

Engine & Cooling

Fuel

Ignition

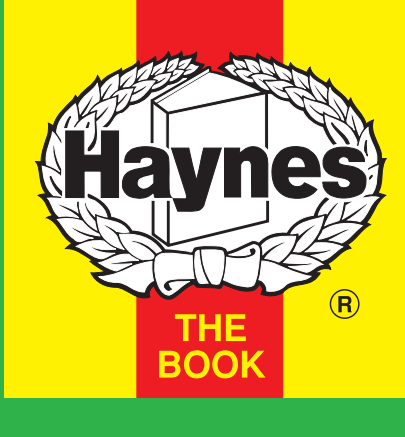
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemX-90 1.61996 to 1997

Type		G16B SOHC 16V 71kW
Capacity (cm ³) / number of cylinders		1590 / 4
Compression ratio / pressure	bar	9.5 / ≥11.0
Oil pressure	bar	[3.6 to 4.4]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.08
- exhaust	mm	0.12
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	82 to 88
Radiator cap pressure	bar	0.9

Fuel systemX-90 1.61996 to 1997

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		_Suzuki
Type / ref		MPI
Main jet / needle		—
Injection pressure	bar	2.0 to 2.4
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemX-90 1.61996 to 1997

Type		Electronic
Ignition coil		—
Primary resistance	ohms	0.86 to 1.06
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	[0.2 to 0.4]
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		—
Ignition timing - basic [static	° Crankshaft @ rpm	5° BTDC @ 750±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		Nippon Denso/NGK
Type		K20PR-U / BKR6E
Electrode gap	mm	0.70 to 0.80

Electrical systemX-90 1.61996 to 1997

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

Running gearX-90 1.61996 to 1997

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

Tyres		
Saloon	Size	195/65x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.6 / 1.6
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	2.0 to 6.0
Camber		0°00'±1°
Castor		1°30'±1°
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—

Torque wrench settingsX-90 1.61996 to 1997

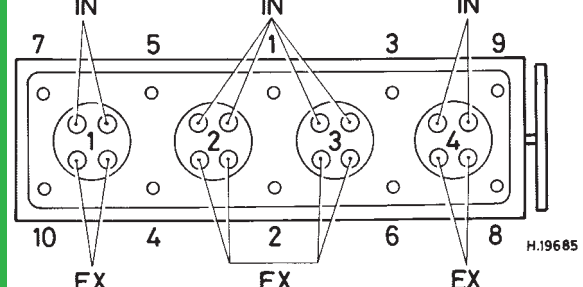
Cylinder head - stage 1	Nm	35
- stage 2	Nm	55
- stage 3	Nm	68
- stage 4	Nm	—
Big-end bearings	Nm	35
Main bearings	Nm	54
Clutch cover	Nm	23
Flywheel [driveplate]	Nm	78 [95]
Front hubs	Nm	120 to 170
Rear hubs	Nm	120 to 200
Wheel nuts / bolts	Nm	50 to 80
Spark plugs	Nm	25

CapacitiesX-90 1.61996 to 1997

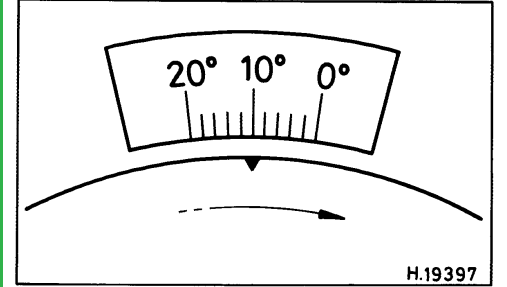
Engine oil & filter	litres	4.2
Gearbox - 4-speed [5-speed]	litres	1.5
Automatic transmission - refill	litres	—
Final drive	litres	Front: 1.0 Rear: 2.2 ¹
Cooling system	litres	5.0
Fuel tank	litres	42 / 55

Notes and Illustrations

¹Transfer box: 1.7



1590 cm³ 16V



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