

Specifications

Form

Passenger Car

1983

METRIC (U.S. Customary)

Manufacturer CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Car Line CAVALIER	
Mailing Address CHEVROLET ENGINEERING 30003 VAN DYKE WARREN, MICHIGAN 48090	Model Year 1983	Issued: SEPTEMBER, 1982 Revised (*): FEBRUARY, 1983

Revised sheets- 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 17, 21

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown above. This specification form was developed by automobile manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc.

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

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Table of Contents

1	Car Models
2	Power Teams
3-6	Engine
4	Lubrication System
4	Diesel Information
5	Fuel System
6	Cooling System
7	Vehicle Emission Control
7	Exhaust System
8, 9	Electrical
10-12	Transmission, Axles and Shafts
13	Tires and Wheels
13, 14	Brakes
15, 16	Steering
17	Suspension — Front and Rear
18	Body — Miscellaneous Information
18	Passive Restraint System
18	Frame
19	Convenience Equipment
20	Feature Highlights
21	Vehicle Mass (Weight)
22	Optional Equipment Mass (Weight)
23-25	Car and Body Dimensions
26	Vehicle Fiducial Marks
27	Glass/Lamps and Headlamp
28-32	Car and Body Dimension Key Sheets
33	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 completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) _____

Car Models

Model Description	Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)		Max. Truck/Cargo Load - Kilograms (Pounds)
CAVALIER		MODEL NUMBER	FRONT/REAR		
2-Door Notchback Coupe		1JC27	2	3	60.0 (132.3)
4-Door Notchback Sedan		1JC69	2	3	61.8 (136.2)
4-Door Liftgate wagon		1JC35	2	3	92.7 (204.4)
CAVALIER "CS"					
2-Door Notchback Coupe		1JD27	2	3	60.0 (132.3)
2-Door Hatchback Coupe		1JE77	2	3	72.0 (158.7)
4-Door Notchback Sedan		1JD69	2	3	61.8 (136.2)
4-Door Liftgate Wagon		1JD35	2	3	92.7 (204.4)

Note: Any specifications on the following pages that are specific to California requirements are indicated accordingly.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) 9-82

Power Teams (Indicate whether standard or optional)

SAE Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

SERIES AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (std first) (indicate A/C ratio) (+)	
	Displ. Liters (in ³)	Carb (Barrels, Fl. etc.)	Compr. Ratio	SAE Net at RPM				Exhaust System*
				kW (bhp)	Torque N - m (lb. ft.)			
Base - All States	L-4 2.0 Liter (121 CID) LQ5	EFI *	9.3:1	88 @	110 @	S	Man. 5-Spd. 3.92 Low Base@	Base Opt. 2.36 -
				4800	2400		Man. 4-Spd. 3.53 Low Base	3.32 -
							Man. 5-Spd. 3.92 Low Avail.	2.83 -
							Auto '125c' Avail.	3.18 3.73

* - Electronic Fuel Injection
 @ - ME model only (RPO ZJ5)
 + - Final drive ratio

* S - Single D - Dual

MVMA Specifications Form
Passenger Car
 METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 9-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.0 Liter I-4 (121 CID)
 ELECTRONIC FUEL INJECTION
 RPO L05

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, etc.)	In line Front Transverse, front of engine faces right side of vehicle	
No. of cylinders	4	
Bore	89 (3.50)	
Stroke	80 (3.15)	
Bore spacing (c/I to c/I)	99 (3.90)	
Cylinder block material	Cast Iron	
Cylinder block deck height	215.55 (8.49)	
Deck clearance (minimum) (above or below block)	0.15 (.006) below	
Cylinder head material	Cast Iron	
Cylinder head volume (cm ³)		
Head gasket thickness (compressed)	1.1 (.043)	
Minimum combustion chamber volume (cm ³)	45.3 (2.76)	
Cyl. no. system (front to rear)*	L Bank	1-2-3-4
	R Bank	--
Firing order	1-3-4-2	
Recommended fuel (leaded/unleaded/diesel)	Unleaded	
Fuel antiknock index (R - M) 2	87	
Total dressed engine mass (wt) dry**	114.4 (252) Auto, 119 (262) Man	

Engine - Pistons

Material	Aluminum Alloy
Mass (kg weight lbs) - Piston Only	467 (16.5)

Engine - Camshaft

Location	In Cyl. Block	
Material (kg weight lbs)	Cast Iron	
Mass (kg weight lbs)	3.138 (6.92)	
Type of drive (chain or belt)	Width	Chain, 19.3 (.76)
	Pitch	9.53

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

** Dressed engine mass (weight) includes the following

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 9-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.0 LITER L-4 (121 CID)
 ELECTRONIC FUEL INJECTION
 RPO LQ5

Engine - Valve System

Liters (std., opt., n.a.)	Hydraulic	Standard
	Solid	--

Engine - Connecting Rods

Material & mass (kg., weight, lbs.)	Steel .703 (1.550)
-------------------------------------	--------------------

Engine - Crankshaft

Material (kg., weight, lbs.)	Nodular Cast Iron
Mass (kg., weight, lbs.)	12.746 (28.10)
End thrust taken by bearing (no.)	5

Engine - Lubrication System

Normal oil pressure (kPa (psi) at engine rpm)	435-530 (63-77) @ 1200
Type oil intake (floating stationary)	Stationary
Oil filter system (full flow part other)	Full Flow
Capacity of oil case (less filter-refill-L (qt))	3.8 (4.0)

Engine - Diesel Information

Glow plug, current drain at 0°F		
Injector nozzle	Type	Not available
	Opening pressure (kPa (psi))	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 9-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.0 LITER L-4 (121 CID)
 ELECTRONIC FUEL INJECTION
 RPO L05

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

Induction type: carburetor, fuel injection system, etc.		Fuel Injection (Computer Command Control)	
Carburetor	Migr	Rochester	
	Choke (type)	--	
	Idle spd -rpm (spec neutral or drive and propane if used)	Manual	--
		Automatic	--
Idle A/F mix		Preset - No Adjustment Provided	
Fuel injection	Point of injection (no)	Throttle Body	
	Constant, pulse, flow	Pulse	
	Control (electronic mech)	Electronic	
	System pressure (kPa (psi))	68.95-82.74 (10-12)	
Intake manifold heat control (exhaust or water) thermostatic or fixed		Water	
Air cleaner type	Standard	Replaceable Paper Element Single Snorkel	
	Optional	None	
Fuel pump	Type (elec or mech)	Electric	
	Location (eng tank)	Tank	
	Pressure range (kPa (psi))	Not Applicable	

Fuel Tank

Capacity (refill) (L (gallons))		51.5 (13.6)
Location (describe)		
Attachment		
Material		
Fuel pipe	Location & material	R.H. rear quarter
	Connection to tank	
Fuel line (material)		
Fuel hose (material)		
Return line (material)		
Vapor line (material)		
Extended range tank	Optional	
	Capacity (L (gallons))	
	Location & material	
	Attachment	
Auxiliary tank	Optional	
	Capacity (L (gallons))	
	Location & material	
	Attachment	
	Selector switch or valve	
Separate fill		

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Engine Description/Code
 Engine Code

