

# MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

## 1994

|                                                                                |                                    |         |
|--------------------------------------------------------------------------------|------------------------------------|---------|
| Manufacturer<br><b>HONDA MOTOR CO., LTD.</b>                                   | Vehicle Line<br><br><b>PRELUDE</b> |         |
| Mailing Address<br><br><b>2-1-1, MINAMI-AOYAMA, MINATO-KU<br/>TOKYO, JAPAN</b> | Issued<br><b>August, 1993</b>      | Revised |

Direct questions concerning these specifications to the manufacturer listed above. The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This specification from was developed by the vehicle manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc. The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.



Motor Vehicle Manufacturers Association  
of the United States, Inc.

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# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line

PRELUDE

Model Year

1994

Issued

Aug., 1993

Revised(●)

## Vehicle Origin

|                                                |                       |
|------------------------------------------------|-----------------------|
| Design & development (company)                 | Honda R & D CO., LTD. |
| Where built (country)                          | Japan                 |
| Authorized U.S. sales marketing representative | American Honda Motor  |

## Vehicle Models

| Model Description & Drive (FWD/RWD/AWD/4WD)* | Introduction Date | Make, Vehicle Models, Series, Body Type (Mfgr's Model Code) | No. of Designated Seating Positions (Front/Rear) | Max. Trunk/Cargo Load-Kilograms (Pounds) | EPA Fuel Economy (City/Hwy) |
|----------------------------------------------|-------------------|-------------------------------------------------------------|--------------------------------------------------|------------------------------------------|-----------------------------|
| PRELUDE (FWD)                                | Sep., 1993        | PRELUDE S 5M*1 (BA814)                                      | 2 / 2                                            | 45 (100)                                 | 24 / 29                     |
|                                              |                   | PRELUDE S 4A*2 (BA824)                                      |                                                  |                                          | 23 / 28                     |
|                                              |                   | PRELUDE Si 5M*1 (BB215)                                     |                                                  |                                          | 22 / 26                     |
|                                              |                   | PRELUDE Si 4A*2 (BB225)                                     |                                                  |                                          | 22 / 27                     |
|                                              |                   | PRELUDE Si (4WS) 5M*1 (BB216)                               |                                                  |                                          | 22 / 26                     |
|                                              |                   | PRELUDE Si (4WS) 4A*2 (BB226)                               |                                                  |                                          | 22 / 27                     |
|                                              |                   | PRELUDE VTEC 5M*1 (BB117)                                   |                                                  |                                          | 22 / 26                     |
|                                              |                   |                                                             |                                                  |                                          |                             |
|                                              |                   |                                                             |                                                  |                                          |                             |

\*1 : 5-speed manual transmission

\*2 : 4-speed automatic transmission

\* FWD - Front Wheel Drive

RWD - Rear Wheel Drive

AWD - All Wheel Drive

4WD - Four Wheel Drive

# MVMA Specifications

METRIC (U.S. Customary)

## Table of Contents

---

|         |                                               |
|---------|-----------------------------------------------|
| 1       | Vehicle Models/Origin                         |
| 2       | Power Teams                                   |
| 3       | Engine                                        |
| 4       | Lubrication System                            |
| 4       | Diesel Information                            |
| 5       | Cooling System                                |
| 6       | Fuel System                                   |
| 7       | Vehicle Emission Control                      |
| 7       | Exhaust System                                |
| 8 - 10  | Transmission, Axles and Shafts                |
| 11      | Suspension                                    |
| 12 - 13 | Brakes, Tires and Wheels                      |
| 14      | Steering                                      |
| 15 - 16 | Electrical                                    |
| 17      | Body - Miscellaneous Information              |
| 17      | Frame                                         |
| 18      | Restraint System                              |
| 18      | Glass                                         |
| 18      | Headlamps                                     |
| 19      | Climate Control System                        |
| 20 - 21 | Convenience Equipment                         |
| 21      | Trailer Towing                                |
| 22 - 24 | Vehicle Dimensions                            |
| 25      | Vehicle Fiducial Marks                        |
| 26      | Vehicle Mass (Weight)                         |
| 27      | Optional Equipment Differential Mass (Weight) |
| 28 - 34 | Vehicle Dimensions Definitions - Key Sheets   |
| 35      | Index                                         |

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### NOTE :

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

## Power Teams

**Revised(●)**

|        |                                                    | A                         |                      | B                 |                      | C                 | D                  |  |
|--------|----------------------------------------------------|---------------------------|----------------------|-------------------|----------------------|-------------------|--------------------|--|
| ENGINE | Engine Code                                        | F22A1                     |                      | H23A1             |                      | H22A1             |                    |  |
|        | Displacement<br>Liters (in <sup>3</sup> )          | 2.156 (132)               |                      | 2.259 (138)       |                      | 2.157 (132)       |                    |  |
|        | Induction system<br>(FI, Carb, etc.)               | FI                        |                      | FI                |                      | FI                |                    |  |
|        | Compression<br>ratio                               | 8.8                       |                      | 9.8               |                      | 10.0              |                    |  |
|        | SAE<br>Net<br>at<br>RPM                            | Power<br>kW (bhp)         | 100.7 (135) / 5200   |                   | 119.4 (160) / 5800   |                   | 141.7 (190) / 6800 |  |
|        |                                                    | Torque<br>N · m (lb. ft.) | 192 (142) / 4000     |                   | 211 (156) / 4500     |                   | 214 (158) / 5500   |  |
|        | Exhaust<br>single, dual                            | SINGLE                    |                      | DUAL              |                      | DUAL              |                    |  |
| TRANS  | Transmission/<br>Transaxle                         | 5-speed<br>manual         | 4-speed<br>automatic | 5-speed<br>manual | 4-speed<br>automatic | 5-speed<br>manual |                    |  |
|        | Effective Final Drive /<br>Axle Ratio (std. first) | 4.062                     | 4.285                | 4.266             | 4.428                | 4.226             |                    |  |

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# MVMA Specifications

METRIC (U.S. Customary)

Engine Description

Engine Code

## ENGINE - GENERAL

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

| Engine Description                                                                                                                                |                                                                       | F22A1                                |  | H23A1                           |  | H22A1                       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------|--|---------------------------------|--|-----------------------------|--|
| Engine Code                                                                                                                                       |                                                                       |                                      |  |                                 |  |                             |  |
| ENGINE - GENERAL                                                                                                                                  |                                                                       |                                      |  |                                 |  |                             |  |
| Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.) |                                                                       | Inline, Front, Transverse, SOHC      |  | Inline, Front, Transverse, DOHC |  |                             |  |
| Manufacturer                                                                                                                                      |                                                                       | HONDA MOTOR                          |  |                                 |  |                             |  |
| No. of cylinders                                                                                                                                  |                                                                       | 4                                    |  |                                 |  |                             |  |
| Bore                                                                                                                                              |                                                                       | 85 (3.35)                            |  | 87 (3.43)                       |  |                             |  |
| Stroke                                                                                                                                            |                                                                       | 95 (3.74)                            |  |                                 |  | 90.7 (3.57)                 |  |
| Bore spacing (CL to CL)                                                                                                                           |                                                                       | 94 (3.70)                            |  |                                 |  |                             |  |
| Cylinder block material & mass kg (lbs.) (machined)                                                                                               |                                                                       | Alumi. alloy, 22.95 (50.60)          |  | Alumi. alloy, 22.5 (49.6)       |  |                             |  |
| Cylinder block deck height                                                                                                                        |                                                                       | 219.5 (8.642)                        |  |                                 |  |                             |  |
| Cylinder block length                                                                                                                             |                                                                       | 452.5 (17.81)                        |  |                                 |  |                             |  |
| Deck clearance (minimum) (above or below block)                                                                                                   |                                                                       | —                                    |  |                                 |  |                             |  |
| Cylinder head material & mass kg (lbs.)                                                                                                           |                                                                       | Alumi. alloy, 8.93 (19.7)            |  | Alumi. alloy, 11.3 (24.9)       |  | Alumi. alloy, 13.9 (30.6)   |  |
| Cylinder head volume cm <sup>3</sup> (inches <sup>3</sup> )                                                                                       |                                                                       | 50.5 (3.08)                          |  | 50.0 (3.05)                     |  | 53.8 (3.28)                 |  |
| Cylinder liner material                                                                                                                           |                                                                       | Cast iron alloy                      |  |                                 |  |                             |  |
| Head gasket thickness (compressed)                                                                                                                |                                                                       | 1.18 (0.046)                         |  |                                 |  | 0.70 (0.028)                |  |
| Minimum combustion chamber total volume cm <sup>3</sup> (inches <sup>3</sup> )                                                                    |                                                                       | 63.6 (3.88) per cylinder             |  | 63.9 (3.90) per cylinder        |  | 59.6 (3.64) per cylinder    |  |
| Cyl. no. system (front to rear)*                                                                                                                  | L. Bank                                                               | Left to right 1-2-3-4                |  |                                 |  |                             |  |
|                                                                                                                                                   | R. Bank                                                               | N.A.                                 |  |                                 |  |                             |  |
| Firing order                                                                                                                                      |                                                                       | 1-3-4-2                              |  |                                 |  |                             |  |
| Intake manifold material & mass kg (lbs.)**                                                                                                       |                                                                       | Alumi. alloy, 6.50 (14.3)            |  | Alumi. alloy, 6.70 (14.8)       |  | Alumi. alloy, 6.1 (13.4)    |  |
| Exhaust manifold material & mass kg (lbs.)**                                                                                                      |                                                                       | Cast iron alloy, 6.60 (14.6)         |  | Cast iron alloy, 5.40 (11.9)    |  | Cast iron alloy, 4.9 (10.8) |  |
| Knock sensor (number & location)                                                                                                                  |                                                                       | N.A.                                 |  | 1, Cylinder block side          |  |                             |  |
| Fuel required unleaded, diesel, etc.                                                                                                              |                                                                       | Unleaded                             |  | Premium unleaded                |  |                             |  |
| Fuel antiknock index (R + M) + 2                                                                                                                  |                                                                       | (91 + 81) / 2 = 86, or higher        |  | (96 + 86) / 2 = 91, or higher   |  |                             |  |
| Engine mounts                                                                                                                                     | Quantity                                                              | 4                                    |  |                                 |  |                             |  |
|                                                                                                                                                   | Material and type (elastomeric, hydroelastic, hydraulic damper, etc.) | Rubber, Elastomeric                  |  |                                 |  |                             |  |
|                                                                                                                                                   | Added isolation (sub-frame, crossmember, etc.)                        | front / Rear beam & Front side frame |  |                                 |  |                             |  |
| Total dressed engine mass (wt) dry***                                                                                                             |                                                                       | 128 (281)                            |  | 133 (293)                       |  | 144 (317)                   |  |

## Engine - Pistons

|                                                |                          |                          |                          |
|------------------------------------------------|--------------------------|--------------------------|--------------------------|
| Material & mass, g (weight, oz.) - piston only | Alumi. alloy, 321 (11.3) | Alumi. alloy, 343 (12.1) | Alumi. alloy, 355 (12.5) |
|------------------------------------------------|--------------------------|--------------------------|--------------------------|

## Engine - Camshaft

|                                   |             |                               |                                        |                              |
|-----------------------------------|-------------|-------------------------------|----------------------------------------|------------------------------|
| Location                          |             | In cylinder head              |                                        |                              |
| Material & mass kg (weight, lbs.) |             | Ni - Cr - Mo, Steel 2.7 (6.0) | Ni - Cr - Mo - Fe - S, Steel 2.9 (6.4) | C - Si - Cr, Steel 2.3 (5.1) |
| Drive type                        | Chain/belt  | Cogged belt                   |                                        |                              |
|                                   | Width/pitch | 24.0 (0.94) / 9.53 (0.38)     |                                        |                              |
|                                   |             |                               | 24.0 (0.94), 8.00 (0.31)               |                              |

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

\*\* Finished state.

