

LEYLAND DAF (LDV)

300, 400 V8

1988 to 1996

Engine & Cooling

Fuel

Ignition

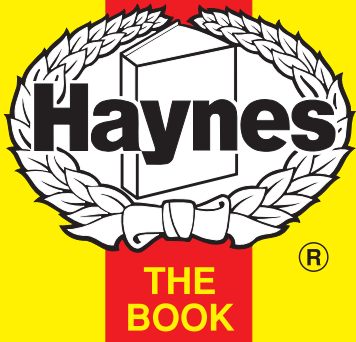
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



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

300, 400 V8

1988 to 1996

Type	V8 106kW	
Capacity (cm ³) / number of cylinders	3528 / 8	
Compression ratio / pressure	bar	8.1 / _
Oil pressure	bar	[2.1 to 2.8]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order	1-8-4-3-6-5-7-2	
No 1 cylinder position	FL	
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	1.03

Fuel system

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Idle speed - manual [auto]	rpm	700 to 800
Fast idle speed - manual [auto]	rpm	1050 to 1150
CO @ idle speed [3000 rpm] - see page VI	%	0.5 to 2.5
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	SU	
Type / ref	2x HIF44	
Main jet / needle	_ / BGC	
Injection pressure	bar	_
Pump pressure	bar	0.34 to 0.40
Octane rating	RON	91[E 91 RON]

Ignition system

300, 400 V8

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Type	Electronic	
Ignition coil	Lucas 32C5 / AC Delco	
Primary resistance	ohms	1.2 to 1.4
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	7.0
Distributor	Lucas	
Points gap (air gap)	mm	[0.20 to 0.35]
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	6±1 BTDC @ 600
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	7 to 11 @ 900
	° Crankshaft @ rpm	16 to 20 @ 3600
	° Crankshaft @ rpm	21 to 25 @ 4600
Vacuum range check	mbar	273 to 680
Maximum vacuum advance	° Crankshaft	5 to 7
Spark plugs	Champion	
Type	RN11YCC	
Electrode gap	mm	0.70 to 0.90

Electrical system

300, 400 V8

1988 to 1996

Battery	V / CC / RC	12 / 40, 63, 68Ah
Alternator voltage / full load current / engine rpm	13.5 to 14.4 / 65, 85 / 3000	
Starter motor current / voltage - cranking	A / V	425 / 8.0
- locked	A / V	650 / 4.0

Running gear

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Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	_
Estate / Van	Size	185x14
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	Refer to vehicle

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

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Cylinder head - stage 1	Nm	88 to 95 EXCEPT...
- stage 2	Nm	...Outer: 54 to 61
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	47 to 54
Main bearings	Nm	¹
Clutch cover	Nm	24 to 30
Flywheel [driveplate]	Nm	74 to 81
Front hubs	Nm	WSM
Rear hubs	Nm	136 to 163
Wheel nuts / bolts	Nm	230 to 280
Spark plugs	Nm	14 to 16

Capacities

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1988 to 1996

Engine oil & filter	litres	5.6
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	1.7. Twin wheel: 2.4
Cooling system	litres	9.7
Fuel tank	litres	70. Ch.Cab: 64 ²

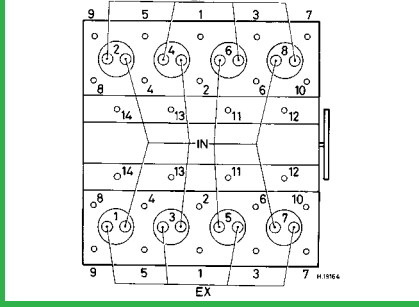
Notes and Illustrations

¹No. 1 to 4: 68 to 75. Others: 88 to 95

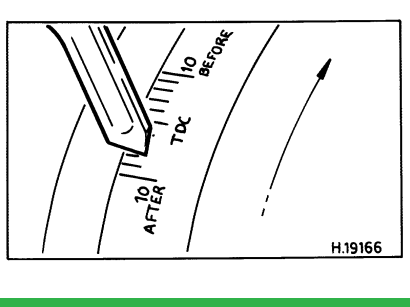
²Optional: 102

1: Idle speed

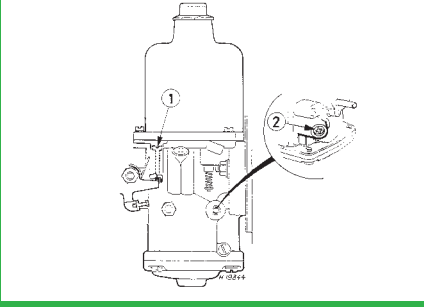
2: CO / Mixture



3528 cm³



3528 cm³



SU HIF 44