



MOTOR VEHICLE

Specifications

METRIC (U.S. Customary)

Passenger Car

1985

Manufacturer Chevrolet Motor Division General Motors Corporation	Car Line Celebrity	
Mailing Address Chevrolet Engineering Center 30003 Van Dyke Warren, MI 48090-9060	Issued July, 1984	Revised October 1984

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

METRIC (U.S. Customary)

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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 by the manufacturer.
4. Additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

**MVMA Specifications Form
Passenger Car**

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

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)
FRONT WHEEL DRIVE					
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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Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (*) 9-84

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Power Teams (Indicate whether standard or optional)
 SAE J1349 Net bhp (brake horsepower) and net torque corrected 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 P	TRANSMISSION TRANSAXLE	DRIVE RATIOS (:1)				
	Displ. Liters (in ³)	Carb. (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM				AXLE RATIO @		Overall Base Veh. Drive	Opt. Veh. Drive	Overa 1
				kW (bhp)	Torque N-m (lb. ft.)			Overall	Opt.			
Base - All States	L4 2.5Liter (151 CID) LR8	EFI *	9.0:1	92 @ 4400	134 @ 2800	S	Man. 4-Spd., 3.53 Low (M19)-Base%	3.65	2.96	--	--	
								Auto. '125c' (MD9)-Opt.	2.39*\$	2.39	2.84#\$	2.84
Opt. - All States @-Except California	V6 2.8Liter (173 CID) LE2	2- Bbl	8.5:1	112 @ 4800	145 @ 2100	S	Auto. '125c' (MD9)-Base	2.84\$	2.84	--	--	
								Auto. '440-T4' (ME9)-Opt.	3.06\$	2.14	--	--
Opt. - All States	V6 2.8Liter (173 CID) LB6	MFI **	8.9:1	130 @ 4800	155 @ 3600	S	Auto. '125c' (MD9)-Base	2.84\$	2.84	3.18+\$	3.18	
								Auto. '440-T4' (ME9)-Opt.	3.06\$	2.14	--	--
Opt.-All States @-Except California	V6 4.3Liter (262 CID) LT7	F.I. Diesel ***	22.8:1	85 @ 3600	165 @ 1600	S	Auto '125c' (MD9)-Opt	2.39\$	2.39	--	--	
@ - Not available in California % - Not available on Eurosport \$ - Axle ratio = chain drive x differential drive ratio # - Optional on Sedans and Coupes; base on wagon + - Optional ratio - base ratio with Chev. Eurosport * - Base for Sedans and Coupes only ** - Multi-Port Fuel Injection *** - Fuel Injection Diesel												

MVMA Specifications Form Passenger Car

Car Line LEIFERLEY
Model Year 1985 Issued 7-84 Revised (e) 9-84

METRIC (U.S. Customary)

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 LT7
--	--	---

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, 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	236.1 (9.3)	224 (8.819)	237 (9.330 + .005)
Deck clearance (minimum) (above or below block)	.64 (.025)-Below	0.62 (.024)-Below	.51 (.019)-Above
Cylinder head material	Cast Alloy Iron		Cast Iron
Cylinder head volume (cm ³)	45.62 (2.78)		21.30 (1.300 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)	70.82 (4.32)	63.41734(3.86927)@	32.88 (2.006)
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 $\frac{(R + M)}{2}$	98		
Total dressed engine mass (wt) dry**	177.7 (391)	142.9 (315)	231.8 (511.0)

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Cast Aluminum Alloy		Aluminum Alloy
	650 (22.93)	467 (16.47)	796 (28.08)

Engine - Camshaft

Location	Right side of block	In block above crank	Center
Material & mass kg (weight, lbs.)	Cast Iron 3.490 (7.698)	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))
			Gear to Gear; Dir. Dr 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
 Model Year 1985 Issued 7-84 Revised (e) 9-84

METRIC (U.S. Customary)

Engine Description/Code
 Engine Code

2.8 Liter - V6 H.O.
 (2.8 Multi-Port FI)
 RPO LB6

ENGINE - GENERAL

Type & description (inline, V, angle, set, location, front, mid, rear, transverse, longitudinal, sohc, dohc, 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 $\frac{(R + M)}{2}$	87	
Total dressed engine mass (wt) dry**	174.4 (384.5)	

Engine - Pistons

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

Engine - Camshaft

Location	In block above crankshaft	
Material & mass kg (weight, lbs.)	Cast iron, 3.098 (6.83)	
Drive type	Chain / belt	Chain
	Width / pitch	19.4 (.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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METRIC (U.S. Customary)

Engine Description/Carb. Engine Code	2.5 Liter L4 (151 CID) Electronic Fuel Injection RPO LR8	2.8 Liter V6 (173 CID) 2-Bbl. Carburetor RPO LE2
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Engine - Valve System

Hydraulic lifters (std., opt., NA)	Standard	
Valves	Number intake / exhaust	4/4
	Head O.D. intake / exhaust	43.69 (1.72)/38.10 (1.50)
		6/6
		40.64 (1.60)/33.20 (1.31)

Engine - Connecting Rods

Material & mass [kg., (weight, lbs.)]	Cast arms steel/.621 (1.37)	1038 steel/.602 (1.327)
---------------------------------------	-----------------------------	-------------------------

Engine - Crankshaft

Material & mass [kg., (weight, lbs.)]	Nodular cast iron/12.510(27.52)	Nodular cast iron/14.170(31.24)
End thrust taken by bearing (no.)	5	3
Number of main bearings	5	4

Engine - Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	2.59 (37.5)	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.)	2.8 (3.0)	3.8 (4.0)

Engine - Diesel Information

Diesel engine manufacturer	
Glow plug, current drain at 0°F	Not
Injector nozzle	Type
	Opening pressure [kPa (psi)]
Pre-chamber design	
Fuel injection pump	Manufacturer
	Type
Fuel injection pump drive (belt, chain, gear)	
Supplementary vacuum source (type)	
Fuel heater (yes/no)	
Water separator, description (std., opt.)	
Turbo manufacturer	
Oil cooler-type (oil to engine coolant; oil to ambient air)	
Oil filter	

Engine - Intake System

Turbo charger - manufacturer	Not Applicable
Super charger - manufacturer	
Charge cooler	

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Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) 9-84

METRIC (U.S. Customary)

Engine Description/Carb. Engine Code	4.3 Liter V6 (262 CID) Fuel Injection Diesel RPO 1T7	2.8 Liter V6 (173 CID) Multi-Port Fuel Injection RPO LB6
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Engine - Valve System

Hydraulic lifters (std., opt., NA)	Standard	
Valves	Number intake / exhaust	6/6
	Head O.D. intake / exhaust	47.00 (1.85)/41.20 (1.62) 43.64 (1.72)/36.20 (1.43)

Engine - Connecting Rods

Material & mass [kg., (weight, lbs.)]	1140 steel/.880 (1.940)	1038 steel/.399 (0.880)
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Engine - Crankshaft