\*\*\* Dressed engine mass (weight) includes the following: Throttle body, Exhaust manifold, Alternator, Starter motor

5M\* : 5-speed Manual transmission

4A\* : 4-speed Automatic transmission

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE

Model Year 1994

Issued Aug., 1993

Revised(•)

## Engine Description

Engine Code

## Engine - Valve System

|                                      |                            | F22A1                     | H23A1 | H22A1                     |
|--------------------------------------|----------------------------|---------------------------|-------|---------------------------|
| Hydraulic lifters (std., opt., n.a.) |                            | N.A.                      |       |                           |
| Valves                               | Number intake / exhaust    | 8 / 8                     |       | 35.0 (1.38) / 30.0 (1.18) |
|                                      | Head O.D. intake / exhaust | 34.0 (1.34) / 29.0 (1.14) |       |                           |

## Engine - Connecting Rods

|                                      |                          |               |
|--------------------------------------|--------------------------|---------------|
| Material & mass kg., (weight, lbs.)* | Carbon steel 0.35 (0.77) | 143.0 (5.630) |
| Length (axes C/L to C/L)             | 141.5 (5.571)            |               |

## Engine - Crankshaft

|                                              |                          |                                  |
|----------------------------------------------|--------------------------|----------------------------------|
| Material & mass kg., (weight, lbs.)*         | Carbon steel 16.8 (37.0) | Carbon steel 18.0 (39.7)         |
| End thrust taken by bearing (no.)            | 2                        |                                  |
| Length & number of main bearings             | 499 (19.6), 5            |                                  |
| Seal (material, one, two piece design, etc.) | Front                    | Silicon rubber, One piece design |
|                                              | Rear                     | Silicon rubber, One piece design |

## Engine - Lubrication System

|                                                |                     |                     |
|------------------------------------------------|---------------------|---------------------|
| Normal oil pressure kPa (psi) at engine rpm    | 98 (14.2) / 650 rpm | 98 (14.2) / 700 rpm |
| Type oil intake (floating, stationary)         | Stationary          |                     |
| Oil filter system (full flow, part, other)     | Fuel-flow           |                     |
| Capacity of c/case; less filter-refill-L (qt.) | 3.5 (3.7)           | 4.0 (4.2) 4.5 (4.8) |

## Engine - Diesel Information

N.A.

|                                                             |                            |
|-------------------------------------------------------------|----------------------------|
| Diesel engine manufacturer                                  |                            |
| Glow plug, current drain at 0°F                             |                            |
| Injector nozzle                                             | Type                       |
|                                                             | Opening pressure kPa (psi) |
| Pre-chamber design                                          |                            |
| Fuel injection pump                                         | Manufacturer               |
|                                                             | Type                       |
| Fuel injection pump drive (belt, chain, gear)               |                            |
| Supplementary vacuum source (type)                          |                            |
| Fuel heater (yes/no)                                        |                            |
| Water separator, description (std., opt.)                   |                            |
| Turbo manufacturer                                          |                            |
| Oil cooler-type (oil to engine coolant; oil to ambient air) |                            |
| Oil filter                                                  |                            |

## Engine - Intake System

|                              |      |
|------------------------------|------|
| Turbo charger - manufacturer | N.A. |
| Super charger - manufacturer | N.A. |
| Intercooler                  | N.A. |

\*Finished State

# MVMA Specifications

METRIC (U.S. Customary )

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(\*)

Engine Description  
Engine Code

## Engine - Cooling System

|                                              |                                                   |                                               |                                               |           |  |
|----------------------------------------------|---------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------|--|
| Coolant recovery system (std., opt., n.a.)   |                                                   | Std., Pressure vent coolant recovery system   |                                               |           |  |
| Coolant fill location (rad., bottle)         |                                                   | Radiator                                      |                                               |           |  |
| Radiator cap relief valve pressure kPa (psi) |                                                   | 108 ± 15 (15.6 ± 2.1)                         |                                               |           |  |
| Circulation thermostat                       | Type (choke, bypass)                              | Bypass                                        |                                               |           |  |
|                                              | Starts to open at °C (°F)                         | 78 ± 2 (172 ± 4)                              |                                               |           |  |
| Water pump                                   | Type (centrifugal, other)                         | Centrifugal                                   |                                               |           |  |
|                                              | GPM 1000 pump rpm                                 | 5.8                                           | 5.3                                           | 5.1       |  |
|                                              | Number of pumps                                   | 1                                             |                                               |           |  |
|                                              | Drive (V-belt, other)                             | Cogged belt                                   |                                               |           |  |
|                                              | Bearing type                                      | Ball and roller bearing                       |                                               |           |  |
|                                              | Impeller material                                 | Steel                                         |                                               |           |  |
|                                              | Housing material                                  | Aluminum alloy                                |                                               |           |  |
| By-pass recirculation type (inter., ext.)    |                                                   | External                                      |                                               |           |  |
| Cooling system capacity                      | With heater-L(qt.)                                | 3.5 (3.7)                                     | 3.8 (4.0)                                     | 4.2 (4.4) |  |
|                                              | With air conditioner-L(qt.)                       | N.A.                                          |                                               |           |  |
|                                              | Opt. equipment specify-L(qt.)                     | N.A.                                          |                                               |           |  |
| Water jackets full length of cyl. (yes, no)  |                                                   | Yes                                           |                                               |           |  |
| Water all around cylinder (yes, no)          |                                                   | Yes                                           |                                               |           |  |
| Water jackets open at head face (yes, no)    |                                                   | Yes                                           |                                               |           |  |
| Radiator core                                | Std., A/C, HD                                     | Std.                                          |                                               |           |  |
|                                              | Type (cross-flow, etc.)                           | Down-flow                                     |                                               |           |  |
|                                              | Construction (fin & tube mechanical, braze, etc.) | Vertical, fin & tube                          |                                               |           |  |
|                                              | Material, mass kg (wgt., lbs.)                    | Aluminum, *5M : 3.6 (7.9),<br>*4A : 4.0 (8.8) | Aluminum, *5M : 3.8 (8.4),<br>*4A : 4.2 (9.3) |           |  |
|                                              | Width                                             | 668 (26.3)                                    | 699 (27.5)                                    |           |  |
|                                              | Height                                            | 350 (13.8)                                    | 375 (14.8)                                    |           |  |
|                                              | Thickness                                         | 16.0 (0.63)                                   |                                               |           |  |
|                                              | Fins per inch                                     | 11.3                                          |                                               |           |  |
| Radiator end tank material                   |                                                   | Polypropylene                                 |                                               |           |  |
| Fan                                          | Std., elec., opt.                                 | Std., Elec.                                   |                                               |           |  |
|                                              | Number of blades & type (flex, solid, material)   | 5, Flex, Polypropylene                        |                                               |           |  |
|                                              | Number & location (front, rear of radiator)       | 1. Rear of radiator                           |                                               |           |  |
|                                              | Diameter & projected width                        | 300 (11.8) & 39.5 (1.56)                      |                                               |           |  |
|                                              | Ratio (fan to crankshaft rev.)                    | N.A.                                          |                                               |           |  |
|                                              | Fan cutout type                                   | N.A.                                          |                                               |           |  |
|                                              | Drive type (direct, remote)                       | Direct                                        |                                               |           |  |
|                                              | RPM at idle (elec.)                               | 2140 ± 180                                    |                                               |           |  |
|                                              | Motor rating (wattage / elec.)                    | 79.2 ± 9.6                                    |                                               |           |  |
|                                              | Motor switch (type & location / elec.)            | Thermo switch                                 |                                               |           |  |
|                                              | Switch point (temp., pressure / elec.)            | Open at 90 ± 3.0°C (194 ± 5.4°F)              |                                               |           |  |
|                                              | Fan shroud (material)                             | Polypropylene                                 |                                               |           |  |

\*5M : 5-speed manual,

\*4 A : 4-speed automatic

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

Engine Description  
Engine Code

| F22A1 | H23A1 | H22A1 |
|-------|-------|-------|
|-------|-------|-------|

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 system (PGM-FI)       |            |
| Manufacturer                                                          |                                                          | HONDA MOTOR                          |            |
| Carburetor no. of barrels                                             |                                                          | N.A.                                 |            |
| Idle A/F mix.                                                         |                                                          | 14.7                                 |            |
| Fuel Injection                                                        | Point of injection (no.)                                 | Intake manifold, (4)                 |            |
|                                                                       | Constant, pulse, flow                                    | Sequential flow                      |            |
|                                                                       | Control (electronic, mech.)                              | Electronic                           |            |
|                                                                       | System pressure kPa (psi)                                | 294 (42.7)                           | 250 (36.3) |
| Idle spd.-rpm (spec. neutral or drive and propane if used)            | Manual                                                   | 700 ± 50 in neutral *1               |            |
|                                                                       |                                                          |                                      |            |
|                                                                       | Automatic                                                | 700 ± 50 in neutral *1               | N.A.       |
| Intake manifold heat control (exhaust or water thermostatic or fixed) |                                                          | N.A.                                 |            |
| Air cleaner type                                                      |                                                          | Non woven fabric element, dry type   |            |
| Fuel filter (type/location)                                           |                                                          | Paper filter / on the front bulkhead |            |
| Fuel pump                                                             | Type (elec. or mech.)                                    | Electric                             |            |
|                                                                       | Location (eng., tank)                                    | In fuel tank                         |            |
|                                                                       | Pressure range kPa (psi)                                 | 176 ~ 588 (25.5 ~ 85.3)              |            |
|                                                                       | Flow rate at regulated pressure L (gal) / hr @ kPa (psi) | More than 85.0 (22.5) @ 250 (36.3)   |            |

\*1 : At normal operating temperature, all accessories turned off, cooling fan off

## Fuel Tank

|                                  |                          |                                            |
|----------------------------------|--------------------------|--------------------------------------------|
| Capacity refill L (gallons)      |                          | 60 (15.9)                                  |
| Location (describe)              |                          | Under rear floor                           |
| Attachment                       |                          | Mounted with fuel tank band                |
| Material & Mass kg (weight lbs.) |                          | Carbon steel, 10.8 (23.7)                  |
| Filler pipe                      | Location & material      | Left rear quarter panel, Carbon steel pipe |
|                                  | Connection to tank       | Filler neck connecting tube                |
| Fuel line (material)             |                          | Carbon steel                               |
| Fuel hose (material)             |                          | Rubber                                     |
| Return line (material)           |                          | Carbon steel                               |
| Vapor line (material)            |                          | Carbon steel                               |
| Extended range tank              | Opt., n.a.               | N.A.                                       |
|                                  | Capacity L (gallons)     | N.A.                                       |
|                                  | Location & material      | N.A.                                       |
|                                  | Attachment               | N.A.                                       |
| 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.                                       |

