



MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

Passenger Car

1986

| | | | |
|-----------------|---|----------------------|----------------------------|
| Manufacturer | Chevrolet Motor Division General Motors Corporation | Car Line | |
| Mailing Address | Chevrolet-Pontiac-Canada Group Engineering Center General Motors Corporation 30003 Van Dyke Warren, MI 48090-9060 | Celebrity | |
| | | Issued July, 1985 | Revised September, 1985 |

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

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

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

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Motor Vehicle Manufacturers Association
of the United States, Inc.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

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NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (e) _____

METRIC (U.S. Customary)

Car Models

| Model Description & Drive (FWD/RWD) | Introduction Date | Make, Car Line, Series, Body Type (Mfr's Model Code) | No. of Designated Seating Positions (Front/Rear) | | Max. Trunk/Cargo Load—Kilograms (Pounds) |
|--|-------------------|--|--|-----|--|
| FRONT WHEEL DRIVE | | | | | |
| CELEBRITY | | MODEL NUMBER | FRONT/REAR - 3RD | | |
| 2-Door Notchback Coupe | | 1AW27 | 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, FI, etc.) | Compr. Ratio | SAE Net at RPM | | | | Overall Veh. | Overall Veh. | AXLE RATIO @ | | Overall Veh. |
| | | | | kW (bhp) | Torque N·m (lb. ft.) | | | | | Base | Drive Opt. | |
| Base - All States | L4 2.5L (151 CID) LR8 | EFI * | 9.0:1 | 92 @ 4400 | 134 @ 2800 | S | Man. 4-Spd., 3.53 Low (M19)-Base% | 3.65 | 2.96 | -- | -- | |
| | | | | | | | Auto '125c' (MD9)-Opt. | 2.39*\$ | 2.39 | 2.84# | 2.84 | |
| Opt. - All States @-Except California | V6 2.8L (173 CID) LE2 | 2- Bb1 | 8.0:1 | 112 @ 4800 | 145 @ 2100 | S | Auto '125c' (MD9)-Base | 2.84\$ | 2.84 | -- | -- | |
| | | | | | | | Auto '440-T4' (ME9)-Opt. | 3.06\$ | 2.14 | -- | -- | |
| Opt. - All States | V6 2.8L (173 CID) LB6 | MFI ** | 8.5:1 | 125 @ 4800 | 160 @ 3600 | S | Auto '125c' (MD9)-Base | 2.84\$ | 2.84 | 3.18+\$ | 3.18 | |
| | | | | | | | Auto '440-T4' (ME9)-Opt. | 3.06\$ | 2.14 | -- | -- | |
| <p>@ - Not available in California % - Not available on Eurosport Wagon \$ - Axle ratio = chain drive x differential drive ratio # - Optional on Sedans and Coupes; base on wagon + - Optional ratio - base ratio with Chev. Eurosport * - Base for Sedans and Coupes only ** - Multi-Port Fuel Injection *** - Fuel Injection Diesel</p> | | | | | | | | | | | | |

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (*) 9-85

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

| | |
|--|--|
| 2.5 Liter L-4 (151 CID) Electronic Fuel Inj. RPO LR8 | 2.8 Liter V-6 (173 CID) 2-Bbl Carburetor RPO LE2 |
|--|--|

ENGINE - GENERAL

| | | |
|---|---|-------------------------------|
| Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.) | In-line Front Transverse, front of engine faces right side of vehicle | 60° V-6 |
| Manufacturer | Pontiac | Chevrolet |
| No. of cylinders | 4 | 6 |
| Bore | 101.6 (4.0) | 89 (3.50) |
| Stroke | 76.2 (3.0) | 76 (2.99) |
| Bore spacing (C/L to C/L) | 111.8 (4.40) | 111.8 (4.40) |
| Cylinder block material & mass kg (lbs.) | Cast Alloy Iron 42,554 (93.8) | Cast Alloy Iron 41,731 (91.9) |
| Cylinder block deck height | 236.1 (9.3) | 224 (8.819) |
| Deck clearance (minimum) (above or below block) | .64 (.025)-Below | 0.62 (.024)-Below |
| Cylinder head material & mass kg (lbs.) | Cast Alloy Iron 19,140 (42.2) | Cast Alloy Iron 11,200 (24.7) |
| Cylinder head volume (cm ³) | 45.62 (2.78) | |
| Head gasket thickness (compressed) | 0.97 (.038) | 0.838 (0.033) |
| Minimum combustion chamber total volume (cm ³) | 70.82 (4.32) | 63.41734(3.86927)@ |
| Cyl. no. system (front to rear)* | L. Bank | 1-2-3-4 |
| | R. Bank | -- |
| Firing order | 1-3-4-2 | 1-2-3-4-5-6 |
| Intake manifold material & mass (kg (weight, lbs.)) | Aluminum Cast 6,580 (14.5) | Aluminum Cast 4,600 (10.1) |
| Exhaust manifold material & mass (kg (weight, lbs.)) | Stainless Steel 1,980 (4.4) | LH & RH Cast Iron 2,948 (6.5) |
| Recommended fuel (leaded, unleaded, diesel) | Unleaded | |
| Fuel antiknock index (R + M) 2 | 98 | |
| Total dressed engine mass (wt) dry** | 154.9 (341.7) Auto 165.5 (364.9) Man | 141.8 (312.7) Auto |

Engine - Pistons

| | | |
|--|------------------------------------|-------------|
| Material & mass, g (weight, oz.) - piston only | Cast Aluminum Alloy .660 (23.3) | .467 (16.5) |
|--|------------------------------------|-------------|

Engine - Camshaft

| | | |
|-----------------------------------|----------------------------|---------------------------|
| Location | Right side of block | In block above crank |
| Material & mass kg (weight, lbs.) | Cast Iron 3,411 (7.519) | Cast Iron 3,098 (6.83) |
| Drive type | Chain / belt | Gear |
| | Width / pitch | -- |
| | | 19.4 (.748/9.53 (.375)) |

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

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

All those items necessary to make the engine a complete

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

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Car Line CELFRRITY
 Model Year 1986 Issued 7-85 Revised (e) 9-85

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.8 Liter - V6 H.O.
 (2.8 Multi-Port FI)
 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.) | Cast Alloy Iron 41.731 (91.9) | |
| Cylinder block deck height | 224 (8.819) | |
| Deck clearance (minimum) (above or below block) | 0.12 (.005) Below | |
| Cylinder head material & mass kg (lbs.) | Cast Alloy Iron 11.227 (24.8) | |
| Cylinder head volume (cm ³) | -- | |
| Head gasket thickness (compressed) | 0.838 (0.033) | |
| Minimum combustion chamber total volume (cm ³) | 59,8481 (3.6515)@ | |
| Cyl. no. system (front to rear)* | L. Bank | 2-4-6 |
| | R. Bank | 1-3-5 |
| Firing order | 1-2-3-4-5-6 | |
| Intake manifold material & mass (kg (weight, lbs.)) | Cast Aluminum 3.810 (8.4) | |
| Exhaust manifold material & mass (kg (weight, lbs.)) | Cast Iron LH 2.200 (4.9), RH 2.600 (5.7) | |
| Recommended fuel (leaded, unleaded, diesel) | Unleaded | |
| Fuel antiknock index (R + M) | 2 | |
| Total dressed engine mass (wt dry)** | 184.8 (407.3) Auto | |

Engine - Pistons

| | |
|--|---|
| Material & mass, g (weight, oz.) - piston only | Cast Aluminum Alloy, .467 (16.5), Flat Head |
|--|---|

Engine - Camshaft

| | | |
|-----------------------------------|---------------------------|-------------------------|
| Location | In block above crankshaft | |
| Material & mass kg (weight, lbs.) | Cast iron, 3.098 (6.83) | |
| Drive type | Chain / belt | Chain |
| | Width / pitch | 19.4 (.764)/9.53 (3.75) |

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

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

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

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Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

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

2.8 Liter V6 (173 CID)
2-Bbl. Carburetor
RPO LE2

Engine - Valve System

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

Engine - Connecting Rods

| | | |
|---------------------------------------|------------------------------|------------------------|
| Material & mass [kg., (weight, lbs.)] | Cast arma steel/.555 (1.224) | 1038 steel/.399 (.879) |
|---------------------------------------|------------------------------|------------------------|

Engine - Crankshaft

| | | |
|--|---------------------------------|---------------------------------|
| Material & mass [kg., (weight, lbs.)] | Nodular cast iron/12.519(27.59) | Nodular cast iron/14.170(31.24) |
| End thrust taken by bearing (no.) | 5 | 3 |
| Number of main bearings | 5 | 4 |
| Seal (material, one, two piece design, etc.) | Front | |
| | Rear | |

Engine - Lubrication System

| | | |
|--|-------------|------------------------|
| Normal oil pressure [kPa (psi) at engine rpm] | 2.59 (37.5) | 345-450 (50-65) @ 1200 |
| Type oil intake (floating, stationary) | Stationary | |
| Oil filter system (full flow, part, other) | Full flow | |
| Capacity of c/case, less filter-refill-L (qt.) | 2.8 (3.0) | 3.8 (4.0) |