2.0 LITER L4 (121 CID)
 ELECTRONIC FUEL INJECTION
 RPO 105

Engine - Cooling System

Coolant recovery system (std., opt. no.)		Standard	
Coolant fill location (rad. bottle)		Bottle	
Radiator cap relief valve pressure (kPa (psf))		103.4 (15)	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at °C (°F)	91 (195)	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	8.45	
	Number of pumps	One	
	Drive (V-belt, other)	V-belt	
	Bearing (type)	Sealed, Double Row Ball	
By-pass recirculation (type (inter. ext.))		Internal	
Radiator core (type (cross-flow vertical, cellular tube and fin, other) and material)		Cross-flow	
Cooling system capacity	With heater - L(qt.)	9.0 (9.5) Auto, 9.1 (9.6) Man.	
	With air cond - L(qt.)	9.04 (9.56) Auto, 9.14 (9.7) Man.	
	Opt. equipment (capacity - L(qt.))	9.18 (9.7) H.D. Radiator, Auto & Man.	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Radiator core	Standard	Width	305.0 (12.0)
		Height	387.5 (15.25)
		Thickness	25.0 (.98)
		Fins per inch	7.26
	A/C	Width	430.0 (16.9)
		Height	387.5 (15.25)
		Thickness	2.50 (.98)
		Fins per inch	7.26
	Heavy duty	Width	430.0 (16.9)
		Height	387.5 (15.25)
		Thickness	40.2 (1.58)
		Fins per inch	7.26
Fan (standard)	Number of blades & type (flex. solid material)		7 Blade, electric with rotating reinforcement ring
	Diameter & projected width		--
	Ratio (fan to crankshaft rev)		--
	Fan cutout type		--
	Drive (type (direct, remote))		--
	Fan shroud (material)		--
Fan (electric)	Diameter & projected width		290 (11.42)
	RPM at idle		2200 - 2400
	Motor rating (wattage)		95
	Motor switch (type & location)		Coolant Switch
	Switch point (temp., pressure)		110°F
Fan shroud (material)		Plastic	
Fan (optional)	No. of blades and spacing		7 Blade, electric with rotating reinforcement ring
	Diameter & projected width		386 (15.20)
	Ratio (fan to crankshaft rev)		--
	Fan cut-out (type)		Constant
	Drive (type (direct, remote))		Electric

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (•) 2-83

Engine Description/Carb
 Engine Code

2.0 LITER L4 (121 CID)
 ELECTRONIC FUEL INJECTION
 RPO LQ5

Vehicle Emission Control		Federal - Manual	Federal - Auto. & All Calif.	
Exhaust Emission Control	Type (air injection engine modifications other)	Air Injection with Computer Command Control	Pulse Air with Computer Command Control	
	Air Injection	Pump/Type	Vane	None
		Driven by	V-Belt	--
		Air distribution (head manifold etc)	Separate Manifold	Separate Manifold
		Point of entry	Exhaust Manifold	Exhaust Manifold
	Exhaust Gas Recirculation	Type (controlled flow open orifice other)	Controlled Flow	
		Exhaust source	Exhaust Manifold	
	Catalytic Converter	Type	Dual Bed, oxidizing & reducing	Dual Bed, oxidizing & reducing
			Number of	One
		Location	Mounted to underbody	Mounted to underbody
Volume (in ³)		2.78 (170)	2.78 (170)	
Substrate type		Monolith	Monolith	
Crankcase Emission Control	Type (ventilates to atmosphere induction system other)	Induction System		
	Energy source (manifold vacuum carburetor other)	Manifold Vacuum		
	Discharges to intake manifold other	Intake Manifold		
	Air filter/breather cap other	Carburetor Air Cleaner		
Evaporative Emission Control	Vapor vented to crankcase canister other	Fuel tank	Canister	
		Carburetor		
	Vapor storage provision (crankcase canister other)	Canister		

Engine - Exhaust System

Type (single single with cross-over dual other)	Single	
Muffler no. & type (reverse flow straight thru separate resonator)	One, reverse flow	
Resonator no. & type	None	
Exhaust pipe	Branch o.d. & wall thickness	--
	Main o.d. & wall thickness	44.5 x 0.94 (1.75 x .037)*
	Material	*
Intermediate pipe	o.d. & wall thickness	50.8 (2.0)
	Material	Aluminum coated steel
Tail pipe	o.d. & wall thickness	50.8 x 1.09 (2.0 x .043)
	Material	Aluminum coated steel

* - Laminated tubing - steel inner, stainless steel outer

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.0 LITER L4 (121 CID)
 ELECTRONIC FUEL INJECTION
 RPO 105

Electrical - Supply System

Battery	Voltage (V & total plates)	12V
	Minimum reserve cranking	75 minutes base, 90 minutes H.D.
	SAE capacity (amps)	405 Base 500 H.D.
	Location	Engine Compartment
Generator or alternator	Type and rating	Diode rectified, 42 amps
	Ratio (alt. crank/rev)	2.72
	Optional (type & rating)	None
Regulator	Type	Integral with alternator

Electrical - Starting System

Start motor	Current drain at -20°F	305
Motor drive	Engagement type	Solenoid
	Pinion engages from (front, rear)	Front

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 9-82 Revised (•) 2-83

Engine Description/Carb.
 Engine Code

2.0 LITER L4 (121 CID)
 ELECTRONIC FUEL INJECTION
 RPO LQ5

Electrical – Ignition System

Type	Conventional (std. optional)	Not Available
	Transistorized (std. optional)	Not Available
	Other (specify)	High energy ignition system (H.E.I.)
Coil	Make	Delco Remy
	Model	1115461
	Current	Engine stopped – A 0 Engine idling – A 3.5 Max
Spark plug	Make	AC Spark Plug
	Model	R42 CTS
	Thread (mm)	M14 x 1.25
	Tightening torque (N-m / lb. ft.)	9.20 (7-15)
	Gap	.9 (.035)
Distributor	Make	Delco Remy
	Model	1103515

Electrical – Suppression

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

Electrical – Instruments and Equipment

Speedometer	Type	Circular dial with pointer
	Trip odometer (std. optional)	Standard
EGR maintenance indicator		Not Available
Charge indicator	Type	Tell-Tale
	Warning device	Not Available
Temperature indicator	Type	Tell-Tale, except 1JE77 model, gauge
	Warning device	Not Available
Oil pressure indicator	Type	Tell-Tale, except 1JE77 model, gauge
	Warning device	Not Available
Fuel indicator	Type	Electric gauge
	Warning device	Not Available
Windshield wiper	Type (standard)	Electric 2-speed
	Type (optional)	Intermittent windshield wiper system
	Blade length	430 (16.0)
	Swept area (cm ² /in ²)	Coupe 4900 (759.7), sedan & wagon 4937 (765.4)
Windshield washer	Type (standard)	Push-button
	Type (optional)	Not Available
	Fluid level indicator	Not Available
Horn	Type	Vibrator
	Number used	One
Other		

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.0 LITER L4 (121 CID)
 ELECTRONIC FUEL INJECTION
 RPO LQ5

Transmissions

Manual 3-speed (std., opt., n.a.)	Not Available
Manual 4-speed (std., opt., n.a.)	Standard
Manual 5-speed (std., opt., n.a.)	Optional
Manual overdrive (std., opt., n.a.)	Not Available
Automatic (std., opt., n.a.)	Optional
Automatic overdrive (std., opt., n.a.)	Not Available

Manual Transmission

Number of forward speeds	4	5		
Transmission ratios	In first	3.53	3.92	
	In second	1.95	2.04	
	In third	1.24	1.33	
	In fourth	.81	.92	
	In fifth	--	.75	
	In overdrive	--	--	
	In reverse	3.42	3.50	
	Synchronous meshing (specify gears)	All forward gears		
Shift lever location	Floor			
Lubricant	Capacity (L (Imp.))	4-Speed 2.8L (5.9 pts.), 5-Speed 2.55L (5.36 pts.)		
	Type recommended	4-Speed - Dexron II, 5-Speed SAE 5W-30		
	SAE viscosity number	Summer	4-Speed - Dexron II, 5-Speed SAE 5W-30	
		Winter	4-Speed - Dexron II, 5-Speed SAE 5W-30	
	Extreme cold	4-Speed - Dexron II, 5-Speed SAE 5W-30		

Clutch (Manual Transmission)

