MOTOR VEHICLE MANUFACTURERS SPECIFICATIONS

METRIC (U.S. Customary)

1999

Manufacturer	Vehicle Line	
AMERICAN HONDA MOTOR CO., INC.	Honda Civic Coupe	
Mailing Address	Issued	Revised
1919 TORRANCE BLVD., TORRANCE CA 90501-2746 U.S.A.	September , 1998	

Direct questions concerning these specifications to the manufacturer listed above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This specification form was developed by the vehicle manufacturing companies under the auspices of the American Automobile Manufacturers Association.

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

AAMA

American Automobile Manufacturers Association
Forms provided by Technical Affairs Division

MVMA Specifications

Vehicle Line: Honda Civic Coupe
Model Year: 1999 Issued: 'Sep., 98 Revised (*)

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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).

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4 Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle dimensions") may be available from the manufacturer.

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Vehicle Origin

Design & development (company)	Honda Research & Development
Where built (country)	U.S. A.
Authorized U.S. sales marketing representative	American Honda Motor Co.

Vehicle Models

Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
Civic 2 Door Coupe DX (FWD)	Sep. - 98	Honda, Civic, DX 2 Door Coupe (5MT: EJ612, EJ614) (4AT: EJ622, EJ624)	5 (2/3)	45 (100)	5MT: (32/37) 4AT: (28/35)
Civic 2 Door Coupe HX (FWD)		Honda, Civic, HX 2 Door Coupe (5MT: EJ712) (4AT: EJ722)			5MT: (35/43) CVT: (34/38)
Civic 2 Door Coupe EX (FWD)		Honda, Civic, EX 2 Door Coupe (5MT: EJ814, EJ815[1]) (4AT: EJ824, EJ825[1])			5MT: (29/35) 4AT: (28/35)
Civic 2 Door Coupe Si (FWD)		Honda, Civic, Si 2 Door Coupe (5MT: EM115)			5MT: (26/31)

* : FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

[1]: with Anti-lock brakes (ABS)

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Power Teams

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

			A	B	C	D	E	F	G
ENGINE	Engine Code		D16Y7		D16Y5		D16Y8		B16A2
	Displacement Liters (in.3)		1590 (97)		1590 (97)		1590 (97)		1595 (97)
	Induction system (FI, Carb, etc.)		FI		FI		FI		FI
	Compression ratio		9.4		9.4		9.6		10.2
	SAE Net at RPM	Power kW (bhp)	79 (106) @ 6200		86 (115) @ 6300		95 (127) @ 6600		119 (160) @ 7600
		Torque N m (lb.ft)	140 (103) @ 4600		141 (104) @ 5400		146 (107) @ 5500		151 (111) @ 7000
	Exhaust single, dual		Single		Single		Dual		Dual
TRANS	Transmission/ Transaxle		5 MT	4 AT	5 MT	CVT	5 MT	4 AT	5 MT
	Effective Final Drive / Axle Ratio (std. first)		4.058	4.357	3.722	5.808	4.250	4.357	4.400

Series Availability **Power Teams (A - B - C - D)**

Model	Code	Standard	Optional
Civic 2 Dr Coupe DX	EJ612, EJ614	A	N/A
Civic 2 Dr Coupe DX	EJ622, EJ624	B	N/A
Civic 2 Dr Coupe HX	EJ712	C	N/A
Civic 2 Dr Coupe HX	EJ722	D	N/A
Civic 2 Dr Coupe EX	EJ814, EJ815	E	N/A
Civic 2 Dr Coupe EX	EJ824, EJ825	F	N/A
Civic 2 Dr Coupe Si	EM115	G	N/A

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Engine Code/Description

D16Y7	D16Y5	D16Y8	B16A2

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre- camber, etc.)		Inline, Front, Transverse, SOHC			Inline, Front, Transverse, DOHC
Manufacturer		Honda of America Mfg., Inc.			
No. of cylinders		4			
Bore		75.0 (2.95)			81.0
Stroke		90.0 (3.54)			77.4
Bore spacing (C/L to C/L)		84.0 (3.31)			90.0
Cylinder block material & mass kg (lbs.) (machined)		[1] 15.8 (34.8)			[1] 22.2
Cylinder block deck height		212 (8.35)			203
Cylinder block length		403 (15.9)			436
Deck clearance (minimum) (above or below block)		0			60, (Below Block)
Cylinder head material & mass kg (lbs.)		[1] 8.1 (17.9)	[1] 8.4 (18.5)	[1](8.1 (17.9)	[1]12.8 (28.2)
Cylinder head volume cm3 (in.3)		34.6 (2.11)	32.8 (2.00)	32.8 (2.00)	42.7
Cylinder liner material		Cast Iron			
Head gasket thickness (compressed)		0.7 ± 0.05 (0.03 ± 0.002)			
Minimum combustion chamber total volume - cm3 (inches3)		189.2 (11.55)	189.2 (11.55)	184.8 (11.28)	173.8(10.61)
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.)**		[1] 2.3 (5.1)	[1] 4.1 (9.0)	[1] 3.7 (8.2)	[1] 3.8 (8.4)
Exhaust manifold material & mass kg (lbs.)**		N/A	N/A	[2] 4.3 (9.5)	[2] 6.5 (14.3)
Knock sensor (number & location)		N/A	Yes (CVT)	Yes	Yes
Fuel required unleaded diesel, etc.		Unleaded			
Fuel antiknock index (R + M) / 2		(91 + 81)/2 = 86, Not less than 86			(96+86)/2=91, Not less than 91
Engine mounts	Quantity	5			
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Rubber Elastomeric, Hydroelastic			
	Added isolation (sub-frame, cross member, etc.)	Rear Beam			Sub-frame, Crossmember
Total dressed engine mass (wt.) dry***		110.88 (244.45)	118.07 (260.30)	126.0 (277.78)	129.9(286.38)

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	[1] 220.0 (7.05)	[1] 216.0 (6.93)	[1] 222.0 (7.12)	[1] 222(7.12)

Engine - Camshaft

Location		Over Head Camshaft			
Material & mass kg (weight, lbs.)		[2] 2.3 (5.1)	[2] 2.2 (4.9)	[2] 2.6 (5.7)	[3] 2.2 (4.9)
Drive type	Chain/belt	Cogged Belt			
	Width/pitch	24.0 (0.94) / 9.53 (0.38)			26.0(1.02)/9.53(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:
[1]: Aluminum Silicone Alloy
[2]: Cast Iron Alloy
[3]: Power Metal and Steel Shaft Composite

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		D16Y7	D16Y5	D16Y8	B16A2
Engine - Valve System					
Hydraulic lifters (std., opt., N/A)		N/A			
Valves	Number intake / exhaust	8 / 8			
	Head O.D. intake/exhaust	30.0 (1.18) / 26.0 (1.02)			33.0(1.30)/28.0(1.10)
Engine - Connecting Rods					
Material & mass kg , (weight, lbs.)*		Forged Alloy, 0.43 (0.95)			Forged iron, 0.54 (1.19)
Length (axis C/L to C/L)		137 (5.39)			134 (5.28)
Engine - Crankshaft					
Material & mass kg, (weight, lbs.)*		Forged Steel, 13.9 (30.6)			Cast iron, 14.7 (32.4)
End thrust taken by bearing (no.)		No. 4			2
Length & number of main bearings		23 (0.91), 5			20.5(0.81)
Seal (material, one, two piece design, etc.)	Front	Fluoric Rubber, One Piece			
	Rear	Fluoric Rubber, One Piece			
Engine - Lubrication System					
Normal oil pressure kPa (psi) at engine rpm		350 (50.7) @ 3000			343 (50.0) @ 3000
Type oil intake (floating, stationary)		Stationary			
Oil filter system (full flow, part, other)		Full Flow			
Capacity of c/case, less filter-refill-L (qt.)		3.0 (3.2)			4.0 (4.2)
Engine - Diesel Information					
Diesel engine manufacturer		N/A			
Glow plug, current drain at 0° F		N/A			
Injector nozzle	Type	N/A			
	Opening pressure kPa (psi)	N/A			
Pre-chamber design		N/A			
Fuel injection pump	Manufacturer	N/A			
	Type	N/A			
Fuel injection pump drive (belt, chain, gear)		N/A			
Supplementary vacuum source (type)		N/A			
Fuel heater (yes/no)		N/A			
Water separator, description (std., opt.)		N/A			
Turbo manufacturer		N/A			
Oil cooler-type (oil to engine coolant; oil to ambient air)		N/A			
Oil filter		N/A			
Engine - Intake System					
Turbo charger - manufacturer		N/A			
Super charger - manufacturer		N/A			
Intercooler		N/A			

