

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical  
DATA BOOK

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Engine and cooling system

Colt 1300 GL1988 to 1990

|                                                   |     |              |
|---------------------------------------------------|-----|--------------|
| Type                                              |     | 4G13         |
| Capacity (cm <sup>3</sup> ) / number of cylinders |     | 1299 / 4     |
| Compression ratio / pressure                      | bar | 9.7 / ≥10.4  |
| Oil pressure                                      | bar | —            |
| Oil temperature                                   | °C  | —            |
| Valve clearance - inlet                           | mm  | 0.15 H       |
| Valve clearance - exhaust                         | mm  | 0.25 H       |
| Firing order                                      |     | 1-3-4-2      |
| No 1 cylinder position                            |     | TBE          |
| Thermostat opening temperature                    | °C  | 88           |
| Radiator cap pressure                             | bar | 0.76 to 1.04 |

Fuel system

Colt 1300 GL1988 to 1990

|                                                       |     |                 |
|-------------------------------------------------------|-----|-----------------|
| Idle speed - manual [auto]                            | rpm | 800±50          |
| Fast idle speed - manual [auto]                       | rpm | —               |
| CO @ idle speed [3000 rpm] - see page VI              | %   | 1.0±0.5         |
| HC @ idle speed [3000 rpm] - see page VI              | ppm | ≤1200           |
| CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI | %   | —               |
| O <sub>2</sub> @ idle speed [3000 rpm] - see page VI  | %   | —               |
| Carburettor / fuel injection                          |     | Aisan           |
| Type / ref                                            |     | 5EVA, 5EUB (2V) |
| Main jet / needle                                     |     | —               |
| Injection pressure                                    | bar | —               |
| Pump pressure                                         | bar | 0.19 to 0.26    |
| Octane rating                                         | RON | 98[E 95 RON]    |

Ignition system

Colt 1300 GL1988 to 1990

|                                 |                    |                 |
|---------------------------------|--------------------|-----------------|
| Type                            |                    | Electronic      |
| Ignition coil                   |                    | F-100           |
| Primary resistance              | ohms               | 1.08 to 1.32    |
| Ballast resistor                | ohms               | 1.22 to 1.49    |
| Voltage - Tmnl 15(+) to earth   | V                  | —               |
| Distributor                     |                    | Mitsubishi      |
| Points gap (air gap)            | mm                 | —               |
| Dwell angle                     | ° (%)              | —               |
| Condenser capacity              | µF                 | —               |
| Rotation                        |                    | —               |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 4±2 BTDC @ idle |
| V = Vacuum NV = No Vacuum       |                    | NV              |
| Total ignition advance          | ° Crankshaft @ rpm | —               |
|                                 | ° Crankshaft @ rpm | —               |
|                                 | ° Crankshaft @ rpm | —               |
| Centrifugal check.              | ° Crankshaft @ rpm | 0 @ 1500        |
|                                 | ° Crankshaft @ rpm | 5 @ 2500        |
|                                 | ° Crankshaft @ rpm | 16 @ 6000       |
| Vacuum range check              | mbar               | 133 to 400      |
| Maximum vacuum advance          | ° Crankshaft       | 15              |
| Spark plugs                     |                    | NGK/Champion    |
| Type                            |                    | BPR6ES / RN9YC  |
| Electrode gap                   | mm                 | 0.70 to 0.80    |

Electrical system

Colt 1300 GL1988 to 1990

|                                                     |             |                         |
|-----------------------------------------------------|-------------|-------------------------|
| Battery                                             | V / CC / RC | 12 / 101 / 348          |
| Alternator voltage / full load current / engine rpm |             | 13.4 to 14.9 / _ / 2500 |
| Starter motor current / voltage - cranking          | A / V       | —                       |
| - locked                                            | A / V       | —                       |