Engine - Diesel Information

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

Engine - Intake System

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

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METRIC (U.S. Customary)

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) | | |
| Valves | Number intake / exhaust | |
| | 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/14.170(31.24) | |
| End thrust taken by bearing (no.) | 3 | |
| Number of main bearings | 4 | |
| Seal (material, one, two piece design, etc.) | Front | |
| | Rear | |

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 | | Not |
| injector nozzle | Type | |
| | 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 Applicable |
| Super charger - manufacturer | |
| Charge cooler | |

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METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

| | |
|--|--|
| 2.5 Liter L4 (151 CID) Electronic Fuel Injection RPO LR8 | 2.8 Liter V6 (173 CID) 2-Bbl. Carburetor RPO LE2 |
|--|--|

Engine - Cooling System

| | | | | | | | |
|--|---|--|-----------------|--------------|-------|-------|-------|
| Coolant recovery system (std., opt., n.a.) | | Standard | | | | | |
| Coolant fill location (rad., bottle) | | Bottle, coolant recovery | | | | | |
| Radiator cap relief valve pressure (kPa (psi)) | | 103.4 (15.0) | | | | | |
| Circulation thermostat | Type (choke, bypass) | Choke | | | | | |
| | Starts to open at °C (°F) | 90 (195°) | | | | | |
| Water pump | Type (centrifugal, other) | Centrifugal | | | | | |
| | GPM 1000 pump rpm | -- | 22.7 @ 3000 RPM | | | | |
| | Number of pumps | One | | | | | |
| | Drive (V-belt, other) | V-belt | | | | | |
| | Bearing type | Sealed double row ball | Ball-Roller | | | | |
| | Impeller material | | | | | | |
| Housing material | | | | | | | |
| By-pass recirculation [type (inter., ext.)] | | Internal | | | | | |
| Cooling system capacity | With heater—L(qt.) | 9.24(9.8)Auto. | 9.34(9.9)Man | 11.82 (12.5) | | | |
| | With air cond.—L(qt.) | 9.48(10.0)Auto. | 9.58(10.1)Man | 11.96 (12.6) | | | |
| | Opt. equipment (specify—L(qt.)) | 9.30(9.8)Auto. | 9.40(9.9) Man | 12.16 (12.8) | | | |
| 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 | H.D. | STD. | A/C | H.D. |
| | Type (cross-flow, etc.) | Cross-flow | | | | | |
| | Construction (fin & tube mechanical, braze, etc.) | | | | | | |
| | Material, mass [kg (wgt, lbs.)] | Copper-brass, high efficiency radiator (b) | | | | | |
| | Width | 430.0 | 668.0 | 668.0 | 430.0 | 668.0 | 668.0 |
| | Height | 345.3 | 345.3 | 429.7 | 429.7 | 429.7 | 429.0 |
| | Thickness | 25.0 | 25.0 | 40.2 | 25.0 | ** | 40.2 |
| | Fins per inch @ | 3.5 | 4.5 | 4.0 | 3.5 | 3.5 | 4.0 |
| Radiator end tank material | | | | | | | |
| 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.

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

** - 25.0 with Auto. 3-speed trans.
23.5 with Auto. 4-speed trans.

(a) - With rotating reinforcement ring, shrouded.

(b) - Except LE2 with A/C and Auto. 4-speed is aluminum.

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (•) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

2.8 Liter V6 (173 CID)
(2.8 Multi-Port FI)
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) | V-Belt | |
| | Bearing type | Ball-Roller | |
| | Impeller material | | |
| Housing material | | | |
| 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 & H.D. |
| | Type (cross-flow, etc.) | Cross flow | |
| | Construction (fin & tube mechanical, braze, etc.) | | |
| | Material, mass [kg (wt. lbs.)] | Copper/brass high efficiency radiator | |
| | Width | 668.0 | 668.0 |
| | Height | 345.3 | 429.7 |
| | Thickness | 25.0 | 40.2 |
| | Fins per inch * | 4.5 | 3.0 |
| 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(13.91) 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°C | |
| 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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Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

| | |
|---|---|
| 2.5 Ltr L4 (151 CID) Electronic Fuel Inj. RPO LR8 | 2.8 Ltr V6 (173 CID) 2-Bbl Carburetor RPO LE2 |
|---|---|

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

| | | | | |
|---|--|---------------------------------|-----------------|-------------|
| Induction type: carburetor, fuel injection system, etc. | | Fuel Injection | Carburetor | |
| Carburetor | Mfgr. | None | Rochester | |
| | Choke (type) | " | Electric | |
| | Idle spd.-rpm (spec. neutral or drive and propane if used) | Manual | " | None |
| | | Automatic | " | 600 (Drive) |
| 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 | Exhaust | |
| Air cleaner type | Standard | (*) | | |
| | Optional | -- | | |
| Fuel pump | Type (elec. or mech.) | Electrical | Mechanical | |
| | Location (eng., tank) | Fuel Tank | On engine LF | |
| | Pressure range [kPa (psi)] | 83.0 (12.0) | 41-52 (6.0-7.5) | |

Fuel Tank

| | | | |
|-----------------------------------|--------------------------|--------------------------|--|
| Capacity [refill L (gallons)] | 59.4 (15.7) approx. | 62.1 (16.4) approx. | |
| Location (describe) | Underside - rear center | | |
| Attachment | Underbody strap | | |
| Material & Mass [kg (weight lbs)] | Steel | | |
| Filler pipe | Location & material | Driver side rear quarter | |
| | Connection to tank | Solid Solder | |
| Fuel line (material) | Steel | | |
| Fuel hose (material) | Rubber | | |
| Return line (material) | Steel | | |
| Vapor line (material) | Steel | | |
| Extended range tank | Opt., n.a. | Not available | |
| | Capacity [L (gallons)] | " | |
| | Location & material | " | |
| | Attachment | " | |
| Auxiliary tank | Opt., n.a. | " | |
| | Capacity [L (gallons)] | " | |
| | Location & material | " | |
| | Attachment | " | |
| | Selector switch or valve | " | |
| Separate fill | " | | |

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (•) _____

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 | |
| Carburetor | Mfgr. | Not Available | |
| | Choke (type) | None | |
| | Idle spd.-rpm (spec. neutral or drive and propane if used) | Manual | " |
| | | Automatic | " |
| Idle A/F mix. | | Preset - no adjustment provided | |
| Fuel injection | Point of injection (no.) | Fuel Injectors at inlet ports | |
| | Constant, pulse, flow | Pulse | |
| | Control (electronic, mech.) | Electronic | |
| | System pressure [kPa (psi)] | -- | |
| Intake manifold heat control (exhaust or water thermostatic or fixed) | | | |
| 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 |
| Filler pipe | Location & material | Driver side rear quarter |
| | Connection to tank | Solid solder |
| Fuel line (material) | | Steel #1008 or 1010 GM-124-M |
| Fuel hose (material) | | Rubber |
| Return line (material) | | Steel #1008 or 1010 GM-124-M |
| Vapor line (material) | | Steel #1008 or 1010 GM-124-M |
| Extended range tank | Opt., n.a. | Not Available |
| | Capacity [L (gallons)] | " |
| | Location & material | " |
| | Attachment | " |
| Auxiliary tank | Opt., n.a. | " |
| | Capacity [L (gallons)] | " |
| | Location & material | " |
| | Attachment | " |
| | Selector switch or valve | " |
| | Separate fill | " |

(*) - Replaceable paper element, single snorkel.

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

| | |
|--|---|
| 2.5L L-4 (151 CID) Elect. Fuel Inj RPO LR8 | 2.8L V6 (173 CID) 2-Bbl. Carburetor RPO LE2 |
|--|---|

Vehicle Emission Control

| | | | | | |
|--|---|--|-------------|--------------------------------|-----------------|
| Exhaust Emission Control | Type (air injection, engine modifications, other) | | CCC control | CCC control with Air Injection | |
| | Air Injection | Pump or pulse | None | Vane type pump | |
| | | Driven by | None | V-belt | |
| | | Air distribution (head, manifold, etc.) | None | Exh. Manifold, Convrt. | |
| | | Point of entry | None | Exh. Manifold&Conv | |
| | Exhaust Gas Recirculation | Type (controlled flow, open orifice, other) | | Controlled Flow | |
| | | Exhaust source | | Manifold | R.H. Bank |
| | | Point of exhaust injection (spacer, carburetor, manifold, other) | | Inlet manifold | |
| | Catalytic Converter | Type | | Oxid-Red, Sng bed | Oxid-Red, D bed |
| | | Number of | | One | |
| | | Location(s) | | Mounted to Underbody | |
| | | Volume (L (in ³)) | | 2.6 (160) | 2.8 (170) |
| | | Substrate type | | Pellets | Monolith |
| | Crankcase Emission Control | Type (ventilates to atmosphere, induction system, other) | | Induction system | |
| | | Energy source (manifold vacuum, carburetor, other) | | Manifold vacuum | |
| Discharges (to intake manifold, other) | | Inlet manifold | | | |
| Air inlet (breather cap, other) | | Air cleaner | | | |
| Evaporative Emission Control | Vapor vented to (crankcase, canister, other) | Fuel tank | Canister | | |
| | | Carburetor | -- | Canister | |
| | Vapor storage provision | | Canister | | |
| Electronic system | Closed loop (yes/no) | | Yes | | |
| | Open loop (yes/no) | | No | | |

