MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1990

Manufacturer	Vehicle Line	
HONDA MOTOR CO., LTD.	CIVIC CRX HF CIVIC CRX	
Mailing Address No. 1-1, 2 chome, Minami - Aoyama, Minato - ku, Tokyo, Japan	Issued July 1989	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 from was developed by the vehicle manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc.

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

mvma
Motor Vehicle Manufacturers association
of the United States, Inc.
Forms Provided by Technical Affairs Division

MVMA Specifications

METRIC (U.S. Customary)

Table of Contents

⌀ Indicates Format Change From Previous Year

NOTE:

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

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	Honda R & D Co., Ltd.
Where built (country)	Honda Motor Co., Ltd. in Japan
Authorized U.S. sales marketing representative	American Honda Motor Co., Inc.

Vehicle Models

Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code) *1	No. of Designated Seating Positions (Front / Rear)	Max. Trunk / Cargo Load - Kilograms (Pounds)
CIVIC CRX HF (FWD)	Oct. 1989	HONDA CIVIC CRX HF, 5M, COUPE, (ED836)	2 / 0	45 (100)
CIVIC CRX DX (FWD)		HONDA CIVIC CRX DX, 5M, COUPE, (ED835)		
		HONDA CIVIC CRX DX, 4A, COUPE, (ED845)		
CIVIC CRX Si (FWD)		HONDA CIVIC CRX Si, 5M, COUPE, (ED936)		

* FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive
*1 5M : 5 Speed manual transmission
4A : 4 Speed automatic transmission

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (·)

METRIC (U.S. Customary)

Power Teams

SAE J 1349 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		D15B6	D15B2	D15B2	D16A6
	Displacement Liters (in³)		1.5 (91)	1.5 (91)	1.5 (91)	1.6 (97)
	Induction system (FI, Carb, etc.)		EFI *1	EFI *1	EFI *1	EFI *1
	Compression ratio		9.6	9.2	9.2	9.1
	SAE Net at RPM	Power kW (bhp)	46.2 (62) @4500	68.6 (92) @6000	68.6 (92) @6000	80.5 (108) @6000
		Torque N-m(lb.ft.)	122.6 (90.4) @2000	120.7 (89.0) @4500	120.7 (89.0) @4500	135.6 (100.0) @5000
	Exhaust single, dual		Single	Single	Single	Single
TRANS	Transmission / Transaxle		5M	5M	4A	5M
	Axle Ratio (std. first)		2.95 *2 3.72 *3 3.25 *4	3.89	3.93	4.25

*1 : Electronic Fuel Injection
*2 : For 49 - S Low Alt. Vehicle
*3 : For 49 - S All Alt. Vehicle
*4 : For Calif. Vehicle

Series Availability		Power Teams (A - B - C - D)	
Model	Code	Standard	Optional
CIVIC CRX HF	ED836	A	N.A.
CIVIC CRX	ED835	B	N.A.
	ED845	C	N.A.
CIVIC CRX Si	ED936	D	N.A.

MVMA Specifications

Vehicle Line CIVIC CRX, CIVIC CRX HF
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

~~Engine Description~~ Engine Code	D15B2	D15B6	D16A6

Engine - General

Type & description (inline, V, angle, flat, location, front, mid rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		Inline, Front, Transverse, SOHC, Hemishere		
Manufacturer		HONDA MOTOR CO., LTD.		
No. of cylinders		4		
Bore		75.0 (2.95)		
Stroke		84.5 (3.33)		90.0 (3.54)
Bore spacing (C/L to C/L)		84.0 (3.31)		
Cylinder block material & mass kg (lbs.) (machined)		*1, 15.6 (34.4)		*1, 16.0 (35.3)
Cylinder block deck height		232 (9.13)		237 (9.33)
Cylinder block length		391.5 (15.41)		
Deck clearance (minimum) (above or below block)		25 (0.98), Below block		
Cylinder head material & mass kg (lbs.)		*1, 9.8 (21.6)	*1, 8.8 (19.4)	*1, 9.8 (21.6)
Cylinder head volume (cm³)		38.0	38.2	38.0
Cylinder liner material		Cast iron alloy		
Head gasket thickness (compressed)		1.2 ± 0.05 (0.047 ± 0.002)		
Minimum combustion chamber total volume (cm³)		177.8	169.7	191.6
Cyl. no. system (front to rear)*	L. Bank	Left to right : 1 - 2 - 3 - 4		
	R. Bank	---		
Firing order		1 - 3 - 4 - 2		
Intake manifold material & mass [kg (lbs.)]**		*1, 2.6 (5.7)	*1, 3.6 (7.9)	*1, 3.0 (6.6)
Exhaust manifold material & mass [kg (lbs.)]**		*2, 5.5 (12.1)	*2, 3.1 (6.8)	*2, 5.5 (12.1)
Fuel required unleaded, diesel, etc.		Unleaded		
Fuel antiknock index (R + M) ÷ 2		(91 + 81) / 2 = 86, not less than 86		
Engine mounts	Quantity	4		
	Material and type (elastomeric, hydroelastic, hydraulic, damper, etc.)	Rubber, Elastomeric		
	Added isolation (sub - frame, crossmember, etc.)	Cross beam		
Total dressed engine mass (wt) dry ***		94.2 (207.7)	88.6 (195.3)	99.3 (218.9)

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	*1, 237 (8.36)	*1, 230 (8.11)

Engine - Camshaft

Location		In cylinder head		
Material & mass kg (weight, lbs.)		*2, 2.41 (5.31)	*2, 1.60 (3.53)	*2, 2.41 (5.31)
Drive type	Chain / belt	Cogged belt		
	Width / pitch	24 / 9.525 (0.94 / 0.38)		

* 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, IN / EX manifold, ACG
*1 : Aluminum silicon alloy *2 : Cast iron alloy

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

~~Engine Description~~ Engine Code	D15B2	D15B6	D16A6

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)		N.A.		
Valves	Number intake / exhaust	8 / 8	4 / 4	8 / 8
	Head O.D. intake / exhaust	29 / 25		

Engine - Connecting Rods

Material & mass [kg.,(weight, lbs.)]*	*1 , 0.38 (0.84)	*1 , 0.36 (0.79)	*1 , 0.43 (0.93)
Length (axes ℄ to ℄) mm	134		137

Engine - Crankshaft

Material & mass [kg.,(weight, lbs.)]*		*1 , 9.5 (20.9)	*1 , 9.3 (20.5)	*1 , 13.8 (30.4)
End thrust taken by beaning (no.)		2		
Length & number of main bearings		20 / 5		
Seal (material, one, two piece design, etc.)	Front	Fluoric rubber, one		
	Rear	Fluoric rubber, one		

Engine - Lubrication System

Normal oil pressure [kPa(psi) at engine rpm]	245 (35.6) - 441 (64.0) @ 2000
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full flow
Capacity of c / case, less filter - refill - L (qt.)	4.0 (4.2), Less filter - refill 3.5 (3.5)

*1 : Drop - forged Carbon steel

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.
Intercooler	N.A.