# MVMA Specifications

METRIC (U.S. Customary )

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

Engine Description

Engine Code

|       |       |       |
|-------|-------|-------|
| F22A1 | H23A1 | H22A1 |
|-------|-------|-------|

## Vehicle Emission Control

|                              |                                                          |                                                                  |                                                |
|------------------------------|----------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------|
| Exhaust Emission Control     | Type (air injection, engine modifications, other)        |                                                                  | Catalytic converter, Exhaust gas recirculation |
|                              | Air Injection                                            | Pump or pulse                                                    | N.A.                                           |
|                              |                                                          | Driven by                                                        | N.A.                                           |
|                              |                                                          | Air distribution (head, manifold, etc.)                          | N.A.                                           |
|                              |                                                          | Point of entry                                                   | N.A.                                           |
|                              | Exhaust Gas Recirculation                                | Type (controlled flow, open orifice, other)                      | Controlled flow                                |
|                              |                                                          | Exhaust source                                                   | Exhaust port                                   |
|                              |                                                          | Point of exhaust injection (spacer, carburetor, manifold, other) | Intake manifold                                |
|                              | Catalytic Converter                                      | Type                                                             | 3-way                                          |
|                              |                                                          | Number of                                                        | 2                                              |
|                              |                                                          | Location(s)                                                      | Under - floor                                  |
|                              |                                                          | Volume L (in <sup>3</sup> )                                      | Confidential                                   |
|                              |                                                          | Substrate type                                                   | Monolith                                       |
|                              |                                                          | Noble metal type                                                 | Confidential                                   |
|                              |                                                          | Noble metal concentration (g/cm <sup>3</sup> )                   | Confidential                                   |
| Crankcase Emission Control   | Type (ventilates to atmosphere, induction system, other) |                                                                  | Positive crankcase ventilation system          |
|                              | Energy source (manifold vacuum, carburetor, other)       |                                                                  | Intake 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                                                       | N.A.                                           |
| Electronic system            | Vapor storage provision                                  |                                                                  | Canister                                       |
|                              | Closed loop (yes/no)                                     |                                                                  | Yes                                            |
|                              | Open loop (yes/no)                                       |                                                                  | No                                             |

## Engine - Exhaust System

| Type (single, single with cross-over, dual, other)                                                   |                                 | Single                                       | Single with cross-flow                       |
|------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------|----------------------------------------------|
| Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs) |                                 | 1, Reverse flow, Stainless steel 10.6 (23.4) | 1, Reverse flow, Stainless steel 11.1 (24.5) |
| Resonator no. & type                                                                                 |                                 | 1, Separate                                  |                                              |
| Exhaust pipe                                                                                         | Branch o.d., wall thickness     | N.A.                                         | 50.8 (2.0), 1.5 (0.06)                       |
|                                                                                                      | Main o.d., wall thickness       | 50.8 (2.0), 1.5 (0.06)                       | 54.1 (2.1), 1.5 (0.06)                       |
|                                                                                                      | Material & Mass kg (weight lbs) | Stainless steel, 4.5 (9.92)                  | Stainless steel, 8.0 (17.6)                  |
| Intermediate pipe                                                                                    | o.d. & wall thickness           | 48.6 (1.91), 1.5 (0.06)                      | 54.0 (2.1), 1.5 (0.06)                       |
|                                                                                                      | Material & Mass kg (weight lbs) | Stainless steel, 8.1 (17.9)                  | Stainless steel, 9.6 (21.2)                  |
|                                                                                                      | o.d. & wall thickness           | 38.1 (1.50), 1.2 (0.05)                      | 42.7 (1.68), 1.2 (0.05)                      |
| Tail pipe                                                                                            | Material & Mass kg (weight lbs) | Stainless steel, -                           |                                              |

# MVMA Specifications

METRIC (U.S. Customary )

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

Engine Description  
Engine Code

|       |       |       |
|-------|-------|-------|
| F22A1 | H23A1 | H22A1 |
|-------|-------|-------|

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

|                                            |                           |      |
|--------------------------------------------|---------------------------|------|
| Manual 4-speed (manufacturer/country)      | N.A.                      |      |
| Manual 5-speed (manufacturer/country)      | Std., HONDA MOTOR / JAPAN |      |
| Manual 6-speed (manufacturer/country)      | N.A.                      |      |
| Automatic (manufacturer/country)           | N.A.                      |      |
| Automatic overdrive (manufacturer/country) | Std., HONDA MOTOR / JAPAN | N.A. |

## Manual Transmission/Transaxle

|                                     |                  |                             |       |       |
|-------------------------------------|------------------|-----------------------------|-------|-------|
| Number of forward speeds            |                  | 5                           |       |       |
| Gear ratios                         | 1st              | 3.307                       |       |       |
|                                     | 2nd              | 1.809                       | 1.857 | 1.950 |
|                                     | 3rd              | 1.230                       | 1.320 | 1.360 |
|                                     | 4th              | 0.903                       | 1.034 | 1.071 |
|                                     | 5th              | 0.705                       | 0.812 | 0.870 |
|                                     | 6th              | N.A.                        |       |       |
|                                     | Reverse          | 3.000                       |       |       |
| Synchronous meshing (specify gears) |                  | All gears                   |       |       |
| Shift lever location                |                  | Floor                       |       |       |
| Trans. case mat'l. & mass kg (lbs)* |                  | Aluminium alloy, 53.0 (117) |       |       |
| Lubricant                           | Capacity L (pt.) | 2.0 (4.2)                   |       |       |
|                                     | Type recommended | SF or SG                    |       |       |

## Clutch (Manual Transmission)

|                                               |                                                     |                                                           |                       |
|-----------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|-----------------------|
| Clutch manufacturer                           |                                                     | F. C. C.                                                  |                       |
| Clutch type (dry, wet; single, multiple disc) |                                                     | Dry, Single disk                                          |                       |
| Linkage (hydraulic, cable, rod, lever, other) |                                                     | Hydraulic                                                 |                       |
| Max. pedal effort (nom. spring load) N (lbs)  | Depressed                                           | 124 (27.8)                                                | 133 (30.0)            |
|                                               | Released                                            | N.A.                                                      |                       |
| Assist (spring, power/percent, nominal)       |                                                     | Spring                                                    |                       |
| Type pressure plate springs                   |                                                     | Diaphragm                                                 |                       |
| Total spring load (nominal) N (lbs)           |                                                     | 4655~5145 (1047~1157)                                     | 5145~5635 (1157~1268) |
| Clutch facing                                 | Facing mfr. & material coding                       | F. C. C.                                                  |                       |
|                                               | Facing material & construction                      | Resin Mold, Semi Mold                                     |                       |
|                                               | Rivets per facing                                   | 16                                                        |                       |
|                                               | Outside x inside dia. (nominal)                     | 220 x 150 (8.66 x 5.91)                                   |                       |
|                                               | Total eff. area cm <sup>2</sup> (in. <sup>2</sup> ) | 407 (63.1)                                                |                       |
|                                               | Thickness (pressure plate side/ fly wheel side)     | 3.5 / 3.5 (0.14 / 0.14)                                   |                       |
|                                               | Rivet depth (pressure plate side/ fly wheel side)   | Min. 1.3 (0.05)                                           |                       |
|                                               | Engagement cushion method                           | Wave spring                                               |                       |
| Release bearing type & method lub.            |                                                     | Ball bearing permanent lubrication                        |                       |
| Torsional damping method, springs, hysteresis |                                                     | Torsion springs, friction springs and washers, hysteresis |                       |

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

\*1 : For 49-States all attitude model

\*2 : For California model

# MVMA Specifications

METRIC (U.S. Customary )

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

Engine Description  
Engine Code

|       |       |
|-------|-------|
| F22A1 | H23A1 |
|-------|-------|

## Automatic Transmissions/Transaxle

|                                                                |                                     |                                                                             |                                             |
|----------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------|
| Trade Name                                                     |                                     | Honda Automatic Transmission                                                |                                             |
| Type and special features (describe)                           |                                     | 4-speed forward, 1-speed reverse automatic transmission with lock up clutch |                                             |
| Shift mechanics                                                |                                     | Hydraulic, Mechanical                                                       |                                             |
| Gear Selector                                                  | Location (column, floor, other)     | Floor                                                                       |                                             |
|                                                                | Ltr./No. designation (e.g. PRND21)  | P-R-N-D <sub>4</sub> -D <sub>3</sub> -2-1                                   |                                             |
|                                                                | Shift interlock (yes, no, describe) | Yes, The shift lever cannot be operated unless the brake pedal is depressed |                                             |
| Gear ratios                                                    | 1st                                 | 2.705                                                                       | 1.535                                       |
|                                                                | 2nd                                 | 1.482                                                                       | 1.057                                       |
|                                                                | 3rd                                 | 1.028                                                                       | 0.750                                       |
|                                                                | 4th                                 | 0.707                                                                       |                                             |
|                                                                | Reverse                             | 2.047                                                                       |                                             |
|                                                                | Final drive ratio                   | 4.285                                                                       | 4.428                                       |
| Max. upshift vehicle speed - drive range km/h (mph)            |                                     | 1-2 : 60 (37) 2-3 : 110 (67) 3-4 : 160 (99)                                 | 1-2 : 60 (37) 2-3 : 106 (66) 3-4 : 154 (96) |
| Max. upshift engine speed RPM                                  |                                     | 1-2 : 5400, 2-3 : 5790, 3-4 : 5790                                          | 1-2 : 5580, 2-3 : 6000, 3-4 : 6000          |
| Max. kickdown speed - drive range km/h (mph)                   |                                     | 4-3 : 128 (58) 3-2 : 90 (41) 2-1 : 40 (18)                                  | 4-3 : 123 (56) 3-2 : 88 (40) 2-1 : 44 (20)  |
| Min. overdrive speed km/h (mph)                                |                                     | —                                                                           |                                             |
| Torque converter                                               | Type                                | 3 elements - 1 stage                                                        |                                             |
|                                                                | Torus design                        | —                                                                           |                                             |
|                                                                | Number of elements                  | 3                                                                           |                                             |
|                                                                | Max. ratio at stall                 | 1.9 @2500                                                                   |                                             |
|                                                                | Type of cooling (air, liquid)       | Air                                                                         |                                             |
|                                                                | Nominal diameter                    | 256 (10.1)                                                                  |                                             |
|                                                                | Capacity factor "K"                 | —                                                                           |                                             |
| Pump type                                                      |                                     | Outer gear pump (Involute gear design)                                      |                                             |
| Lubricant                                                      | Capacity refill L (pt.)             | 2.4 (5.1)                                                                   |                                             |
|                                                                | Type recommended                    | DEXRON II                                                                   |                                             |
| Oil cooler (std., opt., N.A., internal, external, air, liquid) |                                     | Std., External, Liquid                                                      |                                             |
| Transmission mass kg (lbs) & case material**                   |                                     | 85 (187), Aluminium alloy                                                   |                                             |

## All Wheel / 4 Wheel Drive

N.A.

|                                                                                                         |                                                              |  |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--|
| Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.) |                                                              |  |
| Transfer case                                                                                           | Manufacturer and model                                       |  |
|                                                                                                         | Type and location                                            |  |
| Low-range gear ratio                                                                                    |                                                              |  |
| System disconnect (describe)                                                                            |                                                              |  |
| Center differential                                                                                     | Type (bevel, planetary, w or w/o viscous bias, torsen, etc.) |  |
|                                                                                                         | Torque split (% front / rear)                                |  |

\* Input speed ÷ √ torque

\*\* Dry weight including torque converter. If other, specify.