Engine - Exhaust System

| | | | |
|--|-----------------------------------|---------------------|-----------------------------------|
| Type (single, single with cross-over, dual, other) | | Single | Single with crossover |
| 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 | -- | 50.8x0.81(2.0x.032) ²⁾ |
| | Main o.d., wall thickness | 50.8x1.12(2.0x.044) | 47.8x1.42(1.9x.056) ¹⁾ |
| | Material & Mass [kg (weight lbs)] | Stainless steel | See below ¹⁻²⁾ |
| Inter-mediate pipe | o.d. & wall thickness | 50.8x1.12(2.0x.044) | 50.8x1.09(2.0x.043) |
| | Material & Mass [kg (weight lbs)] | Alumn.coated steel | |
| Tail pipe | o.d. & wall thickness | 50.8x1.4(2.0x.055) | 44.5x1.09(1.75x.043) |
| | Material & Mass [kg (weight lbs)] | Alumn.coated steel | |

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (•) 9-85

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

2.8 LITER-V6 (173 CID)
 2.8 MULTI-PORT FI
 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 | -- |
| Electronic system | Vapor storage provision | | Canister |
| | Closed loop (yes/no) | | Yes |
| | Open loop (yes/no) | | No |

Engine - Exhaust System

| | | |
|--|-----------------------------------|---|
| Type (single, single with cross-over, dual, other) | | Single |
| 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 |
| Inter-mediate 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 tail pipes on Eurosport Sedan and Coupes
 (Single pipe on wagon).

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (#) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

| | |
|---|--|
| 2.5L L-4 (151 CID) Electronic Fuel Inj. RPO LR8 | 2.8L V6 (173 CID) 2-Bb1 Carburetor RPO LE2 |
|---|--|

Transmissions/Transaxle

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

Manual Transmission/Transaxle

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

Clutch (Manual Transmission)

| | | |
|---|---|---|
| Make, type, engagement (describe) - (hydraulic, cable, rod) | | Borg & Beck dry single plate |
| Assist (yes, no / percent) | | Diaphragm |
| Type pressure plate springs | | |
| Total spring load [N (lb.)] | | (1245 lbs.) |
| No. of clutch driven discs | | One |
| Clutch facing | Material | Asbestos |
| | Manufacturer | Borg & Beck |
| | Part number | 476600 |
| | Rivets/plate | 36 |
| | Rivet size | 3.6 x 5.4 (.143 x .213) |
| | Outside & inside dia. | (9.125x6.125) |
| | Total eff. area [cm ² (in. ²)] | (35.94) |
| | Thickness | (.295-.315) |
| Engagement cushion method | | Driven plate wave spoke springs |
| Release bearing | Type & method of lubrication | Ball Thrust Prepacked and Sealed |
| Torsional damping | Method: springs, friction material | Coil Springs & Metal - to-Metal friction |

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

2.8 Liter - V6
 Multi-Port Fuel Injection
 RPO LB6

Transmissions/Transaxle

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

Manual Transmission/Transaxle

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

Clutch (Manual Transmission)

| | | |
|---|---|------------|
| Make, type, engagement (describe) - (hydraulic, cable, rod) | | |
| Assist (yes, no / percent) | | |
| Type pressure plate springs | | |
| Total spring load [N (lb.)] | | NOT |
| No. of clutch driven discs | | APPLICABLE |
| Clutch facing | Material | |
| | Manufacturer | |
| | Part number | |
| | Rivets/plate | |
| | Rivet size | |
| | Outside & inside dia. | |
| | Total eff. area [cm ² (in. ²)] | |
| | Thickness | |
| Engagement cushion method | | |
| Release bearing | Type & method of lubrication | |
| Torsional damping | Method: springs, friction material | |

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

| | |
|--|--|
| 2.5L L4 (151 CID) Electronic Fuel Inj. RPO LR8 | 2.8L V6(173 CID) 2-Bbl. Carburetor RPO LE2 |
|--|--|

Automatic Transmission/Transaxle

| | | |
|--|-------------------------------------|-------------------------|
| Trade name | 3-speed automatic | 4-speed automatic |
| Type and special features (describe) | Torque converter with clutch 125c | 440-T4 |
| Selector | Location | Column or floor |
| | Ltr./No. designation | P-R-N-D-2-1 |
| Gear ratios | R | 2.07 |
| | D | 1.00 |
| | L ₃ | 1.60 |
| | L ₂ | 2.84 |
| | L ₁ | Not Available |
| Max. upshift speed - drive range [km/h (mph)] | 1-2=76(47), 2-3=124(77) | 1-2=69(43), 2-3=124(77) |
| Max. kickdown speed - drive range [km/h (mph)] | 2-1=69(43), 3-2=117(73) | 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 |
| | 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 | |

* - Converter clutch engagement

Axle or Front Wheel Drive Unit

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

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

| | | | | |
|--|------------------------------|------|------|------|
| Axle ratio (or overall top gear ratio) | 2.84 | 3.65 | 3.06 | 2.39 |
| No. of teeth | Pinion or drive gear | 35 | 23 | 35 |
| | Ring gear or gear drive gear | 35 | 84 | 35 |
| Ring gear o.d. or drive gear o.d. | 195.2 | | | |
| Transaxle | Transfer gear ratio | -- | -- | -- |
| | Final drive ratio | -- | -- | -- |

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

2.8 Liter V6 (173 CID)
2.8 Multi-Port FI
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-2-1 |
| Gear ratios | R | 2.07 | 2.38 |
| | D | 1.00* | 1.00* |
| | L ₃ | 1.60 | 1.56 |
| | L ₂ | 2.84 | 2.92 |
| | L ₁ | Not Available | 0.70* |
| 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 | |
| | Nominal diameter | 245 (9.65) | |
| Lubricant | Capacity (refill L (pt.)) | 4.6 (10.0) | 3.0 (6.0) |
| | Type Recommended | Dextron II | |
| Oil cooler (std., opt., NA, internal, external, air, liquid) | | Standard, integral part or radiator | |

* - Converter clutch engagement

Axle or Front Wheel Drive Unit

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

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

| Axle ratio (or overall top gear ratio) | | 2.84 | 3.06 | 3.18 |
|--|--------------------------------|--------|------|------|
| No. of teeth | Pinion (Drive Gear) | 35 | 35 | |
| | Ring gear or gear (Drive Gear) | 35 | 35 | |
| Ring gear o.d. (Pitch Dia.) | | *195.2 | | |
| Transaxle | Transfer gear ratio | -- | | |
| | Final drive ratio | -- | | |

* - Driven gear

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

| | |
|--|---|
| 2.5L L4 (151 CID) Elect. Fuel Inj. RPO LR8 | 2.8L V6 (173 CID) 2-Bbl. Carburetor RPO LE2 |
|--|---|

Axle Shafts – Front Wheel Drive

| | | | |
|---|------------------------------|--|---|
| Number used | | Two | |
| Type (straight, solid bar, tubular, etc.) | | Left | Straight, solid bar |
| | | Right | Straight, solid bar |
| Outer diam. x length* x wall thickness | Manual transmission | Left | 23.91 x 352.95 (1) @ |
| | | Right | 23.91 x 757.15 (1) @ |
| | Automatic transmission | Left | 23.91x346.40(3-spd)(2)@ 23.91x341.90(4-spd)(3)@ |
| | | Right | 23.91x456.40(3-spd)(2)@ 23.91x418.45(4-spd)(3)@ |
| | Optional transmission | Left | None |
| | | Right | None |
| Slip yoke | Type | | None |
| | Number of teeth | | None |
| | Spline o.d. | | None |
| Universal joints | Make and mfg. no. | Inner | Saginaw |
| | | Outer | Saginaw |
| | Number used | | Four 2 each shaft |
| | Type, size, plunge | Inner | Tripot (4) |
| | | Outer | Rzeppa, fixed |
| | Attach (u-bolt, clamp, etc.) | | Splined |
| | Bearing | Type (plain, anti-friction) | Anti-friction |
| Lubrication (fitting, prepack) | | Prepacked | |
| Drive taken through (torque tube, arms or springs) | | Wishbone lower control arm, upper MacPherson strut | |
| Torque taken through (torque tube, arms or springs) | | Engine mounting system | |

@ - Shaft capacity = 2300 N.m

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

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

% - Shaft capacity = 2700 N.m

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb.
 Engine Code

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

Axle Shafts – Front Wheel Drive

| | | | |
|---|------------------------------|--|---|
| Number used | | Two | |
| Type (straight, solid bar, tubular, etc.) | | Left | Straight, solid bar |
| | | Right | Straight, solid bar |
| Outer diam. x length* x wall thickness | Manual transmission | Left | Not Applicable |
| | | Right | Not Applicable |
| | Automatic transmission | Left | 23.91 x 346.40@ (Heavy duty suspension - 27.05 x 346.60)% |
| | | Right | 23.91 x 456.40@ (Heavy duty suspension - 27.05 x 462.60)% |
| | Optional transmission | Left | None |
| | | Right | None |
| Slip yoke | Type | | None |
| | Number of teeth | | None |
| | Spline o.d. | | None |
| Universal joints | Make and mfg. no. | Inner | Saginaw |
| | | Outer | Saginaw |
| | Number used | | Four, two each shaft |
| | Type, size, plunge | Inner | Tripot - Left = 21.88, Right = 24.58 |
| | | Outer | Rzeppa, fixed |
| | Attach (u-bolt, clamp, etc.) | | Splined |
| | Bearing | Type (plain, anti-friction) | Anti-friction |
| | | Lubrication (fitting, prepack) | Prepacked |
| Drive taken through (torque tube, arms or springs) | | Wishbone lower control arm, upper MacPherson strut | |
| Torque taken through (torque tube, arms or springs) | | Engine mounting system | |