*Finished State

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ENGINE - Cooling System

		D16Y7	D16Y5	D16Y8	B16A2
Coolant recovery system (std., opt., N/A)		Std.			
Coolant fill location (rad., bottle)		Rad			
Radiator cap relief valve pressure kPa (psi)		108 ± 14.7 (15.6 ± 2.1)			
Circulation thermostat	Type (choke, bypass)	Bypass			
	Starts to open stat at ° C (° F)	78 (172)			
Water Pump	Type (centrifugal, other)	Centrifugal			
	GPM 1000 pump rpm	4.2 GPM @ 1000 rpm			1000 rpm
	Number of pumps	1			
	Drive (V-belt, other)	Timing Belt Drive (Cogged Belt)			Cogged belt
	Bearing type	Ball Bearing			
	Impeller material	Steel			
	Housing material	Aluminum Alloy			
By-pass recirculation type (inter., ext.)		External			
Cooling system capacity	With heater-L (qt.)	MT: 4.2 (4.4), AT: 4.1 (4.3)	MT: 4.2 (4.4), CVT: 4.3 (4.5)	MT: 4.2 (4.4), AT: 4.3 (4.5)	4.8 (5.5)
	With air conditioner -L (qt.)	N/A			
	Opt. equipment specify-L (qt.	N/A			
Water jackets full length of cyl. (yes, no)		Yes			
Water all around cylinder (yes, no)		Yes			
Water jackets open at head face (yes, no)		Yes			
Radiator core	Std., A/C, HD	Std.			
	Type (cross- flow, etc.)	Down Flow			
	Construction (fin & tube mechanical, braze, etc.)	Vertical, Fin & Tube			
	Material, mass kg (wgt., lbs.)	Aluminum, MT: 1.50 (3.31), CVT/AT: 2.14 (4.72)			Aluminum, 2.14 (4.72)
	Width	353.4 (13.91)			
	Height	349.2 (13.75)			
	Thickness	16.0 (0.63)	MT: 16.0 (0.63) CVT: 27.0 (1.06)	MT: 16.0 (0.63) AT: 27.0 (1.06)	27(1.06)
	Fins per inch	MT: 10.2 AT: 11.3	MT: 10.2 CVT: 8.5	MT: 11.3 AT: 8.5	8.5
Radiator end tank material		Nylon			
Fan	Std., elec., opt	Std. Elec.			
	Number of blades & type (flex, solid, material)	4, Solid, Polypropylene			
	Number & location (front, rear of radiator)	1, Rear of Radiator			
	Diameter & projected width	300 (11.8), 40.5 (1.59)			
	Ratio (fan to crankshaft rev.)	N/A			
	Fan cutout type	N/A			
	Drive type (direct, remote)	Direct			
	RPM at idle (elec.)	2300			
	Motor rating (wattage/elec.)	80W			
	Motor switch (type & location / elec.)	Thermo Switch			
	Switch point (temp./pressure/ elec.)	93° ± 2°C (106° F)			
	Fan shroud (material)	Polypropylene			

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

Induction type: carburetor, fuel injection system, etc.			Fuel Injection System	
Manufacturer			Indiana Precision Technology	
Carburetor no. of barrels			N/A	
Idle A/F mix.			14.7 : 1	
Fuel injection	Point of injection (no.)		Intakeport (4)	
	Constant, pulse, flow		Sequential Flow	
	Control (electronic, mech.)		Electronic	
	System pressure kPa (psi)		294 (42.7)	
Idle spd.- rpm (spec. neutral or drive and propane if used)		Manual	670 (Neutral)	700 (Neutral)
		Automatic	700 (Neutral)	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.)		Electronic	
	Location (eng., tank)		In Fuel Tank	
	Pressure range kPa (psi)		441 - 637 (64 - 92.4)	
	Flow rate at regulated pressure L (gal) / hr @ kPa (psi)		55 (14.5) @ 250 (36.3)	80 (21.1) @ 294 (42.7)

Fuel Tank

Capacity refill L (gallons)		45 (11.9)
Location (describe)		Rear Under Floor
Attachment		Fuel Tank Band
Material & Mass kg (weight lbs.)		Steel, 9.2 (20.3)
Filler pipe	Location & material	LH Side Rear Quarter Panel, Carbon Stl
	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

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VEHICLE EMISSION CONTROL

Exhaust Emission Control	Type (air injection, engine modifications, other)		CAT	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 office, other)	N/A	Controlled Flow	N/A
		Exhaust source	N/A	Exhaust Port	N/A
		Point of exhaust injection (spacer, carburetor, manifold, other)	N/A	Intake Manifold	N/A
	Catalytic Converter	Type	Feedback Three-way Catalyst		
		Number of	1		
		Location (s)	Behind Exhaust Manifold		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		
Evaporative Emission Control	Vapor vented (crankcase, canister, other)	Fuel tank	Canister		
		Carburetor	N/A		
	Vapor storage provision		Canister		
Electronic System	Closed loop (yes/no)		Yes		
	Open Loop (yes/no)		No		

ENGINE - EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single	Dual	
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass kg (weight lbs.)		Reverse Flow, 15.2L [1] 7.3 (16.1)	Reverse Flow, 16.8L [1] 8.3 (18.3)	1023 & Reverse flow [1] 8.0 (17.6)
Resonator no. & type		336718, Full Glass Wool Type	4075, Full Glass Wool Type	1, Single & 5.5L
Exhaust Pipe	Branch o.d., wall thickness	N/A	38.1 , 1.0	N/A
	Main o.d., wall thickness	38.1 , 1.6	38.1 , 1.0	540, 1.5
	Material & Mass kg (weight lbs.)	[1] 2.0 (4.4)	[1] 4.4 (9.7)	[1] 5.4 (11.9)
Intermediate pipe	o.d. & wall thickness	44.45 , 1.6	41.3 , 1.0	48.6, 1.6
	Material & Mass kg (weight lbs.)	[2] 7.6 (16.8)	[1] 8.0 (17.6)	[1] 8.1 (17.8)
Tail pipe	o.d. & wall thickness	44.45 , 1.2	48.6 , 1.2	48.6 , 1.2
	Material & Mass kg (weight lbs.)	[1] 7.3 (16.1)	[1] 8.3 (18.3)	[1] 1.6 (3.5)

[1]: Stainless Steel
[2]: Steel with Aluminum Coating

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TRANSMISSION / TRANSAXLE (Std., Opt., N.A.)

Manual 4-speed (manufacturer/country)	N/A		
Manual 5-speed (manufacturer/country)	Honda of America Mfg., Inc. / U.S.A.		HONDA / JAPAN
Manual 6-speed (manufacturer/country)	N/A		
Automatic (manufacturer/country)	N/A		
Automatic overdrive (manufacturer/country)	Honda of America Mfg., Inc. / U.S.A.		N/A
Continuously Variable Transmission (manufacturer/country)	Honda of America Mfg., Inc. / U.S.A.		N/A

MANUAL TRANSMISSION / TRANSAXLE

Number of forward speeds		5		
Gear Ratios	1st	3.250 : 1	3.250 : 1	3.230
	2nd	1.782 : 1	1.909 : 1	2.105
	3rd	1.172 : 1	1.250 : 1	1.458
	4th	0.909 : 1	0.909 : 1	1.107
	5th	0.702 : 1	0.702 : 1	0.848
	6th	N/A		
	Reverse	3.153 : 1	3.153 : 1	3.000
Synchronous meshing (specify gears)		All Forward Gears		
Shift lever location		Floor		
Trans., case mat'l & mass kg (lbs.)*		Aluminum Silicon Alloy, 11.7 (25.8)		
Lubricant	Capacity L (pt.)	Change - 1.8 (3.8), Total - 1.9 (4.0)		1.9 (4.0)
	Type recommended	HONDA MTF		

CLUTCH (MANUAL TRANSMISSION)

Clutch manufacturer		Diakin Clutch Corporation	F.C.C.
Clutch type (dry, wet; single, multiple disc)		Dry, Single Plate Type	
Linkage (hydraulic, cable, rod, lever, other)		Hydraulic	
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	9.8 (21.6)	9.1 (20.5)
	Released	4.3 (9.5)	5.4 (12.1)
Assist (spring, power/percent, nominal)		Spring, 1.5 Kgf	
Type pressure plate springs		Diaphragm spring	
Total spring load (nominal N (lbs.))		3927 (892.9)	4517 (1027)
Clutch Facing	Facing mfg. material coding	ASK JD-8	F.C.C.
	Facing material & construction	Non Asbestos	Woven glasswool
	Rivets per facing	16	
	Outside x inside dia. (nominal)	200.0 (7.87) x 140.0 (5.51)	212(8.35)x150(5.91)
	Total eff. area cm2 (in.2)	160.2 (24.8)	176(27.3)
	Thickness (pressure plate side/fly wheel side)	3.5 (0.14) / 3.5 (0.14)	
	Rivet depth (pressure plate side/fly wheel side)	1.5 (0.059) / 1.5 (0.059)	1.3(0.051)
	Engagement cushion method	Disk Spring type	
Release bearing type & method lubication		Ball bearing, / Push	
Torsional damping method, springs, hysteresis		Coil Spring type	

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

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AUTOMATIC TRANSMISSION / TRANSAXLE

Trade name		Automatic	CVT	Automatic	N/A
Type and special features (describe)		4 Speed Automatic Transmission with Lock-up Clutch	Continuously Variable Automatic Transmission with Lock-up Clutch	4 Speed Automatic Transmission with Lock-up Clutch	N/A
Shift mechanics		Hydraulic, Mechanical	Hydraulic, Mechanical	Hydraulic, Mechanical	N/A
Gear Selector	Location (column, floor, other)	Floor	Floor	Floor	N/A
	Ltr./No. designation (e.g. PRND21)	P-R-N-D4-D3-2-1	P-R-N-D-S-1	P-R-N-D4-D3-2-1	N/A
	Shift interlock (yes, no, describe)	Yes	Yes	Yes	N/A
Gear Ratios	1st	2.600 : 1	2.466 : 1	2.722 : 1	N/A
	2nd	1.468 : 1	N/A	1.516 : 1	N/A
	3rd	0.926 : 1	N/A	0.975 : 1	N/A
	4th	0.638 : 1	0.449 : 1	0.638 : 1	N/A
	Reverse	1.954 : 1	2.466 : 1	1.954 : 1	N/A
	Final drive ratio	4.357 : 1	5.808 : 1	4.357 : 1	N/A
Max. upshift vehicle speed - drive range km/h (mph)		62 (39) 110 (68) 175 (109)	N/A	63 (39) 114 (71) 177 (110)	N/A
Max. upshift engine speed RPM		6800	5000	6900	N/A
Max. kickdown speed - drive range km/h (mph)		140 (88)	180 (113)	140 (88)	N/A
Min. overdrive speed km/h (mph)		27 (17)	60 (38)	27 (17)	N/A
Torque Converter	Type	3 Element - 2 Phase - 1 Turbine	N/A	3 Element - 2 Phase - 1 Turbine	N/A
	Torus design	Axial Flow	N/A	Axial Flow	N/A
	Number of elements	3	N/A	3	N/A
	Max. ratio at stall	2.1 ± 0.15 @ 2650	N/A	2.1 ± 0.15 @ 2650	N/A
	Type of cooling (air, liquid)	Air	N/A	Air	N/A
	Nominal diameter	232 (9.13)	N/A	232 (9.13)	N/A
	Capacity factor "K"*	1.8 ± 0.10	N/A	1.8 ± 0.10	N/A
Pump type		EXTERNAL GEAR			N/A
Lubricant	Capacity refill L (pt.)	2.7 (5.8) chg. 5.9 (12.4) Total	6.3 (13.2)	2.7 (5.8) chg. 5.9 (12.4) Total	N/A
	Type recommended	HONDA ATF	HONDA CVT-F	HONDA ATF	N/A
Oil cooler (std.,opt., N/A, internal , external, air, liquid)		Std., Ext., Liquid			N/A
Transmission mass kg (lbs.) & case material **		[1] 64.2 (141.5)	[1] 79.8 (175.9)	[1] 64.2 (141.5)	N/A

