# Specifications Form

# Passenger Car

# 1983

## METRIC (U.S. Customary)

| Manufacturer | Car Line | |
|---|---|---|
| FORD MOTOR COMPANY | FAIRMONT | |
| Mailing Address<br>P. O. BOX 2053<br>DEARBORN, MICHIGAN 48121 | Model Year<br>1983 | Issued:<br>APRIL, 1982<br>Revised (•) |

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown above. This specification form was developed by 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.

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

## Table of Contents



**NOTE:**
1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
   a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
   b. Nominal design dimensions are used throughout these specifications.
   c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

## Car Models

| Model Description | Introduction Date | Make, Car Line, Series, Body Type (Mfgr's Model Code) | No. of Designated Seating Positions (Front/Rear) | Max. Truck/Cargo Load—Kilograms (Pounds) |
|---|---|---|---|---|
| FUTURA | | | | |
| 4-Door Sedan | | 54B | 2/3* | 45.4 (100) |
| 2-Door Sedan | | 66B | 2/3* | 45.4 (100) |
| 2-Door Coupe | | 36R | 2/3* | 45.4 (100) |

*3/3 With Optional Bench Seats.

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Model Year 1983 Issued _____ Revised (*) _____

**Power Teams** (Indicate whether standard or optional)

SAE Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

| SERIES AVAILABILITY | ENGINE | | | | | | TRANSMISSION | AXLE RATIO (std. first) |
|---|---|---|---|---|---|---|---|---|
| | Displ. Liters ($in^3$) | Carb. (Barrels, FI, etc.) | Compr. Ratio | SAE Net at RPM kW (bhp) | SAE Net at RPM Torque N - m (lb. ft.) | Exhaust System* | | |
| | | | | 50 STATES/CANADA | | | | |
| All | 2.3 | 1V | | | | S | M4WR | 3.08-T<br>3.45-A-T |
| | | | | | | S | AT3 | 3.08, 3.45T<br>3.45$P |
| All | 3.3 (200) | 1V | | | | S | AT3 | 2.73-T-A |

M4 - Manual Transmission 4-Speed Wide Ratio
AT3- Automatic Transmission 3-Speed

A - Altitude
T - Traction-Lok Available
$ - Standard Ratio California 4-Door
P - Standard Ratio Police/Taxi

* S—Single D—Dual

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

| Engine Description/Carb. Engine Code | 2.3L/1V (140 CID) |
|---|---|

## ENGINE — GENERAL

| | | |
|---|---|---|
| Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, etc.) | | Inline-Front-Longitudinal Single Overhead Camshaft Engine with Modified Wedge Combustion Chamber |
| No. of cylinders | | Four |
| Bore | | 96.04 (3.78) |
| Stroke | | 79.40 (3.12) |
| Bore spacing (c/l to c/l) | | 105.99 (4.17) |
| Cylinder block material | | Cast Iron |
| Cylinder block deck height | | 212.55 (8.36) |
| Deck clearance (minimum) (above or below block) | | 0.178 (0.007) Above |
| Cylinder head material | | Cast Iron |
| Cylinder head volume ($cm^3$) | | 61.3 |
| Head gasket thickness (compressed) | | 1.09 (0.043) |
| Minimum combustion chamber volume ($cm^3$) | | 76.9 |
| Cyl. no. system (front to rear)* | L. Bank | -- |
| | R. Bank | -- |
| Firing order | | 1, 3, 4, 2 |
| Recommended fuel (leaded, unleaded, diesel) | | Unleaded |
| Fuel antiknock index $\frac{(R + M)}{2}$ | | 87 Minimum Octane |
| Total dressed engine mass (wt) dry** | | |

## Engine — Pistons

| | |
|---|---|
| Material | Aluminum Alloy, SAE-332 |
| Mass, g (weight, oz.) — Piston Only | 500 g. (17.63) |

## Engine — Camshaft

| | | |
|---|---|---|
| Location | | Cylinder Head |
| Material (kg., weight, lbs.) | | Hardenable Cast Iron |
| Mass (kg., weight, lbs.) | | 2.91 (6.42) |
| Type of drive (chain or belt) | Width | 21.8-22.8 (0.86-0.90) Belt Drive |
| | Pitch | 9.52 (0.37) |

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

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

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Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

| Engine Description/Carb. Engine Code | 3.3L/1V (200 CID) |
|---|---|

## ENGINE — GENERAL

| | | |
|---|---|---|
| Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, etc.) | | Inline, Front, Longitudinal, Overhead Valve Engine with Modified Wedge Combustion Chambers |
| No. of cylinders | | Six |
| Bore | | 93.52 (3.68) |
| Stroke | | 79.40 (3.12) |
| Bore spacing (c/l to c/l) | | 104.10 (4.10) |
| Cylinder block material | | Cast Iron |
| Cylinder block deck height | | 198.32 (7.80) |
| Deck clearance (minimum) (above or below block) | | 0.038 (.0015) Below |
| Cylinder head material | | Cast Iron |
| Cylinder head volume ($cm^3$) | | 57.25-60.25 |
| Head gasket thickness (compressed) | | 0.686 (.027) |
| Minimum combustion chamber volume ($cm^3$) | | 69.1 |
| Cyl. no. system (front to rear)* | L. Bank | -- |
| | R. Bank | -- |
| Firing order | | 1, 5, 3, 6, 2, 4 |
| Recommended fuel (leaded, unleaded, diesel) | | Unleaded |
| Fuel antiknock index $\frac{(R+M)}{2}$ | | 87 Minimum Octane |
| Total dressed engine mass (wt) dry** | | 158 Kg (348 lbs.) |

## Engine — Pistons

| | |
|---|---|
| Material | Aluminum Alloy |
| Mass, g (weight, oz.) — Piston Only | 442.5 (17.42) |

## Engine — Camshaft

| | | |
|---|---|---|
| Location | | In Block |
| Material (kg., weight, lbs.) | | Special Alloy Iron |
| Mass (kg., weight, lbs.) | | 8.6 (18.92) |
| Type of drive (chain or belt) | Width | 19.35 (.76) Chain Drive |
| | Pitch | 9.52 (.37) |

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

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

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Model Year 1983 Issued _____ Revised (•) _____

| Engine Description/Carb. Engine Code | |
|---|---|
| | 2.3L/1V (140 CID) |

### Engine — Valve System

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

### Engine — Connecting Rods

| | |
|---|---|
| Material & mass (kg., weight, lbs.) | Forged Steel - SAE-1041-H or SAE-1541-H<br>0.626-0.642 Kg (1.38-1.41 lbs.) |

### Engine — Crankshaft

| | |
|---|---|
| Material (kg., weight, lbs.) | Nodular Cast Iron Alloy |
| Mass (kg., weight, lbs.) | 15.48 (34.13) |
| End thrust taken by bearing (no.) | No. 3 |

### Engine — Lubrication System

| | |
|---|---|
| Normal oil pressure [kPa (psi) at engine rpm] | 345 (50) @ 2000 RPH |
| Type oil intake (floating, stationary) | Stationary |
| Oil filter system (full flow, part, other) | Full Flow |
| Capacity of c/case, less filter-refill-L (qt.) | 3.79 (4.0) + 0.95 (1) For Filter |

### Engine — Diesel Information (NOT OFFERED)

| | | |
|---|---|---|
| Glow plug, current drain at 0°F | | |
| Injector nozzle | Type | |
| | Opening pressure [kPa (psi)] | |
| Pre-chamber design | | |
| Fuel injection pump | Manufacturer | |
| | Type | |
| Supplementary vacuum source (type) | | |

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Model Year 1983 Issued _____ Revised (*) _____

| | |
|---|---|
| **Engine Description/Carb. Engine Code** | 3.3L/1V (200 CID) |

## Engine — Valve System

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

## Engine — Connecting Rods

| | |
|---|---|
| Material & mass (kg., weight, lbs.) | Cast Iron .557-.569 Kg (1.23-1.25 lbs.) |

## Engine — Crankshaft

| | |
|---|---|
| Material (kg., weight, lbs.) | Nodular Cast Iron Alloy |
| Mass (kg., weight, lbs.) | 44.11 (97.24) |
| End thrust taken by bearing (no.) | No. 3 |

## Engine — Lubrication System

| | |
|---|---|
| Normal oil pressure [kPa (psi)] at engine rpm | 345 (50) @ 2000 RPM |
| Type oil intake (floating, stationary) | Stationary |
| Oil filter system (full flow, part, other) | Full Flow |
| Capacity of c/case, less filter-refill-L (qt.) | 4.3 (4.75) Plus .45 (.5) For Filter |

## Engine — Diesel Information (NOT AVAILABLE)

| | | |
|---|---|---|
| Glow plug, current drain at 0°F | | |
| Injector nozzle | Type | |
| | Opening pressure [kPa (psi)] | |
| Pre-chamber design | | |
| Fuel injection pump | Manufacturer | |
| | Type | |
| Supplementary vacuum source (type) | | |

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Model Year 1983 Issued _____ Revised (*) _____

| Engine Description/Carb. Engine Code | 2.3L/1V (140 CID) | 3.3L/1V (200 CID) |
|---|---|---|

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

| | | | | |
|---|---|---|---|---|
| Induction type: carburetor, fuel injection system, etc. | | | IV-Carburetor | Carburetor Down Draft |
| Carburetor | Mfgr. | | Carter | Holley |
| | Choke (type) | | Automatic Electrically Operated | |
| | Idle spd.-rpm (spec. neutral or drive and propane if used) | Manual | 850 Neutral | N.A. |
| | | Automatic | 800 Dr. | 550 RPM |
| | | | | 20-60 RPM Gain |
| Idle A/F mix. | | | | |
| Fuel injection | Point of injection (no.) | | N.A. | |
| | Constant, pulse, flow | | N.A. | |
| | Control (electronic, mech.) | | N.A. | |
| | System pressure [kPa (psi)] | | N.A. | |
| Intake manifold heat control (exhaust or water) thermostatic or fixed | | | Water | Exhaust |
| Air cleaner type | Standard | | Dry Replaceable Element/Hot and Cold Air Supply | |
| | Optional | | N.A. | |
| Fuel pump | Type (elec. or mech.) | | Mechanical | |
| | Location (eng., tank) | | Engine | |
| | Pressure range [kPa (psi)] | | 37.9-44.8 (5.5-6.5) | 41.4-55.2 (6.0-8.0) |

**Fuel Tank**

| | | |
|---|---|---|
| Capacity [refill L (gallons)] | | 60.6 (16 Gal) |
| Location (describe) | | Behind Rear Axle |
| Attachment | | Two Straps with Pin and Loop at Rear, Bolt at Front |
| Material | | Steel (Terne Plate) |
| Filler pipe | Location & material | Right Rear Quarter Panel; Steel |
| | Connection to tank | Rubber Seal |
| Fuel line (material) | | Steel |
| Fuel hose (material) | | Reinforced Rubber |
| Return line (material) | | N.A. |
| Vapor line (material) | | Nylon |
| Extended range tank | Opt., n.a. | Optional |
| | Capacity [L (gallons)] | 75.7 (20 Gal) |
| | Location & material | Behind Rear Axle; Steel |
| | Attachment | Two Straps with Pin and Loop at Rear, Bolt at Front |
| Auxiliary tank | Opt., n.a. | N.A. |
| | Capacity [L (gallons)] | N.A. |
| | Location & material | N.A. |
| | Attachment | N.A. |
| | Selector switch or valve | N.A. |
| | Separate fill | N.A. |

