

RENAULT

Clio 1.4 (B/C573/P)

1991 to 1992

Engine & Cooling

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Automotive Technical
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Engine and cooling system

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Type		E6J-7-12 [-7-13]. B57P: -7-18
Capacity (cm ³) / number of cylinders		1390 / 4
Compression ratio / pressure	bar	9.5 (-7-18: 9.25) / _
Oil pressure	bar	1.0 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	86 to 98
Radiator cap pressure	bar	1.2

Fuel system

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Idle speed - manual [auto]	rpm	800±50 [725±25]
Fast idle speed - manual [auto]	rpm	900±50 [1200]
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
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		Weber
Type / ref		32 TLDR4/5, 100/101/102/302
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.33
Octane rating	RON	95[E 95 RON]

Ignition system

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Type		Electronic
Ignition coil		Renix
Primary resistance	ohms	0.4 to 0.8
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	15±1 BTDC @ 800±50
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	7-12/18: RE252. 7-13: RE267
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	13 to 18 @ 750
	° Crankshaft @ rpm	8 to 13 @ 1550
	° Crankshaft @ rpm	24 to 28 @ 4050
Vacuum range check	mbar	0 to 300
Maximum vacuum advance	° Crankshaft	RE252: ≥6. RE267: ≥10
Spark plugs		NGK
Type		BCP5ES
Electrode gap	mm	0.90±0.05

Electrical system

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Battery	V / CC / RC	_
Alternator voltage / full load current / engine rpm		13.5 to 14.8 / 60, 70 / 4000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	460 / _

Running gear

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Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	2.5 with backing

Tyres		
Saloon	Size	165/65x13: 155/80x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.1 / 2.3 ¹
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0 UL
Camber		-20'±30' N/A
Castor		+1°55'±30' N/A
King pin inclination		+10°±30' N/A

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+0.5 to 2.5 N/A
Camber		-50'±30' N/A

Torque wrench settings

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Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 97±2°
Cylinder head - stage 3	Nm	Wait 3 mins. Slacken in turn
- stage 4	Nm	20 + 97±2°
Big-end bearings	Nm	40 to 45
Main bearings	Nm	60 to 65
Clutch cover	Nm	25. M8: 30
Flywheel [driveplate]	Nm	50 to 55
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	_

Capacities

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Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	5.2
Fuel tank	litres	43

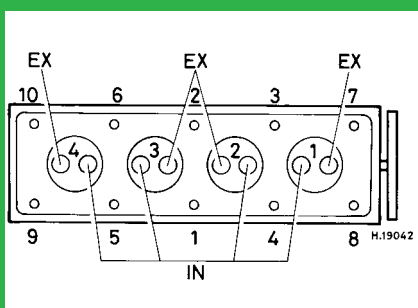
Notes and Illustrations

1

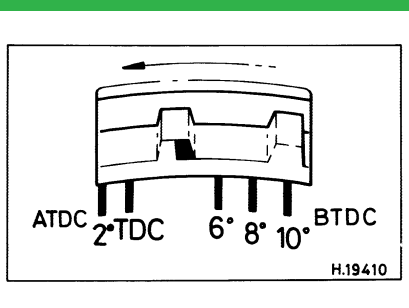
155/80x13: 2.1 / 2.1

1: Idle speed

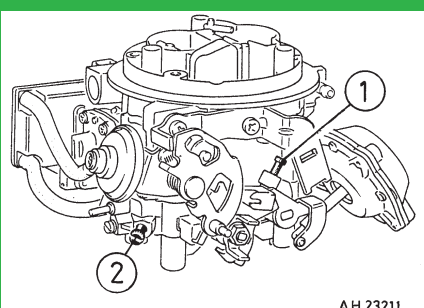
2: CO / Mixture



1390 cm³



1390 cm³



Weber 32 TLDR