* Finished State

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

~~Engine Description~~ Engine Code		D15B2	D15B6	D16A6

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Std.		
Coolant fill location (rad., bottle)		Rad.		
Radiator cap relief valve pressure [kPa (psi)]		Press. : 88.3 ± 14.7 (12.8 ± 2.1) Vac. : below 4.9 (0.7)		
Circulation thermostat	Type (choke, bypass)	Bypass		
	Starts to open at °C (°F)	78 ± 2 (172.4 ± 3.6)		
Water pump	Type (centrifugal, other)	Centrifugal		
	GPM 1000 pump rpm	28.5 @ 5000		
	Number of pumps	1		
	Drive (V - belt, other)	Cogged belt		
	Bearing type	Ball bearing		
	Impeller material	Steel		
	Housing material	Aluminum silicon alloy		
By-pass recirculation [type (inter., ext.)]		External		
Cooling system capacity	With heater - L(qt.)	MT: 5.0 (5.3) , AT: 5.1 (5.4)	5.2 (5.5)	5.4 (5.7)
	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 / Tube & Fin		
	Material, mass [kg (wgt., lbs.)]	*1 , MT:4.81(10.60) , AT:5.20 (11.46)	*1 , 4.81(10.60)	*1 , 4.15(9.15)
	Width	668 (26.30)	568 (22.36)	668 (26.30)
	Height	325 (12.8)		
	Thickness	16 (0.63)		
	Fins per inch	11	8	11
Radiator end tank material		Brass		
Fan	Std., elec., opt.	Elec.		
	Number of blades & type (flex, solid, material)	4, Flex, Polypropylene		
	Diameter & projected width	280 (11.02), S2 - 110 (2.05 - 4.33)		
	Ratio (fan to crankshaft rev.)	N.A.		
	Fan cutout type	N.A.		
	Drive type (direct, remote)	N.A.		
	RPM at idle (elec.)	1960 - 2320		
	Motor rating (wattage) (elec.)	69.6 - 88.8		
	Motor switch (type & location) (elec.)	Thermo switch		
	Switch point (temp., pressure) (elec.)	90 ± 1.5°C (194° ± 2.7°F)		
	Fan shroud (material)	Polypropylene		

*1 : Brass

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (·)

METRIC (U.S. Customary)

~~Engine Description~~ Engine Code	D15B2	D15B6	D16A6

ENGINE - Fuel System

(See supplemental page for detailes of Fuel Injection, Supercharger, Turbocharger, etc. if used)

Induction type : carburetor, fuel injection system, etc.		Fuel injection system	
Manufacturer		HONDA MOTOR CO., LTD.	
Carburetor no. of barrels		N.A.	
Idle A/F mix.		Approx. 14.7	
Fuel injection	Point of injection (no.)	Throttle body (2)	Intake manifold port (4)
	Constant, pulse, flow	Pulse flow	
	Control (electronic, mech.)	Electronic	
	System pressure [kPa (psi)]	250 ± 5 (36.3 ± 0.7)	
Idle spd. - rpm (spec. neutral or drive and propane if used)	Manual	N.A.	
	Automatic	N.A.	
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water, Fixed	
Air cleaner type		Paper element	
Fuel filter (type/location)		Paper element / Behind engine	
Fuel pump	Type (elec. or mech.)	Electrical	
	Location (eng., tank)	Inner of the fuel tank	
	Pressure range [kPa (psi)]	441 - 588 (64.0 - 85.5)	
	Flow rate at regulated pressure [L (gal) / hr @ kPa (psi)]	85 (22.5) at 250 (36)	

Fuel Tank

Capacity [refill L (gallons)]		45 (11.9)	40 (10.6)	45 (11.9)
Location (describe)		Rear under floor		
Attachment		Bolt		
Material & Mass [kg (weight lbs.)]		Steel, 10.9 (24.0)		
Filler pipe	Location & material	LH side rear quarter panel, Carbon steel		
	Connection to tank	Flexible connecting tube		
Fuel line (material)		Steel pipe		
Fuel hose (material)		Fluoric rubber		
Return line (material)		Steel pipe		
Vapor line (material)		Steel pipe		
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

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

~~Engine Description~~ Engine Code			D15B2	D15B6	D16A6
Vehicle Emission Control					
Exhaust Emission Control	Type (air injection, engine modification, other)		CAT, EGR *1	CAT, EGR	CAT
	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 *1	Controlled flow	N.A.
		Exhaust source Point of exhaust injection (spacer, carburetor, manifold, other)	Cylinder head port, Intake manifold *1	Cylinder head port, Intake manifold	N.A.
	Catalytic Converter	Type	Feedback 3 - way CAT		
		Number of	1		
		Location(s)	Under floor	*2	Under floor
		Volume [L (in³)]	Confidential		
		Substrate type	Confidential		
		Noble metal type	Confidential		
		Noble metal concentration (g / cm³)	Confidential		
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction system (PCV)		
	Energy source (manifold vacuum, carburetor, other)		Manifold vacuum		
	Discharges (to intake manifold, other)		Intake manifold		
	Air inlet (breather cap, other)		Air intake pipe		
Evapora - tive 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		

*1 : ED 845 for California Market

*2 : Beneath the exhaust manifold

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, stainless steel		
Resonator no. & type		N.A.		
Exhaust pipe	Branch o.d., wall thickness	N.A.		
	Main o.d., wall thickness	38.1 (1,51), 1.5 (0.06)	50,8 (2,00), 1.5 (0.06)	
	Material & Mass [kg (weight lbs)]	Stainless steel 2.0 (4.4)	Stainless steel 2.8 (6.2)	
Inter- mediate pipe	o.d. & wall thickness	38.1 (1.51), 1.6 (0.06)	42.7 (1.68), 1.6 (0.06)	
	Material & Mass [kg (weight lbs)]	*3, 6.2(13.7)	*3, 7.3(16.1)	*3, 7.5(16.5)
Tail pipe	o.d. & wall thickness	38.1 (1.50), 1.2 (0.05)		
	Material & Mass [kg (weight lbs)]	*3, 6.6 (14.6)	*3, 7.0 (15.4)	*3, 9.5 (20.9)

*3 : Carbon steel

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

~~Engine Description~~ Engine Code	D15B2	D15B6	D16A6

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

Manual 3 - speed (manufacturer / country)	N.A.	
Manual 4 - speed (manufacturer / country)	N.A.	
Manual 5 - speed (manufacturer / country)	HONDA / JAPAN	
Automatic (manufacturer / country)	HONDA / JAPAN.	N.A
Automatic (manufacturer / country)	N.A.	

Manual Transmission / Transaxle

Number of forward speeds		5		
Gear ratios	1st	3.25	3.25	3.25
	2nd	1.89	1.65	1.89
	3rd	1.26	1.03	1.26
	4th	0.94	0.82	0.94
	5th	0.77	0.69	0.77
	Reverse	3.15	3.15	3.15
Synchronous meshing (specify gears)		All forward gears		
Shift lever location		Floor		
Trans. case mat'l. & mass kg (lbs.)*		Aluminum silicon alloy, 3.2 (7.1)		
Lubricant	Capacity [L (pt.)]	1.9 (4.0)		
	Type recommended	SE or SF		

Clutch (Manual Transmission)

Clutch manufacturer		FUJI CHEMICAL INDUSTRY	
Clutch type (dry, wet; single, multiple disc)		Dry, single	
Linkage (hydraulic, cable, rod, lever, other)		Cable	
Max. pedal effort (nom.spring load, new) N (lbs)	Depressed	---	
	Released	---	
Assist (spring, power / percent, nominal)		N.A.	
Type pressure plate springs		Diaphragm	
Total spring load (nominal, new) N (lbs)		---	
Clutch facing	Facing mfgr. & material coding	FUJI CHEMICAL INDUSTRY	
	Facing material & construction	Woven asbestos	
	Rivets per facing	16	
	Outside x inside dia. (nominal)	190 x 132 (7.48 x 5.20)	200 x 140 (7.87 x 5.51)
	Total eff. area [cm²(in.²)]	146 x 2 (22.63 x 2)	160 x 2 (24.80 x 2)
	Thickness (pressure plate side / fly wheel side)	3.5 (0.14)	
	Rivet depth (pressure plate side / fly wheel side)	1.3 (0.05)	
	Engagement cushion method	Disk plate spring	
Release bearing type & method lub.		Ball bearing, Permanently lubrication	
Torsional damping method, springs, hysteresis		Damper rubber	

