

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

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HELP

### Engine and cooling system L300 1994 to 1997

Type	4G63 SOHC 16V 85kW	
Capacity (cm <sup>3</sup> ) / number of cylinders	1997 / 4	
Compression ratio / pressure	bar	9.5 / 12.0
Oil pressure	bar	—
Oil temperature	°C	—
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.75 to 1.05

### Fuel system L300 1994 to 1997

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	≥14.0
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	_Mitsubishi	
Type / ref	MPI	
Main jet / needle	—	
Injection pressure	bar	2.7
Pump pressure	bar	—
Octane rating	RON	95[U]

### Ignition system L300 1994 to 1997

Type	Electronic	
Ignition coil	—	
Primary resistance	ohms	1.08 to 1.32
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	—	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	—	
Ignition timing - basic [static	° Crankshaft @ rpm	5±2 BTDC @ 800±50
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	NGK	
Type	BKR5E-11	
Electrode gap	mm	1.00 to 1.10

### Electrical system L300 1994 to 1997

Battery	V / CC / RC	12 / 52Ah
Alternator voltage / full load current / engine rpm	13.9 to 14.9 / 40A	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

### Running gear L300 1994 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

<b>Tyres</b>		
Saloon	Size	—
Estate / Van	Size	185x14
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	3.0 / 3.0

<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	0.0 to -3.0
Camber	30'±45'	
Castor	3°±1°	
King pin inclination	10°30'	

<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	—
Camber	—	

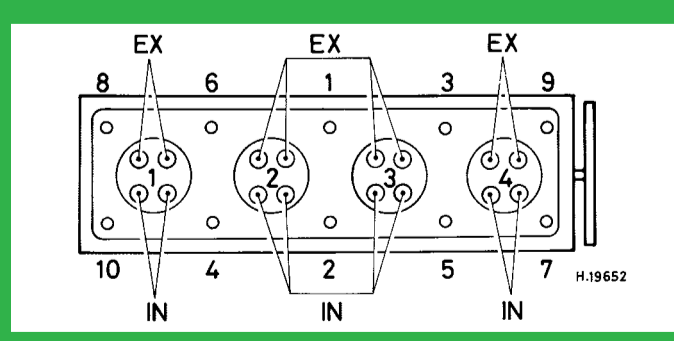
### Torque wrench settings L300 1994 to 1997

Cylinder head - stage 1	Nm	20 Bolts ≤120.4mm
- stage 2	Nm	+90°
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	—
Big-end bearings	Nm	20 +90°
Main bearings	Nm	25 +90°
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	135
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	120 to 140
Spark plugs	Nm	25

### Capacities L300 1994 to 1997

Engine oil & filter	litres	3.8
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	—
Final drive	litres	1.2 to 1.5
Cooling system	litres	8.0
Fuel tank	litres	55

### Notes and Illustrations



1997 cm<sup>3</sup>, 16V