# MVMA Specifications

METRIC (U.S. Customary )

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(\*)

Engine Description  
Engine Code

|       |       |       |
|-------|-------|-------|
| F22A1 | H23A1 | H22A1 |
|-------|-------|-------|

## Axle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage)

|                                                         |                |             |             |                             |                             |                     |
|---------------------------------------------------------|----------------|-------------|-------------|-----------------------------|-----------------------------|---------------------|
| Effective final drive ratio (or overall top gear ratio) |                | *5M : 4.062 | *4A : 4.285 | *5M : 4.266                 | *4A : 4.428                 | *5M : 4.266         |
| Transfer ratio and method (chain, gear, etc.)           |                | Gear        |             |                             |                             |                     |
| Front drive unit                                        | Ring gear o.d. |             | *5M / *4A   | 198.8 (7.83) / 202.3 (7.96) | 200.7 (7.90) / 203.4 (8.01) | 201.4 (7.93) / N.A. |
|                                                         | No. of teeth   | Pinion      | *5M / *4A   | 16 / 14                     | 15 / 14                     | 1.5 / N.A.          |
|                                                         |                | Ring gear   | *5M / *4A   | 65 / 60                     | 64 / 62                     | 64 / N.A.           |

\*5M : 5-Speed manual, \*4A : 4-Speed automatic

## Front Drive Unit

|                                        |                         |                                |
|----------------------------------------|-------------------------|--------------------------------|
| Description (integral to trans., etc.) |                         | Parallel axle helical gear     |
| Limited slip differential (type)       |                         | N.A.                           |
| Drive pinion                           | Type                    | Helical gear                   |
|                                        | Offset                  | N.A.                           |
| No. of differential pinions            |                         | 2                              |
| Pinion/differential                    | Adjustment (shim, etc.) | Shim                           |
|                                        | Bearing adjustment      | Shim                           |
| Driving wheel bearing (type)           |                         | Ball bearing                   |
| Lubricant                              | Capacity L (pt.)        | Lubricated by transmission oil |
|                                        | Type recommended        | Lubricated by transmission oil |

## Axle Shafts - Front Wheel Drive

|                                                     |                              |                                |                                                          |
|-----------------------------------------------------|------------------------------|--------------------------------|----------------------------------------------------------|
| Manufacturer and number used                        |                              |                                | HONDA MOTOR, 2                                           |
| Type (straight, solid bar,tubular, etc.)            |                              | Left                           | Straight, Solid bar                                      |
|                                                     |                              | Right                          | Straight, Solid bar                                      |
| Outer diam. x length* x wall thickness              | Manual transaxle             | Left                           | 24.5×383 (0.96×15.1)                                     |
|                                                     |                              | Right                          | 24.5×393 (0.96×15.5)                                     |
|                                                     | Automatic transaxle          | Left                           | 24.5×753 (0.96×29.6)                                     |
|                                                     |                              | Right                          | 24.5×393 (0.96×15.5)                                     |
|                                                     | Optional transaxle           | Left                           | N.A.                                                     |
|                                                     |                              | Right                          | N.A.                                                     |
| Slip yoke                                           | Type                         |                                | N.A.                                                     |
|                                                     | Number of teeth              |                                | N.A.                                                     |
|                                                     | Spline o.d.                  |                                | N.A.                                                     |
| Universal joints                                    | Make and mfg. no.            | Inner                          | HONDA MOTOR                                              |
|                                                     |                              | Outer                          | HONDA MOTOR                                              |
|                                                     | Number used                  |                                | Inner : 2,      Outer : 2                                |
|                                                     | Type, size, plunge           | Inner                          | Tripod joint slide type      (Constant velocity joint)   |
|                                                     |                              | Outer                          | Berfield joint fixed type      (Constant velocity joint) |
|                                                     | Attach (u-bolt, clamp, etc.) |                                | Circlip                                                  |
|                                                     | Bearing                      | Type (plain, anti-friction)    | Ball bearing, Anti-friction                              |
|                                                     |                              | Lubrication (fitting, prepack) | Prepack                                                  |
| Drive taken through (torque tube, arms or springs)  |                              |                                | N.A.                                                     |
| Torque taken through (torque tube, arms or springs) |                              |                                | N.A.                                                     |

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

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE

Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

Model Code / Description And / Or  
Engine Code / Description

F22A1

H23A1 & H22A1

## Suspension - General Including Electronic Controls

|                                 |                                                      |                      |                                               |      |
|---------------------------------|------------------------------------------------------|----------------------|-----------------------------------------------|------|
| Car leveling                    | Standard/optional/not avail.                         |                      | N.A.                                          |      |
|                                 | Manual/automatic control                             |                      | N.A.                                          |      |
|                                 | Type (air/hydraulic)                                 |                      | N.A.                                          |      |
|                                 | Primary/assist spring                                |                      | N.A.                                          |      |
|                                 | Rear only/4 wheel leveling                           |                      | N.A.                                          |      |
|                                 | Single/dual rate spring                              |                      | N.A.                                          |      |
|                                 | Single/dual ride heights                             |                      | N.A.                                          |      |
|                                 | Provision for jacking                                |                      | N.A.                                          |      |
| Shock absorber damping controls | Standard/option/not avail.                           |                      | N.A.                                          |      |
|                                 | Manual/automatic control                             |                      | N.A.                                          |      |
|                                 | Number of damping rates                              |                      | N.A.                                          |      |
|                                 | Type of actuation (manual/ electric motor/air, etc.) |                      | N.A.                                          |      |
|                                 | s<br>e<br>n<br>s<br>o<br>r<br>s                      | Lateral acceleration |                                               | N.A. |
|                                 |                                                      | Deceleration         |                                               | N.A. |
|                                 |                                                      | Acceleration         |                                               | N.A. |
| Road surface                    |                                                      | N.A.                 |                                               |      |
| Shock absorber (front & rear)   | Type                                                 |                      | Telescopic, Hydraulic (Nitrogen gas - filled) |      |
|                                 | Make                                                 |                      | SHOWA                                         |      |
|                                 | Piston diameter                                      |                      | Front : 30.0 (1.18)      Rear : 25.0 (0.98)   |      |
|                                 | Rod diameter                                         |                      | Front : 12.5 (0.49)      Rear : 12.5 (0.49)   |      |

## Suspension - Front

|                      |                                                                                 |                                                                                            |                                                                                            |
|----------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Type and description |                                                                                 | Independent, Double wishbone with coil spring                                              |                                                                                            |
| Travel               | Full jounce (define load condition)                                             | 87.4                                                                                       | (3.44)                                                                                     |
|                      | Full rebound                                                                    | 95.0                                                                                       | (3.74)                                                                                     |
| Spring               | Type (coil, leaf, other & material)                                             | Coil, Spring steel                                                                         |                                                                                            |
|                      | Insulators (type & material)                                                    | Mounting, Rubber                                                                           |                                                                                            |
|                      | Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter) | *5M : 358.4 x 63.0 ~ 76.0(14.1 x 2.5 ~ 3.0)<br>*4A : 364.3 x 63.0 ~ 76.0(14.3 x 2.5 ~ 3.0) | *5M : 364.3 x 63.0 ~ 76.0(14.3 x 2.5 ~ 3.0)<br>*4A : 370.4 x 63.0 ~ 75.8(14.6 x 2.5 ~ 3.0) |
|                      | Spring rate [N/mm (lb./in.)]                                                    | 35.3                                                                                       | (202)                                                                                      |
|                      | Rate at wheel [N/mm (lb./in.)]                                                  | 19.5                                                                                       | (111)                                                                                      |
|                      |                                                                                 |                                                                                            |                                                                                            |
| Stabilizer           | Type (link, linkless, frameless)                                                | Link                                                                                       |                                                                                            |
|                      | Material & O.D. bar/tube, wall thickness                                        | Spring steel, 25.4 (1.0), tube, 3.50 (0.14)                                                |                                                                                            |
|                      |                                                                                 | * 5M : 5-speed manual transmission<br>* 4A : 4-speed automatic transmission                |                                                                                            |

## Suspension - Rear

|                      |                                                                                 |                                               |                                           |
|----------------------|---------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|
| Type and description |                                                                                 | Independent, Double wishbone with coil spring |                                           |
| Travel               | Full jounce (define load condition)                                             | 114.6                                         | (4.51)                                    |
|                      | Full rebound                                                                    | 80.0                                          | (3.15)                                    |
| Spring               | Type (coil, leaf, other & material)                                             | Coil, Spring steel                            |                                           |
|                      | Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter) | 368.0 x 62.9 ~ 77.6<br>(14.5 x 2.5 ~ 3.1)     | 374.5 x 62.9 ~ 77.6<br>(14.7 x 2.5 ~ 3.1) |
|                      | Spring rate [N/mm (lb./in.)]                                                    | 30.9                                          | (176)                                     |
|                      | Rate at wheel [N/mm (lb./in.)]                                                  | 19.9                                          | (114)                                     |
|                      | Insulators (type & material)                                                    | Mounting, Rubber                              |                                           |
|                      | If leaf                                                                         | No. of leaves                                 | N.A.                                      |
|                      |                                                                                 | Shackle (comp. or tens.)                      | N.A.                                      |
|                      | Type (link, linkless, frameless)                                                | Link                                          |                                           |
| Stabilizer           | Material & O.D. bar/tube, wall thickness                                        | Spring steel, 23.0 (0.91), tube, 2.80 (0.11)  |                                           |
| Track bar (type)     |                                                                                 | N.A.                                          |                                           |

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE

Model Year

1994

Issued

Aug., 1993

Revised(●)