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

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

~~Engine Description~~ Engine Code	D15B2

Ø Automatic Transmission / Transaxle

Trade Name		Automatic
Type and special features (describe)		4 - speed automatic transmission with lock - up clutch
Gear selector	Location (column, floor, other)	Floor
	Ltr. / No. designation (e.g. PRND21)	6, P - R - N - D4 - D3 - 2
	Shift interlock (yes, no, describe)	Yes
Gear ratios	1st	2.71
	2nd	1.56
	3rd	1.03
	4th	0.78
	Reverse	1.95
Max. upshift speed - drive range [km/h (mph)]		1 - 2 : 55 (34), 2 - 3 : 100 (62), 3 - 4 : 151 (94)
Max. kickdown speed - drive range [km/h (mph)]		4 - 3 : 126 (78), 3 - 2 : 92 (57), 2 - 1 : 47 (25)
Min. overdrive speed [km/h (mph)]		N.A.
Torque converter	Number of elements	3
	Max. ratio at stall	2.6 to 2.8 at 2600 rpm
	Type of cooling (air, liquid)	Air & liquid
	Nominal diameter	245 (9.65)
	Capacity factor "K"*	---
Lubricant	Capacity [refill L (pt.)]	5.4 (11.5)
	Type recommended	DEXRON II
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Std., External, Air & liquid
Transmission mass [kg (lbs)] & case material **		Aluminum silicon alloy

Ø All Wheel / 4 Wheel Drive

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

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

~~Engine Description~~

Engine Code	D15B6	D15B2		D16A6
Car Model Code	ED836	ED835	ED845	

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

Effective final drive ratio (or overall top gear ratio)			2.95	3.25	3.72	3.89	3.93	4.25
Transfer ratio and method (chain, gear, etc.)			---	---	---	---	---	---
Front drive unit	Ring gear o.d.		176.3	180.0	184.6	187.0	179.8	190.4
	No. of teeth	Pinion	22	20	18	18	15	16
		Ring gear	65	65	70	70	59	68

Ø Front Drive Unit

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

Ø Axle Shafts - Front Wheel Drive

Manufacturer and number used			HONDA MOTOR, 2	
Type (straight, solid bar, tubular, etc.)		Left	Straight, tubularl Straight, Solid bar	
		Right	Straight, Solid bar	
Outer diam. x length* x wall thickness	Manual transaxle	Left	38.1 x 685 x 3.7 (1.50 x 26.97 x 0.15)	25 x 681 (0.98 x 26.81) for ED835, D16A6
		Right	21 x 293 (0.83 x 15.47)	25 x 388 (0.98 x 15.28) for ED835, D16A6
	Automatic transaxle	Left	N.A.	25 x 681 (0.98 x 26.81) for ED845
		Right	N.A.	25 x 388 (0.98 x 15.28) for ED845
	Optional transaxle	Left	N.A.	
		Right	N.A.	
Slip yoke	Type		Inner: Tripod joint slide type Outer : Birfie double off - set joint slide type	
	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	Constant velocity joint	
		Outer	Constant velocity joint	
	Attach (u-bolt, clamp, etc.)		C - clip	
	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.
(Front Wheel Drive)

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

Body Type ~~And / Or~~ ~~Engine Displacement~~ Car Model Code	COUPE		
	ED836	ED835, ED845	ED936

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, Front: Hydraulic Rear: Nitrogen gas - filled
	Make		SHOWA MFG., TOKICO
	Piston diameter		Front : 25 (0.98) , Rear : 25 (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		63.0 (2.48)
	Full rebound		48.9 (1.93)
Spring	Type (coil, leaf, other) & material		Coil, Spring steel
	Insulators (type & material)		Mounting, Rubber
	Size (coil design height & i.d.)		327.5 x 63.6 (12.9 x 2.5), 332.5 x 63.0 (13.1 x 2.5) for ED845
	Spring rate [N / mm (lb. / in.)]		37.3 (212.8)
	Rate at wheel [N / mm (lb. / in.)]		17.2 (98.0)
Stabilizer	Type (link, linkless, frameless)		Linkless
	Material & bar diameter	Spring steel 17.3 (0.6)	Spring steel 18.0 (0.7)

Suspension - Rear

Type and description			Independent, Double wishbone with coil spring	
Travel*	Full jounce		53.2 (2.09)	
	Full rebound		94.2 (3.71)	
Spring	Type (coil, leaf, other) & material		Coil, Spring steel	
	Size (length x width, coil design height & i. d.)		238 x 65.8~75.9 (9.4 x 2.6~3.0) for ED836 238 x 85.4 ~ 95.5 (9.4 x 3.4 ~ 3.8)	
	Spring rate [N / mm (lb. / in.)]		20.6 (117.6) for ED836, 19.6~29.4 (112.0~168.0)	
	Rate at wheel [N / mm (lb. / in.)]		12.6 (72.0)	12.0 (68.3)~18.0 (103.0)
	Insulators (type & material)		Mounting, Rubber	
	If leaf	No. of leaves	N.A.	
		Shackle (comp. or tens.)	N.A.	
Stabilizer	Type (link, linkless, frameless)		N.A.	Link
	Material & bar diameter		N.A.	Spring steel 15.0 (0.6)
Track bar (type)			N.A.	

* Define load condition : Curb weight

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

Body Type ~~And / Or~~
~~Engine Displacement~~ Car Model Code

COUPE		
ED836	ED835 , ED845	ED936

Brakes - Service

Description						
Split service brake						
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)			NISSIN, Disk	AKEBONO, Disk	
	Rear (disc or drum)			NISSIN, Drum		NISSIN, Disk
Valving type (proportion, delay, metering, other)				Proportion		
Power brake (std., opt., n.a.)				N.A.		
Booster type (remote, integral, vac., hyd., etc.)				Vac.		
Vacuum	Source (inline, pump, etc.)			Inline		
	Reservoir (volume in.³)			N.A.		
	Pump - type (elec, gear driven, belt driven)			N.A.		
Traction control	Operational speed range			N.A.		
	Type engine intervention (electronic,mech.)			N.A.		
Anti - lock device	Front / rear (std., opt., n.a.)			N.A.		
	Manufacturer			N.A.		
	Type (electronic, mech.)			N.A.		
	Number sensors or circuits			N.A.		
	Number anti - lock hydraulic circuits			N.A.		
	Integral or add - on system			N.A.		
	Yaw control (yes, no)			N.A.		
	Hydraulic power source (elec., vac, mfr.,pwr. strg.)			N.A.		
Effective area [cm² (in.²)]*				Fr:14.32(22.20) Rr:200.8(31.12)	Fr:180.8(28.03) Rr:200.8(31.12)	Fr:176.4(27.35) Rr:84.0(13.02)
Gross Lining area [cm² (in.²)]**(F / R)				143.2 (22.20) / 200.8 (31.12)	180.8 (28.03) / 200.8 (31.12)	176.4 (27.35) / 84.0 (13.02)
Swept area [cm² (in.²)]***(F / R)				953.2 (147.7) / 315.3 (48.87)	1152.1 (178.6) / 315.3 (48.87)	1040 (161.4) / 804.0 (124.6)
Rotor	Outerworking diameter		F / R	231 (9.09) / N.A.	240 (9.45) / N.A.	242 (9.53) / 239 (9.41)
	Inner working diameter		F / R	144 (5.66) / N.A.	144 (5.67) / N.A.	144 (5.67) / 174 (6.85)
	Thickness		F / R	17 (0.67) / N.A.	21 (0.83) / N.A.	19 (0.75) / 10 (0.39)
	Material & type (vented/solid)		F / R	Cast iron, Vented		
Drum	Diameter & width		F / R	N.A. / 180 (7.09), 38.5 (1.5)		N.A.
	Type and material		F / R	N.A. / Solid, Cast iron		N.A.
Wheel cylinder bore				Fr: 51.1(2.01) Rr: 19.05(0.75)	Fr: 50.8(2.0) Rr: 19.05 (0.75)	Fr: 54 (2.13) Rr: 30.23 (1.19)
Master cylinder	Bore / stroke		~~F / R~~	20.64 (0.81) / 30 (1.18)		22.22 (0.87) / 30 (1.18)
Pedal arc ratio				4.3		
Line pressure at 445N (100 lb.) pedal load [kPa (psi)]				Fr: 1084 (1477) Rr: 5472 (793)	Fr: 11662 (1691)	Rr: 5581 (809)
Lining clearance			F / R	0 / Max 0.7 (0.03)		0 / 0
Brake lining	Front Wheel	Bonded or riveted (rivets / seg.)		Bonded		
		Rivet size		N.A.		
		Manufacturer		NISSIN	AKEBONO	SUMITOMO
		Lining code *****		NBK N327FE	AK V3022EE	M 9208FE
		Material		Resin - mold		
		****	Primary or out - board	108 x 34 x 10(4.25 x 1.34 x 0.39)	119 x 36 x 10 (4.69 x 1.42 x 0.39)	123 x 26.5 x 9 (4.48 x 1.04 x 0.35)
		Size	Secondary or in - board	108 x 34 x 10(4.25 x 1.34 x 0.39)	119 x 36 x 10 (4.69 x 1.42 x 0.39)	123 x 26.5 x 9 (4.48 x 1.04 x 0.35)
		Shoe thickness (no lining)		5.5 (0.22)		6.0 (0.24)
	Rear Wheel	Bonded or riveted (rivets / seg.)		Bonded		
		Manufacturer		NISSIN		NISSIN
		Lining code *****		JB J87FE		JB D70FE
		Material		Resin - mold		
		****	Primary or out - board	192 x 30 x 4.5 (7.56 x 1.18 x 0.18)		71 x 31 x 7 (2.8 x 1.22 x 0.28)
		Size	Secondary or in - board	192 x 30 x 4.5 (7.56 x 1.18 x 0.18)		71 x 31 x 7 (2.8 x 1.22 x 0.28)
		Shoe thickness (no lining)		2.0 (0.08)		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.)
(Disk 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 for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