Material & mass [kg., (weight, lbs.)]	Nodular cast iron/18.143(40.0)	Nodular cast iron/14.170(31.24)
End thrust taken by bearing (no.)	3	3
Number of main bearings	3	4

Engine - Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	207-310 @/150 RPM(30-45 psi)	345-450 (50-65) @ 1200
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, part. other)	Full flow	
Capacity of oil case, less filter-refill-L (qt.)	5.7 (6.0) service with filter	3.8 (4.0)

Engine - Diesel Information

Diesel engine manufacturer	Oldsmobile	
Glow plug, current drain at 0°F	18 amps	Not
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
Fuel injection pump drive (belt, chain, gear)	Gear	
Supplementary vacuum source (type)	Mechanical pump	
Fuel heater (yes/no)	Yes	
Water separator, description (std., opt.)	Standard	
Turbo manufacturer	Not Available	
Oil cooler-type (oil to engine coolant; oil to ambient air)	Oil to engine coolant	
Oil filter	Yes	

Engine - Intake System

Turbo charger - manufacturer	Not Applicable	
Super charger - manufacturer		
Charge cooler		

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Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

2.5 Liter L4 (151 CID) Electronic Fuel Injection 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, 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 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						
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	Describe (type, material, no. of rows)	Cross flow, copper-brass, high efficiency radiator except LE2 with A/C and Auto. 4-speed is aluminum.					
	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/5-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						

@ - 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.

(a) - With rotating reinforcement ring, shrouded.

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Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (*) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

4.3 Liter V6 (262 CID)
Fuel Injection - Diesel
RPO LT7

Engine - Cooling System

Coolant recovery system (std., opt., n.s.)		Standard		
Coolant fill location (rad., bottle)		Bottle, coolant recovery		
Radiator cap relief valve pressure [kPa (psi)]		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		
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)		
Water jackets full length of cyl. (yes, no)		Yes		
Water all around cylinder (yes, no)		Yes		
Radiator core	Describe (type, material, no. of rows)	Cross flow, Base radiator is copper-brass, high efficiency A/C Radiator is aluminum, high efficiency		
	Std., A/C, HD	Std.	A/C	H.D.
	Width	668.0	667.5	667.5
	Height	429.7	437.8	437.8
	Thickness	25.0	34.0	34.0
	Fins per inch *	3.0	3.0	3.0
Std., elec., opt.		Standard/Electric/Optional		
Fan	Number of blades & type (flex, solid, material)	Standard 5-Irregular/Electric & Optional 7-Irregular		
	Diameter & projected width	Standard 422.0 (16.6), A/C 423.0 (16.7)		
	Ratio (fan to crankshaft rev.)	Standard-single speed 96W/Electric & Opt. 2-speed 150/400W		
	Fan cutout type	Standard, coolant temperature/Electric & Opt. (**)		
	Drive [type (direct, remote)]	Std.-Electric, one with rotating reinforcement ring (#)		
	RPM at idle (elec.)	1800 @ low speed, 2400 @ high speed		
	Motor rating (wattage) (elec.)	150/400 watts - 2-speed		
	Motor switch (type & location) (elec.)	A/C head pressure (#)		
	Switch point (temp., pressure) (elec.)	106°/116°C (223/241)		
	Fan shroud (material)	None		

* - Distance between top of fins.

** - Coolant temperature and A/C pressure.

- Electric & optional, electric, one with rotating reinforcement ring, shrouded.

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METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

2.8 Liter V6 (173 CID)
(2.8 Multi-Port FI)
RPO 1.86

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	
Cooling system capacity	With heater--L(qt.)	11.82 (12.5) Auto; 11.92 (12.6) Man.	
	With air cond.--L(qt.)	11.96 (12.6) Auto; 12.06 (12.7) Man.	
	Opt. equipment [specify--L(qt.)]	12.16 (12.8) Auto; 12.26 (12.9) Man.	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Radiator core	Describe (type, material, no. of rows)	Cross flow, aluminum, high efficiency radiator	
	Std. A/C, HD	Std.	A/C & H.D.
	Width	668.0	668.0
	Height	345.3	429.7
	Thickness	25.0	40.2
	Fins per inch *	4.5	3.0
Std., elec., opt.		Standard, Electric	
Fan	Number of blades & type (flex, solid, material)	Standard 4-blades/A/C 5-blades (Plastic)	
	Diameter & projected width	Standard 291.0 (11.46/A/C 422.0 (16.61))	
	Ratio (fan to crankshaft rev.)	--	
	Fan cutout type	--*	
	Drive [type (direct, remote)]	--	
	RPM at idle (elec.)	--	
	Motor rating (wattage) (elec.)	--	
	Motor switch (type & location) (elec.)	Engine temperature switch, engine cylinder head	
	Switch point (temp., pressure) (elec.)	--	
	Fan shroud (material)	None	

- Distance between top of fins.

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

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METRIC (U.S. Customary)

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
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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	
Carburetor	Migr.	Rochester	Rochester	
	Choke (type)	None	Electric	
	Idle spd. -rpm (spec. neutral or drive and propane if used)	Manual	None	None
			None	None
Automatic		None	600 (Drive)	
		None	--	
Idle A/F mix.		Preset - no adjustment provided		
Fuel injection	Point of injection (no.)	Throttle Body	--	
	Constant, pulse, flow	Pulse	--	
	Control (electronic, mech.)	Electronic	--	
	System pressure (kPa (psi))	--	--	
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water	Exhaust	
Air cleaner type	Standard	(*)		
	Optional	--		
Fuel pump	Type (elec. or mech.)	Electrical	Mechanical	
	Location (eng., tank)	Fuel Tank	On engine LF	
	Pressure range (kPa (psi))	45-55 (6.5-8.0)	41-52 (6.0-7.5)	

Fuel Tank

Capacity (refill L (gallons))		59.4 (15.7) approx.	62.1 (16.4) approx.
Location (describe)		Underside - rear center	
Attachment		Underbody strap	
Material		Steel	
Filter type	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.

