

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 136G Rapid Coupé 1988 to 1990

Type		136 OHV
Capacity (cm ³) / number of cylinders		1289 / 4
Compression ratio / pressure	bar	9.7 / ≥12.0
Oil pressure	bar	[4.1 to 5.5]
Oil temperature	°C	70
Valve clearance - inlet	mm	0.20±0.05
- exhaust	mm	0.20±0.05
Firing order		1-3-4-2
No 1 cylinder position		TCE
Thermostat opening temperature	°C	88 to 98
Radiator cap pressure	bar	1.0

Fuel system 136G Rapid Coupé 1988 to 1990

Idle speed - manual [auto]	rpm	780 to 830
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.8 to 1.5
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		Jikov
Type / ref		32 SEDR
Main jet / needle		115, 135
Injection pressure	bar	—
Pump pressure	bar	0.17
Octane rating	RON	96[R]

Ignition system 136G Rapid Coupé 1988 to 1990

Type		Contact breaker - CIS
Ignition coil		Pal-Magneton
Primary resistance	ohms	2.0
Ballast resistor	ohms	1.5
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	0.35 to 0.45
Dwell angle	° (%)	(55±5)
Condenser capacity	µF	0.20 to 0.25
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	5±2 BTDC @ 600
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 1150 to 1400
	° Crankshaft @ rpm	14 to 18 @ 1800
	° Crankshaft @ rpm	26 to 30 @ 5000
Vacuum range check	mbar	133 to 400
Maximum vacuum advance	° Crankshaft	8 to 12
Spark plugs		Pal/Champion
Type		Super G8Y / S7YC
Electrode gap	mm	0.60

Electrical system 136G Rapid Coupé 1988 to 1990

Battery	V / CC / RC	12 / 37Ah
Alternator voltage / full load current / engine rpm		13.4 to 14.3 / _ / 3000
Starter motor current / voltage - cranking	A / V	150 to 210 / 9.5
- locked	A / V	340 / 8.0

Running gear 136G Rapid Coupé 1988 to 1990

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	2.5

Tyres		
Saloon	Size	165x13: 165/80x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.5 / 1.9
- Estate / Van	bar	—

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber		+1°±30'
Castor		+4°45' to 6°30'
King pin inclination		+8°

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +2.0
Camber		-2°15'

Torque wrench settings 136G Rapid Coupé 1988 to 1990

Cylinder head - stage 1	Nm	BOLTS: 17 to 20
- stage 2	Nm	+ 90°
- stage 3	Nm	+ 90°
- stage 4	Nm	NUTS: 20 to 26
Big-end bearings	Nm	36 to 40
Main bearings	Nm	60mm pin:50 to 55 ¹
Clutch cover	Nm	23 to 28
Flywheel [driveplate]	Nm	55 to 65
Front hubs	Nm	WSM
Rear hubs	Nm	300
Wheel nuts / bolts	Nm	60 to 70
Spark plugs	Nm	20 to 30 ²

Capacities 136G Rapid Coupé 1988 to 1990

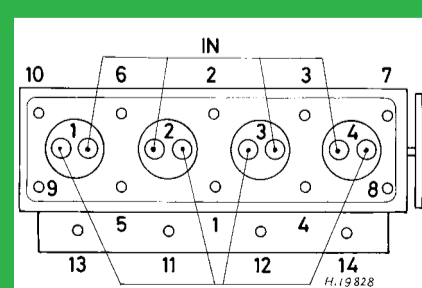
Engine oil & filter	litres	4.0 [+ cooler 0.6]
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	11.5
Fuel tank	litres	36

Notes and Illustrations

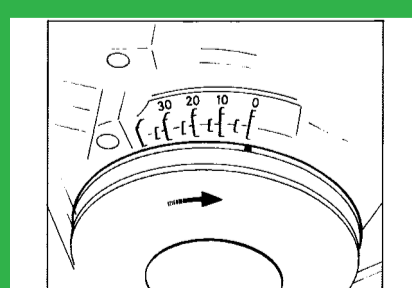
¹M11: 65 to 75

²Flat seat only. Taper seat: 10 to 14

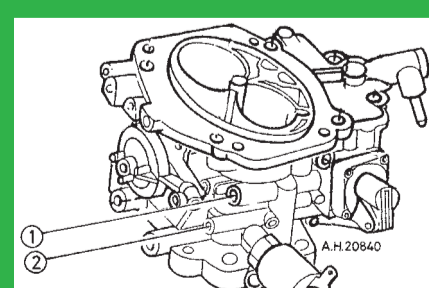
1: Idle speed 2: CO / Mixture



1289 cm³



1289 cm³



Jikov SEDR