

**Specifications
Form
Passenger Car**

1983

METRIC (U.S. Customary)

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

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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 CELEBRITY
 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)
CELEBRITY		MODEL NUMBER	FRONT/REAR		
2-Door Notchback Coupe		1AW27	2	3	72.5 (159.8)
4-Door Notchback Sedan		1AW19	2	3	72.5 (159.8)

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 CELEBRITY
 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 29.36 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 2.5 Liter (151 CID) LR8	EFI *	8.2:1	92 @ 4000	134 @ 2800	S	Auto '125c' (MD9) - Base	2.84@	2.84**
Avail - All States	V6 2.8 Liter (173 CID) LE2	2	8.5:1	112 @ 4800	145 @ 2100	S	Auto '125c' (MD9) - Base	2.84@@	
Avail - All States	V6 4.3 Liter (262 CID) (LT7)	F.I. Die- sel	22.8:1	85 @ 3600	165 @ 1600	S	Auto '125c' (MD9) - Base	2.84@	2.39%
							Auto '440-T4' (ME9) - Avail	3.06¢	2.14\$
* - Electronic Fuel Injection @ - Chain drive ratio is 38:32, final drive ratio 2.39:1. @@ - Chain drive ratio is 35:35, final drive ratio 2.84:1. ** - Available with RPO NA6, High Altitude option only, Chain drive ratio is 35:35, final drive ratio 2.84:1. ¢ - Chain drive ratio is 35:35, final drive ratio 2.14:1. % - Available with RPO NA6, High Altitude option only, Chain drive ratio is 38:32, final drive ratio is 2.39:1. \$ - Available with RPO NA6 High Altitude option only, Chain drive ratio is 35:35, final drive ratio is 2.14:1.									

* S-Single D-Dual

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

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

Engine Description/Carb. Engine Code	2.5 LITER L-4(151 CID) ELECTRONIC FUEL INJ. RPO LRB	2.8 LITER V-6(173 CID) 2-BBL CARBURETOR RPO LE2	4.3 LITER V-6(262 CID) FUEL INJECTION DIESEL RPO LT7
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ENGINE - GENERAL

Type & description (In-line, V, angle, flat, location, front, mid, rear, transverse, longitudinal, etc.)	In-line Front	60° V-6	90° V-6
	Transverse, front of engine faces right side of vehicle		
No. of cylinders	4	6	
Bore	101.6 (4.0)	89 (3.50)	103.05 (4.057)
Stroke	76.2 (3.0)	76 (2.99)	85.98 (3.385)
Bore spacing (c/l to c/l)	111.8 (4.40)	111.8 (4.40)	117.5 (4.625)
Cylinder block material	Cast Alloy Iron		
Cylinder block deck height	232.2 (9.14)	224 (8.819)	237 (9.330 + .005)
Deck clearance (minimum) (above or below block)	.3790 (.01492)-Below	0.64 (.025)-Below	.46 (.018)-Above
Cylinder head material	Cast Alloy Iron		Cast Iron
Cylinder head volume (cm ³)			21.48 (1.311 in ³)
Head gasket thickness (compressed)	0.97 (.038)	0.838 (0.033)	1.17-1.22 (.046-.048)
Minimum combustion chamber volume (cm ³)	88.845 (5.4217)	51.5 (3.14)	33.41 (2.039)
Cyl. no. system (front to rear)*	L. Bank	1-2-3-4	2-4-6
	R. Bank	--	1-3-5
Firing order	1-3-4-2	1-2-3-4-5-6	1-6-5-4-3-2
Recommended fuel (leaded, unleaded, diesel)	Unleaded		Diesel fuel #2 (above 20° F) *
Fuel antiknock index (R + M) / 2	87		
Total dressed engine mass (wt) dry**	125.8 (277)	142.9 (315)	231.8 (511.0)

Engine - Pistons

Material	Cast Aluminum Alloy		
Mass, g (weight, oz.) - Piston Only	591 (20.85)	467 (16.47)	796 (28.08)

Engine - Camshaft

Location	In Block	Center	
Material (kg., weight, lbs.)	Cast Iron		
Mass (kg., weight, lbs.)	3.546 (7.82)	3.098 (6.83)	
Type of drive (chain or belt)	Width	Gear	Chain-19.0 (.748)
	Pitch	--	9.53 (.375)
		3.748 (8.3)	Chain-14.48 (.570)
			12.7 (.500)

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

** Dressed engine mass (weight) includes the following

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

*Diesel fuel #1. (below 20°F)

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

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

Engine Description/Carb. Engine Code	2.5 LTR L-4(151 CID)	2.8 LITER V6(173 CID)	4.3 LTR V6(262 CID)
	ELECTRONIC FUEL INJ. RPO LR8	2-BBL CARBURETOR RPO LE2	FUEL INJECTION DIESEL RPO LT7

Engine - Valve System

Lifters (std. opt. n.a.)	Hydraulic	Standard
	Solid	--

Engine - Connecting Rods

Material & mass (kg, weight, lbs.)	Cast Arms Steel .555 (1.223)	1038 Steel .399 (0.880)	1140 Steel .880 (1.940)
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Engine - Crankshaft

Material (kg, weight, lbs.)	Nodular Cast Iron		
Mass (kg, weight, lbs.)	12.381 (27.29)	14.170 (31.24)	18.143 (40.0)
End thrust taken by bearing (no.)	5	3	

Engine - Lubrication System

Normal oil pressure (kPa (psi) at engine rpm)	259 (37.5)	345-450 (50-65)@2000	207-310@150RPM (30-45 PSI)
Type oil intake (floating, stationary)	Stationary		
Oil filter system (full flow, part, other)	Full flow		
Capacity of c/case, less filter-refill-L (qt)	2.8 (3.0)	3.8 (4.0)	5.7 (6.0 qt) service with filter

Engine - Diesel Information

RPO LT7 Diesel		
Glow plug, current drain at 0°F	18 amps	
injector nozzle	Type	Poppet
	Opening pressure (kPa (psi))	6900 +/- 690 (1000 +/- 100)
Pre-chamber design	Side Exit	
Fuel injection pump	Manufacturer	Stanadyne/Cav
	Type	DB2
Supplementary vacuum source (type)	Mechanical pump	

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

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

Engine Description/Carb.
 Engine Code

2.5 LTR L4(151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8 LTR V6(173 CID) 2-BBL CARBURETOR RPO LE2	4.3 LTR V6(262 CID) FUEL INJ. DIESEL RPO LT7
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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	Carburetor	Fuel Injection	
Carburetor	Mfr.	--	Rochester		
	Choke (type)	--	Electric	--	
	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		Cylinder Head	
	Constant, pulse, flow	Pulse		Pulse	
	Control (electronic, mech.)	Electronic		Mechanical	
	System pressure (kPa (psi))			6900 kPa +/-690 (1000 +/-100)	
Intake manifold heat control (exhaust or water) thermostatic or fixed		Water	Exhaust	--	
Air cleaner type	Standard	(*)		(+)	
	Optional	--			
Fuel pump	Type (elec. or mech.)	Mechanical		Electric	
	Location (eng. tank)	RF	LF	Top center of engine	
	Pressure range (kPa (psi))	45-55 (6.5-8.0)	41-52 (6.0-7.5)	37.92-44.82(5.5-6.5)	

