MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1996

Manufacturer	Vehicle Line	
HONDA MOTOR CO., LTD.	HONDA PRELUDE	
Mailing Address 2-1-1, Minami-Aoyama, Minato-ku Tokyo, Japan	Issued June, 30, 1995	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 suggested specification form was developed by the vehicle manufacturing companies under the auspices of the American Automobile Manufacturers Association.

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.

AAMA

American Automobile Manufacturers Association
Forms Provided by Technical Affairs Division

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
8-10	Transmission, Axle 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 Equipme nt
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

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. Specification 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 form the manufacturer.

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE
Model Year 1996 Issued Jun., 1995 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., 1995	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
		PRELUDE SE 5M*1 (BB217)			22 / 26
		PRELUDE SE 4A*2 (BB227)			22 / 27

*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)

Power Teams

Vehicle Line PRELUDE

Model Year 1996 Issued Jun., 1995 Revised(•)

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77°F/25°C and 29.61 in. Hg/100 kPa atmospheric pressure.

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

Series Availability		Power Teams (A - B - C - D)	
Model	Code	Standard	Optional
PRELUDE S	BA814, BA824	A	
→ PRELUDE Si	BB215, BB225	B	
PRELUDE Si (4WS)	BB216, BB226	B	
PRELUDE VTEC	BB117	C	
PRELUDE SE	BB217, BB227	B	

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE
Model Year 1996 Issued Jun., 1995 Revised(•)

Engine Description
Engine Code

ENGINE - GENERAL

		F22A1	H23A1	H22A1
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 (C/L to C/L)		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^3 ($inches^3$)		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^3 ($inches^3$)		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)	Cost 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

	F22A1	H23A1	H22A1
Material & mass, g (weight, oz.) - piston only	Alumi. alloy, 321 (11.3)	Alumi. alloy, 343 (12.1)	Alumi. alloy, 355 (12.5)

Engine - Camshaft

		F22A1	H23A1	H22A1
Location		In cylinder head		
Material & mass kg (weight, lbs.)		Ni - Cr - Mo, Steel 2.7 (6.0)	Ni - Cr - Mo - Fc - 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 1996 Issued Jun., 1995 Revised(•)

Engine Description / Engine Code		F22A1	H23A1	H22A1
Engine - Valve System				
Hydraulic lifters (std., opt., n.a.)		N.A.		
Valves	Number intake / exhaust	8 / 8		
	Head O.D. intake / exhaust	34.0 (1.34) / 29.0 (1.14)		35.0 (1.38) / 30.0 (1.18)
Engine - Connecting Rods				
Material & mass kg., (weight, lbs.)*		Carbon steel 0.35 (0.77)		
Length (axes C/L to C/L)		141.5 (5.571)		143.0 (5.630)
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 1996 Issued Jun., 1995 Revised(•)

Engine - Cooling System

Engine Description / Engine Code		F22A1	H23A1	H22A1
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), *4A : 4.0 (8.8)	Aluminum, *5M : 3.8 (8.4), *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 1996 Issued Jun., 1995 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 1996 Issued Jun., 1995 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 (in³)	Confidential		
		Substrate type	Monolith		
		Noble metal type	Confidential		
		Noble metal concentration (g/cm³)	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.		
	Vapor storage provision		Canister		
Electronic system	Closed loop (yes/no)		Yes		
	Open loop (yes/no)		No		

Engine - Exhaust System

Type (single ,single with cross-over, dual, other)		Single	Single with 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)
Tail pipe	o.d. & wall thickness	38.1 (1.50), 1.2 (0.05)		42.7 (1.68), 1.2 (0.05)
	Material & Mass kg (weight lbs)	Stainless steel , -		

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE
Model Year 1996 Issued Jun., 1995 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	2	1.950
	3rd	1.230	1.320	3	1.360
	4th	0.903	1.034	4	1.071
	5th	0.705	0.812	5	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 mfgr. & material coding	F. C. C.	
	Facing material & construction	Resin Mold, Semi Mold	
	Rivets per facing	16	
	Outside x inside dia. (nominal)	220 × 150 (8.66 × 5.91)	
	Total eff. area cm^2 ($in.^2$)	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 permanentry 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 atitude model

