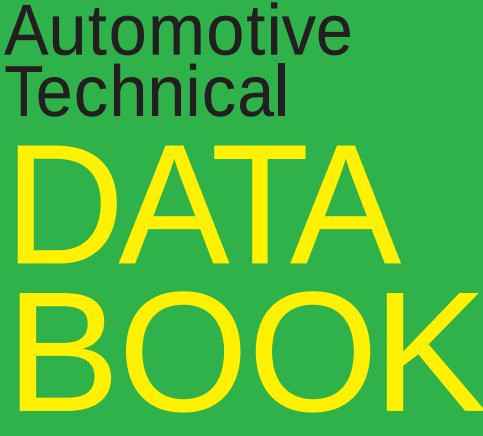




HELP

Engine and cooling system	Tipo 1.4 & Selecta	1990 to 1992
Type	1500 cc 1200 SOHC 56kW	

Capacity (cm ³) / number of cylinders		1372 / 4
Compression ratio / pressure	bar	9.2±0.5 / —
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

Fuel system	Tipo 1.4 & Selecta	1990 to 1992
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Idle speed - manual [auto]	rpm	850±50 [950±50]
Fast idle speed - manual [auto]	rpm	1300±50
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.5 [1.25±0.25]
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		Weber
Type / ref		32-34 TLDE 21/151 [22/750]
Main jet / needle		110, 123 [110, 122]
Injection pressure	bar	—
Pump pressure	bar	0.18
Octane rating	RON	97[E 95 RON]

Ignition system	Tipo 1.4 & Selecta	1990 to 1992
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Type		Electronic
Ignition coil		Marelli BAE 506D
Primary resistance	ohms	0.666 to 0.814
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Marelli
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		—
Ignition timing - basic [static	° Crankshaft @ rpm	10±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0±2 @ 1250±200
	° Crankshaft @ rpm	12±2 @ 2100±200
	° Crankshaft @ rpm	24±2 @ 5250±200
Vacuum range check	mbar	200 to 413
Maximum vacuum advance	° Crankshaft	12±2
Spark plugs		Bosch/Champion
Type		WR7DC / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical system	Tipo 1.4 & Selecta	1990 to 1992
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Battery	V / CC / RC	12 / 185 / 40 or / 200 / 40
Alternator voltage / full load current / engine rpm		14.0 to 14.6 / 55, 90 / 3500
Starter motor current / voltage - cranking	A / V	160 to 180 / 9.4 to 9.6

Running gear		Time 1.4 & Selects		1990 to 1993	
locked	ATV	51077.5			

Running gear		Typo 1.4 & Selecta	1990 to 1992
Brakes -			
Front (min. friction material thickness)	mm	1.5	
Rear (min. friction material thickness)	mm	1.5	

Real (min. friction material thickness)	mm	1.5
Tyres		

Saloon	Size	165/70x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.0 / 1.9

- Estate / Van	bar	-
Front suspension / wheel alignment		

Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber		+25'±30' N/A
Castor		+1°40'±30'. PAS: +2°20'±30'
King pin inclination		-

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0±2.0
Camber		-1°±30'

Camber	1 - 150
Torque wrench settings	Time 1 & 4 - Selects 1800 to 1823

Torque wrench settings		Typo 1.4 & Selecta	1990 to 1992
Cylinder head - stage 1	Nm	20	
- stage 2	Nm	40	
Cylinder head - stage 3	Nm	+ 90°	
- stage 4	Nm	+ 90°	
Big-end bearings	Nm	51	
Main bearings	Nm	80	
Clutch cover	Nm	M6: 17. M8: 30	
Flywheel [driveplate]	Nm	83	
Front hubs	Nm	235	
Rear hubs	Nm	320	
Wheel nuts / bolts	Nm	86	
Spark plugs	Nm	25 to 30	

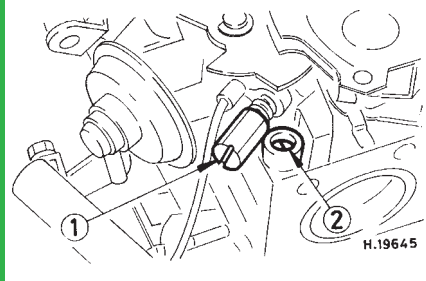
Capacities	Tipo 1.4 & Selecta	1990 to 1992
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Type 174 Selecta		1990 to 1991
Engine oil & filter	litres	3.8
Gearbox - 4-speed [5-speed]	litres	1.4
Automatic transmission - refill	litres	3.5
Final drive	litres	WT
Cooling system	litres	6.5
Fuel tank	litres	55

Notes and Illustrations



1: Idle speed 2: CO / Mixture



Weber TLDE