

RENAULT

Extra/Express 1.2 (F40F)

1992 to 1995

Engine & Cooling

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Automotive Technical
DATA BOOK

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Engine and cooling system		Extra/Express 1.2 (F40F)	1992 to 1995
Type		C1G-7-26	
Capacity (cm ³) / number of cylinders		1237 / 4	
Compression ratio / pressure	bar	9.2 / _	
Oil pressure	bar	0.7 [3.5]	
Oil temperature	°C	80	
Valve clearance - inlet	mm	0.15	
Valve clearance - exhaust	mm	0.20	
Firing order		1-3-4-2	
No 1 cylinder position		FE	
Thermostat opening temperature	°C	83 to 95	
Radiator cap pressure	bar	0.9	

Fuel system		Extra/Express 1.2 (F40F)	1992 to 1995
Idle speed - manual [auto]	rpm	700±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		Solex	
Type / ref		32 BIS 997	
Main jet / needle		120	
Injection pressure	bar	_	
Pump pressure	bar	0.17 to 0.33	
Octane rating	RON	95[E 95 RON]	

Ignition system		Extra/Express 1.2 (F40F)	1992 to 1995
Type		AEI	
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	6±1 BTDC @ idle	
V = Vacuum NV = No Vacuum		NV	
Total ignition advance	° Crankshaft @ rpm	RE306	
	° Crankshaft @ rpm	_	
	° Crankshaft @ rpm	_	
Centrifugal check.	° Crankshaft @ rpm	4 to 8 @ 750	
	° Crankshaft @ rpm	11 to 17 @ 1550	
	° Crankshaft @ rpm	25 to 31 @ 4050	
Vacuum range check	mbar	0 to 300	
Maximum vacuum advance	° Crankshaft	≥12	
Spark plugs		Eyquem/Champion	
Type		C32LS / N12YC	
Electrode gap	mm	0.75 to 0.85	

Electrical system		Extra/Express 1.2 (F40F)	1992 to 1995
Battery	V / CC / RC	12 / 175 / 60	
Alternator voltage / full load current / engine rpm		13.5 / _ / 3000	
Starter motor current / voltage - cranking	A / V	_	
- locked	A / V	340 to 460 / _	

Running gear		Extra/Express 1.2 (F40F)	1992 to 1995
Brakes -			
Front (min. friction material thickness)	mm	6.0 with backing	
Rear (min. friction material thickness)	mm	2.5 with backing	
Tyres			
Saloon	Size	_	
Estate / Van	Size	155/70x13:155/80x13: 165/70x13	
Pressure - front / rear - Saloon	bar	_	
- Estate / Van	bar	2.1 / 2.5 [†]	

Front suspension / wheel alignment			
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0	
Camber		+30'±30' N/A	
Castor		+2°±30' N/A	
King pin inclination		+12°10'±30' N/A	
Rear suspension / wheel alignment			
Toe-in (+) / Toe-out (-)	mm [°]	0 to +3.0 N/A	
Camber		-50'±30' N/A	

Torque wrench settings		Extra/Express 1.2 (F40F)	1992 to 1995
Cylinder head - stage 1	Nm	55 to 65	
- stage 2	Nm	_	
Cylinder head - stage 3	Nm	_	
- stage 4	Nm	_	
Big-end bearings	Nm	35	
Main bearings	Nm	55 to 65	
Clutch cover	Nm	25	
Flywheel [driveplate]	Nm	50	
Front hubs	Nm	250	
Rear hubs	Nm	175	
Wheel nuts / bolts	Nm	90	
Spark plugs	Nm	_	

Capacities		Extra/Express 1.2 (F40F)	1992 to 1995
Engine oil & filter	litres	3.5	
Gearbox - 4-speed [5-speed]	litres	3.3 [3.4]	
Automatic transmission - refill	litres	_	
Final drive	litres	WT	
Cooling system	litres	4.8	
Fuel tank	litres	43	

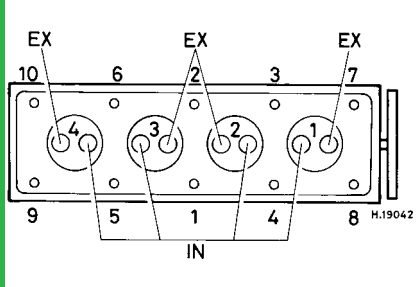
Notes and Illustrations

1

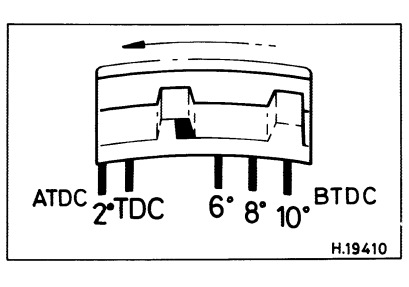
165/70x13: 2.4 / 3.4

1: Idle speed

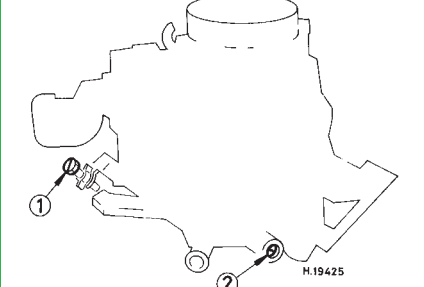
2: CO / Mixture



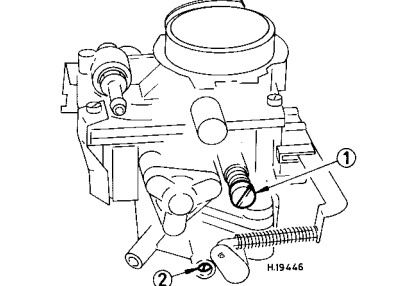
1237 cm³



1237 cm³



Solex 32 BIS



Solex 32 BIS, alternative