*2 : For California model

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE
Model Year 1996 Issued Jun., 1995 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_4-D_3-2-1	
	Shift interlock (yes, no, describe)	Yes, The shift lever cannot be operated unless the brake pedal is depressed	
Gear ratios	1st	2.705	
	2nd	1.482	1.535
	3rd	1.028	1.057
	4th	0.707	0.750
	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 (9(
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 ÷ $\sqrt{\text{torque}}$

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

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE
Model Year 1996 Issued Jun., 1995 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 1996 Issued Jun., 1995 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.
	sensors	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 × 63.0 ~ 76.0(14.1×2.5~3.0) ~~*4A : 364.3 × 63.0 ~ 76.0(14.3×2.5~3.0)~~	*5M : 364.3 × 63.0 ~ 76.0(14.3×2.5~3.0) ~~*4A : 370.4 × 63.0 ~ 75.8(14.6×2.5~3.0)~~
	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
* 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 × 62.9 ~ 77.6 (14.5 × 2.5 ~ 3.1)	374.5 × 62.9 ~ 77.6 (14.7 × 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.	
Stabilizer	Type (link, linkless, frameless)		Link	
	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 1996 Issued Jun., 1995 Revised(•)

Model Code / Description And / Or
Engine Code / Description

Brakes - Service

			F22A1	H23A1	H22A1
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.³)		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 cm² (in.²)*		F / R	197.6 (30.63) / 111.6 (17.30)		232.0 (35.96) / 111.6 (17.3
Gross Lining area cm² (in.²)** (F / R)		F / R	203.5 (31.54) / 111.6 (17.30)		238.2 (36.92) / 111.6 (17.3
Swept area cm² (in.²)*** (F/R)		F / R	1287 (199.5) / 1096 (169.8)		1479 (229.2) / 1096
Rotor	Outer working diameter	F / R	258 (10.16) / 258 (10.16)		280 (11.02) / 258 (.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		JAPAN BRAKE
	Lining code*****		AK NS145H FF		JB NF21 FF
	Material		Resin mold (Non-asbestos)		
	**** Size Primary or out-board		118.5 × 49.1 × 11.5 (4.67 × 1.93 × 0.45)		132.4 × 51.5 × 11.0
	Secondary or in-board		118.5 × 49.1 × 11.5 (4.67 × 1.93 × 0.45)		(5.21 × 2.03 × 0.43)
	Shoe thickness (no lining)		7 (0.28)		7.5 (0.30)
Brake lining — Rear wheel	Bonded or riveted (rivets / seg.)		Bonded		
	Manufacturer		NISSIN SPINING		
	Lining code*****		N8K D6222 FF		
	Material		Resin mold (Non-asbestos)		
	**** Size Primary or out-board		71 × 40 × 9 (2.80 × 1.57 × 0.35)		
	Secondary or in-board		71 × 40 × 9 (2.80 × 1.57 × 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 1996 Issued Jun., 1995 Revised(•)

Model Code / Description And / Or Engine Code / Description	S	Si, Si (4WS), VTEC	SE

Tires And Wheels (Standard)

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)	205 (30)	220 (32)	
		Rear kPa (psi)	205 (30)	220 (32)	
	Rev./mile-at 70 km/h (45mph)		851	874	
Wheels	Type & material		Disc, Steel	Aero - dish, Aluminum	Spoke, Aluminum
	Rim (size & flange type)		14 × 5½JJ	15 × 6½JJ	
	Wheel offset		55 (2.17)		
	Attachment	Type (bolt or stud & nut)	Stud & nut		
		Circle diameter	114.3 (4.5)		
		Number & size	4, M12 × 1.5P (0.47 × 0.06)		
Spare	Tire and wheel		T115/70D14, 14 × 4T	T135/80D15, 15 × 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 1996 Issued Jun., 1995 Revised(•)

