

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



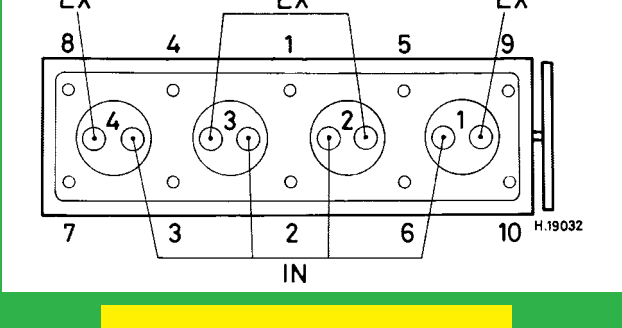
Automotive Technical  
DATA BOOK

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MENUHELP

| Engine and cooling system                           |  |                    | Laguna 1.8i (B56B/A) | 1994 to 1997 |
|-----------------------------------------------------|--|--------------------|----------------------|--------------|
| Type                                                |  |                    | F3P-7-24/-7-20 70kW  |              |
| Capacity (cm³) / number of cylinders                |  |                    | 1794 / 4             |              |
| Compression ratio / pressure                        |  | bar                | 9.7 / _              |              |
| Oil pressure                                        |  | bar                | 1.2 [3.5]            |              |
| Oil temperature                                     |  | °C                 | 80                   |              |
| Valve clearance - inlet                             |  | mm                 | 0.20                 |              |
| Valve clearance - exhaust                           |  | mm                 | 0.40                 |              |
| Firing order                                        |  |                    | 1-3-4-2              |              |
| No 1 cylinder position                              |  |                    | FE                   |              |
| Thermostat opening temperature                      |  | °C                 | 89                   |              |
| Radiator cap pressure                               |  | bar                | 1.2                  |              |
| Fuel system                                         |  |                    | Laguna 1.8i (B56B/A) | 1994 to 1997 |
| Idle speed - manual [auto]                          |  | rpm                | 750±50 N/A           |              |
| Fast idle speed - manual [auto]                     |  | rpm                | _                    |              |
| CO @ idle speed [3000 rpm] - see page VI            |  | %                  | ≤0.3 N/A             |              |
| HC @ idle speed [3000 rpm] - see page VI            |  | ppm                | ≤200                 |              |
| CO2 @ idle speed [3000 rpm] - see page VI           |  | %                  | _                    |              |
| O2 @ idle speed [3000 rpm] - see page VI            |  | %                  | _                    |              |
| Carburettor / fuel injection                        |  |                    | _ Bosch              |              |
| Type / ref                                          |  |                    | Monopoint SPI        |              |
| Main jet / needle                                   |  |                    | _                    |              |
| Injection pressure                                  |  | bar                | 1.06±0.05            |              |
| Pump pressure                                       |  | bar                | 1.06 ± 0.05          |              |
| Octane rating                                       |  | RON                | 95[U]                |              |
| Ignition system                                     |  |                    | Laguna 1.8i (B56B/A) | 1994 to 1997 |
| Type                                                |  |                    | Computerized         |              |
| Ignition coil                                       |  |                    | _                    |              |
| Primary resistance                                  |  | ohms               | 0.4 to 0.8           |              |
| Ballast resistor                                    |  | ohms               | _                    |              |
| Voltage - Tmnl 15(+) to earth                       |  | V                  | _                    |              |
| Distributor                                         |  |                    | _                    |              |
| Points gap (air gap)                                |  | mm                 | _                    |              |
| Dwell angle                                         |  | ° (%)              | _                    |              |
| Condenser capacity                                  |  | µF                 | _                    |              |
| Rotation                                            |  |                    | _                    |              |
| Ignition timing - basic [static                     |  | ° Crankshaft @ rpm | Computer control N/A |              |
| V = Vacuum NV = No Vacuum                           |  |                    | _                    |              |
| Total ignition advance                              |  | ° Crankshaft @ rpm | Computer control     |              |
|                                                     |  | ° 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                                         |  |                    | _ /Bosch/Champion    |              |
| Type                                                |  |                    | W7DCO / N7YCX        |              |
| Electrode gap                                       |  | mm                 | 0.75 to 0.85         |              |
| Electrical system                                   |  |                    | Laguna 1.8i (B56B/A) | 1994 to 1997 |
| Battery                                             |  | V / CC / RC        | 12V 50/60Ah          |              |
| Alternator voltage / full load current / engine rpm |  |                    | 60 / 80A             |              |
| Starter motor current / voltage - cranking          |  | A / V              | _                    |              |
| - locked                                            |  | A / V              | _                    |              |
| Running gear                                        |  |                    | Laguna 1.8i (B56B/A) | 1994 to 1997 |
| Brakes -                                            |  |                    |                      |              |
| Front (min. friction material thickness)            |  | mm                 | 6.0 with backing     |              |
| Rear (min. friction material thickness)             |  | mm                 | 6.0 with backing     |              |
| Tyres                                               |  |                    |                      |              |
| Saloon                                              |  | Size               | 185/65x14: 195/65x14 |              |
| Estate / Van                                        |  | Size               | _                    |              |
| Pressure - front / rear - Saloon                    |  | bar                | 2.3 / 2.3            |              |
| - Estate / Van                                      |  | bar                | _                    |              |
| Front suspension / wheel alignment                  |  |                    |                      |              |
| Toe-in (+) / Toe-out (-)                            |  | mm [°]             | 1.0±1.0              |              |
| Camber                                              |  |                    | -9'±30' N/A          |              |
| Castor                                              |  |                    | 3°±30' N/A           |              |
| King pin inclination                                |  |                    | 11°52'±30' N/A       |              |
| Rear suspension / wheel alignment                   |  |                    |                      |              |
| Toe-in (+) / Toe-out (-)                            |  | mm [°]             | +3.0±1.0 N/A         |              |
| Camber                                              |  |                    | -1°15'±10' N/A       |              |
| Torque wrench settings                              |  |                    | Laguna 1.8i (B56B/A) | 1994 to 1997 |
| Cylinder head - stage 1                             |  | Nm                 | 30                   |              |
| - stage 2                                           |  | Nm                 | 70                   |              |
| Cylinder head - stage 3                             |  | Nm                 | Wait 3 mins. Slacken |              |
| - stage 4                                           |  | Nm                 | 20 +123° ± 2°        |              |
| Big-end bearings                                    |  | Nm                 | 45 to 50             |              |
| Main bearings                                       |  | Nm                 | 60 to 65             |              |
| Clutch cover                                        |  | Nm                 | 26 to 28             |              |
| Flywheel [driveplate]                               |  | Nm                 | 50 to 55             |              |
| Front hubs                                          |  | Nm                 | 250                  |              |
| Rear hubs                                           |  | Nm                 | 190                  |              |
| Wheel nuts / bolts                                  |  | Nm                 | 90 to 100            |              |
| Spark plugs                                         |  | Nm                 | 20 to 30             |              |
| Capacities                                          |  |                    | Laguna 1.8i (B56B/A) | 1994 to 1997 |
| Engine oil & filter                                 |  | litres             | 5.3                  |              |
| Gearbox - 4-speed [5-speed]                         |  | litres             | 3.4                  |              |
| Automatic transmission - refill                     |  | litres             | _                    |              |
| Final drive                                         |  | litres             | WT                   |              |
| Cooling system                                      |  | litres             | 8.5                  |              |
| Fuel tank                                           |  | litres             | 66                   |              |

Notes and Illustrations



1794 cm³, 8V