

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC(U.S. Customary)

Passenger Car

1987

Manufacturer HONDA MOTOR CO., LTD.	Car Line PRELUDE, PRELUDE Si	
Mailing Address 2-1-1, MINAMI-AOYAMA, MINATO-KU, TOKYO, JAPAN	Issued September, 1986	Revised

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

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

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Motor Vehicle Manufacturers Association
of the United States, Inc.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

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NOTE:

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

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Car Line PRELUDE, PRELUDE Si
Model Year 1987 Issued Sep. 1986 Revised (*)

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*1: 4-speed Automatic Transmission
*2: 5-speed Manual Transmission

Car Models

Model Description & Drive (FWD/RWD)	Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load—Kilograms (Pounds)
PRELUDE (FWD)		HONDA, PRELUDE 2-door Sedan 4A *1 (JHMBA622)	2/3	45 (100)
		HONDA, PRELUDE 2-door Sedan 5M *2 (JHMBA612)		
		HONDA, PRELUDE Si 2-door Sedan 4A *1 (JHMBA324)		
		HONDA, PRELUDE Si 2-door Sedan 5M *2 (JHMBA314)		

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

MVMA-C-87

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*1 A18A1-10, A20A3-10 : For California Model
A18A1-15, A20A3-15 : For 49-states All Altitude Model

Engine Description/Carb.
Engine Code

*1 A18A1-10, 15/CV-DUAL

*1 A20A3-16, 19/FI

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)	In line, Transverse, Inclined to front 15°	
Manufacturer	Honda Motor Co., Ltd.	
No. of cylinders	4	
Bore	80 (3.150 in.)	82.7 (3.256 in.)
Stroke	91 (3.583 in.)	
Bore spacing (C/L to C/L)	90 (3.543 in.)	
Cylinder block material & mass kg (lbs.) (machined)	Cast Iron, 34.3 (75.6)	
Cylinder block deck height	212.0 (8.346 in.)	212.3 (8.358 in.)
Cylinder block length	427.0 (16.811 in.)	
Deck clearance (minimum) (above or below block)	0	
Cylinder head material & mass kg (lbs.)	Aluminium Silicon Alloy, 7.13(15.72)	Same as Left, 6.80(14.99)
Cylinder head volume (cm³)	45.0	47.2
Cylinder liner material	Cast Iron	
Head gasket thickness (compressed)	1.1 ±0.05 (0.043 ±0.002 in.)	1.1 ^{+0.06} ₋₀ (0.043 ^{+0.002} ₋₀ in.)
Minimum combustion chamber total volume (cm³)	55.1	54.3
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.))**	Aluminium Silicon Alloy, 1.82(4.01)	Same as Left, 4.72(10.41)
Exhaust manifold material & mass (kg (lbs.))**	Cast Iron Alloy, 6.80(14.99)	Cast Iron Alloy, 6.50(14.33)
Recommended fuel (leaded, unleaded, diesel)	Unleaded	
Fuel antiknock index (R + M) / 2	$\frac{91 + 81}{2} = 86$, not less than 86	
Total dressed engine mass (wt) dry***	118 (260 lbs) *2	120 (265 lbs) *3

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminium Silicon Alloy 250 (8.82)	Aluminium Silicon Alloy 306 (10.79)
--	---------------------------------------	--

Engine - Camshaft

Location	In Cylinder Head	
Material & mass kg (weight, lbs.)	Cast Iron Alloy, 1.70(3.75)	Cast Iron Alloy, 1.78(3.92)
Drive type	Chain / belt	Cog Belt
	Width / pitch	24 (0.945 in.) / 9.525 (0.375 in.)

* 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:

*2 Includes : Carburetor Assembly, Air Cleaner Assembly and Alternator.

Excludes : Transmission Assembly, Starter Motor, Control Box, Air Conditioner Assembly, Power Steering Pump, Radiator Assembly and Hoses.

*3 Includes : Throttle Body Assembly, Air Cleaner Assembly and Alternator.

Excludes : Transmission Assembly, Starter Motor, Control Box, Radiator

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A18A1-10, 15/CV-DUAL

A20A3-16, 19/FI

Engine - Valve System

Hydraulic lifters (Std., opt., NA)	N. A
Valves	Number intake / exhaust 8 / 4
	Head O.D. intake / exhaust 30 (1.181 in.) / 35 (1.378 in.)

Engine - Connecting Rods

*1

*1

Material & mass (kg., (weight, lbs.))	Drop-forged Carbon Steel, 0.515(1.14)	Same as Left, 0.531(1.17)
---------------------------------------	---------------------------------------	---------------------------

*1 Contained connecting Rod Cap

Engine - Crankshaft

Material & mass (kg., (weight, lbs.))	Drop-forged Carbon Steel, 13.20(29.11)	Same as Left, 13.59(29.97)
End thrust taken by bearing (no.)	2	
Number of main bearings	5	
Seal (material, one, two piece design, etc.)	Front- Left Silicon Rubber, One piece	Rear- Right Silicon Rubber, One piece

Engine - Lubrication System

Normal oil pressure (kPa (psi) at engine rpm)	294 (42.7) at 1000, when oil temperature 80°C
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full-flow
Capacity of oil case, less filter-refill-L (qt.)	4.0 (4.2)

Engine - Diesel Information

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
Charge cooler	N. A

*Finished State

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A20A3-16, 19/FI

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))		Press.: 88.3 $\pm$ 14.7 (12.8 $\pm$ 2.1), Vac.: Below 4.9 (0.7)	
Circulation thermostat	Type (choke, bypass)	Bypass	
	Starts to open at °C (°F)	82 $\pm$ 2 (180 $\pm$ 3.6)	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	47.6 @1000	25.3 @5000
	Number of pumps	1	
	Drive (V-belt, other)	V-belt	Polly-V-belt
	Bearing type	Ball and Roller Bearing, Integral Shaft Permanently Sealed	
	Impeller material	Steel	
	Housing material	Cast Iron	
By-pass recirculation (type (inter., ext.))		External	
Cooling system capacity	With heater—L (qt.)	6.8 (7.2) *1, 7.5 (7.9) *2	6.8 (7.2) *1, 6.7 (7.1) *2
	With air cond.—L (qt.)	N. A.	excludes Reserve Tank Capacity
	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, Tube & Fin	
	Material, mass (kg (wgt. lbs.))	Brass, 6.6 (14.55) *1, 6.9 (15.21) *2	
	Width	668 (26.30)	
	Height	325 (12.80)	
	Thickness	32 (1.26)	
Fins per inch		8.5	
Radiator end tank material		Brass	
Fan	Std., elec., opt.	Elec.	
	Number of blades & type (flex, solid, material)	4, Flex, Polypropylene	
	Diameter & projected width	300 (11.81), 88 (3.46)	
	Ratio (fan to crankshaft rev.)	N.A.	
	Fan cutout type	N.A.	
	Drive type (direct, remote)	N.A.	
	RPM at idle (elec.)	2140 $\pm$ 180	
	Motor rating (wattage) (elec.)	79.2 $\pm$ 9.6	
	Motor switch (type & location) (elec.)	Thermo Switch	
	Switch point (temp., pressure) (elec.)	Turn on at 90°C (194°F), Turn off at 83°C (181°F)	
	Fan shroud (material)	Steel	

