



MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1988

Manufacturer	Chevrolet Motor Division General Motors Corporation	Vehicle Line	
Mailing Address	Chevrolet-Pontiac-Canada Group Engineering Center General Motors Corporation 30003 Van Dyke Warren, MI 48090-9060	CELEBRITY	
		Issued June, 1987	Revised September, 1987

Direct questions concerning these specifications to the manufacturer listed above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This specification form was developed by the vehicle manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc.

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



Motor Vehicle Manufacturers Association
of the United States, Inc.

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MVMA Specifications Form

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 compilation and are subject to change without notice or incurring obligation by the manufacturer.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.



MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (•) _____

Vehicle Models

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

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

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Power Teams (Indicate whether standard or optional)

SAE J1349 Net bhp (brake horsepower) and net torque 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/D	TRANSMISSION/ TRANSAXLE	Drive Ratios (:1)			
	Displ. Liters (in ³)	Carb. (Barrels, Fl, etc.)	Compr. Ratio	SAE Net at RPM				Overall Veh. Base Drive	Overall Veh. Opt. Drive	Axle Ratio	
				Power kW (bhp)	Torque N·m (lb. ft.)					Overall Veh.	Overall Veh.
Base - All States	L-4 2.5L (151 CID) LR8	EFI *	8.3:1	98 @ 4800	135 @ 3200	S	Auto '125c' (MD9)-Base	2.84	2.84	--	--
Opt. - All States	V6 2.8L (173 CID) LB6	MFI **	8.9:1	125 @ 4500	160 @ 3600	S	Man. 5-Spd. 3.50 Low (MG2)-Base\$\$	3.61	2.60	--	--
							Auto '125c' (MD9)-Opt.%	2.84	2.84		
							Auto '440-T4' (ME9)-Opt.+	3.33	2.33	--	--
* - Electronic Fuel Injection ** - Multi-Port Fuel Injection \$ - Available on Eurosport only % - Not available on Eurosport wagon + - Required on wagons with LB6 engine											

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METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.5 Liter L-4 (151 CID)
 Electronic Fuel Injection
 RPO LR8

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	
Manufacturer	Pontiac	
No. of cylinders	4	
Bore	101.6 (4.0)	
Stroke	76.2 (3.0)	
Bore spacing (C / L to C / L)	111.8 (4.4)	
Cylinder block material & mass kg (lbs.) (machined)	Cast Alloy Iron 42.554 (93.8)	
Cylinder block deck height	236.1 (9.3)	
Cylinder block length	494.79 (19.48)	
Deck clearance (minimum) (above or below block)	.64 (.025)-Below	
Cylinder head material & mass kg (lbs.)	Cast Alloy Iron 18.500 (40.8)	
Cylinder head volume (cm ³)	45.62 (2.78)	
Cylinder liner material	Not Applicable	
Head gasket thickness (compressed)	0.97 (.038)	
Minimum combustion chamber total volume (cm ³) @	70.82 (4.32)	
Cyl. no. system (front to rear)*	L. Bank	1-2-3-4
	R. Bank	--
Firing order	1-3-4-2	
Intake manifold material & mass (kg (lbs.))**	Aluminum Cast 3.500 (7.7)	
Exhaust manifold material & mass (kg (lbs.))**	Stainless Steel 1.980 (4.4)	
Recommended fuel (leaded, unleaded, diesel)	Unleaded	
Fuel antiknock index (R + M) 2	87	
Total dressed engine mass (wt) dry***	158.2 (348.8) Auto.	

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Cast Aluminum Alloy .600 (1.3)
--	--------------------------------

Engine - Camshaft

Location	Right side of block	
Material & mass kg (weight, lbs.)	Cast Iron 3.484 (7.7)	
Drive type	Chain / belt	Gear
	Width / pitch	--

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

** Finished state.

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

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

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

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METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (●) 9-87

Engine Description/Carb.
 Engine Code

2.8 Liter -- V6 (173 CID)
 Multi-Port Fuel Injection
 RPO LB6

ENGINE - GENERAL

Type & description (inline, V, angle, flat, 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	
Manufacturer	Chevrolet	
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 & mass kg (lbs.) (machined)	Cast Alloy Iron 41.731 (91.9)	
Cylinder block deck height	224 (8.819)	
Cylinder block length	435.5 (17.1)	
Deck clearance (minimum) (above or below block)	0.12 (.005) Below	
Cylinder head material & mass kg (lbs.)	Cast Alloy Aluminum 5.300 (11.7)	
Cylinder head volume (cm ³)	--	
Cylinder liner material	Not Applicable	
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	
Intake manifold material & mass (kg (lbs.))**	Cast Aluminum 3.810 (8.4)	
Exhaust manifold material & mass (kg (lbs.))**	Cast Iron LH 2.630 (5.8), RH 3.670 (8.1)	
Recommended fuel (lead, unleaded, diesel)	Unleaded	
Fuel antiknock index (R + M) 2	87	
Total dressed engine mass (wt) dry***	193.8 (427.3) Man. 181.5 (400.1) Auto.	
Engine - Pistons		
Material & mass, g (weight, oz.) - piston only	Cast Aluminum Alloy, .474 (1.04)	
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.

** Finished state.

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

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

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Engine Description/Carb.
 Engine Code

2.5 Liter L4 (151 CID)
 Electronic Fuel Injection
 RPO LR8

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)

Engine - Connecting Rods

Material & mass [kg., (weight, lbs.)]*	Cast Mall. Iron .550 (1.213)
--	------------------------------

Engine - Crankshaft

Material & mass [kg., (weight, lbs.)]*	Modular cast iron/12.519 (27.59)	
End thrust taken by bearing (no.)	5	
<input checked="" type="checkbox"/> Length & number of main bearings	5	
Seal (material, one, two piece design, etc.)	Front	Silicon/one
	Rear	Silicon/one

Engine - Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	2.59 (37.5)
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)

Engine - Diesel Information

Diesel engine manufacturer		
Glow plug, current drain at 0°F		
Injector nozzle	Type	Not
	Opening pressure [kPa (psi)]	Applicable
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
Super charger - manufacturer	Applicable
Charge cooler	

*Finished State

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Engine Description/Carb.
 Engine Code

2.8 Liter V6 (173 CID)
 Multi-Port Fuel Injection
 RPO LB6

Engine - Valve System

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

Engine - Connecting Rods

Material & mass (kg., (weight, lbs.))*	1038 steel/.399 (0.879)
--	-------------------------

Engine - Crankshaft

Material & mass (kg., (weight, lbs.))*	Nodular cast iron/17.125 (37.75)	
End thrust taken by bearing (no.)	3	
Length & number of main bearings	4	
Seal (material, one, two piece design, etc.)	Front	Viton/one
	Rear	Viton/one

Engine - Lubrication System

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

Engine - Diesel Information

Diesel engine manufacturer		
Glow plug, current drain at 0°F		
Injector nozzle	Type	Not
	Opening pressure (kPa (psi))	Applicable
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
Super charger - manufacturer	Applicable
Charge cooler	

*Finished State

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Engine Description/Carb.
 Engine Code

2.5 Liter L4 (151 CID)
 Electronic Fuel Injection
 RPO LR8

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)	91 (195°)		
Water pump	Type (centrifugal, other)	Centrifugal		
	GPM 1000 pump rpm	--		
	Number of pumps	One		
	Drive (V-belt, other)	Single Poly "V" Belt (Serpentine)		
	Bearing type	Sealed double row ball		
	Impeller material	Steel		
	Housing material	Aluminum		
By-pass recirculation (type (inter., ext.))	Internal			
Cooling system capacity	With heater-L.(qt.)	9.24 (9.8) Auto, 9.34 (9.9) Man		
	With air cond.-L.(qt.)	9.48 (10.0) Auto, 9.58 (10.1) Man		
	Opt. equipment (specify-L.(qt.))	9.30 (9.8) Auto, 9.40 (9.9) Man		
Water jackets full length of cyl. (yes, no)	Yes			
Water all around cylinder (yes, no)	Yes			
Water jackets open at head face (yes, no)	Yes			
Radiator core	Std., A/C, HD	Standard	A/C	H.D.
	Type (cross-flow, etc.)	Cross-flow		
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube		
	Material, mass (kg (wgt. lbs.))	Copper-brass, high efficiency radiator		
	Width	430.0	668.0	668.0
	Height	429.7	429.7	429.7
	Thickness	25.0	40.2	40.2
	Fins per inch @	3.5	3.0	3.0
Radiator end tank material	Copper			
Fan	Std., elec., opt.	Standard/Optional		
	Number of blades & type (flex, solid, material)	Standard 4-blade, A/C 7-blade, A/C & HD 5-blade (Plastic)		
	Diameter & projected width	Std. 291.0 (11.5), A/C 352.5 (13.9), A/C & HD 390.5 (15.4)		
	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.

(a) - With rotating reinforcement ring, shrouded.

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Engine Description/Carb.
 Engine Code

2.8 Liter V6 (173 CID)
 Multi-Port Fuel Injection
 RPO LB6

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)	Single Poly "V" Belt (Serpentine)		
	Bearing type	Ball-Roller		
	Impeller material	Cast Iron		
	Housing material	Aluminum		
By-pass recirculation [type (inter., ext.)]		Internal		
Cooling system capacity	With heater—L.(qt.)	11.82 (12.5) Auto		
	With air cond.—L.(qt.)	11.96 (12.6) Auto		
	Opt. equipment [specify—L.(qt.)]	12.16 (12.8) Auto		
Water jackets full length of cyl. (yes, no)		Yes		
Water all around cylinder (yes, no)		Yes		
Water jackets open at head face (yes, no)		--		
Radiator core	Std., A/C, HD	Std.	A/C or V08	A/C and V08
	Type (cross-flow, etc.)	Cross flow		
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube		
	Material, mass [kg (wgt, lbs.)]	Copper/brass high efficiency radiator		
	Width	668.0	668.0	667.5
	Height	429.7	429.7	437.8
	Thickness	25.0	40.2	34.0
	Fins per inch #	4.0	3.0	2.5
Radiator end tank material		Copper		
Std., elec., opt.		Standard, Electric		
Fan	Number of blades & type (flex, solid, material)	Standard 7-blades/A/C 7-blades, A/C & HD 5-blade (Plastic)		
	Diameter & projected width	Standard 352.5 (13.9)/A/C 352.5(13.9) A/C&HD 390.5 (15.4)		
	Ratio (fan to crankshaft rev.)	--		
	Fan cutout type	--*		
	Drive type (direct, remote)	Electric, standard/optional (a)		
	RPM at idle (elec.)	1800		
	Motor rating (wattage) (elec.)	150-W		
	Motor switch (type & location) (elec.)	Engine temperature switch, engine cylinder head		
	Switch point (temp., pressure) (elec.)	110°		
Fan shroud (material)		None		

- # - Distance between top of fins.
- * - Fan is in continuous operation when A/C is on.
- (a) - With rotating reinforcement ring, shrouded.