ALL WHEEL / 4 WHEEL DRIVE

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

* Input speed ÷ √torque
**Dry wright including torque converter. If other, specify.
[1]: Aluminum Alloy

MVMA Specifications

Vehicle Line Honda Civic Coupe
Model Year 1999 Issued September 98 Revised (*) _____

METRIC (U.S. Customary)
Engine Code/Description

D16Y7		D16Y5		D16Y8		B16A2
5MT	4AT	5MT	4AT	5MT	4AT	5MT

AXLE RATIO AND TOOTH COMBINATIONS (See 'Power Teams' for axle ratio usage)

Effective final drive ratio (or overall top gear ratio)			4.058	4.357	3.722	5.810	4.250	4.357	4.400
Transfer ratio and method (chain, gear, etc.)			N/A						
Front drive unit	Ring gear o.d.		188.4	187.4	185.4	187.7	190.4	187.4	180
	No of teeth	Pinion	17	14	18	39, 14	16	14	15
		Ring gear	69	61	67	51, 61	68	61	66

FRONT DRIVE UNIT

Description (integral to trans., etc.)		Helical Gear
Limited slip differential (type)		N/A
Drive pinion	Type	Straight Bevel Gear
	Offset	0
No. of differential pinions		2
Pinion / differential	Adjustment (shim, etc.)	SHIM
	Bearing adjustment	SHIM
Driving wheel bearing (type)		Radio Ball Bearing
Lubricant	Capacity L (pt.)	Common in Transmission Lubricant*
	Type recommended	Lubricated by Transmission Oil

AXLE SHAFTS - FRONT WHEEL DRIVE

Manufacturer and number used			GKN Automotive - 2	
Type (straight, solid bar, tubular, etc.)		Left	Straight, Solid Bar	
		Right	Straight, Solid Bar	
Outer dia. x length *x wall thickness	Manual transaxle	Left	25.0 x 723.4 x Solid	25 x 420.4 x Solid
		Right	25.0 x 450.9 x Solid	25 x 420.4 x Solid
	Automatic transaxle	Left	25.0 x 723.4 x Solid	N/A
		Right	25.0 x 450.9 x Solid	N/A
	Optional transaxle	Left	N/A	
		Right	N/A	
Slip yoke	Type		N/A	
	Number of teeth		N/A	
	Spline o.d.		N/A	
Universal joints	Make and mfg. no.	Inner	NTN Toyo Bearing	
		Outer	NTN Toyo Bearing	
	Number used		Inner 2, Outer 2	
	Type, size plunge	Inner	Constant Velocity Joint	
		Outer	Constant Velocity Joint	
	Attach (u-bolt, clamp, etc.)		Spline/Clip	
	Bearing	Type (plain, anti-friction)	Inner-Roller, Outer-Ball	
		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 to universal joints, or to centerline of attachment

(Front Wheel Drive)

MVMA Specifications

Vehicle Line Honda Civic Coupe
Model Year 1999 Issued September 98 Revised (*) _____

METRIC (U.S. Customary)
Engine Code/Description

D16Y7	D16Y5	D16Y8

AXLE RATIO AND TOOTH COMBINATIONS (See 'Power Teams' for axle ratio usage)

Effective final drive ratio (or overall top gear ratio)			N/A
Transfer ratio and method (chain, gear, etc.)			N/A
Front drive unit	Ring gear o.d.		N/A
	No of teeth	Pinion	N/A
		Ring gear	N/A

REAR AXLE UNIT

Description (integral to trans., etc.)		N/A
Limited slip differential (type)		N/A
Drive pinion	Type	N/A
	Offset	N/A
No. of differential pinions		N/A
Pinion / differential	Adjustment (shim, etc.)	N/A
	Bearing adjustment	N/A
Driving wheel bearing (type)		N/A
Lubricant	Capacity L (pt.)	N/A
	Type recommended	N/A

PROPELLER SHAFT – REAR WHEEL DRIVE

Manufacturer			N/A
Type (straight tube, tube-in-tube, internal-external damper, etc.			N/A
			N/A
Outer dia. x length *x wall thickness	Manual 4-speed transmission		N/A
	Manual 5-speed transmission		N/A
	Manual 6-speed transmission		N/A
	Overdrive		N/A
	Automatic Transmission		N/A
Intermediate bearing	Type		N/A
	Number of teeth		N/A
	Spline o.d.		N/A
Universal joints	Make and mfg. no.	Front	N/A
		Rear	N/A
	Number used		N/A
	Type, ball & trunnion, cross		N/A
	Rear Attach (u-bolt, clamp, etc.)		N/A
	Exhaust source		N/A
	Bearing	Type (plain, anti-friction)	N/A
		Lubrication (fitting, prepack)	N/A
Drive taken through (torque tube, arms or springs)			N/A
Torque taken through (torque tube, arms or springs)			N/A

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

(Rear Wheel Drive)

MVMA Specifications

Vehicle Line Honda Civic Coupe
Model Year 1999 Issued September 98 Revised (*) _____

METRIC (U.S. Customary)
Model Code/Description
And/Or
Engine Code/Description

Civic Coupe			
DX	HX	EX	Si

SUSPENSION – GENERAL INCLUDING ELECTRONIC CONTROLS

Car Leveling	Standard/optional/not available		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 available		N/A
	Manual/automatic control		N/A
	Number of damping rates		N/A
	Type of actuation (manual, electric motor, air, etc.)		N/A
	Sensors	Lateral acceleration	N/A
		Deceleration	N/A
		Acceleration	N/A
		Road surface	N/A
Shock absorber (front & rear)	Type		Telescopic, Hydraulic
	Make		Showa
	Piston diameter		Front 30.0 (1.2), Rear 20.0 (0.8)
	Rod diameter		Front 12.5 (0.5), Rear 12.5 (0.5)

SUSPENSION – FRONT

Type and description			Independent, Double Wishbone With Coil Spring							
Travel	Full jounce (define load condition)		116.6 (4.59)							
	Full rebound		62.9 (2.48)							
Spring	Type (coil, leaf, other & material)		Coil, Spring Steel							
	Insulators (type & material)		Mounted, Rubber							
	Size (Leaf: length & width; Coil: design height & I.D.; Bar: length & diameter)	Transmission	MT	AT	MT	CVT	MT	AT	MT	
		Base	359.0 x 58.0~74.0	369.0 x 58.0~73.2	371.0 x 58.0~73.8	384.5 x 58.0~74.0	384.5 x 58.0~74.0	379.5 x 58.0~74.0	368.8 x 58.0~72.8	
		w/ A/C	359.0 x 58.0~74.0	369.0 x 58.0~73.2	N/A	N/A	N/A		N/A	
		w/ ABS	N/A	N/A	N/A	N/A	384.5 x 58.0~74.0	379.5 x 58.0~74.0	N/A	
		w/ A/C & ABS	N/A	N/A	N/A	N/A	N/A		N/A	
	Spring rate (N/mm (lb./in.))	Base	35.3	35.6	31.9	31.4	31.4		39.0	
		w/ A/C	35.3	35.6	N/A	N/A	N/A		N/A	
		w/ ABS	N/A	N/A	N/A	N/A	31.4		N/A	
		w/ A/C & ABS	N/A	N/A	N/A	N/A	N/A		N/A	
	Rate at wheel (N/mm (lb./in.))		19.6 (112)		17.7 (101.0)					
Stabilizer	Type (link, linkless, frameless)		N/A		Link					
	Material & O.D. bar/tube, wall thickness		N/A		Spring Steel,Bar, ϕ 22.0 (0.9)				Spring Steel,Bar ϕ 26.0 (1.0)	

SUSPENSION – REAR

Type and description			Independent, Double Wishbone With Coil Spring	
Travel	Full jounce (define load conditi		135.2 (5.32)	
	Full rebound		72.9 (2.87)	
Spring	Type (coil, leaf, other & material)		Coil, Spring Steel	
	Insulators (type & material)		Mounted, Rubber	
	Size (Leaf: length & width; Coil: design height & I.D.; Bar: length & diameter)		368.5 x 64.9 ~ 79.5 (14.5 x 2.56 ~ 3.13)	346.3 x 64.9 ~ 79.5 (13.6 x 2.56 ~ 3.13)
	Spring rate (N/mm (lb./in.))		17.2 (98.0)	
	Rate at wheel (N/mm (lb./in.))		15.7 (90.0)	
	If leaf	No. of leaves	N/A	
		Shackle (comp. or tension)	N/A	
Stabilizer	Type (link, linkless, frameless)		N/A	Link
	Material & O.D. bar/tube, wall thickness		N/A	Spring Steel,Bar, ϕ 13.0 (0.5)
Track Bar (type)			N/A	