Fuel Tank

Capacity (refill L (gallons))	59.4(15.7) approx.	62.1(16.4) approx.	62.8(16.6) approx.
Location (describe)	Underside - rear center		
Attachment	Underbody strap		
Material	Steel #1008 or 1010 GM-124-M		
Filler pipe	Location & material	Driver side near quarter	
	Connection to tank	Solid Solder	
Fuel line (material)	Steel #1008 or 1010 GM-124-M		
Fuel hose (material)	Rubber		
Return line (material)	Steel #1008 or 1010 GM-124-M		
Vapor line (material)	Steel #1018 or 1010 GM-124-M		
Extended range tank	Opt. n.a	Not available	
	Capacity (L (gallons))		
	Location & material		
	Attachment		
Auxiliary tank	Opt. n.a	Not available	
	Capacity (L (gallons))		
	Location & material		
	Attachment		
	Selector switch or valve		
Separate fill			

(*) - Replaceable paper element, single snorkel.
 (+) - Oil wetted paper element.

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Passenger Car
METRIC (U.S. Customary)

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

Engine Description/Carb. Engine Code	2.5 LTR L4(151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8 LTR V6(173 CID) 2-BBL CARBURETOR RPO LE2	4.3 LTR V6(262 CID) FUEL INJ. DIESEL RPO LT7
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Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard		
Coolant fill location (rad., bottle)		Bottle		
Radiator cap relief valve pressure (kPa (psil))		103.4 (15.0)	117.0 (17.0)	
Circulation thermostat	Type (choke, bypass)	Choke		
	Starts to open at °C (°F)	90 (195°)	85 (185)	
Water pump	Type (centrifugal, other)	Centrifugal		
	GPM 1000 pump rpm	--	10.2	
	Number of pumps	One		
	Drive (V-belt, other)	V-Belt		
	Bearing (type)	Sealed Double Row Ball		
By-pass recirculation (type (inter., ext.))		Internal	External	
Radiator core (type (cross-flow vertical cellular tube and fin, other) and material)		Cross flow		
Cooling system capacity	With heater - L(qt.)	11.82 (12.5)	11.7 (12.4)	
	With air cond - L(qt.)	9.48 (10)	12.42 (13.1)	
	Opt. equipment (specify - L(qt.))	9.30 (9.8) H.D. Rad.	12.52 (13.2) H.D. Rad.	
Water jackets full length of cyl. (yes, no)		Yes		
Water all around cylinder (yes, no)		Yes		
Radiator core	Standard	Width	430 (16.93)	668 (26.3)
		Height	429.7 (16.92)	430 (16.9)
		Thickness	25.0 (.98)	25.0 (.98)
		Fins per inch	5	7.26
	A/C	Width	668.0 (26.3)	430 (16.9)
		Height	429.7 (16.92)	40.2 (1.58)
		Thickness	25.0 (.98)	17
		Fins per inch	5	6.35
	Heavy duty	Width	668.0 (26.3)	430 (16.9)
		Height	429.7 (16.92)	17
		Thickness	40.2 (1.58)	
		Fins per inch	6.35	
Fan (standard)	Number of blades & type (flex, solid, material)		7-Plastic	5-Irregular
	Diameter & projected width		386.0 (15.2)	422 (16.6)
	Ratio (fan to crankshaft rev.)		--	Single speed 96w
	Fan cutout type		ECM controlled	Coolant temperature
	Drive (type (direct, remote))		Electric, one (1)	
	Fan shroud (material)			
Fan (electric)	Diameter & projected width			422 (16.6)
	RPM at idle			1800@L/S, 2400@H/S
	Motor rating (wattage)			150/400 Watts-2-speed
	Motor switch (type & location)			2 A/C Head pressure
	Switch point (temp., pressure)			106/116°C (223/241)
Fan shroud (material)			No available	
Fan (optional)	No. of blades and spacing		7	7-Irregular
	Diameter & projected width		373.2 (14.7)	422 (16.6)
	Ratio (fan to crankshaft rev.)		--	2-Speed 150/400w
	Fan cut-out (type)		ECM Controlled	(3)
	Drive (type, direct, remote)		Electric, one (2)	

(1) - with rotating reinforcement ring
 (2) - with rotating reinforcement ring, shrouded

(3) - coolant temp. and A/C pressure.

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

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

Engine Description/Carb. Engine Code	2.5L L-4 (151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8L V6 (173 CID) 2-BBL. CARBURETOR RPO LE2	4.3L V6 (262 CID) FUEL INJ. DIESEL RPO LT7
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Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Computer Command Control	Air Injection with Computer Command Control	
	Air Injection	Pump (type)	None	Vane	
		Driven by	--	V-Belt	
		Air distribution (head manifold etc)	--	Exh. Manifold Convrt Air Cleaner	
		Point of entry	--	Exh. Manifold & Conv	
	Exhaust Gas Recirculation	Type (controlled flow, open orifice other)	Controlled flow		Variable orifice
		Exhaust source	Manifold	R.H. Bank	Manifold
		Point of exhaust injection (spacer carburetor manifold other)	Inlet manifold		Air crossover
	Catalytic Converter	Type	Single bed	Dual bed	
		Number of	Oxidizing & Reducing		Oxidizing & Reducing
Location(s)		One			
Volume (L (in ³))		Mounted to Underbody			
Substrate type		(160)	2.8 (170)		
Crankcase Emission Control	Type (ventilates to atmosphere induction system other)		Pellets		
	Energy source (manifold vacuum carburetor other)		Monolith		
	Discharges (to intake manifold other)		Induction system		
	Inlet (breather cap other)		Manifold vacuum		
Evaporative Emission Control	Fuel tank		Inlet manifold		
	Carburetor		Carburetor air cleaner		
	Vapor vented to (crankcase canister other)		Canister		
	Vapor Storage provision (crankcase canister other)		Canister		

Engine - Exhaust System

Type (single, single with cross-over, dual other)	Single	Single with crossover	
Muffler no & type (reverse flow, straight thru, separate resonator)	One-reverse flow		
Resonator no & type	None		
Exhaust pipe	Branch od. wall thickness	57.15X1.04(2.25X.041)(1)	None
	Main od. wall thickness	44.5X1.12(1.75X.044)	47.6X1.04(1.87X.041)(2)
	Material	Stainless steel	See below
Intermediate pipe	od & wall thickness	50.8X1.12(2.0X.044)	50.8X1.09(2.0X.043)
	Material	Aluminum coated steel	Aluminum coated stl.
Tail pipe	od & wall thickness	50.8X1.12(2.0X.044)	44.5X1.09(1.75X.043)
	Material	Aluminum coated steel	Stainless steel

- 1) Air gap construction - steel inner, stainless steel outer.
- 2) Stainless steel pipe with aluminum coated heat stove.