*1 For 5-speed Manual Transmission

*2 For 4-speed Automatic Transmission

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A20A3-16, 19/FI

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

Induction type: carburetor, fuel injection system, etc.			Carburetor (Horizontal-draft)	Fuel Injection System (PGM-FI)
Manufacturer			KEIHIN SEIKI	HONDA
Carburetor	Choke (type)		Automatic	N.A.
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	800 $\pm$ 50 in Neutral *1	750 $\pm$ 50 in Neutral *1
		Propane	865 $\pm$ 20 in Neutral *1	N.A.
		Automatic	800 $\pm$ 50 in Gear *1	750 $\pm$ 50 in Gear *1
		Propane	930 $\pm$ 25 in Gear *1	N.A.
Idle A/F max.			16.0	14.7
Fuel injection	Point of injection (no.)		N.A.	Intake Manifold, 4
	Constant, pulse, flow		N.A.	Pulse
	Control (electronic, mech.)		N.A.	Electronic
	System pressure (kPa (psi))		N.A.	250.06 (36.27)
Intake manifold heat control (exhaust or water thermostatic or fixed)			Water Thermostatic	
Air cleaner type	Standard		Paper Element	
	Optional		None	
Fuel pump	Type (elec. or mech.)		Electric	
	Location (eng., tank)		Left Side of Fuel Tank	Under L.H. Rear Floor
	Pressure range (kPa (psi))		14.7-19.6 (2.133-2.844)	17.6-22.5 (2.560-3.271)

Fuel Tank

Capacity (refill L (gallons))		60 (15.9)
Location (describe)		Under the Rear Floor
Attachment		Mounted with Fuel Tank Band
Material & Mass (kg (weight lbs))		Carbon Steel Plate
Filler pipe	Location & material	Left Rear Quarter Panel, Carbon Steel Tube
	Connection to tank	Filler Neck Connecting Tube
Fuel line (material)		Carbon Steel Double Tube
Fuel hose (material)		Rubber
Return line (material)		Carbon Steel Double Tube
Vapor line (material)		Carbon Steel Double Tube
Extended range tank	Opt., n.a.	N.A.
	Capacity (L (gallons))	
	Location & material	
	Attachment	
Auxiliary tank	Opt., n.a.	N.A.
	Capacity (L (gallons))	
	Location & material	
	Attachment	
	Selector switch or valve	
Separate fill		

*1 At warm engine, Head-lights/Cooling-fan/Heater-fan "OFF"

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Vehicle Emission Control

Type (air injection, engine modifications, other)		Air Injection Valve, Exhaust Gas Recirculation, Catalytic Converter	Exhaust Gas Recirculation, Catalytic Converter
Air Injection	Pump or pulse	N. A	N. A
	Driven by	N. A	N. A
	Air distribution (head, manifold, etc.)	Air Cleaner Case	N. A
	Point of entry	Exhaust Manifold	N. A
Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Controlled Flow	
	Exhaust source	Exhaust Manifold	
	Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold	
Catalytic Converter	Type	Feedback, 3-way Catalyst	
	Number of	1	1
	Location(s)	Forward Under Floor	
	Volume (L (in ³))	1.651 (10.07)	0.713 (4.35)x2
	Substrate type	Monolith	
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)	Positive Crankcase Ventilation System (PCV Valve Control)	
	Energy source (manifold vacuum, carburetor, other)	Intake Manifold Vacuum	
	Discharges (to intake manifold, other)	to Intake Manifold	
	Air inlet (breather cap, other)	Air Cleaner Case	
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank Canister	N. A
	Vapor storage provision	Canister	
Electronic system	Closed loop (yes/no)	None	
	Open loop (yes/no)	None	

Engine - Exhaust System

Type (single, single with cross-over, dual, other)	Single	
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass (kg (weight lbs))	1, Reverse Flow (with Separate Resonator)	
Resonator no. & type	1, Separate	
Exhaust pipe	Branch o.d., wall thickness	N.A.
	Main o.d., wall thickness	50.8 (2.0), 1.6 (0.06)
	Material & Mass (kg (weight lbs))	Stainless Steel Pipe, Exhaust Pipe A : 4.9 (10.80)
Inter-mediate pipe	o.d. & wall thickness	42.7 (1.68), 1.6 (0.06)
	Material & Mass (kg (weight lbs))	Stainless Steel Pipe, Exhaust Pipe B : 4.8 (10.58)
Tail pipe	o.d. & wall thickness	38.1 (1.50), 1.2 (0.05)
	Material & Mass (kg (weight lbs))	Stainless Steel Pipe

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Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	N. A
Manual 4-speed (std., opt., n.a.) (mfr.)	N. A
Manual 5-speed (std., opt., n.a.) (mfr.)	Std
Manual overdrive (std., opt., n.a.) (mfr.)	N. A
Automatic (std., opt., n.a.) (mfr.)	Std
Automatic overdrive (std., opt., n.a.) (mfr.)	N. A

Manual Transmission/Transaxle

Number of forward speeds		5	
Transmission ratios	In first	3.181	
	In second	1.944	1.842
	In third	1.250	
	In fourth	0.933	0.937
	In fifth	0.757	0.771
	In overdrive	N. A	
	In reverse	3.000	
Synchronous meshing (specify gears)		All Forward Gears	
Shift lever location		Floor Mounted	
Lubricant	Capacity [L (qt.)]		2.5 (5.3) 2.6 (5.4)
	Type recommended		SE or SF
	SAE viscosity number	Summer	10W-30, 10W-40, 20W-40, 30
		Winter	10W-30, 10W-40, 20W-40
		Extreme cold	10W-30, 10W-40

Clutch (Manual Transmission)