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

@ - Shaft capacity = 2300 N.m

% - Shaft capacity = 2700 N.m

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (•) _____

METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

ALL

Suspension - General

| | | |
|------------------------------------|-------------------------|--|
| Car leveling | Std./opt./n.a. | Not available on 1AW19, 27; Rear shocks opt. on 1AW35. |
| | Type (air, hyd., etc.) | Air Inflatable |
| | Manual/auto. controlled | Manual |
| Provision for brake dip control | | Front suspension geometry |
| Provision for accel. squat control | | Rear suspension geometry |
| Provisions for car jacking | | Body pickup at rocker panels |
| Shock absorber (front & rear) | Type | Front: MacPherson strut; Rear: direct, double acting |
| | Make | Delco |
| | Piston diameter | Front: 22 (0.86); Rear: 25 (1.00) |
| | Rod diameter | 13.49 (0.53) |

Suspension - Front

| | | |
|--------------------------------|---|---|
| Type and description | | MacPherson strut with coil springs, stamped lower control arms and nodular iron steering knuckles |
| Drive and torque taken through | | -- |
| Travel | Full jounce | 95.0 mm (3.7 in) |
| | Full rebound | 89.0 mm (3.5 in) |
| Spring | Type (coil, leaf, other) & material | Coil, Steel |
| | Insulators (type & material) | |
| | Size (coil design height & i.d., bar length x dia.) | 260 (10.3) height at checking load; 165.1 (6.5) I.D.; 2768 (108.9) length; 136 (0.54) dia. |
| | Spring rate [N/mm (lb./in.)] | Base 14.5(83.0)F40-23.5(134.0)F41-16.0(91.0) |
| | 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) | Link |
| | Material & bar diameter | Steel; Base 22 (.87), F41 28 (1.10) |

Suspension - Rear

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

| | |
|---------------------|---|
| Sedan/Coupe Base | Sedan/Coupe Medium & Heavy Weight (Also Police) |
|---------------------|---|

Brakes - Service

| | | | | | |
|--|---|---------------------------------|--|----------------------------|-------------------|
| Description | | | Single Caliper Disc Front, Duo-Servo Drum Rear | | |
| Brake type (std., opt., n.a.) | Front (disc or drum) | | Disc | | |
| | Rear (disc or drum) | | Drum | | |
| Self-adjusting (std., opt., n.a.) | | | Standard | | |
| Special valving | Type (proportion, delay, metering, other) | | Proportioning, Diagonal Split Circuit | | |
| | Power brake (std., opt., n.a.) | | Standard | | |
| Booster type (remote, integral, vac., hyd., etc.) | | | Tandem Vacuum | | |
| Vacuum source (in-line, pump, etc.) | | | In-Line (Intake Manifold) | | |
| Vacuum reservoir (volume in. ³) | | | None | | |
| Vacuum pump-type (elec. gear driven, belt driven, if other so state) | | | None | | |
| Anti-skid device type (std., opt., n.a.) (F/R) | | | Not Available | | |
| Effective area [cm ² (in. ²)]* | | | 558 (86.5) | | |
| Gross lining area [cm ² (in. ²)]*(F/R) | | | 553 (85.7) | | |
| Swept area [cm ² (in. ²)]**(F/R) | | | 1803 (279.5) | 1787 (277.0) | |
| Rotor | Outerworking diameter | F/R | 242.4mm (9.54 in) | 256.4 (10.1) | |
| | Inner working diameter | F/R | 149.6mm(5.89in)otr, 141.3mm- | 172.0mm(6.8in)otr, 166.0mm | |
| | Thickness | F/R | 22mm (0.866 in) (5.56in)inr | 26mm (1.02 in) (6.56in) | |
| | Material & type (vented/solid) | F/R | Cast Iron, Vented | | |
| Drum | Diameter & width | F/R | 225x45mm (8.85x1.77 in) | | |
| | Type and material | F/R | Composite, Cast Iron | | |
| Wheel cylinder bore | | | 57mm(2.24in)/17.5mm(0.689in) | 64mm(2.50in)/19mm(0.74in) | |
| Master cylinder | Bore/stroke | F/R | % | # | |
| Pedal arc ratio | | | 3.5:1 | | |
| Line pressure at 445 N(100 lb.) pedal load [kPa (psi)] | | | 12366 (1793) | | |
| Lining clearance | | F/R | Self-Adjust.:Frt-0,Rr-.381mm | | |
| Brake lining | Front wheel | Bonded or riveted (rivets/seg.) | Riveted | | Integrally Molded |
| | | Rivet size | 5.33x9.63mm (0.210x0.379) | | -- |
| | | Manufacturer | Delco Moraine | | |
| | | Lining code***** | DM 8032 | | DM 8032 DL (HEIM) |
| | | Material | Semi-Metallic | | |
| | | **** Primary or out-board | 125x46x10mm (4.92x1.81x.39in) | | |
| | Size Secondary or in-board | 125x46x11mm (4.92x1.81x.43in) | | | |
| | Shoe thickness (no lining) | | Inboard 5, Outboard 3 | | |
| | Rear wheel | Bonded or riveted (rivets/seg.) | Riveted | | |
| | | Manufacturer | Inland | | |
| | | Lining Code***** | 235 FE | | |
| | | Material | Organic | | |
| **** Primary or out-board | | 176x44x6mm (6.39x1.73x.24in) | | | |
| Size Secondary or in-board | | 208x44x7.6mm (8.19x1.73x.30in) | | | |
| Shoe thickness (no lining) | | 2mm (0.0787 in) | | | |

*Excludes rivet holes, grooves, chamfers, etc.

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

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

%-22.2 & 31.8(0.87 & 1.25)/35.75(1.41)
#-24.0 & 31.8(0.94 & 1.25)/35.75(1.41)

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

| | |
|-----------------------|-------------------------------|
| Station Wagon Base | Station Wagon Heavy Weight |
|-----------------------|-------------------------------|

Brakes - Service

| | | | | |
|---|---|--|---|---|
| Description | | Single caliper disc front, duo-servo drum rear | | |
| Brake type (std., opt., n.a.) | Front (disc or drum) | Disc | | |
| | Rear (disc or drum) | Drum | | |
| Self-adjusting (std., opt., n.a.) | | Standard | | |
| Special valving | Type (proportion, delay, metering, other) | Proportioning, diagonal split circuit | | |
| Power brake (std., opt., n.a.) | | Standard | | |
| Booster type (remote, integral, vac., hyd., etc.) | | Tandem vacuum | | |
| Vacuum source (inline, pump, etc.) | | In line (intake manifold) | | |
| Vacuum reservoir (volume in. ³) | | None | | |
| Vacuum pump-type (elec. gear driven, belt driven, if other so state) | | None | | |
| Anti-skid device type (std., opt., n.a.) (F/R) | | Not Available | | |
| Effective area [cm ² (in. ²)]* | | 558 (86.5) | | |
| Gross lining area [cm ² (in. ²)]**(F/R) | | 553 (85.7) | | |
| Swept area [cm ² (in. ²)]**(F/R) | | 1787 (277.0) | | |
| Rotor | Outerworking diameter | F/R | 256.4mm (10.1) | |
| | Inner working diameter | F/R | 177mm (6.97 in) outer, 166.6mm (6.56 in) inner | |
| | Thickness | F/R | 26 mm (1.02 in) | |
| | Material & type (vented/solid) | F/R | Cast iron, vented | |
| Drum | Diameter & width | F/R | 225 x 45 mm (8.85 x 1.77 in) | |
| | Type and material | F/R | Composite, cast iron, finned | |
| Wheel cylinder bore | | | 64mm(2.50in)/20.6mm(0.81in) 64mm(2.50in)/19.0mm(0.74in) | |
| Master cylinder | Bore/stroke | F/R | % # | |
| Pedal arc ratio | | 3.5:1 | | |
| Line pressure at 445 N(100 lb.) pedal load [kPa (psi)] | | 12366 (1793) | | |
| Lining clearance | | F/R | Self adjusting; Front=0, Rear=.381 | |
| Brake lining | Front wheel | Bonded or riveted (rivets/seg.) | | Riveted-Front/Integrally Molded-Rear |
| | | Rivet size | | 5.33x9.63 mm (0.210) |
| | | Manufacturer | | Delco Moraine |
| | | Lining code***** | | DM 8032 |
| | | Material | | Semi-Metallic |
| | | **** Primary or out-board | | 125 x 46 x 10 mm (4.92 x 1.81 x .39 in) |
| | Size Secondary or in-board | | 125 x 46 x 11 mm (4.92 x 1.81 x .43 in) | |
| | Shoe thickness (no lining) | | Inboard 5, Outboard 3 | |
| | Rear wheel | Bonded or riveted (rivets/seg.) | | Riveted |
| | | Manufacturer | | Inland |
| | | Lining Code***** | | 235 FF |
| | | Material | | Organic |
| **** Primary or out-board | | 176 x 44 x 6 mm (6.39 x 1.73 x .24 in) | | |
| Size Secondary or in-board | | 208 x 44 x 7.6 mm (8.19 x 1.73 x .30 in) | | |
| Shoe thickness (no lining) | | 2 mm (0.0787 in) | | |

*Excludes rivet holes, grooves, chamfers, etc.