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Engine Description/Carb.
 Engine Code

2.5 Liter L4 (151 CID)
 Electronic Fuel Injection
 RPO LR8

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	
Manufacturer		Rochester Products	
Carburetor	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.)	Throttle body	
	Constant, pulse, flow	Pulse	
	Control (electronic, mech.)	Electronic	
	System pressure [kPa (psi)]	83.0 (12.0)	
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water	
Air cleaner type	Standard	(*)	
	Optional	--	
Fuel pump	Type (elec. or mech.)	Electrical	
	Location (eng., tank)	Fuel Tank	
	Pressure range [kPa (psi)]	83.0 (12.0)	

Fuel Tank

Capacity (refill L (gallons))		59.4 (15.7) approx	
Location (describe)		Underside - rear center	
Attachment		Underbody strap	
Material & Mass [kg (weight lbs)]		Steel 9.487 (20.9)	
Filler pipe	Location & material	Driver side rear quarter	
	Connection to tank	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)]	"	
	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.

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METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.8 Liter - V6
 Multi-Port Fuel Injection
 RPO LB6

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	
Manufacturer		Rochester Products	
Carburetor	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	
	Constant pulse, flow	Pulse	
	Control (electronic, mech.)	Electronic	
	System pressure (kPa (psi))	--	
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water	
Air cleaner type	Standard	(*)	
	Optional	Not Available	
Fuel pump	Type (elec. or mech.)	Electrical	
	Location (eng., tank)	Fuel Tank	
	Pressure range (kPa (psi))	160.0-250.0 (24.0-37.0)	

Fuel Tank

Capacity (refill L (gallons))		59.4 (15.7) approx.	
Location (describe)		Underside - rear center	
Attachment		Underbody strap	
Material & Mass (kg (weight lbs))		Steel #1008 or 1010 GM-124-M 9.487 (20.9)	
Filler pipe	Location & material	Driver side rear quarter	
	Connection to tank	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.

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METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.5L L-4 (151 CID)
 Electronic Fuel Injection
 RPO LR8

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		CCC control
	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)	Controlled flow
		Exhaust source	Manifold
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold
	Catalytic Converter	Type	Oxidizing & reducing, single bed
		Number of	One
Location(s)		Mounted to underbody	
Volume [L (in ³)]		2.6 (160)	
Substrate type		Pellets	
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)		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) Material & Mass (kg (weight lbs))	One-reverse flow	
Resonator no. & type		None	
*	Exhaust pipe	Branch o.d., wall thickness	--
		Main o.d., wall thickness	50.8 x 1.12 (2.0 x .044)
		Material & Mass (kg (weight lbs))	Stainless steel
*	Intermediate pipe	o.d. & wall thickness	50.8 x 1.12 (2.0 x .044)
		Material & Mass (kg (weight lbs))	Aluminum coated steel
*	Tail pipe	o.d. & wall thickness	50.8 x 1.4 (2.0 x .055)
		Material & Mass (kg (weight lbs))	Aluminum coated steel

* - Purchased as unit: 11.200 (24.7)

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Engine Description/Carb.
 Engine Code

2.8 Liter-V6 (173 CID)
 Multi-Port Fuel Injection
 RPO - LB6

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		CCC control
	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)		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 with cross-over
* Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs)]	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 & Mass [kg (weight lbs)]	Laminated tubing-stainless steel outer, steel inner
* Intermediate pipe	o.d. & wall thickness	57.15 x 0.81 (2.25 x 0.03)
	Material & Mass [kg (weight lbs)]	Aluminum coated steel
* Tail pipe	o.d. & wall thickness	57.15 x 1.10 (2.25 x 0.04)
	Material & Mass [kg (weight lbs)]	Aluminum coated steel (a)

(a) Dual tailpipes on Eurosport Sedan and Coupes
 (Single pipe on wagon).

* - Purchased as unit: 10.319 (22.7)

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (●) 9-87

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.5L L-4 (151 CID)
 Electronic Fuel Injection
 RPO LR8

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

Manual 3-speed (manufacturer/country)	Not Available
Manual 4-speed (manufacturer/country)	Not Available
Manual 5-speed (manufacturer/country)	Not Available
Automatic (manufacturer/country)	Standard
Automatic overdrive (manufacturer/country)	Not Available

Manual Transmission/Transaxle

Number of forward speeds		
Gear ratios	1st	
	2nd	Not
	3rd	Applicable
	4th	
	5th	
	Reverse	
Synchronous meshing (specify gears)		
Shift lever location		
Trans. case mat'l. & mass kg (lbs)*		
Lubricant	Capacity [L (pt.)]	
	Type recommended	

Clutch (Manual Transmission)

Clutch manufacturer		
Clutch type (dry, wet; single, multiple disc)		Not
Linkage (hydraulic, cable, rod, lever, other)		Applicable
Max. pedal effort (nom. spring load, new) N (lbs)	Depressed	
	Released	
Assist (spring, power/percent, nominal)		
Type pressure plate springs		
Total spring load (nominal, new) N (lbs)		
Clutch facing	Facing mfr. & material coding	
	Facing material & construction	
	Rivets per facing	
	Outside x inside dia. (nominal)	
	Total eff. area (cm ² (in. ²))	
	Thickness (pressure plate side/ fly wheel side)	
	Rivet depth (pressure plate side/ fly wheel side)	
	Engagement cushion method	
Release bearing type & method lub.		
Torsional damping method, springs, hysteresis		

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

1988 Format Change

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.8 Liter - V6
 Multi-Port Fuel Injection
 RPO LB6

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

Manual 3-speed (manufacturer/country)	Not Available
Manual 4-speed (manufacturer/country)	"
Manual 5-speed (manufacturer/country)	Standard
Automatic (manufacturer/country)	Optional
Automatic overdrive (manufacturer/country)	"

Manual Transmission/Transaxle (MG2)

Number of forward speeds	5	
Gear ratios	1st	3.50
	2nd	2.05
	3rd	1.38
	4th	0.94
	5th	0.72
	Reverse	3.41
Synchronous meshing (specify gears)	All forward gears	
Shift lever location	Floor	
Trans. case mat'l. & mass kg (lbs)*	Aluminum	
Lubricant	Capacity (L (pt.))	2.55L (5.36 pts.)
	Type recommended	SAE 5W-30 engine oil SF, SF/CC or SF/CD

Clutch (Manual Transmission)

Clutch manufacturer	Belleville	
Clutch type (dry, wet; single, multiple disc)	Single dry disc	
Linkage (hydraulic, cable, rod, lever, other)	Hydraulic	
Max. pedal effort (nom. spring load, new) N (lbs)	Depressed	138 (31.0)
	Released	Not Available
Assist (spring, power/percent, nominal)	None	
Type pressure plate springs	Diaphragm	
Total spring load (nominal, new) N (lbs)	5700 (1281)	
Clutch facing	Facing mfr. & material coding	Valeo - F202
	Facing material & construction	Non-asbestos
	Rivets per facing	16
	Outside x inside dia. (nominal)	232.0 x 155.0 (9.125 x 6.125)
	Total eff. area [cm ² (in. ²)]	232.0 (35.96)
	Thickness (pressure plate side/fly wheel side)	3.43 mm or (0.135 in.) both sides
	Rivet depth (pressure plate side/fly wheel side)	1.40 mm (0.055 in.) both sides
	Engagement cushion method	Driven plate, wave spoke springs

Release bearing type & method lub. Self centering angular contact ball bearing pre-packed & sealed.
 Torsional damping method, springs, hysteresis Coil springs with non-metal friction control

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

1988 Format Change

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.5L L4 (151 CID)
 Electronic Fuel Injection
 RPO LR8

Automatic Transmission/Transaxle

Trade name		3-speed automatic
Type and special features (describe)		Torque converter with clutch 125C
Selector	Location	Column or floor
	Ltr./No. designation	P-R-N-D-2-1
Gear ratios	1st	2.84
	2nd	1.60
	3rd	1.00*
	4th	Not available
	Reverse	2.07
Max. upshift speed - drive range [km/h (mph)]		1-2=76(47), 2-3=124(77)
Max. kickdown speed - drive range [km/h (mph)]		2-1=69(43), 3-2=117(73)
Min. overdrive speed [km/h (mph)]		Not Available
Torque converter	Number of elements	3
	Max. ratio at stall	2.35
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 (9.65)
Lubricant	Capacity [refill L (pt.)]	4.6 (10.0)
	Type Recommended	Dexron II
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard, integral part of radiator
Transmission case material & mass kg (lbs)*		Aluminum

* - Converter clutch engagement

Axle or Front Wheel Drive Unit

Type (front, rear)		Front	
Description		Front differential with helical gears and tapered roller bearings	
Limited slip differential (type)		Not Available	
Drive pinion offset		" "	
Drive pinion (type)		" "	
No. of differential pinions		2	
Pinion / differential (shim, other)		None	
Pinion / differential (shim, other)		Shim	
Driving wheel bearing (type)		Sealed ball bearings (integral part of bolt-in hub units)	
Lubricant	Capacity [L (pt.)]		
	Type recommended		
	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)		2.84
No. of teeth	Pinion or drive gear	35
	Ring gear or gear drive gear	35
Ring gear o.d. or drive gear o.d.		195.2
Transaxle	Transfer gear ratio	--
	Final drive ratio	--

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

1988 Format Change

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.8 Liter V6 (173 CID)
 Multi-Port Fuel Injection
 RPO LB6

