ΤΟΥΟΤΑ

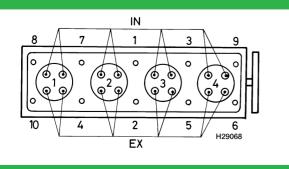
Carina E 1.8 (AT191)

1995 to 1997

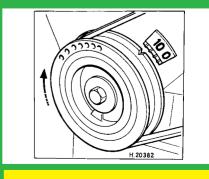
Engine & Fuel Ignition Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
Autom				
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тне ^в)OK		return to this make anoth	screen and her choice,
			click anywh data so	
			MENU	HELP
Engine and cooling system Type Capacity (cm ³) / number of cylinders		Carina E 1.8 7A-FE DOHC 1762 / 4		995 to 1997
Compression ratio / pressure Oil pressure	bar bar	9.5 / ≥10.0 0.3 [2.5 to 5.0	0]	
Oil temperature Valve clearance - inlet - exhaust	°C mm mm	80 0.15 to 0.25 0.25 to 0.35		
Firing order No 1 cylinder position Thermostat opening temperature	°C	1-3-4-2 TBE 80 to 84		
Radiator cap pressure	bar	0.75 to 1.05	(AT101) 1	995 to 1997
Fuel system Idle speed - manual [auto] Fast idle speed - manual [auto]	rpm rpm	Carina E 1.8 700±50 N/A	(ATT91) T	995 10 1997
CO @ idle speed [3000 rpm] - see page VI HC @ idle speed [3000 rpm] - see page VI	% ppm	_ ≤0.3 ≤200		
CO2 @ idle speed [3000 rpm] - see page VI O2 @ idle speed [3000 rpm] - see page VI Carburettor / fuel injection	% %	_ _ _Toyota		
Type / ref Main jet / needle Injection pressure	bar	TCCS MPI 2.1 to 2.6		
Pump pressure Octane rating	bar RON	2.9 95[U]		
Ignition system Type		Carina E 1.8 TCCS - IIA	<mark>(AT191) 1</mark>	995 to 1997
Ignition coil Primary resistance Ballast resistor	ohms ohms	_ 0.36 to 0.65		
Voltage - Tmnl 15(+) to earth Distributor	V			
Points gap (air gap) Dwell angle Condenser capacity	mm ° (%) μF	[0.20 to 0.40] _		
Rotation Ignition timing - basic [static ° Cranks	haft @ rpm	_ _ 10° BTDC @	700±50¹	
	haft @ rpm haft @ rpm	– Computer co	ntrol	
Centrifugal check. ° Cranks	haft @ rpm haft @ rpm haft @ rpm	•		
 Cranks Vacuum range check 	haft @ rpm mbar	_ Computer cc	ntrol	
Maximum vacuum advance ° Spark plugs Type	Crankshaft	– Nippon Dens PK2R13 / BK		
Electrode gap Electrical system	mm	1.3 Carina E 1.8	<mark>(AT191) 1</mark>	995 to 1997
Alternator voltage / full load current / engine		_ / 70 /		
Starter motor current / voltage - cranking - locked	A / V A / V	_ _	(47404)	005 4 4007
Running gear Brakes - Front (min. friction material thickness)	mm	Carina E 1.8	(ATT91) 1	775 10 1997
Rear (min. friction material thickness) Tyres Saloon	mm Size	1.0 175/70x14:18	DE /45 v1 4 · 104	/60v15
Estate / Van Pressure - front / rear - Saloon	Size Size bar	175/70x14 2.3:2.2:2.1 / :		/00/13
- Estate / Van Front suspension / wheel alignment Toe-in (+) / Toe-out (–)	bar mm [º]	2.2 / 2.1 0.0±2.0		
Camber Castor		-0°20′±45′ 0°30′±45′ 13°25′±45′		
King pin inclination Rear suspension / wheel alignment Toe-in (+) / Toe-out (–)	mm [º]	4.0±2.0		
Camber Torque wrench settings		-0°30′±30′ Carina E 1.8	<mark>(AT191) 1</mark>	995 to 1997
Cylinder head - stage 1 - stage 2	Nm Nm	29 +90°		
- stage 3 - stage 4 Big-end bearings	Nm Nm Nm	+90° 25 +90°		
Main bearings Clutch cover	Nm Nm	60 19		
Flywheel [driveplate] Front hubs	Nm Nm	78 226		
Rear hubs Wheel nuts / bolts Spark plugs	Nm Nm Nm	123 103 18		
Capacities		Carina E 1.8	<mark>(AT191) 1</mark>	995 to 1997
Engine oil & filter Gearbox - 4-speed [5-speed]	litres litres	3.7 2.6		
Automatic transmission - refill Final drive Cooling system	litres litres litres	3.1 WT 5.6		
Fuel tank	litres	5.0 60		

Notes and Illustrations

¹TE1 & E1 shorted



1762 cm³, 16V



1762 cm³ 16V