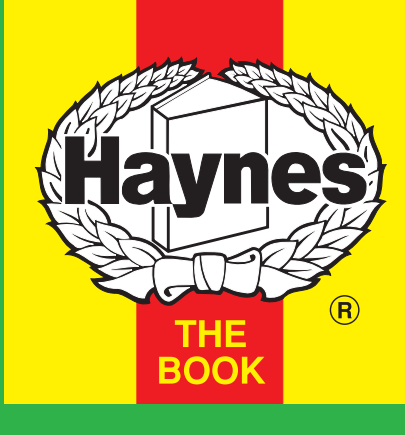




Automotive Technical

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

Engine and cooling system

LT & LT Hi-Torq 2.4i CAT

1990 to 1996

Type		1E. 70kW
Capacity (cm ³) / number of cylinders		2383 / 6
Compression ratio / pressure	bar	8.2 / ≥7.0
Oil pressure	bar	[2.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-5-3-6-2-4
No 1 cylinder position		TBE
Thermostat opening temperature	°C	80
Radiator cap pressure	bar	1.2 to 1.5

Fuel system

LT & LT Hi-Torq 2.4i CAT

1990 to 1996

Idle speed - manual [auto]	rpm	750 to 850
Fast idle speed - manual [auto]	rpm	2500 to 2800
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 [≤0.3] Ex
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Volkswagen
Type / ref		Digifant 1.0 or 1.1
Main jet / needle		—
Injection pressure	bar	2.5
Pump pressure	bar	3.0
Octane rating	RON	91[U]

Ignition system

LT & LT Hi-Torq 2.4i CAT

1990 to 1996

Type		Digifant
Ignition coil		—
Primary resistance	ohms	0.6 to 0.8 Green label:0.5
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		—
Ignition timing - basic [static	° Crankshaft @ rpm	5±1 BTDC @ 2000 to 2500 N/A
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	Computer control
	° 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		Bosch/Champion
Type		W8DTC / N9BYC
Electrode gap	mm	0.70 to 0.90

Electrical system

LT & LT Hi-Torq 2.4i CAT

1990 to 1996

Battery	V / CC / RC	12 / 220 / 75
Alternator voltage / full load current / engine rpm		—
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

LT & LT Hi-Torq 2.4i CAT

1990 to 1996

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.5

Tyres		
Saloon	Size	—
Estate / Van	Size	185x14: 195x14: 205x14: 215x14
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	WSM

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+3.0 to 6.0 ¹
Camber		+40'±20' ²
Castor		+2°30'±40' ³
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	[+20'±40'] ⁴
Camber		0±25' N/A

Torque wrench settings

LT & LT Hi-Torq 2.4i CAT

1990 to 1996

Cylinder head - stage 1	Nm	40
- stage 2	Nm	60
Cylinder head - stage 3	Nm	+ 180°. Warm up
- stage 4	Nm	+ 90°
Big-end bearings	Nm	50 ⁵
Main bearings	Nm	65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	60 + 90° N
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	320. LT28/31: 200
Spark plugs	Nm	25

Capacities

LT & LT Hi-Torq 2.4i CAT

1990 to 1996

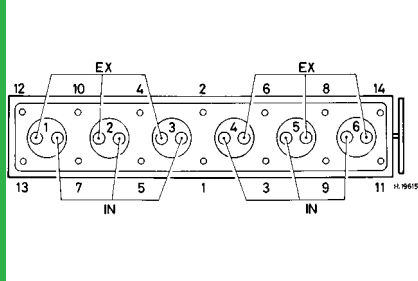
Engine oil & filter	litres	7.0
Gearbox - 4-speed [5-speed]	litres	3.5
Automatic transmission - refill	litres	—
Final drive	litres	1.8 ⁶
Cooling system	litres	12.0
Fuel tank	litres	70, 110

Notes and Illustrations

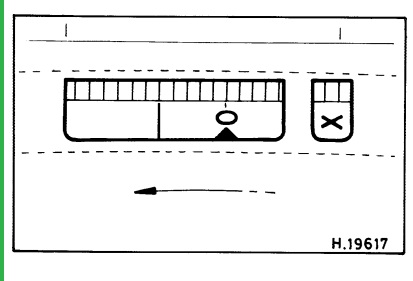
¹LT 40, 45, 50: 0 to +2.2
²LT 40, 45, 50: +10'±35'
³LT 40, 45, 50: +3°25'±20'
⁴LT 40, 45, 50: [0±20']
⁵Stretch bolts: 30 + 180° N
⁶Twin rear wheels: 2.4

1: Idle speed

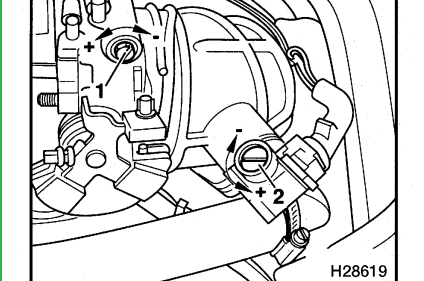
2: CO / Mixture



2383 cm³



2383 cm³



Digifant, 1E