

Engine & Cooling

Fuel

Ignition

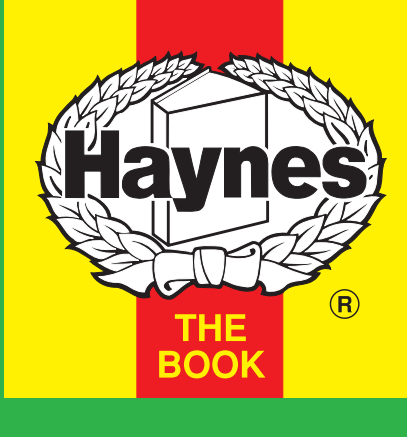
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling system620iS1993 to 1997

Type	F20Z1 SOHC 16V 98kW	
Capacity (cm ³) / number of cylinders	1997 / 4	
Compression ratio / pressure	bar	9.5 / ≥9.3
Oil pressure	bar	0.7 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.24 to 0.28
Valve clearance - exhaust	mm	0.28 to 0.32
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	76 to 80
Radiator cap pressure	bar	0.93 to 1.23

Fuel system620iS1993 to 1997

Idle speed - manual [auto]	rpm	770±50
Fast idle speed - manual [auto]	rpm	1400±200
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤100
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Honda	
Type / ref	PGM-Fi	
Main jet / needle	—	
Injection pressure	bar	2.4 to 2.8
Pump pressure	bar	2.5
Octane rating	RON	95[U]

Ignition system620iS1993 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	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	15±2 BTDC @ 770±50
V = Vacuum NV = No Vacuum	—	
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	Unipart/Champion	
Type	GSP7664 / RC7YCC	
Electrode gap	mm	1.0 to 1.1

Electrical system620iS1993 to 1997

Battery	V / CC / RC	12 / 65Ah
Alternator voltage / full load current / engine rpm	13.5 / 70, 80 / 3000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear620iS1993 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.6
Rear (min. friction material thickness)	mm	1.6

Tyres		
Saloon	Size	185/65x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 2.1
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±3.0
Camber	0±1°	
Castor	+3°±1°	
King pin inclination	—	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.0±2.0
Camber	-30'±30'	

Torque wrench settings620iS1993 to 1997

Cylinder head - stage 1	Nm	40 oiled
- stage 2	Nm	70
Cylinder head - stage 3	Nm	100
- stage 4	Nm	—
Big-end bearings	Nm	32
Main bearings	Nm	35, then 75 oiled
Clutch cover	Nm	26
Flywheel [driveplate]	Nm	105 [75]
Front hubs	Nm	185
Rear hubs	Nm	185
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	18

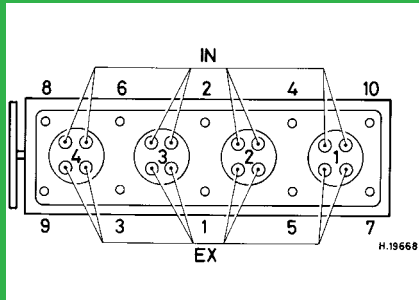
Capacities620iS1993 to 1997

Engine oil & filter	litres	3.8
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	2.4
Final drive	litres	WT
Cooling system	litres	6.3 [6.2]
Fuel tank	litres	65

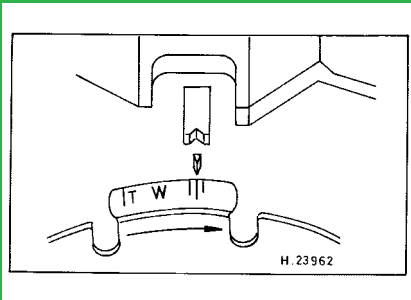
Notes and Illustrations



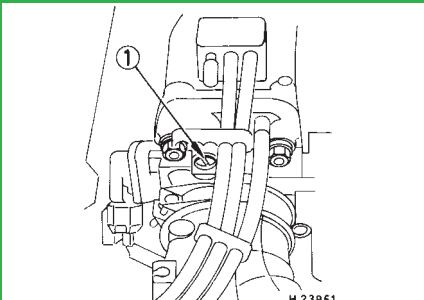
1: Idle speed2: CO / Mixture



1997 cm³



1997 cm³



PGM-Fi