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Model Year 1983 Issued _____ Revised (*) _____

| Engine Description/Carb. Engine Code | 2.3L/1V (140 CID) |
|---|---|

### Engine — Cooling System

| | | | |
|---|---|---|---|
| Coolant recovery system (std., opt., n.a.) | | | Standard |
| Coolant fill location (rad., bottle) | | | Radiator |
| Radiator cap relief valve pressure [kPa (psi)] | | | 82.7-110.3 (12-16) Non A/C, 96.5-124.1 (14-18) with A/C |
| Circulation thermostat | Type (choke, bypass) | | By Pass |
| | Starts to open at °C (°F) | | 87.91 (188-195) |
| Water pump | Type (centrifugal, other) | | Centrifugal-Vane |
| | GPM 1000 pump rpm | | 13.1 |
| | Number of pumps | | One |
| | Drive (V-belt, other) | | V-Belt |
| | Bearing (type) | | Double Row, Sealed, Ball and Roller (3/4") |
| By-pass recirculation [type (inter., ext.)] | | | Internal |
| Radiator core [type (cross-flow vertical cellular tube and fin, other) and material] | | | Downflow - Tube and Slit Fin - Non A/C<br>Crossflow - Tube and Slit Fin - With A/C |
| Cooling system capacity | With heater—L(qt.) | | 9.7 (10.2) |
| | With air cond.—L(qt.) | | N.A. |
| | Opt. equipment [specify—L(qt.)] | | 9.7 (10.2) With A/C |
| Water jackets full length of cyl. (yes, no) | | | Yes |
| Water all around cylinder (yes, no) | | | Yes |
| Radiator core | Standard | Width | 437.9 (17.24) |
| | | Height | 417.6 (16.44) |
| | | Thickness | 32.3 (1.27) |
| | | Fins per inch | Eight |
| | A/C | Width | 623.3 (24.5) |
| | | Height | 453.1 (17.8) |
| | | Thickness | 20.6 (.81) |
| | | Fins per inch | 14 |
| | Heavy duty | Width | 623.3 (24.5) |
| | | Height | 453.1 (17.8) |
| | | Thickness | 37.8 (1.49) |
| | | Fins per inch | 11 |
| Fan (standard) | Number of blades & type (flex, solid, material) | | Four Uneven - Solid - Steel |
| | Diameter & projected width | | 406.6 (16.00) 35.3 (1.39) |
| | Ratio (fan to crankshaft rev.) | | 1.05:1 |
| | Fan cutout type | | N.A. |
| | Drive [type (direct, remote)] | | Direct |
| | Fan shroud (material) | | None |
| Fan (electric) | Diameter & projected width | | N.A. |
| | RPM at idle | | N.A. |
| | Motor rating (wattage) | | N.A. |
| | Motor switch (type & location) | | N.A. |
| | Switch point (temp., pressure) | | N.A. |
| | Fan shroud (material) | | N.A. |
| Fan (optional) | No. of blades and spacing | | Eight-Even-Plastic |
| | Diameter & projected width | | 398.8 (15.7) 46.0 (1.81) |
| | Ratio (fan to crankshaft rev.) | | 1.05:1 |
| | Fan cut-out (type) | | N.A. |
| | Drive (type, direct, remote) | | Viscous Clutch |

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

| | |
|---|---|
| **Engine Description/Carb. Engine Code** | 3.3L/1V (200 CID) |

### Engine — Cooling System

| | | | |
|---|---|---|---|
| Coolant recovery system (std., opt., n.a.) | | | Standard |
| Coolant fill location (rad., bottle) | | | Bottle |
| Radiator cap relief valve pressure [kPa (psi)] | | | 97-124 (14-18) |
| Circulation thermostat | Type (choke, bypass) | | Choke |
| | Starts to open at °C (°F) | | 86-90 (188-195) |
| Water pump | Type (centrifugal, other) | | Centrifugal |
| | GPM 1000 pump rpm | | 16 |
| | Number of pumps | | One |
| | Drive (V-belt, other) | | V-Belt |
| | Bearing (type) | | Double Row, Sealed, Ball and Roller |
| By-pass recirculation [type (inter., ext.)] | | | External |
| Radiator core [type (cross-flow vertical cellular tube and fin, other) and material] | | | Cross Flow, Tube and Fin |
| Cooling system capacity | With heater—L(qt.) | | 7.5 (8.4) |
| | With air cond.—L(qt.) | | 6.8 (7.6) |
| | Opt. equipment [specify—L(qt.)] | | 7.5 (8.4) with A/C |
| Water jackets full length of cyl. (yes, no) | | | Yes |
| Water all around cylinder (yes, no) | | | Yes |
| Radiator core | Standard | Width | 622.3 (24.50) |
| | | Height | 453.1 (17.84) |
| | | Thickness | 20.6 (0.81) |
| | | Fins per inch | Nine |
| | A/C | Width | 622.3 (24.50) |
| | | Height | 453.1 (17.84) |
| | | Thickness | 20.6 (0.81) |
| | | Fins per inch | Eleven |
| | Heavy duty | Width | 622.3 (24.50) |
| | | Height | 453.1 (17.84) |
| | | Thickness | 20.6 (0.81) |
| | | Fins per inch | Fourteen (Police & Taxi) |
| Fan (standard) | Number of blades & type (flex, solid, material) | | Five |
| | Diameter & projected width | | 457.2 (18.0) |
| | Ratio (fan to crankshaft rev.) | | 1.25:1 |
| | Fan cutout type | | Clutch Viscous 155°F Cut-In-Temperature |
| | Drive (type (direct, remote)] | | -- |
| | Fan shroud (material) | | -- |
| Fan (electric) | Diameter & projected width | | N.A. |
| | RPM at idle | | N.A. |
| | Motor rating (wattage) | | N.A. |
| | Motor switch (type & location) | | N.A. |
| | Switch point (temp., pressure) | | N.A. |
| | Fan shroud (material) | | N.A. |
| Fan (optional) | No. of blades and spacing | | N.A. |
| | Diameter & projected width | | N.A. |
| | Ratio (fan to crankshaft rev.) | | N.A. |
| | Fan cut-out (type) | | N.A. |
| | Drive (type, direct, remote) | | N.A. |

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

| **Engine Description/Carb. Engine Code** | 2.3L/1V (140 CID) |
|---|---|

## Vehicle Emission Control

| | | | |
|---|---|---|---|
| Exhaust Emission Control | Type (air injection, engine modifications, other) | | Vehicle, Engine, Carburetor and Distributor Modifications Plus Exhaust Gas Recirculation & Air Inject. |
| | Air Injection | Pump (type) | Vane Type, Constant Displacement (a) |
| | | Driven by | Crank Pulley, Belt |
| | | Air distribution (head, manifold, etc.) | Cylinder Head & Exhaust System |
| | | Point of entry | Exhaust Port in Cyl. Head, Catalyst (Calif), Pipe (49S) |
| | Exhaust Gas Recirculation | Type (controlled flow, open orifice, other) | Controlled Flow |
| | | Exhaust source | External Tube |
| | | Point of exhaust injection (spacer, carburetor, manifold, other) | Spacer |
| | Catalytic Converter | Type | Monolithic |
| | | Number of | One (Calif.) Two (49S) |
| | | Location(s) | Underbody (Calif), Underbody & Toeboard (49S) |
| | | Volume [L (in$^3$)] | 1.1(66)+1.3(78)(Calif),72(44)(49S),1.3(78)-1.5(92)(49S) |
| | | Substrate type | Coated Ceramic |
| Crankcase Emission Control | Type (ventilates to atmosphere, induction system, other) | | Closed Induction System |
| | Energy source (manifold vacuum, carburetor, other) | | Manifold Vacuum |
| | Discharges (to intake manifold, other) | | To Carburetor |
| | Air inlet (breather cap, other) | | VRA Breather Cap |
| Evaporative Emission Control | Vapor vented to (crankcase, canister, other) | Fuel tank | Vented to Carbon Canister |
| | | Carburetor | Externally Vented to Canister<br>Internally Vented to Air Cleaner |
| | Vapor Storage provision (crankcase, canister, other) | | Carbon Canister |

## Engine — Exhaust System

| | | |
|---|---|---|
| Type (single, single with cross-over, dual, other) | | Single |
| Muffler no. & type (reverse flow, straight thru, separate resonator) | | One, Reverse Flow |
| Resonator no. & type | | |
| Exhaust pipe | Branch o.d., wall thickness | |
| | Main o.d., wall thickness | |
| | Material | |
| Intermediate pipe | o.d. & wall thickness | 50.8 X 1.75 (2.00 X .069) |
| | Material | Low Carbon Steel |
| Tail pipe | o.d. & wall thickness | 44.5 X 1.37 (1.75 X .054) |
| | Material | Aluminized Low Carbon Steel |

(a) 49S & A/T is Pulse Air Consisting of Two Dual Reed Assys. and Four Tubes. Tube Point of Entry: Two Exhaust Manifold, One Exhaust Pipe, One Catalyst.

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

**Engine Description/Carb. Engine Code**

3.3L/1V
(200 CID)

### Vehicle Emission Control

| | | | |
|---|---|---|---|
| Exhaust Emission Control | Type (air injection, engine modifications, other) | | Vehicle, Engine, Carburetor and Distributor Modifications Plus Exh. Gas Recirculation & Air Inject. |
| | Air Injection | Pump (type) | Van Type, Constant Displacement (a) |
| | | Driven by | Crank Pulley, Belt |
| | | Air distribution (head, manifold, etc.) | Manifold |
| | | Point of entry | Exhaust Manifold |
| | Exhaust Gas Recirculation | Type (controlled flow, open orifice, other) | Controlled Flow |
| | | Exhaust source | Exhaust Manifold |
| | | Point of exhaust injection (spacer, carburetor, manifold, other) | Log of Intake Manifold |
| | Catalytic Converter | Type | TWC FM & COC Sub-Transverse Underbody |
| | | Number of | Two |
| | | Location(s) | Flange Mounted and Underbody |
| | | Volume [L ($in^3$)] | 2.5 (62) 1.3 (78) |
| | | Substrate type | |
| 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) | | To Carburetor |
| | Air inlet (breather cap, other) | | Carburetor Air Cleaner |
| Evaporative Emission Control | Vapor vented to (crankcase, canister, other) | Fuel tank | Vented to Carbon Canister |
| | | Carburetor | Vented to Carbon Canister |
| | Vapor Storage provision (crankcase, canister, other) | | Carbon Canister |

### Engine — Exhaust System

| | | |
|---|---|---|
| Type (single, single with cross-over, dual, other) | | Single |
| Muffler no. & type (reverse flow, straight thru, separate resonator) | | One, Reverse Flow |
| Resonator no. & type | | |
| Exhaust pipe | Branch o.d., wall thickness | |
| | Main o.d., wall thickness | |
| | Material | |
| Intermediate pipe | o.d. & wall thickness | 50.8 X 1.75 (2.00 X .069) |
| | Material | Low Carbon Steel |
| Tail pipe | o.d. & wall thickness | 50.8 X 1.75 (2.00 X .069) |
| | Material | Aluminized Low Carbon Steel |

(a) 49S & A/T is Pulse Air Consisting of Two Dual Reed Assys. and Four Tubes. Tube Point of Entry: Two Exhaust Manifold, One Exhaust Pipe, One Catalyst.

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# Passenger Car
**METRIC (U.S. Customary)**

Car Line FAIRMONT
Model Year 1983 Issued _____ Revised (•) _____

| Engine Description/Carb. Engine Code | 2.3L/1V (140 CID) | 3.3L/1V (200 CID) |
|---|---|---|

## Electrical — Supply System

| | | | |
|---|---|---|---|
| Battery | Voltage rtg. (V & total plates) | 12 Volt | |
| | Minimum reserve cranking (a) | 380 | 310 |
| | SAE capacity (amps) | Automatic<br>45 AH | Manual<br>36 AH |
| | Location | Right Front Corner of Engine Compartment | 36 AH |
| Generator or alternator | Type and rating | 3-Phase Full Wave Bridge Rectified, Self-Limiting | |
| | Ratio (alt. crank/rev.) | 2.31:1 (b) | |
| | Optional (type & rating) 10300 | E1ZF-AA (40 Amp) Std. (b) | |
| Regulator | Type 10316 | Electronic (E2AF-AA) Std. (E2TF-AA) Opt. | |

## Electrical — Starting System

| | | | |
|---|---|---|---|
| Start. motor | Current drain at 0°F | 260-285 Amps | 280-310 Amps |
| Motor drive | Engagement type | Positive | |
| | Pinion engages from (front, rear) | Front | |

(a) Cold Cranking Amps at 0°F.