Model Code / Description And / Or  
Engine Code / Description

F22A1

H23A1

H22A1

## Brakes - Service

|                                                               |                                            |                                          |                                      |                                          |                                          |
|---------------------------------------------------------------|--------------------------------------------|------------------------------------------|--------------------------------------|------------------------------------------|------------------------------------------|
| Description Honda Motor                                       |                                            | Power assisted, Hydraulic, 4-wheel brake |                                      |                                          |                                          |
| Manufacturer and brake type (std., opt., n.a.)                | Front (disc or drum)                       | NISSIN, Std., Disc                       |                                      |                                          |                                          |
|                                                               | Rear (disc or drum)                        | NISSIN, Std., Disc                       |                                      |                                          |                                          |
| Valving type (proportion, delay, metering, other)             |                                            | Proportion                               |                                      |                                          |                                          |
| Power brake (std., opt., n.a.)                                |                                            | N.A.                                     |                                      |                                          |                                          |
| Booster type (remote, integral, vac., hyd., etc.)             |                                            | Integral, Vacuum                         |                                      |                                          |                                          |
| Vacuum                                                        | Source (inline, pump, etc.)                | Inline                                   |                                      |                                          |                                          |
|                                                               | Reservoir (volume in. <sup>3</sup> )       | N.A.                                     |                                      |                                          |                                          |
|                                                               | Pump-type (elec, gear driven, belt driven) | N.A.                                     |                                      |                                          |                                          |
| Traction assist                                               | Operational speed range                    | N.A.                                     |                                      |                                          |                                          |
|                                                               | Type (engine or brake intervention)        | N.A.                                     |                                      |                                          |                                          |
| Anti-lock device                                              | Front / rear (std., opt., n.a.)            | N.A.                                     |                                      | Std. / Std.                              |                                          |
|                                                               | Manufacturer                               | N.A.                                     |                                      | Honda Motor                              |                                          |
|                                                               | Type (electronic, mech.)                   | N.A.                                     |                                      | Electronic                               |                                          |
|                                                               | Number sensors or circuits                 | N.A.                                     |                                      | 4                                        |                                          |
|                                                               | Number anti-lock hydraulic circuits        | N.A.                                     |                                      | 3                                        |                                          |
|                                                               | Integral or add-on system                  | N.A.                                     |                                      | Integral                                 |                                          |
|                                                               | Yaw control (yes, no)                      | N.A.                                     |                                      | No                                       |                                          |
| Hydraulic power source (elec., vac. mfr., pwr. strg.)         |                                            | N.A.                                     |                                      | Electronic                               |                                          |
| Effective area cm <sup>2</sup> (in. <sup>2</sup> )*           |                                            | F/R                                      | 197.6 (30.63) / 111.6 (17.30)        | 232.0 (35.96) / 111.6 (17.30)            |                                          |
| Gross Lining area cm <sup>2</sup> (in. <sup>2</sup> )** (F/R) |                                            |                                          | 203.5 (31.54) / 111.6 (17.30)        | 238.2 (36.92) / 111.6 (17.30)            |                                          |
| Swept area cm <sup>2</sup> (in. <sup>2</sup> *** (F/R)        |                                            |                                          | 1287 (199.5) / 1096 (169.8)          | 1479 (229.2) / 1096 (169.8)              |                                          |
| Rotor                                                         | Outer working diameter                     | F/R                                      | 258 (10.16) / 258 (10.16)            | 280 (11.02) / 258 (10.16)                |                                          |
|                                                               | Inner working diameter                     | F/R                                      | 160 (6.30) / 178 (7.01)              | 177 (6.97) / 178 (7.01)                  |                                          |
|                                                               | Thickness                                  | F/R                                      | 23 (0.91) / 10 (0.39)                |                                          |                                          |
|                                                               | Material & type (vented/solid)             | F/R                                      | Cast iron, Vented / Cast iron, Solid |                                          |                                          |
| Drum                                                          | Diameter & width                           | F/R                                      | N.A.                                 |                                          |                                          |
|                                                               | Type and material                          | F/R                                      | N.A.                                 |                                          |                                          |
| Wheel cylinder bore                                           |                                            | F/R                                      | 57.2 (2.25) / 33.96 (1.34)           |                                          |                                          |
| Master cylinder                                               | Bore / stroke                              |                                          | 23.8 (0.94) / 30.0 (1.18)            | 25.4 (1.00) / 30.0 (1.18)                |                                          |
| Pedal arc ratio                                               |                                            |                                          | 4.0                                  |                                          |                                          |
| Line pressure at 445N(100 lb.) pedal load [kPa (psi)]         |                                            | F/R                                      | 10341 (1500) / 4818 (699)            | 11257 (1633) / 5595 (812)                |                                          |
| Lining clearance                                              |                                            | F/R                                      | Self-adjuster / Self-adjuster        |                                          |                                          |
| Brake lining                                                  | Front wheel                                | Bonded or riveted (rivets / seg.)        |                                      | Bonded                                   |                                          |
|                                                               |                                            | Rivet size                               |                                      | N.A.                                     |                                          |
|                                                               |                                            | Manufacturer                             |                                      | AKEBONO BRAKE                            |                                          |
|                                                               |                                            | Lining code*****                         |                                      | AK NS145H FF                             |                                          |
|                                                               |                                            | Material                                 |                                      | Resin mold (Non-asbestos)                |                                          |
|                                                               |                                            | ****                                     | Primary or out-board                 | 118.5 x 49.1 x 11.5 (4.67 x 1.93 x 0.45) | 132.4 x 51.5 x 11.0 (5.21 x 2.03 x 0.43) |
|                                                               |                                            | Size                                     | Secondary or in-board                | 118.5 x 49.1 x 11.5 (4.67 x 1.93 x 0.45) | 7.5 (0.30)                               |
|                                                               |                                            | Shoe thickness (no lining)               |                                      | 7 (0.28)                                 |                                          |
|                                                               | Rear wheel                                 | Bonded or riveted (rivets / seg.)        |                                      | Bonded                                   |                                          |
|                                                               |                                            | Manufacturer                             |                                      | NISSIN SPINING                           |                                          |
|                                                               |                                            | Lining code*****                         |                                      | NBK N601 FG                              |                                          |
|                                                               |                                            | Material                                 |                                      | Resin mold (Non-asbestos)                |                                          |
|                                                               |                                            | ****                                     | Primary or out-board                 | 71 x 40 x 9 (2.80 x 1.57 x 0.35)         |                                          |
|                                                               |                                            | Size                                     | Secondary or in-board                | 71 x 40 x 9 (2.80 x 1.57 x 0.35)         |                                          |
|                                                               |                                            | Shoe thickness (no lining)               |                                      | 6 (0.24)                                 |                                          |

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

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

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

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

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE

Model Year 1994

Issued Aug. 1993 Revised(●)

Model Code / Description And / Or  
Engine Code / Description

## Tires And Wheels (Standard)

|        |                                                             | F22A1                     | H23A1 & H22A1               |
|--------|-------------------------------------------------------------|---------------------------|-----------------------------|
| Tires  | Size (service description)                                  | 185 / 70R14 87H           | 205 / 55R15 87V             |
|        | Type (bias, radial, steel, nylon, etc.)                     | Radial                    |                             |
|        | Inflation pressure (cold) for recommended max. vehicle load | Front kPa (psi)           | 220 (32)                    |
|        |                                                             | Rear kPa (psi)            | 220 (32)                    |
|        | Rev./mile-at 70 km/h (45mph)                                | 628                       |                             |
| Wheels | Type & material                                             | Disc, Steel               | Aero-dish, Aluminum         |
|        | Rim (size & flange type)                                    | 14 x 5 1/2 J              | 15 x 6 1/2 J                |
|        | Wheel offset                                                | 55 (2.17)                 |                             |
|        | Attachment                                                  | Type (bolt or stud & nut) | Stud & nut                  |
|        |                                                             | Circle diameter           | 114.3 (4.5)                 |
| Spare  |                                                             | Number & size             | 4, M12 x 1.5P (0.47 x 0.06) |
|        | Tire and wheel                                              | T115 / 70D14; 14 x 4T     | T135 / 80D15; 15 x 4T       |
|        | Storage position & location (describe)                      | Luggage compartment       |                             |

## Tires And Wheels (Optional)

N.A.

|                                                                                                                                                          |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Tire size (service description)                                                                                                                          |  |
| Type (bias, radial, steel, nylon, etc.)                                                                                                                  |  |
| Wheel (type & material)                                                                                                                                  |  |
| Rim (size, flange type and offset)                                                                                                                       |  |
| Tire size (service description)                                                                                                                          |  |
| Type (bias, radial, steel, nylon, etc.)                                                                                                                  |  |
| Wheel (type & material)                                                                                                                                  |  |
| Rim (size, flange type and offset)                                                                                                                       |  |
| Tire size (service description)                                                                                                                          |  |
| Type (bias, radial, steel, nylon, etc.)                                                                                                                  |  |
| Wheel (type & material)                                                                                                                                  |  |
| Rim (size, flange type and offset)                                                                                                                       |  |
| Tire size (service description)                                                                                                                          |  |
| Type (bias, radial, steel, nylon, etc.)                                                                                                                  |  |
| Wheel (type & material)                                                                                                                                  |  |
| Rim (size, flange type and offset)                                                                                                                       |  |
| Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position) |  |

## Brakes - Parking

|                                 |                                          |                              |
|---------------------------------|------------------------------------------|------------------------------|
| Type of control                 |                                          | Hand operated lever          |
| Location of control             |                                          | On floor between front seats |
| Operates on                     |                                          | Rear wheels                  |
| If separate from service brakes | Type (internal or external)              | N.A.                         |
|                                 | Drum diameter                            | N.A.                         |
|                                 | Lining size (length x width x thickness) | N.A.                         |

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

Model Code / Description And / Or  
Engine Code / Description

S, Si, VTEC

Si (4WS)

## Steering

|                                                           |                                           |                        |                                   |                 |             |      |  |  |
|-----------------------------------------------------------|-------------------------------------------|------------------------|-----------------------------------|-----------------|-------------|------|--|--|
| Manual (std., opt., n.a.)                                 |                                           |                        |                                   | N.A.            |             |      |  |  |
| Power (std., opt., n.a.)                                  |                                           |                        |                                   | Std.            |             |      |  |  |
| Speed-sensitive (std., opt., n.a.)                        |                                           |                        |                                   | Std.            |             |      |  |  |
| 4-wheel steering (std., opt., n.a.)                       |                                           |                        |                                   | N.A.            |             | Std. |  |  |
| Adjustable steering wheel/column (tilt, telescope, other) |                                           | Type                   | Tilt                              |                 |             |      |  |  |
|                                                           |                                           | Manufacturer           | NIPPON SEIKO                      |                 |             |      |  |  |
|                                                           |                                           | (Std., opt., n.a.)     | Std.                              |                 |             |      |  |  |
| Wheel diameter** (W9) SAE J1100                           |                                           | Manual                 | N.A.                              |                 |             |      |  |  |
|                                                           |                                           | Power                  | 380 (15.0)                        |                 |             |      |  |  |
| Turning diameter m (ft.)                                  | Outside front                             | Wall to wall (l. & r.) | 11.6 (38.1)                       |                 | 10.3 (33.8) |      |  |  |
|                                                           |                                           | Curb to curb (l. & r.) | 10.9 (35.9)                       |                 | 9.7 (31.8)  |      |  |  |
|                                                           | Inside rear                               | Wall to wall (l. & r.) | 6.4 (21.0)                        |                 | 5.3 (17.4)  |      |  |  |
|                                                           |                                           | Curb to curb (l. & r.) | 6.6 (21.7)                        |                 | 5.6 (18.4)  |      |  |  |
| Scrub Radius*                                             |                                           |                        |                                   | - 0.81 (- 0.03) |             |      |  |  |
| Manual                                                    | Gear                                      | Type                   | N.A.                              |                 |             |      |  |  |
|                                                           |                                           | Manufacturer           | N.A.                              |                 |             |      |  |  |
|                                                           |                                           | Ratios                 | Gear                              | N.A.            |             |      |  |  |
|                                                           |                                           |                        | Overall                           | N.A.            |             |      |  |  |
|                                                           | No. wheel turns (stop to stop)            |                        | N.A.                              |                 |             |      |  |  |
| Power                                                     | Type (coaxial, elec., hyd., etc.)         |                        | Hydraulic                         |                 |             |      |  |  |
|                                                           | Manufacturer                              |                        | Honda Motor                       |                 |             |      |  |  |
|                                                           | Gear                                      | Type                   | Rack & Pinion                     |                 |             |      |  |  |
|                                                           |                                           | Ratios                 | Gear                              | ∞               |             |      |  |  |
|                                                           |                                           |                        | Overall                           | 15.85           |             | 15.1 |  |  |
|                                                           | Pump (drive)                              |                        | Vane pump (V belt)                |                 |             |      |  |  |
|                                                           | No. wheel turns (stop to stop)            |                        | 2.91                              |                 | 2.77        |      |  |  |
| Linkage                                                   | Type                                      |                        | Lateral tie-rod                   |                 |             |      |  |  |
|                                                           | Location (front or rear of wheels, other) |                        | Rear of front wheels              |                 |             |      |  |  |
|                                                           | Tie rods (one or two)                     |                        | Two                               |                 |             |      |  |  |
| Steering axis                                             | Inclination at camber (deg.)              |                        | Camber : 0° King pin angle : 9°6" |                 |             |      |  |  |
|                                                           | Bearings (type)                           | Upper                  | Ball joint                        |                 |             |      |  |  |
|                                                           |                                           | Lower                  | Ball joint                        |                 |             |      |  |  |
|                                                           |                                           | Thrust                 | N.A.                              |                 |             |      |  |  |
| Steering spindle/knuckle & joint type                     |                                           |                        |                                   | Ball joint      |             |      |  |  |

