

Engine & Cooling

Fuel

Ignition

Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling systemEstelle 130, Rapid1985 to 1988

Type		742.13
Capacity (cm³) / number of cylinders		1289 / 4
Compression ratio / pressure	bar	9.7 / _
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 130, Rapid1985 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 SEDR
Main jet / needle		115, 135
Injection pressure	bar	_
Pump pressure	bar	0.17
Octane rating	RON	96[R]

Ignition systemEstelle 130, Rapid1985 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 130, Rapid1985 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 130, Rapid1985 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 130, Rapid1985 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	36 to 40
Main bearings	Nm	60mm pin:50 to 55¹
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

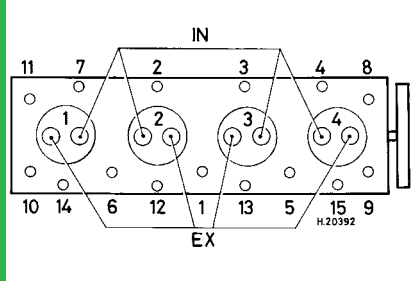
CapacitiesEstelle 130, Rapid1985 to 1988

Engine oil & filter	litres	4.0 [+ cooler 0.6]
Gearbox - 4-speed [5-speed]	litres	2.2
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	11.5
Fuel tank	litres	37. 87 ►: 36

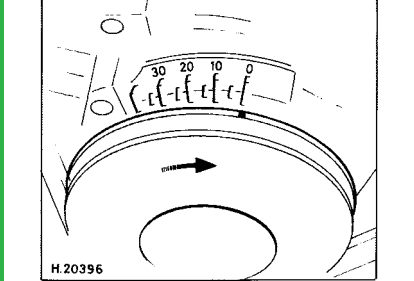
Notes and Illustrations

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

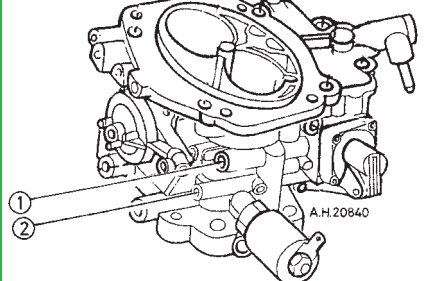
1: Idle speed 2: CO / Mixture



1289 cm³



1289 cm³



Jikov SEDR