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

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

Engine Description/Comb.
 Engine Code

2.5L L-4 (151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8L V6 (173 CID) 2-BBL CARBURETOR RPO LE2	4.3L V6 (262 CID) FUEL INJ. DIESEL RPO LT7
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Electrical - Supply System

Battery	Voltage (V & total plates)	12 Volt		
	Minimum reserve cranking	(a) 70 min res cap (b)	(f) 75 min res cap (b)	(g) 175 min res cap (h)
	BAE capacity (amps)	355 base 500 H.D.	315 base 500 H.D.	770 base 1000 H.D. (total)
	Location	Engine compartment		
Generator or alternator	Type and rating	(c, d, e)	(c, d, e)	(i, d, j)
	Ratio (alt crank/rev.)	(c, d) 2.73 (e) 2.51	3.27	3.26
	Optional (type & rating)	None		
Regulator	Type	Integral with alternator		

Electrical - Starting System

Start motor	Current drain at 0°F		235*	785 amps*
	Engagement type	Overrunning clutch	Pinion	Positive
Motor drive	Pinion engages from (front, rear)	Front	Rear	Front

- a) - 70-355 standard battery.
- b) - 75-500 with H.D. option UA1.
- c) - 42 amp with heater, 10 SI (22 amp @ idle).
- d) - 63 amp with heater and heated backlite, 10 SI (23 amp @ idle)
- e) - 78 amp with A/C, 15 SI (40 amp @ idle.
- f) - 70-315 standard battery.
- g) - 76-750 standard battery.
- h) - 75-500 with H.D. option UA1 (2 required).
- i) - 63 amp with heater.
- j) - 85 amp with A/C.
- * - Current drain for starting motor is at -20°F.

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

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

Engine Description/Carb.
 Engine Code

2.5L L4 (151 CID) ELECTRONIC FUEL INJ RPO LR8	2.8L V6 (173 CID) 2-BBL CARBURETOR RPO LE2	4.3L V6 (262 CID) FUEL INJ. DIESEL RPO LT7
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Electrical - Ignition System

Type	Conventional (std. opt. n.a.)		Not available
	Transistorized (std. opt. n.a.)		Not available
	Other (specify)		High Energy Ignition System (HEI)
Coil	Make		Delco-Remy
	Model		1115463
	Current	Engine stopped - A	0
		Engine idling - A	3.5 Max
Spark plug	Make		AC --
	Model		R44TSX R43CTS --
	Thread (mm)		14 M14X1.25 --
	Tightening torque [N-m (lb. ft.)]		20 (15) 9-20 (7-15) --
	Gap		1.52 (.060) 1.143 (.045) --
Distributor	Make		Delco Remy
	Model		1103519

Electrical - Suppression

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

Speed-ometer	Type	In-line with pointer, 7 wheel odometer
	Trip odometer (std. opt. n.a.)	Optional
EGR maintenance indicator		Not available
Charge indicator	Type	Tell-tale light
	Warning device	Not available
Temperature indicator	Type	Tell-tale light
	Warning device	Not available
Oil pressure indicator	Type	Tell-tale light
	Warning device	Not available
Fuel indicator	Type	Electric gage with pointer
	Warning device	Not available
Wind-shield wiper	Type (standard)	Electric two speed, non-articulated
	Type (optional)	Intermittent
	Blade length	457.2 (18.0)
	Swept area [cm ² (in ²)]	5751 (891.6)
Wind-shield washer	Type (standard)	Electric, integral pump/motor, dual nozzle fan spray
	Type (optional)	Not available
	Fluid level indicator	Not available
Horn	Type	Electric vibrator
	Number used	Two, A & F notes
Other		Standard: restraint system warning light and buzzer, parking brake and brake failure warning light Optional: voltmeter, oil pressure, coolant temperature gages, clock, rear window defogger indicator light.

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

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

Engine Description/Carb. Engine Code	2.5L L-4 (151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8L V6 (173 CID) 2-BBL CARBURETOR RPO LE2	4.3L V6 (262 CID) FUEL INJ. DIESEL RPO LT7
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Transmissions

Manual 3-speed (std., opt., n.s.)	Not available
Manual 4-speed (std., opt., n.s.)	Not available
Manual 5-speed (std., opt., n.s.)	Not available
Manual overdrive (std., opt., n.s.)	Not available
Automatic (std., opt., n.s.)	Standard
Automatic overdrive (std., opt., n.s.)	Not available

Manual Transmission

Number of forward speeds		Not	
Transmission ratios	In first	Available	
	In second	--	
	In third	--	
	In fourth	--	
	In fifth	--	
	In overdrive	--	
	In reverse	--	
	Synchronous meshing (specify gears)		--
Shift lever location		--	
Lubricant	Capacity (L (pt))	--	
	Type recommended	--	
	SAE viscosity number	Summer	--
		Winter	--
Extreme cold		--	

Clutch (Manual Transmission)

Make & type		Not
Type pressure plate springs		Available
Total spring load (N (lb))		--
No of clutch driven discs		--
Clutch facing	Material	--
	Manufacturer	--
	Part number	--
	Rivets/plate	--
	Rivet size	--
	Outside & inside dia.	--
	Total eff area (cm ² (in. ²))	--
	Thickness	--
Engagement cushion method	--	
Release bearing	Type & method of lubrication	--
Torsional damping	Method, springs, friction material	--

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

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

Engine Description/Carb.
 Engine Code

2.5L L-4 (151 CID) ELECTRONIC FUEL INJ RPO LR8	2.8L V6 (173 CID) 2-BBL. CARBURETOR RPO LE2	4.3L V6 (262 CID) FUEL INJ. DIESEL RPO LT7
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Automatic Transmission

Trade name		3-speed automatic
Type (describe)		Torque converter with planetary gears
Selector	Location	Column or floor
	Ltr./No designation	P-R-N-D-2-1
Gear ratios	R	2.07
	D	1.00
	L ₃	--
	L ₂	1.60
	L ₁	2.84
Max upshift speed - drive range (km/h (mph))		120 (75)
Max kickdown speed - drive range (km/h (mph))		113 (70)
Min. overdrive speed (km/h (mph))		--
Torque converter	Number of elements	3
	Max ratio at stall	1.9
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 (9.65)
Lubricant	Capacity (refill L (pt.))	4.6 (10.0)
	Type recommended	Dexron II
Special transmission features		Torque converter clutch, 3 rd 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		--	
Drive pinion (type)		--	
No. of differential pinions		2	
Pinion adjustment (shim, other)		--	
Pinion bearing adj. (shim, other)		Integral double row ball bearing	
Driving wheel bearing (type)		Sealed ball bearings (integral part of bolt-in hub units)	
Lubricant	Capacity (L (pt.))	Not available - part of automatic	
	Type recommended	Transmission assembly which uses GM Dexron II fluid	
	SAE viscosity number	Summer	GM Dexron II fluid
		Winter	--
Extreme cold		--	