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METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

2.8 Liter - V6 Multi-Port Fuel Injection RPO LB6	4.3 Liter V6 (262 CID) Fuel Injection - 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	Mfgr.	Not Available		
	Choke (type)	None		
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	"	
		Automatic	"	
Idle A/F mix.	Preset - no adjustment provided			
Fuel injection	Point of injection (no.)	Fuel Injectors at inlet ports Cylinder Head		
	Constant, pulse, flow	Pulse		
	Control (electronic, mech.)	Electronic	Mechanical	
	System pressure [kPa (psi)]	--	6900 kPa +/-690 (1000 +/-100)	
Intake manifold heat control (exhaust or water thermostatic or fixed)	None			
Air cleaner type	Standard	(*)	(+)	
	Optional	Not Available		
Fuel pump	Type (elec. or mech.)	Electrical		
	Location (eng., tank)	Fuel Tank	Top center of engine	
	Pressure range [kPa (psi)]	37.92-44.82 (5.5-6.5)		

Fuel Tank

Capacity (refill L (gallons))	59.4 (15.7) approx.	62.8 (16.6) approx.	
Location (describe)	Underside - rear center		
Attachment	Underbody strap		
Material	Steel #1008 or 1010 GM-124-M		
Filler pipe	Location & material	Driver side 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)]	"	
	Location & material	"	
	Attachment	"	
Auxiliary tank	Opt., n.a.	"	
	Capacity [L (gallons)]	"	
	Location & material	"	
	Attachment	"	
	Selector switch or valve	"	
Separate fill	"		

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

2.5L L-4 (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
--	---	--

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	
	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	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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.8LITER-V6 (173 CID)
 2.8 MULTI-PORT FI
 RPO - LB6

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		CCC Control with air injection
	Air Injection	Pump or pulse	None
		Driven by	None
		Air distribution (head, manifold, etc.)	None
		Point of entry	None
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Not available
		Exhaust source	Not available
		Point of exhaust injection (spacer, carburetor, manifold, other)	Not available
	Catalytic Converter	Type	Single bed, oxidizing & reducing
		Number of	One
Location(s)		Mounted to underbody	
Volume [L (in ³)]		2.78 (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)		Intake manifold
	Air inlet (breather cap, other)		Carburetor air cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	--
	Vapor storage provision		Canister
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single
Muffler no. & type (reverse flow, straight thru, separate resonator)		One reverse flow
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	--
	Main o.d., wall thickness	50.8 X 0.81 (2.0 X 0.03)
	Material	Laminated tubing-stainless steel outer, steel inner
Intermediate pipe	o.d. & wall thickness	57.15 X 0.81 (2.25 X 0.03)
	Material	Aluminum coated steel
Tail pipe	o.d. & wall thickness	57.15 X 1.10 (2.25 X 0.04)
	Material	Aluminum coated steel (a)

(a) Dual tail pipes on Eurosport.

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (•) _____

METRIC (U.S. Customary)

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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
 engine Code

2.8 Liter - V6 2.8 Multi-Port FI RPO LB6	4.3 Liter V6 (262 CID) Fuel Injection - Diesel RPO LT7
--	--

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.)	Not Available	
Manual 4-speed (std., opt., n.a.)	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.)	Standard	Optional
Automatic overdrive (std., opt., n.a.)	Not Available <i>DFT</i>	

Manual Transmission/Transaxle

Number of forward speeds		4	
Transmission ratios	In first	3.53	
	In second	NOT	
	In third	APPLICABLE	
	In fourth	0.81	
	In fifth	--	
	In overdrive	--	
	In reverse	3.42	
Synchronous meshing (specify gears)		All forward gears	
Shift lever location		Floor	
Oil	Capacity [L. (pt.)]	2.8L (6.0)	
	Type recommended	SAE 5W-30 Engine oil 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, engagement (describe)		Borg & Beck dry single plate
Type pressure plate springs		Diaphragm
Total spring load [N (lb.)]		NOT (1245 lbs)
No. of clutch driven discs		APPLICABLE 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.	(9.125 x 6.125)
	Total eff. area [cm ² (in. ²)]	(35.94)
	Thickness	(.295-.315)
Release bearing	Engagement cushion method	Driven plate wave spoke springs
	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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (•) 9-84

METRIC (U.S. Customary)

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
--	---

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	1.60	1.00
	1	2.84	1.57
	Overdrive	Not Available	2.92
Max. uphill speed - drive range (km/h (mph))	Not Available	1-2=69(43), 2-3=124(77)	
Max. lockdown 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	
	Nominal diameter	245 (9.65)	
Lubricant	Capacity (refill L (pt.))	4.6 (10.0)	3.0 (6.0)
	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 / differential adjustment (shim, other)	None			
Pinion / differential bearing adjustment (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	"	"
		Winter	"	"
Extreme cold		"	"	

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

Axle ratio (or 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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) 9-84

METRIC (U.S. Customary)

Engine Description/Carb. Engine Code	2.8 Liter V6 (173 CID) 2.8 Multi-Port FI RPO LB6	4.3 Liter V6 (262 CID) Fuel Injection - Diesel RPO LT7
---	--	--

Automatic Transmission/Transaxle

Trade name	3-speed automatic	4-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	P-R-N-D--3-2-1
Gear ratios	R	2.07	2.38
	D	1.00	0.70 <i>d</i>
	2	1.60	1.00 <i>e</i>
	1	2.84	1.57 <i>z</i>
	Overdrive	Not Available	2.92 <i>i</i>
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	
	Nominal diameter	245 (9.65)	
Lubricant	Capacity (refill L (pt.))	4.6 (10.0)	3.0 (6.0)
	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 bearings			
Limited slip differential (type)	Not Available			
Drive pinion offset	Not Available			
Drive pinion (type)	Not Available			
No. of differential pinions	2			
Pinion / differential adjustment (shim, other)	None			
Pinion / differential bearing adjustment (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	Transmission same as auto.		
	SAE viscosity number	Summer	"	"
		Winter	"	"
		Extreme cold	"	"

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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb. Engine Code	2.5L L4 (151 CID) Elect. Fuel Inj. RPO LR8	2.8L V6 (173 CID) 2-8bl. Carburetor RPO LE2	4.3L V6 (262 CID) Fuel Inj. Diesel RPO LT7
---	--	---	--

Axle Shafts - Front Wheel Drive

Number used		Two		
Type (straight, solid bar, tubular, etc.)		Left	Straight, solid bar	
		Right	Straight, solid bar	
Outer diam. x length* x wall thickness	Manual transmission	Left	23.91 x 352.95 (1) @	
		Right	23.91 x 757.15 (1) @	
	Automatic transmission	Left	23.91x346.40(3-spd)(2)@	
		Right	23.91x456.40(3-spd)(2)@	
	Optional transmission	Left	23.91x341.90(4-spd)(3)@	
		Right	23.91x418.45(4-spd)(3)@	
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	Tripot (4)	
		Outer	Rzeppa, fixed	
	Attach (u-bolt, clamp, etc.)	Splined		
Bearing	Type (plain, anti-friction)	Anti-friction		
	Lubrication (fitting, prepack)	Prepacked		
Drive taken through (torque tube, arms or springs)		Wishbone lower control arm, upper MacPherson strut		
Torque taken through (torque tube, arms or springs)		Engine mounting system		

@ - 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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.8 Liter - V6 H.O.
 2.8 Multi-Port F.I.
 RPO LB6

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
Sip yoke	Type		None
	Number of teeth		None
	Spine o.d.		None
Universal joints	Make and mtg. 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	
	Lubrication (fitting, prepack)	Prepacked	
Drive taken through (torque tube, arms or springs)		Wishbone lower control arm, upper MacPherson strut	
Torque taken through (torque tube, arms or springs)		Engine mounting system	