Make & type	Borg & Beck	
Type pressure plate springs	Diaphragm	
Total spring load (N (lbf))	5516 (1240)	
No. of clutch driven discs	One	
Clutch facing	Material	Molded type asbestos
	Manufacturer	Borg & Beck
	Part number	14049775
	Rivets/plate	36
	Rivet size	.143 x .213
	Outside & inside dia	203.2 x 152.4 (8.0 x 6.0)
	Total eff. area (cm ² (in ²))	142 (22.0)
	Thickness	8.128 (.320)
Engagement cushion method	Driven plate wave spoke springs	
Release bearing	Type & method of lubrication	Ball thrust - prepacked and sealed
Torsional damping	Method springs friction material	Coil springs and metal-to-metal friction

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.0 LITER L-4 (121 CID)
 ELECTRONIC FUEL INJECTION
 RPO LQ5

Final Drive 3.18 | Final Drive 3.73

Automatic Transmission

Trade name		3-Speed Automatic	
Type (describe)		3-Speed with Torque Converter Clutch	
Selector	Location	Floor	
	Ltr/No designation	P-R-N-D-2-1	
Gear ratios	R	2.07	
	D	2.84-1.60-1.00	
	L ₃	--	
	L ₂	2.84-1.60	
	L ₁	2.84	
Max upshift speed - drive range (km/h (mph))		114 (71)	98 (61)
Max kickdown speed - drive range (km/h (mph))		101 (63)	86 (55)
Min overdrive speed (km/h (mph))		Not Available	
Torque converter:	Number of elements	3	3
	Max ratio at stall	2.70	2.70
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	245 (9.65)	
Lubricant	Capacity (refill L (pts.))	4.0l (8.46 pts.)	
	Type recommended	Dexron II	
Special transmission features		Torque Converter Clutch, 3rd Gear Application	

Axle or Front Wheel Drive Unit

Type (front, rear)		Front		
Description		Front differential with helical gears		
Limited slip differential (type)		Not available		
Drive pinion offset		Not applicable		
Drive pinion (type)		Not applicable		
No. of differential pinions		2		
Pinion adjustment (shim, other)		Not applicable		
Pinion bearing adj. (shim, other)		Not applicable		
Driving wheel bearing (type)		Sealed ball bearings		
Lubricant	Capacity (L (pts.))	Not applicable		
	Type recommended	Part of automatic Transmission assembly which uses Dexron II		
	SAE viscosity number	Summer	Transmission assembly which uses Dexron II	
		Winter		
Extreme cold				

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

Axle ratio or overall ratio		2.84	3.19	3.33	3.83	4.10
No. of teeth	Pinion	33	--	33	--	--
	Ring gear or gear	37	--	37	--	--
Ring gear o/c						
Transaxle	Transfer gear ratio	1.0	.74	1.0	.74	.81
	Final drive ratio	3.18	2.36	3.73	2.83	3.32

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.0 LITER L-4 (121 CID)
 ELECTRONIC FUEL INJECTION
 RPO L05

Axle Shafts – Front Wheel Drive

Number used		Two	
Type (straight, solid bar, tubular, etc.)		Left	Straight solid bar
		Right	Straight solid bar (a)
Outer diam x length * x wall thickness	Manual transmission	Left	23.8 x 320.8 (0.937 x 12.63)
		Right	38 x 666 x 5 (1.496 x 26.22 x 0.197)
	Automatic transmission	Left	23.8 x 320.8 (0.937 x 12.63)
		Right	23.8 x 363 (0.937 x 14.29)
	Optional transmission	Left	--
		Right	--
Slip yoke	Type		None
	Number of teeth		None
	Spline o.d.		None
Universal joints	Make and mfg no	Inner	Saginaw
		Outer	Saginaw
	Number used		Two on each drive shaft
	Type, size, plunge	Inner	TRI-POT 63 mm plunge
		Outer	Rzeppa - fixed
	Attach (u-bolt clamp, etc.)		--
Bearing	Type (plain anti-friction)	Not available	
	Lubric (fitting, prepack)	Not available	
Drive taken through (torque tube arms or springs)		Wishbone lower control arm; upper MacPherson strut	
Torque taken through (torque tube arms or springs)		Engine mounting system	

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

(a) - Tubular R.H. shaft with manual transmission.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) _____

Engine Description/Carb.
 Engine Code

NOTCHBACK COUPES 1JC & 1TD27	HATCHBACK COUPE 1JE77	NOTCHBACK SEDANS 1JC & 1JD69	LIFTBACK WAGONS 1JC & 1JD35
------------------------------------	-----------------------------	------------------------------------	-----------------------------------

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P175/80R-13 BW
	Type (bias, radial, etc.)		Glass Belted Radial
	Inflation pressure (cold) for recommended max vehicle load	Front [kPa (psi)]	240 (35)
		Rear [kPa (psi)]	240 (35)
Rev/mile—at 70 km/h (45 mph)			
Wheels	Type & material		Steel
	Rim (size & flange type)		13 x 5
	Wheel offset		49.0 (1.93)
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	100.0 (3.94)
Number & size		5-M12 x 1.5 - 6H, THD. (metric)	
Spare	Tire and wheel (same, if other describe)		T115/70D-14, wheel dia. 14-width 4. Inflation 415 (60).
	Storage position & location (describe)		Flat under rear load floor

Tires And Wheels (Optional)

Size (load range, ply)		P175/80R-13 W.S.
Type (bias, radial, etc.)		Glass Belted Radial
Wheel (type & material)		Steel
Rim (size, flange type and offset)		13 x 5
Size (load range, ply)	(+)	P195/70R-13 BW, WS, WL
Type (bias, radial, etc.)		Steel Belted Radial
Wheel (type & material)		Steel
Rim (size, flange type and offset)		13 x 5.5
Size (load range, ply)		--
Type (bias, radial, etc.)		--
Wheel (type & material)		Aluminum
Rim (size, flange type and offset)		13 x 5.5
Size (load range, ply)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		

(+) Required with sport suspension, RPO F41.

Brakes — Parking

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

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) 9-82

Body Type And/OR
 Engine Displacement

NOTCHBACK COUPES 1JC & 1JD27	HATCHBACK COUPE 1JE77	NOTCHBACK SEDANS 1JC & 1JD69	LIFTGATE WAGONS 1JC & 1JD35
------------------------------------	-----------------------------	------------------------------------	-----------------------------------

Brakes - Service

Description			
Brake type (std., opt., n.a.)	Front (disc or drum)	Disc	
	Rear (disc or drum)	Drum	
Self-adjusting (std., opt., n.a.)		Standard	
Special valving	Type (proportion, delay, metering, other)	Proportioning, Diagonal split circuit.	
Power brake (std., opt., n.a.)		Standard	
Booster type (remote, integral, vac., hyd., etc.)		Single or tandem vacuum depending on mass	
Anti-skid device type (std., opt., n.a.)		Not Available	
Effective area [cm ² (in ²)]*		309 (47.9)	
Gross lining area [cm ² (in ²)]**		381 (59.1)	
Swept area [cm ² (in ²)]***		1624 (251.8)	
Rotor	Outer working diameter	F 247 (9.72)	
		R --	
	Inner working diameter	F --	
		R --	
Thickness	F 22.4 (0.88)		
	R --		
Material & type (vented/solid)	F Cast iron, vented		
	R --		
Drum	Diameter (nominal)	F -- R 200x45 (7.87x1.77)	
	Type and material	Cast iron, non-finned	
Wheel cylinder bore	Front	57 (2.24)	
	Rear	16 (.63) (All exc wagon), 17.5 (.69) wagon	
Master cylinder	Bore	22 (.866)	
	Stroke	31.8 (1.25)	
Pedal arc ratio		3.9:1	
Line pressure at 445 N (100 lb) pedal load (kPa (psi))		--	
Lining clearance per shoe	Front	Self adjusting	
	Rear	--	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Riveted (6). In-board (a)
		Rivet size	7.92x5.33 (0.312x0.21)
		Manufacturer	Delco Moraine
		Lining code	122 FE
		Material	Semi-metallic
	**** Primary or out-board	116.7x54.7x10.92 (4.594x2.157x.430)	
	Size Secondary or in-board	125x59x10.2 (4.92x2.32x0.4)	
	Shoe thickness (no lining)	4.72 IB, 3.14 OB (.186 IB, 0.123 OB)	
	Rear wheel	Bonded or riveted (rivets/seg.)	Riveted, 8
		Manufacturer	Inland Division
Lining code		235 FE	
Material		Organic	
**** Primary or out-board		167.7x43.9x3.8 (6.60x1.73x.15)	
Size Secondary or in-board	167.7x43.9x4.8 (6.60x1.73x.19)		
Shoe thickness (no lining)	2.75 (.11)		

(a) - Integrally molded, outboard.

