Group 2 Mirrors: Twin Remote, Electric Power Windows with Driver's Express Down Remote Keyless Entry (Incls Power Door Locks and Trunk Release)			x x x

ADDITIONAL OPTIONS

		ACKNOWLEDGEMENTS
N.C.	R8S	Multiple Order Numbers
V.P.S.	R8T	Preliminary Invoice
N.C.	VK3	BRACKET: License Plate, Front
		DEFOGGER: (One of the Following Options Must be Specified)
170.00	C49	Rear Window, Electric
N.C.	R9W	Rear Window Defogger Not Desired
210.00	AU3	DOOR LOCKS: Power
		EMISSIONS (Refer Emission Requirement Tab Section)
N.C.	FE9	Federal Emission Requirements
170.00	NG1	Massachusetts/NY Emission Requirements
170.00	YF5	California Emission Requirements
N.C.	NB8	California Emission or NY/MA State Emission Override (Reqs FE9 Emission)
N.C.	NC7	Federal Emission Override (Reqs YF5/NG1 Emission)
N.C.	LD9	ENGINE: 2.4 Liter SFI L4 Twin Cam
20.00	K05	HEATER: Engine Block
		RADIO EQUIPMENT
55.00	ULO	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Cassette Tape, Theft Lock and Speed Compensated Volume (Incls Premium Front and Rear Coaxial Speakers)
155.00	UN0	Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock and Speed Compensated Volume (Incls Premium Front and Rear Coaxial Speakers)
N.C.	AR9	SEAT TRIM: Cloth Bucket
670.00	CF5	SUN ROOF: Electric (Reqs 1SM or 1SN) (Incls Mirror Map Light)
		TRANSMISSION
N.C.	MM5	5-Speed Manual (Base)
795.00	MX0	4-Speed Automatic Electronically Controlled (Incls NW7 Traction Control)

CAVALIER Z24 COUPE

COLOR AND TRIM SELECTION

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

Interior Trim Color	Graphite	Med Blue	Lt Gray	Neutral		
MODEL	SEAT TYPE					
1JF37	Sport Cloth Bucket	AR9	12D	30C	92C	52C

SOLID PAINT APPLICATION

Exterior Paint Color	Color Code	Graphite	Med Blue	Lt Gray	Neutral
Aqua, Bright (Met)	43U	x		x	x
Black	41U	x		x	x
Blue, Aquamarine (Met)	22U	x		x	
Blue, Med Opal (Met)	24U	x	x	x	
Green (Met)	37U	x		x	x
Purple, Deep (Met)	89U	x		x	x
Red, Bright	81U	x		x	x
Red, Cayenne (Met)	96U	x		x	x
White, Bright	16U	x	x	x	x

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO	
	3.91	3.94
LD9 MM5	----	Std
MX0	Std	----

*18,265.00 **Model 1JF67 LS Convertible**

*Includes Destination and Handling Charges

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

N.C.	Base Preferred Equipment Group (Refer Std Equipment Summary)	1SP	1SQ	1SR
		x	x	x
435.00	Preferred Equipment Group 1 Speed Control: Electronic, with Resume Speed Steering, Tilt wheel, Adjustable Steering Column Windshield Wiper System, Intermittent Variable		x x x	x x x
1120.00	Preferred Equipment Group 2 Mirrors: Twin Remote Electric Power Windows with Driver's Express Down Remote Keyless Entry (Incls Power Door Locks and Trunk Release)			x x x

ADDITIONAL OPTIONS

	ACKNOWLEDGEMENTS	
N.C.	R8S Multiple Order Numbers	
V.P.S.	R8T Preliminary Invoice	
N.C.	VK3 BRACKET: License Plate, Front	
	DEFOGGER: (One of the Following Options Must Be Specified)	
170.00	C49 Rear Window: Electric	
N.C.	R9W Rear Window Defogger Not Desired	
210.00	AU3 DOOR LOCKS: Power	
	EMISSIONS (Refer Emission Requirement Tab Section)	
N.C.	FE9 Federal Emission Requirement	
170.00	NG1 Massachusetts/NY Emission Requirement	
170.00	YF5 California Emission Requirement	
N.C.	NB8 California Emission or NY/MA State Emission Override (Reqs FE9 Emission)	
N.C.	NC7 Federal Emission Override (Reqs YF5/NG1 Emission)	
	ENGINES	
N.C.	LN2 2.2 Liter SFI L4 (Base)	
395.00	LD9 2.4 Liter SFI L4 Twin Cam	
20.00	K05 HEATER: Engine Block	
	RADIO EQUIPMENT	
165.00	UM6 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock and Cassette Tape	
220.00	UL0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Cassette Tape, Theft Lock and Speed Compensated Volume (Incls Premium Front and Rear Coaxial Speakers)	
320.00	UN0 Electronically Tuned AM/FM Stereo Radio w/Seek-Scan, Digital Clock, Automatic Tone Control, Compact Disc Player, Theft Lock and Speed Compensated Volume (Incls Premium Front and Rear Coaxial Speakers)	
	SEAT TRIM	
N.C.	AR9 Cloth Bucket	
50.00	AS5 Vinyl Bucket (w/Adjustable Lumbar Support Driver Side Only)	
	TRANSMISSIONS	
(-795.00)	MM5 5-Speed Manual (Reqs LD9 Eng)	
N.C.	MX0 4-Speed Automatic Electronically Controlled (Incls NW7 Traction Control) (Base)	
295.00	PF7 WHEELS: Aluminum 15"	

CAVALIER LS 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			Arctic White	Graphite	Lt Gray	Neutral
MODEL	SEAT TYPE	SEAT OPTION*				
1JF67	Sport Cloth Bucket	AR9		12C	92C	52C
	# Vinyl Bucket	AS5	10N			

*Seat Option AR9 or AS5 Must Be Specified
Includes Adjustable Lumbar Support (Driver Side Only)

@CONVERTIBLE TOP AND PAINT SELECTOR

Exterior Paint Color	ColorCode	Arctic White	Graphite	Lt Gray	Neutral
Aqua, Bright (Met)	43U	16T/41T		16T/41T	
Black	41U		16T/41T	16T/41T	16T/41T
Blue, Opal (Met)	24U	16T/41T	16T/41T		
Green (Met)	37U	16T/41T	16T/41T	16T/41T	
Purple, Deep (Met)	89U	16T/41T	16T/41T	16T/41T	16T/41T
Red, Bright	81U	16T/41T	16T/41T	16T/41T	16T/41T
White, Bright	16U	16T/41T	16T/41T	16T/41T	16T/41T

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

CONVERTIBLE TOP COLOR

ARCTIC WHITE.....16T BLACK.....41T

POWER TEAMS

ENGINE OPTION CONDITION	FINAL DRIVE RATIO		
	3.63	3.91	3.94
LD9 MX0	----	Std	----
MM5	----	----	Std
LN2 MX0	Std	----	----