





MOTOR VEHICLE Specifications

METRIC (U.S. Customary)

Passenger Car

1984

Manufacturer CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Car Line CELEBRITY
Mailing Address CHEVROLET ENGINEERING CENTER 30003 VAN DYKE WARREN, MI 48090	Issued SEPTEMBER, 1983
	Revised

Questions concerning these specifications should be directed to the manufacturer whose address is shown above.

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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
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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 from 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.

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Car Line CELEBRITY
 Model Year 1984 Issued 7-83 Revised (*) 9-83

Car Models

Model Description FWD/RWD	Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)			Max Trunk/Cargo Load—Kilograms (Pounds)
<u>FRONT WHEEL DRIVE</u>						
CELEBRITY		MODEL NUMBER	FRONT/REAR - 3RD			
2-Door Notchback Coupe		1AW27	2	3		72.5 (159.8)
4-Door Notchback Sedan		1AW19	2	3		72.5 (159.8)
4-Door Station Wagon		1AW35	3	3		136.2 (300)
4-Door Station Wagon with RPO AQ4-3rd seat		1AW35 with AQ4	3	3	2	0

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

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Power Teams (Indicate whether standard or optional)

SAE J1349 Net bhp (brake horsepower) and net torque connected to 77" F/25" C and 29.61 in. Hg/100 Kpa atmospheric pressure.

SERIES AVAILABILITY	ENGINE					E x h a u s t S/D	TRANSMISSION TRANSAXLE	AXLE RATIO (add. first)			
	Displ. Liters (in ³)	Carb. (Barrels, FI, etc.)	Comp. Ratio	SAE Net at RPM				Base Axle Ratio	Option		
				kW (bhp)	Torque N - m (lb. ft.)				Final Drive	Final Drive	
Base - All States	L4 2.5Liter (151 CID) LR8	EFI *	9.0:1	69 (92) @ 4000	182 (134) @ 2800	S	Man. 4-Spd., 3.53 Low (M19)-Base	3.65	3.65	--	--
				Auto. '125c' (MD9)-Opt.	2.84 @		2.39 @	2.84 %	2.84 %		
Opt. - All States	V6 2.8Liter (173 CID) LE2	2- Bb1	8.5:1	84 (112) @ 4800	197 (145) @ 2100	S	Auto. '125c' (MD9)-Base	2.84	2.84	--	--
				Auto. '440-14' (ME9)-Opt.	3.06		3.06	--	--		
Opt. - All States @@	V6 2.8Liter (173 CID) LH7 H.O.	2- Bb1	8.9:1	97 (130) @ 5400	197 (145) @ 2400	S	Auto. '125c' (MD9)-Base	3.33	3.33	--	--
Opt.-All States	V6 4.3Liter (262 CID) LT7	F.I. Die sel	22.8:1	63 (85) @ 3600	224 (165) @ 1600	S	Man.-4-Spd., 3.53 Low (M19)-Base	2.66	2.66	--	--
							Auto '125c' (MD9)-Opt	2.84	2.39	--	--
							Auto '440-14' (ME9)-Opt	2.84 @	2.84 @	--	--
								3.06 **	3.06 **	--	--
@@ - Interim availability - Sedans and Coupes approx. 11/83; Wagons approx. 3/84 * - Electronic Fuel Injection @ - Sedan and Coupe only % - Base on Wagon - Not available in California ** - Wagon only											

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Engine Description/Carb.
 Engine Code

2.5 Liter L-4 (151 CID) Electronic Fuel Inj. RPO LR8	2.8 Liter V-6 (173 CID) 2-Bbl Carburetor RPO LE2	4.3 Liter V-6 (262 CID) Fuel Injection Diesel RPO L7
--	--	--

ENGINE - GENERAL

Type & description (inline, V, angle, flat location, front, mid, rear, transverse, longitudinal, sonic, donc, ohv, hemi, wedge, pre-camber, etc.)	In-line Front Transverse, front of engine faces right side of vehicle	60° V-6	90° V-6
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	0.62 (.024)-Below	.46 (.018)-Above
Cylinder head material	Cast Alloy 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 total volume (cm ³)	88.845 (5.4217)	63.41734(3.86927)@	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	98		
Total dressed engine mass (wt/dry)**	25.8 (277)	142.9 (315)	231.8 (511.0)

Engine - Pistons

Material & mass, g (weight, oz.) piston	Cast Aluminum Alloy 591 (20.85)	467 (16.47)	796 (28.08)
---	------------------------------------	-------------	-------------

Engine - Camshaft

Location	Right side of block	In block above crank	Center
Material (kg, weight, lbs)	Cast Iron 3.546 (7.82)	Cast Iron 3.098 (6.83)	Forged Steel 3.748 (8.3)
Drive type	Chain/belt	Gear	Chain
	Width/pitch	--	19.4(.748)/9.53(.375)
			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

*Diesel fuel #1. (below 20°F)

@ - Piston at TDC, spark plug and valves in place, and cylinder head torqued to specifications.

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Car Line CELEBRITY
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Engine Description/Carb.
 Engine Code

2.8 Liter - V6 H.O.
 2-Bbl Carburetor
 RPO LH7

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, conc, conc, ohv, hemi, wedge, pre-camber, etc.)	60° V Transverse, front of engine faces right side of vehicle
No. of cylinders	6
Bore	89 (3.50)
Stroke	76 (2.99)
Bore spacing (c/l to c/l)	111.8 (4.40)
Cylinder block material	Cast Alloy Iron
Cylinder block deck height	224 (8.819)
Deck clearance (minimum) (above or below block)	0.12 (.005) Below
Cylinder head material	Cast Alloy Iron
Cylinder head volume (cm ³)	--
Head gasket thickness (compressed)	0.838 (0.033)
Minimum combustion chamber total volume (cm ³)	59.8481 (3.6515)@
Cyl no system (front to rear)*	L. Bank 2-4-6
	R. Bank 1-3-5
Firing order	1-2-3-4-5-6
Recommended fuel (leaded, unleaded, diesel)	Unleaded
Fuel antiknock index (R + M) 2	87
Total dressed engine mass (wt) dry**	

Engine - Pistons

Material & mass, g (weight, oz.) piston	Cast Aluminum Alloy, 467 (16.47), Flat Head
---	---

Engine - Camshaft

Location	In block above crankshaft
Material (kg, weight, lbs)	Cast iron, 3.098 (6.83)
Drive type	Chain/belt Chain
	Width/pitch 9.4 (.764)/9.53 (3.75)

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

** Dressed engine mass (weight) includes the following:

@ - Piston at TDC, spark plug and valves in place, and cylinder head torqued to specifications.

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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 Injection Dsl 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 .602 (1.327)	1140 Steel .880 (1.940)
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Engine - Crankshaft

Material	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) @ 1200	207-310 @ 1500 RPM (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

Glow plug, current drain at 0°F		18 amps
Injector nozzle	Type	Poppet
	Opening pressure [kPa (psi)]	6900 +/- 690 (100 +/- 100)
Pre-chamber design		Side Exit
Fuel injection pump	Manufacturer	Stanadyne/Cav
	Type	DB2
Supplementary vacuum source (type)		Mechanical pump
Fuel heater (yes/no)		Yes
Water separator, description (std., opt.)		Std.
Turbo manufacturer		Not Available
Oil cooler		Not Available
Oil filter		Not Available

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Engine Description/Carb. Engine Code 2.8 Liter - V6 H.O.
2-Bbl Carburetor
RPO LH7

Engine - Valve System

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

Engine - Connecting Rods

Material & mass (kg., weight, lbs.)	1038 Steel, .399 (0.880)
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Engine - Crankshaft

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

Engine - Lubrication System

Normal oil pressure (kPa (psii) at engine rpm)	345-450 (50-65) @ 1200
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full flow
Capacity of c/case, less filter-refill-L (qt)	3.8 (4.0)

Engine - Diesel Information

Glow plug, current drain at 0°F		
Injector nozzle	Type	
	Opening pressure (kPa (psii))	NOT
Pre-chamber design		APPLICABLE
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator, description (std., opt.)		
Turbo manufacturer		
Oil cooler		
Oil filter		

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Engine Description/Carb.
 Engine Code

