



HELP

type		MA 2000
Capacity (cm ³) / number of cylinders		1970 / 4
Compression ratio / pressure	bar	8.6 / ≥8.8
Oil pressure	bar	[3.5 to 4.4]
Oil temperature	°C	—
Valve clearance - inlet	mm	0.30 H
Valve clearance - exhaust	mm	0.30 H
Firing order		1-3-4-2
No 1 cylinder position		TCE
Thermostat opening temperature	°C	82±1.5
Radiator cap pressure	bar	0.9+0.1

Idle speed - manual [auto]	rpm	700 to 750
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	2.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Hitachi
Type / ref		2V
Main jet / needle		104, 160
Injection pressure	bar	—
Pump pressure	bar	0.19 to 0.26
Octane rating	RON	91/11 J ¹

Type		Contact breaker - CIS
Ignition coil		
Primary resistance	ohms	1.5
Ballast resistor	ohms	1.6
Voltage - Tmnl 15(+) to earth	V	—
Distributor		
Points gap (air gap)	mm	0.45 to 0.55
Dwell angle	° (%)	49 to 55
Condenser capacity	μF	0.20 to 0.24
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	8±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0±1 @ 1100
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	20 to 24 @ 5500
Vacuum range check	mbar	240 to 620
Maximum vacuum advance	° Crankshaft	13 to 17
Spark plugs		NGK/Champion
Type		BPR6ES / RN9YC
Electrode gap	mm	0.75 to 0.85

Battery	V / CC / RC	12 / 160 / 70
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / _ / 2000
Starter motor current / voltage - cranking	A / V	_ / 12-15

Running gear		2000 & 929L	1979 to 1988
Brakes -			
Front (min. friction material thickness)	mm	1.0	
Rear (min. friction material thickness)	mm	1.0	

Saloon	Size	—
Estate / Van	Size	175x14: 195/70x14
Pressure - front / rear - Saloon	bar	—
Pressure - front / rear - Estate / Van	bar	1.8 / 2.2

Toe-in (+) / Toe-out (-)	mm [°]	0 to +6.0
Camber		+1°10'±30' [PAS: +1°20'±30']
Castor		+1°55'±45' [PAS: +2°10'±45']
King pin inclination		+0°25' [PAS: +0°25']

Toe-in (+) / Toe-out (-)	mm [°]	-
Camber		

Torque wrench settings		2000 & 929L	1979 to 1988
Cylinder head - stage 1	Nm	76 to 80	
- stage 2	Nm	—	
Cylinder head - stage 3	Nm	—	
- stage 4	Nm	—	
Big-end bearings	Nm	30 to 34	
Main bearings	Nm	65 to 69	
Clutch cover	Nm	18 to 26	
Flywheel [driveplate]	Nm	152 to 160	
Front hubs	Nm	WSM	
Rear hubs	Nm	—	
Wheel nuts / bolts	Nm	88 to 108	
Camshaft	Nm	15 to 22	

Capacities		2000 & 929L	1979 to 1988
Engine oil & filter	litres	4.4	
Gearbox - 4-speed [5-speed]	litres	1.4 [1.7]	
Automatic transmission - refill	litres	6.2	
Final drive	litres	1.2	
Cooling system	litres	7.5	
Fuel tank	litres	65	

¹12.81 ▶: [E 91 RON]

1970 cm³

