

Engine & Cooling

Fuel

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Automotive Technical
DATA BOOK

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Engine and cooling systemEstelle Two 120 & Rapid1984 to 1988

Type		742.12X
Capacity (cm ³) / number of cylinders		1174 / 4
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	[2.0]
Oil temperature	°C	_
Valve clearance - inlet	mm	0.20
- exhaust	mm	0.20
Firing order		1-3-4-2
No 1 cylinder position		TCE
Thermostat opening temperature	°C	78 to 82
Radiator cap pressure	bar	0.4

Fuel systemEstelle Two 120 & Rapid1984 to 1988

Idle speed - manual [auto]	rpm	780 to 830
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	0.8 to 1.5
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		Jikov
Type / ref		32 EDSR (85 ►: SEDR)
Main jet / needle		110, 130 (85 ►: 110, 135)
Injection pressure	bar	_
Pump pressure	bar	0.17
Octane rating	RON	96[R]

Ignition systemEstelle Two 120 & Rapid1984 to 1988

Type		Contact breaker - CIS
Ignition coil		Pal-Magneton
Primary resistance	ohms	2.0
Ballast resistor	ohms	1.5
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	0.35 to 0.45
Dwell angle	° (%)	(55±5)
Condenser capacity	µF	0.2 to 0.25
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	5±2 BTDC @ 600
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1150 to 1400
	° Crankshaft @ rpm	14 to 18 @ 1800
	° Crankshaft @ rpm	26 to 30 @ 3500
Vacuum range check	mbar	133 to 339
Maximum vacuum advance	° Crankshaft	8 to 12
Spark plugs		Pal/Champion
Type		Super N7Y / L82YC
Electrode gap	mm	0.60

Electrical systemEstelle Two 120 & Rapid1984 to 1988

Battery	V / CC / RC	12 / 37Ah
Alternator voltage / full load current / engine rpm		13.4 to 14.3 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	340 / 8.0

Running gearEstelle Two 120 & Rapid1984 to 1988

Brakes -		
Front (min. friction material thickness)	mm	_
Rear (min. friction material thickness)	mm	_

Tyres		
Saloon	Size	165x13: 165/80x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.5 / 1.9
- Estate / Van	bar	_

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber		+1°±30'
Castor		+4°45' to 6°30'
King pin inclination		+8°

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +2.0
Camber		_

Torque wrench settingsEstelle Two 120 & Rapid1984 to 1988

Cylinder head - stage 1	Nm	M10 nut / bolt: 50 AND
- stage 2	Nm	M8 nut: 25 to 28
- stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	25 to 28
Main bearings	Nm	60mm pin:50 to 55 ¹
Clutch cover	Nm	23 to 28
Flywheel [driveplate]	Nm	55 to 65
Front hubs	Nm	WSM
Rear hubs	Nm	200
Wheel nuts / bolts	Nm	60 to 70
Spark plugs	Nm	20 to 30

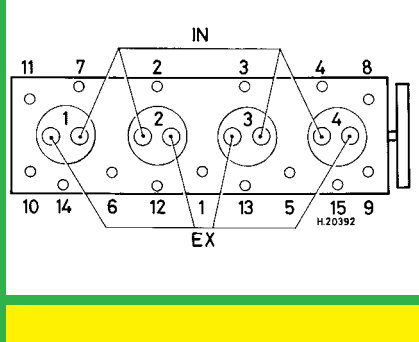
CapacitiesEstelle Two 120 & Rapid1984 to 1988

Engine oil & filter	litres	4.0 [+ cooler 0.6]
Gearbox - 4-speed [5-speed]	litres	1.8 [2.4]
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	11.5
Fuel tank	litres	37. 87 ►: 36

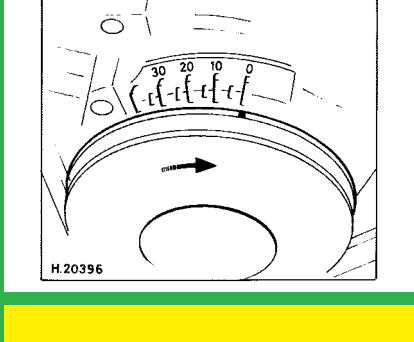
Notes and Illustrations

¹55mm pin: 45 to 50. 5/87 ►: M11, 65 to 75

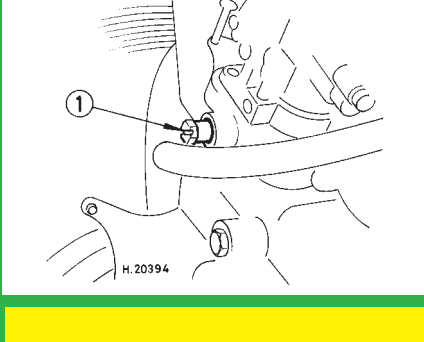
1: Idle speed 2: CO / Mixture



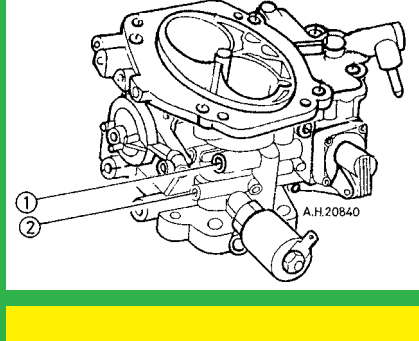
1174 cm³



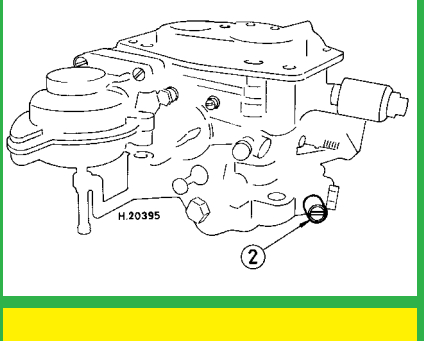
1174 cm³



Jikov EDSR



Jikov SEDR



Jikov EDSR