**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.

%-22.2 & 31.8(0.87 & 1.25)/35.75(1.41)
#-24.0 & 31.8(0.94 & 1.25)/35.75(1.41)

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (*) 9-85

METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

| | |
|---------------------------------|------------------------|
| Sedan, Coupe & Station Wagon | Eurosport (RPO ZV8) |
|---------------------------------|------------------------|

Tires And Wheels (Standard)

| | | | | |
|---------------|---|--|-----------------|--------------|
| Tires | Size (load range, ply) | P185/75R14, BW* | P195/75R14, BW* | |
| | Type (bias, radial, etc.) | Stl Btd Radial | Stl Btd Radial | |
| | Inflation pressure (cold) for recommended max. vehicle load | Front [kPa (psi)] | 240 (35) | 205 (30) |
| | | Rear [kPa (psi)] | 240 (35) | 205 (30) |
| | Rev./mile—at 70 km/h (45 mph) | 526 | 508 | |
| Wheels | Type & material | Steel | Steel | |
| | Rim (size & flange type) | 14 x 5.5 | 14 x 5.5 | |
| | 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, if other describe) | T125/70D14 | T125/70D14 | |
| | 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)

| | | |
|--|------------------|-----------------|
| Size (load range, ply) | P185/75R14, WS* | P195/70R14, BW* |
| Type (bias, radial, etc.) | Stl Btd Radial | Stl Btd Radial |
| Wheel (type & material) | Steel | Aluminum |
| Rim (size, flange type and offset) | 14x5.5, 42.0 | 14x6.5, 34.0 |
| Size (load range, ply) | | |
| Type (bias, radial, etc.) | | |
| Wheel (type & material) | | |
| Rim (size, flange type and offset) | | |
| Size (load range, ply) | P195/75R14, BW* | |
| Type (bias, radial, etc.) | Stl. Btd. Radial | |
| Wheel (type & material) | Steel | |
| Rim (size, flange type and offset) | 14x6.5, 42.0 | |
| Size (load range, ply) | | |
| Type (bias, radial, etc.) | | |
| Wheel (type & material) | | |
| Rim (size, flange type and offset) | | |
| Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position) | | |

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

Brakes - Parking

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

ALL

Steering

| | | | | |
|--|---|--|--|--|
| Manual (std., opt., n.a.) | | Not available | | |
| Power (std., opt., n.a.) | | Standard | | |
| Adjustable steering wheel (tilt, swing, other) | Type and description | Tilt | | |
| | (Std., opt., n.a.) | Optional | | |
| Wheel diameter (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 (f. & r.) | Not available | |
| Scrub Radius* | | Not available | | |
| Manual | Gear | Type | Not available | |
| | | Make | Not available | |
| | | Ratios | Not available | |
| | No. wheel turns (stop to stop) | | Not available | |
| Power | Type (coaxial, linkage, etc.) | | Rack and pinion, integral pump | |
| | Make | | Saginaw Steering Gear | |
| | Gear | Type | Rack and pinion with Integral Power Unit | |
| | | Ratios | "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 | Diameter | Inner bearing | Not applicable to integral bearings. Service only | |
| | | Outer bearing | as assembly | |
| | Thread (size) | | Not applicable | |
| | Bearing (type) | | Integral double row ball, permanently lubricated | |

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Body Type And/Or
Engine Displacement

ALL

Wheel Alignment

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

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

Electrical - Instruments and Equipment

| | | |
|---------------------------|--|---|
| Speed-ometer | Type | In-line with pointer, 6 wheel odometer |
| | Trip odometer (std., opt., n.a.) | Optional |
| EGR maintenance indicator | | Not Available |
| Charge indicator | Type | Tell-tale warning light |
| | Warning device | Not Available |
| Temperature indicator | Type | Tell-tale warning light |
| | Warning device | Not Available |
| Oil pressure indicator | Type | Tell-tale warning light |
| | Warning device | Not Available |
| Fuel indicator | Type | Electric gage with pointer |
| | Warning device | Not Available |
| Wind-shield wiper | Type (standard) | Electric two speed, non-articulated |
| | Type (optional) | Intermittent |
| | Blade length | 457.2 (18.0) |
| | Swept area (cm ² (in. ²)) | 5751 (891.6) |
| Wind-shield washer | Type (standard) | Electric, integral pump/motor, dual nozzle fan spray |
| | Type (optional) | Not Available |
| | Fluid level indicator | Not Available |
| Horn | Type | Electric vibrator |
| | Number used | Two, A & F notes (Option) Base single note |
| Other | | Standard: restraint system warning light and buzzer, parking brake and brake failure warning light Optional: voltmeter, oil pressure, coolant temperature gages, clock (with radio), tachometer, rear window defogger indicator light, tailgate window wiper/washer. |

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (●) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

| | |
|--|--|
| 2.5L L4 (151 CID) Elect. Fuel Inj. RPO LR8 | 2.8L V6 (173 CID) 2-8b1 Carburetor RPO LE2 |
|--|--|

Electrical - Supply System

| | | | |
|-------------------------|--------------------------|--------------------------|-------------------------|
| Battery | Make | Delco Remy | |
| | Model, std., (opt.) | 75-630 Std, N.A., Opt | 70-425 Std, 75-525, Opt |
| | Voltage | 12 Volt | |
| | Amps at 0°F cold crank | 630 Std, N.A. Opt. | 425 Std, 525 Opt. |
| | Minutes-reserve capacity | 90 Std, N.A. Opt. | 75 Std, 90 Opt. |
| | Amp/hrs. - 20 hr. rate | -- | |
| Location | Engine compartment | | |
| Generator or alternator | Type and rating | (a,b,c) | (a,b,c) |
| | Ratio (alt. crank/rev.) | Not Available | 2.63:1 |
| | Optional (type & rating) | None | |
| Regulator | Type | Integral with alternator | |

Electrical - Starting System

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

Electrical - Ignition System

| | | | | |
|-------------|-----------------------------------|-----------------------------------|--------------|--|
| Type | Electronic (std., opt., n.a.) | Not available | | |
| | Other (specify) | High Energy Ignition System (HEI) | | |
| Coil | Make | Delco-Remy | | |
| | Model | Not Available | 1115463 | |
| | Current | Engine stopped - A | 0 | |
| | | Engine idling - A | 5.5 Max | |
| Spark plug | Make | AC | | |
| | Model | R44TSX | R43CTS | |
| | Thread (mm) | 14 | M14x1.25 | |
| | Tightening torque (N·m (lb. ft.)) | 20 (15) | 9-20 (7-15) | |
| | Gap | 1.52 (.060) | 1.143 (.045) | |
| | Number per cylinder | One | | |
| Distributor | Make | Delco Remy | | |
| | Model | -- | 1103569 | |

Electrical - Suppression

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

- (a) - 56 amp with heater, 10 SI (22 amp @ idle).
- (b) - 66 amp with heater and heated backlite, 10 SI (23 amp @ idle).
- (c) - 78 amp with A/C, 15 SI (40 amp @ idle).
- * - Current drain for starting motor is at -20°F.

