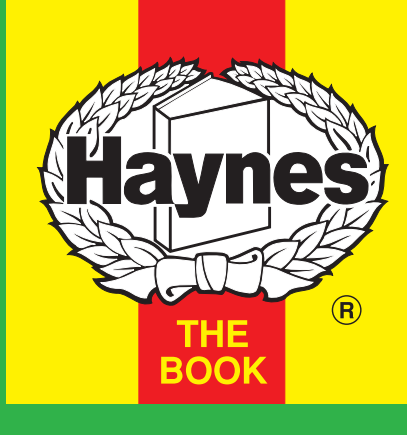


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical
DATA BOOK

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
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Engine and cooling systemCamry 2.21997

Type	5S-FE DOHC 16V 96kW	
Capacity (cm³) / number of cylinders	2164 / 4	
Compression ratio / pressure	bar	9.8 / ≥9.8
Oil pressure	bar	[2.5 to 4.9]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.19 to 0.29
- exhaust	mm	0.28 to 0.38
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	82 to 84
Radiator cap pressure	bar	0.74 to 1.03

Fuel systemCamry 2.21997

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤100
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	—
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemCamry 2.21997

Type	DIS	
Ignition coil	—	
Primary resistance	ohms	—
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	—
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	BKR6EYA-11	
Electrode gap	mm	1.00 to 1.10

Electrical systemCamry 2.21997

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm	—	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearCamry 2.21997

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

Tyres		
Saloon	Size	205/65x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	—
Camber	—	
Castor	—	
King pin inclination	—	

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

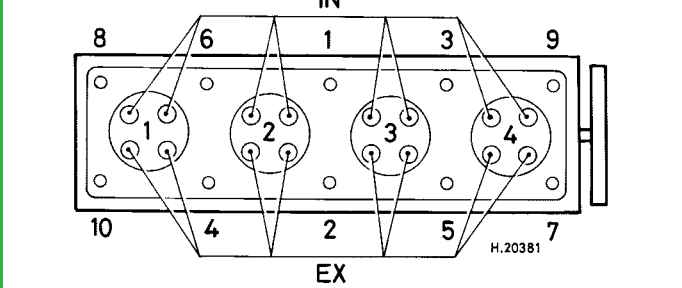
Torque wrench settingsCamry 2.21997

Cylinder head - stage 1	Nm	47
- stage 2	Nm	+ 90°
- stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	25 + 90°
Main bearings	Nm	59
Clutch cover	Nm	19
Flywheel [driveplate]	Nm	88 [83]
Front hubs	Nm	—
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	—
Spark plugs	Nm	18

CapacitiesCamry 2.21997

Engine oil & filter	litres	4.2
Gearbox - 4-speed [5-speed]	litres	2.6
Automatic transmission - refill	litres	5.6
Final drive	litres	WT
Cooling system	litres	6.3
Fuel tank	litres	70

Notes and Illustrations



2164 cm³, 16V