

Engine & Cooling

Fuel

Ignition

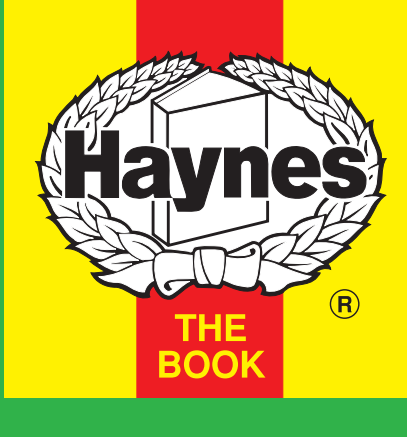
Electrical

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Automotive Technical  
**DATA BOOK**

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HELP

Engine and cooling systemBX 19 & 4x41990 to 1993

|                                      |     |                   |
|--------------------------------------|-----|-------------------|
| Type                                 |     | XU92C+ (D2F) 78kW |
| Capacity (cm³) / number of cylinders |     | 1905 / 4          |
| Compression ratio / pressure         | bar | 9.0 / _           |
| Oil pressure                         | bar | [3.5]             |
| Oil temperature                      | °C  | 80                |
| Valve clearance - inlet              | mm  | 0.20±0.05         |
| Valve clearance - exhaust            | mm  | 0.40±0.05         |
| Firing order                         |     | 1-3-4-2           |
| No 1 cylinder position               |     | FE                |
| Thermostat opening temperature       | °C  | 82                |
| Radiator cap pressure                | bar | 1.0               |

Fuel systemBX 19 & 4x41990 to 1993

|                                           |     |                                |
|-------------------------------------------|-----|--------------------------------|
| Idle speed - manual [auto]                | rpm | 675±25                         |
| Fast idle speed - manual [auto]           | rpm | _                              |
| CO @ idle speed [3000 rpm] - see page VI  | %   | ≤0.5 N/A                       |
| HC @ idle speed [3000 rpm] - see page VI  | ppm | ≤100                           |
| CO2 @ idle speed [3000 rpm] - see page VI | %   | ≥10.0                          |
| O2 @ idle speed [3000 rpm] - see page VI  | %   | _                              |
| Carburettor / fuel injection              |     | Solex                          |
| Type / ref                                |     | 34-34Z1 PSA547/549/548/551/2/3 |
| Main jet / needle                         |     | 115±5, 122±5                   |
| Injection pressure                        | bar | _                              |
| Pump pressure                             | bar | ≥0.27                          |
| Octane rating                             | RON | 98[E 95 RON]                   |

Ignition systemBX 19 & 4x41990 to 1993

|                                 |                    |                          |
|---------------------------------|--------------------|--------------------------|
| Type                            |                    | Electronic - Hall effect |
| Ignition coil                   |                    | Bosch, Ducellier         |
| Primary resistance              | ohms               | B: 0.82±10%. D: 0.8±5%   |
| Ballast resistor                | ohms               | _                        |
| Voltage - Tmnl 15(+) to earth   | V                  | _                        |
| Distributor                     |                    | Ducellier/Bosch          |
| Points gap (air gap)            | mm                 | _                        |
| Dwell angle                     | ° (%)              | _                        |
| Condenser capacity              | µF                 | _                        |
| Rotation                        |                    | _                        |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 10 BTDC @ 700            |
| V = Vacuum   NV = No Vacuum     |                    | NV                       |
| Total ignition advance          | ° Crankshaft @ rpm | C062-D017                |
|                                 | ° Crankshaft @ rpm | _                        |
|                                 | ° Crankshaft @ rpm | _                        |
| Centrifugal check.              | ° Crankshaft @ rpm | 0 @ 900 to 1400          |
|                                 | ° Crankshaft @ rpm | 11 to 15 @ 3000          |
|                                 | ° Crankshaft @ rpm | 19 to 23 @ 4150          |
| Vacuum range check              | mbar               | 90 to 430                |
| Maximum vacuum advance          | ° Crankshaft       | 18 to 22                 |
| Spark plugs                     |                    | Eyquem/Champion          |
| Type                            |                    | FC52LS / C9YCX           |
| Electrode gap                   | mm                 | 0.80                     |