* 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 thickness

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Body Type And/Or
 Engine Displacement

NOTCHBACK COUPES 1JC & 1JD27	HATCHBACK COUPE 1JE77	NOTCHBACK SEDANS 1JC & 1JD69	LIFTGATE WAGONS 1JC & 1JD35
------------------------------------	-----------------------------	------------------------------------	-----------------------------------

Steering

Manual (std., opt., n.a.)		Standard		
Power (std., opt., n.a.)		Optional		
Adjustable steering wheel (tilt, swing other)	Type and description	Tilt		
	(Std., opt., n.a.)	Optional		
Wheel diameter	Manual	375 mm (14.8 in.)		
	Power	375 mm (14.8 in.)		
Turning diameter m (ft)	Outside front	Wall to wall (l & r)	--	
		Curb to curb (l & r)	10.59 m (34.74 ft.)	
	Inside rear	Wall to wall (l & r)	--	
		Curb to curb (l & r)	--	
Manual	Gear	Type	Rack and pinion	
		Make	Saginaw Steering Gear	
		Ratios	Gear Overall	-- 22.0:1
	No. wheel turns (stop to stop)		4.04	
Power	Type (coaxial linkage, etc.)		Rack & Pinion with integral power unit	
	Make		Saginaw Steering Gear	
	Gear	Type	Rack and pinion	
		Ratios	Gear Overall	-- 16.0:1
	Pump (drive)		Belt off crankshaft pulley	
No. wheel turns (stop to stop)		2.88		
Linkage	Type		Center take-off tie rods, rack and pinion	
	Location (front or rear of wheels other)		Rear	
	Drag links (trans or longit)		None	
	Tie rods (one or two)		Two	
Steering axis	Inclination at camber (deg)		13.5°	
	Bearings (type)	Upper	Ball bearing	
		Lower	Ball joint	
		Thrust	--	
Steering spindle & joint type		--		
Wheel spindle	Diameter	Inner bearing	--	
		Outer bearing	--	
	Thread (size)		M20 x 1.5	
	Bearing (type)		Integral double row ball, permanently lubricated	

MVMA Specifications Form
Passenger Car
(METRIC (U.S. Customary))

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*)

Body Type And/Or
 Engine Displacement

NOTCHBACK COUPES 1JC & 1JD27	HATCHBACK COUPE 1JE77	NOTCHBACK SEDANS 1JC & 1JD69	LIFTGATE WAGONS 1JC & 1JD35
------------------------------------	-----------------------------	------------------------------------	-----------------------------------

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	Not adjustable
		Camber (deg)	+ .60° +/- .50°
		Toe-in (outside track-mm (in.))	.125° toe-out +/- .125°
	Service reset*	Caster	Not adjustable
		Camber	+ .60° +/- .50°
		Toe-in	.125° toe-out +/- .125°
	Periodic M.V. in- spection	Caster	Not adjustable
		Camber	--
		Toe-in	--
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	
		Toe-in (outside track-mm (in.))	
	Service reset*	Camber	
		Toe-in	
	Periodic M.V. in- spection	Camber	
		Toe-in	

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

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Body Type 4D/0R
 Engine Displacement

NOTCHBACK COUPES 1JC & 1JD27	HATCHBACK COUPE 1JE77	NOTCHBACK SEDANS 1JC & 1JD69	LIFTGATE WAGONS 1JC & 1JD35
------------------------------------	-----------------------------	------------------------------------	-----------------------------------

Suspension - General

Car leveling	Std/opt/n/a	None
	Type (air/hyd/etc.)	--
	Manual/auto controlled	--
Provision for brake dip control		Front suspension geometry
Provision for accel/squat control		Rear suspension geometry
Special provisions for car jacking		Body pickup at rocker panels
Shock absorber (front & rear)	Type	MacPherson strut - front; double acting hydraulic - rear
	Make	Delco
	Piston diameter	--
Other special features		--

Suspension - Front

Type and description		MacPherson strut design
Travel	Full bounce	92.0 mm (3.62 in)
	Full rebound	86.0 mm (3.39 in)
Spring	Type (coil/leaf/other)	Coil
	Material	Steel
	Size (coil design height & i.d. bar length x dia.)	406.6 (16.0)x139.0 (5.47)x2932 (115.4)x12.9 (.5)
	Spring rate (N/mm (lb/in))	16.0 (91.0) Base, 24.0 (137.0) F40 & F41
Rate at wheel (N/mm (lb/in))		17.2 (98.0) Base, 19.9 (114.0) F40 & F41
Stabilizer	Type (link/linkless/frameless)	Link
	Material & bar diameter	Steel, 22.0 (.87)

Suspension - Rear

Type and description		Trailing crankarm with twisting beam
Drive and torque taken through		Not applicable
Travel	Full bounce	99.0 mm (3.9 in)
	Full rebound	107.0 mm (4.2 in)
Spring	Type (coil/leaf/other)	Progressive - rate coil
	Material	Steel
	Size (length x width coil design height & i.d. bar length & dia.)	290 (11.42)x105 (4.13)x2626 (103.4)x13.6 (.54)
	Spring rate (N/mm (lb/in))	23 (131) Base, F40&F41-28 (160) Sedans& Coupes 25 (143) Base(*)
	Rate at wheel (N/mm (lb/in))	14.6 (83) Base, F40&F41-16.7 (95) Sedans& Coupes 15.5 (88) Base(+)
	Mounting insulation (type)	Rubber - top & bottom
Stabilizer	Type (link/linkless/frameless)	Linkless (optional usage only)
	Material & bar diameter	Steel
Track bar (type)		Not Available

(*) F40 Wagon 38.8 (222.0)
 (+) F40 Wagon 17.9 (102.0)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) _____

Body Type	NOTCHBACK COUPES 1JC & 1JD27	HATCHBACK COUPE 1JE77	NOTCHBACK SEDANS 1JC & 1JD69	LIFTGATE WAGONS 1JC & 1JD35
------------------	------------------------------------	-----------------------------	------------------------------------	-----------------------------------

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	Acrylic lacquer or water base acrylic enamel			
Hood	Hinge location (front, rear)	Rear		
	Type (counterbalance, prop)	Prop rod		
	Release control (internal, external)	Internal		
Trunk lid	Type (counterbalance, other)	(A)	(B)	(A) (B)
	Internal release control (elec. mech. n.a.)	Electrical - optional		
Bumper front	Bar material & mass (wt)	Steel & urethane 1JC & 1JD00 15.153 (33.4) (D)		
	Reinforcement material & mass (wt.)	Steel 1JC & 1JD00 4.800 (10.6), 1JE77 3.175 (7.0)		
Bumper rear	Bar material & mass (wt)	Steel 1JC & 1JD 11.810 (26.0) (E)		
	Reinforcement material & mass (wt.)	None		
Vent window control (crank, friction, pivot, power)	Front	None		
	Rear	(C)	NONE	
Seat cushion type	Front	Polyurethane padding		
	Rear	Polyurethane padding		
	3rd seat	None		
Seat back type	Front	Polyurethane padding		
	Rear	Polyurethane padding		
	3rd seat	None		
Vehicle ident. no. location	Top left hand of instrument panel pad			