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

Axle ratio or overall ratio		2.84	2.84	3.06
No. of teeth	Pinion	38	35	35
	Ring gear or gear	32	35	35
Ring gear o.d.		--		
Transaxle	Transfer gear ratio	1.0	1.0	1.0
	Final drive ratio	2.39	2.84	3.06

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

Car Line CELEBRITY
 Model Year 1983 Issued 9-82 Revised (*) _____

Engine Description/Carb.
 Engine Code

4.3L V6 (262 CID)
 FUEL INJECTION DIESEL
 RPO: LT7

Automatic Transmission		(See Power Teams for Transmission Usage)
Trade name		4-Speed Automatic
Type (describe)		Torque converter with planetary gears 440-T4
Selector	Location	Column or floor
	Ltr./No. designation	P-R-N-D-3-2-1
Gear ratios	R	2.38
	D	1.00@
	2	1.57
	1	2.92
	Overdrive	0.70@
Max. upshift speed - drive range [km/h (mph)]		--
Max. kickdown speed - drive range [km/h (mph)]		--
Min. overdrive speed [km/h (mph)]		
Torque converter	Number of elements	3
	Max. ratio at stall	
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 (9.65)
Lubricant	Capacity [refill L (pt.)]	3.0 (6.0)
	Type recommended	Dexron II
Special transmission features		Torque converter clutch lock-up 3rd & 4th gear

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	--		
Drive pinion (type)	--		
No. of differential pinions	2		
Pinion adjustment (shim, other)	--		
Pinion bearing adj. (shim, other)	Integral double row ball bearing		
Driving wheel bearing (type)	Sealed ball bearings (integral part of bolt-in hub units)		
Lubricant	Capacity [L (pt.)]	Not available - part of automatic	
	Type recommended	Transmission assembly which uses GM Dexron II fluid	
	SAE viscosity number	Summer	GM Dexron II fluid
		Winter	--
		Extreme cold	--

Axle or Transaxle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage.)			
Axle ratio or overall ratio	2.84	2.84	3.06
No of teeth	Pinion	38	35
	Ring gear or gear	32	35
Ring gear o.d.	--		
Transaxle	Transfer gear ratio	1.0	1.0
	Final drive ratio	2.39	2.84
			3.06

@ - Converter clutch engagement

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

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

Engine Description/Carb.
 Engine Code

2.5L L-4 (151 CID) THROTTLE BODY INJ. RPO LR8	2.8L V-6 (173 CID) 2-Bb1. CARBURETOR RPO LE2	4.3L V-6 (262 CID) FUEL INJ. DIESEL RPO LT7
---	--	---

Axle Shafts – Front Wheel Drive

Number used		Two	
Type (straight, solid bar, tubular, etc.)		Left	Straight, solid bar
		Right	Straight, solid bar
Outer diam. x length* x wall thickness	Manual transmission	Left	None
		Right	--
	Automatic transmission	Left	23.8 x 299.0 (0.937 x 11.77)
		Right	23.8 x 414.1 (0.937 x 16.30)
	Optional transmission	Left	None
		Right	--
Slip yoke	Type		None
	Number of teeth		--
	Spline o.d.		--
Universal joints	Make and mfg. no.	Inner	Saginaw
		Outer	Saginaw
	Number used		Four 2 each shaft
	Type, size, plunge	Inner	Tripot, 63.5 (2.5) plunge
		Outer	Rzeppa, fixed
	Attach (u-bolt, clamp, etc.)		--
Bearing	Type (plain, anti-friction)	Not applicable	
	Lubric. (fitting, prepack)	Prepacked	
Drive taken through (torque tube, arms or springs)		Wishbone lower control arm, upper MacPherson strut	
Torque taken through (torque tube, arms or springs)		Engine mounting system	

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

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

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

Engine Description/Carb.
 Engine Code

2-DOOR NOTCHBACK COUPE	4-DOOR NOTCHBACK SEDAN
------------------------	------------------------

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P185/80R-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		Ventilated, semi-styled disc
	Rim (size & flange type)		13 x 5.5
	Wheel offset		42 mm
	Attachment	Type (bolt or stud)	Stud
		Circle diameter	100 mm
Number & size		5-M12 x 1.5-6H. Thd. (metric)	
Spare	Tire and wheel (same, if other describe)		14 x 4 wheel; compact spare tire T125/70D14
	Storage position & location (describe)		Horizontal, under load floor

Tires And Wheels (Optional)

Size (load range, ply)		P185/80R-13, WW
Type (bias, radial, etc.)		Glass belted radial
Wheel (type & material)		
Rim (size, flange type and offset)		13 x 5.5
Size (load range, ply)		P185/80R-13, BW, WW
Type (bias, radial, etc.)		Steel belted radial
Wheel (type & material)		
Rim (size, flange type and offset)		13 x 5.5
Size (load range, ply)		P205/70R-13, WW, WL (+)
Type (bias, radial, etc.)		Steel belted radial
Wheel (type & material)		
Rim (size, flange type and offset)		13 x 5.5
Size (load range, ply)		P195/75R-14
Type (bias, radial, etc.)		Steel belted radial (*)
Wheel (type & material)		
Rim (size, flange type and offset)		14 x 5.5
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		

Brakes - Parking

Type of control		Foot pedal - application; 'T' handle - release
Location of control		Under instrument panel, left of steering column
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

(+) - Required with sport suspension, RPO F41.
 (*) - Available only with diesel engine, RPO LT7.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car Line CELLEDR111
 1983 7-23-82
 Model Year _____ Issued _____ Revised (*) _____

Body Type And/Or
 Engine Displacement

2.5L L-4 (151 CID) THROTTLE BODY INJ. RPO LR8	2.8L V-6 (173 CID) 2-Bb1. CARBURETOR RPO LE2	4.3L V-6 (260 CID) FUEL INJ. DIESEL RPO LT7
---	--	---

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.)		Tandem Vacuum			
Anti-skid device type (std., opt., n.a.)		Not Available			
Effective area [cm ² (in. ²)]*		558 (86.5)			
Gross lining area [cm ² (in. ²)]**		553 (85.7)			
Swept area [cm ² (in. ²)]***		1746 (270.6)			
Rotor	Outer working diameter	F	247mm (9.72 in.)	1839 (285)	
		R	--	260 (10.24)	
	Inner working diameter	F	147mm (5.67 in.)		
		R	--		
	Thickness	F	22mm (0.866 in.)		
		R	--		
	Material & type (vented/solid)	F	Cast iron, vented,		
		R	--		
Drum	Diameter (nominal)	F	--		
		R	225mm (8.85 in.) (Rear)		
Type and material		Composite cast iron, finned			
Wheel cylinder bore	Front	57mm (2.24 in.)			
	Rear	17.5mm (0.689 in.)		19 (0.748)	
Master cylinder	Bore	22.2 x 31.8 (0.87 x 1.25)			
	Stroke	35.75 (1.41)			
Pedal arc ratio		3.5:1			
Line pressure at 445 N (100 lb.) pedal load [kPa (psi)]		12618 (1830)			
Lining clearance per shoe	Front	Self adjusting, 0			
	Rear	Self adjusting, 0.381 mm			
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Riveted	
		Rivet size		5.33 x 9.63 (0.210 x 0.379)	
		Manufacturer		Delco Moraine	
		Lining code		117 FE	117 FF
		Material		Semi-metallic 8032	7161 A
		Size	Primary or out-board	125 x 46 x 10mm	
			Secondary or in-board	125 x 46 x 11mm	
	Shoe thickness (no lining)		Inboard 5, outboard 3		
	Rear wheel	Bonded or riveted (rivets/seg.)		Riveted	
		Manufacturer		Inland	
		Lining code		240 FF	
		Material		Organic 4050	Semi-metallic 4062
		Size	Primary or out-board	176 x 44 x 6mm	
			Secondary or in-board	208 x 44 x 7.6mm	
Shoe thickness (no lining)		2mm (0.0787 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 thickness.

