

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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Engine and cooling system 33, 1.2 1990 to 1992

Type	307.43 SOHC (57kW)	
Capacity (cm ³) / number of cylinders	1186 / 4	
Compression ratio / pressure	bar	9.1 / 10.3
Oil pressure	bar	1.2 to 2.8
Oil temperature	°C	90
Valve clearance - inlet	mm	0.35 to 0.40
Valve clearance - exhaust	mm	0.45 to 0.50
Firing order	1-3-2-4	
No 1 cylinder position	FR	
Thermostat opening temperature	°C	84 to 88
Radiator cap pressure	bar	0.9 to 1.1

Fuel system 33, 1.2 1990 to 1992

Idle speed - manual [auto]	rpm	850 to 1000
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	—
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	Weber/Dellorto	
Type / ref	W: 2x40IDF68/9. D: DRLA40FD/S	
Main jet / needle	W: 140. D: 142	
Injection pressure	bar	—
Pump pressure	bar	0.18 to 0.30
Octane rating	RON	95[E 95 RON]

Ignition system 33, 1.2 1990 to 1992

Type	Electronic	
Ignition coil	Bosch	
Primary resistance	ohms	0.7 to 1.0
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	12.0
Distributor	—	
Points gap (air gap)	mm	[0.40 to 0.50]
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	8±1 BTDC @ 900 (1st mark)
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	34 BTDC @ 4500 (2nd mark)
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 500
	° Crankshaft @ rpm	19 to 24 @ 3000
	° Crankshaft @ rpm	22 to 26 @ 6000
Vacuum range check	mbar	150 to 400
Maximum vacuum advance	° Crankshaft	11 to 15
Spark plugs	Champion	
Type	N6YCC	
Electrode gap	mm	0.80

Electrical system 33, 1.2 1990 to 1992

Battery	V / CC / RC	12 / 255 / 50Ah
Alternator voltage / full load current / engine rpm	14.0 / 55 / 4000	
Starter motor current / voltage - cranking	A / V	300 / 9.0
- locked	A / V	400 / 5.0

Running gear 33, 1.2 1990 to 1992

Brakes -		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	0.50

Tyres		
Saloon	Size	165/70x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.8 / 1.8
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-4.0±2.0
Camber	+1°14'±30'	
Castor	+2°±30'	
King pin inclination	—	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[0±25']
Camber	0±25'	

Torque wrench settings 33, 1.2 1990 to 1992

Cylinder head - stage 1	Nm	29 oiled
- stage 2	Nm	58
Cylinder head - stage 3	Nm	81 to 87
- stage 4	Nm	81 to 87 ¹
Big-end bearings	Nm	43 to 48
Main bearings	Nm	66 to 73 oiled ²
Clutch cover	Nm	15 to 23
Flywheel [driveplate]	Nm	94 to 105 oiled
Front hubs	Nm	427 to 472
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	88 to 108
Spark plugs	Nm	25 to 34

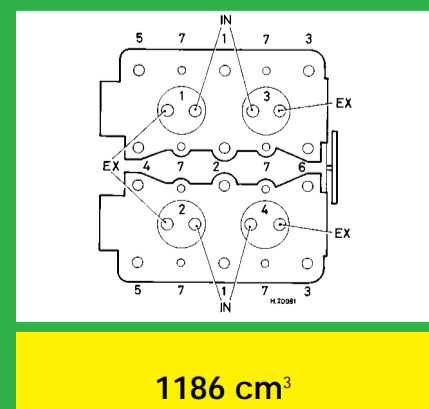
Capacities 33, 1.2 1990 to 1992

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	2.6
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.8
Fuel tank	litres	50

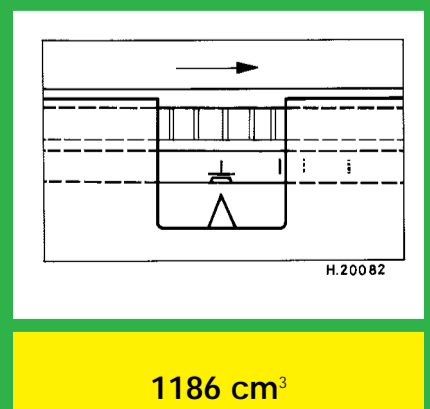
Notes and Illustrations

¹Warm engine, cool, slacken, oil, and retorque bolts in sequence shown to stage 4. No.7: 20 to 24
²Transverse screws: 40 to 49

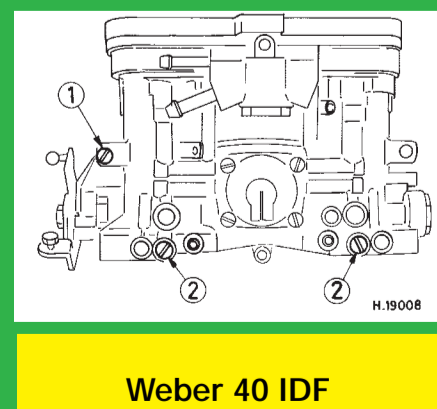
1: Idle speed 2: CO / Mixture



1186 cm³



1186 cm³



Weber 40 IDF



Dellorto DRLA