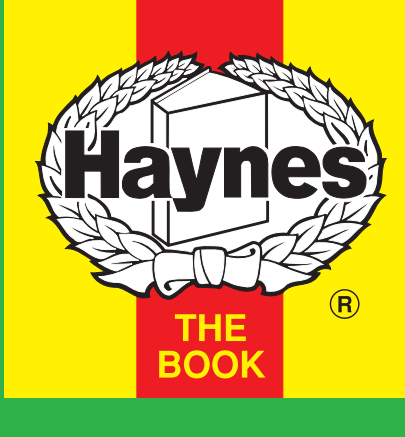


RENAULT

Clio 1.1 (B/C/S571)

1991 to 1992

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & 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.

MENUHELP

Engine and cooling system

Clio 1.1 (B/C/S571)

1991 to 1992

|                                                   |     |           |
|---------------------------------------------------|-----|-----------|
| Type                                              |     | C1E-7-00  |
| Capacity (cm <sup>3</sup> ) / number of cylinders |     | 1108 / 4  |
| Compression ratio / pressure                      | bar | 8.8 / _   |
| Oil pressure                                      | bar | 0.7 [3.5] |
| Oil temperature                                   | °C  | 80        |
| Valve clearance - inlet                           | mm  | 0.15      |
| Valve clearance - exhaust                         | mm  | 0.20      |
| Firing order                                      |     | 1-3-4-2   |
| No 1 cylinder position                            |     | FE        |
| Thermostat opening temperature                    | °C  | 83 to 95  |
| Radiator cap pressure                             | bar | 1.2       |

Fuel system

Clio 1.1 (B/C/S571)

1991 to 1992

|                                           |     |                   |
|-------------------------------------------|-----|-------------------|
| Idle speed - manual [auto]                | rpm | 700±50            |
| Fast idle speed - manual [auto]           | rpm | _                 |
| CO @ idle speed [3000 rpm] - see page VI  | %   | 1.5±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              |     | Solex             |
| Type / ref                                |     | 32 BIS 963 / 963A |
| Main jet / needle                         |     | 115. 963A: 117.5  |
| Injection pressure                        | bar | _                 |
| Pump pressure                             | bar | 0.17 to 0.33      |
| Octane rating                             | RON | 95[E 95 RON]      |

Ignition system

Clio 1.1 (B/C/S571)

1991 to 1992

|                                 |                    |                       |
|---------------------------------|--------------------|-----------------------|
| Type                            |                    | Contact breaker - CIS |
| Ignition coil                   |                    | _                     |
| Primary resistance              | ohms               | _                     |
| Ballast resistor                | ohms               | _                     |
| Voltage - Tmnl 15(+) to earth   | V                  | _                     |
| Distributor                     |                    | _                     |
| Points gap (air gap)            | mm                 | _                     |
| Dwell angle                     | ° (%)              | 57±3 (63±3)           |
| Condenser capacity              | µF                 | _                     |
| Rotation                        |                    | _                     |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 10±1 BTDC @ 700±50    |
| V = Vacuum NV = No Vacuum       |                    | NV                    |
| Total ignition advance          | ° Crankshaft @ rpm | R350-D90              |
|                                 | ° Crankshaft @ rpm | _                     |
|                                 | ° Crankshaft @ rpm | _                     |
| Centrifugal check.              | ° Crankshaft @ rpm | 0 @ 1300              |
|                                 | ° Crankshaft @ rpm | 7 to 11 @ 2000        |
|                                 | ° Crankshaft @ rpm | 28 to 32 @ 4700       |
| Vacuum range check              | mbar               | 133 to 475            |
| Maximum vacuum advance          | ° Crankshaft       | 17 to 21              |
| Spark plugs                     |                    | AC/Champion           |
| Type                            |                    | C42CMLS / N12YC       |
| Electrode gap                   | mm                 | 0.80±0.05             |

Electrical system

Clio 1.1 (B/C/S571)

1991 to 1992

|                                                     |             |                              |
|-----------------------------------------------------|-------------|------------------------------|
| Battery                                             | V / CC / RC | _                            |
| Alternator voltage / full load current / engine rpm |             | 13.5 to 14.8 / 60, 70 / 4000 |
| Starter motor current / voltage - cranking          | A / V       | _                            |
| - locked                                            | A / V       | 460 / _                      |