Automatic Transmission/Transaxle

Trade name		3-speed automatic	4-speed automatic
Type and special features (describe)		Torque converter with clutch 125C	440-T4
Selector	Location	Column or floor	
	Ltr./No. designation	P-R-N-D-2-1	P-R-N-D-D-2-1
Gear ratios	1st	2.84	2.92
	2nd	1.60	1.56
	3rd	1.00*	1.00*
	4th	Not available	0.70*
	Reverse	2.07	2.38
Max. upshift speed - drive range [km/h (mph)]		1-2=76(47), 2-3=132(82)	1-2=69 (43), 2-3=124 (77)
Max. kickdown speed - drive range [km/h (mph)]		3-2=125(78), 2-1=66(41)	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	2.35	1.95
	Type of cooling (air, liquid)	Liquid	
Lubricant	Nominal diameter	245 (9.65)	
	Capacity (refill L (pt.))	4.6 (10.0)	3.0 (6.0)
	Type Recommended	Dextron II	
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard, integral part of radiator	
<input checked="" type="checkbox"/> Transmission case material & mass kg (lbs)*		Aluminum	

* - Converter clutch engagement

Axle or Front Wheel Drive Unit

Type (front, rear)		Front		
Description		Front differential with helical gears and tapered roller bearings		
Limited slip differential (type)		Not Available		
Drive pinion offset		" "		
Drive pinion (type)		" "		
No. of differential pinions		2		
Pinion / differential (shim, other)		None		
Pinion / differential (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)		2.84	3.33
No. of teeth	Pinion (Drive Gear)	35	
	Ring gear or (Drive Gear)	35	
Ring gear o.d. (Pitch Dia.)*		195.2	
Transaxle	Transfer gear ratio	--	
	Final drive ratio	--	

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

1988 Format Change

* - Driven gear

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.5L L4 (151 CID)
 Electronic Fuel Injection
 RPO LR8

Axle Shafts – Front Wheel Drive

Manufacturer and 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	23.8 x 306.1 x solid @ (1)
		Right	23.8 x 421.0 x solid @ (1)
	Optional transmission	Left	None
		Right	None
Slip yoke	Type	None	
	Number of teeth	None	
	Spline o.d.	None	
Universal joints	Make and mfg. no.	Inner	Saginaw
		Outer	Saginaw
	Number used	Four 2 each shaft	
	Type, size, plunge	Inner	Tripot (2)
		Outer	Rzeppa, fixed (2)
	Attach (u-bolt, clamp, etc.)	Splined/snap ring (inner joint) - Splined/nut (outer joint)	
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.

(1) Heavy duty suspension = Left - 27.05 x 300.0%
 Right - 27.05 x 418.0%

(2) Plunge = Left - 26.83 Right - 24.58 Size = 23
 Heavy Left - 34.1 Right - 33.9 27

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.8 Liter - V6
 Multi-Port Fuel Injection
 RPO LB6

Axle Shafts – Front Wheel Drive

Manufacturer and 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	21.05 x 308.0 x solid (1)	
		Right	27.05 x 720.0 x solid (1)	
	Automatic transmission 3-Spd.	Left	27.05 x 300.0 x solid (2)	
		Right	27.05 x 418.0 x solid (2)	
	Optional transmission Auto 4-Spd.	Left	27.05 x 292.7 x solid (3)	
		Right	27.05 x 379.6 x solid (3)	
Slip yoke	Type	None		
	Number of teeth	None		
	Spline o.d.	None		
Universal joints	Make and mfg. no.	Inner	Saginaw	
		Outer	Saginaw	
	Number used	Four, two each shaft		
	Type, size, plunge	Inner	(4)	
		Outer	Rzeppa, fixed	
	Attach (u-bolt, clamp, etc.)	Splined/snap ring (inner joint)-Splined/nut (outer joint)		
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 = 2700 N.m.

- (1) Heavy duty = Left - 27.05 x 315.5 x solid
 Right - 27.05 x 720.0 x solid
- (2) Heavy duty = Left - 27.05 x 300.0 x solid
 Right - 27.05 x 418.0 x solid
- (3) Heavy duty = Left - 27.05 x 300.0 x solid
 Right - 27.05 x 382.0 x solid
- (4) Plunge

	Type	Size
	Inner	Inner Outer
Manual, Left - 30.60	CG	27 27H
Heavy Manual, Left - 30.59	CG	27 27
3-Spd Auto, Left - 26.84	TP	27 27H
Heavy 3-Spd Auto, Left - 35.71	TP	27 27
4-Spd Auto, Left - 29.1	TP	27 27H
Heavy 4-Spd Auto, Left - 29.1	TP	27 27

CG = Cross Groove

TP = Tri-Pot

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

METRIC (U.S. Customary)

Body Type And/Or
 Engine Displacement

A11

Suspension - General

Car leveling	Std./opt./n.a.	Not Available on 1AW19, 27; Rear shocks opt. on 1AW35
	Type (air, hyd., etc.)	Air Inlatable
	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: 32 (1.26); Rear: 25 (1.00)
	Rod diameter	Front 20.0 (.80), rear 12.5 (.50)

Suspension - Front

Type and description		MacPherson strut with coil springs, stamped lower control arms and nodular iron steering knuckles
Travel	Full jounce	102.0 mm (4.0 in.)
	Full rebound	77.0 mm (3.0 in.)
Spring	Type (coil, leaf, other) & material	Coil, steel
	Insulators (type & material)	Upper, natural rubber
	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. F41-6 cyl 16.0 (91.0)*
	Spring rate [N/mm (lb./in.)]	Base 4/6 cyl 14.5 (83.0) F40 23.5 (134.0) F41-4 cyl 14.5 (83.0)*
	Rate at wheel [N/mm (lb./in.)]	Base 17.6 (100.0) F40-26.08 (149.0) F41-19.0 (108.0)
Stabilizer	Type (link, linkless, frameless)	Linkless
	Material & bar diameter	Steel; Base 22mm(0.87), ZV8-27mm(1.1), wagon 24mm (0.94)

Suspension - Rear

Type and description		Trailing arm with stamped control arms and open section transverse beam
Travel	Full jounce	138mm (5.4 in.)
	Full rebound	62mm (2.4 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), wagon 48.3(276.0)
	Rate at wheel [N/mm (lb./in.)]	Base & F41-15.5 (88.7), F40-22.72 (130.0), wagon 27.1(155.0)
	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 (specific design with F41)
	Material & bar diameter	Steel, 20 mm (.79)
Track bar (type)		Transverse link-open section

* Wagon-Base 4 cyl. 16.0 (91.0) 6 cyl. 19.5 (111.4) F40 4/6 cyl. 23.5 (134.0) F41-4 cyl. 16.0 (91.0) 6 cyl. 19.5 (111.4)

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e)

Body Type And/Or
 Engine Displacement

Coupe & Sedan JAI
 Light Duty

Brakes - Service

Description		Single caliper disc front, duo-servo drum rear		
Manufacturer and 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, Failure Warning		
Power brake (std., opt., n.a.)		Standard		
Booster type (remote, integral, vac., hyd., etc.)		Tandem Vacuum		
Vacuum source (inline, pump, etc.)		Inline		
Vacuum reservoir (volume in. ³)		None		
Vacuum pump-type (elec. gear driven, belt driven, if other so state)		Not Available		
Anti-lock device type (std., opt., n.a.) (F/R)		Not Available		
Effective area [cm ² (in. ²)]*		F2 14cm ² (33.2 in. ²)/R 325 cm ² (50.4 in. ²)		
Gross lining area [cm ² (in. ²)]**(F/R)		F 239cm ² (37.0 in. ²)/R 338 cm ² (52.4 in. ²)		
Swept area [cm ² (in. ²)]*** (F/R)		F 1161cm ² (180 in. ²)/R 636 cm ² (98.5 in. ²)		
Rotor	Outerworking diameter	F/R	247mm (9.72 in)	
	Inner working diameter	F/R	155mm (6.10 in)	
	Thickness	F/R	22.2mm (.87 in)	
	Material & type (vented/solid)	F/R	Cast Iron Vented	
Drum	Diameter & width	F/R	225mm	
	Type and material	F/R	Composite Cast Iron	
Wheel cylinder bore		F 57mm (2.25 in.) Rear 17.5mm (.69 in.)		
Master cylinder	Bore/stroke	F/R	22.2mm (.87 in.)/35.7mm (1.41 in.)	
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 0/.381	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Integrally Molded
		Rivet size		5.33 x 9.63mm (0.210 x 0.379)
		Manufacturer		Delco Moraine
		Lining code*****		DM 127 FF
		Material		Semi-Metallic
		****	Primary or out-board	125mm x 46mm x 95mm (4.9 in. x 1.81 in. x .37 in.)
	Size	Secondary or in-board	125mm x 46mm x 10.3mm (4.9 in. x 1.81 in. x .41 in.)	
	Shoe thickness (no lining)		Inboard 5	
	Rear wheel	Bonded or riveted (rivets/seg.)		Riveted
		Manufacturer		Inland
		Lining Code*****		235 FF
		Material		Organic
****		Primary or out-board	176 X 44 X 6	
Size		Secondary or in-board	208 X 44 X 7.6	
Shoe thickness (no lining)		2		

*Excludes rivet holes, grooves, chamfers, etc.

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

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

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

*****Manufacturer I.D., catalog or formulation designation and coefficient of friction classification.

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

METRIC (U.S. Customary)

Body Type And/Or
 Engine Displacement

Coupe & Sedan JAB
 Medium Duty

Brakes - Service

Description			Single caliper disc front, duo-servo drum rear
Manufacturer and 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, Failure Warning
Power brake (std., opt., n.a.)			Standard
Booster type (remote, integral, vac., hyd., etc.)			Tandem Vacuum
Vacuum source (inline, pump, etc.)			Inline
Vacuum reservoir (volume in. ³)			None
Vacuum pump-type (elec. gear driven, belt driven, if other so state)			Not Available
Anti-lock device type (std., opt., n.a.) (F/R)			Not Available
Effective area [cm ² (in. ²)]*			F 215.5cm ² (33.4 in. ²)/R 325 cm ² (50.4 in. ²)
Gross lining area [cm ² (in. ²)]**(F/R)			F 215.5cm ² (33.4 in. ²)/R 338 cm ² (52.4 in. ²)
Swept area [cm ² (in. ²)]*** (F/R)			F 1173cm ² (181.8 in. ²)/R 636 cm ² (98.5 in. ²)
Rotor	Outerworking diameter	F/R	260.0mm (10.24 in.)
	Inner working diameter	F/R	179.2mm (7.1 in.)
	Thickness	F/R	26.0mm (1.02 in.)
	Material & type (vented/solid)	F/R	Cast Iron Vented
Drum	Diameter & width	F/R	225mm
	Type and material	F/R	Composite Cast Iron
Wheel cylinder bore			F 64mm (2.52 in.)/R 17.5mm (.69 in.)
Master cylinder	Bore/stroke	F/R	24.0mm (.94 in.)/35.7mm (1.41 in.)
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 0/.381
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Integrally Molded
		Rivet size	5.33 x 9.63mm (0.210 x 0.379)
		Manufacturer	Delco Moraine
		Lining code*****	DM 127 EE
		Material	Semi-Metallic
		**** Primary or out-board	142mm x 40mm x 8.0mm (5.59 in. x 1.57 in. x .31 in.)
		Size Secondary or in-board	122mm x 46mm x 11.0mm (4.80 in. x 1.81 in. x .43 in.)
	Shoe thickness (no lining)	Inboard 5	
	Rear wheel	Bonded or riveted (rivets/seg.)	Riveted
		Manufacturer	Inland
		Lining Code*****	235 EE
		Material	Organic
		**** Primary or out-board	176 X 44 X 6
		Size Secondary or in-board	208 X 44 X 7.6
Shoe thickness (no lining)		2	

*Excludes rivet holes, grooves, chamfers, etc.