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

@ - Shaft capacity = 2300 N.m

% - Shaft capacity = 2700 N.m

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

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
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: 22 (0.86); 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
Drive and torque taken through		--
Travel	Full jounce	95.0 mm (3.7 in)
	Full rebound	89.0 mm (3.5 in)
Spring	Type (coil, leaf, other) & material	Coil, Steel
	Insulators (type & material)	--
	Size (coil design height & i.d., bar length x dia.)	260 (10.3) height at checking load; 165.1 (6.5) I.D.; 2768 (108.9) length; 136 (0.54) dia.
	Spring rate [N/mm (lb./in.)]	Base 14.5(83.0)F40-23.5(134.0)F41-16.0(91.0)Ds1 17.5(100.0)
	Rate at wheel [N/mm (lb./in.)]	Base 17.6(100.0)F40-26.08(149.0)F41-19.0(108.0)Ds1 20.93(119.0)
Stabilizer	Type (link, 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) & material	Coil, 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)
	Insulators (type & material)	Rubber insulator top and bottom
	If leaf	No. of leaves
Shackle (comp. or tens.)		--
Stabilizer	Type (link, linkless, frameless)	Linkless, function performed by axle beam
	Material & bar diameter	Steel, 20 mm (.79)
Track bar (type)		Transverse beam

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
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METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

Sedan/Coupe Base	Sedan/Coupe Medium & Heavy Weight
---------------------	--------------------------------------

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	
		Standard	
Power brake (std., opt., n.a.)		Standard	
Booster type (remote, integral, vac., hyd., etc.)		Tandem Vacuum	
Vacuum source (inline, pump, etc.)		In-Line (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	Outerworking diameter	F/R	247mm (9.72 in) / 260mm (10.2 in)
	Inner working diameter	F/R	147mm (5.67)
	Thickness	F/R	22mm (0.866 in) / 26mm (1.02 in)
	Material & type (vented/solid)	F/R	Cast Iron, Vented
Drum	Diameter & width	F/R	225x45mm (8.85x1.77 in)
	Type and material	F/R	Composite, Cast Iron
Wheel cylinder bore			57mm(2.24in)/17.5mm(0.689in) / 64mm(2.50in)/19mm(0.74in)
Master cylinder	Bore/stroke	F/R	% / #
Pedal arc ratio		3.5:1	
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]		12366 (1793)	
Lining clearance		(F/R)	Self-Adjust.:Frt-0,Rr-.381mm
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Riveted / Integrally Molded
		Rivet size	5.33x9.63mm (0.210x0.379) / --
		Manufacturer	Delco Moraine
		Lining code	DM 8032 / DM 8032 DL (HE1M)
		Material	Semi-Metallic
		**** Primary or out-board	125x46x10mm (4.92x1.81x.39in)
		**** Secondary or in-board	125x46x11mm (4.92x1.81x.43in)
	Shoe thickness (no lining)	Inboard 5, Outboard 3	
	Rear wheel	Bonded or riveted (rivets/seg.)	Riveted
		Manufacturer	Inland
		Lining code	235 FE
		Material	Organic
		**** Primary or out-board	176x44x6mm (6.39x1.73x.24in)
		**** Secondary or in-board	208x44x7.6mm (8.19x1.73x.30in)
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 P/2 for each brake.)

****Size for drum brakes includes length x width x thickness.

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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e)

Body Type And Or
 Engine Displacement

Station Wagon Base	Station Wagon Heavy Weight
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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.)		Standard			
Booster type (remote, integral, vac., hyd., etc.)		Tandem vacuum			
Vacuum source (inline, pump, etc.)		In line (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)		1839 (285.0)			
Rotor	Outerworking diameter	F/R	260 mm (10.2 in)		
	Inner working diameter	F/R	147 mm (5.67 in)		
	Thickness	F/R	26 mm (1.02 in)		
	Material & type (vented/solid)	F/R	Cast iron, vented		
Drum	Diameter & width	F/R	225 x 45 mm (8.85 x 1.77 in)		
	Type and material	F/R	Composite, cast iron, finned		
Wheel cylinder bore			64mm(2.50in)/20.6mm(0.81in) 64mm(2.50in)/19.0mm(0.74in)		
Master cylinder	Bore/stroke	F/R	% #		
Pedal arc ratio		3.5:1			
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]		12366 (1793)			
Lining clearance		(F/R)	Self adjusting; Front-0, Rear-.381		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Riveted-Front/Integrally Molded-Rear	
		Rivet size		5.33x9.63 mm (0.210)	
		Manufacturer		Delco Moraine	
		Lining code		DM 8032	
		Material		Semi-Metallic	
		****	Primary or out-board	125 x 46 x 10 mm (4.92 x 1.81 x .39 in)	
		Size	Secondary or in-board	125 x 46 x 11 mm (4.92 x 1.81 x .43 in)	
	Shoe thickness (no lining)		Inboard 5, Outboard 3		
	Rear wheel	Bonded or riveted (rivets/seg.)		Riveted	
		Manufacturer		Inland	
		Lining code		235 FE	
		Material		Organic	
		****	Primary or out-board	176 x 44 x 6 mm (6.39 x 1.73 x .24 in)	
		Size	Secondary or in-board	208 x 44 x 7.6 mm (8.19 x 1.73 x .30 in)	
Shoe thickness (no lining)		2 mm (0.0787 in)			

*Excludes rivet holes, grooves, chamfers, etc. % - 22.2 & 31.8 (0.87 & 1.25)/35.75 (1.41)

**Includes rivet holes, grooves, chamfers, etc. # - 24.0 & 31.8 (0.94 & 1.25)/35.75 (1.41)

***Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)
 (Disc brake: Square of Outer Working Dia. minus Square of Inner Working Dia. multiplied by Pi/2 for each brake.)

****Size for drum brakes includes length x width x thickness.

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (e)

METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

Sed & Cpe (Except 6- Pass Sed., 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)		P185/75R14, 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 (psi))	240 (35)	240 (35)	240 (35)	205 (30)
		Rear (kPa (psi))	240 (35)	240 (35)	240 (35)	205 (30)
Rev./mile—at 70 km/h (45 mph)		526	519	508	508	
Wheels	Type & material		Steel	Steel	Steel	Steel
	Rim (size & flange type)		14 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)		P185/75R14, 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	Steel	Steel	Aluminum
Rim (size, flange type and offset)		14x5.5, 42.0	14x5.5, 42.0	14x5.5, 42.0	14x6.5, 34.0
Size (load range, ply)					
Type (bias, radial, etc.)					
Wheel (type & material)					
Rim (size, flange type and offset)					
Size (load range, ply)					
Type (bias, radial, etc.)					
Wheel (type & material)					
Rim (size, flange type and offset)					
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
Spare service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

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 c = 50 for Eurosport
	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	
		Outer bearing	as assembly.	
	Thread (size)		Not applicable	
	Bearing (type)		Integral double row ball, permanently lubricated	

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Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (*) 9-84

METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

ALL

Wheel Alignment

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

Speedometer	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
Windshield 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)
Windshield 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 (Option) Base single note
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

Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (*) _____

METRIC (U.S. Customary)

