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 system

		944	1988
Type		M44 /09	
Capacity (cm³) / number of cylinders		2479 / 4	
Compression ratio / pressure	bar	10.2 / ≥10.0	
Oil pressure	bar	[3.5]	
Oil temperature	ºC	80	
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	ºC	81 to 85	
Radiator cap pressure	bar	0.90 to 1.15	

Fuel system

		944	1988
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	2.5	
Octane rating	RON	95[E 95 RON]	

Ignition system

		944	1988
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	º (%)	_	
Condenser capacity	µF	_	
Rotation		_	
Ignition timing - basic [static	º Crankshaft @ rpm	10±3 BTDC @ 840±40	
V = Vacuum NV = No Vacuum		_	
Total ignition advance	º Crankshaft @ rpm	_	
	º Crankshaft @ rpm	_	
	º Crankshaft @ rpm	_	
Centrifugal check.	º Crankshaft @ rpm	Computer control	
	º Crankshaft @ rpm	_	
	º Crankshaft @ rpm	_	
Vacuum range check	mbar	Computer control	
Maximum vacuum advance	º Crankshaft	_	
Spark plugs		Bosch/Champion	
Type		WR4DC / RN9YCC	
Electrode gap	mm	0.70 to 0.80	

Electrical system

		944	1988
Battery	V / CC / RC	12 / 265 / 80	
Alternator voltage / full load current / engine rpm		_	
Starter motor current / voltage - cranking	A / V	_	
- locked	A / V	_	

Running gear

		944	1988
Brakes -			
Front (min. friction material thickness)	mm	2.0	
Rear (min. friction material thickness)	mm	2.5	
Tyres			
Saloon	Size	195/65x15: 205/55x16:225/50x16	
Estate / Van	Size	_	
Pressure - front / rear - Saloon	bar	2.0 / 2.5	
- Estate / Van	bar	_	
Front suspension / wheel alignment			
Toe-in (+) / Toe-out (–)	mm [º]	+1.0±0.5	
Camber		-20'±15'	
Castor		+2°30'-15'+30'	
King pin inclination		_	
Rear suspension / wheel alignment			
Toe-in (+) / Toe-out (–)	mm [º]	0±1.0 PW	
Camber		-25'±30'	

Torque wrench settings

		944	1988
Cylinder head - stage 1	Nm	20 oiled	
- stage 2	Nm	50	
Cylinder head - stage 3	Nm	90, leave 30 minutes	
- stage 4	Nm	- 90°, then 90	
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	

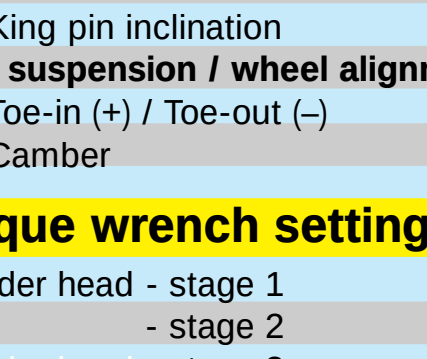
Capacities

		944	1988
Engine oil & filter	litres	6.0	
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	80	

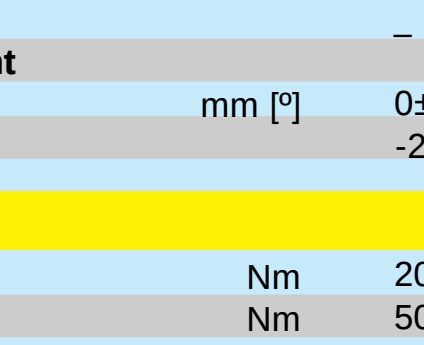
Notes and Illustrations

[1]**Ribbed bearing: 75**

1: Idle speed 2: CO / Mixture



2479 cm³, 8V



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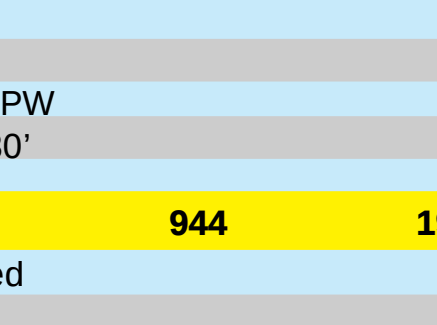
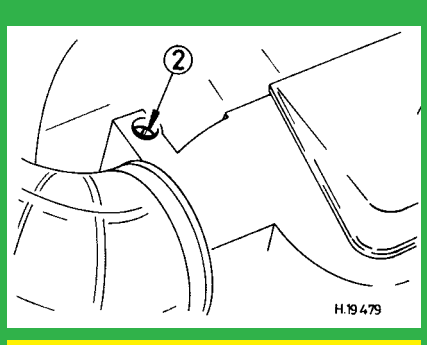


DME Motronic, 8V



DME Motronic, 8V