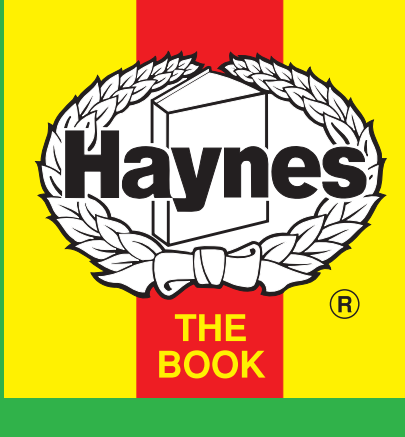


|                  |      |          |            |              |                 |            |                       |
|------------------|------|----------|------------|--------------|-----------------|------------|-----------------------|
| Engine & Cooling | Fuel | Ignition | Electrical | Running 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 systemMontego 2.01984 to 1989

|                                      |     |            |
|--------------------------------------|-----|------------|
| Type                                 |     | 20H        |
| Capacity (cm³) / number of cylinders |     | 1994 / 4   |
| Compression ratio / pressure         | bar | 9.0 / _    |
| Oil pressure                         | bar | 0.7 [3.8]  |
| Oil temperature                      | °C  | _          |
| Valve clearance - inlet              | mm  | 0.31±0.01¹ |
| Valve clearance - exhaust            | mm  | 0.31±0.01¹ |
| Firing order                         |     | 1-3-4-2    |
| No 1 cylinder position               |     | TBE        |
| Thermostat opening temperature       | °C  | 88         |
| Radiator cap pressure                | bar | 1.04       |

Fuel systemMontego 2.01984 to 1989

|                                           |     |                              |
|-------------------------------------------|-----|------------------------------|
| Idle speed - manual [auto]                | rpm | 600 to 750 [825±50]          |
| Fast idle speed - manual [auto]           | rpm | 1100±50 [1200±50]            |
| CO @ idle speed [3000 rpm] - see page VI  | %   | 2.5±1.0                      |
| 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              |     | SU                           |
| Type / ref                                |     | HIF 44E / FZX 1438 / 39 / 65 |
| Main jet / needle                         |     | 0.100 / BFU                  |
| Injection pressure                        | bar | _                            |
| Pump pressure                             | bar | 0.3                          |
| Octane rating                             | RON | 97[L]                        |

Ignition systemMontego 2.01984 to 1989

|                                 |                    |                      |
|---------------------------------|--------------------|----------------------|
| Type                            |                    | Computerized         |
| Ignition coil                   |                    | Unipart GCL 139, 143 |
| Primary resistance              | ohms               | 0.71 to 0.81         |
| Ballast resistor                | ohms               | _                    |
| Voltage - Tmnl 15(+) to earth   | V                  | _                    |
| Distributor                     |                    | Lucas                |
| Points gap (air gap)            | mm                 | _                    |
| Dwell angle                     | ° (%)              | _                    |
| Condenser capacity              | µF                 | _                    |
| Rotation                        |                    | Anticlockwise        |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 20 to 26 BTDC @ 1500 |
| V = Vacuum NV = No Vacuum       |                    | NV                   |
| Total ignition advance          | ° Crankshaft @ rpm | 37 to 42 @ 1500      |
|                                 | ° 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                     |                    | Unipart/Champion     |
| Type                            |                    | GSP4362 / N9YC       |
| Electrode gap                   | mm                 | 1.00                 |

Electrical systemMontego 2.01984 to 1989

|                                                     |             |                 |
|-----------------------------------------------------|-------------|-----------------|
| Battery                                             | V / CC / RC | 12 / 360 / 70   |
| Alternator voltage / full load current / engine rpm |             | 14.0 / _ / 3000 |
| Starter motor current / voltage - cranking          | A / V       | 55 to 65 / 12   |
| - locked                                            | A / V       | 360 to 425 / 7  |

