

Engine & Cooling

Fuel

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Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemBaleno 1.31995 to 1997

Type		G13BB SOHC 16V
Capacity (cm ³) / number of cylinders		1298 / 4
Compression ratio / pressure	bar	9.5 / ≥11.0
Oil pressure	bar	(3.3 to 4.3)
Oil temperature	°C	80
Valve clearance - inlet	mm	0.13 to 0.17
- exhaust	mm	0.13 to 0.17
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.90

Fuel systemBaleno 1.31995 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 N/A
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 systemBaleno 1.31995 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 systemBaleno 1.31995 to 1997

Battery	V / CC / RC	12 / 28Ah
Alternator voltage / full load current / engine rpm		14.4 / 70
Starter motor current / voltage - cranking	A / V	300 / 7.7
- locked	A / V	/ 4.0

Running gearBaleno 1.31995 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	155/80x13: 175/70x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2:2.0 / 2.2:2.0
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0.0±2.0
Camber		0°±1°
Castor		2°42'±2°
King pin inclination		12°36'±3°

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

Torque wrench settingsBaleno 1.31995 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	175
Rear hubs	Nm	175
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	25

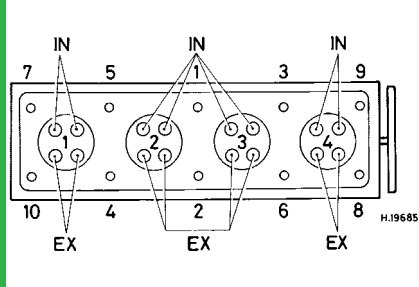
CapacitiesBaleno 1.31995 to 1997

Engine oil & filter	litres	3.3
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	—
Final drive	litres	WT Rear: 0.7
Cooling system	litres	3.6
Fuel tank	litres	51

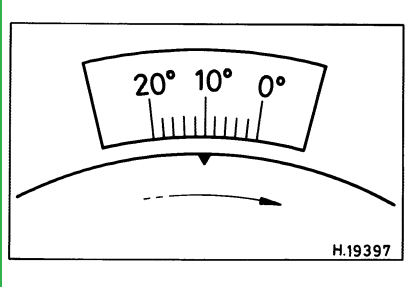
Notes and Illustrations



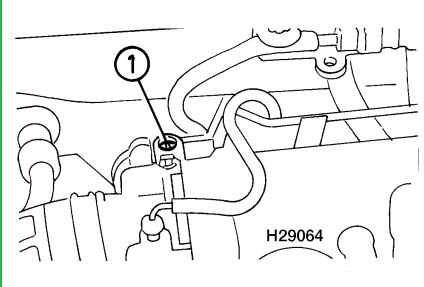
1: Idle speed 2: CO / Mixture



1298 cm³ 16V



1298 cm³ 16V



MPI