2.5 Liter L4 (151 CID) Electronic Fuel Inj. RPO LR8	2.8 Liter V6 (173 CID) 2-Bbl. Carburetor RPO LE2
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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 (psi)]		103.4 (15.0)					
Circulation thermostat	Type (choke, bypass)	Choke					
	Starts to open at °C (°F)	90 (195°)					
Water pump	Type (centrifugal, other)	Centrifugal					
	GPM 1000 pump rpm	--	22.7 @ 3000 RPM				
	Number of pumps	One					
	Drive (V-belt, other)	V-belt					
Bearing (type)		Sealed double row ball			Ball-Roller		
By-pass recirculation [type (inter., ext.)]		Internal					
Radiator core [type (cross-flow vertical cellular tube and fin, other) and material]		Cross flow, Copper-brass, high efficiency radiator except LE2 with A.C. and Auto. 4-spd. is aluminum.					
Cooling system capacity	With heater—L(qt.)	9.24 (9.8)		11.82 (12.5)			
	With air cond.—L(qt.)	9.48 (10.0)		11.96 (12.6)			
	Opt. equipment [specify—L(qt.)]	9.30 (9.8) H.D.Radiator		12.16 (12.8)			
Water jackets full length of cyl. (yes, no)		Yes					
Water all around cylinder (yes, no)		Yes					
Radiator core	Std., A/C, HD	STD.	A/C	H.D.	STD.	A/C	H.D.
	Width	430.0	668.0	668.0	430.0	668.0	668.0
	Height	345.3	345.3	429.7	429.7	429.7	429.0
	Thickness	25.0	25.0	40.2	25.0	**	40.2
	Fins per inch @	4.0	4.5	4.0	3.5	3.5	4.0
Fan	Std., elec., opt.	Standard/Optional					
	Number of blades & type (flex, solid, material)	4-Plastic/ 7-Plastic					
	Diameter & projected width *	291.0 (11.5)/356.0 (14.0)					
	Ratio (fan to crankshaft rev.)	--					
	Fan cutout type	ECM Controlled					*
	Drive (type (direct, remote))	Electric, standard/optional (a)					
	RPM at idle (elec.)	1900 (2700 with A/C and heavy duty cooling)					
	Motor rating (wattage) (elec.)	97 (150 with A/C and heavy duty cooling)					
	Motor switch (type & location) (elec.)	Engine temperature switch, engine cylinder head					
	Switch point (temp., pressure) (elec.)	110°C					
Fan shroud (material)	None						

- (a) - with rotating reinforcement ring, shrouded
- @ - Distance between top of fins
- * - Fan is in continuous operation when A/C is on
- ** - 25.0 with auto 3-Speed trans.
23.5 with auto 4-speed trans.

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Engine Description/Carb.
 Engine Code

4.3 Liter V6 (262 CID)
 Fuel Inj. Diesel
 RPO LT7

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle)		Bottle
Radiator cap relief valve pressure (kPa (psii))		117.0 (17.0)
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	85 (185°)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	19.5 @ 2000
	Number of pumps	One
	Drive (V-belt, other)	Serpentine
Bearing (type)		Sealed double row ball
By-pass recirculation [type (inter., ext.)]		External
Radiator core [type (cross-flow vertical cellular tube and fin, other) and material]		Cross flow, Base radiator is copper-brass, high efficiency A.C. Radiator is aluminum, high efficiency
Cooling system capacity	With heater—L(qt.)	12.28 (13.0)
	With air cond.—L(qt.)	12.42 (13.1)
	Opt. equipment [specify—L(qt.)]	12.52 (13.2) Heavy duty radiator
Water jackets full length of cyl. (yes. no)		Yes
Water all around cylinder (yes. no)		Yes
Radiator core	Std. A/C, HD	Standard/A/C
	Width	Standard & A/C 668.0 (26.3)
	Height	Standard & A/C 429.7 (16.9)
	Thickness	Standard 25.0 (.98)/A/C 40.2 (1.58)
	Fins per inch (3)	Standard & A/C 3.0 (0.1)
Fan	Std. elec., opt.	Standard/Electric/Optional
	Number of blades & type (flex, solid, material)	Standard 5-Irregular/Electric & Optional 7-Irregular
	Diameter & projected width	ATI 422 (16.6)
	Ratio (fan to crankshaft rev.)	Standard-single speed 96W/Electric & Opt. 2-speed 150/400W
	Fan cutout type	Standard, coolant temperature/Electric & opt. (1)
	Drive [type (direct, remote)]	Std.-Electric, one with rotating reinforcement ring (2)
	RPM at idle (elec.)	1800 @ low speed, 2400 @ high speed
	Motor rating (wattage) (elec.)	150/400 watts - 2-speed
	Motor switch (type & location) (elec.)	2 A/C head pressure
	Switch point (temp., pressure) (elec.)	106°/116°C (223/241)
Fan shroud (material)		NONE

- (1) - Coolant temperature and A/C pressure.
- (2) - Electric & optional, electric, one with rotating reinforcement ring, shrouded.
- (3) - Distance between top of fins.

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Engine Description/Carb.
 Engine Code

2.8 Liter - V6 H.O.
 2-Bbl Carburetor
 RPO LH7

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)	Standard	
Coolant fill location (rad., bottle)	Bottle, Coolant Recovery	
Radiator cap relief valve pressure (kPa (psi))	103.4 (15.0)	
Circulation thermostat	Type (choke, bypass)	Choke
	Starts to open at °C (°F)	90 (195°)
Water pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump rpm	22.7 @ 3000 Pump RPM
	Number of pumps	One
	Drive (V-belt, other)	V-Belt
	Bearing (type)	Ball-Roller
By-pass recirculation [type (inter., ext.)]	Internal	
Radiator core [type (cross-flow vertical cellular tube and fin, other) and material]	Cross-flow, aluminum, high efficiency radiator	
Cooling system capacity	With heater - L(qt.)	Not Available
	With air cond. - L(qt.)	Same
	Opt. equipment [specify - L(qt.)]	None
Water jackets full length of cyl. (yes, no)	Yes	
Water all around cylinder (yes, no)	Yes	
Radiator core	Std., A/C, HD	Std.
	Width	667.5
	Height	437.8
	Thickness	23.5
	Fins per inch *	3.5
	Std., elec., opt.	Std., Electric
Fan	Number of blades & type (flex, solid, material)	7-Plastic
	Diameter & projected width	356.0 (14.0)
	Ratio (fan to crankshaft rev.)	--
	Fan cutout type	--@
	Drive [type (direct, remote)]	--
	RPM at idle (elec.)	2700
	Motor rating (wattage) (elec.)	150
	Motor switch (type & location) (elec.)	Engine temperature switch, engine cylinder head
	Switch point (temp., pressure) (elec.)	110°C
Fan shroud (material)	None	

* - Distance between top of fins

@ - Fan is in continuous operation when A/C is on.

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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	Mfg.	Rochester	Rochester	Not Available	
	Choke (type)	None	Electric	None	
	Idle spd -rpm (spec neutral or drive and propane if used)	Manual	None	None	
		Automatic	None	600 (Drive)	None
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 (psii))	--	--	6900 kPa +/-690 (1000 +/-100)	
Intake manifold heat control (exhaust or water) thermostatic or fixed		Water	Exhaust	None	
Air cleaner type	Standard	(*)		(+)	
	Optional	--			
Fuel pump	Type (elec or mech.)	Electrical	Mechanical	Electric	
	Location (eng. tank)	Fuel Tank	On engine LF	Top center of engine	
	Pressure range (kPa (psii))	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		
Filler pipe	Location & material	Driver side rear quarter	
	Connection to tank	Solid Solder	
Fuel line (material)	Steel		
Fuel hose (material)	Rubber		
Return line (material)	Steel		
Vapor line (material)	Steel		
Extended range tank	Opt n a	Not available	
	Capacity [L (gallons)]	Not available	
	Location & material	Not available	
	Attachment	Not available	
Auxiliary tank	Opt n a	Not available	
	Capacity [L (gallons)]	Not available	
	Location & material	Not available	
	Attachment	Not available	
	Selector switch or valve	Not available	
Separate fill	Not available		

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

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Engine Description/Carb.
 Engine Code

2.8 Liter - V6 H.O.
 2-Bbl Carburetor
 RPO LH7

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

Induction type: carburetor, fuel injection system, etc.		Carburetor	
Carburetor	Mfg.	Rochester	
	Choke (type)	Electric	
	Idle spd -rpm (spec neutral or drive and propane if used)	Manual	Not applicable
		Automatic	725 (Drive)
Idle A/F mix.		Preset - no adjustment provided	
Fuel injection	Point of injection (no.)	Not applicable	
	Constant, pulse, flow	Not applicable	
	Control (electronic, mech.)	Not applicable	
	System pressure (kPa (psi))	Not applicable	
Intake manifold heat control (exhaust or water) thermostatic or fixed		Exhaust	
Air cleaner type	Standard	Replaceable paper element, single snorkel	
	Optional	None	
Fuel pump	Type (elec. or mech.)	Mechanical	
	Location (eng., tank)	LF of engine	
	Pressure range (kPa (psi))	41-52 (6.0-7.5)	