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

Battery	Make	Delco Remy		
	Model, std., (opt.)	70-405Std, 75-500, Opt 70-405Std, 75-500, Opt 78-770Std, 76-1100, Opt		
	Voltage	12 Volt		
	Amps at 0°F cold crank	405 Std, 500 Opt.	405 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)	
	Number per cylinder	One		
Distributor	Make	Delco Remy		
	Model	--	1103569	

Electrical - Suppression

Locations & type: 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

Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

2.8 Liter - V6 H.O.
2.8 Multi-Port F.I.
RPO LB6

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
Motor drive	Engagement type	Positive shift solenoid
	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	Number per cylinder	One	
	Make	Delco-Remy	
	Model	--	

Electrical - Suppression

Locations & type
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

Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (●) _____

METRIC (U.S. Customary)

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 mechanical std; Internal elect. opt.	
Hatch-back lid	Type (counterbalance, other)	Not Applicable	
	Internal release control (elec., mech., n.a.)	Not Applicable	
Bumper front	Bar material & mass, kg (weight, lbs.)	Steel 10.700 (23.6)	
	Reinforcement material & mass, kg (lbs.)	Molded polyurethane padding	
Bumper rear	Bar material & mass, kg (weight, lbs.)	Steel (12.600 (27.8))	
	Reinforcement material & mass, kg (lbs.)	None	
Vent window control (crank, friction, pivot, power)	Front	None	
	Rear	None	Rear quarter, pivot
Seat cushion type (e.g., 60 40, bucket, bench, wire, foam etc.)	Front	Molded polyurethane padding	
	Rear	Molded polyurethane padding	
	3rd seat	--	Molded poly. padding
Seat back type (e.g., 60 40, bucket, bench, wire, foam etc.)	Front	Molded polyurethane padding	
	Rear	Molded polyurethane padding	
	3rd seat	--	Molded poly. padding
Vehicle identification 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
---	--

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)] - total 2-sides	S2	11412 (1768.9)	11251 (1743.9)	17736 (2749.1)
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)	32098 (4975.2)
Windshield glass (type)		Curved - Laminated Plate		
Side glass (type)		Curved - Tempered Plate		
Backlight glass (type)		Curved - Tempered Plate		

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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) _____

Body Type

ALL

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 1985 Issued 7-84 Revised (e) _____

Body Type	2-Door Notchback Coupe	4-Door Notchback Sedan	4-Door Station Wagon
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Convenience Equipment (standard, optional, n.a.)

Air conditioning (manual, auto temp control)	Optional - manual control		
Clock (digital, analog)	Digital-opt. with mono radios; incl. w/stereo radio equip.		
Compass / thermometer	Not Available		
Console (floor, overhead)	Optional (floor)		
Defroster, elec. backlight	Optional		
Electronic	Diagnostic warning (integrated, individual)	Not Available	
	Instrument cluster (list instruments)	"	
	Keyless entry	"	
	Tripmeter (avg. spd., fuel)	"	
	Voice alert (list items)	"	
	Other	"	
	--		
Fuel door lock (remote, key, electric)	Not Available		
Lamps	Auto head on / off delay, dimming	"	
	Cornering	"	
	Courtesy (map, reading)	Optional	
	Door lock, ignition	"	
	Engine compartment	"	
	Fog	Not Available	
	Glove compartment	Optional	
	Trunk	"	
	Other	None	
	--		
Mirrors	Day night (auto, man.)	Standard - manual	
	L.H. (remote, power, heated)	Standard - manual, Remote optional	
	R. H. (convex, remote, power, heated)	Optional - convex	
	Visor vanity (RH / LH, illuminated)	Optional - RH	
Parking brake-auto release (warning light)	Warning light, standard		
Power equipment	Door locks - deck lid - specify	Optional - power	
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	Optional - 6-way power bench seat - 6-way 45/45 power bench seat, power driver seat only. Recliner, left & right.	
	Side windows	Optional	
	Vent windows	Not Available	
	Rear window	" Rear quarter, manual	
		--	
Radio systems	Antenna (location, whip, windshield, power)	Mast, fender	
	AM, FM, stereo, tape, CB	Optional AM, FM/FM, AM/FM stereo, AM/FM cassette	
	Speaker (number, location) Premium sound	Optional, extended range rear	
Roof open air/fixed (flip-up, sliding, "T")	Sunroof, optional (interim)		
Speed control device	Optional, includes resume speed & acceleration feature		
Speed warning device (light, buzzer, etc.)	Not Available		
Tachometer (rpm)	"		
Theft protection-type	Lock mounted on steering column; locks steering wheel, transmission shift lever and ignition.		

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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) 9-84

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 Sg RP (front)	W117	1722 (67.8)		
Vehicle width (front doors open)	W120	3800 (149.6)	3310 (130.3)	
Vehicle width (rear doors open)	W121	--	3174 (125.0)	

Length

Wheelbase	L101	2664 (104.9)		
Vehicle length	L103	4783 (188.3)		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	1375 (54.1)		1378 (54.3)
Cowl point to ground	H114	936 (36.8)		934 (36.8)
Deck point to ground	H138			
Rocker panel-front to ground	H112	219 (8.6)		218 (8.6)
Bottom of door closed-front to grd.	H133	290 (11.4)		294 (11.6)
Rocker panel-rear to ground	H111	219 (8.6)		226 (8.9)
Bottom of door closed-rear to grd.	H135	--	291 (11.5)	293 (11.6)

Ground Clearance **

Front bumper to ground	H102	362 (14.2)		356 (14.0)
Rear bumper to ground	H104	354 (13.9)		
Bumper to ground (front at curb mass (wt.))	H103	381 (15.0)		371 (14.6)
Bumper to ground (rear at curb mass (wt.))	H105	379 (14.9)		368 (14.5)
Angle of approach (degrees)	H106	14.4°		14.0°
Angle of departure (degrees)	H107	17.8°		18.8°
Ramp breakover angle (degrees)	H147	15.1°		15.3°
Rear axle differential to ground	H153	158 (6.2)		
Min. running ground clearance	H156	144 (5.7)		141 (5.6)
Location of min. run. grd. clear.		Front suspension		

* All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified.

** 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
 Model Year 1985 Issued 7-84 Revised (e) 9-84

Body Type	SAE Ref. No.	2-Door Notchback Coupe 1AW27	4-Door Notchback Sedan 1AW19	4-Door Station Wagon 1AW35

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			
Back angle	L41	24.5		

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	460 (16.2)		--
** Lifter height	H195	900 (35.4)	810 (31.9)	821 (32.3)

Interior Volumes (EPA Classification)

Vehicle class		Mid-size		
Interior volume index (cu. ft.)		98.2	97.8	97.9
Trunk/cargo index (cu. ft.)		16.2		41.6

All linear dimensions are in millimeters (inches).