(b)

| Optional Alternators (Non-A/C Application) | Drive Ratio |
|---|---|
| E1ZF-DA (40 Amp) 2.3L With Power Steering | 2.31:1 |
| E1ZF-BA (60 Amp) 2.3L With Police or Hvy Duty Fleet | 2.42:1 |
| E1ZF-CA (60 Amp) 3.3L With Police or Hvy Duty Fleet | 2.31:1 |
| E1BF-CA (100 Amp) 3.3L Optional With Police | 2.2:1 |
| **(A/C Application)** | |
| E1ZF-CA (60 Amps) 2.3L Less Power Steering | 2.31:1 |
| E1ZF-BA (60 Amps) 2.3L With Power Steering | 2.42:1 |
| E1ZF-BA (60 Amps) 3.3L | 2.42:1 |
| E1UF-AA (100 Amps) 3.3L Optional With Police | 2.2:1 |

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

Car Line FAIRMONT

Model Year _____ Issued _____ Revised (•) _____

| Engine Description/Carb. Engine Code | 2.3L/1V (140 CID) | 3.3L/1V (200 CID) |
|---|---|---|

## Electrical — Ignition System

| | | | | |
|---|---|---|---|---|
| Type | Conventional (std., opt., n.a.) | | N.A. | |
| | Transistorized (std., opt., n.a.) | | Breakerless Duraspark II | Standard |
| | Other (specify) | | None | |
| Coil | Make | | Motorcraft | |
| | Model -12029- | | D5AE-AB | |
| | Current | Engine stopped — A | 5.0 | |
| | | Engine idling — A | 2.5 | |
| Spark plug | Make | | Motorcraft | |
| | Model | | AWSF-44 | BSF-92 |
| | Thread (mm) | | 14 | 18 |
| | Tightening torque [N-m (lb., ft.)] | | 13.6-20 (10-15) | 20.3-27.1 (15-20) |
| | Gap | | 1.12 (.044) | 1.27 (.050) |
| Distributor | Make | | Motorcraft | |
| | Model -12127- | | E3ZE-DA (M/T) & EA (A/T) | Duraspark |

## Electrical — Suppression

| | |
|---|---|
| Locations & type | Capacitor in Alternator, Resistor Spark Plugs & Resistance Core Ignition Wire. Ground Cable - Engine to Dash Ground Cable, Hood Bond. |

## Electrical — Instruments and Equipment

| | | |
|---|---|---|
| Speed-ometer | Type | Pointer |
| | Trip odometer (std., opt., n.a.) | Standard |
| EGR maintenance indicator | | None |
| Charge indicator | Type | Warning Light-Std., Ammeter (Shunt) 45° Pointer - Opt. |
| | Warning device | None |
| Temperature indicator | Type | Warning Light-Std., Ammeter (Shunt) 45° Pointer - Opt. |
| | Warning device | None |
| Oil pressure indicator | Type | Warning Light-Std., Ammeter (Shunt) 45° Pointer - Opt. |
| | Warning device | None |
| Fuel indicator | Type | Electric Gauge, 45° Pointer |
| | Warning device | Low Fuel Warning Light in Console - Optional (a) |
| Wind-shield wiper | Type (standard) | Two-Speed Electric (Column Mounted Stalk Control) |
| | Type (optional) | Interval Wipe (Column Mounted Stalk Control) |
| | Blade length | 406.4 (16.0) |
| | Swept area [$cm^2$ ($in.^2$)] | 4946 (766.0) |
| Wind-shield washer | Type (standard) | Electric Pump (Impeller Type) |
| | Type (optional) | None |
| | Fluid level indicator | Optional (Warning Light) (a) |
| Horn | Type | Air Electric |
| | Number used | One Lo-Pitch |
| Other See Page 9A | | (a) Graphic Display Indicator System and Electronic Digital Clock Display Indicator System In-Console (Optional w/Console). Also Includes Lamp-Out Indicator for Headlamps, Taillamps or Brakelights. |

Electrical - Instruments and Equipment (Cont'd.):

- Brake System Warning Light
- Emergency Flashers
- Directional Turn Signal Lights
- Hi-Beam Indicator
- Fasten Seat Belts Warning Light
- Shift-Up Indicator Light (W/Manual Transmission)
- 6000 RPM Tachometer (Optional)
- Door Ajar Warning Light and Headlamps "On" Warning Buzzer (Optional)

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

| Engine Description/Carb. Engine Code | 2.3L/1V (140 CID) | 3.3L/1V (200 CID) |
|---|---|---|

### Transmissions

| | | |
|---|---|---|
| Manual 3-speed (std., opt., n.a.) | N.A. | N.A. |
| Manual 4-speed (std., opt., n.a.) | Standard | N.A. |
| Manual 5-speed (std., opt., n.a.) | N.A. | N.A. |
| Manual overdrive (std., opt., n.a.) | N.A. | N.A. |
| Automatic (std., opt., n.a.) | Optional | Standard |
| Automatic overdrive (std., opt., n.a.) | N.A. | N.A. |

### Manual Transmission

| | | | |
|---|---|---|---|
| Number of forward speeds | | | Four |
| Transmission ratios | In first | | 3.98:1 |
| | In second | | 2.14:1 |
| | In third | | 1.49:1 |
| | In fourth | | 1.00:1 |
| | In fifth | | -- |
| | In overdrive | | -- |
| | In reverse | | 3.99:1 |
| Synchronous meshing (specify gears) | | | 1st, 2nd, 3rd, 4th, |
| Shift lever location | | | Floor |
| Lubricant | Capacity [L (pt.)] | | 1.3 (2.8) |
| | Type recommended | | ESP-M2C83-C |
| | SAE viscosity number | Summer | 80 |
| | | Winter | 80 |
| | | Extreme cold | -- |

### Clutch (Manual Transmission)

| | | |
|---|---|---|
| Make & type | | Single Disc, Dry Plate |
| Type pressure plate springs | | Belleville Spring |
| Total spring load [N (lb.)] | | 4693 (1055) |
| No. of clutch driven discs | | One |
| Clutch facing | Material | Woven Non-Asbestos |
| | Manufacturer | Valeo |
| | Part number | -- |
| | Rivets/plate | 12 |
| | Rivet size | 3.6 x 5.6 (9/64 x 7/32) |
| | Outside & inside dia. | 216 x 146 (8.5 x 5.75) |
| | Total eff. area [$cm^2$ ($in.^2$)] | 397.2 (61.56) |
| | Thickness | 3.18 (.125) |
| | Engagement cushion method | Torbend Disc |
| Release bearing | Type & method of lubrication | Self-Centering, Angular Contact, Constant Running, Prepacked |
| Torsional damping | Method: springs, friction material | Steel Coil Springs |

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

| | |
|---|---|
| **Engine Description/Carb. Engine Code** | 2.3L/1V (140 CID) |

## Automatic Transmission

| | | | |
|---|---|---|---|
| Trade name | | | SelectShift (C-3) |
| Type (describe) | | | Torque Converter With Planetary Gears |
| Selector | Location | | Floor and Column |
| | Ltr./No. designation | | P R N D 2 1 |
| Gear ratios | R | | 2.11:1 |
| | D | | 1.00:1 |
| | $L_3$ | | -- |
| | $L_2$ | | 1.47:1 |
| | $L_1$ | | 2.47:1 |
| Max. upshift speed - drive range [km/h (mph)] | | | 123 (76.3) |
| Max. kickdown speed - drive range [km/h (mph)] | | | 120 (74.5) |
| Min. overdrive speed [km/h (mph)] | | | -- |
| Torque converter | Number of elements | | Three |
| | Max. ratio at stall | | 2.90:1 |
| | Type of cooling (air, liquid) | | Liquid |
| | Nominal diameter | | 260.35 (10.25) |
| Lubricant | Capacity [refill L (pt.)] | | 7.6 (16) Approx. |
| | Type recommended | | ESP-M2C138-CJ |
| Special transmission features | | | Transmission Can Be Held In 1 or 2 Position, Vacuum Controlled Throttle Valve. |

## Axle or Front Wheel Drive Unit

| | | | |
|---|---|---|---|
| Type (front, rear) | | | Rear |
| Description | | | Semi-Floating Type With Cast Center and Overhung Pinion |
| Limited slip differential (type) | | | Cone Clutch Type |
| Drive pinion offset | | | 25.4 (1.0) |
| Drive pinion (type) | | | Hypoid |
| No. of differential pinions | | | Two |
| Pinion adjustment (shim, other) | | | Shim |
| Pinion bearing adj. (shim, other) | | | Collapsible Spacer |
| Driving wheel bearing (type) | | | Straight Roller |
| Lubricant | Capacity [L (pt.)] | | 1.5 (3.25) 1.6 (3.55) Traction-Lok |
| | Type recommended | | ESP-M2C154-A EST-M2C118-A Traction-Lok |
| | SAE viscosity number | Summer | SAE 90 |
| | | Winter | SAE 90 |
| | | Extreme cold | SAE 90 |

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

| | | | | |
|---|---|---|---|---|
| Axle ratio or overall ratio | | 3.08:1 | 3.45:1 | 2.73:1 |
| No. of teeth | Pinion | 12 | 11 | 15 |
| | Ring gear or gear | 37 | 38 | 41 |
| Ring gear o.d. | | 190.5 (7.5) | 190.5 (7.5) | 190.5 (7.5) |
| Transaxle | Transfer gear ratio | -- | | |
| | Final drive ratio | -- | | |

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

| **Engine Description/Carb. Engine Code** | 3.3L/1V (200 CID) |
|---|---|

## Automatic Transmission

| | | | |
|---|---|---|---|
| Trade name | | | SelectShift Automatic Transmission (LTC) (a) |
| Type (describe) | | | |
| Selector | Location | | Column/Floor |
| | Ltr./No. designation | | P R N D 2 1 |
| Gear ratios | R | | 2.19:1 |
| | D | | 1.00:1 |
| | $L_3$ | | -- |
| | $L_2$ | | 1.46:1 |
| | $L_1$ | | 2.46:1 |
| Max. upshift speed - drive range [km/h (mph)] | | | 116 (72) |
| Max. kickdown speed - drive range [km/h (mph)] | | | 106 (66.2) |
| Min. overdrive speed [km/h (mph)] | | | -- |
| Torque converter | Number of elements | | Three |
| | Max. ratio at stall | | 2.25:1 |
| | Type of cooling (air, liquid) | | Liquid |
| | Nominal diameter | | 305 (12.0) |
| Lubricant | Capacity [refill L (pt.)] | | 10.4 (22.0) |
| | Type recommended | | ESP-M2C166-H |
| Special transmission features | | | Transmission Can Be Held In "1" or "2" Position, Vacuum Controlled Throttle Valve |

## Axle or Front Wheel Drive Unit

| | | | |
|---|---|---|---|
| Type (front, rear) | | | Rear |
| Description | | | Semi-Floating Type With Cast Center and Overhung Pinion |
| Limited slip differential (type) | | | Cone Clutch Type |
| Drive pinion offset | | | 25.4 (1.0) |
| Drive pinion (type) | | | Hypoid |
| No. of differential pinions | | | Two |
| Pinion adjustment (shim, other) | | | Shim |
| Pinion bearing adj. (shim, other) | | | Collapsible Spacer |
| Driving wheel bearing (type) | | | Roller |
| Lubricant | Capacity [L (pt.)] | | 1.5 (3.25) 1.6 (3.55) Traction-Lok |
| | Type recommended | | ESP-M2C154-A EST-M2C118-A Traction-Lok |
| | SAE viscosity number | Summer | SAE 90 |
| | | Winter | SAE 90 |
| | | Extreme cold | SAE 90 |

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

| | | |
|---|---|---|
| Axle ratio or overall ratio | | |
| No. of teeth | Pinion | |
| | Ring gear or gear | SEE PAGE 11 |
| Ring gear o.d. | | |
| Transaxle | Transfer gear ratio | |
| | Final drive ratio | |

(a) LTC-Locking Torque Converter Except Altitude

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

| Engine Description/Carb. Engine Code | 2.3L/1V (140 CID) | 3.3L/1V (200 CID) |
|---|---|---|

