

Engine & Cooling

Fuel

Ignition

Electrical

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Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemRegata 701986 to 1988

Type	149 A7.000 SOHC	
Capacity (cm ³) / number of cylinders	1299 / 4	
Compression ratio / pressure	bar	9.4 / _
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.40±0.05
Valve clearance - exhaust	mm	0.50±0.05
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	83 to 87
Radiator cap pressure	bar	1.0

Fuel systemRegata 701986 to 1988

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.0±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	Solex/Weber	
Type / ref	S: C30-32 CIC. W: 30-32 DMTE	
Main jet / needle	S: 101, 105. W: 91, 100	
Injection pressure	bar	_
Pump pressure	bar	0.18
Octane rating	RON	95[R]

Ignition systemRegata 701986 to 1988

Type	Electronic	
Ignition coil	Marelli	
Primary resistance	ohms	0.76 to 0.92
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Marelli	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ idle
V = Vacuum NV = No Vacuum		
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0±2 @ 1500
	° Crankshaft @ rpm	11±2 @ 3000
	° Crankshaft @ rpm	24±2 @ 4800
Vacuum range check	mbar	80 to 267
Maximum vacuum advance	° Crankshaft	12±2
Spark plugs	Bosch/Champion	
Type	WR7DC / RN9YC	
Electrode gap	mm	0.70 to 0.80

Electrical systemRegata 701986 to 1988

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm	14.0 to 14.3 / _ / 3500	
Starter motor current / voltage - cranking	A / V	170 / 9.4 to 10.3
- locked	A / V	320 / 7

Running gearRegata 701986 to 1988

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	155x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.9 / 1.8
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +1.0
Camber	+1°15' to 2°15'	
Castor	+1° to 2°	
King pin inclination	_	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +4.0
Camber	-45' to +15'	

Torque wrench settingsRegata 701986 to 1988

Cylinder head - stage 1	Nm	20
- stage 2	Nm	40
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	51
Main bearings	Nm	80
Clutch cover	Nm	16
Flywheel [driveplate]	Nm	83
Front hubs	Nm	294 staked
Rear hubs	Nm	216 staked
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	25 to 30

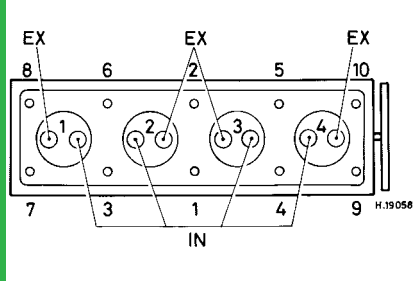
CapacitiesRegata 701986 to 1988

Engine oil & filter	litres	4.1
Gearbox - 4-speed [5-speed]	litres	3.0 [3.3]
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.9
Fuel tank	litres	55

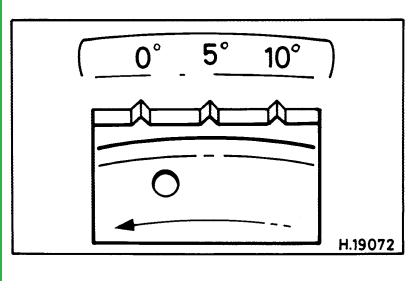
Notes and Illustrations



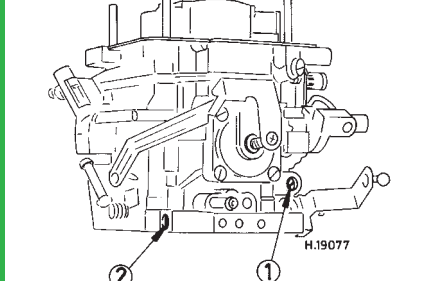
1: Idle speed 2: CO / Mixture



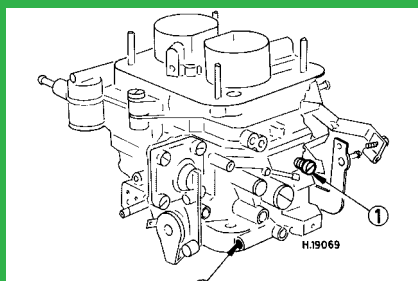
1299 cm³



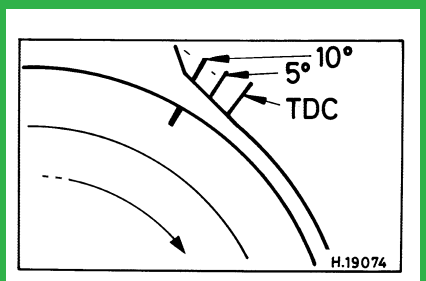
1299 cm³



Solex CIC



Weber DMTE



1299 cm³, alternative