

TOYOTA

Paseo 1.5 (EL54)

1996 to 1997

Engine & Cooling

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Automotive Technical
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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

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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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ 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

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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

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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

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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

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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

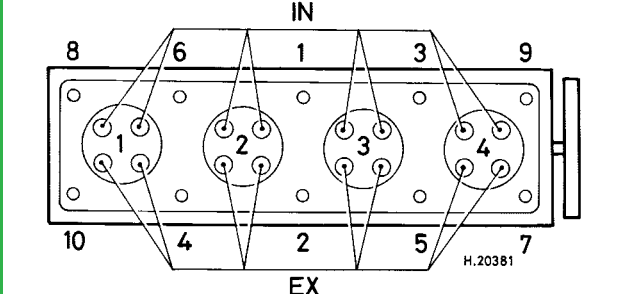
Capacities

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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