Body Type ~~And/Or~~ ~~Engine Displacement~~ Car Model Code	COUPE		
	ED836	ED835 , ED845	ED936

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P165/70R13	P175/70R13	185/60R14 82H
	Type (bias, radial, steel, nylon, etc.)		Radial		
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	240 (35)	220 (32)	195 (28)
		Rear [[kPa (psi)]	220 (32)	220 (32)	195 (28)
	Rev. / mile - at 70 km/h (45 mph)		924	902	908
Wheels	Type & material		Disk, Steel		*1
	Rim (size & flange type)		13 x 4 1/2J	13 x 5J	14 x 5J
	Wheel offset		45 (1.8)		
	Attachment	Type (bolt or stud)	Stud		
		Circle diameter	100 (3.9)		
		Number & size	4 , M12 x 1.5P (0.47 x 0.06)		
Spare	Tire and wheel		T105/80D13, 13 x 4T		
	Storage position & location (describe)		Luggage compartment		

*1 : Aluminum wheel, Aluminum alloys

Tires And Wheels (Optional)

Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (load range, ply)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (load range, ply)	
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		Floor
Operates on		Rear wheel
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

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (·)

METRIC (U.S. Customary)

Body Type ~~And/ Or~~ ~~Engine Displacement~~ Car Model Code

COUPE		
ED836	ED835 , ED845	ED936

Steering

Manual (std., opt., n.a.)					Std.	
Power (std., opt., n.a.)					N.A.	
Adjustable steering wheel / column (tilt, telescope, other)			Type		N.A.	Tilt
			Manufacturer		N.A.	HONDA
			(std., opt., n.a.)		N.A.	Std.
Wheel diameter** (W9) SAE J1100			Manual		370 (14.6)	
			Power		N.A.	
Turning diameter m (ft.)	Outside front		Wall to wall (l. & r.)		9.88 (32.39)	
			Curb to curb (l. & r.)		9.27 (30.39)	
	Inside rear		Wall to wall (l. & r.)		4.69	
			Curb to curb (l. & r.)		4.72	
Scrub Radius *					8.5 (0.33)	
Manual	Gear		Type		Rack and Dinion	
			Manufacturer		YAMADA MFG.	
		Ratios		Gear	∞	
				Overall	18.6	19.8
	No. wheel turns (stop to stop)				3.87	4.11
Power	Type (coaxial, ele., hyd., etc.)				N.A.	
	Manufacturer				N.A.	
	Gear		Type		N.A.	
		Ratios		Gear	N.A.	
				Overall	N.A.	
	Pump (drive)				N.A.	
	No. wheel turns (stop to stop)				N.A.	
Linkage	Type				---	
	Location (front or rear of wheels, other)				Rear of front wheel	
	Tie rods (one or two)				Two	
Steering axis	Inclination at camber (deg.)				Camber: 0°, King pin angle: 7°34'	
	Bearings (type)		Upper		Ball joint	
			Lower		Ball joint	
			Thrust		N.A.	
Steering spindle / knuckle & joint type					Ball joint	
Wheel spindle / hub	Diameter		Inner bearing		38(1.5)	
			Outer bearing		38(1.5)	
	Thread (size)				M 22 x P1.5	
	Bearing (type)				Ball bearing	

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.
** See Page 22.

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (·)

METRIC (U.S. Customary)

Body Type ~~And/Or~~ ~~Engine Displacement~~ Car Model Code	COUPE		
	ED836	ED835, ED845	ED936

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	2°59' ± 1°
		Camber (deg.)	0° ± 1°
		Toe - in [outside track - mm (in.)]	0 ± 3 (0 ± 0.12)
	Service reset*	Caster	Pre - set
		Camber	Pre - set
		Toe - in	Adjustable
	Periodic M.V. inspection	Caster	---
		Camber	---
		Toe - in	---
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-0°26' ± 1°
		Toe - in [outside track - mm (in.)]	2 ± 2 (0.08 ± 0.08)
	Service reset*	Camber	Pre - set
		Toe - in	Pre - set
	Periodic M.V. inspection	Camber	---
		Toe - in	---

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

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)	Magnetic torque drive	
	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)	N.A.	
Windshield wiper	Type (standard)	Electric	
	Type (optional)	N.A.	
	Blade length	500 (19.69): Driver side, 475 (18.70): Assist side	
	Swept area [cm² (in.²)]	6889 (1068)	
Windshield washer	Type (standard)	Electric power pump	
	Type (optional)	N.A.	
	Fluid level indicator (light, audible)	N.A.	
Rear window wiper, wiper / washer (std., opt., n.a.)		N.A.	Std.
Horn	Type	Electric vibrator	
	Number used	1	2
Other		Shift indicator (ED836), Tail gate open warning lamp, Brake failure warning lamp, Seat belt warning buzzer & warning lamp, Door open warning buzzer & warning lamp, Head light high - beam indicator, Engine failure warning lamp.	

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

~~Engine Description~~
Engine Code

D15B2	D15B6	D16A6

Electrical - Supply System

Battery	Manufacturer	YUASA, FURUKAWA, MATSUSHITA
	Model, std., (opt.)	55B24R(S) - MF
	Voltage	12
	Amps at 0°F cold crank	410
	Minutes - reserve capacity	70
	Amps / hrs. - 20 hr. rate	47
	Location	Right side in engine compartment
Alternator	Manufacturer	NIPPON DENSO or MITSUBISHI
	Rating (idle / max. rpm)	12V - 60A 12V-65A
	Ratio (alt. crank / rev.)	2.9 2.6
	Output at idle (rpm, park)	Min. 40 A
	Optional (type & rating)	N.A.
Regulator	Type	IC regulator, Voltage control

Electrical - Starting System

Motor	Manufacturer	NIPPON DENSO, MITSUBA
	Current drain ____ °F	0
	Power rating [kw (hp)]	1.0 - 1.4 (1.4 - 1.9)
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 - 07A		
	Current	Engine stopped - A	0		
		Engine idling - A	---		
Spark plug	Manufacturer		NGK, NIPPON DENSO		
	Model		BCPR6E - 11, BCPR6EY - N11 Q20PR - U11	BCPR5E - 11, BCPR5EY - 11 Q16PR - U11	BCPR6E-11, BCPR6EY-N11 Q20PR - U11
	Thread (mm)		14		
	Tightening torque [N·m (lb, ft)]		17.65 (13.02)		
	Gap		$1.1 \pm {}^{0}_{0.1}$ ($0.043 \pm {}^{0}_{0.004}$)		
	Number per cylinder		1		
Distributor	Manufacturer		TOYO DENSO		
	Model		TD - 01U	TD - 18U	

Electrical - Suppression

Locations & type	N.A.