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

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

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

*****Manufacturer I.D., catalog or formulation designation and coefficient of friction classification.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (•) _____

Body Type And/Or
 Engine Displacement

Coupe & Sedan JA2
 Heavy Duty

Brakes - Service

Description			Single caliper disc front, duo-servo drum rear	
Manufacturer and 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, Failure Warning	
Power brake (std., opt., n.a.)			Standard	
Booster type (remote, integral, vac., hyd., etc.)			Tandem Vacuum	
Vacuum source (inline, pump, etc.)			Inline	
Vacuum reservoir (volume in. ³)			None	
Vacuum pump-type (elec, gear driven, belt driven, if other so state)			Not Available	
Anti-lock device type (std., opt., n.a.) (F/R)			Not Available	
Effective area [cm ² (in. ²)]*			F 215.5cm ² (33.4 in ²)/R 325 cm ² (50.4 in ²)	
Gross lining area [cm ² (in. ²)]**(F/R)			F 215.5cm ² (33.4 in ²)/R 338 cm ² (52.4 in ²)	
Swept area [cm ² (in. ²)]*** (F/R)			F 1173cm ² (181.8 in ²)/R 636 cm ² (98.5 in ²)	
Rotor	Outerworking diameter	F/R	260.0mm (10.24 in.)	
	Inner working diameter	F/R	179.2mm (7.1 in.)	
	Thickness	F/R	26.0mm (1.02 in.)	
	Material & type (vented/solid)	F/R	Cast Iron Vented	
Drum	Diameter & width	F/R	225mm	
	Type and material	F/R	Composite Cast Iron	
Wheel cylinder bore			F 64mm (2.52 in.)/R 19.0mm (.75 in.)	
Master cylinder	Bore/stroke	F/R	24.0mm (.94 in.)/35.71mm (1.41 in.)	
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 0/.381	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Integrally Molded
		Rivet size		5.33 x 9.63mm (0.210 x 0.379)
		Manufacturer		Delco Moraine
		Lining code*****		DM 127 FF
		Material		Semi-Metallic
		****	Primary or out-board	142mm x 40mm x 8.0mm (5.59 in. x 1.57 in. x .31 in.)
		Size	Secondary or in-board	122mm x 46mm x 11.0mm (4.80 in. x 1.81 in. x .43 in.)
	Shoe thickness (no lining)		Inboard 5	
	Rear wheel	Bonded or riveted (rivets/seg.)		Riveted
		Manufacturer		Inland
		Lining Code*****		235 FF
		Material		Organic
		****	Primary or out-board	176 X 44 X 6
		Size	Secondary or in-board	208 X 44 X 7.6
Shoe thickness (no lining)		2		

*Excludes rivet holes, grooves, chamfers, etc.

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

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

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

*****Manufacturer I.D., catalog or formulation designation and coefficient of friction classification.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (•) _____

Body Type And/Or
 Engine Displacement

Wagon JA8
 Medium Duty

Brakes - Service

Description		Single caliper disc front, duo-servo drum rear		
Manufacturer and 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, Failure Warning		
Power brake (std., opt., n.a.)		Standard		
Booster type (remote, integral, vac., hyd., etc.)		Tandem Vacuum		
Vacuum source (inline, pump, etc.)		Inline		
Vacuum reservoir (volume in. ³)		None		
Vacuum pump-type (elec. gear driven, belt driven, if other so state) -		Not Available		
Anti-lock device type (std., opt., n.a.) (F/R)		Not Available		
Effective area [cm ² (in. ²)]*		F 215.5cm ² (33.4 in ²)/R 325 cm ² (50.4 in ²)		
Gross lining area [cm ² (in. ²)]**(F/R)		F 215.5cm ² (33.4 in ²)/R 338 cm ² (52.4 in ²)		
Swept area [cm ² (in. ²)]*** (F/R)		F 1173cm ² (181.8 in ²)/R 636 cm ² (98.5 in ²)		
Rotor	Outerworking diameter	F/R	260.0mm (10.24 in.)	
	Inner working diameter	F/R	179.2mm (7.1 in.)	
	Thickness	F/R	26.0mm (1.02 in.)	
	Material & type (vented/solid)	F/R	Cast Iron Vented	
Drum	Diameter & width	F/R	225mm	
	Type and material	F/R	Composite Cast Iron, Finned	
Wheel cylinder bore		F 64mm (2.52 in.)/R 20.6mm (.81 in.)		
Master cylinder	Bore/stroke	F/R	24.0mm (.94 in.)/35.71mm (1.41 in.)	
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 0/.381	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Integrally Molded
		Rivet size		5.33 x 9.63mm (0.210 x 0.379)
		Manufacturer		Delco Moraine
		Lining code*****		DM 127 EE
		Material		Semi-Metallic
		****	Primary or out-board	142mm x 40mm x 8.0mm (5.59 in. x 1.57 in. x 31 in.)
	Size	Secondary or in-board	122mm x 46mm x 11.0mm (4.80 in. x 1.81 in. x 43 in.)	
	Shoe thickness (no lining)		Inboard 5	
	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	
Size		Secondary or in-board	208 X 44 X 7.6	
Shoe thickness (no lining)		2		

*Excludes rivet holes, grooves, chamfers, etc.

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

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

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

*****Manufacturer I.D., catalog or formulation designation and coefficient of friction classification.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (•) _____

Body Type And/Or
 Engine Displacement

Wagon JA2
 Heavy Duty

Brakes - Service

Description		Single caliper disc front, duo-servo drum rear		
Manufacturer and 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, Failure Warning		
Power brake (std., opt., n.a.)		Standard		
Booster type (remote, integral, vac., hyd., etc.)		Tandem Vacuum		
Vacuum source (inline, pump, etc.)		Inline		
Vacuum reservoir (volume in. ³)		None		
Vacuum pump-type (elec. gear driven, belt driven, if other so state)		Not Available		
Anti-lock device type (std., opt., n.a.) (F/R)		Not Available		
Effective area [cm ² (in. ²)]*		F 215.5cm ² (33.4 in. ²)/R 325 cm ² (50.4 in. ²)		
Gross lining area [cm ² (in. ²)]**(F/R)		F 215.5cm ² (33.4 in. ²)/R 338 cm ² (52.4 in. ²)		
Swept area [cm ² (in. ²)]*** (F/R)		F 1173cm ² (181.8 in. ²)/R 636 cm ² (98.5 in. ²)		
Rotor	Outerworking diameter	F/R	260.0mm (10.24 in.)	
	Inner working diameter	F/R	179.2mm (7.1 in.)	
	Thickness	F/R	26.0mm (1.02 in.)	
	Material & type (vented/solid)	F/R	Cast Iron Vented	
Drum	Diameter & width	F/R	225mm	
	Type and material	F/R	Composite Cast Iron, finned	
Wheel cylinder bore		F 64mm (2.52 in.)/R 19.0mm (.75 in.)		
Master cylinder	Bore/stroke	F/R	24.0mm (.94 in.)/35.71mm (1.41 in.)	
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 0/.381	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Integrally Molded	
		Rivet size	5.33 x 9.63mm (0.210 x 0.379)	
		Manufacturer	Delco Moraine	
		Lining code*****	DM 127 EE	
		Material	Semi-Metallic	
		**** Primary or out-board	142mm x 40mm x 8.0mm (5.59 in. x 1.57 in. x .31 in.)	
	Size Secondary or in-board	122mm x 46mm x 11.0mm (4.80 in. x 1.81 in. x .43 in.)		
	Shoe thickness (no lining)		Inboard 5	
	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		
Size Secondary or in-board		208 X 44 X 7.6		
Shoe thickness (no lining)		2		

*Excludes rivet holes, grooves, chamfers, etc.

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

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

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

*****Manufacturer I.D., catalog or formulation designation and coefficient of friction classification.

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (●) _____

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement	Sedan, Coupe & Station Wagon	Eurosport (RPO ZV8)
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Tires And Wheels (Standard)

Tires	Size (load range, ply)	P185/75R14, BW*	P195/75R14, BW*	
	Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial	Steel Belted Radial	
	Inflation pressure (cold) for recommended max. vehicle load	Front (kPa (psi))	240 (35)	240 (35)
		Rear (kPa (psi))	240 (35)	240 (35)
	Rev./mile—at 70 km/h (45 mph)	525	508	
Wheels	Type & material	Steel	Steel	
	Rim (size & flange type)	14 x 5.5	14 x 6.5	
	Wheel offset	42.0 (1.65)	42.0 (1.65)	
	Attachment	Type (bolt or stud)	Stud	Stud
		Circle diameter	100.0 (3.94)	100.0 (3.94)
		Number & size	5, M12 x 1.5	5, M12 x 1.5
Spare	Tire and wheel (same size, if other describe)	T125/70D15 B.W. compact spare, bias ply nylon. Wheel dia. x width 15x4, inflation pressure (60psi/415 Kpa)		
	Storage position & location (describe)	Horizontal, under load floor, except wagon which is stowed vertically in R.H. quarter area, behind wheelhouse.		

