

Engine & Cooling

Fuel

Ignition

Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling systemMG RV81993 to 1996

Type		V8 OHV 16V 142kW
Capacity (cm ³) / number of cylinders		3948 / 8
Compression ratio / pressure	bar	9.35 / _
Oil pressure	bar	[2.1 to 2.7]
Oil temperature	°C	82
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order		1-8-4-3-6-5-7-2
No 1 cylinder position		PEL
Thermostat opening temperature	°C	82 to 92
Radiator cap pressure	bar	1.03

Fuel systemMG RV81993 to 1996

Idle speed - manual [auto]	rpm	700±25 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 to 1.0 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	_
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Lucas
Type / ref		14 CUX MPI (hot wire type)
Main jet / needle		_
Injection pressure	bar	2.5
Pump pressure	bar	≤4.1
Octane rating	RON	95[U]

Ignition systemMG RV81993 to 1996

Type		Electronic
Ignition coil		Bosch 0 221 122 392
Primary resistance	ohms	8.0
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Lucas
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	5±1 BTDC @ 800
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	_
Spark plugs		Champion
Type		RN11YCC
Electrode gap	mm	0.84 to 0.96

Electrical systemMG RV81993 to 1996

Battery	V / CC / RC	12 / 405 / 70
Alternator voltage / full load current / engine rpm		12 / 65 / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gearMG RV81993 to 1996

Brakes -		
Front (min. friction material thickness)	mm	_ 6.5 with backing plate
Rear (min. friction material thickness)	mm	_ 1.5

Tyres		
Saloon	Size	205/65x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.5 / 1.6
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[+5'+20']
Camber		+24'±30'
Castor		+3°48'±54'
King pin inclination		+7°12'±24'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[0±20']
Camber		0±20'

Torque wrench settingsMG RV81993 to 1996

Cylinder head - stage 1	Nm	Outer row: 60
- stage 2	Nm	Centre row: 90
- stage 3	Nm	Inner row: 90
- stage 4	Nm	_
Big-end bearings	Nm	47
Main bearings	Nm	75
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	110
Front hubs	Nm	235
Rear hubs	Nm	_
Wheel nuts / bolts	Nm	70
Spark plugs	Nm	15

CapacitiesMG RV81993 to 1996

Engine oil & filter	litres	5.5
Gearbox - 4-speed [5-speed]	litres	2.67
Automatic transmission - refill	litres	_
Final drive	litres	0.9
Cooling system	litres	5.0
Fuel tank	litres	51

Notes and Illustrations