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

Body Type	COUPE

Body

Structure	Monocoque construction
Bumper system front - rear	Plastic bumper with energy - absorbing plastic form
Anti - corrosion treatment	P.V.C. coating : Under of the vehicle Chipping primer : Hood, roof, fender, front pillar and side sill Rust proof wax : Doors, hood, tail gate and other hollow structures

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)			Acrylic baking
Hood	Material & mass		Iron - zinc alloy coated steel 11.6 (25.6)
	Hinge location (front, rear)		Rear
	Type (counterbalance, prop)		Prop
	Release control (internal, external)		Internal
Trunk lid	Material & mass		N.A.
	Type (counterbalance, other)		N.A.
	Internal release control (elec., mech., n.a.)		N.A.
hatchback lid	Material & mass		Iron - zinc alloy coated steel 6.5 (14.3)
	Type (counterbalance, other)		Damper stay
	Internal release control (elec., mech., n.a.)		Mech.
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
		Rear	Flex
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)		Front	Bucket, Wire & Urethane form
		Rear	N.A.
		3rd seat	N.A.
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)		Front	Bucket, Wire & Urethane form
		Rear	N.A.
		3rd seat	N.A.

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

Body Type	COUPE

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard / ~~optional~~	First seat	N.A.	N.A.	N.A.
		Second seat	N.A.	N.A.	N.A.
		Third seat	N.A.	N.A.	N.A.
Passive	Type & description (air bag, motorized - 2 - point belt, fixed belt, knee bolster, manual - lap belt) Standard / ~~optional~~	First seat	3 - point belt	N.A.	3 - point belt
		Second seat	N.A.	N.A.	N.A.
		Third seat	N.A.	N.A.	N.A.

Glass	SAE Ref. No.	
Windshield glass exposed surface area [cm² (in.²)]	S1	8967 (1390)
Side glass exposed surface are [cm²(in.²)] - total 2 - sides	S2	8992 (1394)
Backlight glass exposed surface area [cm² (in.²)]	S3	7258 (1125)
Total glass exposed surface area [cm² (in.²)]	S4	20757 (3217)
Windshield glass (type)		Laminated safety glass
Side glass (type)		Tempered reinforced glass
Backlight glass (type)		Tempered reinforced glass

Headlamps

Description - sealed beam, halogen, replaceable bulb, etc.	Semi - sealed beam, Halogen, Replaceable bulb
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

Frame

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

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

Body Type	COUPE		
Car Model Code	ED836	ED835 , ED845	ED936

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

Air conditioning (manual, auto, temp control)		Option (Manual)	
Clock (digital, analog)		Option	Std. (Digital)
Compass / thermometer		N.A.	
Console (floor, overhead)		Std. (Floor)	
Defroster, elec. 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)		Remote type	
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	Option	
	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. (Remote)	
	R.H. (convex, remote, power, heated)	Option	Std. (Remote)
	Visor vanity (RH / LH, illuminated)	N.A.	Std. (RH)
Navigation system (describe)		N.A.	
Parking brake - auto release (warning light)		N.A.	

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (·)

METRIC (U.S. Customary)

~~Engine Description~~ Body Type
~~Engine Code~~ Car Model Code

			COUPE		
			ED836	ED835 , ED845	ED936
Convenience Equipment (standard, optional, n.a.)					
Power equipment	Deck lid (release, pull down)		N.A.		
	Door locks (manual, automatic, describe system)		Manual		
	Seats	2 - 4 - 6 way, etc.	N.A.		
		Reclining (R.H., L.H.)	N.A.		
		Memory (R.H., L.H., present, recline)	N.A.		
		Lumbar, hip, thigh, support	N.A.		
		Heated (R.H., L.H., other)	N.A.		
	Side windows		N.A.		
	Vent windows		N.A.		
	Rear windows		N.A.		
Radio systems	Antenna (location, whip, w / shield, power)		Option (Front L.H corner top of roof, Whip type)		
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	N.A.		
	Optional		AM, FM, Stereo, Tape		
	Speaker (number, location)		Option		
Roof : open air of fixed (flip - up, sliding, "T")			N.A.		Std. Sliding
Speed control device			N.A.		
Speed warning device (light, buzzer, etc)			N.A.		
Tachometer (rpm)			Std.		
Telephone system (describe)			N.A.		
Theft deterrent system			Std. (steering lock)		

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 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.

Body Type / Car Model Code	SAE Ref. No.	COUPE		
		ED836	ED835 , ED845	ED936
Ø Width				
Tread (front)	W101	1450 (57.1)		
Tread (rear)	W102	1456 (57.3)		
Vehicle width	W103	1675 (65.9)		
Body width at SgRP (front)	W117	1648 (64.9)		
Vehicle width (front doors open)	W120	3693 (145.4)		
Vehicle width (rear doors open)	W121	N.A.		
Tumble - home (deg.)	W122	33°58'		
Outside mirror width	W410	1769 (69.6)		1860 (73.2)
Ø Length				
Wheelbase	L101	2300 (90.6)		
Vehicle length	L103	3772 (148.5)		
Overhang (front)	L104	805 (31.7)		
Overhang (rear)	L105	697 (27.4)		
Upper structure length	L123	3802 (149.7)		
Rear wheel C/L "X" coordinate	L127	2300 (90.6)		
Ø Height*				
Passenger distribution (front / rear)	PD1,2,3	2 / 0		
Trunk / cargo load		45 (100)		
Vehicle height	H101	1272 (50.1)		
Cowl point to ground	H114	828 (32.6)		
Deck point to ground	H138	948 (37.3)		
Rocker panel - front to ground	H112	130 (5.1)		
Rocker panel - rear to ground	H111	137 (5.4)		
Windshield slope angle	H122	63°17'		
Backlight slope angle	H121	70°22'		
Ground Clearance*				
Front bumper to ground	H102	175 (6.9)		
Rear bumper to ground	H104	246 (9.7)		
Bumper to ground [front at curb mass (wt.)]	H103	197 (7.8)		
Bumper to ground [rear at curb mass (wt.)]	H105	311 (12.2)		
Angle of approach (degrees)	H106	18°39'		
Angle of departure (degrees)	H107	27°37'		
Ramp breakover angle (degrees)	H147	14°52'		
Axle differential to ground (front / ~~rear~~)	H153	155 (6.10)		
Min. running ground clearance	H156	120 (4.72)		
Location of min. run. grd.clear.		Splash guard		

* 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 CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for definitions

Body Type		COUPE		
Car Model Code		ED836	ED835 , ED845	ED936
Ø Front Compartment	SAE Ref. No.			
SgRP front, "X" coordinate	L31	1395 (54.9)		
Effective head room	H61	940 (37.0)		932 (36.7)
Max. eff. leg room (accelerator)	L34	1138 (40.8)		
SgRP to heel point	H30	178 (7.0)		
SgRP to heel point	L53	803 (31.6)		
Back angle	L40	25°		
Hip angle	L42	101°30'		
Knee angle	L44	146°00'		
Foot angle	L46	123°06'		
Design H - point front travel	L17	179 (7.0)		
Normal driving & riding seat track trvl.	L23	209 (8.2)		
Shoulder room	W3	1360 (53.5)		
Hip room	W5	1394 (54.9)		
Upper body opening to ground	H50	1248 (49.1)		1238 (48.7)
Steering wheel maximum diameter *	W9	377 (14.8)	370 (14.6)	
Steering wheel angle	H18	21°40'		
Accel. heel pt. to steer. whl. cntr	L11	341 (13.4)		
Accel. heel pt. to steer. whl. cntr	H17	562 (22.1)		
Underpressed floor covering thickness	H67	22 (0.9)		31 (1.2)

Ø Rear Compartment

SgRP point couple distance	L50	
Effective head room	H63	
Min. effective leg room	L51	
SgRP (second to heel)	H31	
Knee clearance	L48	
Shoulder room	W4	
Hip room	W6	
Upper body opening to ground	H51	
Back angle	L41	
Hip angle	L43	
Knee angle	L45	
Foot angle	L47	
Depressed floor covering thickness	H73	

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	N.A.
Liftover height	H195	N.A.