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

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

Body Type And/Or
 Engine Displacement

ALL

Steering

Manual (std., opt., n.a.)		Not available		
Power (std., opt., n.a.)		Standard		
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt		
	(Std., opt., n.a.)	Optional		
Wheel diameter	Manual	--		
	Power	375.0 (14.76)		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	12.190 (39.99)	
		Curb to curb (l. & r.)	11.268 (36.96)	
	Inside rear	Wall to wall (l. & r.)	--	
		Curb to curb (l. & r.)	--	
Manual	Gear	Type	Not available	
		Make	--	
		Ratios	Gear	--
			Overall	--
	No. wheel turns (stop to stop)	--		
Power	Type (coaxial, linkage, etc.)		Rack and pinion, integral pump	
	Make		Saginaw Steering Gear	
	Gear	Type	Rack and pinion	
		Ratios	Gear	"c" Factor = 45.13 mm per revolution
			Overall	17.5:1
	Pump (drive)		Belt off crankshaft pulley	
No. wheel turns (stop to stop)		3.05		
Linkage	Type		End of rack take-off tie rods	
	Location (front or rear of wheels, other)		Rear of front wheel centerline	
	Drag links (trans. or longit.)		Not applicable	
	Tie rods (one or two)		Two	
Steering axis	Inclination at camber (deg.)		14.6°	
	Bearings (type)	Upper	Ball bearing	
		Lower	Ball joint	
		Thrust	Ball bearing	
Steering spindle & joint type		MacPherson strut with lower ball joint		
Wheel spindle	Diameter	Inner bearing	Not applicable to integral bearings. Service only as assembly.	
		Outer bearing		
	Thread (size)		--	
	Bearing (type)		Integral double row ball, permanently lubricated	

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

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

Body Type And/Or
 Engine Displacement

ALL

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	2.0° +/- 2° left & right side should be equal within 2°
		Camber (deg.)	0.0° +/- 1.0°
		Toe-in [outside track-mm (in.)]	0.0° +/- 0.4° total
	Service reset*	Caster	Not adjustable
		Camber	0.0° +/- 0.5°
		Toe-in	0.0° +/- 0.2° total
	Periodic M.V. inspection	Caster	Not adjustable
		Camber	0.0° +/- 1.0°
		Toe-in	0.0° +/- 0.4° total
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	
		Toe-in [outside track-mm (in.)]	
	Service reset*	Camber	
		Toe-in	
	Periodic M.V. inspection	Camber	
		Toe-in	

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

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

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

Body Type And/Or
 Engine Displacement

ALL

Suspension - General

Car leveling	Std/opt./n.a.	Not available
	Type (air, hyd, etc.)	--
	Manual/auto controlled	--
Provision for brake dip control		Front suspension geometry
Provision for accel. squat control		Front suspension geometry
Special provisions for car jacking		Body pickup at rocker panels
Shock absorber (front & rear)	Type	Front: MacPherson strut; Rear: direct, double acting
	Make	Delco
	Piston diameter	Front: 32 (1.26); Rear: 25 (1.00)
Other special features		--

Suspension - Front

Type and description		MacPherson strut with coil springs, stamped lower control arms and nodular iron steering knuckles
Travel	Full jounce	95.0 mm (3.7 in)
	Full rebound	89.0 mm (3.5 in)
Spring	Type (coil leaf, other)	Coil (a)
	Material	Steel
	Size (coil design height & i.d., bar length x dia.)	260 (10.3) height at checking load; 165.1 (6.5) I.D.; 2768 (108.9) length; 136 (0.54) dia.
	Spring rate (N/mm (lb/in))	Base 14.5(83.0) F40-23.5(134.0) F41-16.0(91.0) Ds1 17.5(100.0)
	Rate at wheel (N/mm (lb/in))	Base 17.6(100.0) F40-26.08(149.0) F41-19.0(108.0) Ds1 20.93(119.0)
Stabilizer	Type (link knickless frameless)	Link
	Material & bar diameter	Steel; base 22 (.87), F41 28 (1.10), Diesel 24 (.94)

Suspension - Rear

Type and description		Trailing arm and track bar
Drive and torque taken through		Not applicable
Travel	Full jounce	105.0 mm (4.1 in)
	Full rebound	95.0 mm (3.7 in)
Spring	Type (coil leaf, other)	Coil (a)
	Material	Steel
	Size (length x width coil design height & i.d., bar length & dia.)	254 (10) height at checking load; 108.0 (4.3) I.D.; 2282 (89.8) length; 12.4 (0.49) dia.
	Spring rate (N/mm (lb/in))	Base & F41-26.9 (153.7), F40-40.5 (231.0)
	Rate at wheel (N/mm (lb/in))	Base & F41-15.5 (88.7), F40-22.72 (130.0)
	Mounting insulation (type)	Rubber insulator top and bottom
	if leaf	No. of leaves
Stabilizer	Shackle (comp or tens)	--
	Type (link knickless frameless)	Linkless, integral with axle
Material & bar diameter		Steel, 20 mm (.79)
Track bar (type)		Transverse beam

(a) Springs for all models are computer selected for load according to vehicle weight. Base condition shown. Optional specifications provide stiffer rates.

