

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 system

Uno 60 & Selecta (1116)

1988 to 1990

|                                                   |     |                      |
|---------------------------------------------------|-----|----------------------|
| Type                                              |     | 146 A4.048 OHC. 43kW |
| Capacity (cm <sup>3</sup> ) / number of cylinders |     | 1116 / 4             |
| Compression ratio / pressure                      | bar | 9.02 / _             |
| Oil pressure                                      | bar | [3.4 to 4.9]         |
| Oil temperature                                   | °C  | 100                  |
| Valve clearance - inlet                           | mm  | 0.40±0.05            |
| Valve clearance - exhaust                         | mm  | 0.50±0.05            |
| Firing order                                      |     | 1-3-4-2              |
| No 1 cylinder position                            |     | TBE                  |
| Thermostat opening temperature                    | °C  | 80 to 84             |
| Radiator cap pressure                             | bar | 0.98                 |

Fuel system

Uno 60 & Selecta (1116)

1988 to 1990

|                                           |     |                            |
|-------------------------------------------|-----|----------------------------|
| Idle speed - manual [auto]                | rpm | 850±50                     |
| Fast idle speed - manual [auto]           | rpm | 1300 [1650 to 1700]        |
| 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                                |     | 30-32 DMTE 30 [30-32 DMTR] |
| Main jet / needle                         |     | 90, 105                    |
| Injection pressure                        | bar | _                          |
| Pump pressure                             | bar | 0.18                       |
| Octane rating                             | RON | 97[E 95 RON]               |

Ignition system

Uno 60 & Selecta (1116)

1988 to 1990

|                                 |                    |                   |
|---------------------------------|--------------------|-------------------|
| Type                            |                    | Electronic        |
| Ignition coil                   |                    | Marelli BAE 506 A |
| Primary resistance              | ohms               | 0.756 to 0.924    |
| Ballast resistor                | ohms               | _                 |
| Voltage - Tmnl 15(+) to earth   | V                  | _                 |
| Distributor                     |                    | Marelli           |
| Points gap (air gap)            | mm                 | [0.30 to 0.40]    |
| Dwell angle                     | ° (%)              | _                 |
| Condenser capacity              | µF                 | _                 |
| Rotation                        |                    | Clockwise         |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 10 BTDC @ idle    |
| V = Vacuum   NV = No Vacuum     |                    | NV                |
| Total ignition advance          | ° Crankshaft @ rpm | _                 |
|                                 | ° Crankshaft @ rpm | _                 |
|                                 | ° Crankshaft @ rpm | _                 |
| Centrifugal check.              | ° Crankshaft @ rpm | 0 @ 800 to 1200   |
|                                 | ° Crankshaft @ rpm | 11 to 15 @ 3000   |
|                                 | ° Crankshaft @ rpm | 22 to 26 @ 4400   |
| Vacuum range check              | mbar               | 120 to 267        |
| Maximum vacuum advance          | ° Crankshaft       | 10 to 14          |
| Spark plugs                     |                    | Bosch/Champion    |
| Type                            |                    | FR7DC / RC9YC     |
| Electrode gap                   | mm                 | 0.70 to 0.80      |

Electrical system

Uno 60 & Selecta (1116)

1988 to 1990

|                                                     |             |                                |
|-----------------------------------------------------|-------------|--------------------------------|
| Battery                                             | V / CC / RC | 12 / 175 / 60                  |
| Alternator voltage / full load current / engine rpm |             | 14.0 to 14.4 / 55 / 3000       |
| Starter motor current / voltage - cranking          | A / V       | 170 / 10.3 [190 to 220 / 10.0] |
| - locked                                            | A / V       | 340 / 7 [380 to 480/7.1 to8.5] |

Running gear

Uno 60 & Selecta (1116)

1988 to 1990

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

|                                  |      |                   |
|----------------------------------|------|-------------------|
| Tyres                            |      |                   |
| Saloon                           | Size | 135x13: 155/70x13 |
| Estate / Van                     | Size | _                 |
| Pressure - front / rear - Saloon | bar  | 1.9 / 1.9         |
| - Estate / Van                   | bar  | _                 |

|                                    |        |                    |
|------------------------------------|--------|--------------------|
| Front suspension / wheel alignment |        |                    |
| Toe-in (+) / Toe-out (-)           | mm [°] | 0±2.0 <sup>1</sup> |
| Camber                             |        | +25'±30'           |
| Castor                             |        | +2°±15'            |
| King pin inclination               |        | _                  |

|                                   |        |   |
|-----------------------------------|--------|---|
| Rear suspension / wheel alignment |        |   |
| Toe-in (+) / Toe-out (-)          | mm [°] | _ |
| Camber                            |        | _ |

Torque wrench settings

Uno 60 & Selecta (1116)

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 | 80       |
| Clutch cover            | Nm | 16       |
| Flywheel [driveplate]   | Nm | 83       |
| Front hubs              | Nm | 294      |
| Rear hubs               | Nm | 216      |
| Wheel nuts / bolts      | Nm | 86       |
| Spark plugs             | Nm | 25 to 30 |

Capacities

Uno 60 & Selecta (1116)

1988 to 1990

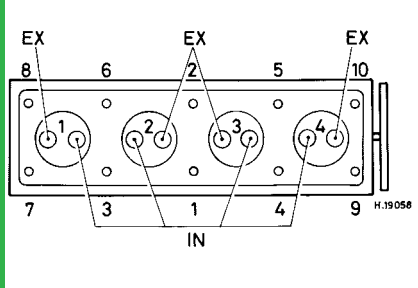
|                                 |        |     |
|---------------------------------|--------|-----|
| Engine oil & filter             | litres | 3.5 |
| Gearbox - 4-speed [5-speed]     | litres | 2.4 |
| Automatic transmission - refill | litres | 3.5 |
| Final drive                     | litres | WT  |
| Cooling system                  | litres | 6.2 |
| Fuel tank                       | litres | 42  |

Notes and Illustrations

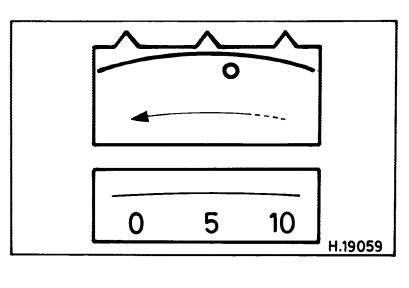
<sup>1</sup>Selecta: +1.0±1.0

1: Idle speed

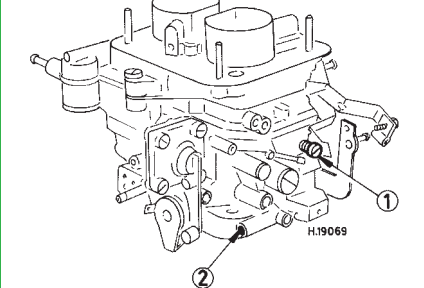
2: CO / Mixture



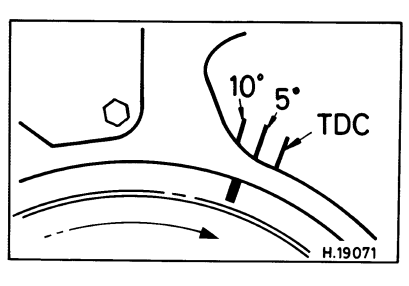
1116 cm<sup>3</sup>



1116 cm<sup>3</sup>



Weber DMTE / R



1116 cm<sup>3</sup>, alternative