Interior Volumes (EPA Classification)

Vehicle class		2 - seater
Interior volume index (cu. ft.)**		N.A.
Trunk / cargo index (cu. ft.)		N.A.

* See page 14.
** Includes passenger and trunk / cargo index - see definition page 32.

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

Vehicle Dimensions

See Key Sheets for definitions

Body Type		COUPE
Station Wagon - Third Seat	SAE Ref. No.	
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	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	
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	

Hatchback - Cargo Space

Cargo length at front seatback height	L208	938 (36.9)
Cargo length at floor (front)	L209	1188 (46.8)
Cargo length at second seatback height	L210	N.A.
Cargo length at floor (second)	L211	N.A.
Front seatback to load floor height	H197	390 (15.4)
Second seatback to load floor height	H198	N.A.
Cargo volume index [m^3 ($ft.^3$)]	V3	0.66 (23.2)
Hidden cargo volume index [m^3 ($ft.^3$)]	V4	N.A.
Cargo volume index - rear of 2 - seat	V11	N.A.

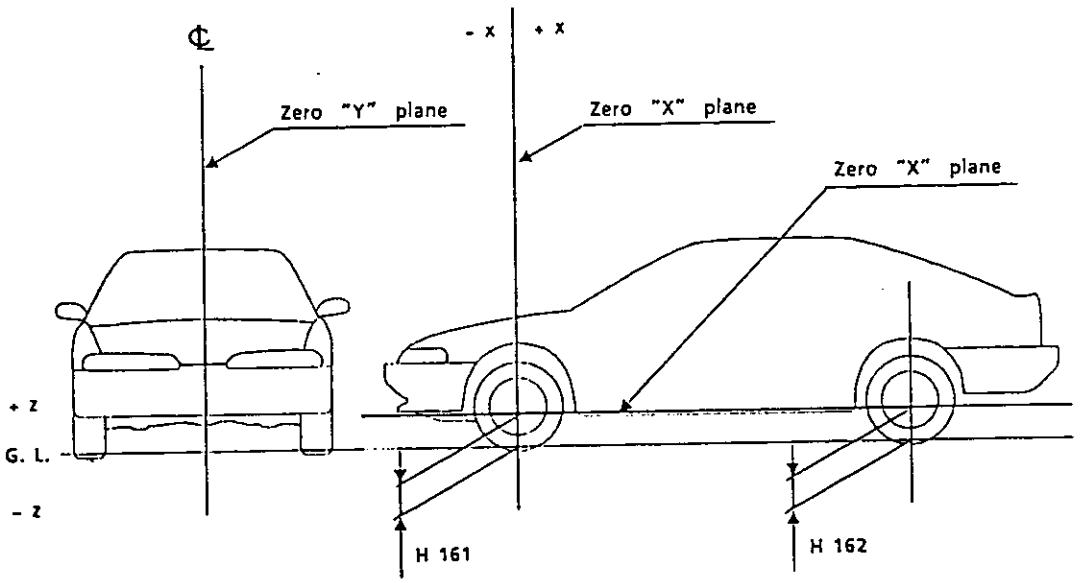
MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

Body Type	COUPE

Vehicle Fiducial Marks

Number*		Define Coordinate Location
Front / Rear / Fiducial Mark Number		
Front	W21*	---
	L54*	---
	H81*	---
	H161*	205 (8.1)
	H163*	---

Rear	W22*	---
	L55*	---
	H82*	---
	H162*	220 (8.7)
	H164*	---

* Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX

Model Year 1990 Issued July 1989 Revised (-)

METRIC (U.S. Customary)

		Vehicle Mass (weight)								
		CURB MASS, kg. (lb.)*			% PASS MASS DISTRIBUTION				ETWC Code**	
					Pass in Front		Pass in Rear			
Code	Model	Front	Rear	Total	Front	Rear	Front	Rear	Without Air Con	With Air Con
ED836	CIVIC CRX HF 5M	561 (1237)	331 (730)	892 (1967)	45	55	---	---	K	K
ED835	CIVIC CRX 5M	587 (1294)	367 (809)	954 (2103)	45	55	---	---	L	M
ED845	CIVIC CRX 4A	608 (1340)	361 (796)	969 (2136)	45	55	---	---	L	M
ED936	CIVIC CRX Si	597 (1316)	389 (858)	986 (2174)	45	55	---	---	M	M

* 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) Calculation [Kg. (lbs.)]

Shipping Mass (weight) = Curb Weight Less:

ED836 : 26 (57)

Others : 30 (66)

MVMA Specifications

Vehicle Line CIVIC CRX HF, CIVIC CRX
Model Year 1990 Issued July1 1989 Revised (·)

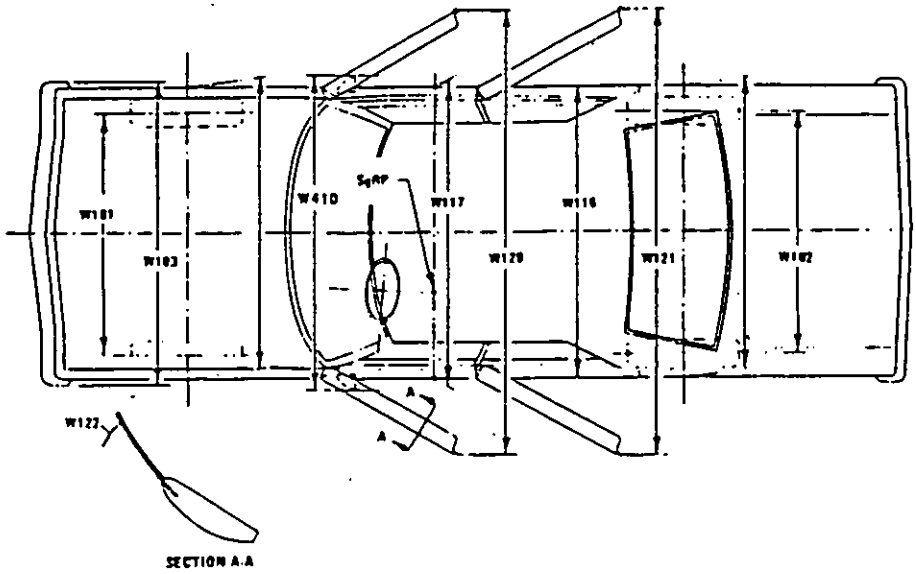
METRIC (U.S. Customary)

		Optional Equipment Differential Mass (weight)*			
		MASS, kg. (lb.)			Remarks Restrictions, Requirements
Code	Equipment	Front	Rear	Total	
ED836	Air conditioner	22 (48.5)	- 2 (- 4.4)	20 (44.1)	
ED835, 845 ED936	Air conditioner	24 (52.9)	- 2 (- 4.4)	22 (48.5)	
All code	Radio System kit	1.8 (4.0)	1.3 (2.9)	3.1 (6.9)	