### Propeller Shaft — Conventional Drive

| | | | | |
|---|---|---|---|---|
| Type (straight tube, tube-in-tube, internal-external damper, etc.) | | | Swaged Both Ends (a) | Straight Tube |
| Outer diam. x length* x wall thick-ness | Manual 3-speed trans | | N.A. | |
| | Manual 4-speed trans. | | 76.2 X 1317.2 X 1.65 (3.0 X 51.86 X .065) | N.A. |
| | Manual 5-speed trans. | | N.A. | |
| | Overdrive | | N.A. | |
| | Automatic transmission | | 76.2 X 1345.4 X 1.65 (3.0 X 52.97 X .065) | 69.9 X 1255.0 X 1.65 (b)(c) (2.75 X 49.41 X .065) |
| Inter-mediate bearing | Type (plain, anti-friction) | | N.A. | |
| | Lubrication (fitting, prepack) | | N.A. | |
| Slip yoke | Type | | Tuned Damper | |
| | Number of teeth | | 25 | 28 |
| | Spline o.d. | | 28.321 (1.115) | 30.998 (1.220) |
| Universal joints | Make and mfg. no. | Front | Ford 1310 | |
| | | Rear | Ford 1310 | |
| | Number used | | Two | |
| | Type (ball and trunnion, cross) | | Cross | |
| | Rear attach (u-bolt, clamp, etc.) | | 12 mm Bolts With Loctite | |
| | Bearing | Type (plain, anti-friction) | Anti-Friction | |
| | | Lubric. (fitting, prepack) | Prepack | |
| Drive taken through (torque tube, arms or springs) | | | Control Arms | |
| Torque taken through (torque tube, arms or springs) | | | Control Arms | |

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

(a) Internal Tuned Damper on Manual Transmission

(b) 12" Torque Converter

(c) 10-1/4" Torque Converter - 69.9 X 1272.3 X 1.65 (2.75 X 50.09 X .065)

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

| Engine Description/Carb. Engine Code | ALL MODELS |
|---|---|

## Tires And Wheels (Standard)

| | | | |
|---|---|---|---|
| Tires | Size (load range, ply) | | P175/75R14 BSW (WSW Opt.) |
| | Type (bias, radial, etc.) | | Steel Belted Radial Ply |
| | Inflation pressure (cold) for recommended max. vehicle load | Front [kPa (psi)] | 241 (35) |
| | | Rear [kPa (psi)] | 241 (35) |
| | Rev./mile—at 70 km/h (45 mph) | | 1376 (855) |
| Wheels | Type & material | | Stamped Steel |
| | Rim (size & flange type) | | 356 x 127 (14 x 5.0) JJ |
| | Wheel offset | | 28.45 (1.12) |
| | Attachment | Type (bolt or stud) | Stud |
| | | Circle diameter | 108 (4.25) |
| | | Number & size | Four - $\frac{1}{2}$ - 20 |
| Spare | Tire and wheel (same, if other describe) | | Hi-Pressure Mini-Spare - T125/70D15 BSW 60 PSI 415 kPa 15 x 4 Wheel Temporal Spare |
| | Storage position & location (describe) | | Flat Position, Deep Well in Trunk |

## Tires And Wheels (Optional)

| | |
|---|---|
| Size (load range, ply) | P185/75R14 WSW Std. with A/C (a) |
| Type (bias, radial, etc.) | Steel Belted Radial Ply |
| Wheel (type & material) | Stamped Steel |
| Rim (size, flange type and offset) | 356 x 127 (14 x 5.0) JJ, 28.45 (1.12) Offset |
| Size (load range, ply) | 190/65R390 BSW (28 PSI, F/28 PSI, R) |
| Type (bias, radial, etc.) | Steel Belted Radial |
| Wheel (type & material) | Aluminum |
| Rim (size, flange type and offset) | 390 x 150 (15.37 x 5.90), 25.4 (1.00) Offset |
| Size (load range, ply) "C" Load Range | P205/70R14 BSW (Police Option Only) (b) |
| Type (bias, radial, etc.) | Fabric Belted Radial |
| Wheel (type & material) | Stamped Steel |
| Rim (size, flange type and offset) | 356 x 140 (14 x 5.5) JJ, 28.45 (1.12) Offset |
| Size (load range, ply) | All Tires Except 190/165R390 |
| Type (bias, radial, etc.) | |
| Wheel (type & material) | Styled Wheel |
| Rim (size, flange type and offset) | 356 x 140 (14 x 5.5) JJ, 28.45 (1.12) Offset |
| Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position) | Option #1 - P185/80D14 BSW (35 PSI) w/14 x 5 or 14 x 5.5 Base Steel Road Wheel-Econ. Spare, Std. w/Locker Axle. Option #2-Tire Matching Other Four Tires w/14x5 or 14x5.5 Base Steel Wheel (Conv. Spare). Flat Position-Deep Well in Trunk. |

## Brakes — Parking

| | | |
|---|---|---|
| Type of control | | Foot Operated - Manual Release |
| Location of control | | Left Hand Cowl Side Panel |
| Operates on | | Rear Service Brakes |
| If separate from service brakes | Type (internal or external) | - - |
| | Drum diameter | - - |
| | Lining size (length x width x thickness) | - - |

(a) Optional on Others

(b) 195/70HR14 (30 PSI F&R), (35 PSI F&R)

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

| Body Type And/Or Engine Displacement | ALL MODELS | POLICE & TAXI |
|---|---|---|

### Brakes — Service

| | | | | |
|---|---|---|---|---|
| Description | | | Four Wheel Hydraulic Actuated System | |
| 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) | | Pressure Differential and Proportioning (Rear) | |
| Power brake (std., opt., n.a.) | | | Standard | |
| Booster type (remote, integral, vac., hyd., etc.) | | | Integ. Single Diaphr. Vac. (I-4, I-6) | |
| Anti-skid device type (std., opt., n.a.) | | | | |
| Effective area [$cm^2$($in.^2$)] * | | | Frt:212(32.9),Rr:302(46.9) | Frt:212(32.9),Rr:372(57.6) |
| Gross lining area [$cm^2$($in.^2$)] ** | | | Frt:231(35.8),Rr:332(51.4) | Frt:231(35.8),Rr:434(67.3) |
| Swept area [$cm^2$($in.^2$)] *** | | | Frt:1140(176.6)Rr:638(99.0) | Frt:1140(176.6),Rr:710(110.0) |
| Rotor | Outer working diameter | F | 255.5 (10.06) | |
| | | R | -- | |
| | Inner working diameter | F | 158.0 (6.22) | |
| | | R | -- | |
| | Thickness | F | 22.1 (.87) | |
| | | R | -- | |
| | Material & type (vented/solid) | F | Cast Iron, Vented (Non-Directional) | |
| | | R | -- | |
| Drum | Diameter (nominal) | F | -- | |
| | | R | 228.6 (9.0) | 254.0 (10) |
| | Type and material | | Composite Cast Iron - Steel | |
| Wheel cylinder bore | Front | | 59.9 (2.36) | |
| | Rear | | 20.65 (.813) | |
| Master cylinder | Bore | | 21.0 (.827) | |
| | Stroke | | 37.3 (1.47) | |
| Pedal arc ratio | | | 3.50:1 | |
| Line pressure at 445 N (100 lb.) pedal load [kPa (psi)] | | | | |
| Lining clearance per shoe | Front | | 0.127 (.005) | |
| | Rear | | 0.381 (.015) | |
| Brake lining | Front wheel | Bonded or riveted (rivets/seg.) | Riveted | |
| | | Rivet size | Inboard 4.6x10.2(.18x0.4); Outboard 4.6x7.5(.18x.295) | |
| | | Manufacturer | Bendix | |
| | | Lining code | BX XO EE | |
| | | Material | Semi-Metallic | |
| | | **** Size Primary or out-board | 155 x 44 x 10.2 (6.1 x 1.7 x 0.4) | |
| | | **** Size Secondary or in-board | 119 x 44 x 10.2 (4.7 x 1.7 x 0.4) | |
| | | Shoe thickness (no lining) | 5.1 (0.20) | |
| | Rear wheel | Bonded or riveted (rivets/seg.) | Riveted PRI. 8 SEC. 10 | |
| | | Manufacturer | Bendix FMD, 3198/3199 | Bendix FMD 4641A/3133 |
| | | Lining code | BX RY FE, BX-PM-FE | BX RW FF, BX DV GF |
| | | Material | Molded Asbestos | |
| | | **** Size Primary or out-board | 155x44x4.7(6.12x1.75x0.187) | 217x44x4.7(8.55x1.75x0.187) |
| | | **** Size Secondary or in-board | 219x44x6.2(8.63x1.75x0.245) | 265x44x6.2(10.45x1.75x0.242) |
| | | Shoe thickness (no lining) | 1.709 (.0673) | |

* Excludes rivet holes, grooves, chamfers, etc.

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

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

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

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

| Body Type And/Or Engine Displacement | ALL MODELS |
|---|---|

## Steering

| | | | | |
|---|---|---|---|---|
| Manual (std., opt., n.a.) | | | | Standard |
| Power (std., opt., n.a.) | | | | Optional |
| Adjustable steering wheel (tilt, swing, other) | | Type and description | | 5 Position Tilt |
| | | (Std., opt., n.a.) | | Optional (Requires Power Steering) |
| Wheel diameter | | Manual | | 381 (15), Std, 368 (14.5), Opt. |
| | | Power | | 381 (15), Std, 368 (14.5), Opt. |
| Turning diameter m (ft.) | Outside front | Wall to wall (l. & r.) | | |
| | | Curb to curb (l. & r.) | | 11.87 (38.79) |
| | Inside rear | Wall to wall (l. & r.) | | |
| | | Curb to curb (l. & r.) | | |
| Manual | Gear | Type | | Rack and Pinion |
| | | Make | | Cam Gear Ltd. |
| | | Ratios | Gear | 10.66° per mm of Rack Travel |
| | | | Overall | 24.93:1 on Center, 21.7:1 at Stops |
| | No. wheel turns (stop to stop) | | | 4.08 |
| Power | Type (coaxial, linkage, etc.) | | | Integral Rack and Pinion |
| | Make | | | Gear-(Ford), Pump-(Ford); Fluid ESP-M2C138-CJ |
| | Gear | Type | | Rack and Pinion (Variable Ratio) |
| | | Ratios | Gear | 8.58° per mm of Rack Travel on Ctr, 7.91° per mm at Stops |
| | | | Overall | 20.03:1 on Center, 16.05:1 at Stops |
| | Pump (drive) | | | V-Belt Off Crankshaft Pulley |
| | No. wheel turns (stop to stop) | | | 3.05 |
| Linkage | Type | | | Rack & Pinion (Rod & Ball Joint Directly Attached to Gear) |
| | Location (front or rear of wheels, other) | | | Front of Wheels |
| | Drag links (trans. or longit.) | | | None |
| | Tie rods (one or two) | | | Two (Integral with Gear) |
| Steering axis | Inclination at camber (deg.) | | | 15.7 |
| | Bearings (type) | Upper | | |
| | | Lower | | |
| | | Thrust | | |
| Steering spindle & joint type | | | | Integral w/Wheel Spindle, Ball Socket Joint |
| Wheel spindle | Diameter | Inner bearing | | 34.8 (1.37) |
| | | Outer bearing | | 21.8 (0.86) |
| | Thread (size) | | | 13/16 - 20 UNEF 2A R.H. Thread |
| | Bearing (type) | | | Tapered Roller |

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

**Body Type And/Or Engine Displacement**

ALL MODELS

**Wheel Alignment**

| | | | |
|---|---|---|---|
| Front wheel at curb mass (wt.) | Service checking | Caster (deg.) | $1.13^{\circ} \pm 1.00^{\circ}$ (a) |
| | | Camber (deg.) | $+0.43 \pm 0.75$ |
| | | Toe-in [outside track-mm (in.)] | $+5\ (0.18) \pm 3\ (0.12)$ (b) |
| | Service reset* | Caster | $1.13^{\circ} \pm 1.00^{\circ}$ |
| | | Camber | $+0.43 \pm 0.75$ |
| | | Toe-in | $+(0.18) \pm 3\ (0.12)$ |
| | Periodic M.V. inspection | Caster | $1.13^{\circ} \pm 2.00^{\circ}$ |
| | | Camber | $+0.43 \pm 1.5^{\circ}$ |
| | | Toe-in | $+5\ (0.18) \pm 6.4\ (0.25)$ |
| Rear wheel at curb mass (wt.) | Service checking | Camber (deg.) | - - |
| | | Toe-in [outside track-mm (in.)] | - - |
| | Service reset* | Camber | - - |
| | | Toe-in | - - |
| | Periodic M.V. inspection | Camber | - - |
| | | Toe-in | - - |

