

Engine & Cooling

Fuel

Ignition

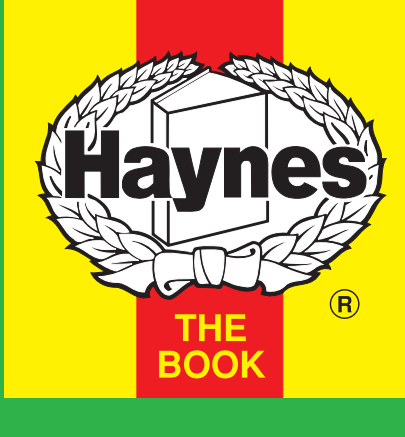
Electrical

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

L300

1994 to 1997

Type		4G63 SOHC 16V 85kW
Capacity (cm ³) / 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
CO2 @ idle speed [3000 rpm] - see page VI	%	≥14.0
O2 @ 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

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

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

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

Rear suspension / wheel alignment		
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

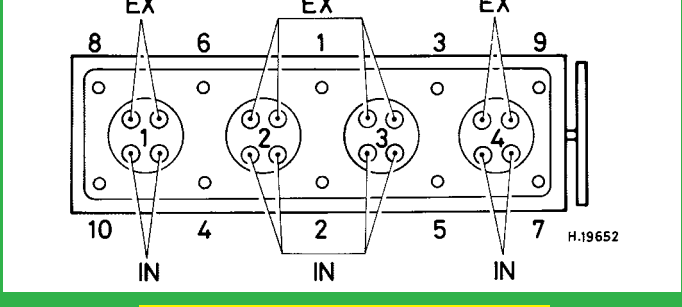
Capacities

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 cm³, 16V