- (A) Torsion Rods
- (B) 2-telescoping gas struts
- (C) Swing-out rear quarter windows (friction pivot) with remote controls optional

Passive Restraint System

Inflatable restraint system	Standard/optional	
	Type of charging system	
	Location (sg wh. instru. panel, other)	
Passive seat belts	Standard/optional	
	Power/manual	
	2 or 3 point	
	Knee bar/lap belt	

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Body-Frame integral
	(D) Steel & polyethylene 1JE77 12.266 (27.0)
	(E) Steel & urethane 1JE77 15.535 (34.2), steel 1JD35 11.500 (25.3)

**MVMA Specifications Form
Passenger Car**

Car Line CAVALIER
Model Year 1983 Issued 7-23-82 Revised (•) _____

FEATURE HIGHLIGHTS

(Manufacturers selected list of special vehicle features;
indicate if new or model year introduced)

BODY:

CHASSIS:

ENGINE:

ELECTRICAL:

OTHER:

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 9-82 Revised (*) 2-83

Model	Vehicle Mass (weight)							SHIPPING MASS. kg (weight. lb.)**
	CURB MASS. kg (weight. lb.)*			% PASS MASS DISTRIBUTION				
	Front	Rear	Total	Pass in Front		Pass in Rear		
Front				Rear	Front	Rear		
CAVALIER								
2-Door Notchback	684.4	385.2	1069.6					1038.2
Coupe - 1JC27	(1509)	(849)	(2358)					(2289)
4-Door Notchback	688.5	398.7	1087.2					1055.9
Sedan - 1JC69	(1518)	(879)	(2397)					(2328)
4-Door Liftback	680.6	436.5	1117.1					1085.8
Wagon - 1JC35	(1500)	(962)	(2462)					(2394)
CAVALIER "CS"								
2-Door Notchback	689.9	388.2	1078.1					1046.7
Coupe - 1JD27	(1521)	(856)	(2377)					(2307)
2-Door Hatchback	700.9	408.9	1109.8					1078.4
Coupe - 1JE77	(1545)	(901)	(2446)					(2377)
4-Door Notchback	693.0	401.2	1094.2					1062.9
Sedan - 1JD69	(1528)	(884)	(2412)					(2343)
4-Door Liftback	685.0	439.2	1124.2					1092.9
Wagon - 1JD35	(1510)	(968)	(2478)					(2409)
Curb Weight - The calculated weight of vehicle with standard equipment only as designed with the additional load of oils, lubes, coolants, and fuel filled to capacity.								
Shipping Weight - Same as base Curb Weight except 3 gallons of gasoline.								

* Reference - SAE J1100a. Motor vehicle dimensions, curb weight definition.
 ** Shipping mass (weight) definition -

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS kg (weight lb)			
	Front	Rear	Total	
Air Conditioning	23.0 (+50.7)	1.0 (+2.2)	24.0 (+52.9)	
Mats, floor-front (Color Keyed)	2.0 (+ 4.4)	0.6 (+1.3)	2.6 (+ 5.7)	
Mats, floor-rear (Color Keyed)	0.4 (+ 0.8)	0.8 (+1.8)	1.2 (+ 2.6)	
Steering Power	7.4 (+16.3)	0.2 (+0.4)	7.6 (+16.7)	
Mirrors, Dual Sport Rear View (L.H.Remote,R.H. Manual Convex), Body Color.	0.4 (+ 0.8)	0 0	0.4 (+ 0.8)	
Power Door Lock System	0.6 (+ 1.3)	1.2 (+2.6)	1.8 (+ 3.9)	2-Door Models
	1.2 (+ 2.6)	1.8 (+4.0)	3.0 (+ 6.6)	4-Door Models
Power Windows	1.4 (+ 3.1)	2.2 (+4.9)	3.6 (+ 8.0)	2-Door Models
	1.8 (+ 4.0)	3.2 (+7.0)	5.0 (+11.0)	4-Door Models
Power Seat Six-Way-Driver	1.8 (+ 4.0)	1.8 (+4.0)	3.6 (+ 8.0)	
Remote Swing-Out Windows	0 0	0.4 (+0.8)	0.4 (+ 0.8)	1JC & 1JD27 only
	0 0	0.8 (+1.8)	0.8 (+ 1.8)	1JE77
Removable Sun Roof	2.8 (+ 6.2)	2.8 (+6.2)	5.6 (+12.4)	All Except Wagon
Intermittent Windshield Wiper System	0.2 (+ 0.4)	0 0	0.2 (+ 0.4)	

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

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) _____

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg (weight, lb.)			
	Front	Rear	Total	
Rear Window Wiper/Washer	-0.6 (-1.3)	3.0 (+ 6.6)	2.4 (+ 5.3)	TJD35
	-0.8 (-1.8)	4.4 (+ 9.7)	3.6 (+ 7.9)	TJE77
Cargo Area Security Cover	0 0	2.2 (+ 4.9)	2.2 (+ 4.9)	TJE77
Illuminated R.H. Visor Mirror	0.4 (+0.8)	0.2 (+ 0.4)	0.6 (+ 1.2)	
Sport Suspension	2.0 (+4.4)	1.4 (+ 3.1)	3.4 (+ 7.5)	
Rear Stabilizer	0 0	3.2 (+ 7.0)	3.2 (+ 7.0)	
Engine Block Heater (Canada)	0.2 (+0.4)	0 0	0.2 (+ 0.4)	
Automatic Speed Control	2.4 (+5.3)	0 0	2.4 (+ 5.3)	
Comfortilt Steering Wheel	0.2 (+0.4)	0 0	0.2 (+ 0.4)	
Aluminum Wheels	- 1.6 (-3.5)	- 1.6 (- 3.5)	- 3.2 (- 7.0)	
Battery Heavy Duty	5.8 (+12.8)	- 0.6 (- 1.3)	5.2 (+11.5)	
Special Instrumentation (Gage package with Tachometer)	0.4 (+0.8)	0.2 (+ 0.4)	0.6 (+ 1.2)	All except 77 model (Base)
Gage Package	0.4 (+0.8)	0.2 (+ 0.4)	0.6 (+ 1.2)	All except 77 model
Heavy Duty Cooling	1.4 (+3.1)	-0.2 (-0.4)	1.2 (+2.7)	
Bumper Guards	0.4 (+0.8)	0.4 (+0.8)	0.8 (+1.6)	All except 77 model
Multi-purpose Roof Carrier	1.4 (+3.1)	2.6 (+5.7)	4.0 (+8.8)	

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

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*)

Car and Body 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 car line.
 SAE Ref. no. refers to the definition published in SAE Recommended Practice.
 J1100a "Motor Vehicle Dimensions," unless otherwise specified.