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

(a) Max. Side to Side Difference Not to Exceed 0.88
(b) Steering Wheel Must be Within $\pm 10^{\circ}$ of Straight Ahead after Toe Setting

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

| Body Type And/Or Engine Displacement | ALL MODELS |
|---|---|

## Suspension — General

| | | |
|---|---|---|
| Car leveling | Std./opt./n.a. | N.A. |
| | Type (air, hyd., etc.) | -- |
| | Manual/auto. controlled | -- |
| Provision for brake dip control | | Front Springs Mounted on Lower Control Arms |
| Provision for accl. squat control | | Four Bar Link Rear Suspension |
| Special provisions for car jacking | | Notched Rocker Panel Positions |
| Shock absorber (front & rear) | Type | Direct, Dbl. Acting Hydraulic Frt. Struts & Rear Shocks |
| | Make | Motorcraft |
| | Piston diameter | Frt: 34.8 (1.37), Rr: 25.4 (1.0) |
| Other special features | | -- |

## Suspension — Front

| | | |
|---|---|---|
| Type and description | | Hybrid McPherson Strut w/Spg. Mounted on Lower Control Arm |
| Travel | Full jounce | 91.3 (3.59) |
| | Full rebound | 86.7 (3.41) |
| Coil Spring | Type (coil, leaf, other) | Coil |
| | Material | SAE 5160 Steel |
| | Size (coil design height & i.d., bar length x dia.) | 254 x 89.0; 3088 x 15.8 (10.0 x 3.50); (121.57 x 0.622) |
| | Spring rate [N/mm (lb./in.)] | Std. -65.0(370); Also available;72.0(410),77.3(440),80.8(460), |
| | Rate at wheel [N/mm (lb./in.)] | 19 (110) 114.2(650) |
| Stabilizer | Type (link, linkless, frameless) | Link. Rubber Slide Rail Insulator |
| | Material & bar diameter | SAE 1090; Std. Bar-22.3(0.88);Other Bars Avail.:23.9(0.94), 25.4(1.00),26.9(1.06),28.5(1.12) |

## Suspension — Rear

| | | | |
|---|---|---|---|
| Type and description | | | Four Bar Link With Coil Spring on Lower Arm |
| Drive and torque taken through | | | Upper and Lower Control Arms |
| Travel | Full jounce | | 91.4 (3.6) |
| | Full rebound | | 112.4 (4.43) |
| Spring | Type (coil, leaf, other) | | Coil |
| | Material | | SAE 5160-H Steel |
| | Size (length x width, coil design height & i.d., bar length & dia.) | | 229x102(9.01x4.02);2604x13.59(102x0.535)Bar Length & Dia. |
| | Spring rate [N/mm (lb./in.)] | | 35 (200) |
| | Rate at wheel [N/mm (lb./in.)] | | 16.9 (96.5) |
| | Mounting insulation (type) | | Rubber |
| | If leaf | No. of leaves | -- |
| | | Shackle (comp. or tens.) | -- |
| Stabilizer | Type (link, linkless, frameless) | | Linkless (With Handling and Police Options) |
| | Material & bar diameter | | SAE 1090, Handling: 14.0 (.55); TRX:16.0 (.63), Police (a) |
| Track bar (type) | | | None |

(a) Police Stabilizer 12.7 (.56) with 2.3L and 3.3L.

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

| Body Type | 2-DOOR (66B) SEDAN | 4-DOOR (54B) SEDAN | 2-DOOR (36R) COUPE |
|---|---|---|---|

## Body — Miscellaneous Information

| | | |
|---|---|---|
| Type of finish (lacquer, enamel, other) | | Acrylic Enamel |
| Hood | Hinge location (front, rear) | Rear |
| | Type (counterbalance, prop) | |
| | Release control (internal, external) | Internal |
| Trunk lid | Type (counterbalance, other) | |
| | Internal release control (elec., mech., n.a.) | |
| Bumper front | Bar material & mass (wt.) | 7029 Aluminum (Anodized) - 13.3 lb. |
| | Reinforcement material & mass (wt.) | Misc. Reinforcing Brackets - HSLA 50 - 10.6 lb. |
| Bumper rear | Bar material & mass (wt.) | 7029 Aluminum (Anodized) - 13.0 lb. |
| | Reinforcement material & mass (wt.) | Misc. Reinforcing Brackets - HSLA 50 - 10.6 lb. |
| Vent window control (crank, friction, pivot, power) | Front | Optional Crank N.A. |
| | Rear | None |
| Seat cushion type | Front | (a) |
| | Rear | Full Foam Moulded on Steel Frame, Partial Spring |
| | 3rd seat | None |
| Seat back type | Front | (b) |
| | Rear | Moulded Foam Pads, Steel Frame |
| | 3rd seat | None |
| Vehicle ident. no. location | | On Cowl Top Panel at Instrument Panel Top Left Front Edge |

## Passive Restraint System (NOT OFFERED)

| | | |
|---|---|---|
| Inflatable restraint system | Standard/ optional | |
| | Type of charging system | |
| | Location (stg. whl., instru. panel, other) | |
| Passive seat belts | Standard/ optional | |
| | Power/ manual | |
| | 2 or 3 point | |
| | Knee bar/ lap belt | |

## Frame

| | |
|---|---|
| Type and description (separate frame, unitized frame, partially-unitized frame) | Unitized Construction (Bolt-On #2 Crossmember) |

(a) Bucket Seat: Deep Foam, Stamped Frame, Lateral Zig Zag Spring Elements
Bench Seat: Deep Foam, Stamped Frame, Flat Mat, Coil Springs

(b) Bucket Seat: Deep Foam with Included Springs, Stamped Frame
Bench Seat: Deep Foam, Tubular Frame

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

| Body Type | ALL MODELS |
|---|---|

**Convenience Equipment**

| | | |
|---|---|---|
| Power windows | Side windows | Optional |
| | Vent windows | N.A. |
| | Backlight or tailgate | N.A. |
| Power seats (specify type as well as availability) | | Optional 4-Way Bench Seat |
| Reclining front seat back (r-l or both) | | N.A. |
| Radio (specify type as well as availability) | | AM - Standard Optional - AM/FM/Mono., AM/FM/MPX, AM/FM/MPX/Tape, AM/FM/MPX/Cassette |
| Premium sound system (specify) | | Available with Any MPX Radio |
| Rear seat speaker | | Standard with All Stereo Radio Options (Two Required) |
| Power antenna | | N.A. |
| Clock | | Optional Electronic |
| Air conditioner (specify type) | | Optional (Manual) |
| Speed warning device | | N.A. |
| Speed control device | | Optional |
| Ignition lock lamp | | N.A. |
| Dome lamp | | Standard |
| Glove compartment lamp | | Optional |
| Luggage compartment lamp | | Optional |
| Underhood lamp | | Optional |
| Courtesy lamp | | |
| Map lamp | | Optional (Dual Beam Integral w/Dome Lamp) |
| Cornering lamp | | N.A. |
| Rear window defroster electrically heated | | Optional - All Models (Mandatory in New York State) |
| Rear window defogger | | N.A. |
| T-bar roof (describe) | | N.A. |
| Sun roof (describe) | | |
| Theft protection—type | | |
| Graphic Display Warning Indicator | | Optional |
| Illuminated Entry | | Optional |
| Power Door Locks | | Optional |

# FEATURE HIGHLIGHTS

(Manufacturers selected list of special vehicle features; indicate if new or model year introduced)

(REFER TO 1983 PRESS KIT FOR DETAILS)

## BODY:

## CHASSIS:

## ENGINE:

## ELECTRICAL:

## OTHER:

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

## Vehicle Mass (weight)

| Model | CURB MASS, kg. (weight, lb.)* | | | % PASS. MASS DISTRIBUTION | | | | SHIPPING MASS, kg. (weight, lb.)** |
|---|---|---|---|---|---|---|---|---|
| | | | | Pass In Front | | Pass In Rear | | |
| | Front | Rear | Total | Front | Rear | Front | Rear | |
| 3.3L, I-6, Engine | | | | | | | | |
| Automatic Transmission | | | | | | | | |
| 4-Door Sedan 54B | 730 | 575 | 1305 | 48 | 52 | 17 | 83 | 1251 |
| | (1610) | (1267) | (2877) | | | | | (2757) |
| 2-Door Sedan 66B | 724 | 557 | 1281 | 48 | 52 | 17 | 83 | 1227 |
| | (1497) | (1227) | (2824) | | | | | (2704) |
| 2-Door Coupe 36R | 727 | 567 | 1295 | 48 | 52 | 17 | 83 | 1240 |
| | (1603) | (1251) | (2854) | | | | | (2734) |

* Reference — SAE J1100a, Motor vehicle dimensions, curb weight definition.

** Shipping mass (weight) definition — Curb Weight Minus Fuel and Engine Coolant

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

**Optional Equipment Differential Mass (weight)***

| Equipment | MASS, kg. (weight, lb.) Front | Rear | Total | Remarks MODELS 36R | 54B | 66B | |
|---|---|---|---|---|---|---|---|
| POWERTRAIN: | | | | | | | |
| 2.3L w/4-Spd.Man.Trans. | -38.6 (-85) | -15.4 (-34) | -54.0 (-119) | x | x | x | |
| 2.3L w/Auto. Trans. | -38.6 (-85) | -4.1 (-9) | -42.7 (-94) | x | x | x | |
| 3.3L w/Auto. Trans. | -10.0 (-22) | -1.4 (-3) | -11.4 (-25) | x | x | x | |
| AXLES: | | | | | | | |
| Traction-Lok | 2.7 (6) | 0 (0) | 2.7 (6) | x | x | x | |
| TIRES: | | | | | | | |
| P190/65R-390 BSW | 7.7 (17) | 7.7 (17) | 15.4 (34) | x | x | x | (Unique Susp./Wheels) |
| P185/75R-14 Blk | 0.9 (2) | 0.9 (2) | 1.8 (4) | x | x | x | |
| P185/75R-14 WSW | 1.8 (4) | 1.4 (3) | 3.2 (7) | x | x | x | |
| SPARE TIRES: | | | | | | | |
| Economy | -0.5 (-1) | 1.8 (4) | 1.3 (3) | x | x | x | |
| Standard - Delete | -0.5 (-1) | 4.5 (10) | 4.0 (9) | x | x | x | |
| MISCELLANEOUS OPTIONS: | | | | | | | |
| Air Conditioning | | | | | | | |
| 2.3L/4 Spd. Man. Trans. | 28.6 (63) | -1.4 (-3) | 27.2 (60) | x | x | x | |
| 2.3L/C3 Auto. Trans. | 27.7 (61) | -1.4 (-3) | 26.3 (58) | x | x | x | |

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

Legend: NA - Option not available on model indicated, X - Option is available on model indicated, S - Option is standard on model indicated.