Electrical systemBX 19 & 4x41990 to 1993

|                                                     |             |                      |
|-----------------------------------------------------|-------------|----------------------|
| Battery                                             | V / CC / RC | 12 / 200 / 33        |
| Alternator voltage / full load current / engine rpm |             | 13.5 / 50, 80 / 3650 |
| Starter motor current / voltage - cranking          | A / V       | 220 / _              |
| - locked                                            | A / V       | 310 to 350 / _       |

Running gearBX 19 & 4x41990 to 1993

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

|                                  |      |                        |
|----------------------------------|------|------------------------|
| Tyres                            |      |                        |
| Saloon                           | Size | 165/70x14: 175/65x14   |
| Estate / Van                     | Size | 165/70x14              |
| Pressure - front / rear - Saloon | bar  | 2.1 / 2.1 <sup>1</sup> |
| - Estate / Van                   | bar  | 2.2 / 2.4              |

|                                    |        |                        |
|------------------------------------|--------|------------------------|
| Front suspension / wheel alignment |        |                        |
| Toe-in (+) / Toe-out (-)           | mm [°] | 0 to -3.0              |
| Camber                             |        | 0±30'. 4x4: +1°39'±35' |
| Castor                             |        | +2°±35'. 4x4: 0±30'    |
| King pin inclination               |        | +11°58'                |

|                                   |        |                        |
|-----------------------------------|--------|------------------------|
| Rear suspension / wheel alignment |        |                        |
| Toe-in (+) / Toe-out (-)          | mm [°] | 0 to +5.0 <sup>2</sup> |
| Camber                            |        | -1°±20' N/A            |

Torque wrench settingsBX 19 & 4x41990 to 1993

|                         |    |              |
|-------------------------|----|--------------|
| Cylinder head - stage 1 | Nm | 60           |
| - stage 2               | Nm | Slacken      |
| Cylinder head - stage 3 | Nm | 20           |
| - stage 4               | Nm | + 300°       |
| Big-end bearings        | Nm | 50           |
| Main bearings           | Nm | 53           |
| Clutch cover            | Nm | 22           |
| Flywheel [driveplate]   | Nm | 50 LkC       |
| Front hubs              | Nm | 270          |
| Rear hubs               | Nm | 270          |
| Wheel nuts / bolts      | Nm | 80 Alloy: 90 |
| Spark plugs             | Nm | 25           |

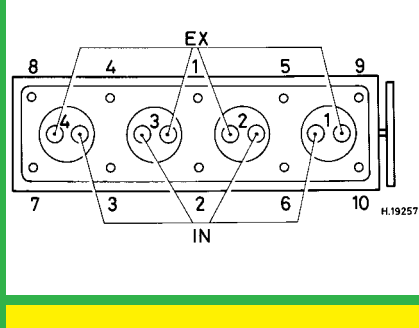
CapacitiesBX 19 & 4x41990 to 1993

|                                 |        |                  |
|---------------------------------|--------|------------------|
| Engine oil & filter             | litres | 5.0              |
| Gearbox - 4-speed [5-speed]     | litres | 1.8 <sup>3</sup> |
| Automatic transmission - refill | litres | _                |
| Final drive                     | litres | 4x4 rear: 1.7    |
| Cooling system                  | litres | 6.5              |
| Fuel tank                       | litres | 66               |

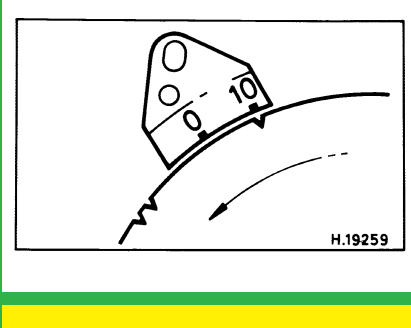
Notes and Illustrations

- <sup>1</sup>4x4: 2.1 / 2.2
- <sup>2</sup>4x4: +1.6 to 5.0
- <sup>3</sup>Transfer box: 1.8

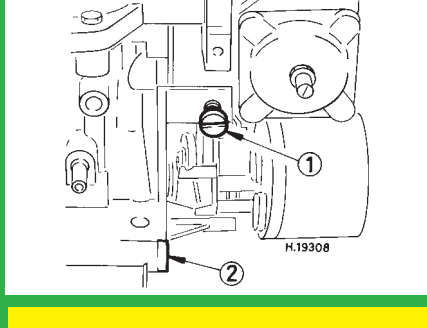
1: Idle speed      2: CO / Mixture



1905 cm³, 8V



1905 cm³, 8V



Solex Z1