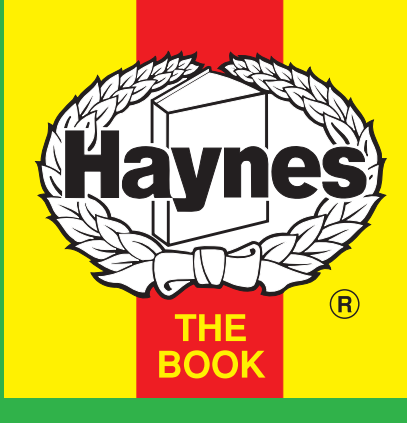


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive
Technical
DATA
BOOK

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
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Engine and cooling system924S1988

Type		M44/09
Capacity (cm³) / number of cylinders		2479 / 4
Compression ratio / pressure	bar	10.2 / _
Oil pressure	bar	[3.5]
Oil temperature	°C	80 to 100
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	81 to 85
Radiator cap pressure	bar	0.90 to 1.15

Fuel system924S1988

Idle speed - manual [auto]	rpm	840±40
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		DME Motronic
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	2.0
Octane rating	RON	95[E 95 RON]

Ignition system924S1988

Type		DME Motronic
Ignition coil		Bosch
Primary resistance	ohms	0.4 to 0.6
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	10±3 BTDC @ 840±40
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° 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 / RN9YCC
Electrode gap	mm	0.70 to 0.80

Electrical system924S1988

Battery	V / CC / RC	12 / 265 / 80
Alternator voltage / full load current / engine rpm		14.0 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear924S1988

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.5

Tyres		
Saloon	Size	195/65x15: 205/55x16
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.5
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±0.5
Camber		-20'±15'
Castor		+2°30'-15'+30'
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0 PW
Camber		-25'±30'

Torque wrench settings924S1988

Cylinder head - stage 1	Nm	20 oiled
- stage 2	Nm	50
Cylinder head - stage 3	Nm	90
- stage 4	Nm	_
Big-end bearings	Nm	Smooth bearing: 57 ¹
Main bearings	Nm	WSM
Clutch cover	Nm	32
Flywheel [driveplate]	Nm	90
Front hubs	Nm	WSM
Rear hubs	Nm	380±70
Wheel nuts / bolts	Nm	130
Spark plugs	Nm	30

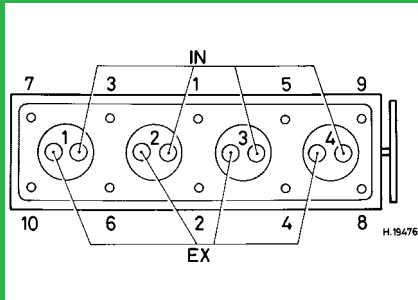
Capacities924S1988

Engine oil & filter	litres	6.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	6.0
Final drive	litres	AT: 1.0
Cooling system	litres	8.5
Fuel tank	litres	66

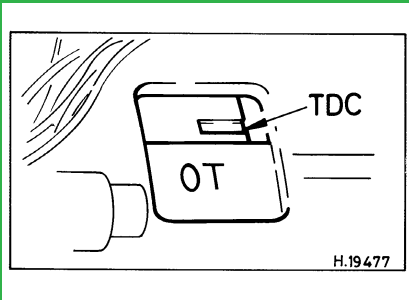
Notes and Illustrations

¹Ribbed bearing: 75

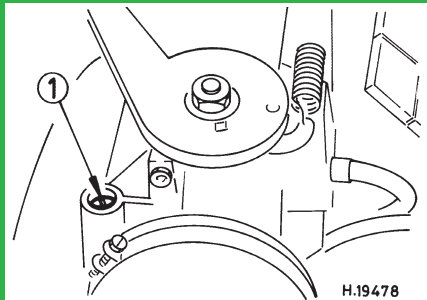
1: Idle speed 2: CO / Mixture



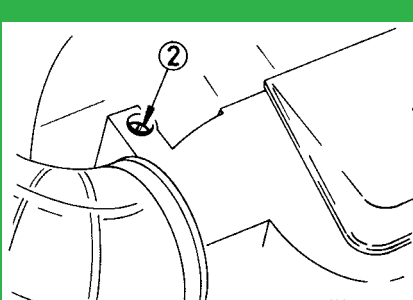
2479 cm³



2479 cm³



DME Motronic



DME Motronic