

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 system205 AT1986 to 1990

Type		XU51C (B1A/A) (58kW)
Capacity (cm³) / number of cylinders		1580 / 4
Compression ratio / pressure	bar	9.35 / _
Oil pressure	bar	1.4 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.40
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	89
Radiator cap pressure	bar	1.0

Fuel system205 AT1986 to 1990

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.0 to 2.0
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber
Type / ref		36 TLC1/100, 200
Main jet / needle		140
Injection pressure	bar	_
Pump pressure	bar	0.31
Octane rating	RON	97[E 95 RON]

Ignition system205 AT1986 to 1990

Type		Electronic
Ignition coil		_
Primary resistance	ohms	0.82
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch/Ducellier
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ 750
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	C023-D018
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	10 to 14 @ 1200
	° Crankshaft @ rpm	26 to 30 @ 2600
	° Crankshaft @ rpm	34 to 38 @ 5200
Vacuum range check	mbar	200 to 540
Maximum vacuum advance	° Crankshaft	22 to 26
Spark plugs		Eyquem/Champion
Type		C62LJS / S281YC¹
Electrode gap	mm	0.60¹

Electrical system205 AT1986 to 1990

Battery	V / CC / RC	12 / 175 / 60 or 210 / 65
Alternator voltage / full load current / engine rpm		13.8 to 14.8 / 63 / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear205 AT1986 to 1990

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	_

Tyres		
Saloon	Size	165/70x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.8 / 2.0
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+0.5±0.5 PW²
Camber		0±30'
Castor		+3°±30'
King pin inclination		+9°45'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.6±0.8 PW³
Camber		-50'±30'

Torque wrench settings205 AT1986 to 1990

Cylinder head - stage 1	Nm	60⁴
- stage 2	Nm	Slacken each bolt in turn⁴
Cylinder head - stage 3	Nm	20⁴
- stage 4	Nm	+ 120⁴⁴
Big-end bearings	Nm	40⁵
Main bearings	Nm	49
Clutch cover	Nm	_
Flywheel [driveplate]	Nm	[49 LkC]
Front hubs	Nm	265
Rear hubs	Nm	215
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	18

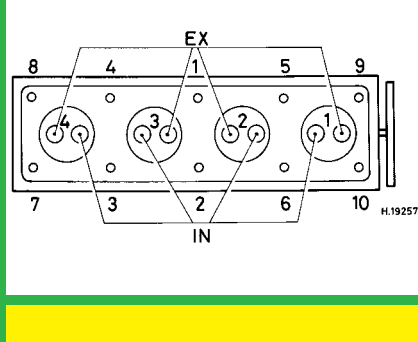
Capacities205 AT1986 to 1990

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	_
Automatic transmission - refill	litres	2.4
Final drive	litres	WT
Cooling system	litres	6.7
Fuel tank	litres	50

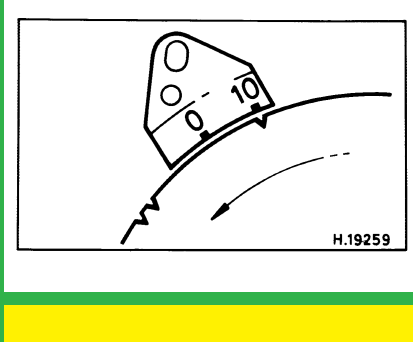
Notes and Illustrations

- ¹1988 ►: Eyquem RFC52LS, Champion C9YCX, Gap 0.80
- ²1988 ►: +1.0±0.5 PW
- ³1988 ►: +1.7±0.8 PW
- ⁴04.87 ► Torx bolts: 60, slacken then 20 + 300°
- ⁵Slacken, then 20 + 70°

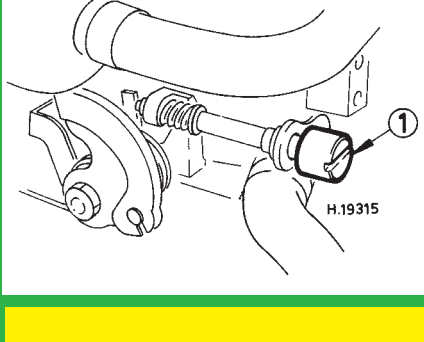
1: Idle speed2: CO / Mixture



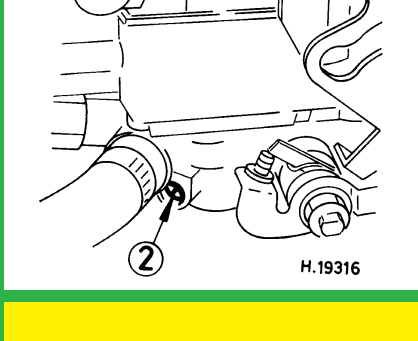
1580 cm³



1580 cm³



Weber TLC



Weber TLC