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

\*\* See Page 23

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●)

Model Code / Description And / Or  
Engine Code / Description

|             |          |
|-------------|----------|
| S, Si, VTEC | Si (4WS) |
|-------------|----------|

## Wheel Alignment

|                                |                          |                               |                          |
|--------------------------------|--------------------------|-------------------------------|--------------------------|
| Front wheel at curb mass (wt.) | Service checking         | Caster (deg.)                 | 2°40' ± 1°               |
|                                |                          | Camber (deg.)                 | 0° ± 1°                  |
|                                |                          | Toe-in outside track-mm (in.) | 0 ± 2 (0 ± 0.08)         |
|                                | Service reset*           | Caster (deg.)                 | Pre-set                  |
|                                |                          | Camber (deg.)                 | Pre-set                  |
|                                |                          | Toe-in mm (in.)               | Adjustable               |
|                                | Periodic M.V. inspection | Caster (deg.)                 | Same as service checking |
|                                |                          | Camber (deg.)                 | Same as service checking |
|                                |                          | Toe-in mm (in.)               | Same as service checking |
| Rear wheel at curb mass (wt.)  | Service checking         | Camber (deg.)                 | -45' ± 1°                |
|                                |                          | Toe-in outside track-mm (in.) | 2 ± 2 (0.08 ± 0.08)      |
|                                | Service reset*           | Camber (deg.)                 | Pre-set                  |
|                                |                          | Toe-in mm (in.)               | Adjustable               |
|                                | Periodic M.V. inspection | Camber (deg.)                 | Same as service checking |
|                                |                          | Toe-in mm (in.)               | Same as service checking |

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

## Electrical - Instruments and Equipment

|                                                    |                                                |                                                                                                                                                                                                   |
|----------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Speedometer                                        | Type (analog, digital, std., opt.)             | Analog, Std.                                                                                                                                                                                      |
|                                                    | Trip odometer (std., opt., n.a.)               | Std.                                                                                                                                                                                              |
| Head-up display                                    | Standard, optional, not available              | N.A.                                                                                                                                                                                              |
|                                                    | Type                                           | Secondary, opto-electronic                                                                                                                                                                        |
|                                                    | Speedometer                                    | Digital                                                                                                                                                                                           |
|                                                    | Status / warning indicators                    | Turn signals, high beam, low fuel, check gauges                                                                                                                                                   |
|                                                    | Brightness control                             | Day / night mode, adjustable                                                                                                                                                                      |
|                                                    | EGR maintenance indicator                      | N.A.                                                                                                                                                                                              |
| Charge indicator                                   | Type                                           | Voltage regulator                                                                                                                                                                                 |
|                                                    | Warning device (light, audible)                | Light                                                                                                                                                                                             |
| Temperature indicator                              | Type                                           | Electric thermal gauge                                                                                                                                                                            |
|                                                    | Warning device (light, audible)                | N.A.                                                                                                                                                                                              |
| Oil pressure indicator                             | Type                                           | Electric pressure switch                                                                                                                                                                          |
|                                                    | Warning device (light, audible)                | Light                                                                                                                                                                                             |
| Fuel indicator                                     | Type                                           | Electric gauge                                                                                                                                                                                    |
|                                                    | Warning device (light, audible)                | Light                                                                                                                                                                                             |
| Wind-shield wiper                                  | Type (standard)                                | Electric, 3-speed                                                                                                                                                                                 |
|                                                    | Type (optional)                                | N.A.                                                                                                                                                                                              |
|                                                    | Blade length                                   | Dr side : 550 (21.65), As side : 475 (18.70)                                                                                                                                                      |
|                                                    | Swept area cm <sup>2</sup> (in. <sup>2</sup> ) | 7280(1128)                                                                                                                                                                                        |
| Wind-shield washer                                 | Type (standard)                                | Electric powered pump                                                                                                                                                                             |
|                                                    | Type (optional)                                | N.A.                                                                                                                                                                                              |
|                                                    | Fluid level indicator (light, audible)         | N.A.                                                                                                                                                                                              |
| Rear window wiper, wiper/washer (std., opt., n.a.) |                                                | N.A.                                                                                                                                                                                              |
| Horn                                               | Type                                           | Electric vibrator                                                                                                                                                                                 |
|                                                    | Number used                                    | 2                                                                                                                                                                                                 |
| Other                                              |                                                | Brake failure, Parking brake warning lamp, Door open, Trunk lid open, seat belt warning buzzer & warning lamp, Brake lamp failer warning lamp, Hi-beam indicator lamp, SRS * indicator lamp, etc. |

\* SRS : Supplemental Restraint System

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

Engine Code / Description

|       |       |       |
|-------|-------|-------|
| F22A1 | H23A1 | H22A1 |
|-------|-------|-------|

## Electrical - Supply System

|            |                            |                                                                 |  |
|------------|----------------------------|-----------------------------------------------------------------|--|
| Battery    | Manufacturer               | YUASA / MATSUSHITA / FURUKAWA                                   |  |
|            | Model, std., (opt.)        | 80D26L-MF                                                       |  |
|            | Voltage                    | 12                                                              |  |
|            | Amps at 0°F cold crank     | 550                                                             |  |
|            | Minutes-reserve capacity   | 110                                                             |  |
|            | Amps/hrs. - 20 hr. rate    | 65                                                              |  |
|            | Location                   | R. h. front side in engine compartment                          |  |
| Alternator | Manufacturer               | NIPPONDENSO                                                     |  |
|            | Rating (idle/max. rpm)     | 12V : 80~85A(950 ~ 18000rpm)   12V : 90 ~ 98A (1150 ~ 18000rpm) |  |
|            | Ratio (alt. crank/rev.)    | 2.52                                                            |  |
|            | Output at idle (rpm, park) | 40A                                                             |  |
| Regulator  | Optional (type & rating)   | N.A.                                                            |  |
|            | Type                       | IC regulator, Voltage control                                   |  |

## Electrical - Starting System

|             |                                   |            |           |
|-------------|-----------------------------------|------------|-----------|
| Motor       | Manufacturer                      | MITSUBA    |           |
|             | Current drain °C (°F)             | —          |           |
|             | Power rating kw (hp)              | 1.4 (1.9)  | 1.6 (2.1) |
| Motor drive | Engagement type                   | Magnetic   |           |
|             | Pinion engages from (front, rear) | Right side |           |

## Electrical - Ignition System

|             |                                |                             |                           |                       |                           |                        |                            |
|-------------|--------------------------------|-----------------------------|---------------------------|-----------------------|---------------------------|------------------------|----------------------------|
| Type        | Electronic (std., opt., n.a.)  | Std.                        |                           |                       |                           |                        |                            |
|             | Other (specify)                | N.A.                        |                           |                       |                           |                        |                            |
| Coil        | Manufacturer                   | TOYO DENSO                  |                           |                       |                           |                        |                            |
|             | Model                          | TC-08A                      |                           |                       |                           |                        |                            |
|             | Current                        | —                           |                           |                       |                           |                        |                            |
| Spark plug  | Engine stopped - A             | —                           |                           |                       |                           |                        |                            |
|             | Engine idling - A              | —                           |                           |                       |                           |                        |                            |
|             | Manufacturer                   | NGK                         | NIPPONDENSO               | NGK                   | NIPPONDENSO               | NGK                    | NIPPONDENSO                |
|             | Model                          | ZFR5F-11<br>*ZFR6F-11       | KJ16CR-L11<br>*KJ20CR-L11 | ZFR6F-11<br>*ZFR7F-11 | KJ20CR-L11<br>*KJ22CR-L11 | PZFR6F-11<br>*PFR7G-11 | PKJ20CR-L11<br>*PK22PR-L11 |
|             | Thread (mm)                    | 1.25                        |                           |                       |                           |                        |                            |
|             | Tightening torque N·m (lb, ft) | 0.179 ± 0.025 (3.86 ± 0.55) |                           |                       |                           |                        |                            |
| Distributor | Gap                            | 1.0 - 1.1 (0.039 - 0.043)   |                           |                       |                           |                        |                            |
|             | Number per cylinder            | 1                           |                           |                       |                           |                        |                            |
|             | Manufacturer                   | TOYO DENSO                  |                           |                       |                           |                        |                            |
| Distributor | Model                          | TD-59U                      |                           | TD-61U                |                           |                        |                            |

\*1: For not climates or continuous high speed driving.

## Electrical - Suppression

|                  |      |
|------------------|------|
| Locations & type | N.A. |
|------------------|------|

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(•) \_\_\_\_\_

2 - door coupe

Model Code / Description

## Body

|                               |                                                                                                                                                                                                |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Structure                     | Monocoque construction                                                                                                                                                                         |
| Bumper system<br>front - rear | Plastic bumper with energy absorbing form                                                                                                                                                      |
| Anti-corrosion treatment      | P.V.C. Coating : Under the vehicle<br>Chipping primer : Hood, Roof, Fender, Front pillar and side sill<br>Rust proof wax : Door, Hood, Trunk lid, Roof, Fender, Locker panel and Quarter panel |

## Body - Miscellaneous Information

|                                                                  |                                               |                              |
|------------------------------------------------------------------|-----------------------------------------------|------------------------------|
| Type of finish (lacquer, enamel, other)                          |                                               | Acrylic baking               |
| Hood                                                             | Material & mass                               | Iron-zinc alloy coated steel |
|                                                                  | Hinge location (front, rear)                  | Rear                         |
|                                                                  | Type (counterbalance, prop)                   | Prop                         |
|                                                                  | Release control (internal, external)          | Internal                     |
| Trunk lid                                                        | Material & mass                               | Iron-zinc alloy coated steel |
|                                                                  | Type (counterbalance, other)                  | Counterbalance               |
|                                                                  | Internal release control (elec., mech., n.a.) | Mechanical                   |
| Hatch-back lid                                                   | Material & mass                               | N.A.                         |
|                                                                  | Type (counterbalance, other)                  | N.A.                         |
|                                                                  | Internal release control (elec., mech., n.a.) | N.A.                         |
| Tailgate                                                         | Material & mass                               | N.A.                         |
|                                                                  | Type (drop, lift, door)                       | N.A.                         |
|                                                                  | Internal release control (elec., mech., n.a.) | N.A.                         |
| Vent window control (crank, friction, pivot, power)              | Front                                         | N.A.                         |
|                                                                  | Rear                                          | N.A.                         |
| window regulator type (cable, tape, flex, drive, etc.)           | Front                                         | Flex (Pantograph arm)        |
|                                                                  | Rear                                          | N.A.                         |
| Seat cushion type (e.g., 60/40, bucket, bench, wire, foam, etc.) | Front                                         | Bucket, Wire & Urethanfoam   |
|                                                                  | Rear                                          | Bucket, Urethanfoam          |
|                                                                  | 3rd seat                                      | N.A.                         |
| Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)    | Front                                         | Bucket, Wire & Urethanfoam   |
|                                                                  | Rear                                          | Bucket, Urethanfoam          |
|                                                                  | 3rd seat                                      | N.A.                         |