Fuel Tank

Capacity (refill L (gallons))		62.1 (16.4) approx.
Location (describe)		Underside - rear center
Attachment		Underbody strap
Material		Steel #1008 or 1010 GM-124-M
Filler pipe	Location & material	Driver side rear 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 #1008 or 1010 GM-124-M
Extended range tank	Opt. n.a.	Not available
	Capacity (L (gallons))	Not available
	Location & material	Not available
	Attachment	Not available
Auxiliary tank	Opt. n.a.	Not available
	Capacity (L (gallons))	Not available
	Location & material	Not available
	Attachment	Not available
	Selector switch or valve	Not available
	Separate fill	Not available

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

Car Line CELEBRITY
 Model Year 1984 Issued 7-83 Revised (*) 9-83

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)		CCC control with Fuel Injection	CCC control with Air Injection		
	Air Injection	Pump or pulse	None	Vane type pump	None	
		Driven by	None	V-belt	None	
		Air distribution (head, manifold, etc.)	None	Exh. Manifold, Convrt.	None	
		Point of entry	None	Exh. Manifold&Conv	None	
	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		Oxid-Red, Sng bed	Oxid-Red, D bed	
		Number of		One		
		Location(s)		Mounted to Underbody		
		Volume [L (in ³)]		(160)	2.8 (170)	
		Substrate type		Pellets	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)		Inlet manifold		Intake crossover		
Air inlet (breather cap, other)		Carburetor air cleaner		Breather cap		
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister			
		Carburetor	--	Canister		
Electronic system	Vapor storage provision		Canister			
	Closed loop (yes/no)		Yes			
Open loop (yes/no)		No				

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		None
Exhaust pipe	Branch o.d. wall thickness	--	50.8x0.81(2.0x.032) 2)	44.5x1.09(1.75x.043)
	Main o.d. wall thickness	50.8x1.12(2.0x.044)	47.8x1.42(1.9x.056) 1)	50.8x1.09(2.0x.043)
	Material	Stainless steel	See below 1-2)	Aluminum Therm.
Inter-mediate pipe	o.d & wall thickness	50.8x1.12(2.0x.044)	50.8x1.09(2.0x.043)	50.8x.86(2.0x.034)
	Material	Alumn.coated steel		Stainless steel
Tail pipe	o.d & wall thickness	50.8x1.4(2.0x.055)	44.5x1.09(1.75x.043)	50.8x1.09(2.0x.043)
	Material	Alumn.coated steel		Aluminized steel

- 1) Laminated tubing - 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 1984 Issued 9-83 Revised (*) _____

Engine Description/Carb.
 Engine Code

2.8 Liter - V6 H.O.
 2-Bbl Carburetor
 RPO LH7

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		CCC control with air injection
	Air Injection	Pump or pulse	Vane
		Driven by	V-Belt
		Air distribution (head, manifold, etc.)	Exh. manif. conv.
		Point of entry	Exh. manif. ports
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	
		Exhaust source	R.H. Bank
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold
	Catalytic Converter	Type	Dual bed, Oxi. & Red.
		Number of	One
Location(s)		Mounted to underbody	
Volume [L (in ³)]		2.8 (170)	
	Substrate type	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)		Inlet Manifold
	Air inlet (breather cap, other)		Carburetor air cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	Canister
	Vapor storage provision		Canister
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single with crossover
Muffler no. & type (reverse flow, straight thru, separate resonator)		One-reverse flow
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	50.8 x 0.81 (2.0 x .032) (1)
	Main o.d., wall thickness	47.8 x 1.42 (1.9 x .056) (2)
	Material	See below (1)(2)
Inter-mediate pipe	o.d. & wall thickness	57.15 x 1.40 (2.25 x .055)
	Material	Aluminum coated steel
Tail pipe	o.d. & wall thickness	57.15 x 1.40 (2.25 x .055)
	Material	Aluminum coated steel

- (1) Stainless steel pipe with aluminum coated heat stove.
- (2) Laminated tubing - steel inner, stainless steel outer.

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

Car Line CELEBRITY
 Model Year 1984 Issued 7-83 Revised (*) 9-83

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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Transmissions/Transaxle

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

Manual Transmission/Transaxle

Number of forward speeds	4		
Transmission ratios	In first	3.53	
	In second	1.95	
	In third	1.24	
	In fourth	0.81	
	In fifth	--	
	In overdrive	--	
	In reverse	3.42	
Synchronous meshing (specify gears)	All forward gears		
Shift lever location	Floor		
Lubricant	Capacity (L (pt))	2.8L (6.0)	
	Type recommended	SAE 5W-30 Engine Oil SF/SF/CC or SF/CD	
	SAE viscosity number	Summer	SAE 5W-30
		Winter	SAE 5W-30
	Extreme cold	SAE 5W-30	

Clutch (Manual Transmission)

Make & type	Borg & Beck dry single plate	
Type pressure plate springs	Diaphragm	
Total spring load (N (lb))	(1245 lbs.)	
No of clutch driven discs	One	
Clutch facing	Material	Asbestos
	Manufacturer	Borg & Beck
	Part number	476600
	Rivets/plate	36
	Rivet size	3.6 x 5.4 (.143 x .213)
	Outside & inside dia	(9.125x6.125)
	Total eff. area (cm ² (in ²))	(35.94)
	Thickness	(.295-.315)
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 & Metal - to-Metal friction

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

Car Line CELEBRITY
 Model Year 1984 Issued 9-83 Revised (*) _____

Engine Description/Carb.
 Engine Code

2.8 Liter - V6 H.O.
 2-Bbl Carburetor
 RPO LH7

Transmissions/Transaxle

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

Manual Transmission/Transaxle

Number of forward speeds			
Transmission ratios	In first		
	In second	NOT	
	In third	APPLICABLE	
	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		
Type pressure plate springs		
Total spring load [N (lb)]		NOT
No of clutch driven discs		APPLICABLE
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 1984 Issued 7-83 Revised (*) 9-83

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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Automatic Transmission/Transaxle

Trade name	3-speed automatic	4-speed automatic	
Type and special features (describe)	With Torque converter clutch		
Selector	Location	Column or floor	
	Ltr. No designation	P-R-N-D-2-1	P-R-N-D-3-2-1
Gear ratios	R	2.07	2.38
	D	1.00	0.70
	2	--	1.00
	1	1.60	1.57
	Overdrive	2.84	2.92
Max upshift speed - drive range (km/h (mph))	Not Available	1-2=69(43), 2-3=124(77)	
Max kickdown speed - drive range (km/h (mph))	Not Available	3-2=111(69), 2-1=58(36)	
Min overdrive speed (km/h (mph))	Not Available	60 (37)	
Torque converter	Number of elements	3	
	Max ratio at stall	Not Available	1.95
	Type of cooling (air/liquid)	Liquid	
Lubricant	Nominal diameter	245 (9.65)	
	Capacity (refill L (pt))	4.6 (10.0)	3.0 (6.0)
Lubricant	Type recommended	Dexron II	
	Oil cooler (std., opt., NA, internal, external, air, liquid)	Standard, integral part of radiator	

Axle or Front Wheel Drive Unit

Type (front/rear)	Front		
Description	Front differential w/helical gears and tapered roller bearings		
Limited slip differential (type)	Not available		
Drive pinion offset	Not available		
Drive pinion (type)	Not available		
No. of differential pinions	2		
Pinion adjustment (shim/other)	None		
Pinion bearing ad. (shim/other)	Shim		
Driving wheel bearing (type)	Sealed ball bearings (integral part of bolt-in hub units)		
Lubricant	Capacity (L (pt))	Part of automatic trans. lub.	
	Type recommended	Transmission same as auto.	
	SAE viscosity number	Summer	Same
		Winter	Same
Extreme cold		Same	

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

Axle ratio (for overall top gear ratio)	2.84	2.66	2.84	3.65	3.06	
No. of teeth	Pinion or drive gear	38	--	35	--	35
	Ring gear or gear drive gear	32	--	35	--	35
Ring gear o.d. or drive gear o.d.	195.2					
Transaxle	Transfer gear ratio	1.0	0.81	1.0	0.81	0.7
	Final drive ratio	2.39	2.15	2.84	2.96	2.14

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

Car Line CELEBRITY
 Model Year 1984 Issued 9-83 Revised (*) _____

Engine Description/Carb.
 Engine Code

2.8 Liter - V6 H.O.
 2-Bbl Carburetor
 RPO LH7

Automatic Transmission/Transaxle

Trade name		3-speed automatic
Type and special features (describe)		3-speed with torque converter clutch
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))		Not Available
Max kickdown speed - drive range (km/h (mph))		Not Available
Min overdrive speed (km/h (mph))		Not Available
Torque converter	Number of elements	3
	Max ratio at stall	Not Available
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 (9.65)
Lubricant	Capacity (refill L (pt))	4.6 (10.0)
	Type recommended	Dextron II
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard, integral part or radiator

Axle or Front Wheel Drive Unit

Type (front, rear)		Front	
Description		Front differential w/helical gears and tapered roller bearing	
Limited slip differential (type)		Not Available	
Drive pinion offset		Not Available	
Drive pinion (type)		Not Available	
No of differential pinions		2	
Pinion adjustment (shim, other)		None	
Pinion bearing adj (shim, other)		Shim	
Driving wheel bearing (type)		Sealed ball bearings (integral part of bolt-in hub unit)	
Lubricant	Capacity (L (pt))	Part of automatic trans. lub.	
	Type recommended	Part of automatic trans. lub.	
	SAE viscosity number	Summer	Part of automatic trans. lub.
		Winter	Part of automatic trans. lub.
		Extreme cold	Part of automatic trans. lub.