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

## Optional Equipment Differential Mass (weight)*

| Equipment | MASS, kg. (weight, lb.) Front | Rear | Total | Remarks |
|---|---|---|---|---|
| | | | | MODELS |
| | | | | 36R 54B 66B |
| MISCELLANEOUS OPTIONS: (Cont'd) | | | | |
| Air Conditioning (Cont'd) | | | | |
| 3.3L | 32.2 (71) | -1.4 (-3) | 30.8 (68) | x x x (w/Heated Backlite) |
| 3.3L | 29.5 (65) | -0.9 (-2) | 28.6 (63) | x x x (w.o./Heated Backlite) |
| ALTERNATORS: | | | | |
| 70 Ampere | 2.3 (5) | 0 (0) | 2.3 (5) | x x x |
| Appearance Protection Group | 2.7 (6) | 0 (0) | 2.7 (6) | x x x |
| RADIO EQUIPMENT: | | | | |
| AM Radio | 0 (0) | 0 (0) | 0 (0) | S S S |
| AM/FM Monaural Radio | 0.5 (1) | 0 (0) | 0.5 (1) | x x x |
| AM/FM/MPX Radio | 0.9 (2) | 0.9 (2) | 1.8 (4) | x x x |
| AM/FM/MPX-Stereo Tape | 2.3 (5) | 0.9 (2) | 3.2 (7) | x x x |
| AM Radio Delete | -1.8 (-4) | -0.5 (-1) | -2.3 (-5) | x x x |
| AM/FM/MPX - Cassette | 1.4 (3) | 0.9 (2) | 2.3 (5) | x x x |
| Premium Sound System | 0.5 (1) | 0.9 (2) | 1.4 (3) | x x x (N.A. w/AM or Monaural) |

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

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

| Equipment | Optional Equipment Differential Mass (weight)* | | | Remarks |
|---|---|---|---|---|
| | MASS, kg. (weight, lb.) | | | |
| | Front | Rear | Total | |
| | | | | MODELS |
| | | | | 36R 54D 66B |
| BATTERIES: | | | | |
| 55 Ampere Range | 5.9 (13) | -0.9 (-2) | 5.0 (11) | x x x |
| 77 Ampere Range | 10.9 (24) | -1.4 (-3) | 9.5 (21) | x x x |
| 45 Ampere Range | 3.2 (7) | -0.5 (-1) | 2.7 (6) | x x x |
| Console | 1.8 (4) | 1.8 (4) | 3.6 (8) | x x x |
| Decor-Luxury (Sedan) | 1.8 (4) | 2.7 (6) | 4.5 (10) | x NA NA |
| | 3.2 (7) | 2.7 (6) | 5.9 (13) | NA x NA |
| Defroster - RW - Electric 3.3L | 3.2 (7) | 0.5 (1) | 3.7 (8) | x x x (Inc. 45 Amp Battery) |
| Door Locks - Power | 1.4 (3) | 0.5 (1) | 1.9 (4) | x NA x |
| | 1.8 (4) | 0.9 (2) | 2.7 (6) | NA x NA |
| EMISSIONS Altitude | | | | |
| 2.3L/4 Spd. Man. Trans. | 3.2 (7) | -0.9 (-2) | 2.3 (5) | x x x |
| 2.3L/C3 | -1.4 (-3) | 0 (0) | -1.4 (-3) | x x x |
| California | | | | |
| 2.3L/4 Spd Man. Trans. | 2.3 (5) | 0 (0) | 2.3 (5) | x x x |

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

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

Car Line FAIRMONT
Model Year 1983 Issued _____ Revised (*) _____

## Optional Equipment Differential Mass (weight)*

| Equipment | MASS, kg. (weight, lb.) Front | Rear | Total | Remarks |
|---|---|---|---|---|
| | | | | MODELS |
| EMISSIONS (Cont'd) | | | | 36R 54B 66B |
| California (Cont'd) | | | | |
| 2.3L/C3 | 3.6 (8) | 0.5 (1) | 4.1 (9) | x x x |
| Canada | | | | |
| 2.3L/4 Spd Man. Trans. | -5.0 (-11) | -1.4 (-3) | -6.4 (-14) | x x x |
| 2.3L/C3 | -4.5 (-10) | 0 (0) | -4.5 (-10) | x x x |
| 3.3L/C512 | -9.5 (-21) | -0.5 (-1) | -10.0 (-22) | x x x |
| Floor Mats - Front | 0.9 (2) | 0.5 (1) | 1.4 (3) | x x x |
| Fuel Economy Leader | | | | |
| 2.3L/4 Spd Man. Trans. | 8.6 (19) | 0.5 (1) | 9.1 (20) | x x x |
| Fuel Tank-Extended Range | -2.3 (-5) | 13.6 (30) | 11.9 (25) | x x x |
| Moulding-Body Side - Wide | 0.5 (1) | 0.9 (2) | 1.4 (3) | S S S |
| Power Side Windows | 2.3 (5) | 2.3 (5) | 4.6 (10) | x NA x |
| | 3.2 (7) | 3.6 (8) | 6.8 (15) | NA x NA |
| SEATS | | | | |
| Bench | 1.4 (3) | 0.5 (1) | 1.9 (4) | x NA x |
| | -0.9 (-2) | -0.5 (-1) | -1.4 (-3) | NA x NA |
| Flight Bench | 3.2 (7) | 2.7 (6) | 5.9 (13) | x NA x (Interior Luxury Group) |
| | 2.3 (5) | 3.2 (7) | 5.5 (12) | NA x NA |

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

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

Car Line FAIRMONT
Model Year 1983 Issued _____ Revised (•) _____

## Optional Equipment Differential Mass (weight)*

| Equipment | MASS, kg. (weight, lb.) Front | Rear | Total | Remarks MODELS 36R | 54D | 66B |
|---|---|---|---|---|---|---|
| SEATS (Cont'd) | | | | | | |
| Bench 4 Way Power | 4.5 | 4.5 | 9.0 | x | x | x |
| | (10) | (10) | (20) | | | |
| Flight Bench 4 Way Power | 4.5 | 4.5 | 9.0 | x | x | NA |
| | (10) | (10) | (20) | | | |
| SPEED CONTROL | 2.3 | 0 | 2.3 | x | x | x |
| | (5) | (0) | (5) | | | |
| STEERING - POWER | | | | | | |
| 2.3L/4 Spd Man. Trans. | 8.6 | -0.9 | 7.7 | x | x | x (with A/C) |
| | (19) | (-2) | (17) | | | |
| | 7.7 | -0.9 | 6.8 | x | x | x (without A/C) |
| | (17) | (-2) | (15) | | | |
| 2.3L/C3 | 8.2 | -0.9 | 7.3 | x | x | x (with A/C) |
| | (18) | (-2) | (16) | | | |
| | 7.7 | -0.9 | 6.8 | x | x | x (without A/C) |
| | (17) | (-2) | (15) | | | |
| 3.3L | 7.7 | -0.9 | 6.8 | x | x | x |
| | (17) | (-2) | (15) | | | |
| SUN ROOF -REMOVABLE GLASS | 5.0 | 6.4 | 11.3 | x | NA | x |
| | (11) | (14) | (25) | | | |
| | 4.1 | 6.4 | 10.5 | NA | x | NA |
| | (9) | (14) | (23) | | | |
| SUSPENSIONS | | | | | | |
| Heavy Duty | | | | | | |
| 2.3L | 3.6 | 0.9 | 4.5 | NA | x | x |
| | (8) | (2) | (10) | | | |
| 3.3L | 1.8 | 0.9 | 2.7 | NA | x | x |
| | (4) | (2) | (6) | | | |

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

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

## Optional Equipment Differential Mass (weight)*

| Equipment | MASS, kg. (weight, lb.) Front | Rear | Total | Remarks |
|---|---|---|---|---|
| | | | | MODELS |
| SUSPENSIONS: (Cont'd) | | | | 36R 54B 66B |
| Handling | | | | |
| 2.3L | 3.6 (8) | 2.7 (6) | 6.3 (14) | x x x |
| 3.3L | 1.8 (4) | 2.7 (6) | 4.5 (10) | x x x |
| Heavy Duty Fleet | | | | |
| 2.3L/C3 | 12.2 (27) | 4.1 (9) | 16.3 (36) | x x x |
| 3.3L | 13.6 (30) | -0.9 (-2) | 12.7 (28) | x x x |
| TOPS: | | | | |
| Full Vinyl | 1.4 (3) | 0.9 (2) | 2.3 (5) | x NA NA |
| | 0.9 (2) | 0.9 (2) | 1.8 (4) | NA x x |
| Partial Vinyl | 0.9 (2) | 0.5 (1) | 1.4 (3) | x NA NA |
| Vent Window - Manual | 2.7 (6) | 0.5 (1) | 3.2 (7) | NA x x |
| WHEELS: | | | | |
| Styled Steel | 2.3 (5) | 2.3 (5) | 4.6 (10) | x x x |
| Steel 14 x 5.5 | 0.9 (2) | 0.9 (2) | 1.8 (4) | x x x |
| WHEEL COVERS: | | | | |
| Deluxe | 0.9 (2) | 0.9 (2) | 1.8 (4) | S S x |

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

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

## Optional Equipment Differential Mass (weight)*

| Equipment | MASS, kg. (weight, lb.) | | | Remarks |
|---|---|---|---|---|
| | Front | Rear | Total | |
| | | | | MODELS |
| | | | | 36R 54D 66B |
| WHEEL COVERS (Cont'd) | | | | |
| Wire | 2.3 | 2.7 | 5.0 | x x x |
| | (5) | (6) | (11) | |

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

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

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

## Optional Equipment Differential Mass (weight)*

| Equipment | MASS, kg. (weight, lb.) Front | Rear | Total | Remarks |
|---|---|---|---|---|
| | | | | MODELS |
| POLICE/TAXI OPTIONS: | | | | 36R 54B 66B |
| Police Package | | | | |
| 2.3L/C3 | 27.7 (61) | 24.0 (53) | 51.7 (114) | NA x NA |
| 3.3L/C512 | 28.1 (62) | 24.5 (54) | 52.6 (116) | NA x NA |
| Taxi Package | | | | |
| 2.3L/C3 | 28.6 (63) | 21.3 (47) | 49.9 (110) | NA x NA |
| 3.3L/C512 | 29.0 (64) | 22.2 (49) | 51.2 (113) | NA x NA |
| Floor Mats - Hvy Duty Blk | 4.5 (10) | 6.8 (15) | 11.3 (25) | NA x NA |
| Axles: | | | | |
| Conventional | 0 (0) | 5.9 (13) | 5.9 (13) | NA x NA |
| Locker | 0 (0) | 8.6 (19) | 8.6 (19) | NA x NA |
| Police Tires: | | | | |
| P195/70HR-14 Blk | 3.6 (8) | 10.0 (22) | 13.6 (30) | NA x NA |
| P205/70R-14 Blk | 4.5 (10) | 12.2 (27) | 16.7 (37) | NA x NA |

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

# MVMA Specifications Form
# Passenger Car

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

## METRIC (U.S. Customary)

## Car and Body Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line.
SAE Ref. no. refers to the definition published in SAE Recommended Practice.
J1100a "Motor Vehicle Dimensions," unless otherwise specified.

| Body Type | SAE Ref. No. | 2-DOOR (66B) SEDAN | 4-DOOR (54D) SEDAN | 2-DOOR (36R) COUPE |
|---|---|---|---|---|
| **Width** | | | | |
| Tread (front) | W101 | 1438 (56.6) | | |
| Tread (rear) | W102 | 1448 (57.0) | | |
| Vehicle width | W103 | 1802 (71.0) | | |
| Body width at Sg RP (front) | W117 | 1746 (68.7) | | |
| Vehicle width (front doors open) | W120 | 3822.7 (150.5) | 3373.1 (132.8) | 3822.7 (150.5) |
| Vehicle width (rear doors open) | W121 | | 3256.3 (128.2) | |
| **Length** | | | | |
| Wheelbase | L101 | 2679 (105.5) | | |
| Vehicle length | L103 | 4965 (195.5) | | 5013 (197.4) |
| Overhang (front) | L104 | 1015 ( 40.0) | | |
| Overhang (rear) | L105 | 1271 ( 50.0) | | 1319 ( 51.9) |
| Upper structure length | L123 | 2517 ( 99.1) | | 2446 ( 96.3) |
| Rear wheel C/L "X" coordinate | L127 | 2323 ( 91.5) | | |
| Cowl point "X" coordinate | L125 | 159 ( 6.3) | | |
| **Height*** | | | | |
| Passenger distribution (frt./rear) | PD1,2,3 | 2/3 | | |
| Trunk/cargo load | | 45.4 (100) | | |
| Vehicle height | H101 | 1344 (52.9) | | 1313 (51.7) |
| Cowl point to ground | H114 | 918 (36.1) | | |
| Deck point to ground | H138 | 925 (36.4) | | 924 (36.4) |
| Rocker panel-front to ground | H112 | 173 ( 6.8) | | |
| Bottom of door closed-front to grd. | H133 | 226 ( 8.9) | 229 (9.0) | |
| Rocker panel-rear to ground | H111 | 145 ( 5.7) | | |
| Bottom of door closed-rear to grd. | H135 | | 221 (8.7) | |
| **Ground Clearance*** | | | | |
| Front bumper to ground | H102 | 341 (13.4) | | |
| Rear bumper to ground | H104 | 251 ( 9.9) | | |
| Bumper to ground [front at curb mass (wt.)] | H103 | 351 (13.8) | | |
| Bumper to ground [rear at curb mass (wt.)] | H105 | 343 (13.5) | | |
| Angle of approach | H106 | 21.5° | | |
| Angle of departure | H107 | 12.0° | | 11.4° |
| Ramp breakover angle | H147 | 8.9° | | |
| Rear axle differential to ground | H153 | 154 (6.1) | | |
| Min. running ground clearance | H156 | 113 (4.4) | | |
| Location of min. run. grd. clear. | | Converter Grass Shield | | |

All linear dimensions are in millimeters (inches) and all mass (weight) specifications are in kilograms (pounds).

