

Engine & Cooling

Fuel

Ignition

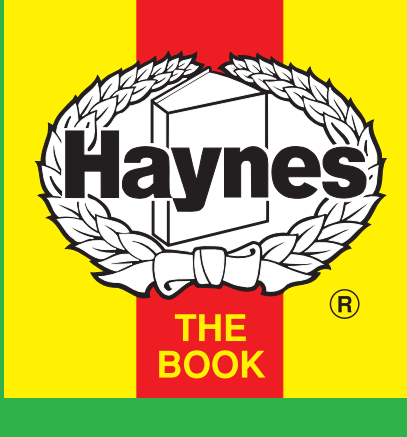
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemY10 GTie1989 to 1992

Type		156 B.000 SOHC 56kW
Capacity (cm³) / number of cylinders		1301 / 4
Compression ratio / pressure	bar	9.5±0.15 / _
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.40±0.05
Valve clearance - exhaust	mm	0.50±0.05
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	80 to 84
Radiator cap pressure	bar	0.98

Fuel systemY10 GTie1989 to 1992

Idle speed - manual [auto]	rpm	800 to 850
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	_
HC @ idle speed [3000 rpm] - see page VI	ppm	_
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		L3.1-Jetronic MPI
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	3.0
Octane rating	RON	98[E 95 RON]

Ignition systemY10 GTie1989 to 1992

Type		Digiplex 2¹
Ignition coil		Marelli BAE 504D
Primary resistance	ohms	0.41 to 0.50
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Marelli
Points gap (air gap)	mm	[0.30 to 0.40]
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10±2 BTDC @ 0 to 1000
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	37±2 BTDC @ 3000
	° 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		Bosch/Champion
Type		WR7DC / RN9YC
Electrode gap	mm	0.60 to 0.70

Electrical systemY10 GTie1989 to 1992

Battery	V / CC / RC	12 / 185 / 40Ah
Alternator voltage / full load current / engine rpm		14.3 to 14.6 / 65 / 3500
Starter motor current / voltage - cranking	A / V	170 / 9.5
- locked	A / V	330 / 7.1

Running gearY10 GTie1989 to 1992

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	155/70x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber		+15'±30' N/A
Castor		+1°40'±30'
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber		0±30' N/A

Torque wrench settingsY10 GTie1989 to 1992

Cylinder head - stage 1	Nm	20
- stage 2	Nm	65
Cylinder head - stage 3	Nm	Bolts: + 90°. Nuts: + 40°
- stage 4	Nm	Bolts: + 90°. Nuts: + 40°
Big-end bearings	Nm	51
Main bearings	Nm	80
Clutch cover	Nm	16
Flywheel [driveplate]	Nm	83
Front hubs	Nm	216
Rear hubs	Nm	216
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	25 to 30

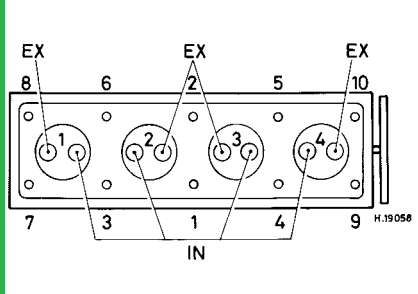
CapacitiesY10 GTie1989 to 1992

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	46

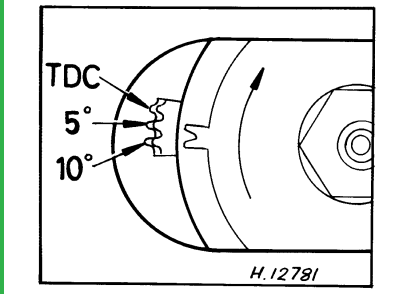
Notes and Illustrations



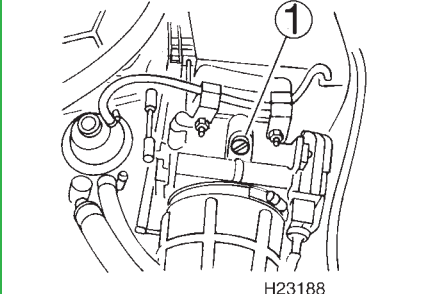
1: Idle speed 2: CO / Mixture



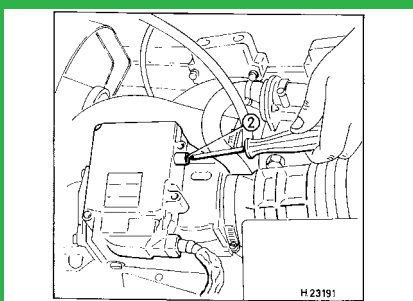
1301 cm³



1301 cm³



L3.1-Jetronic



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