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

Axle ratio (or overall top gear ratio)		3.33
No of teeth	Pinion (Drive Gear)	35
	Ring gear or gear (Drive Gear)	35
Ring gear o d (Pitch Dia.)*		195.2
Transaxle	Transfer gear ratio	1.0
	Final drive ratio	3.33

* - Driven gear

MVMA SPECIFICATIONS FORM
Passenger Car
METRIC (U.S. Customary)

Car Line CELEBRITY
 Model Year 1984 Issued 7-83 Revised (*) 9-83

Engine Description/Carb.
 Engine Code

2.5L L4 (151 CID) Elect. Fuel Inj. RPO 1R8	2.8L V6 (173 CID) 2-Bbl. Carburetor RPO 1E2	4.3L V6 (262 CID) Fuel Inj. Diesel RPO 1T7
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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	23.91 x 352.95 (1) @	
		Right	23.91 x 757.15 (1) @	
	Automatic transmission	Left	23.91x346.40(3-spd)(2)@	23.91x341.90(4-spd)(3)@
		Right	23.91x456.40(3-spd)(2)@	23.91x418.45(4-spd)(3)@
	Optional transmission	Left	None	
		Right	None	
Slip yoke	Type	None		
	Number of teeth	None		
	Spline o.d.	None		
Universal joints	Make and mtg no	Inner	Saginaw	
		Outer	Saginaw	
	Number used	Four 2 each shaft		
	Type, size, plunge	Inner	Triplot (4)	
		Outer	Rzeppa, fixed	
	Attach (u-bolt, clamp, etc.)	Splined		
Bearing	Type (plain, anti-friction)	Anti-friction		
	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		

@ - Shaft capacity = 2300 N.m

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

- (1) Heavy duty suspension = Left - 27.05 x 366.60%
Right - 27.05 x 771.60%
- (2) Heavy duty suspension = Left - 27.05 x 346.60%
Right - 27.05 x 462.60%
- (3) Heavy duty suspension = Left - 27.05 x 346.60%
Right - 27.05 x 428.60%
- (4) Plunge = Manual, Left - 17.73 Manual, Right - 22.00
Auto-3, Left - 21.88 Auto-3, Right - 24.58
Auto-4, Left - 21.38 Auto-4, Right - 20.08

% - Shaft capacity = 2700 N.m

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

Car Line CELEBRITY
 Model Year 1984 Issued 9-83 Revised (*) _____

Engine Description/Carb.
 Engine Code

2.8 Liter - V6 H.O.
 2-Bbl Carburetor
 RPO LH7

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	Not Applicable
		Right	Not Applicable
	Automatic transmission	Left	23.91 x 346.40@ (Heavy duty suspension - 27.05 x 346.60)%
		Right	23.91 x 456.40@ (Heavy duty suspension - 27.05 x 462.60)%
	Optional transmission	Left	None
		Right	None
Slip yoke	Type		None
	Number of teeth		None
	Spline o.d.		None
Universal joints	Make and mfg. no.	Inner	Saginaw
		Outer	Saginaw
	Number used		Four, two each shaft
	Type, size, plunge	Inner	Tripot - Left = 21.88, Right = 24.58
		Outer	Rzeppa, fixed
	Attach (u-bolt, clamp, etc.)		Splined
	Bearing	Type (plain, anti-friction)	Anti-friction
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.

@ - Shaft capacity = 2300 N.m
 % - Shaft capacity = 2700 N.m

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

Car Line CELEBRITY
 Model Year 1984 Issued 7-83 Revised (*) 9-83

Body Type And/Or
 Engine Displacement

ALL

Suspension - General

Car leveling	Std/opt./n.a.	Not available on 1AW19, 27; Rear shocks opt. on 1AW35.
	Type (air, hyd., etc.)	Air Inflatable
	Manual/auto controlled	Manual
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	Front: MacPherson strut; Rear: direct, double acting
	Make	Delco
	Piston diameter	Front: 32 (1.26); Rear: 25 (1.00)
	Rod diameter	13.49 (0.53)

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.)
Stabilizer	Type (link linkless, frameless)	Link
	Material & bar diameter	Steel; base 22 (.87), F41 28 (1.10), Diesel 24 (.94)

Suspension - Rear

Type and description		Trailing arm with stamped control arms and open section transverse beam
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
Stabilizer	Type (link, linkless, frameless)	Linkless, function performed by axle beam
	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 1984 Issued 7-83 Revised (*) 9-83

Body Type And/Or
 Engine Displacement

Sedan/Coupe Base 13" Wheels	Sedan/Coupe Diesel 14" Wheels	Station Wagon Base or Diesel 14" Wheels
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Brakes - Service

Description		Single caliper disc front, duo-servo drum rear			
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.)	Optional on sedan and coupe	Standard		
Booster type (remote, integral, vac., hyd., etc.)		Tandem vacuum			
Vacuum source (intake, pump, etc.)		Inline (intake manifold)			
Vacuum reservoir (volume in.3)		None			
Vacuum pump-type (elec., gear driven, belt driven, if other so state)		None			
Anti-skid device type (std., opt., n.a.) (F/R)		Not available			
Effective area [cm ² (in. ²)]*		558 (86.5)			
Gross lining area [cm ² (in. ²)]** (F/R)		553 (85.7)			
Swept area [cm ² (in. ²)]*** (F/R)		1746 (270.6)	1839 (285.0)		
Rotor	Outer working diameter	F/R	247x22mm(9.72x0.86in) 260x26mm(10.2x1.02in)		
	Inner working diameter	F/R	147mm (5.67 in)		
	Thickness	F/R	22mm (0.866 in)		
	Material & type (vented/solid)	F/R	Cast iron, vented		
Drum	Diameter (nominal)	F/R	225x45mm (8.85x1.77 in)		
	Type and material	F/R	Composit Cast Iron Composite cast iron finned		
Wheel cylinder bore		F/R	57mm(2.24in)/17.5mm(0.689in) 64mm(2.5in)/19mm(0.74in)(*)		
Master cylinder	Bore/stroke	F/R	22.2x31.8(0.87x1.25)/35.75(1.41) 24.0x31.8(0.94x1.25)/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		F/R	Self adjusting front-0, Rear-0.381mm (0.01 in)		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Riveted	
		Rivet size		5.33x9.63 (0.210 x 0.379)	
		Manufacturer		Delco Moraine	
		Lining code		DM8032 riv. DM8032/32-160G/33°	
		Material		Semi-metallic	
		****	Primary or out-board	125x46x10mm (4.92x1.81x0.39 in)	
		Size	Secondary or in-board	125x46x11mm (4.92x1.81x0.43 in)	
	Shoe thickness (no lining)		Inboard 5, Outboard 3		
	Rear wheel	Bonded or riveted (rivets/seg.)		Riveted	
		Manufacturer		Inland	
		Lining code		In 4050/4050	
		Material		Organic 4050	
		****	Primary or out-board	176x44x6mm (6.93x1.73x0.24 in)	
		Size	Secondary or in-board	208x44x7.6mm (8.19x1.73x0.30 in)	
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.

(*) Wheel cylinder bore, station wagon-front 64mm (2.51 in), rear 20.6mm (0.81 in).