Make, type, engagement (describe) - (hydraulic, cable, rod)	FUJI CHEMICAL INDUSTRY CO., LTD. Dry Single Plate Diaphragm Spring Type		
Assist (yes, no, percent)	None		
Type pressure plate springs	Diaphragm		
Total spring load (N (lb.))	2746-3138 (617.4-705.6)	2942-3334 (661.4-749.6)	
No. of clutch driven discs	1		
Clutch facing	Material	Woven Asbestos	
	Manufacturer	FUJI CHEMICAL INDUSTRY CO., LTD.	
	Part number	22200-PC6-020	22200-PH4-010
	Rivets plate	16 / 2	
	Rivet size	4 (0.16 in.)	
	Outside & inside dia.	200(7.87 in.), 140(5.51 in.)	212(8.35 in.), 150(5.91 in.)
	Total eff. area (cm ² (in. ²))	160 (24.83)x2	176 (27.31)x2
	Thickness	3.5 (0.14 in.)x2	
	Engagement cushion method	Wave Spring	
Release bearing	Type & method of lubrication	Ball Bearing Permanently Lubrication	
Torsional damping	Method: springs, friction material	Damper Rubber	

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*1 Lock-up Clutch "ON"

Automatic Transmission/Transaxle

Trade name		HONDA. Automatic Transmission	
Type and special features (describe)		4-speed Forward 1-speed Reverse Automatic Transmission with Lock-up Clutch.	
Selector	Location	Floor Mounted	
	Ltr. No. designation	6, P - R - N - D4 - D3 - 2	
Gear ratios	1st	2.380	2.529
	2nd	1.560	1.481 *1
	3rd	1.032	1.060 *1
	4th	0.777 *1	0.743 *1
	Reverse	1.954	1.904 3-3:149(93)
Max. upshift speed - drive range (km/h (mph))		1-2:63(39), 2-3:101(63), 3-4:153(95) 1-2:54(34), 2-3:101(63)	
Max. kickdown speed - drive range (km/h (mph))		4-3:138(86), 3-2:90(56), 2-1:42(26) 4-3:125(78), 3-2:93(58)	
Min. overdrive speed (km/h (mph))		None 2-1:40(25)	
Torque converter	Number of elements	3	
	Max. ratio at stall	2.40 @2400	2.67 @2600
	Type of cooling (air, liquid)	Air	
	Nominal diameter	232 (9.13 in.)	
Lubricant	Capacity (refill L (pt.))	5.6 (11.9)	6.0 (12.8)
	Type Recommended	DEXRON	
Oil cooler (std., opt., NA, internal, external, air, liquid)		Std., External, Air	

Axle or Front Wheel Drive Unit

Type (front, rear)		Front	
Description		Separable	
Limited slip differential (type)		N. A	
Drive pinion offset		N. A	
Drive pinion (type)		Straight Bevel Gear	
No. of differential pinions		2	
Pinion / differential adjustment (shim, other)		Shim	
Pinion / differential bearing adjustment (shim, other)		Shim	
Driving wheel bearing (type)		Ball Bearing	
Lubricant	Capacity (L (pt.))	)	
	Type recommended	)	
	SAE viscosity number	Summer	) Lubricated by Transmission Oil
		Winter Extreme cold	

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

Axle ratio (or overall top gear ratio)		Manual:4.071, Automatic:3.875		Manual/Automatic: 4.066
No. of teeth	Pinion	14	16	15
	Ring gear or gear	57	62	61
Ring gear o.d.		184.9(7.27in.)	177.7(7.00in.)	182.91(7.20in.)
Transaxle	Transfer gear ratio	N. A	N. A	N. A
	Final drive ratio	N. A	N. A	N. A

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Axle Shafts - Front Wheel Drive

Number used		2		
Type (straight, solid bar, tubular, etc.)		Left	Straight, Tubular	
		Right	Straight, Solid Bar	
Outer diam. x length * x wall thickness	Manual transmission	Left	40x701x4.2(1.57x27.6x0.17)	45x707x3.5(1.77x27.8x0.14)
		Right	25x406 (0.98x16.0)	27x401 (1.06x15.8)
	Automatic transmission	Left	40x701x4.2(1.57x27.6x0.17)	45x707x3.5(1.77x27.8x0.14)
		Right	25x406 (0.98x16.0)	27x401 (1.06x15.8)
	Optional transmission	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 mtg. no.	Inner	HONDA	
		Outer	HONDA	
	Number used		Inner : 2, Outer : 2	
	Type, size, plunge	Inner	Constant Velocity Joint	
		Outer	Constant Velocity Joint	
	Attach (u-bolt, clamp, etc.)		N.A.	
Bearing	Type (plain, anti-friction)	Ball Bearing		
	Lubric. (filling, prepack)	Prepack		
Drive taken through (torque tube, arms or springs)		_____		
Torque taken through (torque tube, arms or springs)		_____		

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

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Revised (#) _____

Body Type And/Or
Engine Displacement

2-Door Sedan
1.830 Liters (112 in³)

Suspension - General

Car leveling	Std./opt./n.a.	N.A.
	Type (air, hyd., etc.)	N.A.
	Manual/auto. controlled	N.A.
Provision for brake dip control		Suspension Geometry
Provision for accel. squat control		Suspension Geometry
Provisions for car jacking		N.A.
Shock absorber (front & rear)	Type	Telescopic, Hydraulic
	Make	Front : TOKICO Rear : TOKICO or SHOWA
	Piston diameter	Front : 25 (0.98) Rear : 30 (1.18)
	Rod diameter	Front : 12.5 (0.49) Rear : 20 (0.79)

Suspension - Front

Type and description		Independent, Double Wishbone with Coil Spring	
Travel	Full jounce	62.7 (2.47)	
	Full rebound	39.3 (1.55)	
Spring	Type (coil, leaf, other) & material	Coil, Spring Steel	
	Insulators (type & material)	Mounting, Rubber	
	Size (coil design height & i.d., bar length x dia.)	4A 303.3 & 58.6 (11.9 & 2.31) 2580x11.7 (101.6x0.46)	5M 299.5 & 58.6 (11.79 & 2.31) 2580x11.5 (101.6x0.45)
	Spring rate [N/mm (lb./in.)]	52.9 (302.4)	
	Rate at wheel [N/mm (lb./in.)]	25.9 (147.8)	
Stabilizer	Type (link, linkless, frameless)	Linkless	
	Material & bar diameter	Spring Steel, 19 (0.75)	

Suspension - Rear

Type and description		Independent, MacPherson Strut with Coil Spring	
Travel	Full jounce	114.6 (4.51)	
	Full rebound	56.0 (2.20)	
Spring	Type (coil, leaf, other) & material	Coil, Spring Steel	
	Size (length x width, coil design height & i.d., bar length & dia.)	290 & 84.2 Upper, 118.2 Bottom (11.42 & 3.31, 4.65) 2190 x 11.8 (86.22 x 0.46)	
	Spring rate [N/mm (lb./in.)]	23.1 (132.2)	
	Rate at wheel [N/mm (lb./in.)]	20.5 (117.0)	
	Insulators (type & material)	Rubber	
	If leaf	No. of leaves	N.A.
		Shackle (comp. or tens.)	N.A.
Stabilizer	Type (link, linkless, frameless)	Linkless	
	Material & bar diameter	Spring Steel, 13 (0.51)	
Track bar (type)		N.A.	