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

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

Body Type

ALL

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		Acrylic lacquer or waterbase acrylic enamel
Hood	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	No counterbalance, Prop rod type
	Release control (internal, external)	Internal
Trunk lid	Type (counterbalance, other)	Torsion bar counterbalance
	Internal release control (elec., mech., n.a.)	External
Bumper front	Bar material & mass (wt.)	Steel 10.700 (23.6)
	Reinforcement material & mass (wt.)	None
Bumper rear	Bar material & mass (wt.)	Steel 12.600 (27.8)
	Reinforcement material & mass (wt.)	None
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Seat cushion type	Front	Molded polyurethane padding
	Rear	Molded polyurethane padding
	3rd seat	None
Seat back type	Front	Molded polyurethane padding
	Rear	Molded polyurethane padding
	3rd seat	None
Vehicle ident. no. location		Top left hand instrument panel pad

Passive Restraint System

Inflatable restraint system	Standard/optional	Not available
	Type of charging system	--
	Location (stg. whl., instru. panel, other)	--
Passive seat belts	Standard/optional	Not available
	Power/manual	--
	2 or 3 point	--
	Knee bar/lap belt	--

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized with bolt-on power train cradle
---	--

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

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

Body Type	2-DOOR NOTCHBACK COUPE	4-DOOR NOTCHBACK SEDAN
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Convenience Equipment

Power windows	Side windows	Optional
	Vent windows	Not available
	Backlight or tailgate	Not available
Power seats (specify type as well as availability)	Optional - 6-way power bench seat. 6-way 45/45 power bench seat, power driver seat only	
Reclining front seat back (r-l or both)	Optional, left and right	
Radio (specify type as well as availability)	Std.-AM pushbutton; Opt.-AM/FM Mono; Opt.-AM/FM Stereo w/clock. Opt.-AM/FM Stereo Radio w/Cass. Tape Player & clock (Full-Feature type and Minimum Feature)	
Premium sound system (specify)	Extended Range Rear Speaker System, Optional, available with most stereo radio equipment	
Rear seat speaker	Dual rear speakers	
Power antenna	Not available	
Clock	Digital-Opt. with mono radios; incl. w/stereo radio equip. opts.	
Air conditioner (specify type)	Optional	
Speed warning device	Not available	
Speed control device	Optional, includes resume speed feature	
Ignition lock lamp	Not available	
Dome lamp	Standard	
Glove compartment lamp	Standard	
Luggage compartment lamp	Optional	
Underhood lamp	Optional	
Courtesy lamp	Optional	
Map lamp	Not available	
Cornering lamp	Not available	
Rear window defroster electrically heated	Optional	
Rear window defogger	Not available	
T-bar roof (describe)	Not available	
Sun roof (describe)	Not available	
Theft protection—type	Lock mounted on steering column; locks steering wheel, transmission shift lever and ignition.	

**MVMA Specifications Form
Passenger Car**

Car Line CELEBRITY
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 CELEBRITY
 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		
2-Door Notchback Coupe 1AW27	773.9 (1706)	454.7 (1002)	1228.6 (2708)					1192.0 (2628)
4-Door Notchback Sedan 1AW19	769.8 (1697)	467.3 (1030)	1237.1 (2727)					1200.6 (2647)

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

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

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

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS. kg (weight. lb.)			
	Front	Rear	Total	
Air conditioning	28.2 (+62.2)	1.0 (+2.2)	29.2 (+64.4)	with L4 LR8 Engine
	28.0 (+61.7)	1.0 (+2.2)	29.0 (+63.9)	with V6 LE2 & LT7 Engine
Power door locks	0.6 (+1.3)	1.0 (+2.2)	1.6 (+3.5)	2-Door Model
	0.8 (+1.8)	2.1 (+4.6)	2.9 (+6.4)	4-Door Model
Power windows	1.0 (+2.2)	1.4 (+3.1)	2.4 (+5.3)	2-Door Model
	2.0 (+4.4)	3.4 (+7.5)	5.4 (+11.9)	4-Door Model
Seat 45/45	2.0 (+4.4)	2.0 (+4.4)	4.0 (+8.8)	2-Door Model
	2.6 (+5.7)	2.8 (+6.2)	5.4 (+11.9)	4-Door Model
Power seat, 6-way driver only	2.6 (+5.7)	2.5 (+5.5)	5.1 (+11.2)	
Reclining front seatbacks	1.5 (+3.3)	1.4 (+3.1)	2.9 (+6.4)	
Color keyed floor mats - front	1.3 (+2.9)	0.8 (+1.8)	2.1 (+4.6)	
Color keyed floor mats - rear	0.3 (+0.7)	0.8 (+1.8)	1.1 (+2.4)	
Vinyl roof covering - full	1.4 (+3.1)	1.8 (+4.0)	3.2 (+7.1)	
Electric rear window defogger	0 (0)	0.2 (+0.4)	0.2 (+0.4)	
Remote control outside rear view mirror, LH	0.2 (+0.4)	0 (0)	0.2 (+0.4)	
Sport mirrors - LH remote & RH manual	0.8 (+1.8)	0.4 (+0.9)	1.2 (+2.7)	

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

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

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

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS kg (weight, lb.)			
	Front	Rear	Total	
Console - front compartment floor	2.8 (+6.2)	2.5 (+5.5)	5.3 (+11.7)	
Twin remote sport mirrors	0.8 (+1.8)	0.6 (+1.3)	1.4 (+3.1)	
Sport suspension front & rear	1.2 (+2.7)	0.4 (+0.9)	1.6 (+3.5)	
Automatic speed control	2.4 (+5.3)	0 (0)	2.4 (+5.3)	
70 Amp delcotron generator				
Wheel cover locking package	0.6 (+1.3)	0.4 (+0.9)	1.0 (+2.2)	
Comfortilt steering wheel	0.8 (+1.8)	0.4 (+0.9)	1.2 (+2.7)	
Wire wheel covers 13" diameter	3.4 (+7.5)	3.4 (+7.5)	6.8 (+15.0)	
Sport wheel covers 13" diameter	1.2 (+2.7)	1.2 (+2.7)	2.4 (+5.4)	
Heavy duty battery	6.8 (+15.0)	-1.4 (-3.1)	5.4 (+11.9)	
Gage package	1.0 (+2.2)	0.6 (+1.3)	1.6 (+3.5)	
Radio AM/FM stereo with cassette tape & digital clock	1.2 (+2.7)	0.4 (+0.9)	1.6 (+3.5)	4-Speaker System
Radio AM/FM stereo	1.0 (+2.2)	0.6 (+1.3)	1.6 (+3.5)	
Radio AM/FM push-button	0.8 (+1.8)	0.6 (+1.3)	1.4 (+3.1)	
		--		

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

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

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

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Speakers dual rear	0	2.0	2.0	
	(0)	(+4.4)	(+4.4)	
Heavy duty cooling	1.6	-0.2	1.4	
	(+3.5)	(-0.4)	(+3.1)	
Bumper guards front & rear	0.8	0.8	1.6	
	(+1.8)	(+1.8)	(+3.6)	
Rally wheels	3.6	3.6	7.2	
	(+7.9)	(+7.9)	(+15.8)	
2.8 liter V6 (173 CID RPO LE2	29.0	-1.6	27.4	
	(+63.9)	(-3.5)	(+60.4)	

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

MVMA Specifications Form Passenger Car

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

METRIC (U.S. Customary)

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.	2-Door Notchback Coupe	4-Door Notchback Sedan
		1AW27	1AW19

Width

Tread (front)	W101	1492 (58.7)	
Tread (rear)	W102	1447 (57.0)	
Vehicle width	W103	1760 (69.3)	
Body width at Sg RP (front)	W117	1722 (67.8)	
Vehicle width (front doors open)	W120	3800 (149.6)	3310 (130.3)
Vehicle width (rear doors open)	W121	--	3174 (125.0)