Running gear

Colt 1300 GL1988 to 1990

|                                          |    |     |
|------------------------------------------|----|-----|
| Brakes -                                 |    |     |
| Front (min. friction material thickness) | mm | 2.0 |
| Rear (min. friction material thickness)  | mm | 1.0 |

|                                  |      |           |
|----------------------------------|------|-----------|
| Tyres                            |      |           |
| Saloon                           | Size | 155x13    |
| Estate / Van                     | Size | —         |
| Pressure - front / rear - Saloon | bar  | 2.0 / 2.0 |
| - Estate / Van                   | bar  | —         |

|                                    |        |            |
|------------------------------------|--------|------------|
| Front suspension / wheel alignment |        |            |
| Toe-in (+) / Toe-out (–)           | mm [°] | 0±1.5      |
| Camber                             |        | 0±30'      |
| Castor                             |        | +2°20'±30' |
| King pin inclination               |        | +12°30'    |

|                                   |        |           |
|-----------------------------------|--------|-----------|
| Rear suspension / wheel alignment |        |           |
| Toe-in (+) / Toe-out (–)          | mm [°] | 0±2.25 PW |
| Camber                            |        | -40'±35'  |

Torque wrench settings

Colt 1300 GL1988 to 1990

|                         |    |            |
|-------------------------|----|------------|
| Cylinder head - stage 1 | Nm | 35         |
| - stage 2               | Nm | 70 to 75 C |
| Cylinder head - stage 3 | Nm | 80 to 85 H |
| - stage 4               | Nm | —          |
| Big-end bearings        | Nm | 32 to 35   |
| Main bearings           | Nm | 50 to 55   |
| Clutch cover            | Nm | 15 to 21   |
| Flywheel [driveplate]   | Nm | 130 to 140 |
| Front hubs              | Nm | 200 to 260 |
| Rear hubs               | Nm | 150 to 200 |
| Wheel nuts / bolts      | Nm | 90 to 110  |
| Spark plugs             | Nm | 20 to 30   |

Capacities

Colt 1300 GL1988 to 1990

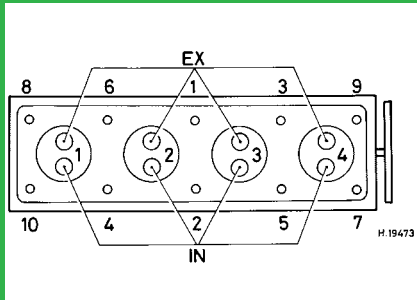
|                                 |        |     |
|---------------------------------|--------|-----|
| Engine oil & filter             | litres | 3.4 |
| Gearbox - 4-speed [5-speed]     | litres | 1.8 |
| Automatic transmission - refill | litres | —   |
| Final drive                     | litres | WT  |
| Cooling system                  | litres | 5.0 |
| Fuel tank                       | litres | 50  |

Notes and Illustrations



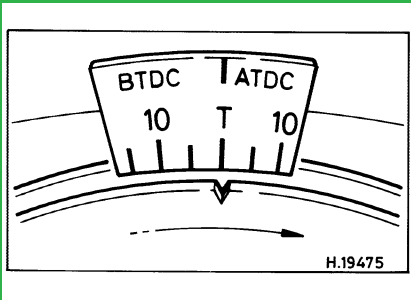
1: Idle speed

2: CO / Mixture



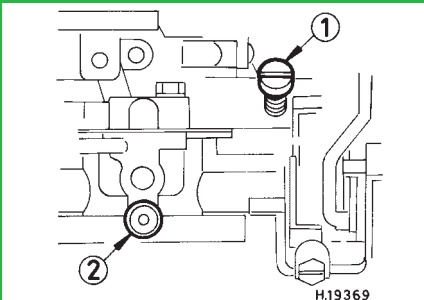
H19473

1299 cm<sup>3</sup>, 8V



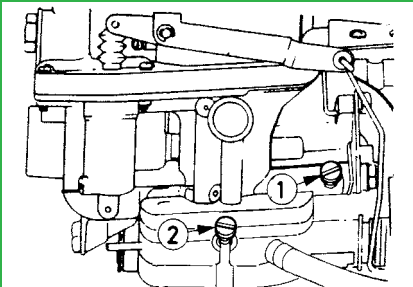
H19475

1299 cm<sup>3</sup>



H19369

Aisan, alternative



H19818

Aisan, 8V