

LEYLAND DAF (LDV)

300, 2000 LC

1986 to 1989

Engine & Cooling

Fuel

Ignition

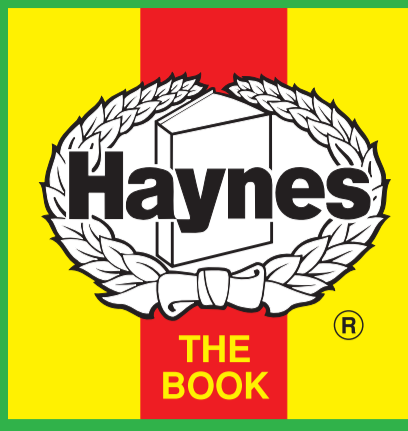
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical DATA BOOK

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Engine and cooling system 300, 2000 LC 1986 to 1989

Type		20V LC
Capacity (cm ³) / number of cylinders		1994 / 4
Compression ratio / pressure	bar	8.0 / 10.3
Oil pressure	bar	[3.8 to 5.5]
Oil temperature	°C	–
Valve clearance - inlet	mm	0.30±0.03
Valve clearance - exhaust	mm	0.30±0.03
Firing order		1-3-4-2
No 1 cylinder position		F
Thermostat opening temperature	°C	82 to 84
Radiator cap pressure	bar	1.0

Fuel system 300, 2000 LC 1986 to 1989

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	1300±50
CO @ idle speed [3000 rpm] - see page VI	%	2.25±1.5
HC @ idle speed [3000 rpm] - see page VI	ppm	–
CO ₂ @ idle speed [3000 rpm] - see page VI	%	–
O ₂ @ idle speed [3000 rpm] - see page VI	%	–
Carburettor / fuel injection		SU
Type / ref		HIF44
Main jet / needle		0.100 / BGN
Injection pressure	bar	–
Pump pressure	bar	–
Octane rating	RON	91[L] ¹

Ignition system 300, 2000 LC 1986 to 1989

Type		Computerized
Ignition coil		Bosch
Primary resistance	ohms	–
Ballast resistor	ohms	–
Voltage - Tmnl 15(+) to earth	V	–
Distributor		Lucas
Points gap (air gap)	mm	–
Dwell angle	° (%)	–
Condenser capacity	µF	–
Rotation		–
Ignition timing - basic [static V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	Computer control
Total ignition advance	° Crankshaft @ rpm	–
Centrifugal check.	° Crankshaft @ rpm	Computer control
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	–
Spark plugs		NGK/Champion
Type		BP6ES / RS9YCC
Electrode gap	mm	0.90

Electrical system 300, 2000 LC 1986 to 1989

Battery	V / CC / RC	12 / 40 or 55Ah
Alternator voltage / full load current / engine rpm		13.5 to 14.4 / _ / 3000
Starter motor current / voltage - cranking	A / V	260 / 8.0
- locked	A / V	460 / 7.0

Running gear 300, 2000 LC 1986 to 1989

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	1.5
Tyres		
Saloon	Size	–
Estate / Van	Size	185x14: 205x14
Pressure - front / rear - Saloon	bar	–
- Estate / Van	bar	WSM
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +1.6
Camber		+1°30'
Castor		+5° (VIN 816953 ▶: +2°)
King pin inclination		+9°30'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	–
Camber		–

Torque wrench settings 300, 2000 LC 1986 to 1989

Cylinder head - stage 1	Nm	47
- stage 2	Nm	81
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	–
Big-end bearings	Nm	52 to 58
Main bearings	Nm	95 to 115
Clutch cover	Nm	23
Flywheel [driveplate]	Nm	80 to 90
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	176 to 277 ²
Spark plugs	Nm	15 to 20

Capacities 300, 2000 LC 1986 to 1989

Engine oil & filter	litres	5.75
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	–
Final drive	litres	1.7. Twin wheel:2.4
Cooling system	litres	6.6
Fuel tank	litres	70. Ch.Cab: 64 ³

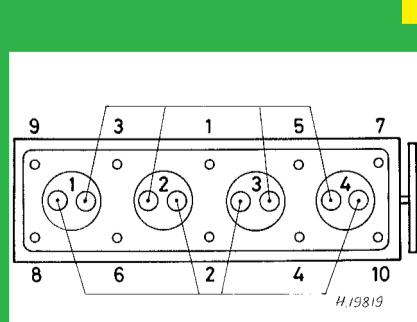
Notes and Illustrations

¹Engine no. 20VC95L104888 (VIN 824044) ▶: [E 91 RON]

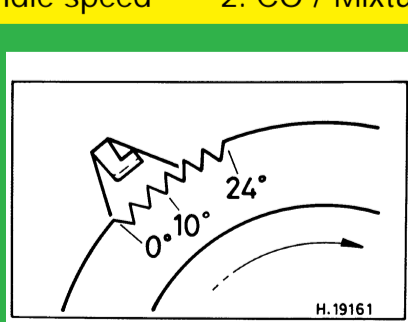
²Single wheel only. Twin wheel models: 230 to 280

³Optional: 102

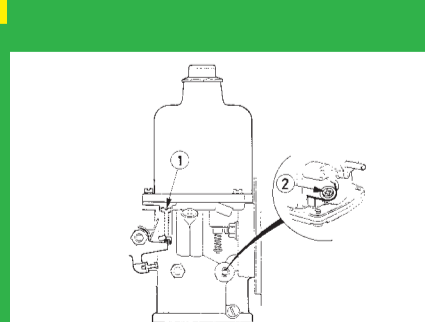
1: Idle speed 2: CO / Mixture



1994 cm³



1994 cm³



SU HIF 44