Length

Wheelbase	L101	2664 (104.9)	
Vehicle length	L103	4783 (188.3)	
Overhang (front)	L104	1034 (40.7)	
Overhang (rear)	L105	1085 (42.7)	
Upper structure length	L123	2400 (94.5)	
Rear wheel C/L "X" coordinate	L127	2459 (96.8)	
Cowl point "X" coordinate	L125	206 (8.1)	207 (8.2)

Height **

Passenger distribution (frt./rear)	PD1.2.3		**
Trunk/cargo load			**
Vehicle height	H101	1365 (53.7)	
Cowl point to ground	H114	927 (36.5)	
Deck point to ground	H138		
Rocker panel-front to ground	H112	210 (8.3)	
Bottom of door closed-front to grd.	H133	281 (11.1)	
Rocker panel-rear to ground	H111	210 (8.3)	
Bottom of door closed-rear to grd.	H135	--	281 (11.1)

Ground Clearance **

Front bumper to ground	H102	353 (13.9)	
Rear bumper to ground	H104	343 (13.5)	
Bumper to ground (front at curb mass (wt.))	H103	372 (14.7)	
Bumper to ground (rear at curb mass (wt.))	H105	369 (14.5)	
Angle of approach	H106	13.7°	
Angle of departure	H107	18.9°	
Ramp breakover angle	H147	17.3°	
Rear axle differential to ground	H153	158 (6.2)	
Min running ground clearance	H156	134 (5.3)	
Location of min run. grd. clear		Front suspension	

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 Condition

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
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

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

Body Type	SAE Ref. No.	2-Door Notchback Coupe 1AW27	4-Door Notchback Sedan 1AW19

Front Compartment

Sg RP front, "X" coordinate	L31	1138 (44.8)	
Effective head room	H61	980 (38.6)	
Max. eff. leg room (accelerator)	L34	1070 (42.1)	
Sg RP (front to heel)	H30	260 (10.2)	258 (10.2)
Design H-point front travel	L17	192 (7.6)	
Shoulder room	W3	1429 (56.3)	1427 (56.2)
Hip room	W5	1329 (52.3)	1330 (52.4)
** Upper body opening to ground	H50		
Steering wheel angle	H18	22.0°	
Back angle	L40	26.0°	

Rear Compartment

Sg RP Point couple distance	L50	809 (31.9)	
Effective head room	H63	963 (37.9)	965 (38.0)
Min. effective leg room	L51	916 (36.1)	925 (36.4)
Sg RP (second to heel)	H31	260 (10.2)	261 (10.3)
Knee clearance	L48	34 (1.3)	44 (1.7)
Compartment room	L3	694 (27.3)	709 (27.9)
Shoulder room	W4	1451 (57.1)	1427 (56.2)
Hip room	W6	1362 (53.6)	1338 (52.7)
** Upper body opening to ground	H51		

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	460 (16.2)
** Lifterover height	H195	799 (31.5)

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

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CELEBRITY

Model Year 1983 Issued 7-23-82 Revised (#) _____

Body Type	SAE Ref. No.	2-Door Notchback Coupe 1AW27	4-Door Notchback Sedan 1AW19

Station Wagon - Third Seat

Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	NOT
Effective head room	H86	APPLICABLE
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	
Cargo length (closed second)	L203	
Cargo length at belt (front)	L204	NOT
Cargo length at belt (second)	L205	APPLICABLE
Cargo width (wheelhouse)	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Max. 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 - L (cu. ft.)	V2	
Hidden cargo volume - L (cu. ft.)	V4	

Hatchback - Cargo Space

Front seat back to load floor height	H197	
Cargo length at front seat back height	L208	NOT
Cargo length at floor (front)	L209	APPLICABLE
Cargo volume index - L (cu. ft.)	V3	
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).

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

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

Body Type	2-Door Notchback Coupe 1AW27	4-Door Notchback Sedan 1AW19
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Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location
Front	X - Fiducial mark to vertical base grid line - front measured horizontally, from the base grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt.
	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 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 - front, measured horizontally from 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 the rear underbody crossbar.
	Z - Fiducial mark to horizontal base grid line - rear, measured vertically from base grid line to the rear fiducial mark located on rear underbody crossbar.
Fiducial Mark Number	
Front	W21 564 (22.2)
	L54 2771 (109.1)
	H81 258 (10.2)
	H161 508 (20.0)
	** H163 487 (19.2)
Rear	W22 489 (19.3)
	L55 4980 (196.1)
	H82 387 (15.2)
	H162 634 (25.0)
	** H164 610 (24.0)

* 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 CELEBRITY
 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.	2-Door Notchback Coupe 1AW27	4-Door Notchback Sedan 1AW19
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Glass

Backlight slope angle (deg.)	H121	35.0°	34.5°
Windshield slope angle (deg.)	W122	58.0°	57.0°
Tumble-Home (deg.)	W122	21.5°	
Windshield glass exposed surface area (cm ² (in. ²))	S1	8525 (1321.4)	
Side glass exposed surface area (cm ² (in. ²))	S2	11412 (1768.9)	11251 (1743.9)
Backlight glass exposed surface area (cm ² (in. ²))	S3	4217 (653.6)	
Total glass exposed surface area (cm ² (in. ²))	S4	24154 (3743.9)	23993 (3718.9)
Windshield glass (type)		Curved - Laminated Plate	
Side glass (type)		Curved - Tempered Plate	
Backlight glass (type)		Curved - Tempered Plate	

Lamps and Headlamp Shape*

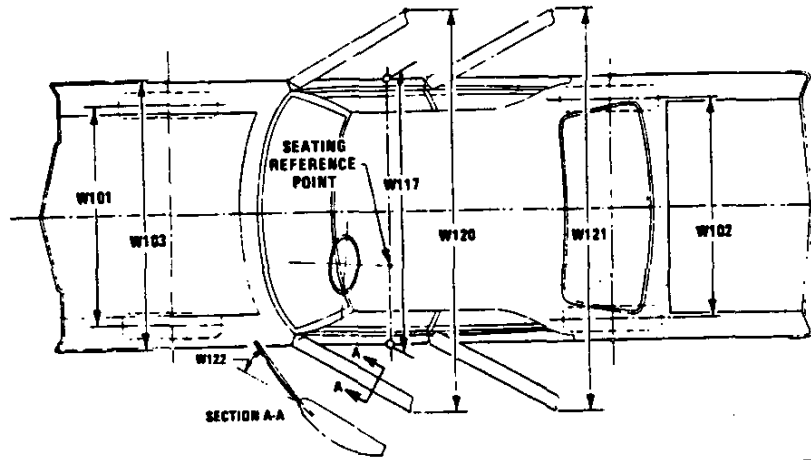
Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	664.5 (26.2)
		Lowest	664.5 (26.2)
	Taillamp (H128)	Highest**	736.6 (29.0)
		Lowest	--
	Sidemarker	Front	418.3 (16.5)
		Rear	441.2 (17.4)
Distance from C/L of car to center of bulb	Headlamp	Inside	462.0 (18.2)
		Outside**	642.5 (25.3)
	Taillamp	Inside	284.0 (11.2)
		Outside**	672.0 (26.5)
	Directional	Front	463.5 (18.3)
		Rear	479.0 (18.8)
	Headlamp shape		Rectangular

* Measured at curb mass (weight)
 ** If single lamps are used enter here.

