

Engine & Cooling

Fuel

Ignition

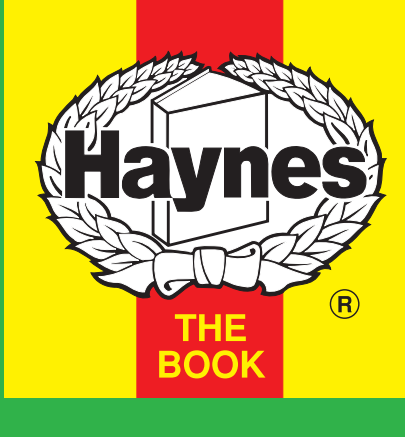
Electrical

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 systemY10 Turbo1985 to 1988

Type		156 A1.000
Capacity (cm³) / number of cylinders		1049 / 4
Compression ratio / pressure	bar	7.0 / _
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.30±0.05
Valve clearance - exhaust	mm	0.40±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 Turbo1985 to 1988

Idle speed - manual [auto]	rpm	750±50
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		Weber
Type / ref		30-32 DMTR 103/251 + IHI Turbo
Main jet / needle		80, 112
Injection pressure	bar	_
Pump pressure	bar	≥0.20
Octane rating	RON	98[L]

Ignition systemY10 Turbo1985 to 1988

Type		Digiplex
Ignition coil		Marelli BAE 209B
Primary resistance	ohms	0.31 to 0.38
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Marelli
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10±2 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	58±2 BTDC @ 4500
	° 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		Champion
Type		RN3C
Electrode gap	mm	0.60 to 0.70

Electrical systemY10 Turbo1985 to 1988

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / _ / 3500
Starter motor current / voltage - cranking	A / V	170 / 9.5
- locked	A / V	330 / 7.1

Running gearY10 Turbo1985 to 1988

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		+2°30'±30'
King pin inclination		_

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

Torque wrench settingsY10 Turbo1985 to 1988

Cylinder head - stage 1	Nm	Nut & bolt: 65
- stage 2	Nm	Bolt: + 90°. Nut: + 40°
Cylinder head - stage 3	Nm	Bolt: + 90°. Nut: + 40°
- stage 4	Nm	_
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	37

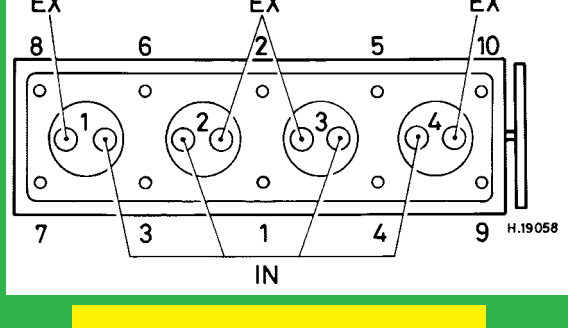
CapacitiesY10 Turbo1985 to 1988

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	5.6
Fuel tank	litres	47

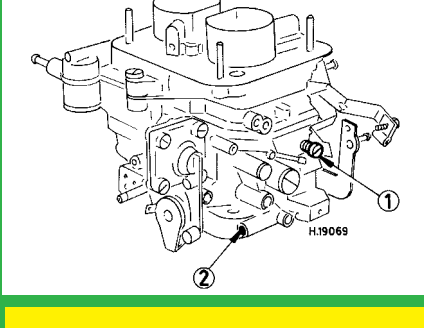
Notes and Illustrations



1: Idle speed 2: CO / Mixture



1049 cm³



Weber 30-32 DMTR