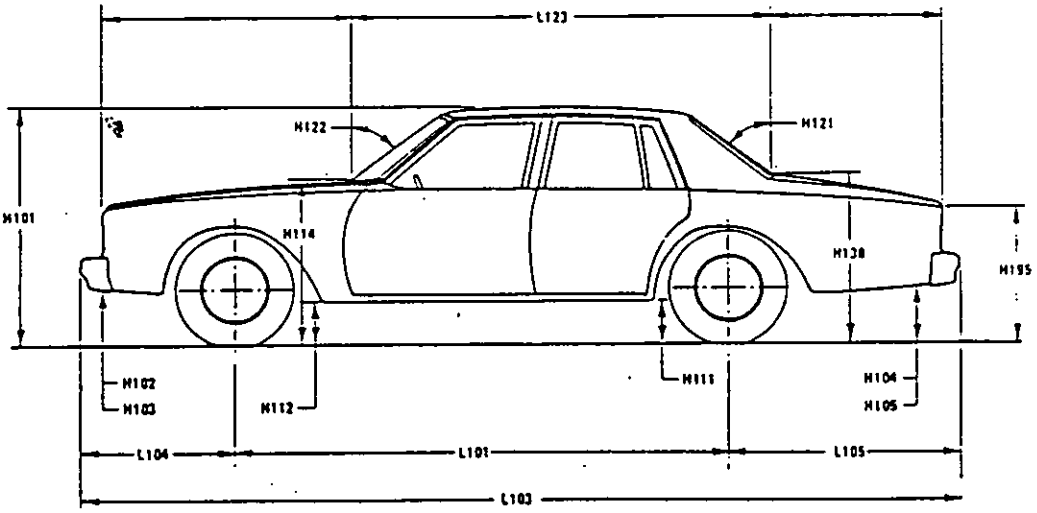
* Also see Engine - General Section for dressed engine mass (weight).

Exterior Vehicle And Body Dimensions – Key Sheet

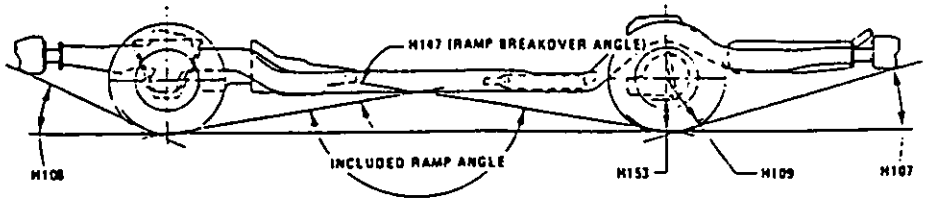
Exterior Width



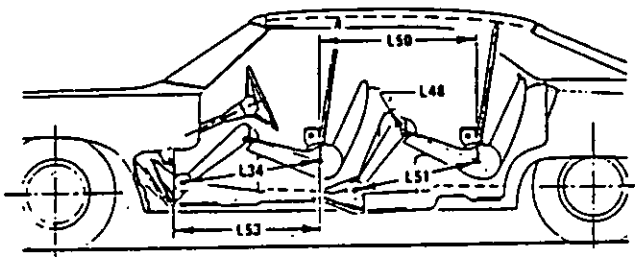
Exterior Length & Height

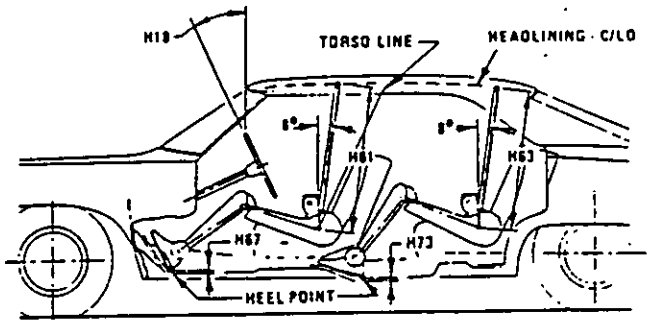


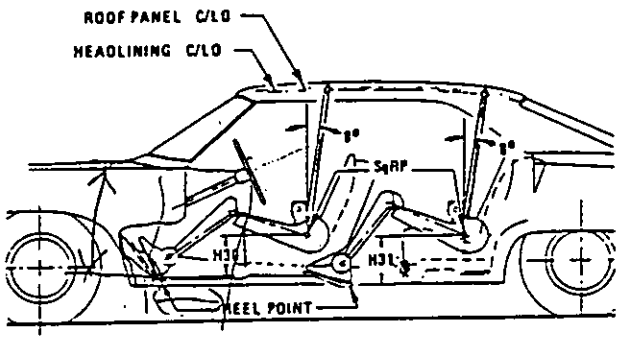
Exterior Ground Clearance

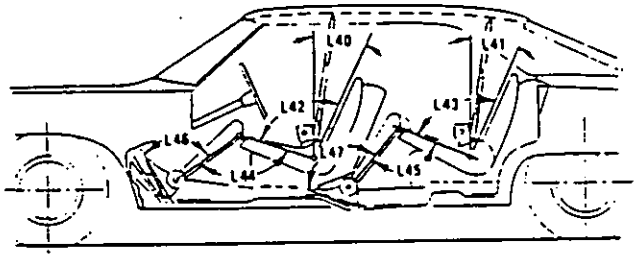


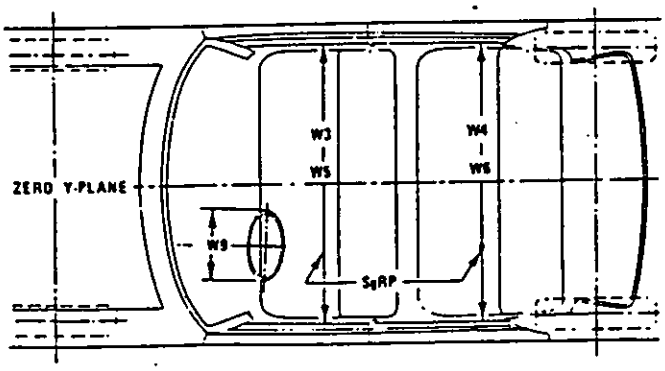
terior Vehicle And Body Dimensions – Key Sheet