** EPA Loaded Vehicle Weight, Loading Conditions

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

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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) 9-84

See Key Sheets for definitions

Body Type

SAE Ref. No.	4-0007 Station Wagon 1AW35
--------------	----------------------------------

Station Wagon - Third Seat Optional-RPO AQ4

Shoulder room	W85	1125 (44.3)
Hip room	W86	1100 (43.3)
Effective leg room	L86	737 (29.0)
Effective head room	H86	920 (36.2)
Effective T-point head room	H89	923 (36.3)
Seat facing direction	SD1	Rearward
Back angle	L88	25.0°

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	930 (36.6)
Rear opening width at floor	W203	1082 (42.6)
Opening width at belt	W204	1376 (54.2)
Max. rear opening width above belt	W205	996 (39.2)
Cargo height	H201	803 (31.6)
Rear opening height	H202	729 (28.7)
Tailgate to ground height	H250	821 (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	--
Cargo volume, index-rear of 2-seat	V10	1179 (41.6)

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	--
Cargo volume index-rear of 2-seat	V11	--

Aerodynamics*

Wheel lip to ground, front	
Wheel lip to ground, rear	
Frontal area [m ² (ft ²)]	
Drag coefficient (Cd)	

* Describe measurement method.

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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) 9-84

Body Type	2-Door	4-Door	4-Door
	Notchback Coupe 1AW27	Notchback Sedan 1AW19	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 - rear, measured horizontally from base grid line to rear fiducial mark located on the rail (compartment pan-longitudinal).	
	Y	Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on the rail (compartment pan-longitudinal).	
	Z	Fiducial mark to horizontal base grid line - rear, measured vertically from base grid line to the rear fiducial mark located on the rail (compartment pan-longitudinal).	
Front	W21	564 (22.2)	
	LS4	771 (30.4) *	
	HB1	58 (2.3) #	
	H161	308 (12.1)	302 (11.9)
	** H163	286 (11.3)	287 (11.3)
Rear	W22	489 (19.3)	510 (20.1)
	LS5	2980 (117.3) *	2215 (87.2) *
	HB2	187 (7.4) #	- 14 (-0.6) #
	H162	441 (17.4)	440 (17.3)
	** H164	416 (16.4)	425 (16.7)
	* Vertical Base Grid 2000 mm line. # Horizontal Base Grid 200 mm line.		

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

** EPA Loaded Vehicle Weight, Loading Conditions

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

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) _____

Body Type	SAE Ref. no.	2-Door Notchback Coupe 1AW27	4-Door Notchback Sedan 1AW19	4-Door Station Wagon 1AW35

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.

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Swing-up tailgate	0	-.4	-.4	1AW35 only
Window RPO AB7	(0)	(-.9)	(.9)	
Power Seat 6-Way (Requires RPO AG1 or A42)	2.2 (4.8)	2.8 (6.2)	5.0 (11.0)	All models
RPO AG9				
Rear-Facing Third Seat	-.6	(6.4)	5.8	1AW35 only
RPO AQ4	(-1.3)	(14.1)	(12.8)	
Bucket Seat RPO AR9	1.4	1.4	2.8	All models
	(3.1)	(3.1)	(6.2)	
Seat Front 45/45 (Includes Folding Armrest, Armrest deleted with D55 floor console)	1.6 (3.5)	1.6 (3.5)	3.2 (7.0)	2-door model
RPO AS7	1.6	1.5	3.1	4-door model
	(3.5)	(3.3)	(6.8)	
Power Door Lock System	1.2	1.2	2.4	2-door model
RPO AU3	(2.6)	(2.6)	(5.2)	
	1.4	2.0	3.4	4-door model
	(3.1)	(4.4)	(7.5)	
Electric Tailgate Release	-.2	1.0	.8	1AW35 only
RPO AU6	(-0.4)	(2.2)	(1.8)	
Swing-out Rear Quarter	-.2	1.0	.8	1AW35 only
CV Window RPO A20	(0.4)	(2.2)	(1.8)	
Power Windows	.6	1.4	2.0	2-door model
RPO A31	(1.3)	(3.1)	(4.4)	
	1.8	2.8	4.6	4-door model
	(4.0)	(6.2)	(10.2)	
Power Trunk Opener	-.2	1.0	.8	1AW19 & 27 models
RPO A90	(0.4)	(2.2)	(1.8)	
Deluxe Rr Comp Decor	-.2	1.2	1.0	1AW35 only
RPO BC5	(0.4)	(2.6)	(2.2)	
Estate Equipment RPO BX3	.8	1.6	2.4	1AW35 only
	(1.8)	(3.5)	(5.3)	

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Reclining Driver & Passenger, seat back (Feature included with AR9 bucket seat option)	1.0 (2.2)	1.0 (2.2)	2.0 (4.4)	2-door model
RPO A78	1.0 (2.2)	1.2 (2.6)	2.2 (4.8)	4-door model
Color-Keyed Floor Mats Front	1.4 (3.1)	1.0 (2.2)	2.4 (5.3)	All models
RPO B32				
Color-Keyed Floor Mats Rear	.4 (0.9)	.6 (1.3)	1.0 (2.2)	All models
RPO B33				
Deluxe Luggage Comp Trim	0 (0)	3.0 (6.6)	3.0 (6.6)	1AW19, 27 models
RPO B48				
Celebrity Classic	2.0 (4.4)	2.0 (4.4)	4.0 (8.8)	1AW19, 27 models, except RPO ZV8 Eurosport.
RPO CB5				
Intermittent Windshield Wiper System	.2 (0.4)	0	.2 (0.4)	All models
RPO CD4				
Tailgate window wiper/washer	2.8 (6.2)	1.8 (4.0)	4.6 (10.2)	1AW35 only
RPO C25				
Electric Rear Window Defogger	0 (0)	.6 (1.3)	.6 (1.3)	All models
RPO C49				
Rear Window Air Deflector	-.8 (-1.8)	3.0 (6.6)	2.2 (4.8)	1AW35 only
RPO C51				
Air Conditioning	20.2 (44.5)	.8 (1.8)	21.0 (46.3)	1AW19 & 35 with RPO 1E2, 1B6, MD9, ME9 & M19
RPO C60				
	22.0 (48.5)	1.0 (2.2)	23.0 (50.7)	1AW27 & RPO 1E2 & 1B6
	25.4 (56.0)	1.2 (2.6)	26.6 (58.6)	1AW00 & RPO 1B8
	23.4 (51.6)	1.4 (3.1)	24.8 (54.7)	1AW00 & RPO 1T7
Dome Reading Lamp	0 (0)	.2 (0.4)	.2 (0.4)	All models
RPO C95				

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1985 Issued 7 84 Revised (e) _____