* All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified. Manuafacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

# MVMA Specifications Form
# Passenger Car

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

**METRIC (U.S. Customary)**

**Car and Body Dimensions** See Key Sheets for definitions

| Body Type | SAE Ref. No. | 2-DOOR (66B) SEDAN | 4-DOOR (54B) SEDAN | 2-DOOR (36R) COUPE |
|---|---|---|---|---|
| **Front Compartment** | | | | |
| Sg RP front, "X" coordinate | L31 | 1034 (40.7) | | |
| Effective head room | H61 | 975 (38.4) | | 945 (37.2) |
| Max. eff. leg room (accelerator) | L34 | 1059 (41.7) | | |
| Sg RP (front to heel) | H30 | 235 ( 9.2) | | |
| Design H-point front travel | L17 | 139 ( 5.5) | | |
| Shoulder room | W3 | 1430 (56.3) | | |
| Hip room | W5 | 1422 (56.0) | | |
| Upper body opening to ground | H50 | 1229 (48.4) | | 1192 (46.9) |
| Steering wheel angle | H18 | 23.0° | | |
| Back angle | L40 | 25° | | |
| **Rear Compartment** | | | | |
| Sg RP Point couple distance | L50 | 831 (32.7) | | 767 (30.2) |
| Effective head room | H63 | 948 (37.3) | | 915 (36.0) |
| Min. effective leg room | L51 | 907 (35.7) | | 844 (33.2) |
| Sg RP (second to heel) | H31 | 274 (10.8) | | |
| Knee clearance | L48 | 30 ( 1.2) | | -24 (-1.0) |
| Compartment room | L3 | -- | | |
| Shoulder room | W4 | 1414 (55.6) | 1430 (56.3) | 1462 (57.6) |
| Hip room | W6 | 1391 (54.8) | 1364 (53.7) | 1400 (55.1) |
| Upper body opening to ground | H51 | -- | 1226 (48.3) | -- |
| **Luggage Compartment** | | | | |
| Usable luggage capacity [L (cu. ft.)] | V1 | 473 (16.7) | | 466 (16.5) |
| Liftover height | H195 | 751 (29.6) | | 750 (29.5) |

All linear dimensions are in millimeters (inches).

# MVMA Specifications Form
# Passenger Car

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

**METRIC (U.S. Customary)**

**Car and Body Dimensions** See Key Sheets for definitions

| Body Type | SAE Ref. No. | |
|---|---|---|

## Station Wagon — Third Seat (NOT APPLICABLE)

| | | |
|---|---|---|
| Shoulder room | W85 | |
| Hip room | W86 | |
| Effective leg room | L86 | |
| Effective head room | H86 | |
| Effective T-point head room | H89 | |
| Seat facing direction | SD1 | |

## Station Wagon — Cargo Space (NOT APPLICABLE)

| | | |
|---|---|---|
| Cargo length (open front) | L200 | |
| Cargo length (open second) | L201 | |
| Cargo length (closed front) | L202 | |
| Cargo length (closed second) | L203 | |
| Cargo length at belt (front) | L204 | |
| Cargo length at belt (second) | L205 | |
| Cargo width (wheelhouse) | W201 | |
| Rear opening width at floor | W203 | |
| Opening width at belt | W204 | |
| Max. rear opening width above belt | W205 | |
| Cargo height | H201 | |
| Rear opening height | H202 | |
| Tailgate to ground height | H250 | |
| Front seat back to load floor height | H197 | |
| Cargo volume index [$m^3(ft.^3)$] | V2 | |
| Hidden cargo volume [$m^3(ft.^3)$] | V4 | |

## Hatchback — Cargo Space (NOT APPLICABLE)

| | | |
|---|---|---|
| Front seat back to load floor height | H197 | |
| Cargo length at front seat back height | L208 | |
| Cargo length at floor (front) | L209 | |
| Cargo volume index [$m^3(ft.^3)$] | V3 | |
| Hidden cargo volume [$m^3(ft.^3)$] | V4 | |

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

All dimensions are in millimeters (inches).

# MVMA Specifications Form
# Passenger Car

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (*) _____

**METRIC (U.S. Customary)**

**Car and Body Dimensions** See Key Sheets for definitions

| Body Type | 4 DOOR | 2 DOOR |
|---|---|---|

**Vehicle Fiducial Marks**

| Fiducial Mark Number* | Define Coordinate Location |
|---|---|
| Front 1 & 2 | The rear vertical edge of the master control notch on the under side of the front door rocker panels locates the "X" coordinate relative to body grid.<br>X = 444 (17.5)<br>Y = N.A.<br>Z = N.A. |
| 3 & 4 Rear 5 & 6 | The intersection of the horizontal-vertical surfaces on the rocker panel door rabbet locates the "Y" and "Z" coordinates relative to body grid at particular fore-aft inch lines. The fore-aft location can be determined by the reference dimension from - Fiducial Mark 1 and 2. |

| Fiducial Mark Number | | | | | |
|---|---|---|---|---|---|
| 3 & 4 Front | W21 | 754 | (29.7) | | |
| | L54 | 444 | (17.5) | | |
| | H81 | -34 | (-1.3) | | |
| | H161 | - - | - - | | |
| | H163 | - - | - - | | |
| 5 & 6 Rear | W22 | 748 | (29.5) | 751 | (29.6) |
| | L55 | 1625 | (64.0) | 1270 | (50.0) |
| | H82 | -46 | (-1.8) | -43 | (-1.7) |
| | H162 | - - | - - | - - | - - |
| | H164 | - - | - - | - - | - - |

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

# MVMA Specifications Form
# Passenger Car

Car Line FAIRMONT

Model Year 1983 Issued _____ Revised (•) _____

**METRIC (U.S. Customary)**

**Car and Body Dimensions** See Key Sheets for definitions

| Body Type | SAE Ref. No. | ALL MODELS | |
|---|---|---|---|
| **Glass** | | 2-DOOR & 4-DOOR | 2-DOOR COUPE |
| Backlight slope angle (deg.) | H121 | 53.8° | 57° |
| Windshield slope angle (deg.) | H122 | 55° | 58° |
| Tumble-Home (deg.) | W122 | 19.3° | 18.5° |
| Windshield glass exposed surface area [$cm^2$($in.^2$)] | S1 | 8581.2 (1330.0) | |
| Side glass exposed surface area [$cm^2$($in.^2$)] | S2 | 2-DR: 12045.9 (1867.0)<br>4-DR: 11182.6 (1733.2) | 7771.4 (1204.5) |
| Backlight glass exposed surface area [$cm^2$($in.^2$)] | S3 | 7043.0 (1091.6) | 7295.9 (1130.8) |
| Total glass exposed surface area [$cm^2$($in.^2$)] | S4 | 2-DR: 27670.1 (4288.6)<br>4-DR: 26806.8 (4154.8) | |
| Windshield glass (type) | | Compound Curved, Laminated Float | |
| Side glass (type) | | Tempered Curved | |
| Backlight glass (type) | | Compound Curved, Tempered Float | |

**Lamps and Headlamp Shape***

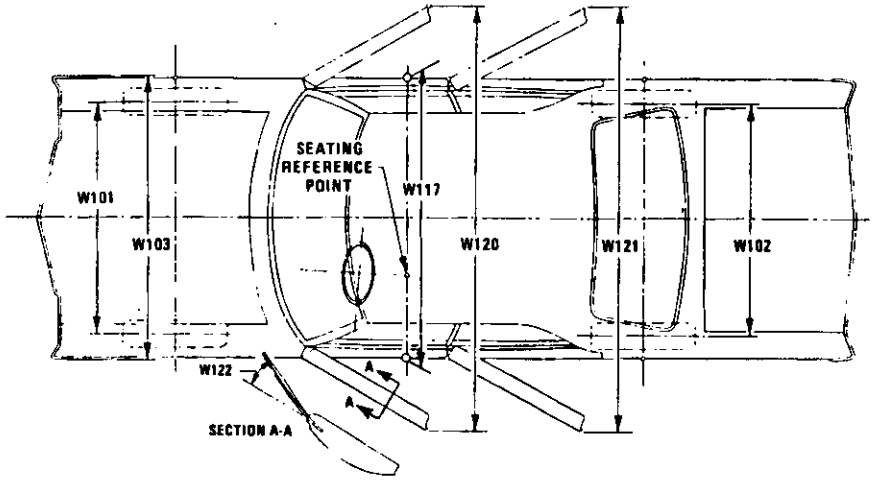
| | | | | |
|---|---|---|---|---|
| Height above ground to center of bulb or marker | Headlamp (H127) | Highest** | 659.9 (25.9) | 679.2 (26.3) |
| | | Lowest | -- | |
| | Taillamp (H128) | Highest** | 611.4 (24.1) | 602.0 (23.7) |
| | | Lowest | 611.3 (24.1) | 602.0 (23.7) |
| | Sidemarker | Front | 485.9 (19.1) | |
| | | Rear | 480.8 (18.9) | |
| Distance from C/L of car to center of bulb | Headlamp | Inside | -- | 490.2 (19.3) |
| | | Outside** | 654.6 (25.8) | 674.6 (26.6) |
| | Taillamp | Inside | 441.2 (17.4) | 407.4 (16.0) |
| | | Outside** | 634.0 (24.9) | 721.4 (28.4) |
| | Directional | Front | 454.7 (17.9) | 485.0 (19.5) |
| | | Rear | 634.0 (24.9) | 721.4 (28.4) |
| Headlamp shape | | | Rectangular | |

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

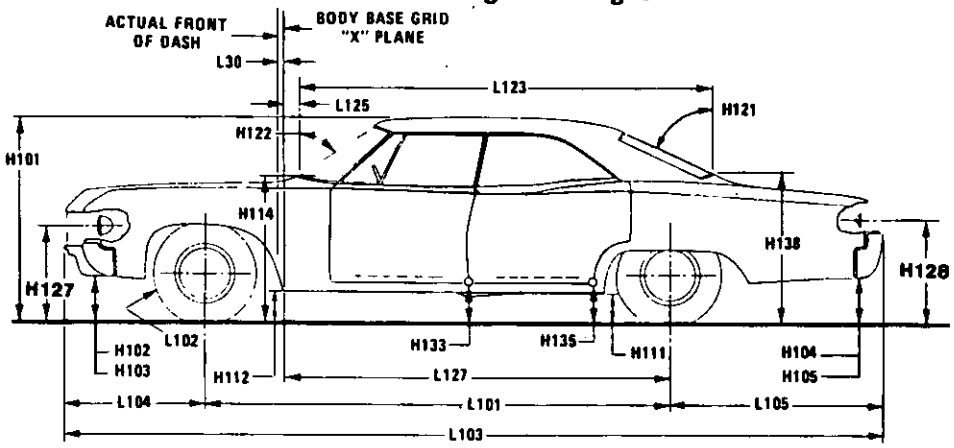
# MVMA Specifications Form
# Passenger Car
**METRIC (U.S. Customary)**