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line PRELUDE Si
Model Year 1987 Issued Sep. 1986 Revised (e) _____

Body Type And/Or
Engine Displacement

2-Door Sedan
1.955 Liters (119 in³)

Suspension - General

Car leveling	Std./opt./n.a.	N.A.
	Type (air, hyd., etc.)	N.A.
	Manual/auto. controlled	N.A.
Provision for brake dip control		Suspension Geometry
Provision for accel. squat control		Suspension Geometry
Provisions for car jacking		N.A.
Shock absorber (front & rear)	Type	Telescopic, Hydraulic
	Make	Front : TOKICO Rear : TOKICO or SHOWA
	Piston diameter	Front : 25 (0.98) Rear : 30 (1.18)
	Rod diameter	Front : 12.5 (0.49) Rear : 20 (0.79)

Suspension - Front

Type and description		Independent, Double Wishbone with Coil Spring
Travel	Full jounce	62.7 (2.47)
	Full rebound	39.3 (1.55)
Spring	Type (coil, leaf, other) & material	Coil, Spring Steel
	Insulators (type & material)	Mounting, Rubber
	Size (coil design height & i.d., bar length x dia.)	303.5 & 58.6 (11.95 & 2.31) 2580 x 11.7 (101.6 x 0.46)
	Spring rate (N/mm (lb./in.))	52.9 (302.4)
	Rate at wheel (N/mm (lb./in.))	25.9 (147.8)
Stabilizer	Type (link, linkless, frameless)	Linkless
	Material & bar diameter	Spring Steel, 19 (0.75)

Suspension - Rear

Type and description		Independent, MacPherson Strut with Coil Spring
Travel	Full jounce	114.6 (4.51)
	Full rebound	56.0 (2.20)
Spring	Type (coil, leaf, other) & material	Coil, Spring Steel
	Size (length x width, coil design height & i.d., bar length & dia.)	290 & 84.2 Upper, 118.2 Bottom (11.42 & 3.31, 4.65) 2190 x 11.8 (86.22 x 0.46)
	Spring rate (N/mm (lb./in.))	23.1 (132.2)
	Rate at wheel (N/mm (lb./in.))	20.5 (117.0)
	Insulators (type & material)	Rubber
	If leaf	No. of leaves N.A. Shackle (comp. or tens.) N.A.
Stabilizer	Type (link, linkless, frameless)	Linkless
	Material & bar diameter	Spring Steel, 13 (0.51)
Track bar (type)		N.A.

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

Car Line PRELUDE
 Model Year 1987 Issued Sep. 1986 Revised (*)

Body Type And/Or
 Engine Displacement

2 - Door Sedan
 1.830 Liters (112 in³)

Brakes - Service

Description			Power-Assisted, Hydraulic, 4-Wheel Brake		
Brake type (std., opt., n.a.)		Front (disc or drum)	Ventilated Disc		
		Rear (disc or drum)	Disc		
Self-adjusting (std., opt., n.a.)			Std.		
Special 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		
Vacuum reservoir (volume in ³)			N.A.		
Vacuum pump-type (elec., gear driven, belt driven, if other so state)			N.A.		
Anti-skid device type (std., opt., n.a.) (F/R)			N.A.		
Effective area (cm ² (in. ²))*			227 (35.2)		
Gross lining area (cm ² (in. ²))** (F/R)			F : 148 (22.9)	R : 87 (13.5)	
Swept area (cm ² (in. ²))*** (F/R)			F : 978 (151.6),	R : 802 (124.3)	
Rotor	Outer working diameter	F/R	F : 229 (9.02),	R : 237 (9.33)	
	Inner working diameter	F/R	F : 146 (5.75),	R : 175 (6.90)	
	Thickness	F/R	F : 19 (0.75),	R : 10 (0.39)	
	Material & type (vented/solid)	F/R	F : Cast Iron, Vented,	R : Cast Iron, Solid	
Drum	Diameter (nominal)	F/R	N.A.		
	Type and material	F/R	N.A.		
Wheel cylinder bore			F : 51.1 (2.01),	R : 50.23 (1.19)	
Master cylinder	Bore/stroke	F/R	22.22/30 (0.875/1.18)		
Pedal arc ratio			4.3		
Line pressure at 445 N (100 lb.) pedal load (kPa (psi))			Front : 10976(1593),	Rear : 9192(1334)	
Lining clearance per shoe			F : Self - Adjusting,	R : Self - Adjusting	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Rivet size		N.A.	
		Manufacturer		AKEBONO BRAKE CO., LTD.	
		Lining code		V3510EE	
		Material		Resin Mold	
		****	Primary or out-board	99 x 43.5 x 6.5 (3.90 x 1.71 x 0.26)	
		Size	Secondary or in-board	99 x 43.5 x 6.5 (3.90 x 1.71 x 0.26)	
		Shoe thickness (no lining)		8.5 (0.33)	
	Rear wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Manufacturer		JAPAN BRAKE INDUSTRIAL CO., LTD.	
		Lining code		JBD70FE	
		Material		Resin Mold	
		****	Primary or out-board	77 x 34.4 x 8.0 (3.03 x 1.35 x 0.31)	
		Size	Secondary or in-board	77 x 34.4 x 8.0 (3.03 x 1.35 x 0.31)	
		Shoe thickness (no lining)		5.0 (0.20)	

* Excludes rivet holes, grooves, chamfers, etc.