METRIC (U.S. Customary)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Remote Control Outside	.4	0	.4	All models
Rear View Mirror, L.H. (Black finish) RPO D33	(0.9)	0	(0.9)	
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	3.2 (7.0)	2.8 (6.2)	6.0 (13.2)	All models
Twin Remote Control Sport Mirrors RPO D68	.8 (1.8)	.6 (1.3)	1.4 (3.1)	All models
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	2.2 (4.8)	.4 (0.9)	2.6 (5.7)	All models with RPO LE2 & LB6
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)	Base equipment, all models
Electronic-Speed Control with Resume Speed RPO K34	2.0 (4.4)	0 (0)	2.0 (4.4)	With RPO LE2 & LB6 engines
	2.6 (5.7)	0 (0)	2.6 (5.7)	With RPO LR8 engine
	1.6 (3.5)	0 (0)	1.6 (3.5)	With RPO LT7 engine
Engine 2.8 Liter 2-Bbl. (173 C.I.D.) V6 RPO LE2	30.0 (66.1)	-2.0 (-4.4)	28.0 (61.7)	All models with 3-speed auto transmission
	29.4 (64.8)	-2.0 (-4.4)	27.4 (60.4)	All models with 4-speed auto transmission

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Engine 2.8 Liter MFI (173 C.I.D.) V6	35.0 (77.2)	3.0 (6.6)	38.0 (83.8)	All models
High Output RPO LB6				
Engine 4.3 Liter Diesel (262 C.I.D.) V6; 90° F.I.	88.2 (194.4)	-5.8 (-12.8)	82.4 (181.6)	All models, except Eurosport
Not available with RPO ZV8 RPO LT7				
Automatic Transmission 3-speed (THM-125c) RPO MX1	21.4 (47.2)	.6 (1.3)	22.0 (48.5)	All models, used with gasoline engines
Automatic Transmission 4-speed (440-T4) RPO MX0	38.3 (84.4)	0 (0)	38.3 (84.4)	All models, all engines, except 2.5 Liter I4 (RPO LR8)
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, intermittent wipers required RPO CD4
Wire Wheel Covers (Not available with RPO ZV8 Eurosport package.) RPO N95	3.2 (7.0)	3.2 (7.0)	6.4 (14.0)	All models
Sport Wheel Covers 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	3.0 (6.6)	-.6 (-1.3)	2.4 (5.3)	With RPO LR8, 1F2 & LB6 engines
	10.8 (23.8)	-2.0 (-4.4)	8.8 (19.4)	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 UE8 clock RPO UL1	.4 (0.9)	0 (0)	.4 (0.9)	All models, includes 4-speaker system.

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1985 Issued 7-84 Revised (e) _____

METRIC (U.S. Customary)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
AM/FM Stereo Radio/ Stereo Cassette Player/ Clock ETR type. RPO UM6	.8 (1.8)	.2 (0.4)	1.0 (2.2)	All models
Dual Note Horns RPO U05	.6 (1.3)	0 (0)	.6 (1.3)	All models
AM/FM Stereo Radio-ETR type, minimum feature RPO UU9	.2 (0.4)	0 (0)	.2 (0.4)	All models, includes 4-speaker system
AM Stereo/FM Stereo, Clock & Stereo Cassette-ETR Type RPO UX1	.8 (1.8)	.2 (0.4)	1.0 (2.2)	All models, full feature system. Includes U79 premium rear speakers.
Dual Front Coaxial and Dual Rear Standard Range Speakers RPO U64	.4 (0.9)	1.8 (4.0)	2.2 (4.9)	All models
AM/FM Pushbutton Radio RPO U69	.2 (0.4)	0 (0)	.2 (0.4)	All models
Premium Speaker System RPO U79	.6 (1.3)	1.2 (2.6)	1.8 (4.0)	All models, included with UX1 radio
Cooling- Heavy Duty RPO V08	1.0 (2.2)	-.2 (-0.4)	.8 (1.8)	All models, with RPO LR8 engine and without RPO C60
	1.0 (2.2)	-.2 (-0.4)	.8 (1.8)	With RPO LR8 and RPO C60
	4.6 (10.1)	-.8 (-1.8)	3.8 (8.3)	With RPO LE2 & LB6 & without RPO C60
	2.0 (4.4)	-.2 (-0.4)	1.8 (4.0)	With RPO LE2 & LB6 & 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

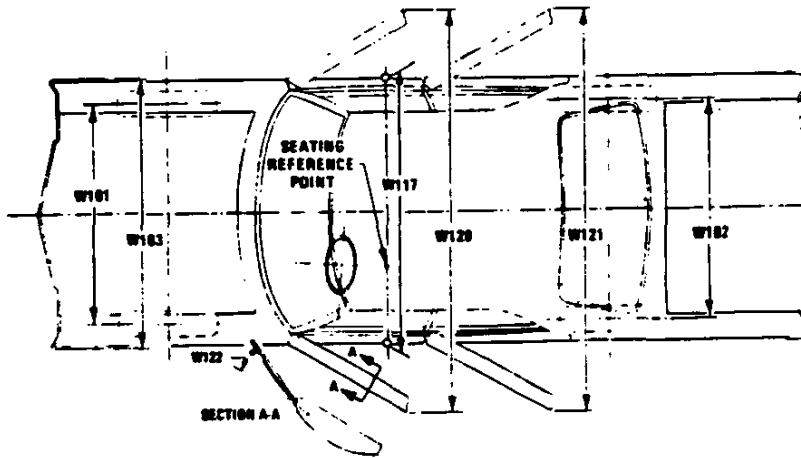
*Also see Engine - General Section for dressed engine mass (weight).

Passenger Car

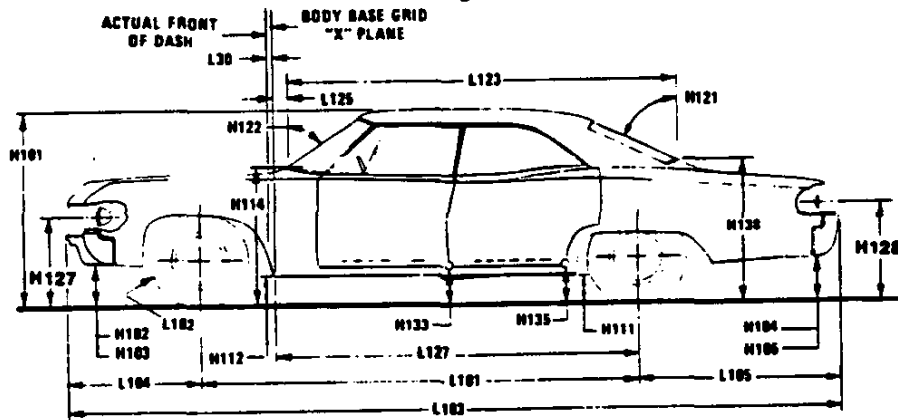
METRIC (U.S. Customary)