MVMA Specifications

Vehicle Line Honda Civic Coupe
Model Year 1999 Issued September 98 Revised (*)

METRIC (U.S. Customary)
Model Code/Description
And/Or
Engine Code/Description

Civic Coupe	
DX , HX-MT	HX-CVT

BRAKES – SERVICE

Description			Split Service Brake	
Manufacturer and brake type (std., opt., n/a)	Front (disc or drum)		Honda of America Mfg., Inc. / Disc	
	Rear (disc or drum)		YSK Corporation / Drum	
Valve type (proportion, delay, metering, other)			Proportion	
Power brake (std., opt., N/A)			Power Assisted Brake (standard)	
Booster type (remote, integral, vac., hyd., etc.)			Vacuum	
Vacuum	Source (inline,pump, etc.)		Inline	
	Reservoir (value in.^{3})		N/A	
	Pump-type (elec, gear driven, belt driven)		N/A	
Traction assist	Operational speed range		N/A	
	Type (engine or brake intervention)		N/A	
Anti-lock device	Front/rear (std., opt., n.a.)		N/A	
	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, steering.)		N/A	
Effective area cm^2 (in.^{2})*		F/R	176.4 (27.3) / 268.8 (41.7)	
Gross Lining area cm^2 (in.^{2}) **		F/R	181.9 (28.2) / 268.8 (41.7)	
Swept area cm^2(in.^{2})***		F/R	1105.9 (171.5) / 439.8 (68.2)	
Rotor	Outer working diameter	F/R	240.0 (9.45) / N/A	
	Inner working diameter	F/R	144.0 (5.67) / N/A	
	Thickness cm (in)	F/R	21.0 (0.83) / N/A	
	Material & type (vented/solid)	F/R	Cast Iron, Vented / N/A	
Drum	Diameter & width cm (in)	F/R	N/A / 200.0 (7.87), 41.0 (1.61)	
	Type and material	F/R	N/A / Solid, Cast Iron	
Wheel cylinder bore		F/R	50.8 (2.00) / 19.05 (0.75)	
Master cylinder	Bore/stroke	F/R	20.64 (0.81) / 30.0 (1.18)	22.22 (0.87) / 30.0 (1.18)
Pedal arc ratio			3.9 : 1	
Line pressure at 445N(100lb.) pedal load (kPa (psi))		F/R	12387 / 5197	12416 / 5755
Lining clearance		F/R	Self-Adjusting / Self-Adjusting	
Brake lining	Front Wheel	Bonded or riveted (rivets/seg.)	Bonded	
		Rivet size	N/A	
		Manufacturer	AKEBONO	
		Lining Code*****	AK NS162H FF	
		Material	Semi-metallic, NS162H	
		**** Size Primary or out-board	115.7(4.55) x 45.6 (1.80) x 9.0 (0.35)	
		**** Size Secondary or in-board	115.7(4.55) x 45.6 (1.80) x 9.0 (0.35)	
		Shoe thickness (no lining)	6.0 (0.23)	
	Rear Wheel	Bonded or riveted (rivets/seg.)	Bonded	
		Manufacturer	Nissin Spinning	
		Lining Code*****	NBK D9071 FF	
		Material	Semi-metallic, D9071	
		**** Size Primary or out-board	191.8 (7.56) x 35.0 (1.38) x 4.5 (0.18)	
		**** Size Secondary or in-board	191.8 (7.56) x 35.0 (1.38) x 4.5 (0.18)	
		Shoe thickness (no lining)	2.0 (0.08)	

* Excludes rivet holds, 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/4 for each brake.)
**** Size for drum brakes: length x width x thickness; size for disc brakes: (O.D. – I.D.) / 2 x contact circ. x thickness.
***** Manufacturing I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line Honda Civic Coupe
Model Year 1999 Issued September 98 Revised (*) _____

METRIC (U.S. Customary)
Model Code/Description .
And/Or
Engine Code/Description

Civic Coupe		
EX w/o ABS	EX w/ ABS	Si

BRAKES – SERVICE

Description			Split Service Brake		
Manufacturer and brake type (std., opt., n/a)	Front (disc or drum)		Honda of America Mfg., Inc. / Disk		
	Rear (disc or drum)		YSK Corporation / Drum		Honda of America Mfg., Inc. / Disk
Valve type (proportion, delay, metering, other)			Proportion		
Power brake (std., opt., N/A)			Power assisted brake (std)		
Booster type (remote, integral, vac., hyd., etc.)			Vacuum		
Vacuum	Source (inline,pump, etc.)		Inline		
	Reservoir (value in.^{3})		N/A		
	Pump-type (elec, gear driven, belt driven)		N/A		
Traction assist	Operational speed range		N/A		
	Type (engine or brake intervention)		N/A		
Anti-lock device	Front/rear (std., opt., n.a.)		N/A	Std.	N/A
	Manufacturer		N/A	ITT Teves America	N/A
	Type (electronic, mech.)		N/A	Electric	N/A
	Number sensors or circuits		N/A	4	N/A
	Number anti-lock hydraulic circuits		N/A	3	N/A
	Integral or add-on system		N/A	Integral	N/A
	Yaw control (yes, no)		N/A	No	N/A
	Hydraulic power source (elec., vac. mfr., pwr, steering.)		N/A	Electronic	N/A
Effective area cm^2(in.^{2})*		F/R	150.0 (23.3) / 268.8 (41.7)		150.0 (23.3) / 84.0 (13.0)
Gross Lining area cm^2(in.^{2}) **		F/R	184.14 (28.5) / 268.8 (41.7)		184.14 (28.5) / 90.2 (14.0)
Swept area cm^2(in.^{2})***		F/R	1251.8 (194.1) / 439.8 (68.2)		1251.8 (194.1) / 843.36(130.7)
Rotor	Outer working diameter	F/R	262.0 (10.31) / N/A		262.0 (10.31) /239(9.4)
	Inner working diameter	F/R	160.0 (6.29) / N/A		160.0 (6.29) / 170.0(6.69)
	Thickness cm (in)	F/R	21.0 (0.82) / N/A		21.0 (0.82) / 9.0(0.35)
	Material & type (vented/solid)	F/R	Cast Iron, Vented / N/A		Cast Iron, Vente
Drum	Diameter & width cm (in)	F/R	N/A / 200.0 (4.88), 41.0 (1.61)		N/A
	Type and material	F/R	N/A / Solid, Cast Iron		N/A
Wheel cylinder bore		F/R	53.97 (2.12) / 19.05 (0.75)		53.97 (2.12) /30.23(1.19)
Master cylinder	Bore/stroke	F/R	22.22 (0.87) / 30.0 (1.18)	23.81 (0.94) / 30.0 (1.18)	22.22 (0.87) / 30.0 (1.18)
Pedal arc ratio			3.9 : 1		
Line pressure at 445N(100lb.) pedal load (kPa (psi))			10623 / 5920	10662 / 6605	11023 / 4893
Lining clearance		F/R	Self-Adjusting / Self-Adjusting		
Brake lining	Front Wheel	Bonded or riveted (rivets/seg.)	Bonded		
		Rivet size	N/A		
		Manufacturer	AKEBONO		
		Lining Code*****	AK NS175H EF		
		Material	Semi-metallic, NS175H		
		**** Primary or out-board	103.4 (4.07) X 47.1 (1.85) X 10.0 (0.39)		
		Size Secondary or in-board	103.4 (4.07) X 47.1 (1.85) X 10.0 (0.39)		
		Shoe thickness (no lining)	6.0 (0.23)		
	Rear Wheel	Bonded or riveted (rivets/seg.)	Bonded		
		Manufacturer	Nissin Spinning		
		Lining Code*****	NBK D9071 FF		JB ND90 FF
		Material	Semi-metallic, D9071		Semi-metallic,ND90 FF
		**** Primary or out-board	191.8 (7.56) x 35.0 (1.38) x 4.5 (0.18)		71.0 (2.79) X 34.5 (1.35) X 7.5 (0.29)
		Size Secondary or in-board	191.8 (7.56) x 35.0 (1.38) x 4.5 (0.18)		71.0 (2.79) X 34.5 (1.35) X 7.5 (0.29)
		Shoe thickness (no lining)	2.0 (0.08)		7.5(0.29)

* Excludes rivet holds, 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/w for each brake.)
**** Size for drum brakes: length x width x thickness; size for disc brakes: (O.D. – I.D.) / 2 x contact circ. x thickness.
***** Manufacturing I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line Honda Civic Coupe
Model Year 1999 Issued September 98 Revised (*)

METRIC (U.S. Customary)
Model Code/Description, And/Or Engine Code/Description

	Civic Coupe			
	DX	HX	EX	Si

TIRES AND WHEELS (Standard)

			DX	HX	EX	Si
Tires	Size (service description)		P185/65R14 85S			P195/55 R15 84V
	Type (bias, radial, steel, nylon, etc.)		Radial			
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	210 (30)			240 (35)
		Rear kPa (psi)	200 (29)			230 (33)
	Rev./mile-at 70 km/h (45mph)		860			859
Wheels	Type & material		Disk, Steel	Disk, Aluminum	Disk, Steel	Disk, Aluminum
	Rim (size & flange type)		14 x 5J	14 x 5$^{1/2}$JJ	14 x 5J	15 x 6JJ
	Wheel offset		45 (1.77)			
	Attachment	Type (bolt or stud & nut)	Stud & Nut			
		Circle diameter	100 (3.94)			
		Number & size	4 M12 X 1.5P			
Spare	Tire and Wheel		T105/80D 13-13X4T	5MT:T105/80D 13-13X4T CVT:T105/70D 14-14X4T	w/oABS:T105/70D 14-14X4T w/ABS:T125/70D 14-14X4T	T125/70D 15-15X4T
	Storage position & location (describe)		In Trunk Well			