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

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

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

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

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

Car Line PRELUDE Si
 Model Year 1987 Issued Sep. 1986 Revised (*)

Body Type And/Or
 Engine Displacement

2 - Door Sedan
 1.955 Liters (119 in³)

Brakes — Service

Description		Power-Assisted, Hydraulic, 4-Wheel Brake	
Brake type (std., opt., n.a.)	Front (disc or drum)	Ventilated Disc	
	Rear (disc or drum)	Disc	
Self-adjusting (std., opt., n.a.)		Std.	
Special 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	
Vacuum reservoir (volume in. ³)		N.A.	
Vacuum pump-type (elec., gear driven, belt driven, if other so state)		N.A.	
Anti-skid device type (std., opt., n.a.) (F/R)		N.A.	
Effective area (cm ² (in. ²))*		252 (39.1)	
Gross lining area (cm ² (in. ²))** (F/R)		F : 175 (26.8) R : 84 (13.0)	
Swept area (cm ² (in. ²))*** (F/R)		F : 1140 (176.7) R : 802 (124.3)	
Rotor	Outer working diameter	F/R	F : 239 (9.4), R : 237 (9.33)
	Inner working diameter	F/R	F : 180 (7.09), R : 175 (6.90)
	Thickness	F/R	F : 19 (0.75), R : 10 (0.39)
	Material & type (vented/solid)	F/R	F : Cast Iron, Vented. R : Cast Iron, Solid
Drum	Diameter (nominal)	F/R	N.A.
	Type and material	F/R	N.A.
Wheel cylinder bore		F : 53.97(2.12) R : 30.23 (1.19)	
Master cylinder	Bore/stroke	F/R	22.22/30 (0.875/1.18)
Pedal arc ratio		4.3	
Line pressure at 445 N (100 lb) pedal load (kPa (psi))		F : 10888 (1580) R : 5321 (772)	
Lining clearance per shoe		F/R	F : Self - Adjusting. R : Self - Adjusting
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)	Bonded
		Rivet size	N.A.
		Manufacturer	AKEBONO BRAKE CO., LTD.
		Lining code	AKV3021FE
		Material	Resin Mold
		**** Primary or out-board	113.4 x 47 x 10.0 (4.46 x 1.85 x 0.39)
		Size Secondary or in-board	113.4 x 47 x 10.0 (4.46 x 1.85 x 0.39)
		Shoe thickness (no lining)	5.0 (0.20)
	Rear wheel	Bonded or riveted (rivets/seg.)	Bonded
		Manufacturer	JAPAN BRAKE INDUSTRIAL CO., LTD.
		Lining code	JBD70FE
		Material	Resin Mold
		**** Primary or out-board	71 x 33 x 8.0 (2.8 x 1.3 x 0.31)
		Size Secondary or in-board	71 x 33 x 8.0 (2.8 x 1.3 x 0.31)
	Shoe thickness (no lining)	5.0 (0.20)	

* Excludes rivet holes, grooves, chamfers, etc.

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

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

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

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

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

Car Line PRELUDE , PRELUDE Si
 Model Year 1987 Issued Sep. 1986 Revised (*)

Body Type And/Or
 Engine Displacement

2-Door Sedan 1.830 Liters (112 in ³)	2-Door Sedan 1.955 Liters (119 in ³)
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Tires And Wheels (Standard)

Tires	Size (load range, div)	185/70SR13		185/70R13 86H	(*)
	Type (bias, radial, etc.)	Radial			
	Inflation pressure (cold) for recommended max vehicle load	Front (kPa (psi))	200 (29)	190 (28)	(*)
		Rear (kPa (psi))	180 (26)		
	Rev/mile—at 70 km/h (45 mph)	892			
Wheels	Type & material	Disk, Steel		Disk, Aluminum Alloy	(*)
	Rim (size & flange type)	5 - J x 13			
	Wheel offset	45 (1.77)			
	Attachment	Type (bolt or stud)	Stud		
		Circle diameter	100 (3.94)		
Spare		Number & size	4, M12 x 1.5P (0.472 x 0.059)		
	Tire and wheel (same, if other describe)	T105/80D13, 4-Tx13			
	Storage position & location (describe)	On Luggage Compartment Floor			

Tires And Wheels (Optional)

Size (load range, div)	N.A.	
Type (bias, radial, etc.)	N.A.	
Wheel (type & material)	Disk, Aluminum Alloy	
Rim (size, flange type and offset)	5 - J x 13, 45 (1.77)	
Size (load range, div)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Size (load range, div)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Size (load range, div)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Spare tire and wheel		
(if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		

Brakes — Parking

Type of control		Hand Operated Lever
Location of control		On Floor between Front Seats
Operates on		Rear Floor
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 Form Passenger Car

METRIC (U.S. Customary)

Car Line 1100000, 1100000 S1

Model Year 1987 Issued Sep. 1986 Revised (•) _____

Body Type And/Or
Engine Displacement

2-Door Sedan

1.830 Liters (112 in³), 1.955 Liters (119 in³)

Steering

Manual (std., opt., n.a.)		N.A.	
Power (std., opt., n.a.)		Std.	
Adjustable steering wheel/column (lift, telescope, other)	Type	Tilt	
	Manufacturer	YAMADA SS	
	(Std., opt., n.a.)	Std.	
Wheel diameter** (W9) SAE J1100	Manual	N.A.	
	Power	370 (14.6)	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	11.1 (36.4)
		Curb to curb (l. & r.)	10.4 (34.1)
	Inside rear	Wall to wall (l. & r.)	5.8 (19.0)
		Curb to curb (l. & r.)	5.8 (19.0)
Scrub Radius*		13.6 (0.54)	
Manual	Gear	Type	
		Manufacturer	
		Ratios	
	Overall		
No. wheel turns (stop to stop)			
Power	Type (coaxial, linkage, etc.)		Speed Sensitive Variable Assistance
	Manufacturer		HONDA MOTOR
	Gear	Type	Rack & Pinion
		Ratios	
		Overall	14.9 : 1
	Pump (drive)		V - Belt
No. wheel turns (stop to stop)		2.84	
Linkage	Type		Rack & Pinion
	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 : 6°50'
	Bearings (type)	Upper	Ball Joint
		Lower	Ball Joint
		Thrust	N.A.
Steering spindle & joint type		Solid Bar, Ball Joint	
Wheel spindle/hub	Diameter	Inner bearing	36 (1.42)
		Outer bearing	36 (1.42)
	Thread (size)		M22 x 1.5P JISB0207
	Bearing (type)		Double Angular Contact Ball Bearing

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

**See Page 21.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line PRELUDE, PRELUDE 31
Model Year 1987 Issued Sep. 1986 Revised (•) _____

Body Type And/Or
Engine Displacement

2-Door Sedan
1.830 Liters (112 in³), 1.955 Liters (119 in³)

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	0°
		Camber (deg.)	0°
		Toe-in (outside track-mm (in.))	0
	Service reset*	Caster	N.A.
		Camber	N.A.
		Toe-in	N.A.
	Periodic M.V. inspection	Caster	0° ± 30'
		Camber	0° ± 1°
		Toe-in	0 ± 3 (0 ± 0.12)
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0°
		Toe-in (outside track-mm (in.))	2 (0.079)
	Service reset*	Camber	N.A.
		Toe-in	N.A.
	Periodic M.V. inspection	Camber	0° ± 1°
		Toe-in	2 ± 2 (0.079 ± 0.079)