Exterior Car And Body Dimensions - Key Sheet

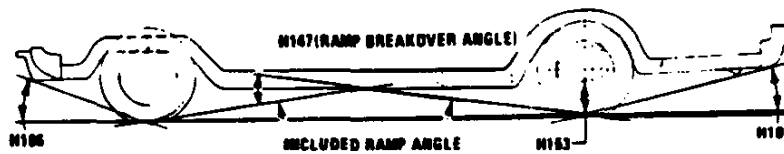
Exterior Width



Exterior Length & Height



Exterior Ground Clearance

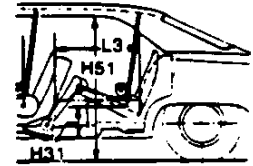
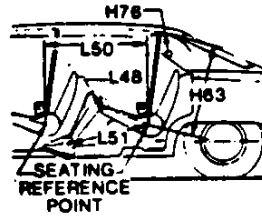
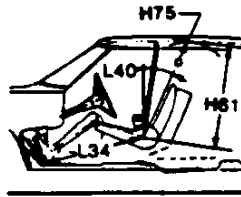
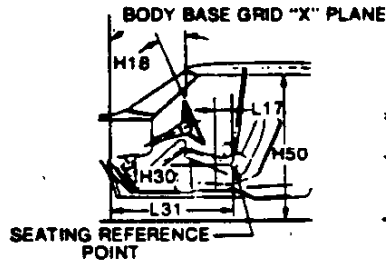


MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

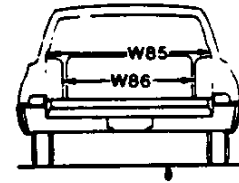
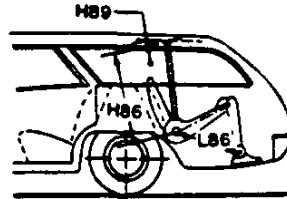
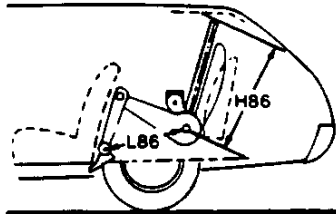
Interior Car And Body Dimensions – Key Sheet

Front Compartment

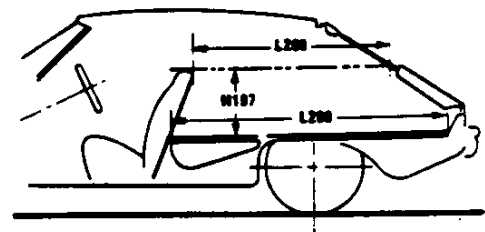
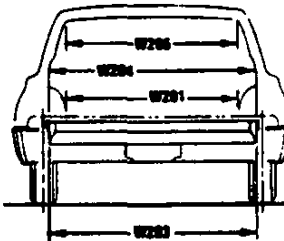
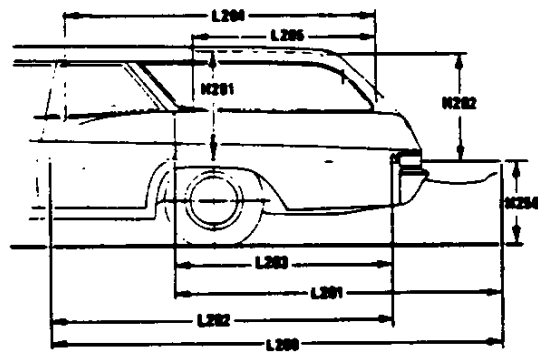
Rear Compartment



Third Seat



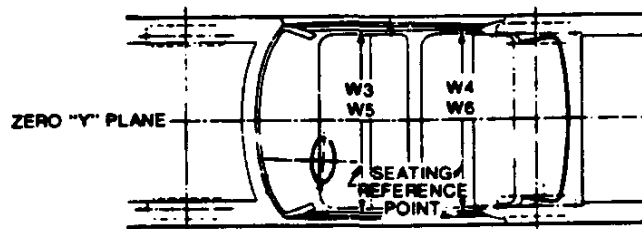
Cargo Space



Hatchback

Station Wagon

Interior Width



MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Exterior Car And Body Dimensions - Key Sheet

Dimensions Definitions

Seating Reference Point

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

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

Width Dimensions

- W101 TREAD-FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD-REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W117 BODY WIDTH AT SgRP-FRONT. The dimension measured laterally between the widest points on the body at the SgRP-front, excluding door handles, applied moldings, or appliques.
- W120 VEHICLE WIDTH-FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.
- W121 VEHICLE WIDTH-REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open positions. 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.
- 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.

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Interior Car And Body Dimensions - Key Sheet

Dimensions Definitions

- 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.
- H50** UPPER BODY OPENING TO GROUND-FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP-front "X" plane.
- H18** STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
- L40** BACK ANGLE-FRONT. The angle measured between a vertical line through the SgRP-front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

Rear Compartment Dimensions

- PD2** PASSENGER DISTRIBUTION-SECOND.
- L50** SgRP COUBLE DISTANCE. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.

- H63** EFFECTIVE HEAD ROOM-SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).
- H76** EFFECTIVE T-POINT HEAD ROOM-SECOND. Measured in the same manner as H75.
- L51** MINIMUM EFFECTIVE LEG ROOM-SECOND. The dimension measured along a line from the ankle pivot center to the SgRP-second plus 254 mm (10.0 in.).
- H31** SgRP-SECOND TO HEEL. The dimension measured vertically from the SgRP-second to the two dimensional device heel point on the depressed floor covering.
- L48** KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 51 mm (2.0 in.).
- L3** COMPARTMENT ROOM-SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.
- W4** SHOULDER ROOM-SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP-second within 254-406 mm (10.0-16.0 in.) above the SgRP-second.
- W6** HIP ROOM-SECOND. Measured in the same manner as W5.
- H51** UPPER BODY OPENING TO GROUND-SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP-second.
- L-41** Same as L-40.

Luggage Compartment Dimensions

- V1** USABLE LUGGAGE CAPACITY-Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100a.
- H195** LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

Interior Volumes (EPA Classification)

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

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

Station Wagon - 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.
- L-88** Same as L-40.

Station Wagon - Cargo Space Dimensions

- L200** CARGO LENGTH-OPEN-FRONT. The minimum dimension measured longitudinally from the back of the front

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Interior Car And Body Dimensions - Key Sheet

Dimensions Definitions

Station wagon - Cargo Space Dimensions (con't.)

- 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 wheelhouseings 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 door 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.

V10 STATION WAGON (REAR OF SECOND SEAT)

Measured in inches:

$$\frac{W4 \times H201 \times L205}{1728} = \text{ft.}^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L205}{10^9} = \text{liters}$$

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.
- H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT: The vertical dimension from the horizontal tangent to top of seatback to undepressed floor covering at zero "Y" plane.
- 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.
- L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT-HATCHBACK. The horizontal dimension from the "X" plane tangent to rearmost surface of second seatback or the load floor which is stowed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "Y" plane.
- L211 CARGO LENGTH AT FLOOR-HATCHBACK-SECOND. The horizontal dimension at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.
- V3 HATCHBACK.
Measured in inches:
$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{ft.}^3$$

Measured in mm:
$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{m}^3 \text{ (cubic meter)}$$
- V11 HATCHBACK (REAR OF SECOND SEAT)
Measured in inches:
$$\frac{W4 \times H198 \times (L210 + L211)}{1728} = \text{ft.}^3$$

Measured in mm:
$$\frac{W4 \times H198 \times (L210 + L211)}{10^9} = \text{liters}$$

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