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

Car Line CELEBRITY
 Model Year 1984 Issued 7-83 Revised (*) 9-83

Body Type And/Or
 Engine Displacement

Sed & Cpe (Except 6- Pass Zed., Except Diesel)	Wag & 6-Pass Sed. (Except Diesel)	Sed, Cpe & Wag with Diesel	Eurosport (RPO ZV8)
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Tires And Wheels (Standard)

Tires	Size (load range, ply)	P185/80R13, BW*	P185/75R14, BW*	P195, 75R14, BW*	P195/75R14, BW*	
	Type (bias, radial, etc.)	Stl Btd Radial	Stl Btd Radial	Stl Btd Radial	Stl Btd Radial	
	Inflation pressure (cold) for recommended max vehicle load	Front (kPa (psii))	240 (35)	240 (35)	240 (35)	240 (35)
		Rear (kPa (psii))	240 (35)	240 (35)	240 (35)	240 (35)
	Rev./mile—at 70 km/h (45 mph)	526	519	508	508	
Wheels	Type & material	Steel	Steel	Steel	Steel	
	Rim (size & flange type)	13 x 5.5	14 x 5.5	14 x 5.5	14 x 5.5	
	Wheel offset	42.0	42.0	42.0	42.0	
	Attachment	Type (bolt or stud)	Stud	Stud	Stud	Stud
		Circle diameter	100.0	115.0	115.0	100.0
Number & size		5, M12 x 1.5	5, M12 x 1.5	5, M12 x 1.5	5, M12 x 1.5	
Spare	Tire and wheel (same, if other describe)	T125/70D14	T125/70D14	T125/70D14	T125/70D14	
	Storage position & location (describe)	Horizontal, under load floor				

Tires And Wheels (Optional)

Size (load range, ply)	P185/80R13, WS*	P185/75R14, WS*	P195/75R14, WS*	P195/70R14, BW*
Type (bias, radial, etc.)	Stl Btd Radial	Stl Btd Radial	Stl Btd Radial	Stl Btd Radial
Wheel (type & material)	Steel			Aluminum
Rim (size, flange type and offset)	13x5.5, 42.0	14x5.5, 42.0	14x5.5, 42.0	14x6.5, 34.0
Size (load range, ply)	P205/70R13, WW			
Type (bias, radial, etc.)	Steel Belted Radial			
Wheel (type & material)	Steel			
Rim (size, flange type and offset)	13x5.5, 42.0			
Size (load range, ply)	P195/75R14, BW			
Type (bias, radial, etc.)	Steel Belted Radial			
Wheel (type & material)	Steel			
Rim (size, flange type and offset)	14x5.5, 42.0			
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)				

* - Tires are "All Seasons" mud and snow, 4th generation, GM TPC.

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)	--

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

Car Line CELEBRITY
 Model Year 1984 Issued 7-23 Revised (*) 9-83

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.)	Not available	
		Curb to curb (l & r.)	Not available	
Scrub Radius		Not available		
Manual	Gear	Type	Not available	
		Make	Not available	
		Ratios	Gear	Not available
			Overall	Not available
	No. wheel turns (stop to stop)		Not available	
Power	Type (coaxial, linkage, etc.)		Rack and pinion, integral pump	
	Make		Saginaw Steering Gear	
	Gear	Type	Rack and pinion with Integral Power Unit	
		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 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)		Not applicable	
	Bearing (type)		Integral double row ball, permanently lubricated	

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

Car Line CELEBRITY
 Model Year 1984 Issued 7-23 Revised (*) 9-83

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.)	Not Available
		Toe-in (outside track-mm (in.))	Not Available
	Service reset*	Camber	Not Available
		Toe-in	Not Available
	Periodic M.V. inspection	Camber	Not Available
		Toe-in	Not Available

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

Electrical - Instruments and Equipment

Speed-ometer	Type	In-line with pointer, 6 wheel odometer
	Trip odometer (std., opt., n.a.)	Optional
EGR maintenance indicator		Not Available
Charge indicator	Type	Tell-tale warning light
	Warning device	Tell-tale warning light
Temperature indicator	Type	Tell-tale warning light
	Warning device	Tell-tale warning light
Oil pressure indicator	Type	Tell-tale warning light
	Warning device	Tell-tale warning light
Fuel indicator	Type	Electric gage with pointer
	Warning device	Electric gage with pointer
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, tailgate window wiper/washer.

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

Car Line CELEBRITY
 Model Year 1984 Issued 7-83 Revised (*) 9-83

Engine Description/Carb.
 Engine Code

2.5L L4 (151 CID) Elect. 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

70-60 R XZ - 70/50

Battery	Make	Delco Remy		
	Model, std., (opt.)	70-405Std, 75-5000pt	70-315Std, 75-5000pt	78-770Std, 76-11000pt
	Voltage	12 Volt		
	Amps at 0°F cold crank	405 Std, 500 Opt.	315 Std, 500 Opt.	770 Std, 1100 Opt.
	Minutes-reserve capacity	75 Std, 90 Opt.	75 Std, 90 Opt.	115 Std, 150 Opt.
	Amp/hrs. - 20 hr. rate	--		
Location	Engine compartment			
Generator or alternator	Type and rating	(a,b,c)	(a,b,c)	(d,e)
	Ratio (alt. crank/rev.)	Not Available	2.63:1	3.30:1
	Optional (type & rating)	None		
Regulator	Type	Integral with alternator		

Electrical - Starting System

Start, motor	Current drain at 0°F	270*	235*	785 amps*
Motor drive	Engagement type	Overrunning clutch	Pinion	Positive
	Pinion engages from (front, rear)	Front	Rear	Front

Electrical - Ignition System

Type	Conventional (std. opt. n.a.)	Not available		
	Electronic (std. opt. n.a.)	Not available		
	Other (specify)	High Energy Ignition System (HEI)		
Coil	Make	Delco-Remy		
	Model	Not Available	1115463	
	Current	Engine stopped - A	0	
		Engine idling - A	5.5 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	1103569		

Electrical - Suppression

Internal alt. capacitor, non-metallic high-tension ignition 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.

- (a) - 42 amp with heater, 10 SI (22 amp @ idle).
- (b) - 66 amp with heater and heated backlite, 10 SI (23 amp @ idle).
- (c) - 78 amp with A/C, 15 SI (40 amp @ idle).
- (d) - 66 amp with heater and heated backlite.
- (e) - 94 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 1984 Issued 9-83 Revised (*) _____

Engine Description/Carb.
 Engine Code

2.8 Liter - V6 H.O.
 2-Bbl Carburetor
 RPO LH7

Electrical - Supply System

Battery	Make	Delco Remy
	Model, std., (opt.)	70-405 (Std.), 75-500 (Opt.)
	Voltage	12 Volts
	Amps at 0°F cold crank	405 (Std.), 500 (Opt.)
	Minutes-reserve capacity	75 (Std.), 90 (Opt.)
	Amp/hrs. - 20 hr. rate	--
	Location	Engine Compartment
Generator or alternator	Type and rating	Not Available
	Ratio (alt. crank/rev.)	Not Available
	Optional (type & rating)	Not Available
Regulator	Type	Integral with alternator

Electrical - Starting System

Start, motor	Current drain at 0°F	250 @ -20°F
	Engagement type	Positive shift solenoid
Motor drive	Pinion engages from (front, rear)	Rear

Electrical - Ignition System

Type	Conventional (std., opt., n.a.)	Not Applicable	
	Electronic (std., opt., n.a.)	Not Applicable	
	Other (specify)	High Energy Ignition System (HEI)	
Coil	Make	Delco-Remy	
	Model	1115463	
	Current	Engine stopped - A	0
		Engine idling - A	5.5 Max.
Spark plug	Make	AC	
	Model	R42CTS	
	Thread (mm)	M14 x 1.25	
	Tightening torque [N-m (lb., ft.)]	9-20 (7-15)	
	Gap	1.143 (.045)	
Distributor	Make	Delco-Remy	
	Model	1103569	

Electrical - Suppression

Internal alt. capacitor, non-metallic high-tension ignition 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.