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

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	Pointer (Pulse Control Type)
	Trip odometer (std., opt., n.a.)	Std.
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	475 (18.7)
	Swept area (cm ² (in. ²))	6083 (942.9)
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.)		Std.
Horn	Type	Electric Vibrator
	Number used	2
Other		Brake Failure Warning Lamp Parking Brake Warning Lamp Seats Belt Warning Buzzer & Warning Lamp Door Opening Warning Buzzer

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

Car Line PRELUDE

Model Year 1987 Issued Sep. 1986 Revised ()

Engine Description/Carb.
 Engine Code

A18A1-10, 15/CV-DUAL

Electrical - Supply System

Battery	Manufacturer	YUASA, FURUKAWA, MATSUSHITA
	Model, std., (opt.)	55D20R-MF
	Voltage	12
	Amps at 0°F cold crank	405
	Minutes-reserve capacity	75
	Amp-hrs. - 20 hr. rate	50
	Location	R.H. front side in engine compartment
Alternator	Manufacturer	NIPPONDENSO
	Rating	12V-60A
	Ratio (alt. crank/rev.)	1.90
	Optional (type & rating)	N.A.
Regulator	Type	Voltage Control

Electrical - Starting System

Start motor	Current drain at 0°F	12V-1.4 kW
Motor drive	Engagement type	Magnetic Shift
	Pinion engages from (front, rear)	Right Side

Electrical - Ignition System

Type	Conventional (std., opt., n.a.)		N.A.	
	Electronic (std., opt., n.a.)		Std.	
	Other (specify)		N.A.	
Coil	Make		HITACHI	
	Model		CIT-84	
	Current	Engine stopped — A	0	
		Engine idling — A	1	
Spark plug	*1	Make	NGK	NIPPON DENSO
		Model	BPR6EY-11	W20EXR-U11
		Thread (mm)	14	
		Tightening torque (N·m (lb. ft.))	19.61 ~ 24.52 (14.47 ~ 18.09)	
		Gap	1.0 ~ 1.1 (0.039 ~ 0.043)	
Distributor	Make		HITACHI	TOYO DENSO
	Model		*D4R83-14 **D4R83-15	*TD-13K **TD-14K

Electrical - Suppression

Locations & type	These connect with Ignition Coil to Distributor and Distributor to Spark Plugs. High-voltage Resistance Ignition Cable.
------------------	--

*1 : One per cylinder

* For 5-speed Manual Transmission Vehicles

** For 4-speed Automatic Transmission Vehicles

MVMA Specifications Form Passenger Car

(AETRIC (U.S. Customary)

Car Line PRELUDE Si
Model Year 1987 Issued Sep. 1986 Revised (•) _____

Engine Description/Carb.
Engine Code

A20A3-16, 19/FI

Electrical - Supply System

Battery	Manufacturer	YUASA, FURUKAWA, MATSUSHITA	
	Model, std., (opt.)	55D20R-MF	
	Voltage	12	
	Amps at 0°F cold crank	405	
	Minutes-reserve capacity	75	
	Amp/hrs. - 20 hr. rate	50	
	Location	R.H. front side in engine compartment	
Alternator	Manufacturer	NIPPONDENSO	
	Rating	12V-65A	
	Ratio (alt. crank/rev.)	2.33	
	Optional (type & rating)	N.A.	
Regulator	Type	IC Regulator, Voltage Control	

Electrical - Starting System

Start. motor	Current drain at 0°F	12V-1.4KW
Motor drive	Engagement type	Magnetic Shift
	Pinion engages from (front, rear)	Right Side

Electrical - Ignition System

Type	Conventional (std., opt., n.a.)		N.A.
	Electronic (std., opt., n.a.)		Std.
	Other (specify)		N.A.
Coil	Make		TOYO DENSO
	Model		TC-03A
	Current	Engine stooped - A	0
		Engine idling - A	1
Spark plug	Make		NGK NIPPON DENSO
	Model		BPR5EY-11, BPR6EY-11* W16EXR-U11, W20EXR-U11*
	Thread (mm)		14
	Tightening torque (N-m (lb., ft.))		19.62 - 24.52 (14.47 - 18.08)
	Gap		1.0 - 1.1 (0.039 - 0.043)
	Number per cylinder		1
Distributor	Make		TOYO DENSO
	Model		TD-01N

Electrical - Suppression

Locations & type	These connect with Ignition Coil to Distributor and Distributor to Spark Plugs, High Voltage Resistance Ignition Cable
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* For hot climates or continuous high speed driving.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line PRELUDE, PRELUDE Si
Model Year 1987 Issued Sep. 1986 Revised (•) _____

Body Type

2-Door Sedan

Body

Structure	Monocoque Construction
Bumper system front - rear	Front : Plastic Bumper with Energy-Absorbing Form Rear : Plastic Bumper with Energy-Absorbing Form
Anti-corrosion treatment	P.V.C.Coating (Underside of the Vehicle) Chipping Primer (Underpart of the Vehicle, Sidesill) Rust-inhibition Wax (Door, Bonnet, Locker/Quarter Panel)

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		Acrylic Baking
Hood	Hinge location (front, rear)	Front
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	Internal
Trunk lid	Type (counterbalance, other)	Counterbalance
	Internal release control (elec., mech., n.a.)	Mechanical
Hatch-back lid	Type (counterbalance, other)	N.A.
	Internal release control (elec., mech., n.a.)	N.A.
Station wagon		N.A.
Vent window control (crank, friction, pivot, power)	Front	N.A.
	Rear	N.A.
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Bucket, Wire & Urethan Form
	Rear	Bench, Urethan Form
	3rd seat	N.A.
Seat back type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	Bucket, Wire & Urethan Form
	Rear	Bench, Urethan Form
	3rd seat	N.A.

