

HELP

Type		146 A8.000 SOHC. 85kW
Capacity (cm ³) / number of cylinders		1372 / 4
Compression ratio / pressure	bar	7.8±0.1 / —
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.40±0.05
Valve clearance - exhaust	mm	0.50±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

		One turbo (1972)	1990 to 1992
Idle speed - manual [auto]	rpm	800 to 850	
Fast idle speed - manual [auto]	rpm	–	
CO @ idle speed [3000 rpm] - see page VI	%	1.2±0.3	
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		L3.1-Jetronic + Turbo	
Main jet / needle		–	
Injection pressure	bar	3.0±0.2	
Pump pressure	bar	≤6.0	
Octane rating	RON	98[E 95 RON]	

Ignition system		One turbo le (1372)	1990 to 1992
Type		Microplex	
Ignition coil		Marelli BAE 504DK	
Primary resistance	ohms	0.405 to 0.495	
Ballast resistor	ohms	—	
Voltage - Tmnl 15(+) to earth	V	—	
Distributor		Marelli	
Points gap (air gap)	mm	—	
Dwell angle	° (%)	—	
Condenser capacity	µF	—	
Rotation		Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	10±2 BTDC @ idle	
V = Vacuum NV = No Vacuum		NV	
Total ignition advance	° Crankshaft @ rpm	10±2 @ 800 to 850	
	° Crankshaft @ rpm	34±2 @ 4000 to 6000	
	° 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		FR6DTC / RC7BYC4	
Electrode gap	mm	0.80 to 1.00	

Battery	V / CC / RC	12 / 255 / 45Ah
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / 65 / 3000
Starter motor current / voltage - cranking	A / V	190 to 200 / 9.8 to 10.4

Running gear		Uno Turbo ie (1372)	1990 to 1992
Brakes -			
Front (min. friction material thickness)	mm	1.5	
Rear (min. friction material thickness)	mm	1.5	

Saloon	Size	175/60x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	

Toe-in (+) / Toe-out (-)	mm [°]	+1.0±1.0
Camber		-30'±30' N/A
Castor		+2°±15'
King pin inclination		-

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

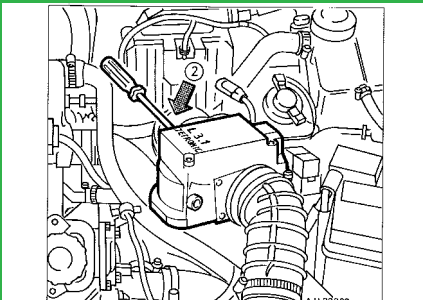
Torque wrench settings		Uno Turbo ie (1372)	1990 to 1992
Cylinder head - stage 1	Nm	20 ¹	
- stage 2	Nm	40 ¹	
Cylinder head - stage 3	Nm	+ 90 ^{o1}	
- stage 4	Nm	+ 90 ^{o1}	
Big-end bearings	Nm	51	
Main bearings	Nm	80	
Clutch cover	Nm	16	
Flywheel [driveplate]	Nm	83	
Front hubs	Nm	294	
Rear hubs	Nm	216	
Wheel nuts / bolts	Nm	86	
Spark plugs	Nm	25 to 30	

Capacities		Uno Turbo ie (1372)	1990 to 1992
Engine oil & filter	litres	4.1	
Gearbox - 4-speed [5-speed]	litres	2.4	
Automatic transmission - refill	litres	—	
Final drive	litres	WT	
Cooling system	litres	7.7	
Fuel tank	litres	50	

Notes and Illustrations

M8 bolts: 30

1: Idle speed 2: CO / Mixture



L3.1-Jetronic