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (e) _____

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

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

Electrical - Supply System

| | | |
|-------------------------|--------------------------|------------------------------|
| Battery | Make | Delco Remy |
| | Model, std., (opt.) | 75-525 (Std.), 75-630 (Opt.) |
| | Voltage | 12 Volts |
| | Amps at 0°F cold crank | 525 (Std.), 630 (Opt.) |
| | Minutes-reserve capacity | 90 (Std.), 90 (Opt.) |
| | Amp/hrs. - 20 hr. rate | -- |
| Location | | Engine Compartment |
| Generator or alternator | Type and rating | (a,b,c) |
| | Ratio (alt. crank/rev.) | Not Available |
| | Optional (type & rating) | None |
| Regulator | Type | Integral with alternator |

Electrical - Starting System

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

Electrical - Ignition System

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

Electrical - Suppression

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

- (a) - 66 amp with heater
- (b) - 78 amp with heater and heated backlite
- (c) - 97 amp with A/C

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (•) 9-85

METRIC (U.S. Customary)

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

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 rolled-section upper frame; bolted-on hinges. |
| Bumper system front - rear | Steel facebar/impact bar design supported by energy absorbing cylinders for impact management. |
| Anti-corrosion treatment | 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 lacquer or waterbase acrylic enamel | |
| Hood | Hinge location (front, rear) | Rear |
| | Type (counterbalance, prop) | No counterbalance, Prop rod type |
| | Release control (internal, external) | Internal |
| Trunk lid | Type (counterbalance, other) | Torsion bar counterbalance |
| | Internal release control (elec., mech., n.a.) | External mechanical std; Internal elect. opt. |
| Hatch-back lid | Type (counterbalance, other) | Not Applicable |
| | Internal release control (elec., mech., n.a.) | Not Applicable |
| | | |
| | | |
| Vent window control (crank, friction, pivot, power) | Front | None |
| | Rear | None Rear quarter, pivot |
| Seat cushion type (e.g., 60/40, bucket, bench, wire, foam etc.) | Front | Molded polyurethane padding |
| | Rear | Molded polyurethane padding |
| | 3rd seat | -- Molded poly. padding |
| Seat back type (e.g., 60/40, bucket, bench, wire, foam etc.) | Front | Molded polyurethane padding |
| | Rear | Molded polyurethane padding |
| | 3rd seat | -- Molded poly. padding |
| | | |

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

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (e) _____

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

Restraint System

| | | |
|--------------------------------|----------------------|---|
| Active restraint system | Standard/optional | Standard |
| | Type and description | 3 point shoulder and lap belt for driver and R.H. frt pass. Lap belt for all other positions, secured by buckle w/push button release |
| | Location | Front-(3); Rear-(3); Station wagon 3rd seat - (2) |
| 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 | 11413 (1769.0) | 11254 (1744.4) | 17738 (2749.4) |
| Backlight glass exposed surface area [cm ² (in. ²)] | S3 | 4217 (653.6) | | 5837 (904.7) |
| Total glass exposed surface area [cm ² (in. ²)] | S4 | 24155 (3744.0) | 23996 (3719.4) | 32100 (4975.5) |
| Windshield glass (type) | | Curved - Laminated Plate | | |
| Side glass (type) | | Curved - Tempered Plate | | |
| Backlight glass (type) | | Curved - Tempered Plate | | |

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

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (e) 9-85

| | | | |
|------------------|---------------------------|---------------------------|-------------------------|
| Body Type | 2-Door Notchback Coupe | 4-Door Notchback Sedan | 4-Door Station Wagon |
|------------------|---------------------------|---------------------------|-------------------------|

Convenience Equipment (standard, optional, n.a.)

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

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

Car Line CELEBRITY
 Model Year 1986 Issued 7 85 Revised (e) 9 85

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line.
 SAE Ref. no. refers to the definition published in SAE Recommended Practice 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 | L128 | 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 | |
| Rear light 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 Made Using EPA Loaded Vehicle Weight, Loading Conditions.

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

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

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (e) _____

See Key Sheets for definitions

Body Type

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

Front Compartment

| | | | |
|--|-----|-------------|-------------|
| Sg RP front, "X" coordinate | L31 | 1138 (44.8) | |
| Effective head room | H61 | 980 (38.6) | |
| Max. eff. leg room (accelerator) | L34 | 1070 (42.1) | |
| Sg RP to heel point | H30 | 260 (10.2) | 258 (10.2) |
| Sg RP 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 | 1429 (56.3) | 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) | |

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

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 | 916 (36.1) | 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 | 1451 (57.1) | 1427 (56.2) | |
| Hip room | W6 | 1362 (53.6) | 1338 (52.7) | |
| ** Upper body opening to ground | H51 | | | |
| Back angle | L41 | 24.5 | | |
| Hip angle | L43 | 84.0 | 84.5 | 83.0 |
| Knee angle | L45 | 92.5 | 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) | | -- |
| ** Lifter 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.) | | 98.2 | 97.8 | 97.9 |
| Trunk/cargo index (cu. ft.) | | 16.2 | | 41.6 |

All linear dimensions are in millimeters (Inches).
 ** EPA Loaded Vehicle Weight, Loading Conditions

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

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (•) _____

| | | |
|-----------|--------------|----------------------------------|
| Body Type | SAE Ref. No. | 4-Door Station Wagon 1AW35 |
|-----------|--------------|----------------------------------|

Station Wagon – Third Seat Optional-RPO AQ4

| | | |
|-----------------------|-----|-------------|
| 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 | 1376 (54.2) |
| Max. rear opening width above belt | W205 | 996 (39.2) |
| Cargo height | H201 | 803 (31.6) |
| Rear opening height | H202 | 729 (28.7) |
| Tailgate to ground height | H250 | 821 (32.3) |
| Front seat back to load floor height | H197 | 404 (15.9) |
| Cargo volume index [m ³ (ft. ³)] | V2 | 2127 (75.1) |
| Hidden cargo volume [m ³ (ft. ³)] | V4 | -- |
| Cargo volume index-rear of 2-seat | V10 | 1179 (41.6) |

Hatchback – Cargo Space

| | | |
|--|------|----------------|
| 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 | 1.99 (0.078) | | |
| Drag coefficient (Cd) | | | | |

* EPA Loaded Vehicle Weight, Loading Conditions

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

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (•) _____

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

Vehicle Fiducial Marks

| Fiducial Mark Number* | Define Coordinate Location | | |
|-----------------------|---|---|---------------|
| Front | X - | Fiducial mark to vertical base grid line - front measured horizontally, from the base grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt. | |
| | Y - | Fiducial mark to centerline of car - front, width measurement made from centerline car to fiducial mark located on top of the front seat adjuster mounting bolt. | |
| | Z - | Fiducial mark to horizontal base grid line - front, measured vertically from base grid line to front fiducial mark located on top of the front seat adjuster mounting bolt. | |
| Rear | X - | Fiducial mark to vertical base grid line - rear, measured horizontally from base grid line to rear fiducial mark located on the rail (compartment pan-longitudinal). | |
| | Y - | Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on the rail (compartment pan-longitudinal). | |
| | Z - | Fiducial mark to horizontal base grid line - rear, measured vertically from base grid line to the rear fiducial mark located on the rail (compartment pan-longitudinal). | |
| Front | W21 | 564 (22.2) | |
| | 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.

All linear dimensions are in millimeters (inches).

** EPA Loaded Vehicle Weight, Loading Conditions

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

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 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 | Optional | | | | |
| | Hi beam | " | | | | |
| | Replaceable bulb | Not Available (sealed beam) | | | | |
| | Shape | Rectangular | | | | |
| Headlamp other than above | Lo beam | Conventional | | | | |
| | Hi beam | " | | | | |
| | Replaceable | Sealed beam - entire unit replaced | | | | |
| | Shape | Rectangular | | | | |
| | Type | Quad lamp system | | | | |

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (•) _____

METRIC (U.S. Customary)

| Model | Vehicle Mass (weight) | | | | | | | SHIPPING MASS, kg (weight, lb.)** |
|---|-------------------------------|--------|--------|---------------------------|------|--------------|------|---|
| | CURB MASS, kg. (weight, lb.)* | | | % PASS. MASS DISTRIBUTION | | | | |
| | Front | Rear | Total | Pass In Front | | Pass In Rear | | |
| | | | | Front | Rear | Front | Rear | |
| 2-Door Notchback | 768.4 | 451.4 | 1219.8 | | | | | 1183.4 |
| Coupe 1AW27 | (1694) | (995) | (2689) | | | | | (2609) |
| 4-Door Notchback | 767.4 | 465.7 | 1233.1 | | | | | 1196.7 |
| Sedan 1AW19 | (1692) | (1027) | (2719) | | | | | (2638) |
| 4-Door Station Wagon | 754.0 | 539.1 | 1293.1 | | | | | 1256.7 |
| 1AW35 | (1662) | (1188) | (2850) | | | | | (2770) |
| <p>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.</p> | | | | | | | | |
| <p>Shipping Weight - Same as base curb weight, except 3 gallons of gasoline.</p> | | | | | | | | |
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* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.
 ** Shipping mass (weight) definition -