Tires And Wheels (Optional)

Tire size (load range, ply)	P185/75R14, WS*	P195/70R14, BW*
Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial	Steel Belted Radial, (Non-All Seasons)
Wheel (type & material)	Steel	Aluminum
Rim (size, flange type and offset)	14 x 5.5, 42.0	14 x 6.5, 34.0
Tire size (load range, ply)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Tire size (load range, ply)	P195/75R14, BW*	
Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial	
Wheel (type & material)	Steel	
Rim (size, flange type and offset)	14 X 6.5, 42.0	
Tire size (load range, ply)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Spare tire and wheel (size) <small>(if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)</small>		

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

Brakes - Parking

Type of control	Foot pedal-application; "T" handle - release	
Location of control	Under instrument panel, left of steering column	
Operates on	Rear service brakes	
If separate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (●) 9-87

Body Type And/Or
 Engine Displacement

All

Steering

Manual (std., opt., n.a.)			Not Available	
Power (std., opt., n.a.)			Standard	
Adjustable steering wheel/column (tilt, telescope, other)	Type	Tilt		
	Manufacturer	Saginaw Steering Gear		
	(Std., opt., n.a.)	Optional		
Wheel diameter** (W9) SAE J1100	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	
		Manufacturer	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	
	Manufacturer		Saginaw Steering Gear	
	Gear	Type	Rack and pinion with Integral Power Unit	
		Ratios	Gear	"c" Factor=45.13 mm per degree of revolution (17.56:1 ratio)
			Overall	15.7:1 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	
	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/hub	Diameter	Inner bearing	Not applicable to integral bearings. Service only.	
		Outer bearing	Assembly	
	Thread (size)		Not applicable	
	Bearing (type)		Integral double row ball, permanently lubricated	

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

**See Page 21.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (•) _____

Body Type And/Or
 Engine Displacement

A11

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	1.7° +/- 1.0°
		Camber (deg.)	0.0° +/- 1.0° left & right side should be equal
		Toe-in (outside track-mm (in.))	0.0° +/- 0.4° total within 1.0°
	Service reset*	Caster	Not adjustable
		Camber	0.0° +/- 0.5° left & right side should be equal
		Toe-in	0.0° +/- 0.2° total within 0.5°
	Periodic M.V. inspection	Caster	Not adjustable
		Camber	0.0° +/- 1.0°
		Toe-in	0.0° +/- 0.4° total
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	Not Available
		Toe-in (outside track-mm (in.))	"
	Service reset*	Camber	"
		Toe-in	"
	Periodic M.V. inspection	Camber	"
		Toe-in	"

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

Electrical – Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	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 (light, audible)	Not Available
Temperature indicator	Type	Tell-tale warning light
	Warning device (light, audible)	Not Available
Oil pressure indicator	Type	Tell-tale warning light
	Warning device (light, audible)	Not Available
Fuel indicator	Type	Electric gauge with pointer
	Warning device (light, audible)	Not Available
Wind-shield wiper	Type (standard)	Electric two-speed, non-articulated
	Type (optional)	Intermittent
	Blade length	457.2 (18.0)
	Swept area (cm ² (in. ²))	5751 (891.6)
Wind-shield washer	Type (standard)	Electric, integral pump/motor, dual nozzle fan spray
	Type (optional)	Not Available
	Fluid level indicator (light, audible)	Not Available
Rear window wiper, wiper/washer (std., opt., n.a.)		Optional wagon
Horn	Type	Electric vibrator
	Number used	Two, A & F notes standard
Other		Standard: restraint system warning light and buzzer, parking brake and brake failure warning light Optional: voltmeter, oil pressure, coolant temperature gages, clock (with radio), tachometer, rear window defogger indicator light, tailgate window wiper/washer.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

Engine Description/Carb.
 Engine Code

2.5L L4 (151 CID)
 Electronic Fuel Injection
 RPO LR8

Electrical – Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	75-630, N.A., Opt.
	Voltage	12 Volt
	Amps at 0°F cold crank	630 Std, N.A. Opt.
	Minutes-reserve capacity	90 Std, N.A. Opt.
	Amp/hrs. - 20 hr. rate	--
	Location	Engine compartment
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	85 amp (30 amp @ idle)
	Ratio (alt. crank/rev.)	Not Available
	Output at idle (rpm, park)	
	Optional (type & rating)	None
Regulator	Type	Integral with Alternator

Electrical – Starting System

Start, motor	Current drain at 0°F	270 @ -20°F
Motor drive	Engagement type	Overrunning clutch
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Electronic (std., opt., n.a.)	Not Available	
	Other (specify)	Computer controlled coil ignition (C ³ I)	
Coil	Make	Delco Remy	
	Model	Not Available	
	Current	Engine stopped - A	Not Available
		Engine idling - A	Not Available
Spark plug	Make	AC	
	Model	R44TSX	
	Thread (mm)	14	
	Tightening torque (N·m (lb, ft))	20 (15)	
	Gap	1.52 (.060)	
	Number per cylinder	One	
Distributor	Make	Not Applicable	
	Model	Not Applicable	

Electrical – Suppression

Locations & type Internal alternator 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.

⊗ 1988 Format Change

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (#) _____

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.8 Liter - V6
 Multi-Port Fuel Injection
 RPO LB6

Electrical - Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	70-525 (Std.), 75-570 (Opt.)
	Voltage	12 Volts
	Amps at 0°F cold crank	525 (Std.), 570 (Opt.)
	Minutes-reserve capacity	75 (Std.), 90 (Opt.)
	Amp/hrs. - 20 hr. rate -	--
	Location	Engine compartment
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	(a,b,c)
	Ratio (alt. crank/rev.)	Not Available
	Output at idle (rpm, park)	
	Optional (type & rating)	None
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	Electronic (std., opt., n.a.)	Not Applicable	
	Other (specify)	Computer controlled coil ignition (C ³ I)	
Coil	Make	Delco Remy	
	Model	1115463	
	Current	Engine stopped - A	Not Available
		Engine idling - A	Not Available
Spark plug	Make	AC	
	Model	R43TLSE	
	Thread (mm)	M14 x 1.25	
	Tightening torque [N·m (lb, ft)]	9-20 (7-15)	
	Gap	1.143 (.045)	
	Number per cylinder	One	
Distributor	Make	Not Applicable	
	Model	Not Applicable	

Electrical - Suppression

Locations & type Internal alternator 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

- Ø 1988 Format Change
- (a) - 85 amp with heater, (30 amp @ idle)
 - (b) - 85 amp with heater and heated backlite, (30 amp @ idle)
 - (c) - 100 amp with A/C, (36 amp @ idle)

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 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

Structure	Integral steel body/frame construction incorporating welded front end structural framing for mounting front sheet metal, Halo roof design, double panel deck lid (sedan, coupe). Slim profile door construction with
Bumper system front - rear	rolled-section upper frame; bolted-on hinges.
Anti-corrosion treatment	Steel facebar/impact bar design supported by energy absorbing cylinders for impact management.
	High level of corrosion protection through extensive use of zinc-rich precoated metal and underbody primer, augmented by wax-base spray on doors, deck lid lower surfaces and hinge pillars. Plastisol applied to selected lower body areas.

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)	Acrylic, 13% solution lacquer or high solids base coat/ clear coat	
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 (sedan)
	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
Tailgate	Type (drop, lift, door)	Lift window, drop door
	Internal release control (elec., mech., n.a.)	Internal release, electric (optional)
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Molded polyurethane padding
	Rear	Molded polyurethane padding
	3rd seat	--
Seat back type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Molded polyurethane padding
	Rear	Molded polyurethane padding
	3rd seat	--
		Rear quarter, pivot
		Molded poly, padding
		Molded poly, padding
		Molded poly, padding

⊗ 1988 Format Change

MVMA Specifications Form
METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (●) _____

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

Active restraint system	Standard/optional	Standard
	Type and description	3 point shoulder and lap belt for driver and R.H. frt, and rear seat outboard pass. Lap belt for all other positions, secured by buckle
	Location	Front-(3); Rear-(3); Station wagon 3rd seat - (2) w/push button release
Passive seat belts	Standard/optional	Not Available
	Power/manual	"
	2 or 3 point	"
	Knee bar/lap belt	"

Frame

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

Glass	SAE Ref. No.			
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)	11254 (1744.4)	17738 (2749.4)
Backlight glass exposed surface area [cm ² (in. ²)]	S3	3550 (550.2)		5837 (904.7)
Total glass exposed surface area [cm ² (in. ²)]	S4	23487 (3640.5)	23329 (3616.0)	32100 (4975.5)
Windshield glass (type)		Curved - Tempered and Laminated Plate		
Side glass (type)		Curved - Tempered Plate		
Backlight glass (type)		Curved - Tempered Plate		

MVMA Specifications Form
METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 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 included with standard radios & optional stereo	
Compass / thermometer	Not Available	
Console (floor, overhead)	Optional (floor) included w/optional bucket & 45/45 seats	
Defroster, elec. backlight	Optional	
Electronic	Diagnostic monitor (integrated, individual)	Not Available
	Instrument cluster (list instruments)	"
	Keyless entry	"
	Trip/finder (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 (included with auxiliary lighting package)
	Door lock, ignition	"
	Engine compartment	"
	Fog	Not Available
	Glove compartment	Standard
	Trunk	Optional
	Other	Ash tray lamp - standard
	--	
Mirrors	Day/night (auto. man.)	Standard - manual
	L.H. (remote, power, heated)	Standard - remote
	R. H. (convex, remote, power, heated)	Standard - remote convex
	Visor vanity (RH / LH, illuminated)	Optional - RH non-illuminated
Parking brake-auto release (warning light)	Warning light, standard	
Power equipment	Door locks / deck lid - specify	Optional-power-both door & deck lid & wagon gate release
	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	"
		--
Radio systems	Antenna (location, whip, w/shield, power)	Mast, fender
	AM, FM, stereo, tape, CB	Base AM/FM stereo, optional AM/FM cassette
	Speaker (number, location) Premium sound	Standard, extended range rear
Roof open air (fixed, flip-up, sliding, "T")	Not Available	
Speed control device	Optional, includes resume speed & acceleration feature	
Speed warning device (light, buzzer, etc.)	Not Available	
Tachometer (rpm)	Optional	
Telephone system - mobile		
Theft protection-type	Lock mounted on steering column; locks steering wheel, transmission shift level and ignition.	

