

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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HELP

Engine and cooling system Regata 70 1988 to 1990

Type		149 A7.000 SOHC
Capacity (cm ³) / number of cylinders		1301 / 4
Compression ratio / pressure	bar	9.14 / _
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 system Regata 70 1988 to 1990

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
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber
Type / ref		30-32 DMTE 36/150
Main jet / needle		90, 90
Injection pressure	bar	_
Pump pressure	bar	0.18
Octane rating	RON	95[E 95 RON] ¹

Ignition system Regata 70 1988 to 1990

Type		Electronic
Ignition coil		Marelli BAE 506A
Primary resistance	ohms	0.76 to 0.92
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Marelli
Points gap (air gap)	mm	[0.30 to 0.40]
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10±2 BTDC @ idle
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 800 to 1400
	° Crankshaft @ rpm	11±2 @ 3000
	° Crankshaft @ rpm	20±2 @ 5250
Vacuum range check	mbar	160 to 467
Maximum vacuum advance	° Crankshaft	15±2
Spark plugs		Bosch/Champion
Type		WR7DC / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical system Regata 70 1988 to 1990

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 gear Regata 70 1988 to 1990

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	2.1 / 2.1
- Estate / Van	bar	_

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +1.0
Camber		+45' to 1°45'
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 settings Regata 70 1988 to 1990

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

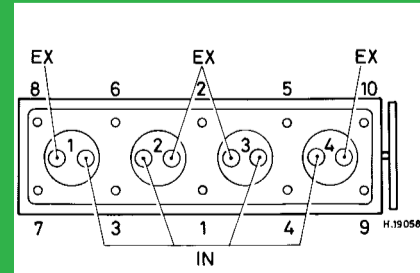
Capacities Regata 70 1988 to 1990

Engine oil & filter	litres	3.5
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

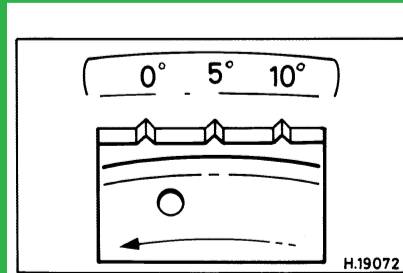
Notes and Illustrations

¹Chassis 07732757 ▶

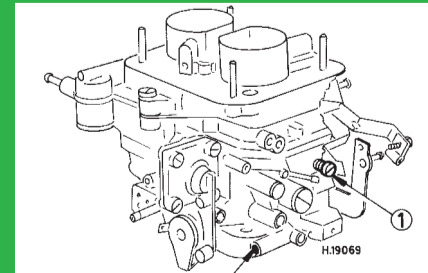
1: Idle speed 2: CO / Mixture



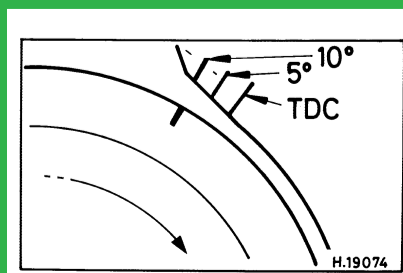
1301 cm³



1301 cm³



Weber DMTE



1301 cm³, alternative