

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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# Automotive Technical DATA BOOK

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## Engine and cooling system Civic 1.6i VTEC Coupé 1996 to 1997

Type		D16Y8 SOHC 16V 93kW
Capacity (cm <sup>3</sup> ) / number of cylinders		1590 / 4
Compression ratio / pressure	bar	9.5 / ≥9.5
Oil pressure	bar	0.7 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.18 to 0.22
Valve clearance - exhaust	mm	0.23 to 0.27
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	76 to 80
Radiator cap pressure	bar	0.95 to 1.25

## Fuel system Civic 1.6i VTEC Coupé 1996 to 1997

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.1
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		_Honda
Type / ref		PGM-FI MPI
Main jet / needle		—
Injection pressure	bar	2.7 to 3.2
Pump pressure	bar	—
Octane rating	RON	95[U]

## Ignition system Civic 1.6i VTEC Coupé 1996 to 1997

Type		Computerized
Ignition coil		—
Primary resistance	ohms	0.6 to 0.8
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		—
Ignition timing - basic [static V = Vacuum NV = No Vacuum	° Crankshaft @ rpm	12 BTDC @ 750±50
Total ignition advance	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		NGK
Type		BKR6E-11
Electrode gap	mm	1.10

## Electrical system Civic 1.6i VTEC Coupé 1996 to 1997

Battery	V / CC / RC	12 / 36Ah
Alternator voltage / full load current / engine rpm		13.5 / 75 / _
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

## Running gear Civic 1.6i VTEC Coupé 1996 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	1.6
Rear (min. friction material thickness)	mm	1.6
<b>Tyres</b>		
Saloon	Size	185/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	—
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±3.0
Camber		0±45'
Castor		1°40'±1°
King pin inclination		—
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	2.5±1.5
Camber		-1°±45'

## Torque wrench settings Civic 1.6i VTEC Coupé 1996 to 1997

Cylinder head - stage 1	Nm	30
- stage 2	Nm	73
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	32
Main bearings	Nm	45
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	118 [75]
Front hubs	Nm	185
Rear hubs	Nm	185
Wheel nuts / bolts	Nm	108
Spark plugs	Nm	18

## Capacities Civic 1.6i VTEC Coupé 1996 to 1997

Engine oil & filter	litres	3.6
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	2.7
Final drive	litres	WT
Cooling system	litres	4.2. AT: 4.3
Fuel tank	litres	45

## Notes and Illustrations

