Excel

			1982 to 1990	
Engine & Fuel Ignition Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
<image/> <image/> <text></text>	cal		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			Excel 1	<mark>982 to 1990</mark>
Type Capacity (cm ³) / number of cylinders Compression ratio / pressure Oil pressure Oil temperature	bar bar °C	 2173 / 4 9.4 / ≥11.0 0.35 [2.4] 80		
Valve clearance - inlet Valve clearance - exhaust Firing order No 1 cylinder position	mm mm	0.13 to 0.18 0.25 to 0.31 1-3-4-2 F		
Thermostat opening temperature Radiator cap pressure Fuel system	°C bar	82 0.7	Excel 1	982 to 1990
Idle speed - manual [auto] Fast idle speed - manual [auto] CO @ idle speed [3000 rpm] - see page VI HC @ idle speed [3000 rpm] - see page VI CO2 @ idle speed [3000 rpm] - see page VI O2 @ idle speed [3000 rpm] - see page VI Carburettor / fuel injection Type / ref Main jet / needle Injection pressure Pump pressure	rpm rpm % ppm % %	900 to 1000 		
Octane rating Ignition system	RON	97[E 98 RON]		
Type Ignition coil Primary resistance Ballast resistor Voltage - Tmnl 15(+) to earth Distributor Points gap (air gap) Dwell angle Condenser capacity Rotation	ohms ohms V mm ° (%) µF	Electronic Lucas 32C5 ≤1.0 below ba Lucas [0.2 to 0.35] 60±3 Anticlockwise 9 BTDC @ idl V	attery voltage	982 to 1990
 ^o Cranksh ^o Cranksh ^o Cranksh ^o Cranksh ^o Cranksh ^o Cranksh 	haft @ rpm haft @ rpm haft @ rpm haft @ rpm haft @ rpm haft @ rpm haft @ rpm mbar	25 BTDC @ 3 - 0 @ 1000 8 @ 2000 16 @ 3000	500 to 4000	
	Crankshaft	22 NGK/Champi BPR6ES / RN 0.90		
Electrical system		0.70	Excel 1	982 to 1990
Battery V Alternator voltage / full load current / engine r Starter motor current / voltage - cranking - locked	/ CC / RC pm A / V A / V	12 / 55Ah _ _ _		
Running gear Brakes -			Excel 1	<mark>982 to 1990</mark>
Front (min. friction material thickness) Rear (min. friction material thickness) Tyres Saloon Estate / Van Pressure - front / rear - Saloon - Estate / Van	mm mm Size Size bar bar	2.0 2.0 205/60x14 		
Front suspension / wheel alignment Toe-in (+) / Toe-out (-) Camber Castor King pin inclination Rear suspension / wheel alignment	mm [º]	- +3.2 -30'±30' +3°30' to 4°3 +8°30' to 9°3		
Toe-in (+) / Toe-out (-) Camber	mm [°]	+1.6 to 4.0 -30'±30'		
Torque wrench settings Cylinder head - stage 1 - stage 2 Cylinder head - stage 3 - stage 4 Big-end bearings	Nm Nm Nm Nm Nm	Front & rear p 3 centre pairs - 114 to 117	pairs: 97¹	982 to 1990
Main bearings Clutch cover Flywheel [driveplate] Front hubs Rear hubs Wheel nuts / bolts Spark plugs	Nm Nm Nm Nm Nm Nm Nm Nm	M12: 88. M8: 23 to 26 75 29 WSM 100 33 to 38	20	
Capacities Engine oil & filter Gearbox - 4-speed [5-speed] Automatic transmission - refill	litres litres litres	5.0 2.5 2.7	Excel 1	982 to 1990
Final drive Cooling system Fuel tank	litres litres litres	1.2 8.5 67		

LOTUS

Notes and Illustrations

¹Tighten evenly and gradually to these figures

1: Idle speed 2: CO / Mixture