TIRES AND WHEELS (Optional)

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

BRAKES – PARKING

Type of control		Hand Operated Lever
Location of control		Between Front Seats
Operates on		Rear Wheels
If separate from service brakes	Type (internal or external)	N/A
	Drum diameter	N/A
	Lining size (length x width x thickness)	N/A

MVMA Specifications

Vehicle Line Honda Civic Coupe
Model Year 1999 Issued September 98 Revised (*)

METRIC (U.S. Customary)
Model Code/Description
And/Or
Engine Code/Description

Civic Coupe			
DX	HX	EX	Si

STEERING

Manual (std., opt., n/a)					N/A	
Power (std., opt., n/a)					Std.	
Speed-sensitive (std., opt., n/a)					Std.	
4-wheel steering (std., opt., n/a)					N/A	
Adjustable steering wheel/colum n (tilt, telescope, other)		Type			Tilt	
		Manufacturer			Nastech Manufacturing Inc.	
		(std., opt., n/a)			Std.	
Wheel diameter** (W9) SAE J1100		Manual			N/A	
		Power			380.0 (14.96)	
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.)			6.0 (19.7)	
Scrub Radius*					-3.4 (0.13)	-4.2 (0.17)
Manual	Gear	Type			N/A	
		Manufacturer			N/A	
		Ratios	Gear		N/A	
			Overall		N/A	
	No. wheel turns (stop to stop)				N/A	
Power	Type (coaxial, elec., hyd., etc.)				Hydraulic	
	Manufacturer				Blanchester FCM	
	Gear	Type			Power Assisted Rack and Pinion	
		Ratios	Gear		∞	
			Overall		17.5 : 1	
	Pump (drive)				Gear Pump (V-Belt)	
	No. wheel turns (stop to stop)				3.6	
Linkage	Type				Laterial Tie Rod	
	Location (front or rear of wheels, other)				Rear of Front Wheels	
	Tie rods (one or two)				Two	
Steering axis	Inclination at camber (deg.)				Camber: 0°, King Pin Angle : 10° 52'	
	Bearings (type)	Upper			Ball Joint	
		Lower			Ball Joint	
		Thrust			N/A	
Steering spindle/ knuckle & joint type					Ball Joint	

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

** See page 27

MVMA Specifications

Vehicle Line Honda Civic Coupe
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METRIC (U.S. Customary)
Model Code/Description
And/Or
Engine Code/Description

Civic Coupe

WHEEL ALIGNMENT

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	1° 40'
		Camber (deg.)	0°
		Toe-in outside track-mm (in.)	1.0 (0.04)
	Service reset *	Caster (deg.)	Pre-Set
		Camber (deg.)	Pre-Set
		Toe-in outside track-mm (in.)	Adjustable
	Periodic M.V. inspection	Caster (deg.)	Same As Service Checking
		Camber (deg.)	Same As Service Checking
		Toe-in outside track-mm (in.)	Same As Service Checking
Rear wheel at curb mass (wt.)	Service Checking	Camber (deg.)	-1°
		Toe-in outside track-mm (in.)	2.0 (0.08)
	Service reset *	Camber (deg.)	Pre-Set
		Toe-in outside track-mm (in.)	Adjustable
	Periodic M.V. inspection	Camber (deg.)	Same As Service Checking
		Toe-in outside track-mm (in.)	Same As Service Checking

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

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speed-ometer	Type (analog, digital, std., opt.)		Analog, Standard
	Trip odometer (std., opt., n/a)		Standard
Head-up display	Standard, optional, not available		N/A
	Type	Secondary, opto-electronic	N/A
	Speed-ometer	Digital	N/A
	Status/ Warn.ind.	Turn signals, high beam, low fuel, check guages	N/A
	Brightness Control	Day/night mode, adjustable	N/A
EGR maintenance indicator			N/A
Charge indicator	Type		Voltage Regulator
	Warning device (light, audible)		Light
Temperature indicator	Type		Electric Thermal Gauge
	Warning device (light, audible)		N/A
Oil pressure indicator	Type		Electric Pressure Switch
	Warning device (light, audible)		Light
Fuel indicator	Type		Electric Switch, Analog Gauge
	Warning device (light, audible)		Light
Windshield wiper	Type (standard)		3 Speed ; Intermittent, Low, High
	Type (optional)		N/A
	Blade length		Driver Side 500 (20) Passenger Side 450 (18)
	Swept area cm^2 ($in.^2$)		7033 (1090)
Windshield washer	Type (standard)		Electric Pump
	Type (optional)		N/A
	Fluid level indicator (light, audible)		N/A
Rear window wiper, wiper/washer (std., opt., n/a)			N/A
Horn	Type		Electric Vibrator
	Number used		1
Other			N/A

MVMA Specifications

Vehicle Line Honda Civic Coupe
Model Year 1999 Issued September 98 Revised (*) _____

METRIC (U.S. Customary)
Model Code/Description
And/Or
Engine Code/Description

Civic Coupe	
DX, HX, EX	Si

ELECTRICAL – SUPPLY SYSTEM

Battery	Manufacturer	Delco	
	Model, std., (opt.)	55B24L-MF	
	Voltage	12	
	Amps of 0° F cold crank	410	
	Minutes-reverse capacity	70	
	Amps/hrs.-20 hr rate	47	
	Location	Right Side Engine Compartment	
Alternator	Manufacturer	Mitsubishi	DENSO
	Rating (idle/max. rpm)	12V 70A (700-18000 rpm)	12V 80A (750-18000 rpm)
	Ratio (alt. crank/rev.)	2.6 : 1	2.2 : 1
	Output at idle (rpm, park)	37.5A	
	Optional (type & rating)	N/A	
Regulator	Type	IC Regulator	

ELECTRICAL – STARTING SYSTEM

Motor	Manufacturer	Mitsuba
	Current drain 20° C (° F)	N/A
	Power rating kw (hp)	MT: 1.0 (1.40) AT, CVT: 1.2 (1.61)
Motor drive	Engagement type	Magnetic
	Piston engages from (front, rear)	Right Side

ELECTRICAL – IGNITION SYSTEM

Type	Electronic (std., opt., n/a)		Standard	
	Other (specify)		N/A	
Coil	Manufacturer		MT, AT : Weastec, CVT : Hitachi	
	Model		MT, AT: TC-08A, CVT: CM1T-228	
	Current	Engine stopped – A	0	
		Engine idling – A	–	
Spark plug	Manufacturer		NGK	
	Model		DX,EX: ZFR5F-11, HX: ZFR4F-11	PFR6L-13
	Thread (mm)		14	
	Tightening torque N-m (lb. ft.)		18 (13)	
	Gap		0 1.1 – 0.1	0 1.3 – 0.1
	Number per cylinder		1	
Distributor	Manufacturer		DX, EX: Weastec HX: Hitachi	TOYO DENSO
	Model		DX, EX: TD-98U HX: D4T92-04	TD-81U

ELECTRICAL – SUPPRESSION

Locations & type	Resistor Plugs, Resistor Plug Wires, Engine to Frame Ground Straps

MVMA Specifications

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Engine Code/Description

Civic Coupe			
DX	HX	EX	Si

BODY

Structure	Unibody, Unitized Contruction
Bumper system front – rear	Both front and rear bumper systems: -Plastic covers -Energy absorbing styrofoam form - Welded sheet metal bumper beam
Anti-corrosion treatment	White Body is E-Coated Chipping Primer-hood, roof, fenders, pillars, side sills Glavanized steel, hood, trunk lid, door skin, fender inner wheel house and various smaller parts, structural stampings. Outside panel is one sided electrogalvanized.

BODY – MISCELLANEOUS INFORMATION

Type of finish (lacquer, enamel, other)			Baked Enamel	
Hood	Material & mass		Two sided iron zinc coated steel sheets / 12.90 (28.4)	
	Hinge location (front, rear)		Rear	
	Type (counterbalance, prop)		Prop	
	Release control (internal, external)		Internal	
Trunk lid	Material & Mass		Two sided iron zinc coated steel sheets / 9.082 (20.0)	
	Type (counterbalance, other)		Spring	
	Internal release control (elec., mech., n/a)		Mechanical	
Hatch-back lid	Material & mass		N/A	
	type (counterbalance, other)		N/A	
	Internal release control (elec., mech., n/a)		N/A	
Tailgate	Material & mass		N/A	
	Type (drop, lift, door)		N/A	
	Internal release control (elec., mech., n/a)		N/A	
Vent window control (crank, friction, pivot, power)		Front	N/A	
		Rear	N/A	
Window regulator type (cable, tape, flex drive, etc.)		Front	Crank	Power
		Rear	N/A	
Seat cushion type (e.g. 60/40, bucket, bench, wire, foam, etc.)		Front	Bucket, Tube Steel Frame Wire Springs Urethane Foam	
		Rear	Bench, Wire Spring Urethane Foam Form	
		3rd seat	N/A	
Seat back type (e.g. 60/40, bucket, bench, wire, foam, etc.)		Front	Bucket, Tube Steel Frame Wire Springs Foam Cushion	
		Rear	Bench, Tube Sheet Steel Frame Wire Springs Foam Cushion	
		3rd seat	N/A	

FRAME

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

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METRIC (U.S. Customary)
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Engine Code/Description

