

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
------------------	------	----------	------------	--------------	-----------------	------------	-----------------------



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

Uno Turbo ie CAT 1991 to 1994

Type		146 A8.046 SOHC 82kW US83
Capacity (cm ³) / number of cylinders		1372 / 4
Compression ratio / pressure	bar	7.8+0.1-0.2 / _
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	85 to 89
Radiator cap pressure	bar	0.98

Une Turbo is CAT 1991 to 1994

Fuel system		Ono Turbo le CAT	1991 to 1994
Idle speed - manual [auto]	rpm	800 to 900	
Fast idle speed - manual [auto]	rpm	—	
CO @ idle speed [3000 rpm] - see page VI	%	0.4 to 1.0. Ex: ≤0.35	
HC @ idle speed [3000 rpm] - see page VI	ppm	≤600. Ex: ≤90	
CO2 @ idle speed [3000 rpm] - see page VI	%	≥13.0	
O2 @ idle speed [3000 rpm] - see page VI	%	—	
Carburettor / fuel injection		Bosch	
Type / ref		L3.2-Jetronic + Turbo	
Main jet / needle		—	
Injection pressure	bar	3.0±0.2	
Pump pressure	bar	5.0	
Octane rating	RON	95[11]	

Ignition system		Uno Turbo ie CAT	1991 to 1994
Type		Microplex Static	
Ignition coil		Marelli AEI 600C	
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	5±2 BTDC @ 900±50 N/A	
V = Vacuum NV = No Vacuum		—	
Total ignition advance	° Crankshaft @ rpm	≤34±1.5 BTDC	
	° 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		Champion	
Type		RC7BYC4	
Electrode gap	mm	0.80 to 1.00	

Une Turbo je GAT 1991 to 1994

Electrical System		Ono Turbo Le CAT	1991 to 1994
Battery	V / CC / RC	12 / 225 / 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	

60 to 440 / 7.6 to 8.5

Running

Brakes -		
Front (min. friction material thickness)	mm	1.5

R

Rear (min. friction material thickness)		mm	110
Tyres			
Saloon	Size	175/60x13	

Estate / Van

Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±1.0

Camber	-30'±30' N/A
--------	--------------

Castor
King pin inclination

King pin inclination	—
Rear suspension / wheel alignment	

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

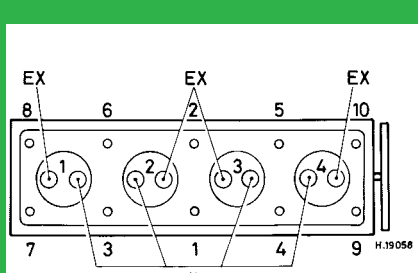
1991-1994

Torque wrench settings		Uno Turbo ie CAT	1991 to 1994
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	

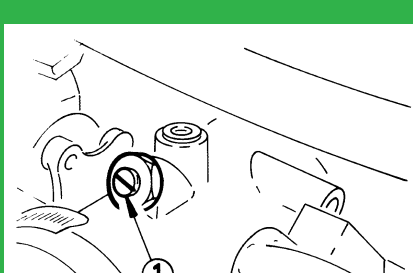
Capacities		Uno Turbo ie CAT	1991 to 1994
Engine oil & filter	litres	4.05	
Gearbox - 4-speed [5-speed]	litres	2.0	

Fuel tank

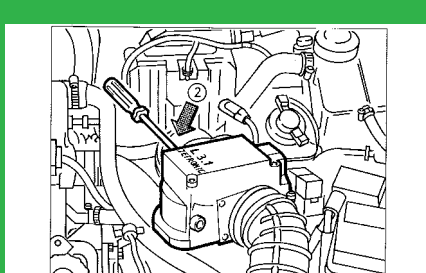
Page 10 of 10



100



100



100%