## Frame

|                                                                                 |                |
|---------------------------------------------------------------------------------|----------------|
| Type and description (separate frame, unitized frame, partially-unitized frame) | Unitized frame |
|---------------------------------------------------------------------------------|----------------|

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

2 - door coupe

Model Code / Description

## Restraint System

| Restraint System |                                                                                                                                            |             |                                |        |                                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------|--------|--------------------------------|
| Seating Position |                                                                                                                                            |             | Left                           | Center | Right                          |
| Active           | Type & description<br>(lap & shoulder belt,<br>lap belt, etc.)<br><br>Standard / optional                                                  | First seat  | Lap & shoulder belt,<br>Std.   | N.A.   | Lap & shoulder belt,<br>Std.   |
|                  |                                                                                                                                            | Second seat | Lap & shoulder belt,<br>Std.   | N.A.   | Lap & shoulder belt,<br>Std.   |
|                  |                                                                                                                                            | Third seat  | N.A.                           | N.A.   | N.A.                           |
| Passive          | Type & description<br>(air bag, motorized -<br>2-point belt, fixed belt,<br>knee bolster, manual -<br>lap belt)<br><br>Standard / optional | First seat  | Air bag, Knee bolster,<br>Std. | N.A.   | Air bag, Knee bolster,<br>Std. |
|                  |                                                                                                                                            | Second seat | N.A.                           | N.A.   | N.A.                           |
|                  |                                                                                                                                            | Third seat  | N.A.                           | N.A.   | N.A.                           |

| Glass                                                                                  | SAE<br>Ref. No. |                                        |
|----------------------------------------------------------------------------------------|-----------------|----------------------------------------|
| Windshield glass exposed<br>surface area cm <sup>2</sup> (in. <sup>2</sup> )           | S1              | 11133 (1726)                           |
| Side glass exposed surface<br>area cm <sup>2</sup> (in. <sup>2</sup> ) - total 2-sides | S2              | 8660 (1342)                            |
| Backlight glass exposed<br>surface area cm <sup>2</sup> (in. <sup>2</sup> )            | S3              | 9227 (1430)                            |
| Total glass exposed surface<br>area cm <sup>2</sup> (in. <sup>2</sup> )                | S4              | 29020 (4498)                           |
| Windshield glass (type / thickness)                                                    |                 | Laminated safety glass / 5.4 (0.21)    |
| Side glass (type / thickness)                                                          |                 | Tempered reinforced glass / 3.3 (0.13) |
| Backlight glass (type / thickness)                                                     |                 | Tempered reinforced glass / 4.0 (0.16) |
| Tinted (yes / no, location)                                                            |                 | Yes, All glasses                       |
| Solar control (yes / no,<br>coated / batched, location)                                |                 | No                                     |

## Headlamps

|                                                               |                                |
|---------------------------------------------------------------|--------------------------------|
| Description (sealed beam,<br>halogen, replaceable bulb, etc.) | Replaceable bulb, Halogen      |
| Shape                                                         | Trapezoid (Aerodynamic design) |
| Lo-beam type (2A1, 2B1,<br>2C1, etc.)                         | HB4                            |
| Quantity                                                      | 2                              |
| Hi-beam type (1A1, 2A1, 1C1,<br>2C1, etc.)                    | H83                            |
| Quantity                                                      | 2                              |

# MVMA Specifications

METRIC (U.S. Customary )

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

Engine Code / Description

Climate Control System

| F22A1 | H23A1 | H22A1 |
|-------|-------|-------|
|-------|-------|-------|

|                                             |                          |                                            |
|---------------------------------------------|--------------------------|--------------------------------------------|
| Air conditioning (std., opt., man., auto.)  |                          | Std. (H23A1, H22A1) manual<br>Opt. (F22A1) |
| Condenser                                   | Type                     | Corrugated fin type                        |
|                                             | Eff. face area (sq. mm.) | 170600                                     |
|                                             | Fins per inch            | 10                                         |
| Evaporator                                  | Type                     | Corrugated fin type                        |
|                                             | Eff. face area (sq. mm.) | 61900                                      |
|                                             | Fins per inch            | 7.1                                        |
| Heater core                                 | Material                 | Copper                                     |
|                                             | Eff. face area (sq. mm.) | 28200                                      |
|                                             | Fins per inch            | 5.6                                        |
| Compressor                                  | Type                     | Swash plate type                           |
|                                             | Displacement (cc.)       | 90                                         |
|                                             | Manufacturer             | NIPPONDENSO                                |
|                                             | A/C pulley ratio         | 1.52                                       |
| Accumulator                                 | Type                     | N.A.                                       |
|                                             | Height (mm.)             | N.A.                                       |
|                                             | Diameter (mm.)           | N.A.                                       |
| Receiver                                    | Type                     | —                                          |
|                                             | Height (mm.)             | 185                                        |
|                                             | Diameter (mm.)           | 60                                         |
| Refrigerant control (CCOT, TVS, etc.)       |                          | —                                          |
| Heater water valve (yes / no)               |                          | Yes                                        |
| Refrigerant (R-12, R-134a, etc.)            |                          | R-134a                                     |
| Charge level (lbs. - oz.)                   |                          | Max. 1.76 (28)                             |
| Cold engine lockout switch (yes / no)       |                          | —                                          |
| Wide open throttle cutout switch (yes / no) |                          | —                                          |

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

2 - door coupe

Model Code / Description

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

|            |                                                   |                          |
|------------|---------------------------------------------------|--------------------------|
|            | Clock (digital, analog)                           | Std., Digital            |
|            | Compass / thermometer                             | N.A.                     |
|            | Console (floor, overhead)                         | Std., floor              |
|            | Defroster, electric windshield                    | N.A.                     |
|            | Defroster, electric, backlight                    | Std.                     |
| Electronic | Diagnostic monitor (integrated, individual)       | N.A.                     |
|            | Instrument cluster (list instruments)             | N.A.                     |
|            | Keyless entry                                     | N.A.                     |
|            | Tripminder (avg. spd., fuel)                      | N.A.                     |
|            | Voice alert (list items)                          | N.A.                     |
|            | Other                                             | N.A.                     |
|            | Fuel door lock (remote, key, electric)            | Std., Remote for release |
| Lamps      | Auto head on / off delay, dimming                 | N.A.                     |
|            | Cornering                                         | N.A.                     |
|            | Courtesy (map, reading)                           | N.A.                     |
|            | Door lock, ignition                               | Std., Ignition           |
|            | Engine compartment                                | N.A.                     |
|            | Fog                                               | N.A.                     |
|            | Glove compartment                                 | N.A.                     |
|            | Trunk                                             | Std.                     |
|            | Illuminated entry system (list lamps, activation) | N.A.                     |
|            | Other                                             | N.A.                     |
| Mirrors    | Day / night (auto. man.)                          | Std., Manual             |
|            | L.H. (remote, power, heated)                      | Std., Power              |
|            | R.H. (convex, remote, power, heated)              | Std., Convex, Power      |
|            | Visor vanity (RH / LH, illuminated)               | Std., RH / LH            |
|            | Navigation system (describe)                      | N.A.                     |
|            | Parking brake-auto release (warning light)        | N.A.                     |

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line  
Model Year

PRELUDE

1994

Issued

Aug., 1993

Revised(●)

Model Code / Description

S

Si, Si (4WS)

VTEC

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

|                                            |                                                 |                                                                                                                   |                                                 |                                                      |                                                                        |
|--------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------|
| Power equipment                            | Deck lid (release, pull down)                   |                                                                                                                   | N.A.                                            |                                                      |                                                                        |
|                                            | Door locks (manual, automatic, describe system) |                                                                                                                   | N.A.                                            |                                                      | Std., Manual                                                           |
|                                            | Seats                                           | 2 - 4 - 6 way, etc.                                                                                               | N.A.                                            |                                                      |                                                                        |
|                                            |                                                 | Reclining (R.H., L.H.)                                                                                            | N.A.                                            |                                                      |                                                                        |
|                                            |                                                 | Memory (R.H., L.H., preset recline)                                                                               | N.A.                                            |                                                      |                                                                        |
|                                            |                                                 | Support (lumbar, hip, thigh, etc.)                                                                                | N.A.                                            |                                                      |                                                                        |
|                                            |                                                 | Heated (R.H., L.H., other)                                                                                        | N.A.                                            |                                                      |                                                                        |
|                                            | Side windows                                    |                                                                                                                   | Std.                                            |                                                      |                                                                        |
|                                            | Vent windows                                    |                                                                                                                   | N.A.                                            |                                                      |                                                                        |
|                                            | Rear windows                                    |                                                                                                                   | N.A.                                            |                                                      |                                                                        |
|                                            |                                                 |                                                                                                                   |                                                 |                                                      |                                                                        |
| Radio systems                              | Antenna (location, whip, w / shield, power)     |                                                                                                                   | Std., Rear W / shield & Trunk side, Whip, Power |                                                      |                                                                        |
|                                            | Standard                                        | AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc. | Std., AM, FM, Stereo, Tape                      |                                                      | Std., AM, FM, Stereo, Tape, Theft deterrent                            |
|                                            | Optional                                        |                                                                                                                   | N.A.                                            |                                                      |                                                                        |
|                                            | Speaker (number, location)                      |                                                                                                                   | Std., 4, Front side door, Rear tray             | Std., 6, Front side door, Instrument side, Rear tray | Std., 7, Front side door, Instrument side, Rear tray, Rear CTR console |
|                                            | Roof: open air or fixed (flip-up, sliding, "T") |                                                                                                                   | Std., Outer sliding                             |                                                      |                                                                        |
| Speed control device                       |                                                 | Std.                                                                                                              |                                                 |                                                      |                                                                        |
| Speed warning device (light, buzzer, etc.) |                                                 | N.A.                                                                                                              |                                                 |                                                      |                                                                        |
| Tachometer (rpm)                           |                                                 | Std.                                                                                                              |                                                 |                                                      |                                                                        |
| Telephone system (describe)                |                                                 | N.A.                                                                                                              |                                                 |                                                      |                                                                        |
| Theft deterrent system                     |                                                 | N.A.                                                                                                              |                                                 |                                                      |                                                                        |

## Trailer Towing

|                                  |           |            |
|----------------------------------|-----------|------------|
| Towing capable                   | Yes / No  | Yes        |
| Engine / transmission / axle     | Std / Opt | Std.       |
| Tow class (I, II, III)*          | Std / Opt | I          |
| Max, gross trailer wgt. (lbs.)   | Std / Opt | Std., 1000 |
| Max, trailer tongue load. (lbs.) | Std / Opt | Std., 100  |
| Towing package available         | Yes / No  | No         |

\* Class I - 2,000 lbs. Class II - 3,500 lbs. Class III - 5,000 lbs.