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

Car Line PRELUDE, PRELUDE Si
 Model Year 1987 Issued Sep. 1986 Revised (•) _____

Body Type

2-Door Sedan

Restraint System

Active restraint system	Standard/optional	Std.
	Type and description	Type 1 & Type 2 Seat Belts
	Location	Type 1: Rear Seats, Type 2: Front Seats
Passive seat belts	Standard/optional	N.A.
	Power/manual	
	2 or 3 point	
	Knee bar/lap belt	

Frame

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

Glass	SAE Ref. No.	
Windshield glass exposed surface area (cm ² (in. ²))	S1	9220 (1429.1)
Side glass exposed surface area (cm ² (in. ²)) - total 2-sides	S2	9600 (1488.0)
Backlight glass exposed surface area (cm ² (in. ²))	S3	7630 (1182.7)
Total glass exposed surface area (cm ² (in. ²))	S4	26450 (4099.8), 30410 (4713.6) - with sunroof
Windshield glass (type)		Laminated Safety Glass
Side glass (type)		Tempered Safety Glass
Backlight glass (type)		Tempered Safety Glass

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

Car Line PRELUDE, PRELUDE Si
 Model Year 1987 Issued Sep. 1986 Revised (•) _____

Body Type

2-Door Sedan	
1.830 Liters (112 in ³)	1.955 Liters (119 in ³)

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

Air conditioning (manual, auto, temp control)		Opt. (Manual)	Std. (Manual)
Clock (digital, analog)		Digital	
Compass / thermometer		N.A.	
Console (floor, overhead)		Floor	
Defroster, elec. backlight		Std.	
Electronic	Diagnostic monitor (integrated, individual)	N.A.	
	Instrument cluster (list instruments)	N.A.	
	Keyless entry	N.A.	
	Triominder (avg. spd., fuel)	N.A.	
	Voice alert (list items)	N.A.	
	Other	—	
Fuel door lock (remote, key, electric)		Remote	
Lamps	Auto head on / off delay, dimming	N.A.	
	Cornering	N.A.	
	Courtesy (map, reading)	N.A.	
	Door lock, ignition	N.A.	
	Engine compartment	N.A.	
	Fog	Opt.	
	Glove compartment	Std.	
	Trunk	Std.	
	Other	—	
Mirrors	Day night (auto, man.)	Manual	
	L.H. (remote, power, heated)	Remote	Remote, Power
	R. H. (convex, remote, power, heated)	Convex, Remote	Convex, Remote, Power
	Visor vanity (RH / LH, illuminated)	R.H.	
Parking brake-auto release (warning light)		N.A.	
Power equipment	Door locks / deck lid - specify	N.A.	
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	N.A.	
	Side windows	N.A.	Std.
	Vent windows	N.A.	
	Rear window	N.A.	
Radio systems	Antenna (location, whip, w shield, power)	Roof Side, Whip	
	AM, FM, stereo, tape, CB	AM-FM Stereo, Tape	
	Speaker (number, location) Premium sound	4, Side Door & Rear Tray	
Roof open air fixed (flip-up, sliding, "T")		Sliding	
Speed control device		N.A.	Std.
Speed warning device (light, buzzer, etc.)		N.A.	
Tachometer (rpm)		Std.	
Telephone system - mobile		N.A.	
Theft protection-type		Steering Lock	

MVMA Specifications Form

Passenger Car

Car Line PRELUDE, PRELUDE Si
 Model Year 1987 Issued Sep. 1986 Revised (*) _____

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

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

Body Type	SAE Ref. No.	2 - Door Sedan	2 - Door Sedan
Width		1.830 Liters (112 in ³)	1.955 Liters (119 in ³)
Tread (front)	W101	1470 (57.9)	
Tread (rear)	W102	1470 (57.9)	
Vehicle width	W103	1700 (66.9)	
Body width at Sq RP (front)	W117	1670 (65.7)	
Vehicle width (front doors open)	W120	3828 (150.7)	
Vehicle width (rear doors open)	W121	N.A.	
Front fender overall width	W106	—	
Rear fender overall width	W107	—	
Turn-in angle (deg.)	W122	26° 50'	

Length

Wheelbase	L101	2450 (96.5)	
Vehicle length	L103	4295 (169.1)	4375 (172.2)
Overhang (front)	L104	890 (35.0)	935 (36.8)
Overhang (rear)	L105	955 (37.6)	990 (39.0)
Upper structure length	L123	2360 (92.9)	
Rear wheel C-L "X" coordinate	L127	2450 (96.9)	
Cowl point "X" coordinate	L125	240 (9.4)	
Front end length at centerline	L126	—	
Rear end length at centerline	L129	—	

Height*

Passenger distribution (front/rear)	PD1.2.3	2/3	
Trunk/cargo load (kg/lbs)		45 (100)	
Vehicle height	H101	1235 (48.6)	
Cowl point to ground	H114	833 (32.8)	
Deck point to ground	H138	842 (33.1)	
Rocker panel-front to ground	H112	154 (6.1)	
Bottom of door closed-front to grd.	H133	219 (8.6)	
Rocker panel-rear to ground	H111	123 (4.8)	
Bottom of door closed-rear to grd.	H135	N.A.	
Windshield slope angle	H122	58° 10'	
Backlight slope angle	H121	37° 20'	

Ground Clearance*

Front bumper to ground	H102	225 (8.9)	206 (8.1)
Rear bumper to ground	H104	209 (8.2)	207 (8.1)
Bumper to ground (front at curb mass (wt.))	H103	230 (9.1)	211 (8.3)
Bumper to ground (rear at curb mass (wt.))	H105	319 (12.6)	307 (12.1)
Angle of approach (degrees)	H106	18° 30'	14° 60'
Angle of departure (degrees)	H107	10° 40'	13° 60'
Ramp breakover angle (degrees)	H147	11° 30'	11°
Axle differential to ground (front, rear)	H153	N.A.	
Min. running ground clearance	H156	79 (3.1)	78 (3.1)
Location of min. run. grd. clear.		Exhaust Silencer	

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

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line PRELUDE, PRELUDE Si
Model Year 1987 Issued Sep. 1986 Revised (•) _____

Body Type

SAE
Ref.
No.