Running gearMontego 2.01984 to 1989

|                                          |    |     |
|------------------------------------------|----|-----|
| Brakes -                                 |    |     |
| Front (min. friction material thickness) | mm | 3.0 |
| Rear (min. friction material thickness)  | mm | 1.5 |

|                                  |      |                       |
|----------------------------------|------|-----------------------|
| Tyres                            |      |                       |
| Saloon                           | Size | 180/65x365: 185/65x14 |
| Estate / Van                     | Size | 180/65x365: 185/65x14 |
| Pressure - front / rear - Saloon | bar  | 2.0 / 2.0²            |
| - Estate / Van                   | bar  | 2.0 / 2.2             |

|                                    |        |                             |
|------------------------------------|--------|-----------------------------|
| Front suspension / wheel alignment |        |                             |
| Toe-in (+) / Toe-out (-)           | mm [°] | [0±8']                      |
| Camber                             |        | A: -15'±21'. B: +30'±21'³   |
| Castor                             |        | +37'±30'                    |
| King pin inclination               |        | A: +12°30'±30'. B: +12°33'³ |

|                                   |        |               |
|-----------------------------------|--------|---------------|
| Rear suspension / wheel alignment |        |               |
| Toe-in (+) / Toe-out (-)          | mm [°] | [+20' to 40'] |
| Camber                            |        | 0 to -1°      |

Torque wrench settingsMontego 2.01984 to 1989

|                         |    |                    |
|-------------------------|----|--------------------|
| Cylinder head - stage 1 | Nm | 45                 |
| - stage 2               | Nm | 80                 |
| Cylinder head - stage 3 | Nm | + 90° or to 108⁴   |
| - stage 4               | Nm | _                  |
| Big-end bearings        | Nm | 55 Lightly oiled   |
| Main bearings           | Nm | 105 Lightly oiled  |
| Clutch cover            | Nm | 23                 |
| Flywheel [driveplate]   | Nm | 58 bolts marked H⁵ |
| Front hubs              | Nm | 203                |
| Rear hubs               | Nm | 68                 |
| Wheel nuts / bolts      | Nm | 72                 |
| Spark plugs             | Nm | 18                 |

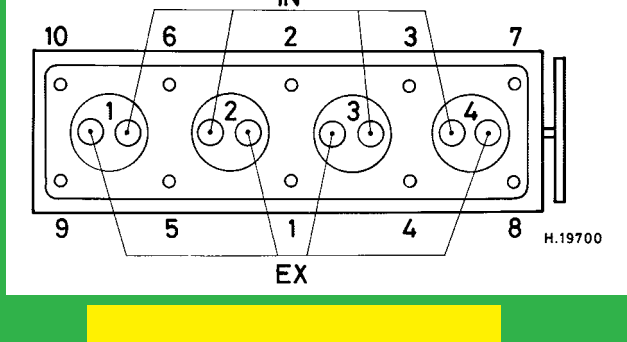
CapacitiesMontego 2.01984 to 1989

|                                 |        |       |
|---------------------------------|--------|-------|
| Engine oil & filter             | litres | 4.9   |
| Gearbox - 4-speed [5-speed]     | litres | [2.2] |
| Automatic transmission - refill | litres | 2.0   |
| Final drive                     | litres | WT    |
| Cooling system                  | litres | 8.5   |
| Fuel tank                       | litres | 50    |

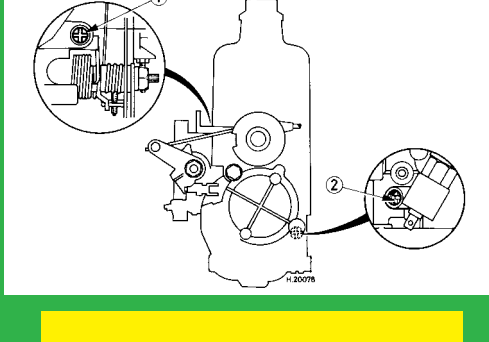
Notes and Illustrations

- ¹Adjust only if less than 0.20  
²1989 ►: 1.8 / 2.0  
³A = early negative offset steering geometry, B = later positive  
⁴Whichever occurs first  
⁵85 bolts marked X with washer. 120 bolts marked X without washer

1: Idle speed      2: CO / Mixture



1994 cm³



SU HIF44E