

Engine & Cooling   Fuel   Ignition   Electrical   Running gear   Torque settings   Capacities   Notes & Illustrations



# Automotive Technical DATA BOOK

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HELP

## Engine and cooling system      Regata 100Sie & Weekend      1988 to 1990

Type		1149 C3.000 DOHC
Capacity (cm <sup>3</sup> ) / 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	0.45±0.04
Valve clearance - exhaust	mm	0.50±0.04
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	81 to 85
Radiator cap pressure	bar	1.0

## Fuel system      Regata 100Sie & Weekend      1988 to 1990

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	0.8±0.4
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber
Type / ref		MIWOM4 SPI Centrajct
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	1.00±0.04
Octane rating	RON	97[E 95 RON]

## Ignition system      Regata 100Sie & Weekend      1988 to 1990

Type		AEI
Ignition coil		Marelli BAE 209BK
Primary resistance	ohms	0.31 to 0.38
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±2 BTDC @ 500 to 800
V = Vacuum    NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	42±2 BTDC @ 3500
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	_
Maximum vacuum advance	° Crankshaft	_
Spark plugs		Bosch/Champion
Type		WR7DC / RN9YC
Electrode gap	mm	0.70 to 0.80

## Electrical system      Regata 100Sie & Weekend      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	270 / 9.2
- locked	A / V	540 / 6.5

## Running gear      Regata 100Sie & Weekend      1988 to 1990

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5
<b>Tyres</b>		
Saloon	Size	165/65x14
Estate / Van	Size	165/65x14
Pressure - front / rear - Saloon	bar	2.4 / 2.4
- Estate / Van	bar	2.2 / 2.2
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +1.0
Camber		+30' to 1°30'
Castor		+1° to 2°
King pin inclination		_
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +4.0 <sup>1</sup>
Camber		-45' to +15' <sup>2</sup>

## Torque wrench settings      Regata 100Sie & Weekend      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	20 + 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 100Sie & Weekend      1988 to 1990

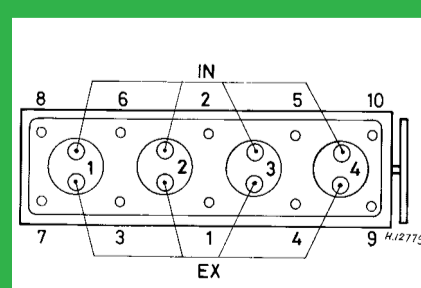
Engine oil & filter	litres	4.6
Gearbox - 4-speed [5-speed]	litres	2.9
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	55

## Notes and Illustrations

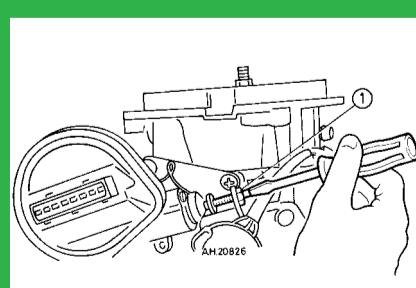
<sup>1</sup>Weekend: +2.0 to 6.0

<sup>2</sup>Weekend: -40' to +20'

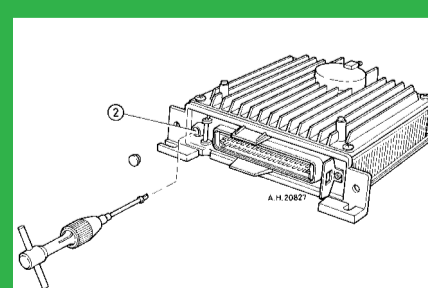
1: Idle speed      2: CO / Mixture



1585 cm<sup>3</sup>, DOHC



Spi Centrajct



Spi Centrajct