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

Car Line CELEBRITY
 Model Year 1984 Issued 7-83 Revised (*) 9-83

Body Type

2-Door Notchback Coupe 1AW27	4-Door Notchback Sedan 1AW19	4-Door Station Wagon 1AW35
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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
Hatch back lid	Type (counterbalance, other)	Not Applicable
	Internal release control (elec., mech., n.a.)	Not Applicable
Bumper front	Bar material & mass (wt.)	Steel 10.700 (23.6)
	Reinforcement material & mass (wt.)	Molded polyurethane padding
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	Molded polyurethane padding
Seat back type	Front	Molded polyurethane padding
	Rear	Molded polyurethane padding
	3rd seat	Molded polyurethane padding
Vehicle ident. no location		Top left hand instrument panel pad

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized FRAME. Bolt-on power train cradle (2-piece design) with mounting provisions for suspension lower control arms and engine mounts
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Glass

Backlight slope angle (deg.)	H121	35.0°	34.5°	47.0°
Windshield slope angle (deg.)	H122	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)	16162 (2505.1)
Backlight glass exposed surface area (cm ² (in ²))	S3	4217 (653.6)		5837 (904.7)
Total glass exposed surface area (cm ² (in ²))	S4	24154 (3743.9)	23993 (3718.9)	30524 (4731.2)
Windshield glass (type)		Curved - Laminated Plate		
Side glass (type)		Curved - Tempered Plate		
Backlight glass (type)		Curved - Tempered Plate		

**MVMA Specifications Form
Passenger Car**

Car Line CELEBRITY
 Model Year 1984 Issued 7-23 Revised (*) 9-83

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	ALL
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Restraint System

Active restraint system	Standard/optional	Standard
	Type and description	3 point shoulder and lap belt for driver and front passenger. Lap belt for all other positions, secured by buckle with push button release
	Location	Front-(3); Rear-(3); Station wagon 3rd seat - (2)
Passive seat belts	Standard/optional	Not available
	Power/manual	Not available
	2 or 3 point	Not available
	Knee bar/lap belt	Not available

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

Car Line CELEBRITY
 Model Year 1984 Issued 7-23 Revised (*) 9-83

Body Type	2-Door Notchback Coupe	4-Door Notchback Sedan	4-Door Station Wagon
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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 with graphic equalizer and Minimum Feature type)	
Premium sound system (specify)	Extended Range Rear Speaker System, Optional, available with most stereo radio equipment	
Rear seat speaker	Dual rear speakers, optional	
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 and acceleration feature	
Ignition lock lamp	Not Available	
Dome lamp	Standard	
Glove compartment lamp	Optional	
Luggage compartment lamp	Optional	
Underhood lamp	Optional	
Courtesy lamp	Optional	
Map lamp	Optional	
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 1984 Issued 7-23 Revised (*) 9-83

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 1AW27	4-Door Notchback Sedan 1AW19	4-Door Station Wagon 1AW35
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Width

Tread (front)	W101	1492 (58.7)		
Tread (rear)	W102	1447 (57.0)		
Vehicle width	W103	1760 (69.3)		
Body width at Sq 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)		4847 (190.8)
Overhang (front)	L104	1034 (40.7)		
Overhang (rear)	L105	1085 (42.7)		1149 (45.2)
Upper structure length	L123	2400 (94.5)		3267 (128.6)
Rear wheel C/L "X" coordinate	L127	2459 (96.8)		
Cowl point "X" coordinate	L125	206 (8.1)	207 (8.2)	

Height **

Passenger distribution (fr./rear)	PD1,2,3			**
Trunk/cargo load				**
Vehicle height	H101	1378 (54.3)	1370 (53.9)	1378 (54.3)
Cowl point to ground	H114	934 (36.8)	932 (36.7)	934 (36.8)
Deck point to ground	H138			
Rocker panel-front to ground	H112	218 (8.6)	215 (8.5)	219 (8.6)
Bottom of door closed-front to grd	H133	293 (11.6)	286 (11.3)	293 (11.6)
Rocker panel-rear to ground	H111	225 (8.9)	215 (8.5)	226 (8.9)
Bottom of door closed-rear to grd	H135	--	286 (11.3)	293 (11.6)

Ground Clearance **

Front bumper to ground	H102	356 (14.0)	357 (14.1)	356 (14.0)
Rear bumper to ground	H104	353 (13.9)	337 (13.3)	353 (13.9)
Bumper to ground (front at curb mass (wt))	H103	370 (14.6)	377 (14.9)	371 (14.6)
Bumper to ground (rear at curb mass (wt))	H105	371 (14.6)	363 (14.3)	368 (14.5)
Angle of approach	H106	14.0°		
Angle of departure	H107	18.4°	17.5°	18.8°
Ramp breakover angle	H147	15.3°	14.7°	15.3°
Rear axle differential to ground	H153	158 (6.2)		
Min running ground clearance	H156	141 (5.5)	139 (5.5)	141 (5.5)
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 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
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

Car Line CELEBRITY
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Body Type	SAE Ref. No.	2-Door Notchback Coupe 1AW27	4-Door Notchback Sedan 1AW19	4-Door Station Wagon 1AW35
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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)		786 (30.9)
Effective head room	H63	963 (37.9)	965 (38.0)	987 (38.8)
Min. effective leg room	L51	916 (36.1)	925 (36.4)	903 (35.5)
Sg RP (second to heel)	H31	260 (10.2)	261 (10.3)	
Knee clearance	L48	34 (1.3)	44 (1.7)	25 (1.0)
Compartment room	L3	687 (27.0)	709 (27.9)	710 (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	820 (32.3)	805 (31.7)	820 (32.3)

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

Car Line CELEBRITY
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METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	4-Door Station Wagon 1AW35
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Station Wagon - Third Seat Optional-RPO AQ4

Shoulder room	W85	1116 (43.9)
Hip room	W86	1090 (42.9)
Effective leg room	L86	736 (29.0)
Effective head room	H86	922 (36.3)
Effective T-point head room	H89	922 (36.3)
Seat facing direction	SD1	Rearward

Station Wagon - Cargo Space

Cargo length (open front)	L200	Not applicable
Cargo length (open second)	L201	Not applicable
Cargo length (closed front)	L202	1926 (75.8)
Cargo length (closed second)	L203	1152 (45.3)
Cargo length at belt (front)	L204	1856 (73.1)
Cargo length at belt (second)	L205	1029 (40.5)
Cargo width (wheelhouse)	W201	1130 (44.5)
Rear opening width at floor	W203	1550 (61.0)
Opening width at belt	W204	1568 (61.7)
Max. rear opening width above belt	W205	1082 (42.6)
Cargo height	H201	803 (31.6)
Rear opening height	H202	729 (28.7)
Tailgate to ground height	H250	820 (32.3)
Front seat back to load floor height	H197	404 (15.9)
Cargo volume index [m ³ (ft ³)]	V2	2127 (75.1)*
Hidden cargo volume [m ³ (ft ³)]	V4	--

Hatchback - Cargo Space

Front seat back to load floor height	H197	--
Cargo length at front seat back height	L208	Not applicable
Cargo length at floor (front)	L209	--
Cargo volume index [m ³ (ft ³)]	V3	--
Hidden cargo volume [m ³ (ft ³)]	V4	--

Aerodynamics*

Wheel lip to ground, front	Not available
Wheel lip to ground, rear	Not available
Frontal area	Not available

* Describe measurement method.

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).

* V10 - Station wagon cargo volume index - second seat-up
 1AW35 - 1179 L (41.6 cu.ft.)

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
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METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	2-Door Notchback Coupe 1AW27	4-Door Notchback Sedan 1AW19	4-Door Station Wagon 1AW35

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	303 (11.9)	304 (12.0)	302 (11.9)
	** H163	287 (11.3)	282 (11.1)	287 (11.3)
Rear	W22	489 (19.3)	510 (20.1)	
	L55	4980 (196.1)	5215 (205.3)	
	H82	387 (15.2)	186 (7.3)	
	H162	442 (17.4)	436 (17.2)	239 (9.4)
	** H164	425 (16.7)	411 (15.2)	225 (8.9)

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

** EPA Loaded Vehicle Weight, Loading Conditions

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Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CELEBRITY
 Model Year 1984 Issued 7-23 Revised (*) 9-83

Body Type

SAE Ref. No.	2-Door Notchback Coupe 1AW27	4-Door Notchback Sedan 1AW19	4-Door Station Wagon 1AW35
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Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	662 (26.1)	669 (26.4)	664 (26.1)
		Lowest	662 (26.1)	669 (26.4)	664 (26.1)
	Taillamp (H128)	Highest**	647 (25.5)	639 (25.1)	643 (25.3)
		Lowest	--	--	--
	Sidemarker	Front	417 (16.4)	423 (16.7)	418 (16.5)
		Rear	705 (27.8)	697 (27.4)	702 (27.6)
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 (18.2)		
		Rear	479.0 (18.9)		
Headlamp shape		Rectangular			

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

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 Model Year 1984 Issued 7-83 Revised (*)

Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg (weight, lb.)			Remarks
	Front	Rear	Total	
Swing-up tailgate	0	1.0	1.0	1AW35 only
Window RPO-AB7	(0)	(2.2)	(2.2)	
Power Seat 6-Way (Requires RPO-AG1 or A42)	2.8 (6.2)	2.8 (6.2)	5.6 (12.4)	All models
RPO-AG9				
Rear-Facing Third Seat	-1.2	13.4	12.2	1AW35 only
RPO-AQ4	(-2.7)	(29.5)	(26.8)	
Bucket Seat RPO-AR9	1.4	1.4	2.8	Models 1AW19 & 27
	(3.1)	(3.1)	(6.2)	
Seat Front 45/45 (Includes Folding Armrest Armrest deleted with D55 floor console) RPO-AS7	1.6 (3.5)	1.6 (3.5)	3.2 (7.0)	2-door model
	2.2	2.2	4.4	4-door models
	(4.8)	(4.8)	(9.6)	
Power Door Lock System RPO-AU3	.6 (1.3)	1.2 (2.6)	1.8 (4.0)	2-door model
	.8	2.2	3.0	4-door models
	(1.8)	(4.8)	(6.6)	
Electric Tailgate Release RPO-AU6	-.2 (-0.4)	1.0 (2.2)	.8 (1.8)	1AW35 only
Swing-out Rear Quarter CV Window RPO-A20	.2 (0.4)	.6 (1.3)	.8 (1.8)	1AW35 only
Power Windows RPO-A31	.8 (1.8)	1.8 (4.0)	2.6 (5.8)	2-door model
	2.0	3.4	5.4	4-door model
	(4.4)	(7.5)	(11.9)	
Reclining Driver & Passenger, seat back (Feature included with AR9 bucket seat option) RPO-A78	1.0 (2.2)	1.0 (2.2)	2.0 (4.4)	All models
Color-Keyed Floor Mats Front RPO-B32	1.4 (3.1)	1.0 (2.2)	2.4 (5.3)	All models

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

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Car Line CELEBRITY
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Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS. kg (weight, lb.)			
	Front	Rear	Total	
Color-Keyed Floor Mats Rear RPO-B33	.4 (0.9)	.6 (1.3)	1.0 (2.2)	All models
Intermittent Windshield Wiper System RPO-CD4	.2 (0.4)	0	.2 (0.4)	All models
Tailgate window wiper/washer RPO-C25	- .6 (-1.3)	3.0 (6.6)	2.4 (5.3)	1AW35 only
Electric Rear Window Defogger RPO-C49	.2 (0.4)	.4 (0.9)	.6 (1.3)	All models
Rear Window Air Deflector RPO-C51	- .2 (-0.4)	1.2 (2.6)	1.0 (2.2)	1AW35 only
Air Conditioning RPO-C60	20.2 (44.5)	.8 (1.8)	21.0 (46.3)	1AW19 & 35 with RPO LE2, MD9, ME9 & M19
	22.0 (48.5)	1.0 (2.2)	23.0 (50.7)	1AW27 & RPO-LE2
	26.0 (57.3)	1.2 (2.6)	27.2 (59.9)	1AW00 & RPO-LR8
	28.0 (61.7)	1.4 (3.1)	29.4 (64.8)	1AW00 & RPO-LT7
Remote Control Outside Rear View Mirror, L.H. (Black finish) RPO-D33	.2 (0.4)	0	.2 (0.4)	All models
Sport Mirrors-L.H. Remote & R.H. Manual.(Black finish) RPO-D35	.8 (1.8)	.4 (0.9)	1.2 (2.7)	All models
Console - used with 45/45 seats or bucket seats RPO-D55	3.4 (7.5)	3.2 (7.1)	6.6 (14.6)	All models
Twin Remote Control Sport Mirrors RPO-D68	.8 (1.8)	.6 (1.3)	1.4 (3.1)	All models

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

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Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Custom Two-Tone Paint (Includes wheel opening and rocker panel moldings) RPO-D84	.4 (0.9)	.4 (0.9)	.8 (1.8)	All models
Sport Suspension (Includes larger diameter front & rear stabilizer bars, specific shock absorber valving) RPO-F41	2.4 (5.3)	.4 (0.9)	2.8 (6.2)	Available 1AW19 & 27, not available with Diesel engine, forced with Eurosport Celebrity Package (alum. wheels and 14" tires used)
Inflatable Rear Shock absorbers RPO-G66	0 (0)	1.0 (2.2)	1.0 (2.2)	1AW35 only
Power Brakes RPO-J50	3.4 (7.5)	.6 (1.3)	4.0 (8.8)	1AW19 & 27, Base equipment with station wagon 1AW35
Electronic-Speed Control with Resume Speed RPO-K34	1.6 (3.5)	.0 (0)	1.6 (3.5)	With RPO-LE2 & LT7 engines
	1.2 (2.7)	.0 (0)	1.2 (2.7)	With RPO-LR8 engine
Engine 2.8 Liter 2-Bbl. (173 C.I.D.) V6 RPO-LE2	34.6 (76.3)	-2.2 (-4.8)	32.4 (71.5)	All models with 3-speed auto transmission
	32.0 (70.5)	- .2 (-0.4)	31.8 (70.1)	All models with 4-speed auto transmission
Engine 2.8 Liter 2-Bbl. (173 C.I.D.) V6 High Output RPO-LH7	32.8 (72.3)	2.8 (6.2)	35.6 (78.5)	With 1AW19 & 1AW27
Engine 4.3 Liter Diesel (262 C.I.D.) V6; 90° F.I. Not available with RPO-ZV8	139.2 (306.9)	-19.2 (-42.3)	120.0 (264.6)	With 1AW19 & 1AW35 models
Eurosport Package RPO-LT7	136.2 (300.3)	-18.8 (-41.4)	117.4 (258.9)	With 1AW27 model
Automatic Transmission 3-speed (THM-125c) RPO-MD9	22.4 (49.4)	.6 (1.3)	23.0 (50.7)	All models, used with gasoline engines
Automatic Transmission 4-speed (440-T4) RPO-ME9	32.0 (70.5)	.0 (0)	32.0 (70.5)	All models, all engines

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

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Optional Equipment Differential Mass (weight)*

Equipment	MASS. kg (weight, lb.)			Remarks
	Front	Rear	Total	
Wheel Cover Locking Package RPO-N18	.4 (0.9)	.4 (0.9)	.8 (1.8)	All models, used with RPO-N95 wire wheel covers
Comfortilt Steering Wheel RPO-N33	.6 (1.3)	.4 (0.9)	1.0 (2.2)	All models
Wire Wheel Covers (Not available with RPO ZV8 Eurosport package.) RPO-N95	3.0 (6.6)	3.0 (6.6)	6.0 (13.2)	1AW19-27, 13" with gasoline engines, 14" with 1AW35 and 19-27 with Diesel Engine
Sport Wheel Covers (13" and 14" diameter) RPO-PB2	.8 (1.8)	.6 (1.3)	1.4 (3.1)	All models, not available with RPO-ZV8 Eurosport package
Auxiliary Lighting Package RPO-TR9	.2 (0.4)	0 (0)	.2 (0.4)	All models
Heavy Duty Battery RPO-UA1	3.4 (7.5)	-.8 (-1.8)	2.6 (5.7)	With RPO-LR8 & LE2 engines
	7.2 (15.9)	-1.4 (-3.1)	5.8 (12.8)	With RPO-LT7 engine
Gauge Package RPO-UF7	.2 (0.4)	0 (0)	.2 (0.4)	All models, except not available with Diesel engine.
AM/FM Stereo Radio and clock ETR type minimum feature, requires RPO-VE8 clock* RPO-UL1	.4 (0.9)	0 (0)	.4 (0.9)	All models, includes 4-speaker system.
Dual Note Horns RPO-U05	.4 (0.9)	0 (0)	.4 (0.9)	All models
AM/FM Stereo Radio/Stereo Cassette Tape Player and clock with graphic equalizer, ETR/ERS full feature RPO-UU6	.8 (1.8)	.2 (0.4)	1.0 (2.2)	All models, includes 4-speaker system
AM/FM Stereo Radio, cassette stereo tape player and clock ETR. RPO-UU7	.8 (1.8)	.2 (0.4)	1.0 (2.2)	All models, includes 4-speaker system