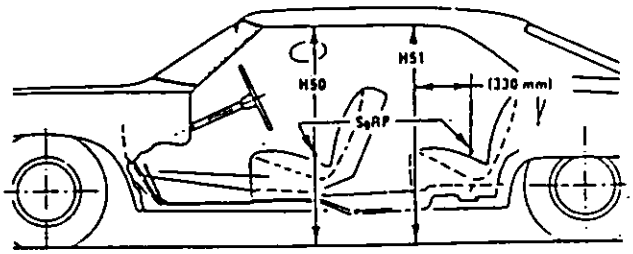




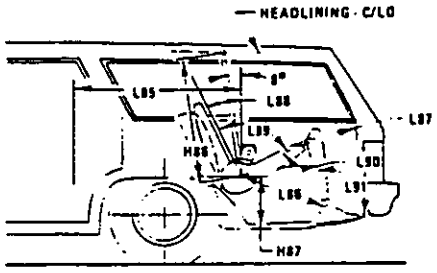


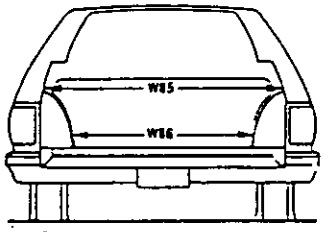




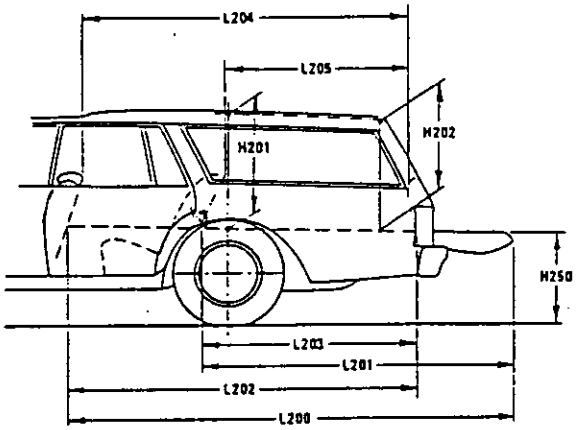


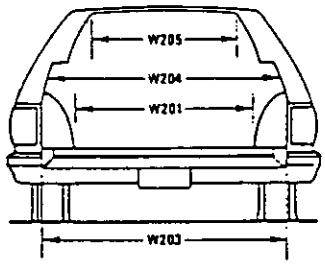
Third Seat



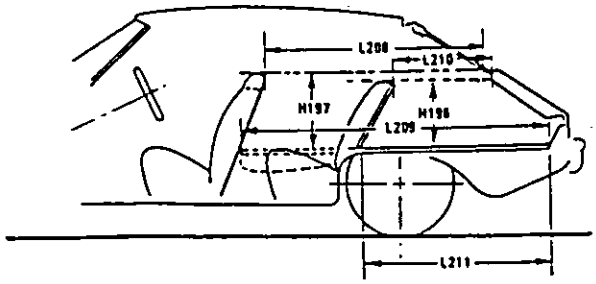


Cargo Space





Station Wagon



Hatchback

Exterior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Seating Reference Point

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

Width Dimensions

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

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

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

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

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

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

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

W410 OUTSIDE MIRROR WIDTH: The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" plane.

Length Dimensions

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

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

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

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

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

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

Height Dimensions

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

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

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

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

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

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

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

H109 STATIC LOAD – TIRE RADIUS – REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

Ground Clearance Dimensions

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

H103 FRONT BUMPER TO GROUND – CURB MASS (WT.). Measured in the same manner as H102.

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

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

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

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

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

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

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

Interior Vehicle And Body Dimensions – Key Sheet
Dimensions Definitions

Glass Areas

S1 Windshield area.
S2 Side windows area. Includes the front door, rear door, vents, and rear quarter windows on both sides of the vehicle.
S3 Backlight areas.
S4 Total area. Total of all areas (S1 + S2 + S3).

Fiducial Mark Dimensions

Fiducial Mark – Number 1

L54 "X" coordinate.
W21 "Y" coordinate.
H81 "Z" coordinate.
H161 Height "Z" coordinate to ground at curb weight.
H163 Height "Z" coordinate to ground.

Fiducial Mark – Number 2

L55 "X" coordinate.
W22 "Y" coordinate.
W82 "Z" coordinate.
H162 Height "Z" coordinate to ground at curb weight.
H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

L11 ACCELERATOR HEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.

L17 DESIGN H-POINT – FRONT TRAVEL. The dimension measured horizontally between the design H-point – front in the foremost and rearmost seat track positions. (See SAE J1100)

L23 NORMAL DRIVING AND RIDING SEAT TRACK TRAVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100).

L31 SgRP – FRONT. "X" COORDINATED.

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

L-40 BACK ANGLE – FRONT. The angle measured between a vertical line through the SgRP – front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

L-42 HIP ANGLE – FRONT. The angle measured between torso line and thigh centerline.

L44 KNEE ANGLE – FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.

L46 FOOT ANGLE – FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826.

L53 SgRP – FRONT TO HEEL. The dimension measured horizontally from the SgRP – front to the accelerator heel point.

W3 SHOULDER ROOM – FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP – front at height between the belt line and 254 mm (10.0 in.) above the SgRP – front, excluding the door assist strap and attaching parts.

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

W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.

H7 ACCELERATOR HEEL POINT TO THE STEERING WHEEL CENTER. The dimension measured vertically from the AHP – front to the intersection of the steering column centerline to a plane tangent to the upper surface of the steering wheel rim.

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

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

H50 UPPER BODY OPENING TO GROUND – FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP – front "X" plane.

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

H67 FLOOR COVERING THICKNESS – UNDEPRESSED – FRONT. The dimension measured vertically from the surface of the undepressed floor covering to the underbody sheet metal at the accelerator heel point.

Rear Compartment Dimensions

L-41 BACK ANGLE – SECOND. The angle measured between a vertical line through the SgRP – second and the torso line.

L43 HIP ANGLE – SECOND. The angle measured between torso line and thigh centerline.

L45 KNEE ANGLE – SECOND. The angle measured between thigh centerline and lower leg centerline.

L47 FOOT ANGLE – SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).

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

L50 SgRP COUPLE DISTANCE – SECOND. The dimension measured horizontally from the driver SgRP – front to the SgRP – second.

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

W4 SHOULDER ROOM – SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP – second at height between 254-406 mm (10.0-16.0 in.) above the SgRP – second, excluding the door assist straps and attaching parts.

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

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

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

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

H73 FLOOR COVERING – DEPRESSED – SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Luggage Compartment Dimensions

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

Interior Volumes (EPA Classification)

The Interior Volume Index is listed for each body style except two seaters. The Interior Volume Index estiamtes the space in a car. It is based on four measurements – head room, shoulder room, hip room, and leg room – for the front and rear seats, plus trunk capacity. The Interior Volume Index is an estimate of the size of the passenger compartment.

The Trunk/Cargo Index is an estimate of the size of the trunk/cargo space. In station wagons and hatchbacks it is an estimate of the space behind the second seat.

Station Wagon – Third Seat Dimensions

L85 SgRP COUPLE DISTANCE – THIRD. The dimension measured horizontally from the SgRP – second to the SgRP – third.

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

L87 KNEE CLEARANCE – THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51 mm (2.0 in.). With rear-facing third seat, dimension is measured to closure.

L88 BACK ANGLE – THIRD. Measured in the same manner as L41.

L89 HIP ANGLE – THIRD. Measured in the same manner as L43.

L90 KNEE ANGLE – THIRD. Measured in the same manner as L45

L91 FOOT ANGLE – THIRD. Measured in the same manner as L47.

W85 SHOULDER ROOM – THIRD. Measured in the same manner as W4.

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

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

H87 SgRP – THIRD TO HEEL POINT.

SD1 SEAT FACING DIRECTION – THIRD.

Station Wagon – Cargo Space Dimensions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

V2 STATION WAGON

Measured in inches:

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

Measured in mm:

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

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

V4 HIDDEN LUGGAGE CAPACITY – REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V5 TRUCKS AND MPV'S WITH OPEN AREA.
Measured in inches:

$$\frac{L506 \times W505 \times H503}{1728} = ft^3$$

Measured in mm:

$$\frac{L506 \times W500 \times H503}{10^9} = m^3 \text{ (cubic meter)}$$

V6 TRUCKS AND MPV'S WITH CLOSED AREA.
Measured in inches:

$$\frac{L204 \times W500 \times H505}{1728} = ft^3$$

Measured in mm:

$$\frac{L204 \times W500 \times H505}{10^9} = m^3 \text{ (cubic meter)}$$

V8 HIDDEN LUGGAGE CAPACITY – REAR OF SECOND SEAT. The total volume of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the second seat.

V10 STATION WAGON CARGO VOLUME INDEX.
Measured in inches:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{1728} = ft^3$$

Measured in mm:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{10^9} = m^3 \text{ (cubic meter)}$$

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

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

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

L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT – HATCHBACK. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback or the load floor which is stowed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "X" plane.

L211 CARGO LENGTH AT FLOOR – SECOND HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

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

H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT: The dimension measured vertically from the second seatback to the undepressed floor covering.

V3 HATCHBACK.
Measured in inches:

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

Measured in mm:

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

V4 HIDDEN LUGGAGE CAPACITY – REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor:
Measured in inches:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{1728} = ft^3$$

Measured in mm:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{10^9} = m^3 \text{ (cubic meter)}$$

MVMA Specifications

METRIC (U.S. Customary)

Index