Body Type	SAE Ref. No.	NOTCHBACK COUPES	HATCHBACK COUPE.	NOTCHBACK SEDANS	LIFTGATE WAGONS
		1JC & 1JD27	1JE77	1JC & 1JD69	1JC & 1JD35

Width

Tread (front)	W101	1406 (55.4)			
Tread (rear)	W102	1401 (55.2)			
Vehicle width	W103	1677 (66.0)		1685 (66.3)	
Body width at Sg RP (front)	W117	1652 (65.0)			
Vehicle width (front doors open)	W120	3684 (145.0)		3218 (126.7)	
Vehicle width (rear doors open)	W121	--		2832 (111.5)	

Length

Wheelbase	L101	2571 (101.2)			
Vehicle length	L103	4341 (170.9)	4406 (173.5)	4379 (172.4)	4394 (173.0)
Overhang (front)	L104	866 (34.1)	922 (36.3)	866 (34.1)	
Overhang (rear)	L105	904 (35.6)	913 (35.9)	942 (37.1)	957 (37.7)
Upper structure length	L123	2336 (92.0)	2799 (110.2)	2365 (93.1)	2924 (115.1)
Rear wheel C/L "X" coordinate	L127	2354 (92.7)			
Cowl point "X" coordinate	L125	247 (9.7)		246 (9.7)	

Height **

Passenger distribution (frt/rear)	PD1.2.3			**	
Trunk/cargo load				**	
Vehicle height	H101	1321 (52.0)	1317 (51.9)	1369 (53.9)	1382 (54.4)
Cowl point to ground	H114				
Deck point to ground	H138				
Rocker panel-front to ground	H112	220 (8.7)			225 (8.9)
Bottom of door closed-front to grd	H133	290 (11.4)			300 (11.8)
Rocker panel-rear to ground	H111	214 (8.4)			226 (8.9)
Bottom of door closed-rear to grd	H135	--	--	291 (11.5)	304 (12.0)

Ground Clearance **

Front bumper to ground	H102	368 (14.5)	247 (9.7)	368 (14.5)	367 (14.4)
Rear bumper to ground	H104	347 (13.7)			337 (13.3)
Bumper to ground (front at curb mass (wt.))	H103	386 (15.2)	266 (10.5)	386 (15.2)	
Bumper to ground (rear at curb mass (wt.))	H105	374 (14.7)			362 (14.3)
Angle of approach	H106	28.4°			
Angle of departure	H107	22.2°	19.2°	20.6°	21.1°
Ramp breakover angle	H147	16.4°			17.2°
Rear axle differential to ground	H153	--			
Min running ground clearance	H156	172 (6.8)			
Location of min run grd clear		Exhaust Pipe			

All linear dimensions are in millimeters (inches) and all mass (weight) specifications are in kilograms (pounds)

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

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

MVMA Specifications Form

Passenger Car

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) 9-82

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	NOTCHBACK COUPES	HATCHBACK COUPE	NOTCHBACK SEDANS	LIFTGATE WAGONS
		1JC & 1JD27	1JE77	1JC & 1JD69	1JC & 1JD35

Front Compartment

Sg RP front "X" coordinate	L31	1113 (43.8)			
Effective head room	H61	957 (37.7)	955 (37.6)	979 (38.5)	976 (38.4)
Max eff leg room (accelerator)	L34	1070 (42.1)		1072 (42.2)	
Sg RP (front to heel)	H30	233 (9.2)		256 (10.1)	
Design H-point front travel	L17	192 (7.6)			
Shoulder room	W3	1363 (53.7)			
Hip room	W5	1248 (49.1)		1241 (48.9)	
• Upper body opening to ground	H50	1242 (48.9)			1251 (49.3)
Steering wheel angle	H18	20.0°			
Back angle	L40	25.0°			

Rear Compartment

Sg RP Point couple distance	L50	720 (28.3)	715 (28.1)	758 (29.8)	741 (29.2)
Effective head room	H63	927 (36.5)	926 (36.5)	961 (37.8)	989 (38.9)
Min. effective leg room	L51	792 (31.2)	758 (30.9)	871 (34.3)	840 (33.1)
Sg RP (second to heel)	H31	259 (10.2)	254 (10.0)	271 (10.7)	259 (10.2)
Knee clearance	L48	-20 (-0.8)	-21 (-0.8)	18 (0.7)	5 (0.2)
Compartment room	L3	630 (24.8)	623 (24.5)	654 (25.7)	660 (26.0)
Shoulder room	W4	1334 (52.5)		1364 (53.7)	
Hip room	W6	1265 (49.8)	1247 (49.1)	1242 (48.9)	1244 (49.0)
• Upper body opening to ground	H51	--		1256 (49.5)	

Luggage Compartment

Usable luggage capacity [L (cu ft)]	V1	374 (13.2)	--	386 (13.6)	--
• Lifter height	H195	830 (32.7)	834 (32.8)	830 (32.7)	553 (21.8)

All linear dimensions are in millimeters (inches)

** EPA Loaded Vehicle Weight, Loading Conditions

All Interior Dimensions Are Measured With The Seating Reference Point (SgRP) _____ mm
 (1 Seat Adjuster Notch) Forward Of Rearmost Seat Position.

MVMA Specifications Form

Car Line CAVALIER

Passenger Car

Model Year 1983 Issued 7-23-82 Revised (*)

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	HATCHBACK COUPE 1JE77	LIFTBACK WAGONS 1JC & 1JD35

Station Wagon - Third Seat

Shoulder room	W85	NOT
Hip room	W86	APPLICABLE
Effective leg room	L86	
Effective head room	H86	
Effective T-point head room	H89	
Seat facing direction	SD1	

Station Wagon - Cargo Space

Cargo length (open front)	L200		--
Cargo length (open second)	L201		--
Cargo length (closed front)	L202		1709 (67.3)
Cargo length (closed second)	L203		980 (38.6)
Cargo length at belt (front)	L204		1581 (62.2)
Cargo length at belt (second)	L205	NOT	837 (33.0)
Cargo width (wheelhouse)	W201	APPLICABLE	944 (37.2)
Rear opening width at floor	W203		1226 (48.3)
Opening width at belt	W204		1206 (47.5)
Max rear opening width above belt	W205		970 (38.2)
Cargo height	H201		846 (33.0)
Rear opening height	H202		764 (30.1)
Tailgate to ground height	H250		553 (21.8)
Front seat back to load floor height	H197		--
Cargo volume index - L (cu.ft.)	V2		1824 (64.4 cu. ft.)**
Hidden cargo volume - L (cu. ft.)	V4		--

Hatchback - Cargo Space

Front seat back to load floor height	H197	595 (23.4)	
Cargo length at front seat back height	L208	1124 (44.3)	NOT
Cargo length at floor (front)	L209	1621 (63.8)	APPLICABLE
Cargo volume index - L (cu.ft.)	V3	1089 (38.5)*	
Hidden cargo volume - L (cu. ft.)	V4	--	

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

All dimensions are in millimeters (inches).

- * V-11 - Hatchback, cargo volume index - second seat-up, 453 (16.0).
- ** V-10 - Station Wagon, cargo volume index - second seat-up, 965 (34.1).

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) _____

Body Type	NOTCHBACK COUPES 1JC & 1JD27	HATCHBACK COUPE 1JE77	NOTCHBACK SEDANS 1JC & 1JD69	LIFTBACK WAGONS 1JC & 1JD35
-----------	------------------------------------	-----------------------------	------------------------------------	-----------------------------------

Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location	
Front	X - FIDUCIAL MARK TO VERTICAL BASE GRID LINE - FRONT, MEASURED HORIZONTALLY FROM BASE GRID LINE TO THE FRONT FIDUCIAL MARK LOCATED ON TOP OF FRONT SEAT ADJUSTER MOUNTING BOLT.	
	Y - FIDUCIAL MARK TO CENTERLINE OF CAR - FRONT, WIDTH MEASUREMENT MADE FROM CENTERLINE OF CAR TO THE FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.	
	Z - FIDUCIAL MARK TO HORIZONTAL BASE GRID LINE - FRONT, MEASURED VERTICALLY FROM BASE GRID LINE TO FRONT FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.	
Rear	X - FIDUCIAL MARK TO VERTICAL BASE GRID LINE - REAR, MEASURED HORIZONTALLY FROM THE BASE GRID LINE TO REAR FIDUCIAL MARK LOCATED ON REAR UNDERBODY CROSSBAR.	
	Y - FIDUCIAL MARK TO CENTERLINE OF CAR - REAR, WIDTH MEASUREMENT MADE FROM CENTERLINE OF CAR TO FIDUCIAL MARK LOCATED ON REAR UNDERBODY CROSSBAR.	
	Z - FIDUCIAL MARK TO HORIZONTAL BASE GRID LINE - REAR, MEASURED VERTICALLY FROM BASE GRID LINE TO REAR FIDUCIAL MARK LOCATED ON REAR UNDERBODY CROSSBAR.	
Front	W21	504.5 (19.9) 504 (19.8)
	L54	2746 (108.1)
	H81	246 (9.7)
	H161	CURB 292.8 (11.5) 300.0 (11.8)
	** H163	270.7 (10.7) 278.1 (10.9)
Rear	W22	440 (17.3)
	L55	4900 (192.9) 4951 (194.9)
	H82	362 (14.3)
	H162	CURB 413.2 (16.3) 429.9 (16.9)
	** H164	386.9 (15.2) 405.2 (15.9)

* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks - September, 1973
 All linear dimensions are in millimeters (inches)

** EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications Form

Passenger Car

Car Line CAVALIER
 Model Year 1983 Issued 7-23-82 Revised (*) 9-82

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	NOTCHBACK COUPES 1JC & 1JD27	HATCHBACK COUPE 1JE77	NOTCHBACK SEDANS 1JC & 1JD69	LIFTBACK WAGONS 1JC & 1JD35
-----------	--------------	---------------------------------	--------------------------	---------------------------------	--------------------------------

Glass

Backlight slope angle (deg.)	H121	51.5°	70.0°	49.0°	35.5°
Windshield slope angle (deg.)	H122	58.0°		55.0°	
Tumble-Home (deg.)	W122	21.5°	21.0°		
Windshield glass exposed surface area [cm ² (in. ²)]	S1	7487.4 (1160.8)			
Side glass exposed surface area [cm ² (in. ²)]	S2	10910.6(1691.6)	11477.9(1779.5)	11532.1(1787.9)	16955.2(2628.7)
Backlight glass exposed surface area [cm ² (in. ²)]	S3	5153.9 (798.9)	8685.3(1346.6)	5691.1 (882.3)	4892.4 (758.5)
Total glass exposed surface area [cm ² (in. ²)]	S4	23551.9(3651.3)	27650.6(4286.9)	24697.4(3831.0)	29335.0(4548.0)
Windshield glass (type)		Curved - Laminated Plate			
Side glass (type)		Curved - Tempered Plate			
Backlight glass (type)		Curved - Tempered Plate			

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	652 (25.7)	648 (25.5)	652 (25.7)	
		Lowest				
	Taillamp (H128)	Highest**	745 (29.3)	676 (26.6)	745 (29.3)	588 (23.1)
		Lowest				
Sidemarker	Front	501 (19.7)			502 (19.8)	
	Rear					
Distance from C/L of car to center of bulb	Headlamp	Inside	--			
		Outside**	587.5 (23.1)			
	Taillamp	Inside	--			
		Outside**	591.0 (23.3)	678.0 (26.7)	591.0 (23.3)	714.5 (28.1)
	Directional	Front	433.8 (17.1)	445.5 (17.5)	433.8 (17.1)	
		Rear	591.0 (23.3)	678.0 (26.7)	591.0 (23.3)	714.5 (28.1)
Headlamp shape		Rectangular				

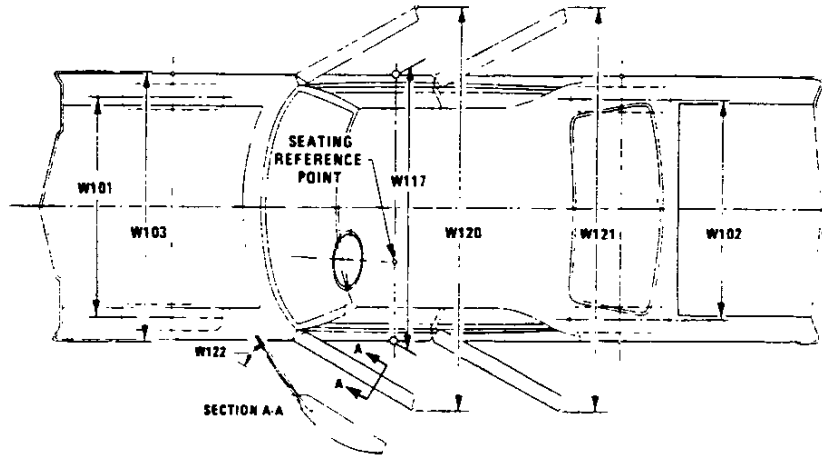
* Measured at curb mass (weight)

** If single lamps are used enter here

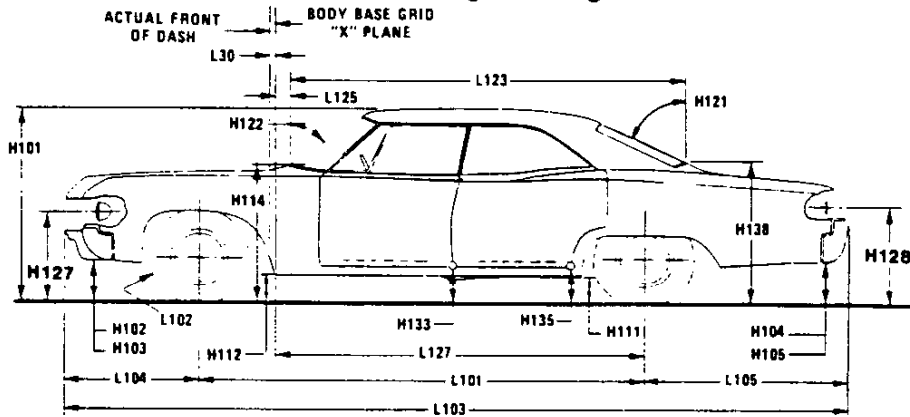
MVMA Specifications Form
Passenger Car
 METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

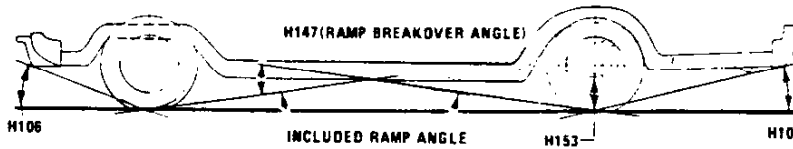
Exterior Width



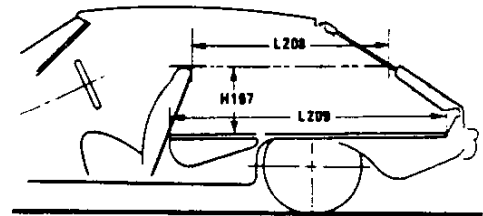
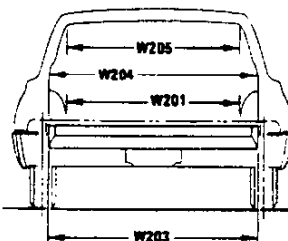
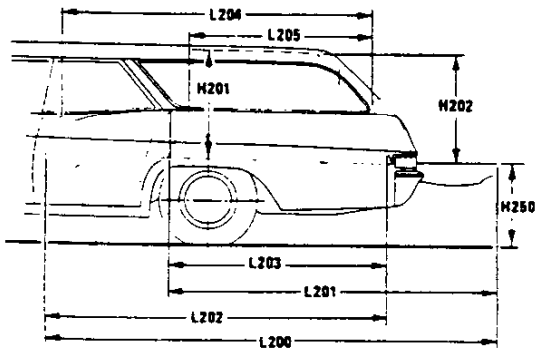
Exterior Length & Height



