

Engine & Cooling

Fuel

Ignition

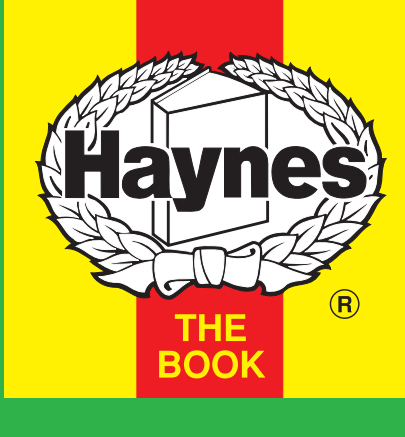
Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling system

3000 GT

1992 to 1997

Type		6G72 24V 210kW
Capacity (cm³) / number of cylinders		2972 / 6
Compression ratio / pressure	bar	8.0 / ≥7.9
Oil pressure	bar	—
Oil temperature	°C	—
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-2-3-4-5-6
No 1 cylinder position		—
Thermostat opening temperature	°C	76.5
Radiator cap pressure	bar	0.76 to 1.04

Fuel system

3000 GT

1992 to 1997

Idle speed - manual [auto]	rpm	700±100
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	≤15
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Mitsubishi
Type / ref		ECI-Multi (E2T 35680)
Main jet / needle		—
Injection pressure	bar	2.6
Pump pressure	bar	3.2 to 3.5
Octane rating	RON	95[U]

Ignition system

3000 GT

1992 to 1997

Type		DIS
Ignition coil		Moulded 3 coil F536
Primary resistance	ohms	0.67 to 0.81
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Mitsubishi
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		—
Ignition timing - basic [static	° Crankshaft @ rpm	5±3 BTDC @ 700±100 WSM
V = Vacuum NV = No Vacuum		NV
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/Nippon Denso
Type		PFR6J-11 / PK20PR-P11
Electrode gap	mm	1.00 to 1.10

Electrical system

3000 GT

1992 to 1997

Battery	V / CC / RC	12 / 110Ah
Alternator voltage / full load current / engine rpm		13.9 to 14.9 / 77 / 2500
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

3000 GT

1992 to 1997

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

Tyres		
Saloon	Size	225/50x17
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 2.0
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-3.0 to +3.0
Camber		0±30'
Castor		+3°55'±30'
King pin inclination		+14°2', not electronic

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-2.0 to +3.0
Camber		-10'±30'

Torque wrench settings

3000 GT

1992 to 1997

Cylinder head - stage 1	Nm	120 to 130
- stage 2	Nm	—
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	52
Main bearings	Nm	Mark 9: 80 ¹
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	73 to 77
Front hubs	Nm	200 to 260
Rear hubs	Nm	260 to 300
Wheel nuts / bolts	Nm	120 to 140
Spark plugs	Nm	20 to 30

Capacities

3000 GT

1992 to 1997

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	—
Final drive	litres	Transfer: 0.3
Cooling system	litres	8.0
Fuel tank	litres	75

Notes and Illustrations

¹Mark 10: 95