Civic Coupe
All

RESTRAINT SYSTEM

Seating position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt., etc.) Standard / optional	First Seat	Type 2: (shoulder/lap) std.	N/A	Type 2: (shoulder/lap) std.
		Second Seat	Type 2: (shoulder/lap) std.	Type 1: (lap) std.	Type 2: (shoulder/lap) std.
		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	Air bag and knee bolster; std.	N/A	Air bag and knee bolster; std.
		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 $cm^2(in.^2)$	S1	9100 (1410) *1
Side glass exposed surface area $cm^2(in.^2)$– total 2–sides	S2	10456 (1621) *1
Backlight glass exposed surface area $cm^2(in.^2)$	S3	7217 (1119) *1
Total glass exposed surface area $cm^2(in.^2)$	S4	26773 (4150) *1
Windshield glass (type/thickness)		Laminated Safety Glass / 4.7 (0.18)
Side glass (type/thickness)		Tempered Reinforced Glass / 3.5 (0.14)
Backlight glass (type/thickness)		Tempered Reinforced Glass / 3.5 (0.14)
Tinted (yes/no, location)		Yes, All
Solar control (yes/no, coated/batched, location)		No

HEADLAMPS

Description (sealed beam, halogen, replaceable bulb, etc.)	Halogen, Replaceable Bulb
Shape	Polygon, Aerodynamic
Lo-beam type (2A1, 2B1, 2C1, etc.)	GE HB2 12V 60/55 W (Dual Beam Bulb)
Quantity	2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	GE HB2 12V 60/55 W (Dual Beam Bulb)
Quantity	2

*1 Daylight opening area

MVMA Specifications

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METRIC (U.S. Customary)
Model Code/Description
And/Or
Engine Code/Description

Civic Coupe			
DX	HX	EX	Si

CLIMATE CONTROL SYSTEM

Air conditioning (std., opt., man., auto.)		Standard, Manual		
Condensor	Type	Corrugated Fin		
	Eff. face area (mm≦)	123,300		
	Fins per inch	25.4		
Evaporator	Type	Corrugated Fin		
	Eff. face area (mm≦)	55615		
	Fins per inch	14.1		
Heater core	Material	Copper		
	Eff. face area (mm≦)	24300		
	Fins per inch	12.7		
Compressor	Type	Reciprocating Scroll		Reciprocating Swash
	Displacement (cc)	85.7		155.3
	Manufacturer	Sanden International		DEVSO CORP.
	A/C pulley ratio	1.52	1.48	1.04
Accumulator	Type	N/A		
	Height (mm)	N/A		
	Diameter (mm)	N/A		
Receiver	Type	Aluminum Cylinder with conical bottom		
	Height (mm)	160 (6.3)		
	Diameter (mm)	60.0 (2.4)		
Refrigerant control (CCOT, TVS, etc.)		Expansion valve, capillary tube		
Heater water valve (yes/no)		Yes		
Refrigerant (R – 12, R- 134a, etc.)		R-134a		
Charge level (lbs. – oz.)		500 ~ 550 (17.6 ~ 19.4)		
Cold engine lockout switch (yes/no)		Yes		
Wide open throttle cutout switch (yes/no)		Yes		

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And/Or
Engine Code/Description

Civic Coupe			
DX	HX	EX	Si

CONVENIENCE EQUIPMENT (Standard, Optional, N/A)

Clock (digital, analog)		N/A		
Compass / thermometer		N/A		
Console (floor, overhead)		Std. Small Floor	Std. Large Floor	
Defroster, electric windshield		N/A		
Defroster, electric backlight		Std. (timed operation)		
Electronic	Diagnostic monitor (integrated, individual)	N/A		
	Instrument cluster (list instruments)	N/A		
	Keyless entry	N/A	Dealer Option	Std (radio wave)
	Tripminder (avg. speed., fuel)	N/A		
	Voice alert (list items)	N/A		
	Other	N/A		
Fuel door lock (remote, key, electric)		Remote (Cable Operation)		
Integrated Child Seating	Std. /Opt. &Location in vehicle	N.A.		
	Number of occupants			
	Occupant weight/height (min. & max.)			
	Restraint system description (3 or 5-point belts/booster-seat capability)			
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	Dealer Option		
	Glove compartment	N/A		
	Trunk	N/A	Std.	
	Illuminated entry system (list lamps, activation)	N/A		
	Other	N/A		
Mirrors	Day / night (auto, man.)	Manual		
	L.H. (remote, power, heated)	Remote	Power	
	R.H. (convex, remote, power, heated)	Remote	Power	
	Visor vanity (RH / LH, illuminated)	RH/LH with Lid		
Navigation system (describe)		N/A		
Parking brake-auto release (warning light)		N/A		

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METRIC (U.S. Customary)
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And/Or
Engine Code/Description

Civic Coupe			
DX	HX	EX	Si

CONVENIENCE EQUIPMENT (standard, optional, n.a.)

Power equipment	Deck lid (release, pull down)		N/A		
	Door locks (manual, automatic, describe system)		N/A	Manual, Electric Control	
	Seats	2 – 4 – 6 way, etc.	N/A		
		Reclining (RH., LH)	N/A		
		Memory (RH, LH present recline)	N/A		
		Support (lumbar, hip, thigh, etc.)	N/A		
		Heated (RH, LH, other	N/A		
	Side windows		N/A	Std.	
	Vent windows		N/A		
	Rear windows		N/A		
Radio systems	Antenna (location, whip, w/shield, power)		Manual, Whip, Front pillar		
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM-FM, Stereo Theft Deterrent		
	Optional		Dealer Option		
	Speaker (number, location)		4: 2 Front, 2 Rear	6: 2 Front, 2 Rear, 2 Front Dash	
Roof: open air or fixed (flip-up, sliding, "T")			N/A	Sliding, Electric Control	
Speed control device			N/A	Cruise Control	
Speed warning device (light, buzzer, etc.)			N/A		
Tachometer (rpm)			N/A	Std.	
Telephone system (describe)			N/A		
Theft deterrent system			Steering Column Lock, Shift Lock (AT/CVT), Door Locks		

TRAILER TOWING

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

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

MVMA Specifications

Vehicle Line Honda Civic Coupe
Model Year 1999 Issued September 98 Revised (*)

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

All dimension 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 V ehicle dimensions," unless otherwise specified.

Model Code/Description and/or Engine Code/Description	Civic Coupe
	All

WIDTH	SAE Ref. No.	
Tread (front)	W101	1475 (58.07)
Tread (rear)	W102	1475 (58.07)
Vehicle width	W103	1705 (67.13)
Body width at Sg RP (front)	W117	1691 (66.57)
Vehicle width (front doors open)	W120	3702 (145.70)
Vehicle width (rear doors open)	W121	N/A
Tumble-home (degrees)	W122	26°41'
Outside mirror width	W410	1855 (73.03)

LENGTH		
Wheelbase	L101	2620 (103.15)
Vehicle length	L103	4445 (175.00)
Overhang (front)	L104	860 (33.86)
Overhang (rear)	L105	965 (37.99)
Upper structure length	L123	2745 (108.07)
Rear wheel C/L "X" coordinate	L127	2620 (103.15)

HEIGHT*		
Passenger distribution (front/rear)	PD1,2,3	2 / 3
Trunk/cargo load		45.4 (100.00)
Vehicle height	H101	1323 (52.09)
Cowl point to ground	H114	867 (34.13)
Deck point to ground	H138	951 (37.44)
Rocker panel- front to ground	H112	162 (6.38)
Rocker panel-rear to ground	H111	143 (5.63)
Windshield slope angle (degrees)	H122	60°48'
Backlight slope angle (degrees)	H121	68° 18'

GROUND CLEARANCE*		
Front bumper to ground	H102	208 (8.19)
Rear bumper to ground	H104	201 (7.91)
Bumper to ground front at curb mass (wt.)	H103	222 (8.74)
Bumper to ground rear at curb mass (wt.)	H105	272 (10.71)
Angle of approach (degrees)	H106	15° 18'
Angel of departure (degrees)	H107	11°54'
Ramp breakover angle (degrees)	H147	10°24'
Axle differential to ground (front/rear)	H153	N/A
Min. running ground clearance	H156	110 (4.33)
Location of min. run. grd. clearance		Silencer joint

* 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 Honda Civic Coupe
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METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description and/or Engine Code/Description

Civic Coupe			
DX	HX	EX	Si

FRONT COMPARTMENT	SAE Ref. No.		
SgRP front, "X" coordinate	L31	1410 (55.51)	
Effective head room	H61	985 (38.78)	950 (37.40)
Max. eff. leg room (accelerator)	L34	1085 (42.72)	
SgRP to heel point	H30	248 (9.76)	
SgRP to heel point	L53	884 (34.80)	
Back angle (degrees)	L40	23°	
Hip angle (degrees)	L42	97°	
Knee angle (degrees)	L44	130°	
Foot angle (degrees)	L46	80°	
Design H-point front travel	L17	240 (9.45)	
Normal driving & riding seat track trvl.	L23	240 (9.45)	
Shoulder room	W3	1330 (52.36)	
Hip room	W5	1265 (49.80)	
Upper body opening to ground	H50	1300 (51.18)	1284 (50.55)
Steering wheel maximum diameter*	W9	380 (14.96)	
Steering wheel angle (degrees)	H18	24°	
Accel. heel pt. to steer. wheel center	L11	470 (18.50)	
Accel. heel pt. to steer. wheel center	H17	622 (24.48)	
Undepressed floor covering thickness	H67	15 (0.59)	

REAR COMPARTMENT

SgRP point couple distance	L50	752 (29.61)	
Effective head room	H63	920 (36.22)	900 (35.43)
Min. effective leg room	L51	825 (32.48)	
SgRP (second to heel)	H31	280 (11.02)	
Knee clearance	L48	−2 (−0.08)	
Shoulder room	W4	1305 (51.38)	
Hip room	W6	1159 (45.63)	
Upper body opening to ground	H51	1319 (51.93)	1263 (49.72)
Back angle (degrees)	L41	27°	
Hip angle (degrees)	L43	88°	
Knee angle (degrees)	L45	84°	
Foot angle (degrees)	L47	114°	
Depressed floor covering thickness	H73	20 (0.79)	

LUGGAGE COMPARTMENT

Usable luggage capacity L (ft.³)	V1	337.8 (11.93)
Liftover height	H195	700 (27.56)

INTERIOR VOLUMES (EPA Classifications)

Vehicle class	Subcompact
Interior volume index including trunk / cargo (ft.³)**	[97.11 (COUPE) + 101.76 (SEDAN) + 99.52 (HATCHBACK)] ÷ 3 = 99.46
Trunk / cargo index (ft.³)	11.93

*See page 18.