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (#) _____

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

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

Body Type	SAE Ref. No.	2-Door Notchback Coupe 1AW27	4-Door Notchback Sedan 1AW19	4-Door Station Wagon 1AW35
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)	
Front fender overall width	W106	1760 (69.3)		
Rear fender overall width	W107	1760 (69.3)	1757 (69.2)	1744 (68.7)
Tumble-home (deg.)	W122	21.5		

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)	
Front end length at centerline	L126			
Rear end length at centerline	L129	804 (31.7)	802 (31.6)	13 (0.5)

Height*

Passenger distribution (front/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)
Windshield slope angle	H122	58.0	57.0	
Backlight slope angle	H121	35.0	34.5	47.0

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°
Axle differential to ground (front / rear)	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 measured at the Manufacturer's Design Load Weight.
 Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load, unless otherwise specified.
 All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

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

Sg RP front, "X" coordinate	L31	1138 (44.8)		
Effective head room	H61	980 (38.6)		
Max. eff. leg room (accelerator)	L34	1070 (42.1)		
SgRP to heel point	H30	258 (10.2)		
SgRP to heel point	L53	862 (33.9)		
Back angle	L40	26.0		
Hip angle	L42	99.5	99.0	
Knee angle	L44	127.0		
Foot angle	L46	87.0		
Design H-point front travel	L17	192 (7.6)		
Normal driving & riding seat track trvl.	L23	172 (6.8)		
Shoulder room	W3	1421 (55.9)	1427 (56.2)	
Hip room	W5	1329 (52.3)	1330 (52.4)	
Upper body opening to ground	H50			
Steering wheel maximum diameter*	W9	375 (14.8)		
Steering wheel angle	H18	22.0		
Accel. heel pt. to steer. whl. cntr	L11			
Accel. heel pt. to steer. whl. cntr	H17			
Steering wheel to C/ L of thigh	H13	98 (3.9)	95 (3.7)	
Steering wheel torso clearance	L7	364 (14.3)	365 (14.4)	
Headlining to roof panel (front)	H37	13 (0.5)	12 (0.5)	
Undepressed floor covering thickness	H67	15 (0.6)		

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 (38.9)
Min. effective leg room	L51	910 (35.8)	925 (36.4)	903 (35.6)
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 (28.0)
Shoulder room	W4	1447 (57.0)	1427 (56.2)	
Hip room	W6	1362 (53.6)	1338 (52.7)	
Upper body opening to ground	H51			
Back angle	L41	24.5		
Hip angle	L43	83.5	84.5	83.0
Knee angle	L45	91.5	94.5	90.6
Foot angle	L47	128.5	130.0	127.0
Headlining to roof panel (second)	H38	14 (0.6)	13 (0.5)	14 (0.6)
Depressed floor covering thickness	H73	18 (0.7)	19 (0.7)	18 (0.7)

Luggage Compartment

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

Interior Volumes (EPA Classification)

Vehicle class (subcompact, compact, etc.)		Mid-size		
Interior volume index (cu. ft.)		97.4	97.9	
Trunk/cargo index (cu. ft.)		16.2		41.6

* See page 14.

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	4-Door Station Wagon 1AW35
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Station Wagon - Third Seat Optional-RPO A04

Sg RP couple distance	L85	791 (31.1)
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)
Sg RP to heel point	H87	282 (11.1)
Knee clearance	L87	310 (12.2)
Seat facing direction	SD1	Rearward
Back angle	L88	25.0
Hip angle	L89	76.5
Knee angle	L90	64.0
Foot angle	L91	99.0

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 (45.4)
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	1254 (49.4)
Min. 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

Cargo length at front seatback height	L208	
Cargo length at floor (front)	L209	
Cargo length at second seatback height	L210	Not Applicable
Cargo length at floor (second)	L211	--
Front seatback to load floor height	H197	
Second seatback to load floor height	H198	
Cargo volume index [m ³ (ft. ³)]	V3	--
Hidden cargo volume [m ³ (ft. ³)]	V4	
Cargo volume index-rear of 2-seat	V11	--

Aerodynamics*

		Coupe	Sedan	Station Wagon
Wheel lip to ground, front	H172	658 (25.9)	653 (25.7)	657 (25.9)
Wheel lip to ground, rear	H173	652 (25.7)		657 (25.9)
Frontal area [m ² (ft. ²)]	FA	2.04 (21.8)		2.02 (21.6)
Drag coefficient (Cd)				

* EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications Form
METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (●) _____

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

Fiducial Mark Number*	Define Coordinate Location		
Front	X	Fiducial mark to vertical base grid line - front measured horizontally, from the base grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt.	
	Y	Fiducial mark to centerline of car - front, width measurement made from centerline car to fiducial mark located on top of the front seat adjuster mounting bolt.	
	Z	Fiducial mark to horizontal base grid line - front, measured vertically from base grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.	
Rear	X	Fiducial mark to vertical base grid line - rear, measured horizontally from the 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 the base grid line to rear fiducial mark located on the rail (compartment pan - longitudinal).	
Front	W21*	564 (22.2)	
	L54*	771 (30.4) *	
	H81*	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)
	L55*	2980 (117.3) *	2215 (87.2) *
	H82*	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, J182, Motor Vehicle Fiducial Marks.

MVMA Specifications Form
METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (•) _____

Body Type	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 (SAE - H127)	Highest**	662 (26.1)	669 (26.4)	664 (26.1)
		Lowest	662 (26.1)	669 (26.4)	664 (26.1)
	Taillamp (SAE - 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)		
Halogen headlamp (std., opt., n.a.)	Lo beam	Standard			
	Hi beam	Standard			
	Replaceable bulb	Yes			
	Shape	Rectangular			
Headlamp other than above	Lo beam	Not Available			
	Hi beam	" "			
	Replaceable	" "			
	Shape	" "			
	Type	" "			

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

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (*) _____

Vehicle Mass (weight)

Model	CURB MASS, kg. (weight, lb.)*			% PASS. MASS DISTRIBUTION				SHIPPING MASS, kg (weight, lb.)**
	Front	Rear	Total	Pass in Front		Pass in Rear		
				Front	Rear	Front	Rear	
2-Door Notchback Coupe 1AW27	783.0 (1726)	448.0 (988)	1231.0 (2714)					1195.0 (2634)
4-Door Notchback Sedan 1AW19	784.0 (1728)	464.0 (1023)	1248.0 (2751)					1212.0 (2672)
4-Door Station Wagon 1AW35	772.0 (1702)	538.0 (1186)	1310.0 (2888)					1274.0 (2809)
Curb Weight - The calculated weight of a vehicle with standard equipment only as designed with the additional load of oil, lubes, coolants, and fuel all filled to capacity.								
Shipping Weight - Same as base curb weight, except 3 gallons of gasoline.								

* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.
 ** Shipping mass (weight) definition -

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

METRIC (U.S. Customary)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Power Seat 6-Way (Requires RPO AM6 or AS7)	2.2 (4.8)	2.8 (6.2)	5.0 (11.0)	All models
Driver only, RPO AG9				
Rear-Facing Third Seat RPO AQ4	-.6 (-1.3)	(6.4) (14.1)	5.8 (12.8)	1AW35 only
Bucket Seat RPO AR9	1.4 (3.1)	1.4 (3.1)	2.8 (6.2)	All models
Seat Front 45/45 (Includes bucket seats Floor console)	1.6 (3.5)	1.6 (3.5)	3.2 (7.0)	2-door model
RPO AS7	1.6 (3.5)	1.5 (3.3)	3.1 (6.8)	4-door model
Power Door Lock System RPO AU3	1.2 (2.6)	1.2 (2.6)	2.4 (5.2)	2-door model
	1.4 (3.1)	2.0 (4.4)	3.4 (7.5)	4-door model
Electric Tailgate Release RPO AU6	-.2 (-0.4)	1.0 (2.2)	.8 (1.8)	1AW35 only
Swing-out Rear Quarter CV Window RPO A20	-.2 (-0.4)	1.0 (2.2)	.8 (1.8)	1AW35 only
Power Windows RPO A31	.6 (1.3)	1.4 (3.1)	2.0 (4.4)	2-door model
	1.8 (4.0)	2.8 (6.2)	4.6 (10.2)	4-door model
Power Trunk Opener RPO A90	-.2 (-0.4)	1.0 (2.2)	.8 (1.8)	1AW19 & 27 models
Deluxe Rr Comp Decor RPO BC5	-.2 (-0.4)	1.2 (2.6)	1.0 (2.2)	1AW35 only
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

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

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

METRIC (U.S. Customary)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Color-Keyed Floor Mats Front RPO B32	1.4 (3.1)	1.0 (2.2)	2.4 (5.3)	All models
Color-Keyed Floor Mats Rear RPO B33	.4 (0.9)	.6 (1.3)	1.0 (2.2)	All models
Intermittent Windshield Wiper System RPO CD4	.2 (0.4)	0	.2 (0.4)	All models
Tailgate Window Wiper/Washer RPO C25	2.8 (6.2)	1.8 (4.0)	4.6 (10.2)	1AW35 only
Electric Rear Window Defogger RPO C49	0 (0)	.6 (1.3)	.6 (1.3)	All models
Rear Window Air Deflector RPO C51	-.8 (-1.8)	3.0 (6.6)	2.2 (4.8)	1AW35 only
Air Conditioning RPO C60	20.2 (44.5)	.8 (1.8)	21.0 (46.3)	1AW19 & 35 with RPO LB6, MD9, ME9 & M19
	22.0 (48.5)	1.0 (2.2)	23.0 (50.7)	1AW27 & RPO LB6
	25.4 (56.0)	1.2 (2.6)	26.6 (58.6)	1AW00 & RPO LR8
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 and rear stabilizer bars, specific shock absorber valving) RPO F41	2.2 (4.8)	.4 (0.9)	2.6 (5.7)	All ZV8 models with RPO LB6
Inflatable Rear Shock absorbers RPO G66	1.6 (3.5)	.4 (0.9)	2.0 (4.4)	All ZV8 models with RPO LR8
	0 (0)	1.0 (2.2)	1.0 (2.2)	All models