Exterior Ground Clearance



Cargo Space



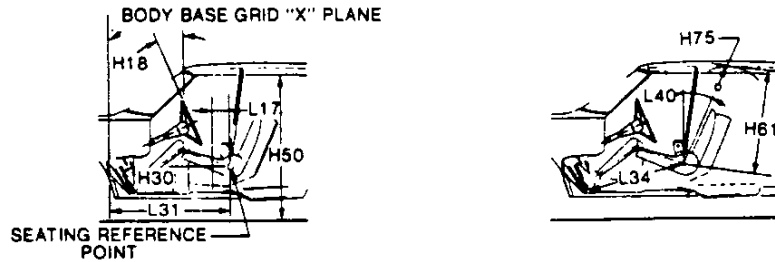
Hatchback

Station Wagon

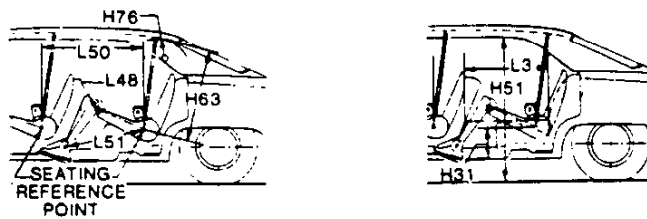
MVMA Specifications Form
Passenger Car
 METRIC (U.S. Customary)

Interior Car And Body Dimensions — Key Sheet

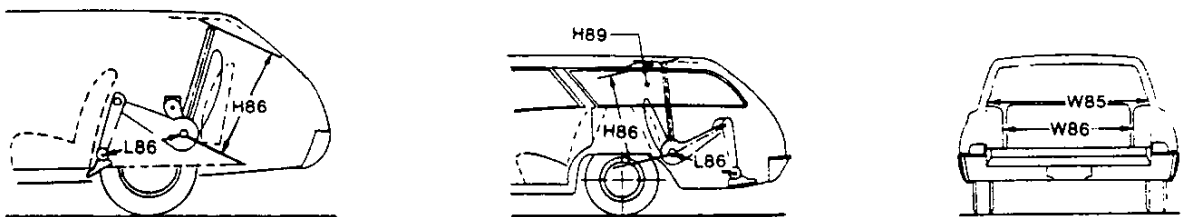
Front Compartment



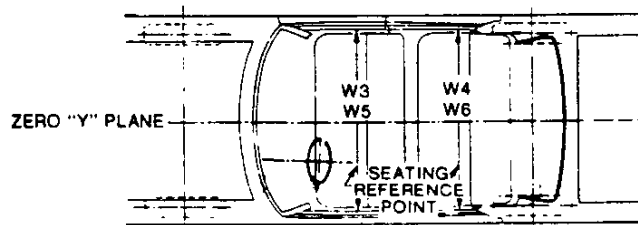
Rear Compartment



Third Seat



Interior Width



MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

Dimensions Definitions

Seating Reference Point

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

- Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
- Has coordinates established relative to the design vehicle structure;
- Simulates the position of the pivot center of the human torso and thigh; and
- Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

Width Dimensions

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

Length Dimensions

- L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash in forward of the zero "X" plane.
- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.
- L102 TIRE SIZE. As specified by the manufacturer.
- L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L104 OVERHANG—FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

- L105 OVERHANG—REAR. The dimension measured longitudinally from the centerline of the rear wheels, or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle, including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.
- L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
- L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be in the midpoint of the distance between the rear axle centerlines.
- L125 COWL POINT "X" COORDINATE.

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- 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.
- H132 BOTTOM OF DOOR OPEN—FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, 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.
- H134 BOTTOM OF DOOR OPEN—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.
- H135 BOTTOM OF DOOR CLOSED—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.
- H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.
- H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield are 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.
- H127 HEADLAMP TO GROUND—CURB MASS (WT.) The dimensional measured vertically from the centerline of the lowest headlamp lens to ground.
- H128 TAILLAMP TO GROUND—CURB MASS (WT.) The dimension measured vertically from the centerline of the upper bulb to ground.

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.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

Dimensions Definitions

- H103 FRONT BUMPER TO GROUND CURB MASS (WT.). Measured in the same manner as H104.
- 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 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 and the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.
- H147 REAR 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.

Front Compartment Dimensions

- PD1 PASSENGER DISTRIBUTION—FRONT.
- L31 SgRP—FRONT "X" COORDINATED
- 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.).
- H75 EFFECTIVE T-POINT HEAD ROOM—FRONT. The minimum radius from the T-point to the headlining plus 762 mm (30 in.).
- 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 un-depressed 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.
- H30 SgRP—FRONT TO HEEL. The dimension measured vertically from the SgRP—front to the accelerator heel point.
- L17 DESIGN H-POINT—FRONT TRAVEL. The dimension measured horizontally between the design H-point—front in the foremost and rearmost seat trace positions.
- W3 SHOULDER ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP—front within the belt line and 254 mm (10.0 in.) above the SgRP—front.
- 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 the SgRP—front.
- H150 UPPER BODY OPENING TO GROUND—FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP—front "X" plane.

- H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
- 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.

Rear Compartment Dimensions

- PD2 PASSENGER DISTRIBUTION—SECOND
- L50 SgRP COUBLE DISTANCE. The dimension measured horizontally from the driver SgRP—front to 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.).
- H76 EFFECTIVE T-POINT HEAD ROOM—SECOND. Measured in the same manner as H75.
- 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.).
- 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.
- L48 KNEE CLEARANCE—SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 51 mm (2.0 in.).
- L3 COMPARTMENT ROOM—SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.
- W4 SHOULDER ROOM—SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP—second within 254-406 mm (10.0-16.0 in.) above the SgRP—second.
- W6 HIP ROOM—SECOND. Measured in the same manner as W5.
- 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.

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 5.2 of SAE-J1100a.
- H195 LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

Station Wagon – Third Seat Dimensions

- PD3 PASSENGER DIRECTION—THIRD
- W85 SHOULDER ROOM—THIRD. Measured in the same manner as W5.
- W86 HIP ROOM—THIRD. Measured in the same manner as W5.
- 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.).
- 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.).
- H89 EFFECTIVE T-POINT HEAD ROOM—THIRD. Measured in the same manner as H75.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

Dimensions Definitions

Station Wagon – Cargo Space Dimensions

- L200 CARGO LENGTH—OPEN—FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
- L201 CARGO LENGTH—OPEN—SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering 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 back panel at the height of the belt, on the zero "Y" plane.
- L205 CARGO LENGTH AT BELT—SECOND. The minimum dimension measured horizontally from the back of the second seatback at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.
- W201 CARGO WIDTH—WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure 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.

- H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.
- H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.
- H250 TAILGATE TO GROUND (CURB MASS WT). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.
- V2 STATION WAGON
Measured in inches:
$$\frac{W4 \times H201 \times L204}{1728} = \text{ft.}^3$$

Measured in mm:
$$\frac{W4 \times H201 \times L204}{10^9} = \text{m}^3(\text{cubic meter})$$
- V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

Hatchback – Cargo Space Dimensions

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

- 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.
- L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.
- L209 CARGO LENGTH AT FLOOR—FRONT—HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.
- V3 HATCHBACK.
Measured in inches:
$$\frac{L208 + L209}{2} \times W4 \times H197$$

$$\frac{\hspace{10em}}{1728} = \text{ft.}^3$$

Measured in mm:
$$\frac{L208 + L209}{2} \times W4 \times H197$$

$$\frac{\hspace{10em}}{10^9} = \text{m}^3(\text{cubic meter})$$

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Index

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

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
SUPPLEMENTAL PAGE

Car Line _____

Model Year _____ Issued _____ Revised (*) _____