** See definition page 37.

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

MVMA Specifications

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METRIC (U.S. Customary)
Vehicle Dimensions See Key Sheets for definitions

Model Code/Description and/or Engine Code/Description	Civic Coupe
	ALL

Station Wagon / MPV* - THIRD SEAT	SAE Ref. No.	
Seat facing direction	SD1	N/A
SgRP couple distance	L85	N/A
Shoulder room	W85	N/A
Hip room	W86	N/A
Effective leg room	L86	N/A
Effective head room	H86	N/A
SgRP to heel point	H87	N/A
Knee clearance	L87	N/A
Back angle (degrees)	L88	N/A
Hip angle (degrees)	L89	N/A
Knee angle (degrees)	L90	N/A
Foot angle (degrees)	L91	N/A

STATION WAGON/MPV* - CARGO SPACE

Cargo length (open front)	L200	N/A
Cargo length (open second)	L201	N/A
Cargo length (closed front)	L202	N/A
Cargo length (closed second)	L206	N/A
Cargo length at belt (front)	L204	N/A
Cargo length at belt (second)	L205	N/A
Cargo width (wheelhouse)	W201	N/A
Rear opening width at floor	W203	N/A
Opening width at belt	W204	N/A
Min. rear opening width above belt	W205	N/A
Cargo height	H201	N/A
Rear opening height	H202	N/A
Tailgate to ground height	H250	N/A
Front seat back to load floor height	H197	N/A
Cargo volume index m^3 (ft^3)	V2	N/A
Hidden cargo volume index m^3 (ft^3)	V4	N/A
Cargo volume index - rear of 2-seat	V10	N/A
Cargo volume index *	V6	N/A
Cargo width at floor*	W500	N/A
Maximum cargo height*	H505	N/A

HATCHBACK - CARGO SPACE

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

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

*MPV - Multipurpose Vehicle

MVMA Specifications

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METRIC (U.S. Customary)
Vehicle Dimensions See Key Sheets for definitions

Model Code/Description and/or Engine Code/Description	Civic Coupe
	ALL

VEHICLE FIDUCIAL MARKS

Fiducial Mark Number*		Define Coordinate Location
Front (1) Front (2) Rear (1) Rear (2) NOTE: Provide 3 of 4 Fiducial Mark Locations		Datum plane definition –Vertical longitudinal plane through the longitudinal center of the car. –Vertical transverse plane though the front wheel center. –Horizontal plane through the bottom of the rocker panels.
Front	W21**	—
	L54**	—
	H81**	—
	H161**	215.0 (8.46)
	H163**	—
Rear	W22*	—
	L55**	—
	H82**	—
	H162**	230.0 (9.06)
	H164**	—

* Reference – SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks.
**Reference – SAE Recommended Practice, J1100 – Motor Vehicle Dimensions.
All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line Honda Civic Coupe
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Code	Model	Vehicle Mass (weight) CURB MASS, kg. (lb.)* Front	Rear	Total	Shipping Mass kg (lb)***	ETWC** Code	% PASS MASS DISTRIBUTION Pass in Front Front	Rear	Pass in Rear Front	Rear
EJ612	Civic Coupe DX	639 (1409)	431 (950)	1070(2359)	1042(2297)	N	50	50	18	82
EJ622	Civic Coupe DX	662 (1459)	429 (946)	1091(2405)	1063 (2343)	O	50	50	18	82
EJ614	Civic Coupe DX	654 (1442)	432 (952)	1086(2394)	1058(2332)	O	50	50	18	82
EJ624	Civic Coupe DX	677 (1493)	430 (948)	1107(2441)	1079 (2379)	O	50	50	18	82
EJ712	Civic Coupe HX	652 (1437)	423 (933)	1075(2370)	1047 (2308)	N	50	50	18	82
EJ722	Civic Coupe HX	684 (1508)	425 (937)	1109(2445)	1081 (2383)	O	50	50	18	82
EJ814	Civic Coupe EX	693 (1528)	447 (985)	1140(2513)	1112 (2451)	P	50	50	18	82
EJ824	Civic Coupe EX	714 (1574)	447 (986)	1161(2560)	1133 (2498)	P	50	50	18	82
EJ815	Civic Coupe EX w/ABS	699 (1541)	448 (988)	1147(2529)	1119 (2467)	P	50	50	18	82
EJ825	Civic Coupe EX w/ABS	720 (1587)	448 (988)	1168(2575)	1140 (2513)	P	50	50	18	82
EM115	Civic Coupe Si	734 (1618)	451 (994)	1185(2612)	1157 (2550)	P	50	50	18	82

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

** ETWC - Equivalent Test Weight Class - basis of U. S. Environmental Protection Agency emission certifications.
Refer to ETWC code legend below for test weight class.

ETWC LEGEND

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

***Shipping Mass (weight) = Curb Weight Less:

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MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line Honda Civic Coupe
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		OPTIONAL EQUIPMENT DIFFERENTIAL MASS (weight)*			
		MASS, kg (lb)			Remarks
Code	Equipment	Front	Rear	Total	Restriction, Requirements
EJ612	Air Conditioner	15 (33.1)	1 (2.2)	16 (35.3)	
EJ712					
EJ722					

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

MVMA Specifications

Vehicle Line Honda Civic Coupe
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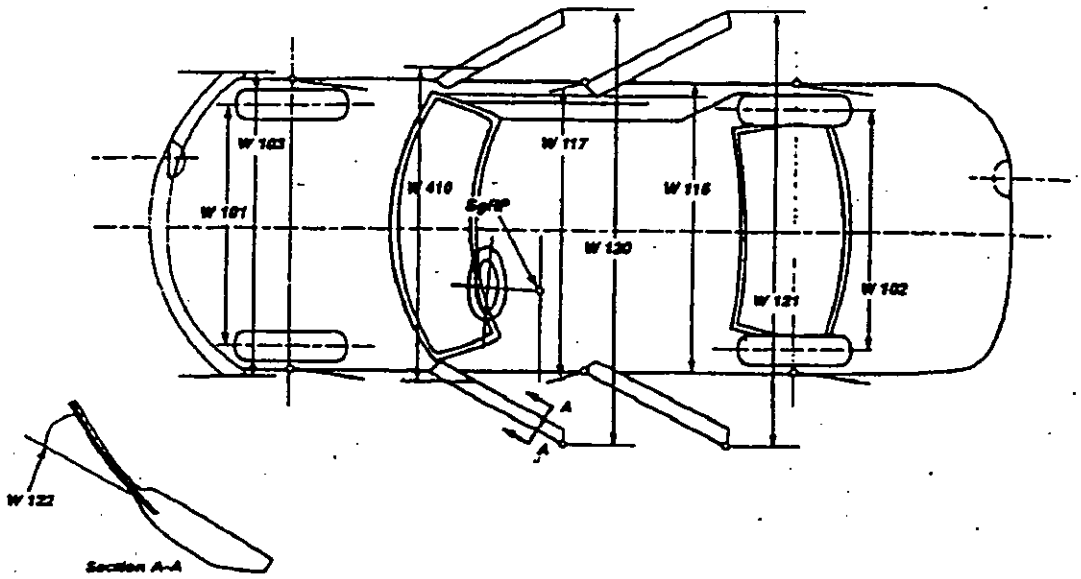
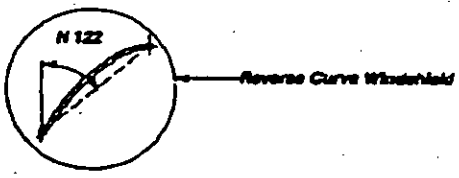
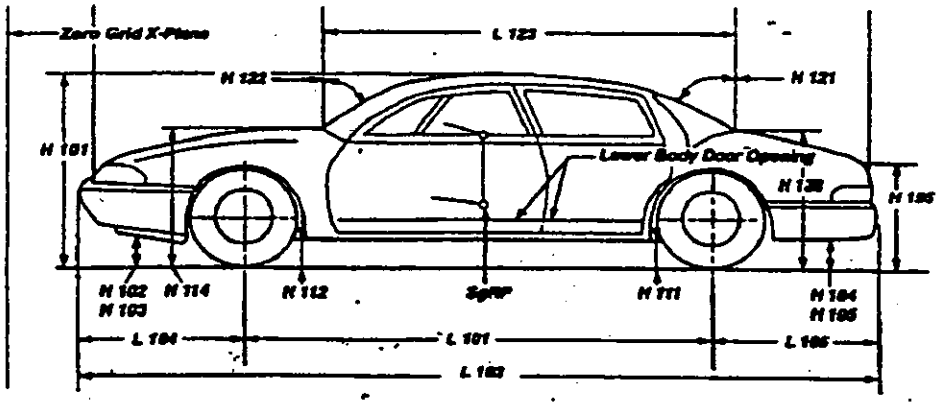
METRIC (U.S. Customary)
Exterior Vehicle and Body Dimensions – Key sheet