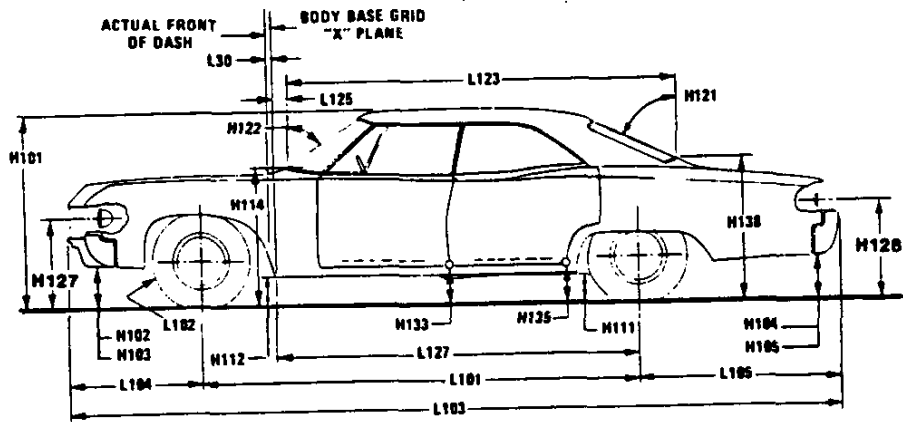
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

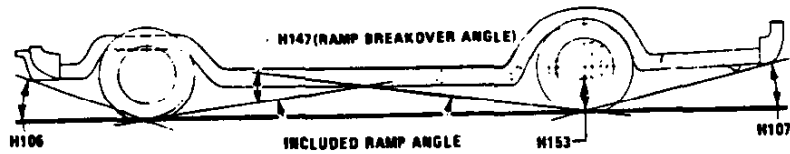
Exterior Width



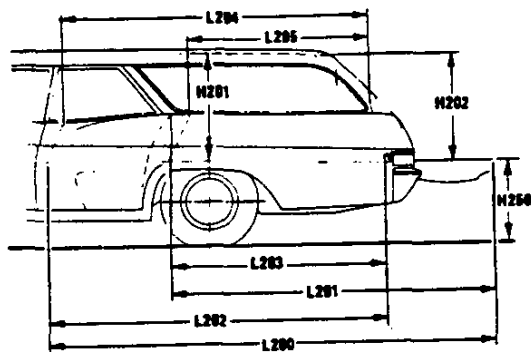
Exterior Length & Height



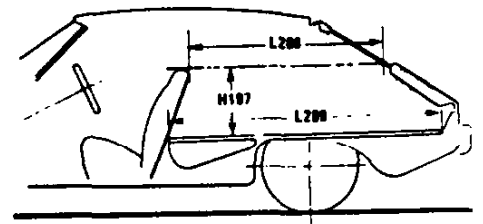
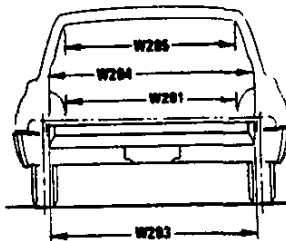
Exterior Ground Clearance



Cargo Space



Station Wagon

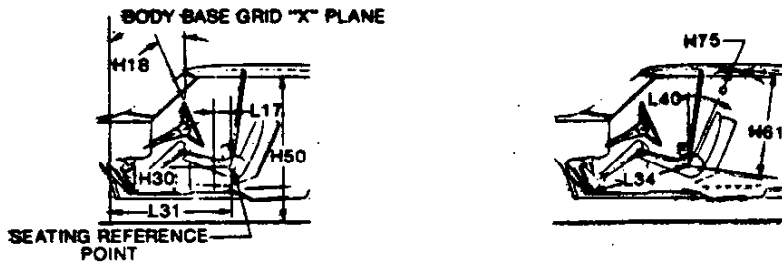


Hatchback

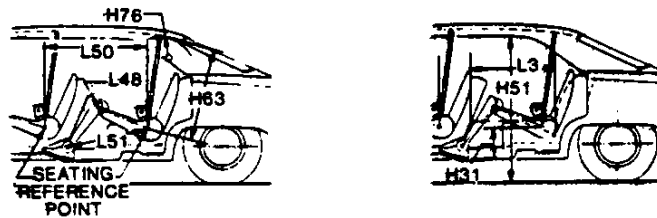
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

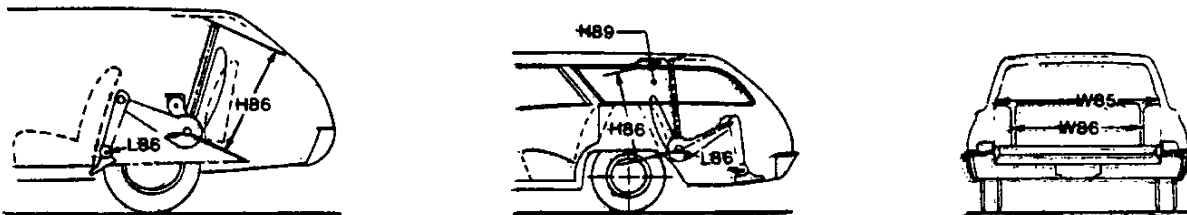
Front Compartment



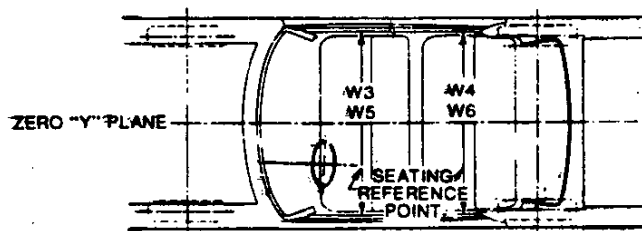
Rear Compartment



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 —

- (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, "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 are 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 are 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 8.2 of SAE-J1100a.
- H195 LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

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:
$$\frac{W4 \times H201 \times L204}{109} = \text{m}^3(\text{cubic meter})$$
- 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:
$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = \text{ft.}^3$$

Measured in mm:
$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{109} = \text{m}^3(\text{cubic meter})$$

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	4
Fuel Tank	5	Motor Starting	6
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	1
Feature Highlights	20	Trunk Luggage Capacity	24
Frame	18	Turning Diameter	15
Front Suspension	17	Unitized Construction	18
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	16
Heights — Car and Body	23	Wheelbase	23
Horns	9	Wheels & Tires	13
Horsepower — Brake	2	Wheel Spindle	15
Ignition System	9	Widths — Car and Body	23
Inflation — Tires	13	Windshield	27
Instruments	9	Windshield Wiper and Washer	9