Running gear

Clio 1.1 (B/C/S571)

1991 to 1992

|                                          |    |                  |
|------------------------------------------|----|------------------|
| Brakes -                                 |    |                  |
| Front (min. friction material thickness) | mm | 6.0 with backing |
| Rear (min. friction material thickness)  | mm | 2.5 with backing |

|                                  |      |                        |
|----------------------------------|------|------------------------|
| Tyres                            |      |                        |
| Saloon                           | Size | 145/70x13: 155/70x13   |
| Estate / Van                     | Size | _                      |
| Pressure - front / rear - Saloon | bar  | 2.1 / 2.3 <sup>1</sup> |
| - Estate / Van                   | bar  | _                      |

|                                    |        |                |
|------------------------------------|--------|----------------|
| Front suspension / wheel alignment |        |                |
| Toe-in (+) / Toe-out (-)           | mm [°] | -1.0±1.0 UL    |
| Camber                             |        | -20'±30' N/A   |
| Castor                             |        | +1°55'±30' N/A |
| King pin inclination               |        | +10°±30' N/A   |

|                                   |        |                 |
|-----------------------------------|--------|-----------------|
| Rear suspension / wheel alignment |        |                 |
| Toe-in (+) / Toe-out (-)          | mm [°] | +0.5 to 2.5 N/A |
| Camber                            |        | -50'±30' N/A    |

Torque wrench settings

Clio 1.1 (B/C/S571)

1991 to 1992

|                         |    |            |
|-------------------------|----|------------|
| Cylinder head - stage 1 | Nm | 55 to 65   |
| - stage 2               | Nm | _          |
| Cylinder head - stage 3 | Nm | _          |
| - stage 4               | Nm | _          |
| Big-end bearings        | Nm | 35         |
| Main bearings           | Nm | 55 to 65   |
| Clutch cover            | Nm | 25. M8: 30 |
| Flywheel [driveplate]   | Nm | 50         |
| Front hubs              | Nm | 250        |
| Rear hubs               | Nm | 160        |
| Wheel nuts / bolts      | Nm | 90         |
| Spark plugs             | Nm | _          |

Capacities

Clio 1.1 (B/C/S571)

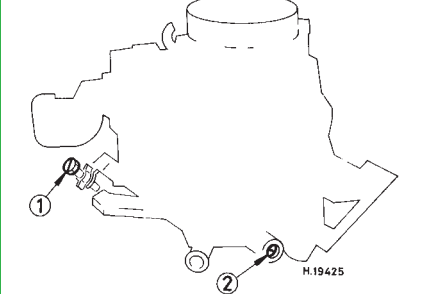
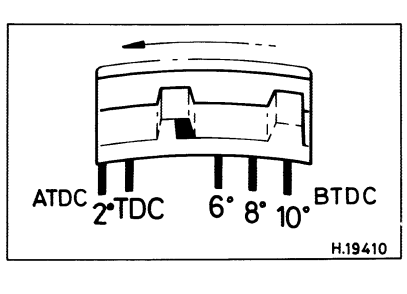
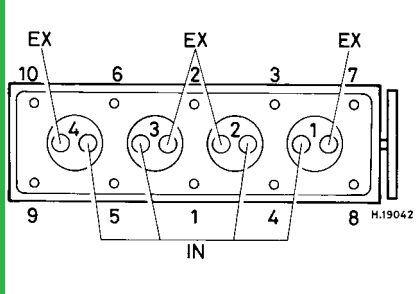
1991 to 1992

|                                 |        |                         |
|---------------------------------|--------|-------------------------|
| Engine oil & filter             | litres | 3.5                     |
| Gearbox - 4-speed [5-speed]     | litres | 3.25 [3.4] <sup>2</sup> |
| Automatic transmission - refill | litres | _                       |
| Final drive                     | litres | WT                      |
| Cooling system                  | litres | 5.4                     |
| Fuel tank                       | litres | 43                      |

Notes and Illustrations

<sup>1</sup>145/70x13: 2.4 / 2.4  
<sup>2</sup>JB4: 2.75. JB5: 2.9

1: Idle speed      2: CO / Mixture



1108 cm<sup>3</sup>

1108 cm<sup>3</sup>

Solex 32 BIS