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

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Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg (weight, lb)			Remarks
	Front	Rear	Total	
AM/FM Stereo Radio - ETR Type, minimum feature. RPO-UU9	.2 (0.4)	0 (0)	.2 (0.4)	All models, includes 4-speaker system
Premium Radio Speaker system RPO-U66	0 (0)	.6 (1.3)	.6 (1.3)	All models, available with stereo radio equipment only.
AM/FM Pushbutton Radio RPO-U69	.2 (0.4)	0 (0)	.2 (0.4)	All models
Dual Rear Speakers RPO-U81	.0 (0)	1.4 (3.1)	1.4 (3.1)	All models
Cooling- Heavy Duty RPO-V08	4.4 (9.7)	- .8 (-1.8)	3.6 (7.9)	All models, with RPO-LR8 engine and without RPO-C60
	4.0 (8.8)	- .6 (-1.3)	3.4 (7.5)	With RPO-LR8 and RPO-C60
	4.6 (10.1)	- .8 (-1.8)	3.8 (8.3)	With RPO-LE2 and without RPO-C60
	2.0 (4.4)	- .2 (-0.4)	1.8 (4.0)	With RPO-LE2 and RPO-C60
	4.4 (9.7)	- .8 (-1.8)	3.6 (7.9)	With RPO-LT7 and without RPO-C60
	2.4 (5.3)	- .4 (-0.9)	2.0 (4.4)	With RPO-LT7 and RPO-C60
Bumper Guards - Front and Rear RPO-V30	.6 (1.3)	.4 (0.9)	1.0 (2.2)	All models
Roof Luggage Carrier RPO-V55	2.0 (4.4)	3.4 (7.5)	5.4 (11.9)	1AW35 only
Rally Wheels-13" & 14" RPO-ZJ7	1.2 (2.6)	1.2 (2.6)	2.4 (5.2)	All models
Eurosport Celebrity Package RPO-7V8	3.6 (7.9)	3.6 (7.9)	7.2 (15.8)	1AW19 & 27 models only, not available with Diesel engine whitewall tires, RPO-AB3, PB2, N95, D85 or RPO A57.
	2.4 (5.3)	2.4 (5.3)	4.8 (10.6)	1AW35

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

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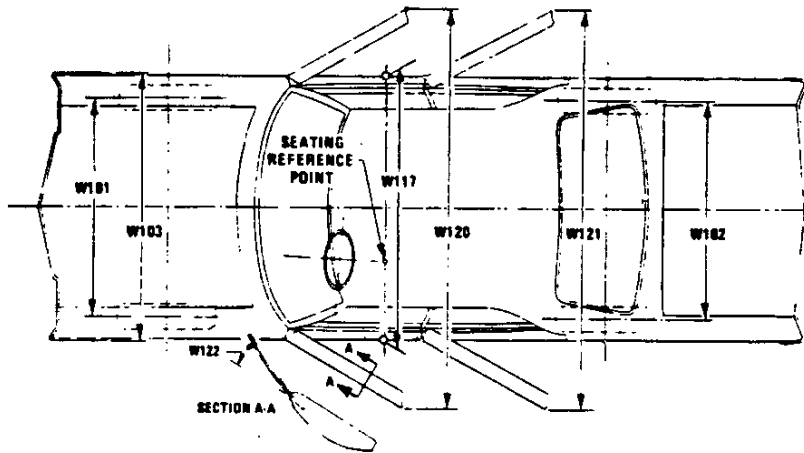
Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS. kg (weight, lb.)			
	Front	Rear	Total	
Exterior Molding Package	.6	1.0	1.6	All models, black - finished
Bright. (Consists of RPO-B51 and B96)RPO-Z17	(1.3)	(2.2)	(3.5)	version for Eurosport option RPO ZV3

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

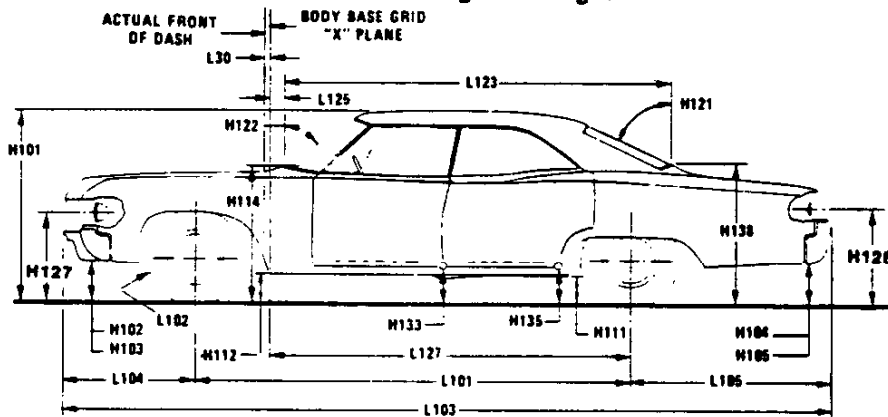
MVMA Specifications Form
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Exterior Car And Body Dimensions – Key Sheet

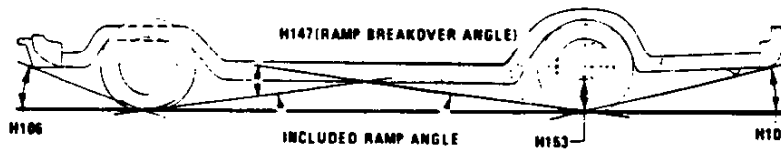
Exterior Width



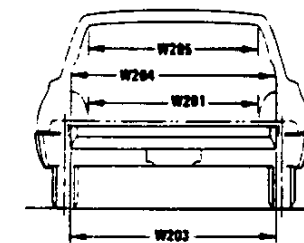
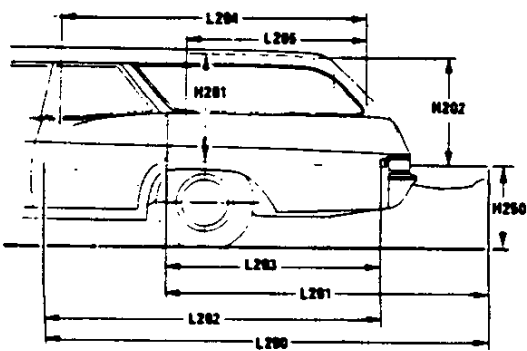
Exterior Length & Height



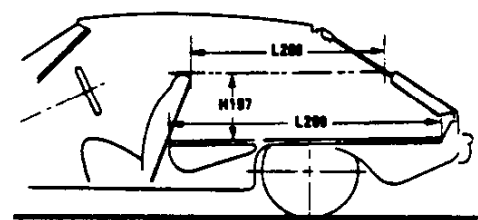
Exterior Ground Clearance



Cargo Space



Station Wagon

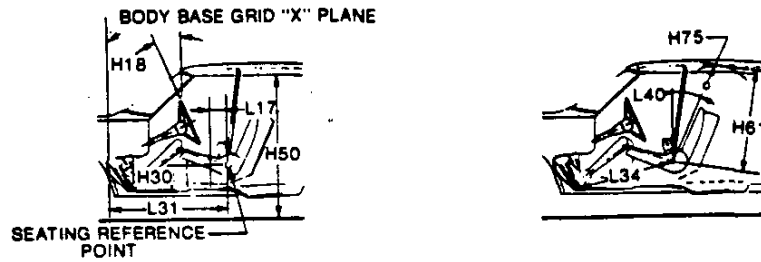


Hatchback

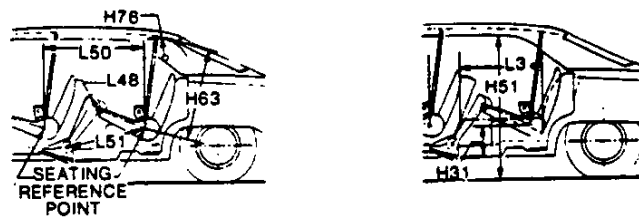
MVMA Specifications Form
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Interior Car And Body Dimensions — Key Sheet

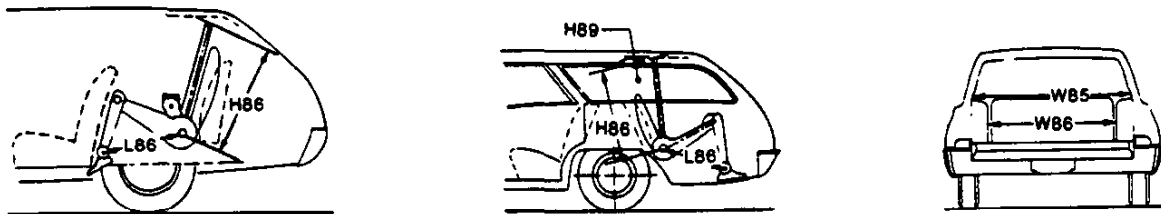
Front Compartment



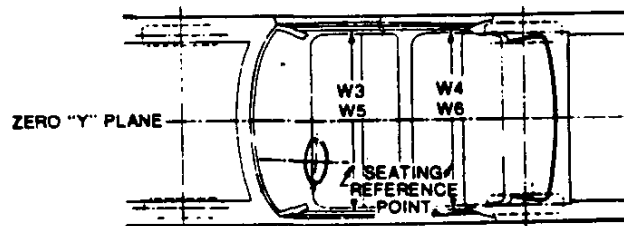
Rear Compartment



Third Seat



Interior Width



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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 dimension 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.

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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 undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.
- 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 COUPLE 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 8.1 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.

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

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

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