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (●) _____

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

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (•) _____

METRIC (U.S. Customary)

| Equipment | Optional Equipment Differential Mass (weight)* | | | Remarks |
|--|--|---------------|-----------------|--|
| | MASS. kg. (weight. lb.) | | | |
| | Front | Rear | Total | |
| Reclining Driver & Passenger, seat back (Feature included with AR9 bucket seat option) | 1.0 (2.2) | 1.0 (2.2) | 2.0 (4.4) | 2-door model |
| RPO A78 | 1.0 (2.2) | 1.2 (2.6) | 2.2 (4.8) | 4-door model |
| Color-Keyed Floor Mats Front | 1.4 (3.1) | 1.0 (2.2) | 2.4 (5.3) | All models |
| RPO B32 | | | | |
| Color-Keyed Floor Mats Rear | .4 (0.9) | .6 (1.3) | 1.0 (2.2) | All models |
| RPO B33 | | | | |
| Rubber Floor Mats Front | | | | All models |
| RPO B34 | | | | |
| Rubber Floor Mats Rear | | | | All models |
| RPO B35 | | | | |
| Deluxe Luggage Comp Trim | 0 (0) | 3.0 (6.6) | 3.0 (6.6) | 1AW19, 27 models |
| RPO B48 | | | | |
| Celebrity Classic | 2.0 (4.4) | 2.0 (4.4) | 4.0 (8.8) | 1AW19, 27 models, except RPO ZV8 Eurosport. |
| RPO CB5 | | | | |
| Intermittent Windshield Wiper System | .2 (0.4) | 0 | .2 (0.4) | All models |
| RPO CD4 | | | | |
| Tailgate window wiper/washer | 2.8 (6.2) | 1.8 (4.0) | 4.6 (10.2) | 1AW35 only |
| RPO C25 | | | | |
| Electric Rear Window Defogger | 0 (0) | .6 (1.3) | .6 (1.3) | All models |
| RPO C49 | | | | |
| Rear Window Air Deflector | -.8 (-1.8) | 3.0 (6.6) | 2.2 (4.8) | 1AW35 only |
| RPO C51 | | | | |
| Air Conditioning | 20.2 (44.5) | .8 (1.8) | 21.0 (46.3) | 1AW19 & 35 with RPO LE2, LB6, MD9, ME9 & M19 |
| RPO C60 | | | | |
| | 22.0 (48.5) | 1.0 (2.2) | 23.0 (50.7) | 1AW27 & RPO LE2 & LB6 |
| | | | | |
| | 25.4 (56.0) | 1.2 (2.6) | 26.6 (58.6) | 1AW00 & RPO LR8 |
| | | | | |
| Dome Reading Lamp | 0 (0) | .2 (0.4) | .2 (0.4) | All models |
| RPO C95 | | | | |

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (e) _____

METRIC (U.S. Customary)

| Equipment | Optional Equipment Differential Mass (weight)* | | | Remarks |
|--|--|----------------|----------------|--|
| | MASS. kg. (weight, lb.) | | | |
| | Front | Rear | Total | |
| Remote Control Outside | .4 | 0 | .4 | All models |
| Rear View Mirror, L.H. (Black finish) RPO D33 | (0.9) | 0 | (0.9) | |
| Sport Mirrors-L.H. Remote & R.H. Manual.(Black finish) RPO D35 | .8 (1.8) | .4 (0.9) | 1.2 (2.7) | All models |
| Console - used with 45/45 seats or bucket seats RPO D55 | 3.2 (7.0) | 2.8 (6.2) | 6.0 (13.2) | All models |
| Twin Remote Control Sport Mirrors RPO D68 | .8 (1.8) | .6 (1.3) | 1.4 (3.1) | All models |
| Custom Two-Tone Paint (Includes wheel opening and rocker panel moldings) RPO D84 | .4 (0.9) | .4 (0.9) | .8 (1.8) | All models |
| Sport Suspension (Includes larger diameter front & rear stabilizer bars, specific shock absorber valving)RPO F41 | 2.2 (4.8) | .4 (0.9) | 2.6 (5.7) | All 7V8 models with RPO LE2 & LB6 |
| Inflatable Rear Shock absorbers RPO G66 | 0 (0) | 1.0 (2.2) | 1.0 (2.2) | All models |
| Power Brakes RPO J50 | 3.4 (7.5) | .6 (1.3) | 4.0 (8.8) | Base equipment, all models |
| Electronic-Speed Control with Resume SpeedRPO K34 | 2.0 (4.4) | 0 (0) | 2.0 (4.4) | With RPO LE2 & LB6 engines |
| | 2.6 (5.7) | 0 (0) | 2.6 (5.7) | With RPO LR8 engine |
| Engine 2.8 Liter 2-Bbl. (173 C.I.D.) V6 RPO LE2 | 30.0 (66.1) | -2.0 (-4.4) | 28.0 (61.7) | All models with 3-speed auto transmission |
| | 29.4 (64.8) | -2.0 (-4.4) | 27.4 (60.4) | All models with 4-speed auto transmission |

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

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
 Model Year 1986 Issued 7 85 Revised (•) 9 85

METRIC (U.S. Customary)

| Equipment | Optional Equipment Differential Mass (weight)* | | | Remarks |
|--|--|----------------|----------------|---|
| | MASS, kg. (weight, lb.) | | | |
| | Front | Rear | Total | |
| Engine 2.8 Liter MFI (173 C.I.D.) V6 | 35.0 (77.2) | 3.0 (6.6) | 38.0 (83.8) | All models |
| High Output RPO LB6 | | | | |
| Automatic Transmission | 21.4 | .6 | 22.0 | All models |
| 3-speed (THM-125c) RPO MX1 | (47.2) | (1.3) | (48.5) | |
| Automatic Transmission | 38.3 | 0 | 38.3 | All models, all engines, except |
| 4-speed (440-T4) RPO MX0 | (84.4) | (0) | (84.4) | 2.5 Liter L4 (RPO LR8) |
| Wheel Cover Locking Package RPO N18 | .4 (0.9) | .4 (0.9) | .8 (1.8) | All models, used with RPO N95 wire wheel covers |
| Comfortilt Steering Wheel RPO N33 | .6 (1.3) | .4 (0.9) | 1.0 (2.2) | All models, intermittent wipers required RPO CD4 |
| Wire Wheel Covers (Not available with RPO ZV8 Eurosport package.) RPO N95 | 3.2 (7.0) | 3.2 (7.0) | 6.4 (14.0) | All models |
| Sport Wheel Covers RPO PB2 | .8 (1.8) | .6 (1.3) | 1.4 (3.1) | All models, not available with RPO ZV8 Eurosport package |
| Auxiliary Lighting Package RPO TR9 | .2 (0.4) | 0 (0) | .2 (0.4) | All models |
| Heavy Duty Battery RPO UA1 | 3.0 (6.6) | - .6 (-1.3) | 2.4 (5.3) | With RPO LE2 & LB6 engines |
| Gauge Package RPO UF7 | .2 (0.4) | 0 (0) | .2 (0.4) | All models |
| AM/FM Stereo Radio w/o clock ETR type full feature RPO UK4, | .4 (0.9) | 0 (0) | .4 (0.9) | All models, includes 4-speaker system. |
| AM Mono Radio with Clock RPO UL6 | | | | All models |
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*Also see Engine - General Section for dressed engine mass (weight).

MVMA Specifications Form Passenger Car

Car Line CELEBRITY
Model Year 1986 Issued 7-85 Revised (*) _____

METRIC (U.S. Customary)

| Equipment | Optional Equipment Differential Mass (weight)* | | | Remarks |
|---|--|----------------|---------------|--|
| | MASS, kg (weight, lb.) | | | |
| | Front | Rear | Total | |
| AM/FM Stereo Radio/ Stereo Cassette Player/ Clock ETR type. RPO UM6 | .8 (1.8) | .2 (0.4) | 1.0 (2.2) | All models, includes 4-speaker system |
| Dual Note Horns RPO U05 | .6 (1.3) | 0 (0) | .6 (1.3) | All models |
| 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 |
| AM Stereo/FM Stereo, Clock & Stereo Cassette-ETR Type RPO UX1 | .8 (1.8) | .2 (0.4) | 1.0 (2.2) | All models, full feature system. Includes U79 premium rear speakers. |
| Dual Front Coaxial and Dual Rear Standard Range Speakers RPO U64 | .4 (0.9) | 1.8 (4.0) | 2.2 (4.9) | All models |
| AM Pushbutton Radio RPO U63 | .2 (0.4) | 0 (0) | .2 (0.4) | All models |
| Premium Speaker System RPO U79 | .6 (1.3) | 1.2 (2.6) | 1.8 (4.0) | All models, included with UX1 radio |
| Cooling- Heavy Duty RPO V08 | 1.0 (2.2) | - .2 (-0.4) | .8 (1.8) | All models, with RPO LR8 engine and without RPO C60 |
| | 1.0 (2.2) | - .2 (-0.4) | .8 (1.8) | With RPO LR8 and RPO C60 |
| | 4.6 (10.1) | - .8 (-1.8) | 3.8 (8.3) | With RPO LE2 & LB6 & without RPO C60 |
| | 2.0 (4.4) | - .2 (-0.4) | 1.8 (4.0) | With RPO LE2 & LB6 & RPO C60 |
| Bumper Guards - Front and Rear RPO V30 | .6 (1.3) | .4 (0.9) | 1.0 (2.2) | All models |
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*Also see Engine - General Section for dressed engine mass (weight).

