

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system

Regata 85 & Weekend1986 to 1990

Type		149 A.000 SOHC
Capacity (cm ³) / number of cylinders		1585 / 4
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.30±0.05
Valve clearance - exhaust	mm	0.40±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 85 & Weekend1986 to 1990

Idle speed - manual [auto]	rpm	700 to 800
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		Weber
Type / ref		32-34 DMTR 87/252
Main jet / needle		107, 127
Injection pressure	bar	_
Pump pressure	bar	0.24 to 0.29
Octane rating	RON	95[R]

Ignition system

Regata 85 & Weekend1986 to 1990

Type		Electronic
Ignition coil		Marelli
Primary resistance	ohms	0.75 to 0.81
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 @ 1200
	° Crankshaft @ rpm	15±2 @ 3000
	° Crankshaft @ rpm	24±2 @ 4500
Vacuum range check	mbar	107 to 320
Maximum vacuum advance	° Crankshaft	13±2
Spark plugs		Bosch/Champion
Type		WR6DC / RN7YC
Electrode gap	mm	0.70 to 0.80

Electrical system

Regata 85 & Weekend1986 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	230 / 9.7
- locked	A / V	460 / 7.5

Running gear

Regata 85 & Weekend1986 to 1990

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

Tyres		
Saloon	Size	165/70x13: 165/65x14
Estate / Van	Size	165/65x14
Pressure - front / rear - Saloon	bar	1.9 / 1.8 ¹
- Estate / Van	bar	2.2 / 2.2

Front suspension / wheel alignment

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

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0 to +4.0 ³
Camber		-45' to +15' ⁴

Torque wrench settings

Regata 85 & Weekend1986 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

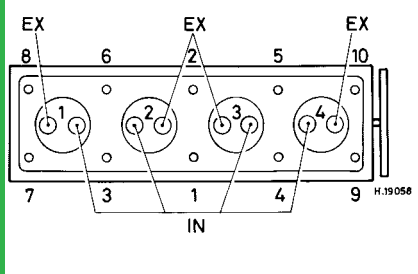
Regata 85 & Weekend1986 to 1990

Engine oil & filter	litres	4.2
Gearbox - 4-speed [5-speed]	litres	3.3
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	55

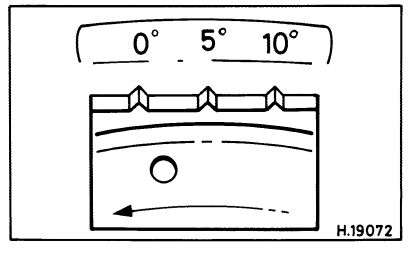
Notes and Illustrations

- ¹85S: 2.2 / 2.2. Chassis 7 713 054 ►: 2.1 / 2.1
- ²Weekend: +1° to 2°. Chassis 7 713 054 ►: +45' to 1°45'. Weekend: +30' to 1°30'
- ³Weekend: +2.0 to 6.0
- ⁴Weekend: -40' to +20'

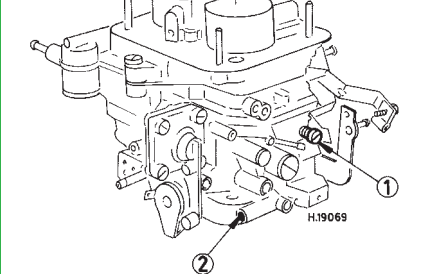
1: Idle speed2: CO / Mixture



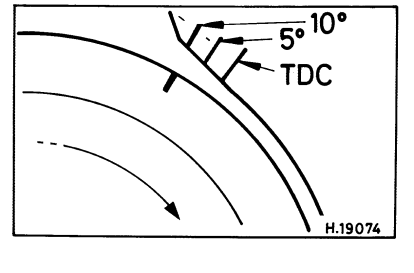
1585 cm³



1585 cm³



Weber DMTR



1585 cm³, alternative