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

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (●) _____

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Electronic-Speed Control with Resume Speed RPO K34	2.0 (4.4)	0 (0)	2.0 (4.4)	With RPO LB6 engines
	2.6 (5.7)	0 (0)	2.6 (5.7)	With RPO LR8 engine
Engine 2.8 Liter MFI (173 C.I.D.) V6 High Output RPO LB6	35.0 (77.2)	3.0 (6.6)	38.0 (83.8)	All models
Automatic Transmission 3-speed (THM-125c) RPO MX1	21.4 (47.2)	.6 (1.3)	22.0 (48.5)	All models
Automatic Transmission 4-speed (440-14) RPO MX0	38.3 (84.4)	0 (0)	38.3 (84.4)	All models, all engines, except 2.5 Liter L4 (RPO LR8)
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 (includes locking pkg. N18) (Not available with RPO-ZV8 Eurosport package) RPO N91	3.6 (7.9)	3.6 (7.9)	7.2 (15.8)	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)	Sedan with RPO LB6 engine
Gauge Package RPO UF7	.2 (0.4)	0 (0)	.2 (0.4)	All models
AM/FM Stereo Radio/ Stereo Cassette Player/ Clock ETR type, RPO UM6	.8 (1.8)	.2 (0.4)	1.0 (2.2)	All models, includes 4-speaker system
AM/FM Stereo Radio & Clock ETR type, full feature RPO UM7	.2 (0.4)	0 (0)	.2 (0.4)	All models, includes 4-speaker system

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

MVMA Specifications Form

Vehicle Line CELEBRITY
 Model Year 1988 Issued 6-87 Revised (e) _____

METRIC (U.S. Customary)

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS. kg. (weight, lb.)			
	Front	Rear	Total	
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.
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 LB6 & without RPO C60
	2.0 (4.4)	-.2 (-0.4)	1.8 (4.0)	With RPO LB6 & RPO C60
Bumper Guards - Front and Rear RPO V30	.6 (1.3)	.4 (0.9)	1.0 (2.2)	All models
Roof Luggage Carrier RPO V55	.8 (1.8)	5.6 (12.3)	6.4 (14.1)	1AW35 only
Rally Wheels RPO ZJ7	2.2 (4.8)	2.2 (4.8)	4.4 (9.6)	All models, included with Eurosport RPO ZV8
Eurosport Celebrity Package RPO ZV8	3.6 (7.9)	3.6 (7.9)	7.2 (15.8)	All models, except wagon not available with whitewall tires. RPO PB2, N91 or D85. F41 susp. required with Eurosport package.
	2.4 (5.3)	2.4 (5.3)	4.8 (10.6)	Station Wagon
Exterior Molding Package Bright. (Consists of RPO B51 and B96) RPO Z17	.6 (1.3)	1.0 (2.2)	1.6 (3.5)	All models, black - finished version for Eurosport option RPO ZV8

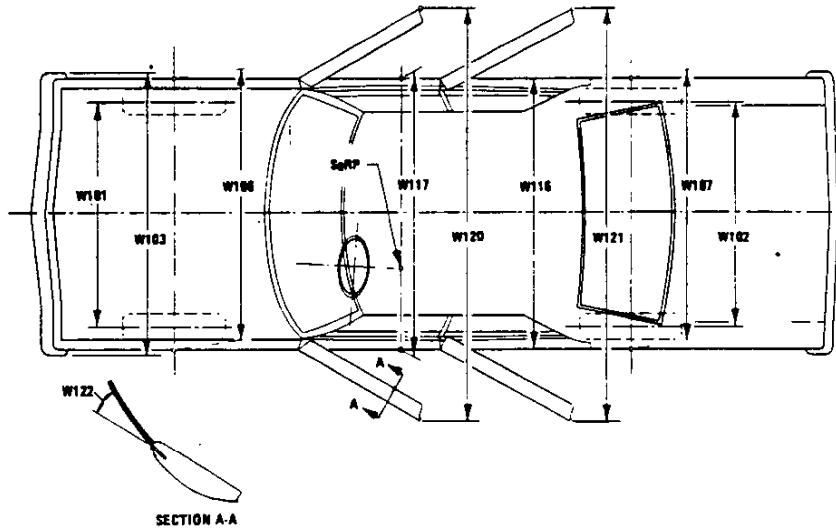
*Also see Engine - General Section for dressed engine mass (weight).

MVMA Specifications Form

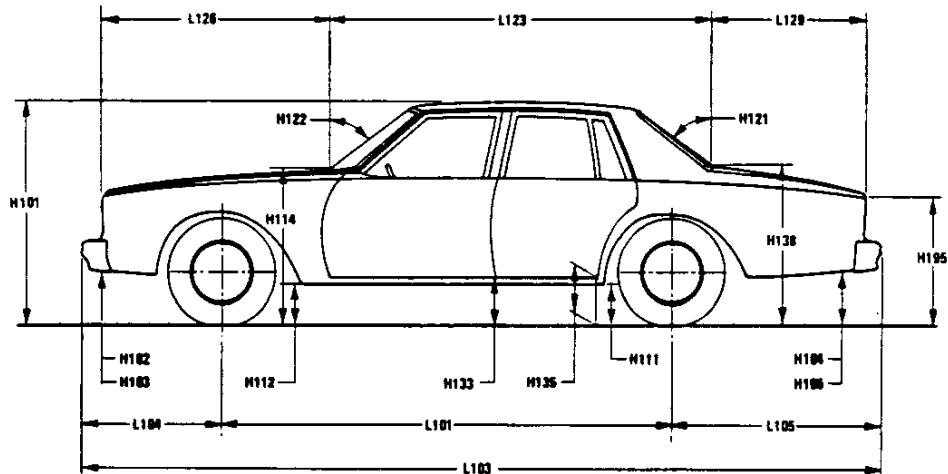
METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions – Key Sheet

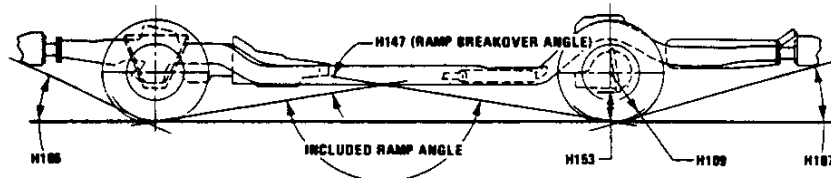
Exterior Width



Exterior Length & Height



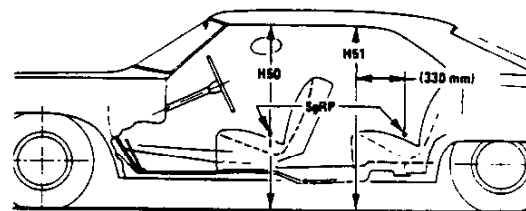
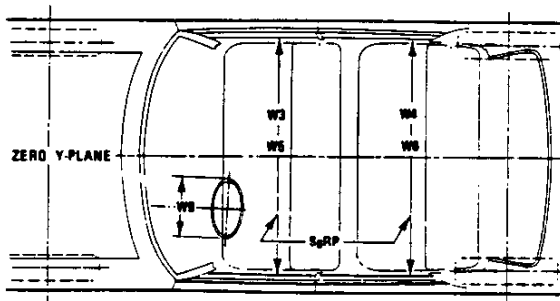
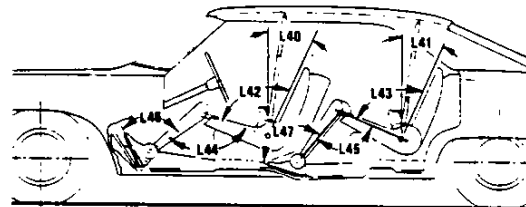
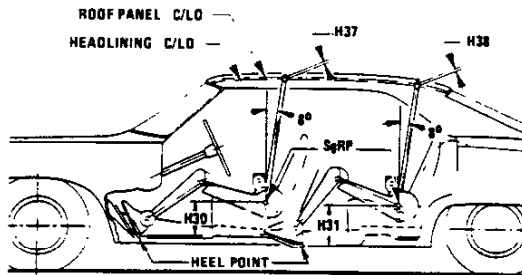
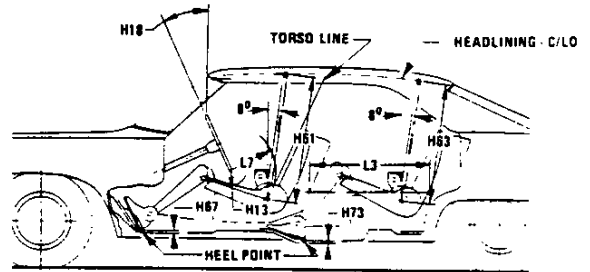
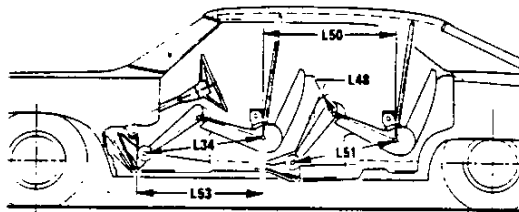
Exterior Ground Clearance



MVMA Specifications Form

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet

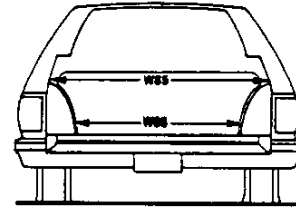
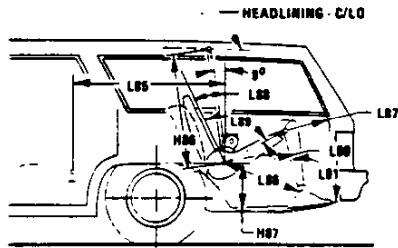


MVMA Specifications Form

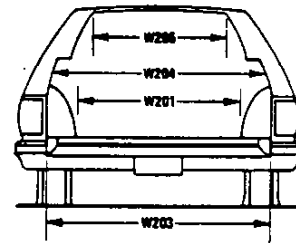
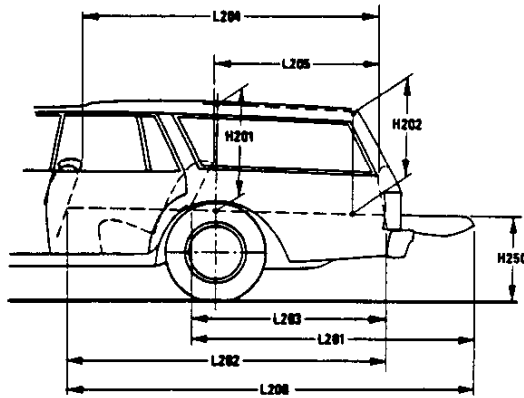
METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet

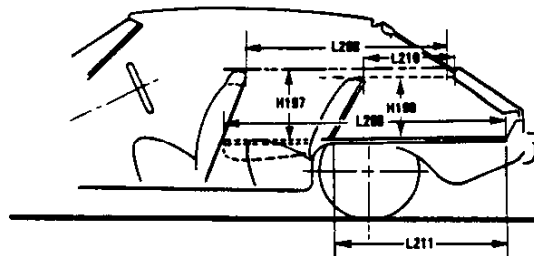
Third Seat



Cargo Space



Station Wagon



Hatchback

MVMA Specifications Form

METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Seating Reference Point

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

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

Width Dimensions

- W101 TREAD–FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD–REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W106 FRONT FENDER WIDTH. The dimension measured between the widest points at the front wheel centerline, excluding moldings.
- W107 REAR FENDER WIDTH. The dimension measured between the widest points at the rear wheel centerline, excluding moldings.
- W117 BODY WIDTH AT SgRP–FRONT. The dimension measured laterally between the widest points on the body at the SgRP-front, excluding door handles, applied moldings, or appliques.
- W120 VEHICLE WIDTH–FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.
- W121 VEHICLE WIDTH–REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.
- W122 TUMBLE–HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.