Model Code / Description And / Or Engine Code / Description	S, Si, VTEC, SE	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 1996 Issued Jun., 1995 Revised(•)

Model Code / Description And / Or Engine Code / Description	S, Si, VTEC, SE	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°	-45' ± 30'
		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	N.A.
	Speedometer	Digital	N.A.
	Status /warning indicators	Turn signals, high beam, low fuel, check gauges	N.A.
			N.A.
	Brightness control	Day / night mode, adjustable	N.A.
			N.A.
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
Windshield wiper	Type (standard)		Electric, 3-speed
	Type (optional)		N.A.
	Blade length		Dr side : 550 (21.65), As side : 475 (18.70)
	Swept area cm² (in.²)		7280(1128)
Windshield 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 1996 Issued Jun., 1995 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	
	Optional (type & rating)	N.A.	
Regulator	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	Engine stopped - A	—					
		Engine idling - A	—					
Spark plug	Manufacturer		NGK	NIPPONDENSO	NGK	NIPPONDENSO	NGK	NIPPONDENSO
	Model		ZFR5F-11 *1 ZFR6F-11	KJ16CR-L11 *1 KJ20CR-L11	ZFR6F-11 *1 ZFR7F-11	KJ20CR-L11 *1 KJ22CR-L11	PZFR6F-11 *1 PFR7G-11	PKJ20CR-L11 *1 PK22PR-L11
	Thread (mm)		1.25					
	Tightening torque N·m (lb, ft)		0.179 ± 0.025 (3.86 ± 0.55)					
	Gap		1.0 - 1.1 (0.039 - 0.043)					
	Number per cylinder		1					
Distributor	Manufacturer		TOYO DENSO					
	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 1996 Issued Jun., 1995 Revised(•)

Model Code / Description	2 - door coupe

Body

Structure	Monocoque construction
Bumper system front - rear	Plastic bumper with energy absorbing form
Anti-corrosion treatment	P.V.C. Coating : Under the vehicle Chipping primer : Hood, Roof, Fender, Front piller and side sill 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 (Pantogragh 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 1996 Issued Jun., 1995 Revised(•)

Model Code / Description: 2 - door coupe

Restraint System

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

Glass	SAE Ref. No.	
Windshield glass exposed surface area $cm^2(in.^2)$	S1	11133 (1726)
Side glass exposed surface area $cm^2(in.^2)$ - total 2-sides	S2	8660 (1342)
Backlight glass exposed surface area $cm^2(in.^2)$	S3	9227 (1430)
Total glass exposed surface area $cm^2(in.^2)$	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, coated / batched, location)		No

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Replaceable bulb, Halogen
Shape	Trapezoid (Aerodynamic design)
Lo-beam type (2A1, 2B1, 2C1, etc.)	HB4
Quantity	2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	HB3
Quantity	2

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE
Model Year 1996 Issued Jun., 1995 Revised(•)

Engine Code / Description	F22A1	H23A1	H22A1

Climate Control System

Air conditioning (std., opt., man., auto.)		Std. (H23A1, H22A1) manual 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 - 134 a
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 1996 Issued Jun., 1995 Revised(•)

Model Code / Description		2 - door coupe
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 PRELUDE
Model Year 1996 Issued Jun., 1995 Revised(•)

Model Code / Description	S	Si, Si (4WS), SE	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		Std., AM, FM, Stereo, Tape	Std., AM, FM, Stereo, Tape, Theft deterrent	
	Optional	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	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 1996 Issued Jun., 1995 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, SE
Width			
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.
Manufacturers 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 1996 Issued Jun., 1995 Revised(•)

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Model Code / Description	SAE Ref. No.	2 - door coupe
Front Compartment		
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 1996 issued Jun., 1995 Revised(•)

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Model code / Description	SAE Ref. No.	2 - door coupe
Station Wagon / MPV* - Third Seat		N.A.
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^3 ($ft.^3$)	V2	
Hidden cargo volume index m^3 ($ft.^3$)	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 heigh	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^3 ($ft.^3$)	V3	
Hidden cargo volume index m^3 ($ft.^3$)	V4	
Cargo volume index-rear of 2-seat	V11	