# MVMA Specifications

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug. 1993 Revised(●)

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

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

| Model Code / Description         | SAE Ref. No. | S            | Si, Si (4WS), VTEC |
|----------------------------------|--------------|--------------|--------------------|
| <b>Width</b>                     |              |              |                    |
| Tread (front)                    | W101         | 1525 (60.0)  |                    |
| Tread (rear)                     | W102         | 1515 (59.6)  |                    |
| Vehicle width                    | W103         | 1765 (69.5)  |                    |
| Body width at Sg RP (front)      | W117         | 1765 (69.5)  |                    |
| Vehicle width (front doors open) | W120         | 3710 (146.1) |                    |
| Vehicle width (rear doors open)  | W121         | N.A.         |                    |
| Tumble-home (degrees)            | W122         | 30°30'       |                    |
| Outside mirror width             | W410         | 1968 (77.5)  |                    |

## Length

|                               |      |              |  |
|-------------------------------|------|--------------|--|
| Wheelbase                     | L101 | 2550 (100.4) |  |
| Vehicle length                | L103 | 4440 (174.8) |  |
| Overhang (front)              | L104 | 966 (30.0)   |  |
| Overhang (rear)               | L105 | 924 (36.4)   |  |
| Upper structure length        | L123 | 2461 (96.9)  |  |
| Rear wheel C/L "X" coordinate | L127 | 2550 (100.4) |  |

## Height\*

|                                     |         |             |  |
|-------------------------------------|---------|-------------|--|
| Passenger distribution (front/rear) | PD1,2,3 | 2 / 2       |  |
| Trunk/cargo load                    |         | 45 (100)    |  |
| Vehicle height                      | H101    | 1250 (49.2) |  |
| Cowl point to ground                | H114    | 856 (33.7)  |  |
| Deck point to ground                | H138    | 964 (38.0)  |  |
| Rocker panel-front to ground        | H112    | 134 (5.3)   |  |
| Rocker panel-rear to ground         | H111    | 154 (6.1)   |  |
| Windshield slope angle (degrees)    | H122    | 72°         |  |
| Backlight slope angle (degrees)     | H121    | 58°         |  |

## Ground Clearance\*

|                                           |      |                 |           |
|-------------------------------------------|------|-----------------|-----------|
| Front bumper to ground                    | H102 | 253 (10.0)      | 202 (8.0) |
| Rear bumper to ground                     | H104 | 245 (9.6)       |           |
| Bumper to ground front at curb mass (wt.) | H103 | 268 (10.6)      | 218 (8.6) |
| Bumper to ground rear at curb mass (wt.)  | H105 | 306 (12.0)      |           |
| Angle of approach (degrees)               | H106 | 16°30'          | 15°       |
| Angle of departure (degrees)              | H107 | 17°42'          |           |
| Ramp breakover angle (degrees)            | H147 | 12°42'          |           |
| Axle differential to ground (front/rear)  | H153 | 150 (5.9)       |           |
| Min. running ground clearance             | H156 | 130 (5.1)       |           |
| Location of min. run. grd. clear.         |      | Rear cross beam |           |

- \* All vehicle height and ground clearances are measured at the Manufacturer's Design Load Weight. Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load, unless otherwise specified. All linear dimensions are in millimeters (inches) unless otherwise noted.

# MVMA Specifications

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●) \_\_\_\_\_

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Model Code / Description

2 - door coupe

| Front Compartment                        | SAE Ref. No. |      |        |
|------------------------------------------|--------------|------|--------|
| SgRP front, "X" coordinate               | L31          | 1535 | (60.4) |
| Effective head room                      | H61          | 966  | (38.0) |
| Max. eff. leg room (accelerator)         | L34          | 1122 | (44.2) |
| SgRP to heel point                       | H30          | 178  | (7.0)  |
| SgRP to heel point                       | L53          | 935  | (36.8) |
| Back angle (degrees)                     | L40          | 25°  |        |
| Hip angle (degrees)                      | L42          | 104° |        |
| Knee angle (degrees)                     | L44          | 147° |        |
| Foot angle (degrees)                     | L46          | 96°  |        |
| Design H-point front travel              | L17          | 199  | (7.8)  |
| Normal driving & riding seat track trvl. | L23          | 199  | (7.8)  |
| Shoulder room                            | W3           | 1371 | (54.0) |
| Hip room                                 | W5           | 1326 | (52.2) |
| Upper body opening to ground             | H50          | 1181 | (46.5) |
| Steering wheel maximum diameter*         | W9           | 380  | (15.0) |
| Steering wheel angle (degrees)           | H18          | 20°  |        |
| Accel. heel pt. to steer. whl. cntr      | L11          | 479  | (18.9) |
| Accel. heel pt. to steer. whl. cntr      | H17          | 560  | (22.0) |
| Undepressed floor covering thickness     | H67          | 32   | (1.3)  |

## Rear Compartment

|                                    |     |        |        |
|------------------------------------|-----|--------|--------|
| SgRP point couple distance         | L50 | 575    | (22.6) |
| Effective head room                | H63 | 891    | (35.1) |
| Min. effective leg room            | L51 | 715    | (28.1) |
| SgRP (second to heel)              | H31 | 237    | (9.3)  |
| Knee clearance                     | L48 | -204   | (-8.0) |
| Shoulder room                      | W4  | 1284   | (50.6) |
| Hip room                           | W6  | 1052   | (41.4) |
| Upper body opening to ground       | H51 | 1179   | (46.4) |
| Back angle (degrees)               | L41 | 28°    |        |
| Hip angle (degrees)                | L43 | 79°30' |        |
| Knee angle (degrees)               | L45 | 70°30' |        |
| Foot angle (degrees)               | L47 | 108°   |        |
| Depressed floor covering thickness | H73 | 21     | (0.8)  |

## Luggage Compartment

|                                     |      |     |        |
|-------------------------------------|------|-----|--------|
| Usable luggage capacity L (cu. ft.) | V1   | 259 | (9.1)  |
| Liftover height                     | H195 | 634 | (25.0) |

## Interior Volumes (EPA Classification)

|                                                           |  |                 |
|-----------------------------------------------------------|--|-----------------|
| Vehicle class                                             |  | Sub-compact car |
| Interior volume index including trunk / cargo (cu. ft.)** |  | 88.1            |
| Trunk / cargo index (cu. ft.)                             |  | 7.9             |

\*See page 14.

\*\*See definition page 33.

All linear dimensions are in millimeters (inches) unless otherwise noted.

# MVMA Specifications

Vehicle Line

PRELUDE

Model Year

1994

Issued

Aug., 1993

Revised(\*)

METRIC (U.S. Customary )

Vehicle Dimensions See Key Sheets for definitions

Model code / Description

2 - door coupe

Station Wagon / MPV\*

SAE  
Ref.  
No.

N.A.

- Third Seat

|                       |     |  |
|-----------------------|-----|--|
| Seat facing direction | SD1 |  |
| SgRP couple distance  | L85 |  |
| Shoulder room         | W85 |  |
| Hip room              | W86 |  |
| Effective leg room    | L86 |  |
| Effective head room   | H86 |  |
| SgRP to heel point    | H87 |  |
| Knee clearance        | L87 |  |
| Back angle (degrees)  | L88 |  |
| Hip angle (degrees)   | L89 |  |
| Knee angle (degrees)  | L90 |  |
| Foot angle (degrees)  | L91 |  |

Station Wagon / MPV\* - Cargo Space

N.A.

|                                                              |      |  |
|--------------------------------------------------------------|------|--|
| 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 |  |
| Min. 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 <sup>3</sup> (ft. <sup>3</sup> )        | V2   |  |
| Hidden cargo volume index m <sup>3</sup> (ft. <sup>3</sup> ) | V4   |  |
| Cargo volume index-rear of 2-seat                            | V10  |  |
| Cargo volume index*                                          | V6   |  |
| Cargo width at floor*                                        | W500 |  |
| Maximum cargo height *                                       | H505 |  |

Hatchback - Cargo Space

N.A.

|                                                              |      |  |
|--------------------------------------------------------------|------|--|
| Cargo length at front seatback height                        | L208 |  |
| Cargo length at floor (front)                                | L209 |  |
| Cargo length at second seatback height                       | L210 |  |
| Cargo length at floor (second)                               | L211 |  |
| Front seatback to load floor height                          | H197 |  |
| Second seatback to load floor height                         | H198 |  |
| Cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )        | V3   |  |
| Hidden cargo volume index m <sup>3</sup> (ft. <sup>3</sup> ) | V4   |  |
| Cargo volume index-rear of 2-seat                            | V11  |  |

All linear dimensions are in millimeters (inches) unless otherwise noted.

\* MPV - Multipurpose Vehicle

# MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE  
Model Year 1994 Issued Aug., 1993 Revised(●)

Model code /  
Description

2 - door coupe

## Vehicle Fiducial Marks

| Fiducial Mark Number*                         | Define Coordinate Location |
|-----------------------------------------------|----------------------------|
| Front (1)                                     |                            |
| Front (2)                                     |                            |
| Rear (1)                                      |                            |
| Rear (2)                                      |                            |
| Note : Provide 3 of 4 Fiducial Mark Locations |                            |
| Front                                         | W21** —                    |
|                                               | L54** —                    |
|                                               | H81** —                    |
|                                               | H161** 220 (8.66)          |
|                                               | H163** —                   |
| Rear                                          | W22** —                    |
|                                               | L55** —                    |
|                                               | H82** —                    |
|                                               | H162** 235 (9.25)          |
|                                               | H164** —                   |

\* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks.

\*\* Reference - SAE Recommended Practice, J1100 - Motor Vehicle Dimensions.

All linear dimensions are in millimeters (inches) unless otherwise noted.

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

Model Year

## PRELUDE

1994

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Revised(●)

\* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.

ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications.

Refer to ETWC code legend below for test weight class.

|   |   |      |   |   |      |   |   |      |    |   |      |
|---|---|------|---|---|------|---|---|------|----|---|------|
| A | = | 1000 | I | = | 2000 | Q | = | 3000 | Y  | = | 4000 |
| B | = | 1125 | J | = | 2125 | R | = | 3125 | Z  | = | 4250 |
| C | = | 1250 | K | = | 2250 | S | = | 3250 | AA | = | 4500 |
| D | = | 1375 | L | = | 2375 | T | = | 3375 | BB | = | 4750 |
| E | = | 1500 | M | = | 2500 | U | = | 3500 | CC | = | 5000 |
| F | = | 1625 | N | = | 2625 | V | = | 3625 | DD | = | 5250 |
| G | = | 1750 | O | = | 2750 | W | = | 3750 | EE | = | 5500 |
| H | = | 1875 | P | = | 2875 | X | = | 3875 | FF | = | 5750 |

\*\*\*Shipping Mass (weight) = Curb Weight Less : 42 kg

Fuel Mass  $(60 - 3) \times 0.74 = 42 \text{ (92.6)}$

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

Model Year 1994

Issued Aug., 1993 Revised(●)

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