Length Dimensions

- 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.
- 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

- L123 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.
- UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
- L125 COWL POINT "X" COORDINATE.
- L126 FRONT END LENGTH. The dimension measured longitudinally from the cowl point to the foremost point on the vehicle at the zero "Y" plane excluding ornamentation or bumpers. In cases where bumpers and/or grills are integrated with the profile, measurement is made at the foremost point of front end contour.
- L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.
- L129 REAR END LENGTH. The dimension measured longitudinally from the deck point to the rearmost visible point of the body sheet metal at the zero "Y" plane, excluding ornamentation or bumpers.

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H111 ROCKER PANEL–REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
- H112 ROCKER PANEL–FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- 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 arc running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in) long drawn from the lower DLO to the intersecting point on the windshield.
- 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.
- H133 BOTTOM OF DOOR CLOSED–FRONT 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.
- 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.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H109 STATIC LOAD–TIRE RADIUS–REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

Ground Clearance Dimensions

- H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.
- H103 FRONT BUMPER TO GROUND–CURB MASS (WT.). Measured in the same manner as H102.

MVMA Specifications Form

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

- H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.
- H105 REAR BUMPER TO GROUND – CURB MASS (WT.). Measured in the same manner as H104.
- H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius arc and the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.
- H107 ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius arc and the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.
- H147 RAMP BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.
- H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.
- H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.
- Glass Areas**
- S1 Windshield area.
- S2 Side windows area. Includes the front door, rear door, vents, and rear quarter windows on both sides of the vehicle.
- S3 Backlight areas.
- S4 Total area. Total of all areas (S1 + S2 + S3).
- Fiducial Mark Dimensions**
- Fiducial Mark – Number 1**
- L54 "X" coordinate.
- W21 "Y" coordinate.
- H81 "Z" coordinate.
- H161 Height "Z" coordinate to ground at curb weight.
- H163 Height "Z" coordinate to ground.
- Fiducial Mark – Number 2**
- L55 "X" coordinate.
- W22 "Y" coordinate.
- W82 "Z" coordinate.
- H162 Height "Z" coordinate to ground at curb weight.
- H164 Height "Z" coordinate to ground.
- Front Compartment Dimensions**
- L7 STEERING WHEEL TORSO CLEARANCE. The minimum dimension measured in the side view from the rearmost edge of the steering wheel, with front wheels in the straight ahead position, to the torso line.
- L11 ACCELERATOR HEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.
- L17 DESIGN H-POINT–FRONT TRAVEL. The dimension measured horizontally between the design H-point–front in the foremost and rearmost seat track positions. (See SAE J1100)
- L23 NORMAL DRIVING AND RIDING SEAT TRACK LEVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100)
- L31 SgRP–FRONT. "X" COORDINATED.
- L34 MAXIMUM EFFECTIVE LEG ROOM–ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP–front plus 254 mm (10.0 in) measured with right foot on the 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.
- L-40 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.
- L-42 HIP ANGLE–FRONT. The angle measured between torso line and thigh centerline.
- L44 KNEE ANGLE–FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.
- L46 FOOT ANGLE–FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826.
- L53 SgRP–FRONT TO HEEL. The dimension measured horizontally from the SgRP–front to the accelerator heel point.
- W3 SHOULDER ROOM–FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP–front at height between the belt line and 254 mm (10.0 in.) above the SgRP–front, excluding the door assist strap and attaching parts.
- W5 HIP ROOM–FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP–front within 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP–front and 76 mm (3.0 in.) fore and aft of the SgRP–front.
- W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.
- H13 STEERING WHEEL TO CENTERLINE OF THIGH. The minimum dimension measured from the bottom of steering wheel, with front wheels in the straight position, to the thigh centerline.
- H17 ACCELERATOR HEEL POINT TO THE STEERING WHEEL CENTER. The dimension measured vertically from the AHP–front to the intersection of the steering column centerline to a plane tangent to the upper surface of the steering wheel rim.
- H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
- H30 SgRP–FRONT TO HEEL. The dimension measured vertically from the SgRP–front to the accelerator heel point.
- H37 HEADLINING TO ROOF PANEL–FRONT. The dimension measured from the intersection of the headlining and the extended effective head room line normal to the sheet metal.
- H50 UPPER BODY OPENING TO GROUND–FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP–front "X" plane.
- H61 EFFECTIVE HEAD ROOM–FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP–front to the headlining plus 102 mm (4.0 in.).
- H67 FLOOR COVERING THICKNESS–UNDEPRESSED–FRONT. The dimension measured vertically from the surface of the undepressed floor covering to the underbody sheet metal at the accelerator heel point.
- PD1 PASSENGER DISTRIBUTION–FRONT.
- Rear Compartment Dimensions**
- L3 COMPARTMENT ROOM–SECOND. The dimension measured horizontally from the back of the front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.

MVMA Specifications Form

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

L-41	BACK ANGLE-SECOND. The angle measured between a vertical line through the SgRP-second and the torso line.
L43	HIP ANGLE-SECOND. The angle measured between torso line and thigh centerline.
L45	KNEE ANGLE-SECOND. The angle measured between thigh centerline and lower leg centerline.
L47	FOOT ANGLE-SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).
L48	KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in.).
L50	SgRP, COUPLE DISTANCE-SECOND. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.
L51	MINIMUM EFFECTIVE LEG ROOM-SECOND. The dimension measured along a line from the ankle pivot center to the SgRP-second plus 254mm (10.0 in.).
W4	SHOULDER ROOM-SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP-second at height between 254-406 mm (10.0-16.0 in.) above the SgRP-second, excluding the door assist straps and attaching parts.
W6	HIP ROOM-SECOND. Measured in the same manner as W5.
H31	SgRP-SECOND TO HEEL. The dimension measured vertically from the SgRP-second to the two dimensional device heel point on the depressed floor covering.
H38	HEADLINING TO ROOF PANEL-SECOND. The dimension measured from the intersection of the headlining and the extended effective head room line normally to the roof sheet metal.
H51	UPPER BODY OPENING TO GROUND-SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP-second.
H63	EFFECTIVE HEAD ROOM-SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).
H73	FLOOR COVERING-DEPRESSED-SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.
PD2	PASSENGER DISTRIBUTION-SECOND.

Luggage Compartment Dimensions

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

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

L85	SgRP COUPLE DISTANCE-THIRD. The dimension measured horizontally from the SgRP-second to the SgRP-third.
L86	EFFECTIVE LEG ROOM-THIRD. The dimension measured along a line from the ankle pivot center to the SgRP-third plus 254 mm (10.0 in.).
L87	KNEE CLEARANCE-THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51mm (2.0 in.). With rear-facing third seat, dimension is measured to closure.
L88	BACK ANGLE-THIRD. Measured in the same manner as L41.
L89	HIP ANGLE-THIRD. Measured in the same manner as L43.
L90	KNEE ANGLE-THIRD. Measured in the same manner as L45.
L91	FOOT ANGLE-THIRD. Measured in the same manner as L47.
W85	SHOULDER ROOM-THIRD. Measured in the same manner as W4.
W86	HIP ROOM-THIRD. Measured in the same manner as W5.
H86	EFFECTIVE HEAD ROOM-THIRD. The dimension, measured along a line 8 deg. from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
H87	SgRP-THIRD TO HEEL POINT.
PD3	PASSENGER DISTRIBUTION-THIRD.
SD1	SEAT FACING DIRECTION-THIRD.

Station Wagon - Cargo Space Dimensions

L200	CARGO LENGTH-OPEN-FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate at the zero "Y" plane.
L201	CARGO LENGTH-OPEN-SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
L202	CARGO LENGTH-CLOSED-FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
L203	CARGO LENGTH-CLOSED-SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
L204	CARGO LENGTH AT BELT-FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel at the height of the belt, on the zero "Y" plane.
L205	CARGO LENGTH AT BELT-SECOND. The minimum dimension measured horizontally from the back of the second seatback 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 to the sheet metal.

MVMA Specifications Form

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

- W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.
- W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.
- W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.
- H197 FRONT SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.
- H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinate on the zero "Y" plane.
- H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.
- H250 TAILGATE TO GROUND CURB MASS (WT.). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.
- 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 LUGGAGE CAPACITY—REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.
- V5 TRUCKS AND MPV'S WITH OPEN AREA.
Measured in inches:

$$\frac{L506 \times W500 \times H503}{1728} = \text{ft}^3$$
 Measured in mm:

$$\frac{L506 \times W500 \times H503}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- V6 TRUCKS AND MPV'S WITH CLOSED AREA.
Measured in inches:

$$\frac{L204 \times W500 \times H505}{1728} = \text{ft}^3$$
 Measured in mm:

$$\frac{L204 \times W500 \times H505}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- V8 HIDDEN LUGGAGE CAPACITY—REAR OF SECOND SEAT. The total volume of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the second seat.
- V10 STATION WAGON CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor:
Measured in inches:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{1728} = \text{ft}^3$$
 Measured in mm:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

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).

- 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 minimum dimension measured from the "X" plane tangent to the 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—SECOND HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.
- 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 dimension measured vertically from the second seat back to the undepressed floor covering.
- V3 HATCHBACK.
Measured in inches:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = \text{ft}^3$$
 Measured in mm:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- V4 HIDDEN LUGGAGE CAPACITY—REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.
- V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor:
Measured in inches:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{1728} = \text{ft}^3$$
 Measured in mm:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

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