**Exterior Car And Body Dimensions — Key Sheet**

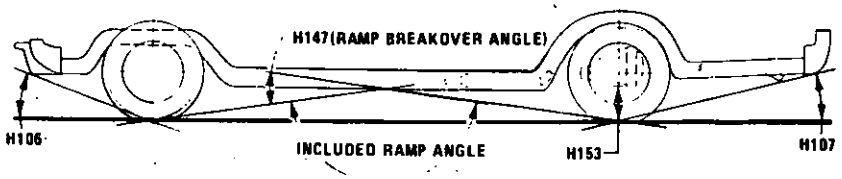
## Exterior Width



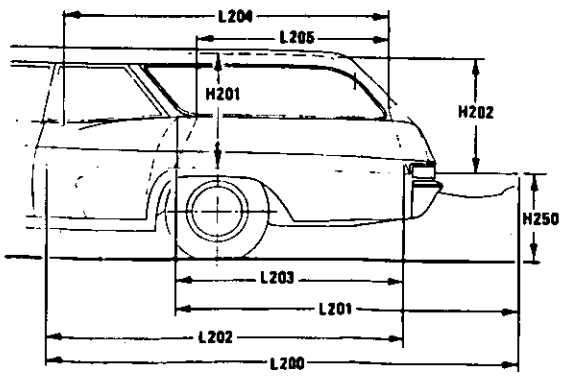

## Exterior Length & Height



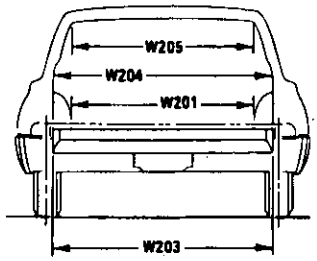

## Exterior Ground Clearance

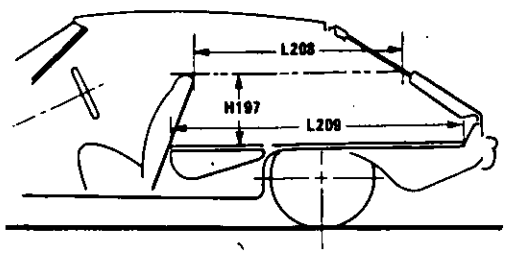



## Cargo Space




Station Wagon



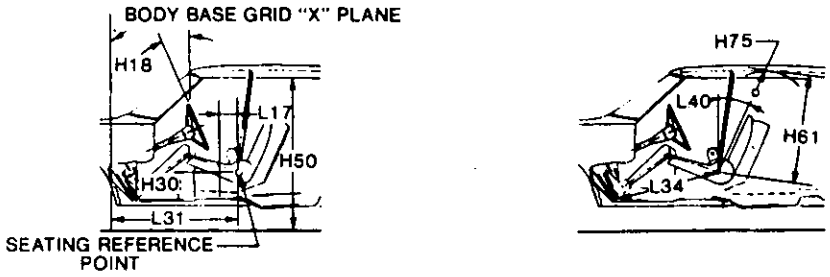




Hatchback

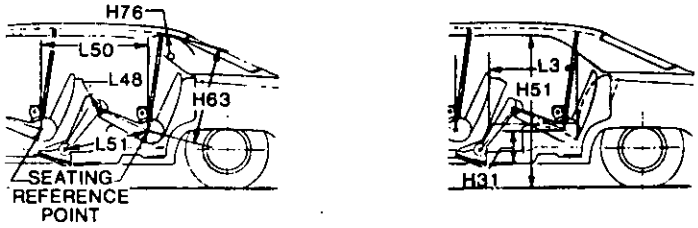
# MVMA Specifications Form
# Passenger Car
**METRIC (U.S. Customary)**

## Interior Car And Body Dimensions – Key Sheet

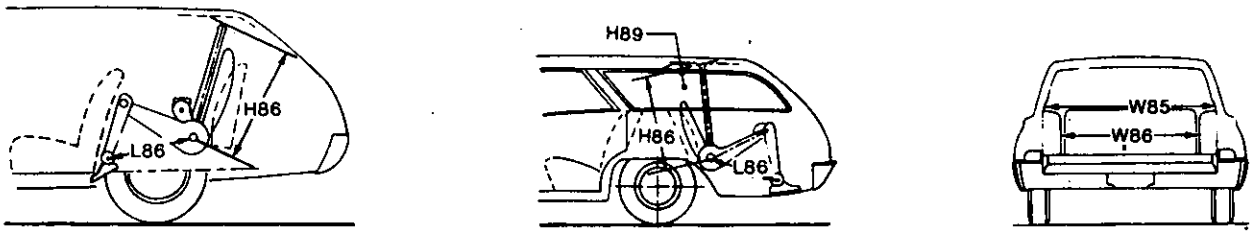
### Front Compartment



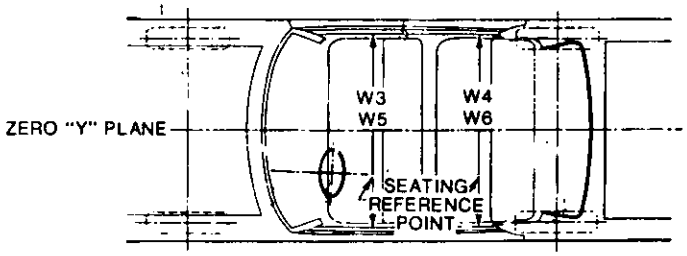

### Rear Compartment




### Third Seat




### Interior Width



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

### Exterior Car And Body Dimensions — Key Sheet
### Dimensions Definitions

**Seating Reference Point**

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

**Width Dimensions**

W101 TREAD—FRONT. The dimension measured between the tire centerlines at the ground.

W102 TREAD—REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.

W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.

W117 BODY WIDTH AT SgRP—FRONT. The dimension measured laterally between the widest points on the body at the SgRP-front, excluding door handles, applied moldings, or appliques.

W120 VEHICLE WIDTH—FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.

W121 VEHICLE WIDTH—REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.

W122 TUMBLE HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.

**Length Dimensions**

L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash in forward of the zero "X" plane.

L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.

L102 TIRE SIZE. As specified by the manufacturer.

L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

L104 OVERHANG—FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

L105 OVERHANG—REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle, including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.

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

L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be in the midpoint of the distance between the rear axle centerlines.

L125 COWL POINT "X" COORDINATE.

**Height Dimensions**

H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.

H114 COWL POINT TO GROUND. Measured at zero "Y" plane.

H138 DECK POINT TO GROUND. Measured at zero "Y" plane.

H112 ROCKER PANEL—FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.

H132 BOTTOM OF DOOR OPEN—FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.

H111 ROCKER PANEL—REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.

H134 BOTTOM OF DOOR OPEN—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.

H135 BOTTOM OF DOOR CLOSED—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.

H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.

H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield are running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in.) long drawn from the lower DLO to the intersecting point on the windshield.

H127 HEADLAMP TO GROUND—CURB MASS (WT.). The dimensional measured vertically from the centerline of the lowest headlamp lens to ground.

H128 TAILLAMP TO GROUND—CURB MASS (WT.). The dimension measured vertically from the centerline of the upper bulb to ground.

**Ground Clearance Dimensions**

H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.

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

### Interior Car And Body Dimensions — Key Sheet
### Dimensions Definitions

H103 FRONT BUMPER TO GROUND CURB MASS (WT.). Measured in the same manner as H104.

H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.

H105 REAR BUMPER TO GROUND—CURB MASS (WT.). Measured in the same manner as H104.

H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.

H107 ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius are the initial point of structural interference rearward of the rear tire to ground: The limiting component shall be designated.

H147 REAR BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.

H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.

H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

**Front Compartment Dimensions**

PD1 PASSENGER DISTRIBUTION—FRONT.

L31 SgRP—FRONT "X" COORDINATED.

H61 EFFECTIVE HEAD ROOM—FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP—front to the headlining plus 102 mm (4.0 in.).

H75 EFFECTIVE T-POINT HEAD ROOM—FRONT. The minimum radius from the T-point to the headlining plus 762 mm (30 in.).

L34 MAXIMUM EFFECTIVE LEG ROOM—ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP—front plus 254 mm (10.0 in.) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.

H30 SgRP—FRONT TO HEEL. The dimension measured vertically from the SgRP—front to the accelerator heel point.

L17 DESIGN H-POINT—FRONT TRAVEL. The dimension measured horizontally between the design H-point—front in the foremost and rearmost seat trace positions.

W3 SHOULDER ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP—front within the belt line and 254 mm (10.0 in.) above the SgRP—front.

W5 HIP ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP—front within 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP—front and 76 mm (3.0 in.) fore and aft the SgRP—front.

H150 UPPER BODY OPENING TO GROUND—FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP—front "X" plane.

H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.

L40 BACK ANGLE—FRONT. The angle measured between a vertical line through the SgRP—front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

**Rear Compartment Dimensions**

PD2 PASSENGER DISTRIBUTION—SECOND.

L50 SgRP COUBLE DISTANCE. The dimension measured horizontally from the driver SgRP—front to the SgRP—second.

H63 EFFECTIVE HEAD ROOM—SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).

H76 EFFECTIVE T-POINT HEAD ROOM—SECOND. Measured in the same manner as H75.

L51 MINIMUM EFFECTIVE LEG ROOM—SECOND. The dimension measured along a line from the ankle pivot center to the SgRP—second plus 254 mm (10.0 in.).

H31 SgRP—SECOND TO HEEL. The dimension measured vertically from the SgRP—second to the two dimensional device heel point on the depressed floor covering.

L48 KNEE CLEARANCE—SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 51 mm (2.0 in.).

L3 COMPARTMENT ROOM—SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.

W4 SHOULDER ROOM—SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP—second within 254-406 mm (10.0-16.0 in.) above the SgRP—second.

W6 HIP ROOM—SECOND. Measured in the same manner as W5.

H51 UPPER BODY OPENING TO GROUND—SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP—second.

**Luggage Compartment Dimensions**

V1 USABLE LUGGAGE CAPACITY—Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100a.

H195 LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

**Station Wagon — Third Seat Dimensions**

PD3 PASSENGER DIRECTION—THIRD.

W85 SHOULDER ROOM—THIRD. Measured in the same manner as W5.

W86 HIP ROOM— THIRD. Measured in the same manner as W5.

L86 EFFECTIVE LEG ROOM—THIRD. The dimension measured along a line from the ankle pivot center to the SgRP—third plus 254 mm (10.0 in.).

H86 EFFECTIVE HEAD ROOM—THIRD. The dimension, measured along a line 8 deg. from the SgRP—third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).

H89 EFFECTIVE T-POINT HEAD ROOM—THIRD. Measured in the same manner as H75.

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

### Interior Car And Body Dimensions — Key Sheet
### Dimensions Definitions

**Station Wagon — Cargo Space Dimensions**

L200 CARGO LENGTH—OPEN—FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

L201 CARGO LENGTH—OPEN—SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

L202 CARGO LENGTH—CLOSED—FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L203 CARGO LENGTH—CLOSED—SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L204 CARGO LENGTH AT BELT—FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab back panel at the height of the belt, on the zero "Y" plane.

L205 CARGO LENGTH AT BELT—SECOND. The minimum dimension measured horizontally from the back of the second seatback at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.

W201 CARGO WIDTH—WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.

W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.

W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.

W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.

H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.

H250 TAILGATE TO GROUND (CURB MASS WT.). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

V2 STATION WAGON

Measured in inches:

$$\frac{W4 \times H201 \times L204}{1728} = ft.^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^9} = m^3 \text{(cubic meter)}$$

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

**Hatchback — Cargo Space Dimensions**

All hatchback cargo dimensions are to be taken with the front seat in full down and rear position, and the rear seat folded down. The hatchback door is in the closed position. (For electrically adjusted seats, see the manufacturer's specifications for Design "H" Point).

H197 FRONT SEATBACK TO LOAD HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.

L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seat back to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.

L209 CARGO LENGTH AT FLOOR—FRONT—HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

V3 HATCHBACK.

Measured in inches:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = ft.^3$$

Measured in mm:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^9} = m^3 \text{(cubic meter)}$$

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

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