

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system

Extra/Express 1.4 (F40A/Y)

1992 to 1994

Type		E6J-7-34. F40Y: E6J-7-38
Capacity (cm³) / number of cylinders		1390 / 4
Compression ratio / pressure	bar	9.5 / _
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	0.9

Fuel system

Extra/Express 1.4 (F40A/Y)

1992 to 1994

Idle speed - manual [auto]	rpm	800±50 N/A
Fast idle speed - manual [auto]	rpm	900±50
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		Weber
Type / ref		32 TLDR 4/4C/4D
Main jet / needle		122, 122
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.33
Octane rating	RON	95[E 95 RON]

Ignition system

Extra/Express 1.4 (F40A/Y)

1992 to 1994

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 V = Vacuum NV = No Vacuum	° Crankshaft @ rpm	Computer control
Total ignition advance	° Crankshaft @ rpm	RE252. F40Y: RE290
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	RE252: 13 to 18 @ 750
	° Crankshaft @ rpm	RE252: 8 to 13 @ 1550
	° Crankshaft @ rpm	RE252: 24 to 28 @ 4050
Vacuum range check	mbar	0 to 300 @ 4550
Maximum vacuum advance	° Crankshaft	RE252: 6
Spark plugs		NGK/Eyquem
Type		BCP5ES/FC52LS
Electrode gap	mm	0.85 to 0.95

Electrical system

Extra/Express 1.4 (F40A/Y)

1992 to 1994

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 1.4 (F40A/Y)

1992 to 1994

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 / 2.5¹

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 1.4 (F40A/Y)

1992 to 1994

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
Flywheel [driveplate]	Nm	50 to 55
Front hubs	Nm	250
Rear hubs	Nm	175
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	_

Capacities

Extra/Express 1.4 (F40A/Y)

1992 to 1994

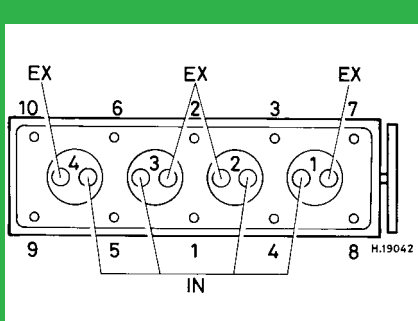
Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	43

Notes and Illustrations

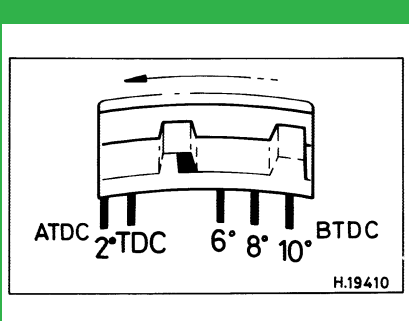
¹165/70x13: 2.4 / 4.2

1: Idle speed

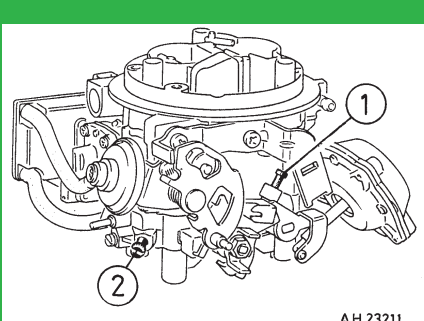
2: CO / Mixture



1390 cm³



1390 cm³



Weber TLDR