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

* MPV - Multipurpose Vehicle

MVMA Specifications

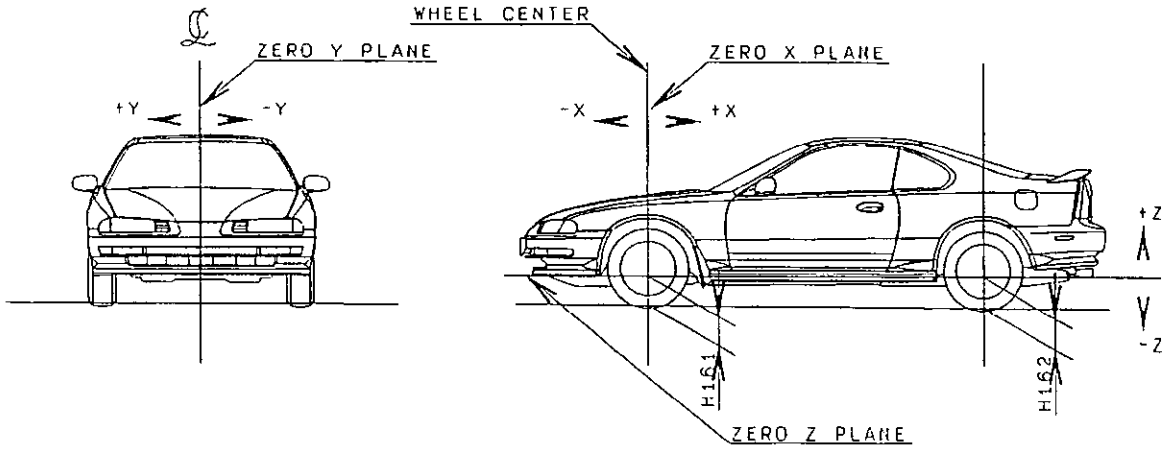
METRIC (U.S. Customary)

Vehicle Line PRELUDE
Model Year 1996 Issued Jun., 1995 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.

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line PRELUDE

Model Year 1996 Issued Sep., 1995 Revised(•)

Code	Model	Vehicle Mass (weight) CURB MASS, kg. (lb.)* Front	Rear	Total	SHIPPING MASS kg(lb)***	ETWC** Code	% PASS MASS DISTRIBUTI Pass in Front Front	Rear	Pass in Rear Front	Rear
BA814	PRELUDE S 5M ←	776	478	1254	1212	R	44	56	17	83
		(1711)	(1054)	(2765)	(2672)					
BA824	PRELUDE S 4A	800	478	1278	1236	R	44	56	17	83
		(1764)	(1054)	(2818)	(2725)					
BB215	PRELUDE Si 5M	815	480	1295	1253	R	44	56	17	83
		(1796)	(1058)	(2854)	(2762)					
BB225	PRELUDE Si 4A	840	480	1320	1278	S	44	56	17	83
		(1853)	(1058)	(2911)	(2818)					
BB216	PRELUDE Si (4WS) 5M	825	505	1330	1288	S	44	56	17	83
		(1819)	(1113)	(2932)	(2839)					
BB226	PRELUDE Si (4WS) 4A	850	505	1355	1313	S	44	56	17	83
		(1874)	(1113)	(2987)	(2894)					
→ BB117	PRELUDE VTEC 5M	840	490	1330	1288	S	44	56	17	83
		(1852)	(1080)	(2932)	(2839)					
BB217	PRELUDE SE 5M	820	480	1300	1258	R	44	56	17	
		(1808)	(1058)	(2866)	(2773)					
BB227	PRELUDE SE 4A	845	480	1325	1283	S	44	56	17	83
		(1863)	(1058)	(2921)	(2828)					

* 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.

ETWC LEGEND

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) × 0.74 = 42 (92.6)

Optional Equipment Differential Mass (weight)*

Code	Equipment	MASS, kg. (lb.) Front	Rear	Total	Remarks Restrictions, Requirements

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