2 - Door Sedan

Front Compartment

Sg RP front, "X" coordinate	L31	1410 (55.5)
Effective head room	H61	930 (36.6)
Max. eff. leg room (accelerator)	L34	1097 (43.2)
Sg RP to heel point	H30	171 (6.7)
Sg RP to heel point	L53	920 (36.2)
Back angle	L40	25°
Hip angle	L42	—
Knee angle	L44	134°30'
Foot angle	L46	87°
Design H-point front travel	L17	189 (7.4)
Normal driving & riding seat track trvl.	L23	—
Shoulder room	W3	1384 (54.5)
Hip room	W5	1262 (49.7)
Upper body opening to ground	H50	1147 (45.2)
Steering wheel maximum diameter	W9	370 (14.6)
Steering wheel angle	H18	20°20'
Accel. heel pt. to steer. whl. cntr	L11	518 (20.4)
Accel. heel pt. to steer. whl. cntr	H17	548 (21.6)
Steering wheel to C/L of thigh	H13	69 (2.7)
Steering wheel torso clearance	L7	394 (15.5)
Headlining to roof panel (front)	H37	44 (1.7)
Undepressed floor covering thickness	H67	24 (0.9)

Rear Compartment

Sg RP Point couple distance	L50	645 (25.4)
Effective head room	H63	862 (33.9)
Min. effective leg room	L51	664 (26.1)
Sg RP (second to heel)	H31	259 (10.2)
Knee clearance	L48	-137 (5.4)
Compartment room	L3	504 (19.8)
Shoulder room	W4	1318 (51.9)
Hip room	W6	1208 (47.6)
Upper body opening to ground	H51	N.A.
Back angle	L41	27°
Hip angle	L43	—
Knee angle	L45	61°45'
Foot angle	L47	103°25'
Headlining to roof panel (second)	H38	56 (2.2)
Depressed floor covering thickness	H73	16 (0.6)

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	293 (10.3)
Liftover height	H195	738 (29.1)

Interior Volumes (EPA Classification)

Vehicle class (subcompact, compact, etc.)		Subcompact
Interior volume index (cu. ft.)		86.5
Trunk/cargo index (cu. ft.)		9.12

MVMA Specifications Form

Passenger Car

Car Line PRELUDE, PRELUDE Si
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METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type

SAE
Ref.
No.

2 - Door Sedan

Station Wagon - Third Seat

Sg RP couple distance	L85	
Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
Sg RP to heel point	H87	
Knee clearance	L87	
Seat facing direction	SD1	
Back angle	L88	
Hip angle	L89	
Knee angle	L90	
Foot angle	L91	

Station Wagon - Cargo Space

Cargo length (open front)	L200	
Cargo length (open second)	L201	
Cargo length (closed front)	L202	
Cargo length (closed second)	L203	
Cargo length at belt (front)	L204	
Cargo length at belt (second)	L205	
Cargo width (wheelhouse)	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Max. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index (m ³ (ft. ³))	V2	
Hidden cargo volume (m ³ (ft. ³))	V4	
Cargo volume index-rear of 2-seat	V10	

Hatchback - Cargo Space

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 ³ (ft. ³))	V3	
Hidden cargo volume (m ³ (ft. ³))	V4	
Cargo volume index-rear of 2-seat	V11	

Aerodynamics*

Wheel tip to ground, front	---	
Wheel tip to ground, rear	---	
Frontal area (m ² (ft. ²))	1.856 (19.98)	
Drag coefficient (Cd)	0.36	

* EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line PRELUDE , PRELUDE Si

Model Year 1987 Issued Sep. 1986 Revised (*)

Body Type

2 - Door Sedan

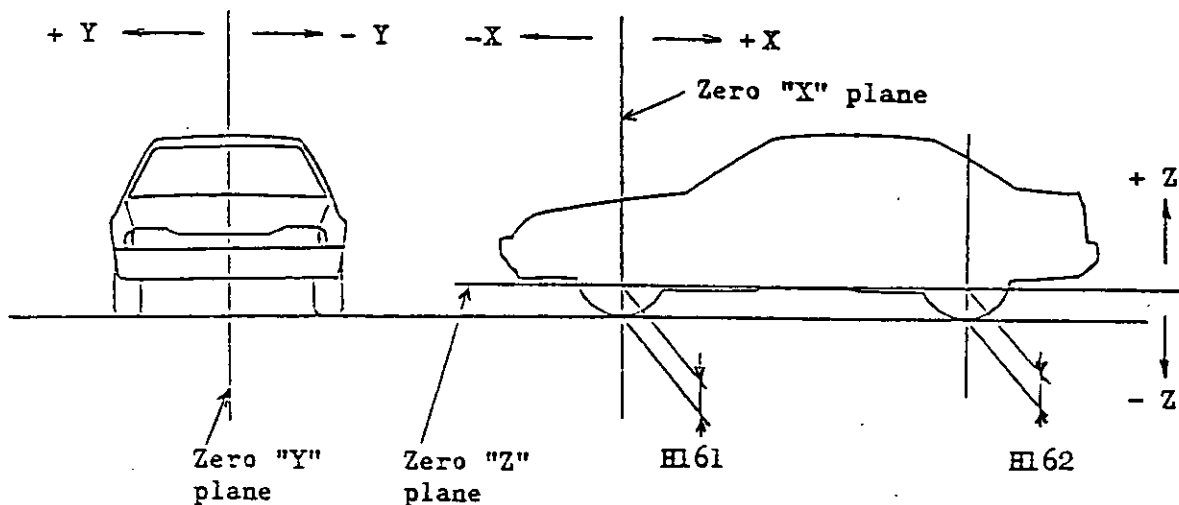
Vehicle Fiducial Marks

Fiducial Mark
Number *

Define Coordinate Location

Front

Rear



Fiducial
Mark
Number

Front	W21	N.A.
	L54	N.A.
	H81	N.A.
	H161	218 (8.58)
	H163	N.A.

Rear	W22	N.A.
	L55	N.A.
	H82	N.A.
	H162	225 (8.86)
	H164	N.A.

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

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

Car Line PRELUDE, PRELUDE Si
 Model Year 1987 Issued Sep. 1986 Revised (•) _____

Body Type

2 - Door Sedan 1830 Liters (112 in ³)	2 - Door Sedan 1955 Liters (119 in ³)
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Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	635 (25.0)	630 (24.8)
		Lowest	N.A.	
	Tail lamp (SAE - H128)	Highest**	655 (25.8)	625 (24.6)
		Lowest	N.A.	
	Sidemarker	Front	590 (23.2)	
		Rear	645 (25.4)	625 (24.6)
Distance from C.L. of car to center of bulb	Headlamp	Inside	N.A.	
		Outside**	553 (21.8)	
	Tail lamp	Inside	522 (20.6)	455 (17.9)
		Outside**	690 (27.2)	623 (24.5)
	Directional	Front	603 (23.7)	592 (23.3)
		Rear	580 (22.8)	
Halogen headlamp (std., opt., n.a.)	Lo beam		Std.	
	Hi beam		Std.	
	Replaceable bulb		N.A.	
	Shape		Squair Headlamp	
Headlamp other than above	Lo beam			
	Hi beam			
	Replaceable			
	Shape			
	Type			

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

Passenger Car

METRIC (U.S. Customary)

Car Line PRELUDE , PRELUDE Si
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[illegible]

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

* Shipping mass (weight) definition –

Note : Curb Weight - Fuel Weight $\left[(60-3) \times 0.753 \right]$ (kg)

* :for 1.955 Liters (119 in³)