

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 Paseo 1.5 (EL54) 1996 to 1997

Type	5E-FE DOHC 16V 66kW	
Capacity (cm ³) / number of cylinders	1497 / 4	
Compression ratio / pressure	bar	_ / ≥10.0
Oil pressure	bar	≥0.3 [2.5 to 5.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.15 to 0.25
- exhaust	mm	0.31 to 0.41
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	74.5 to 78.5
Radiator cap pressure	bar	0.75 to 1.05

Fuel system Paseo 1.5 (EL54) 1996 to 1997

Idle speed - manual [auto]	rpm	650 to 750
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 ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	_Toyota	
Type / ref	MPI	
Main jet / needle	_	
Injection pressure	bar	2.2 to 2.6
Pump pressure	bar	2.87 to 2.93
Octane rating	RON	95[U]

Ignition system Paseo 1.5 (EL54) 1996 to 1997

Type	Electronic	
Ignition coil	_	
Primary resistance	ohms	1.11 to 1.75
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	_	
Points gap (air gap)	mm	[0.20 to 0.40]
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	_	
Ignition timing - basic [static	° Crankshaft @ rpm	8° to 12° BTDC @ 650 to 750
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	Nippon Denso/NGK	
Type	PK16R8 / BKR5EP8	
Electrode gap	mm	1.00

Electrical system Paseo 1.5 (EL54) 1996 to 1997

Battery	V / CC / RC	_
Alternator voltage / full load current / engine rpm	/ 60, 70 /	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear Paseo 1.5 (EL54) 1996 to 1997

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

Tyres		
Saloon	Size	185/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.8 / 1.8
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	1.0±2.0
Camber	-0°25'±45'	
Castor	1°30'±45'	
King pin inclination	12°15'±45'	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	3.4±3.4
Camber	-0°30'±45'	

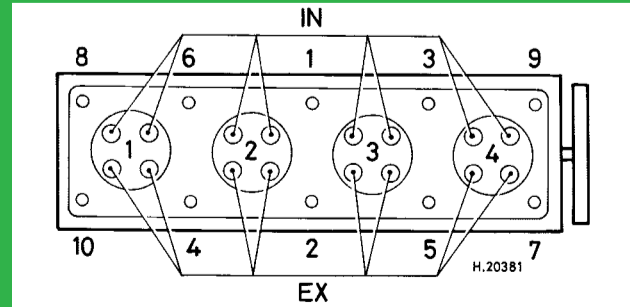
Torque wrench settings Paseo 1.5 (EL54) 1996 to 1997

Cylinder head - stage 1	Nm	45
- stage 2	Nm	+90°
- stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	58
Main bearings	Nm	40
Clutch cover	Nm	19
Flywheel [driveplate]	Nm	90
Front hubs	Nm	216
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	103
Spark plugs	Nm	18

Capacities Paseo 1.5 (EL54) 1996 to 1997

Engine oil & filter	litres	2.8
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	4.9 AT: 5.3
Fuel tank	litres	45

Notes and Illustrations



1497 cm³ 16V