

Engine & Cooling

Fuel

Ignition

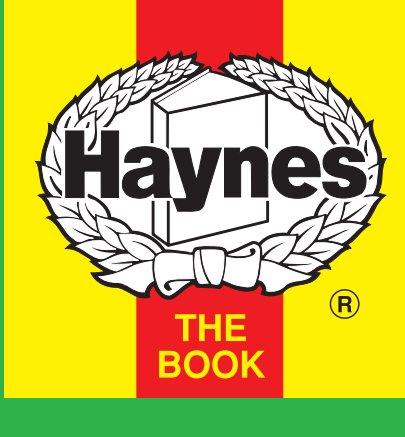
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system

Extra/Express 1.1 (F401/40T)

1992 to 1993

Type	C1E-7-62. F40T: C1E-7-64	
Capacity (cm ³) / number of cylinders	1108 / 4	
Compression ratio / pressure	bar	8.8 / _
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 1.1 (F401/40T)

1992 to 1993

Idle speed - manual [auto]	rpm	700±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Solex	
Type / ref	32BIS 104	
Main jet / needle	115	
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.33
Octane rating	RON	95[E 95 RON]

Ignition system

Extra/Express 1.1 (F401/40T)

1992 to 1993

Type	Contact breaker - CIS	
Ignition coil	Ducellier, SEV	
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Ducellier	
Points gap (air gap)	mm	0.40
Dwell angle	° (%)	57±3 (63±3)
Condenser capacity	µF	_
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	10±1 BTDC @ idle
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	R350-D90
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1300
	° Crankshaft @ rpm	7 to 11 @ 2000
	° Crankshaft @ rpm	28 to 32 @ 4700
Vacuum range check	mbar	133 to 475
Maximum vacuum advance	° Crankshaft	17 to 21
Spark plugs	Bosch/Champion	
Type	W8DC / N281YC ¹	
Electrode gap	mm	0.75 to 0.85

Electrical system

Extra/Express 1.1 (F401/40T)

1992 to 1993

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 1.1 (F401/40T)

1992 to 1993

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	145/80x13: 145/70x13 ²
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	2.1 / 2.5 ³

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 1.1 (F401/40T)

1992 to 1993

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 1.1 (F401/40T)

1992 to 1993

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

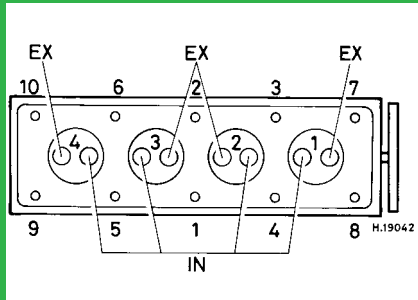
Notes and Illustrations

¹F40T: AC: C42CXLS / Champion: N12YC

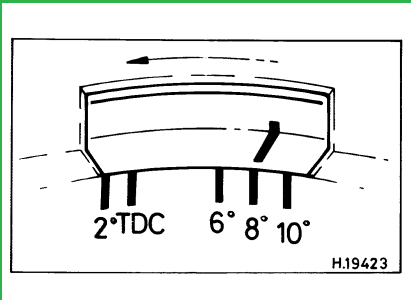
²155/80x13: 165/70x13

³165/70x13: 2.4 / 3.4

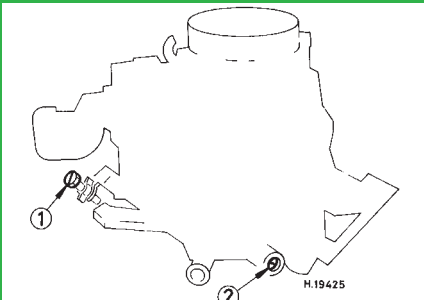
1: Idle speed 2: CO / Mixture



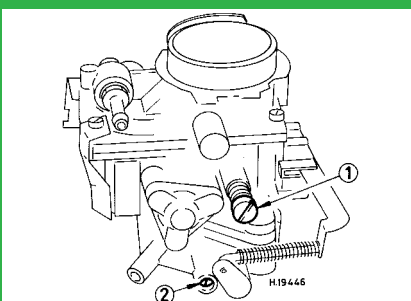
1108 cm³



1108 cm³



Solex 32 BIS



Solex 32 BIS, alternative