Exterior Width Dimensions

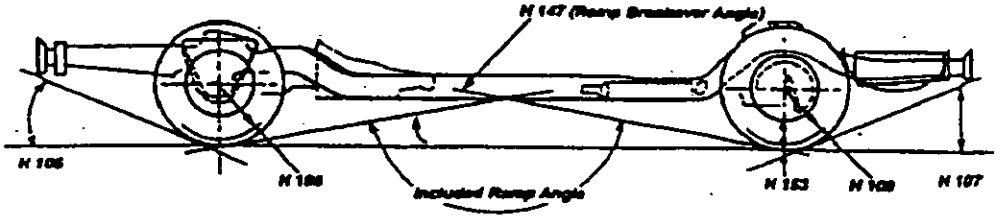


Exterior Length & Height Dimensions





Ground Clearance Dimensions



MVMA Specifications

Vehicle Line Honda Civic Coupe
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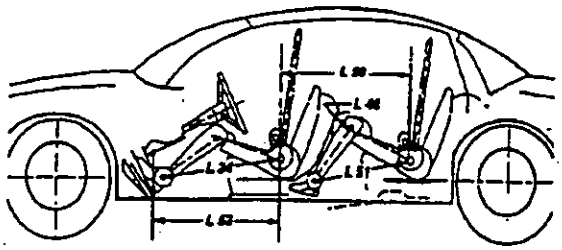
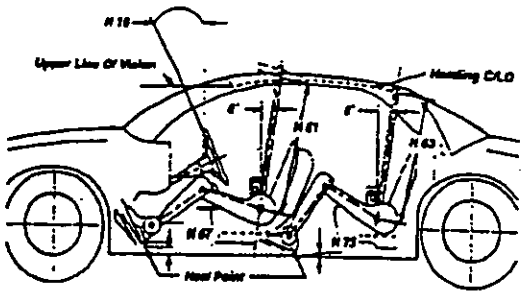
METRIC (U.S. Customary)

Interior Vehicle and Body Dimensions - Key sheet

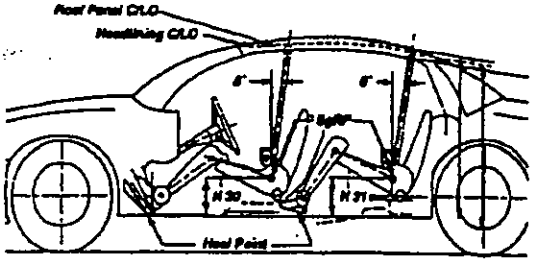
Interior Length Dimensions



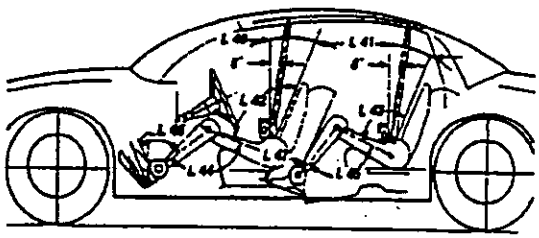
Interior Height Dimensions



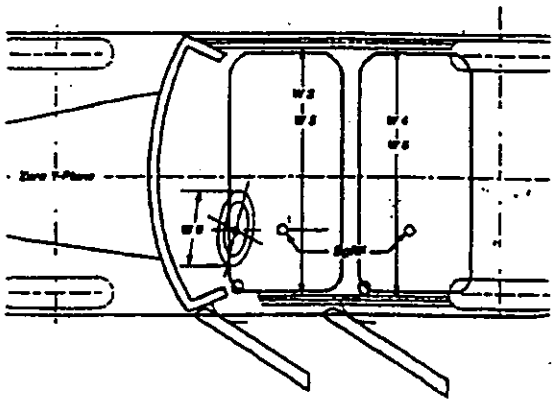
Interior Height Dimensions



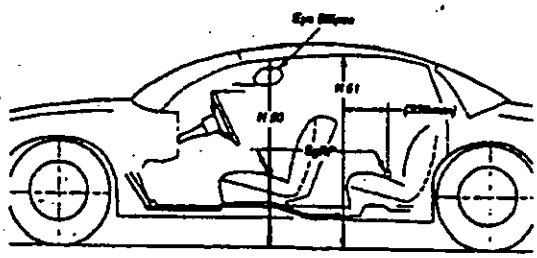
Interior Length Dimensions



Interior Width Dimensions



Interior Height Dimensions



MVMA Specifications

Vehicle Line Honda Civic Coupe
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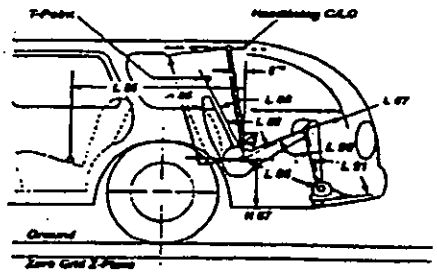
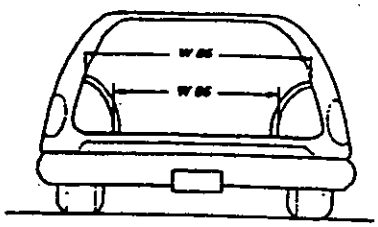
METRIC (U.S. Customary)
Interior Vehicle and Body Dimensions - Key sheet

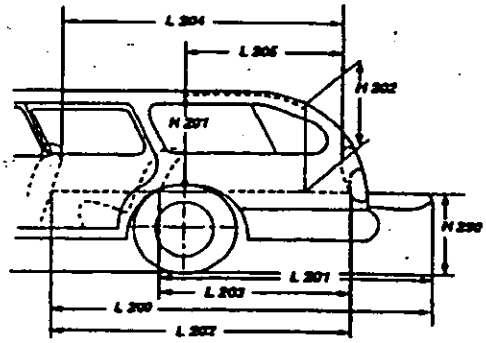
Interior Dimensions, Station Wagon Third Seat



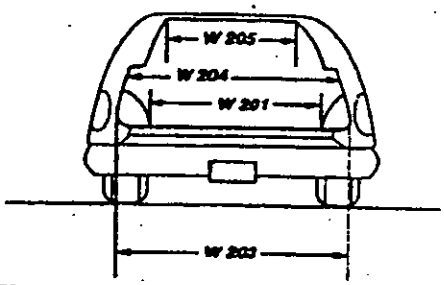
Interior Dimensions



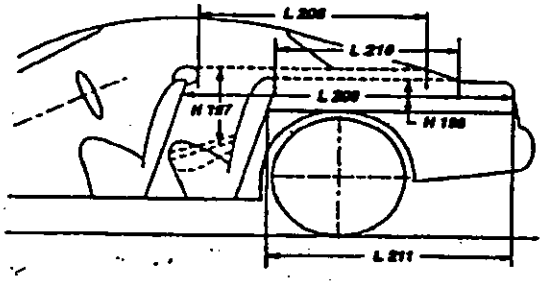
Cargo Space Dimensions



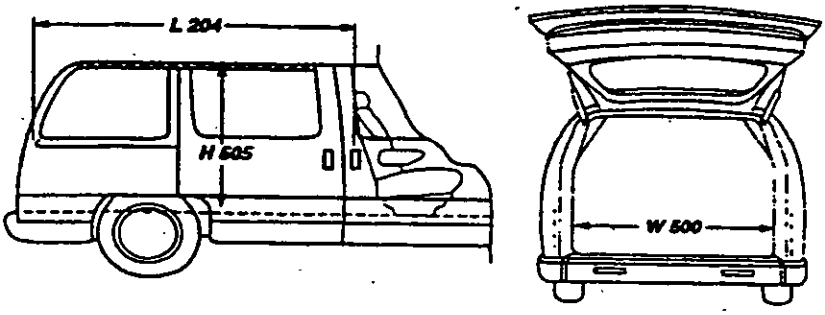
Cargo Space Dimensions



Cargo Space Dimensions



Multipurpose Vehicle Cargo Space



MVMA Specifications

Vehicle Line Honda Civic Coupe
Model Year 1999 Issued September 98 Revised (*) _____

METRIC (U.S. Customary)

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.

/117 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 rear doors in maximum hold-open position.

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

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

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 centerline. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.

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

L104 OVERHANG-FRONT. The dimension measured longitudinally from the centerline of the front wheels to the formost point on the vehicle including bumper, bumper guards, tow hook 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 uper 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 form the lower DLO to the intersecting point on the windshield.

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

H109 STATICLOAD-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 angel measured between a line tangent to the rear tire static loaded radius arc and the initial point of 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.

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METRIC (U.S. Customary)

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.
H82 "Z" coordinate.
H162 Height "Z" coordinate to ground at curb weight.
H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

L11 ACCELERATOR WHEEL 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 underpressed 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.

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

L42 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 EFFECTIVE HEAD ROOM-FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP-front to the headlining plus 102 mm (4.0 in)..

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

Rear Compartment Dimensions

L41 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.

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METRIC (U.S. Customary)
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 Index is listed for each body style except two seaters. The Interior Volume Index estimates 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 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/MPV - Third Seat Dimensions

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

86 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 (2.0in.). 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/MPV - Cargo Space Dimensions

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

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

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

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

L204 CARGO LENGTH AT BELT-FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab 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 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.

W500 CARGO WIDTH AT FLOOR. The maximum dimension, measured laterally between the limiting interferences at the floor level. This dimension shall include ribs and pillars, but will exclude wheelhouses.

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.

H505 MAXIMUM CARGO HEIGHT. The maximum vertical dimension rear of the front seat from the cargo floor to roof bow or headlining at the zero "Y" plane.

MVMA Specifications

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METRIC (U.S. Customary)

Interior Vehicle and Body Dimensions - Key Sheet
Dimensions Definitions

V2 STATION WAGON
Measured in inches:

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

Measured in mm:

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

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.

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

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

Measured in mm:

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

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

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

Measured in mm:

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

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:

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

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. 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. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback or the load floor which is towed 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 SEATBACK. 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:

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

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:

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

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