**MVMA Specifications Form
Passenger Car**

Car Line CELEBRITY
 Model Year 1986 Issued 7-85 Revised (•) 9-85

METRIC (U.S. Customary)

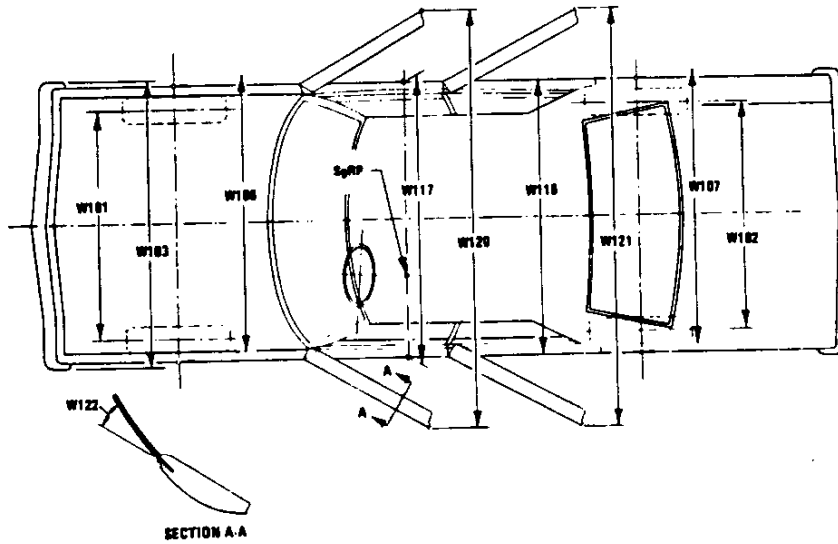
| Optional Equipment Differential Mass (weight)* | | | | |
|---|-------------------------|---------------|---------------|---|
| Equipment | MASS, kg. (weight, lb.) | | | Remarks |
| | Front | Rear | Total | |
| Roof Luggage Carrier RPO V55 | .8 (1.8) | 5.6 (12.3) | 6.4 (14.1) | IAW35 only |
| Deck Lid Luggage Carrier RPO V56 | -.4 (-0.9) | 2.8 (6.2) | 2.4 (5.3) | IAW19, 27 - Black (Eurosport only) or chrome. |
| 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 DB5. 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 |
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*Also see Engine - General Section for dressed engine mass (weight).

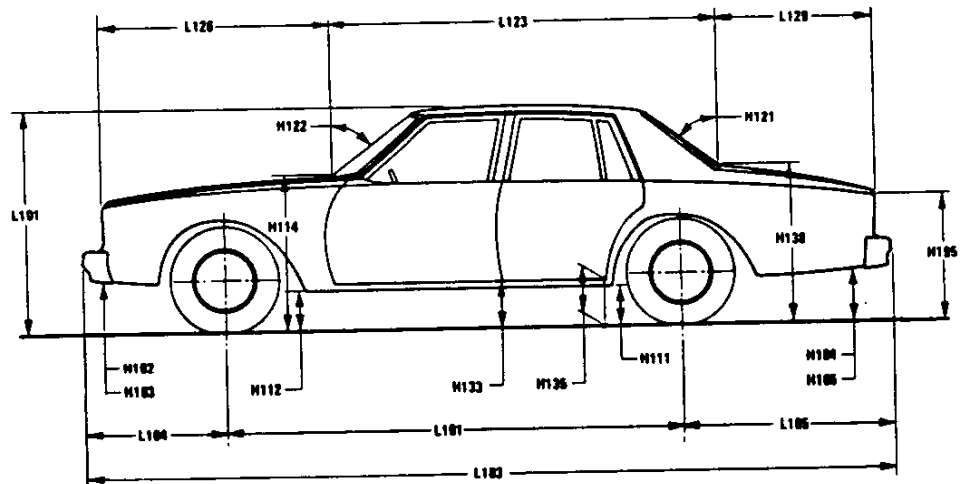
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

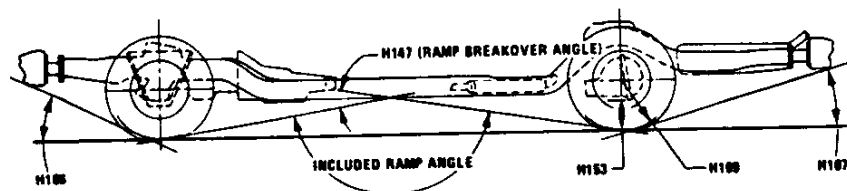
Exterior Width



Exterior Length & Height



Exterior Ground Clearance

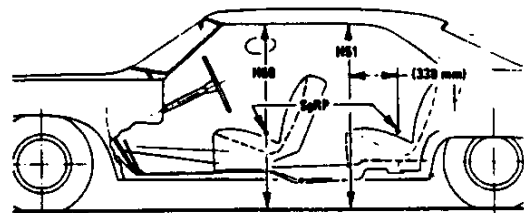
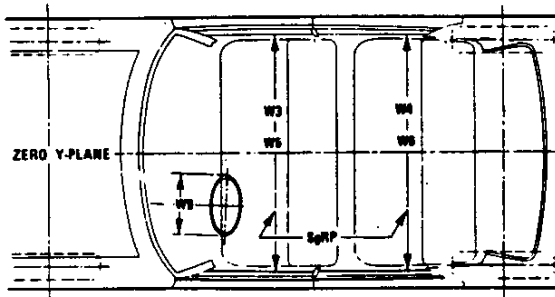
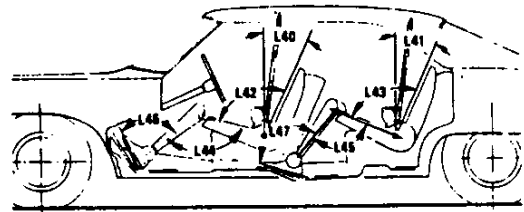
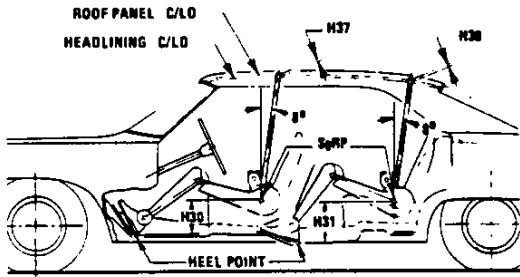
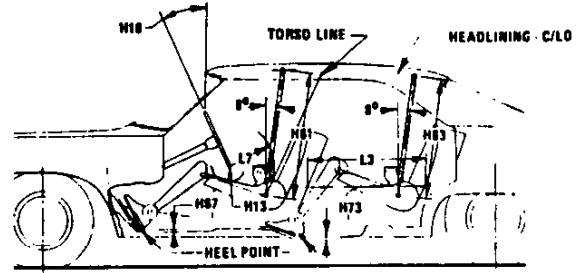
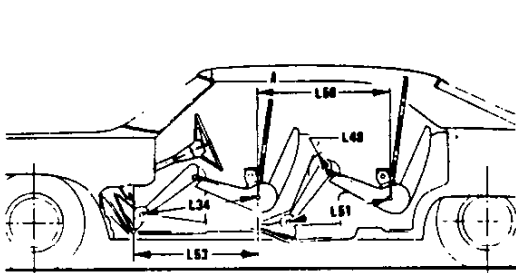


MVMA Specifications Form

Passenger Car

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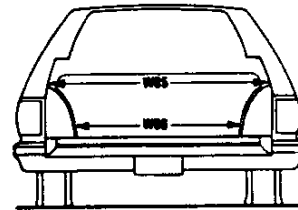
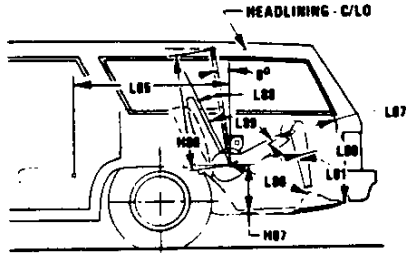
Interior Car And Body Dimensions – Key Sheet



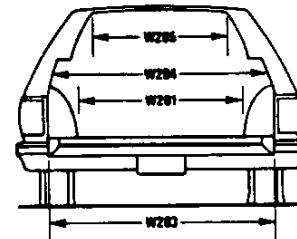
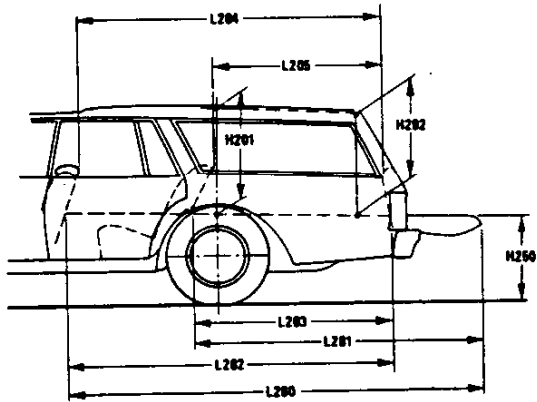
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

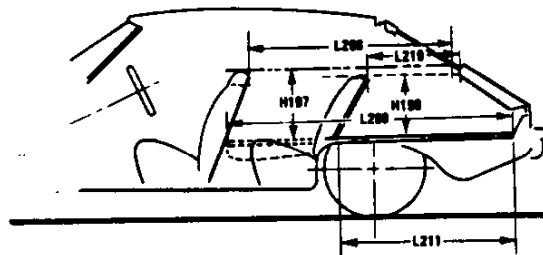
Third Seat



Cargo Space



Station Wagon



Hatchback

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

Dimensions Definitions

Seating Reference Point

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

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

dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.

- L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
- 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.

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

Passenger Car

METRIC (U.S. Customary)

Interior Car 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.
- 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.
- 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.
- L40 BACK ANGLE–FRONT. The angle measured between a vertical line through the SgRP–front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.
- L42 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 front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.

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Interior Car And Body Dimensions - Key Sheet

Dimensions Definitions

- L41 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 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-J1100.
- 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. rear from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in).
- 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 seat back 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 seat back 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.

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Interior Car 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.
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:

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

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

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

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

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