

Engine & Cooling

Fuel

Ignition

Electrical

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Automotive Technical
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Engine and cooling systemExtra/Express, 1.0 (F400)1990 to 1992

Type		C1C-B7-06
Capacity (cm ³) / number of cylinders		956 / 4
Compression ratio / pressure	bar	8.6 / _
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
Radiator cap pressure	bar	0.9

Fuel systemExtra/Express, 1.0 (F400)1990 to 1992

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		Zenith
Type / ref		28 IF V05085
Main jet / needle		90
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.33
Octane rating	RON	92[E 98 RON]

Ignition systemExtra/Express, 1.0 (F400)1990 to 1992

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	5±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	R342-D83
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1300
	° Crankshaft @ rpm	12 to 14 @ 2500
	° Crankshaft @ rpm	26 to 29 @ 5000
Vacuum range check	mbar	93 to 239
Maximum vacuum advance	° Crankshaft	12 to 16
Spark plugs		AC/Champion
Type		C42CXLS / N281YC
Electrode gap	mm	0.75 to 0.85

Electrical systemExtra/Express, 1.0 (F400)1990 to 1992

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 gearExtra/Express, 1.0 (F400)1990 to 1992

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	145x13: 145/70x13
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 settingsExtra/Express, 1.0 (F400)1990 to 1992

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	160
Wheel nuts / bolts	Nm	80
Spark plugs	Nm	_

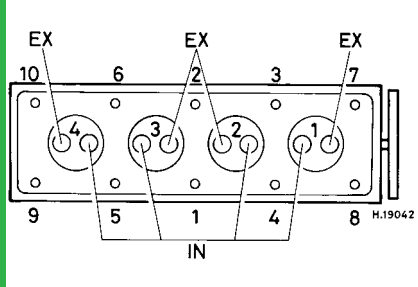
CapacitiesExtra/Express, 1.0 (F400)1990 to 1992

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	3.3
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.5
Fuel tank	litres	43

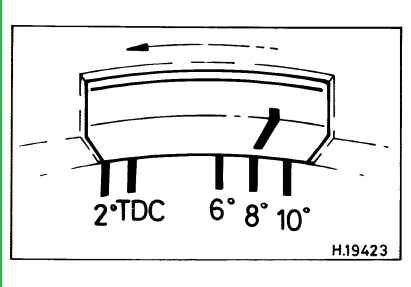
Notes and Illustrations



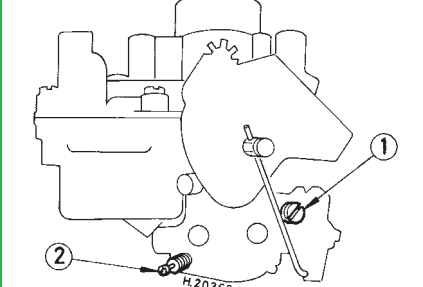
1: Idle speed 2: CO / Mixture



956 cm³



956 cm³



Zenith 28 IF