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## Automotive Technical DATA BOOK

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HELP

### Engine and cooling system Colt, Lancer 1500 1984 to 1989

|   |     |           |
|---|-----|-----------|
| Type  |     | 4G15      |
| Capacity (cm <sup>3</sup> ) / number of cylinders |     | 1468 / 4  |
| Compression ratio / pressure                      | bar | 9.4 / _   |
| Oil pressure                                      | bar | 1.5 [3.5] |
| Oil temperature                                   | °C  | 80        |
| 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 | 0.6       |

### Fuel system Colt, Lancer 1500 1984 to 1989

|   |     |                   |
|---|-----|-------------------|
| Idle speed - manual [auto]                            | rpm | 750±50 [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  |     | 6SQ A [6SP A, AT] |
| Main jet / needle                                     |     | 99, 159           |
| Injection pressure                                    | bar | _                 |
| Pump pressure   | bar | _                 |
| Octane rating   | RON | 98[E 95 RON]      |

### Ignition system Colt, Lancer 1500 1984 to 1989

|                                 |                    |                |
|---------------------------------|--------------------|----------------|
| Type                            |                    | Electronic     |
| Ignition coil                   |                    | LB63           |
| Primary resistance              | ohms               | 1.2±0.1        |
| Ballast resistor                | ohms               | _              |
| Voltage - Tmnl 15(+) to earth   | V                  | _              |
| Distributor                     |                    | Mitsubishi     |
| Points gap (air gap)            | mm                 | _              |
| Dwell angle                     | ° (%)              | _              |
| Condenser capacity              | µF                 | _              |
| Rotation                        |                    | Clockwise      |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 5±2 BTDC @ 750 |
| V = Vacuum NV = No Vacuum       |                    | NV             |
| Total ignition advance          | ° Crankshaft @ rpm | _              |
|                                 | ° Crankshaft @ rpm | _              |
|                                 | ° Crankshaft @ rpm | _              |
| Centrifugal check.              | ° Crankshaft @ rpm | 0 @ 1000       |
|                                 | ° Crankshaft @ rpm | 26 @ 6000      |
|                                 | ° Crankshaft @ rpm | _              |
| Vacuum range check              | mbar               | 133 to 400     |
| Maximum vacuum advance          | ° Crankshaft       | 15             |
| Spark plugs                     |                    | NGK/Champion   |
| Type                            |                    | BPR5ES / RN9YC |
| Electrode gap                   | mm                 | 0.70 to 0.80   |

### Electrical system Colt, Lancer 1500 1984 to 1989

|   |             |                         |
|---|-------------|-------------------------|
| Battery   | V / CC / RC | 12 / 60Ah               |
| Alternator voltage / full load current / engine rpm |             | 14.4 to 15.0 / _ / 3000 |
| Starter motor current / voltage - cranking          | A / V       | 60 / 11.5 (no load)     |
| - locked  | A / V       | _                       |

### Running gear Colt, Lancer 1500 1984 to 1989

|  |    |     |
|--|----|-----|
| <b>Brakes -</b>                          |    |     |
| Front (min. friction material thickness) | mm | 1.0 |
| Rear (min. friction material thickness)  | mm | 1.0 |

|                                  |      |                   |
|----------------------------------|------|-------------------|
| <b>Tyres</b>                     |      |                   |
| Saloon                           | Size | 155x13: 175/70x13 |
| Estate / Van                     | Size | 155x13: 175/70x13 |
| Pressure - front / rear - Saloon | bar  | 1.6 / 1.6         |
| - Estate / Van                   | bar  | 1.6 / 1.6         |

### Front suspension / wheel alignment

|                          |        |          |
|--------------------------|--------|----------|
| Toe-in (+) / Toe-out (-) | mm [°] | 0±1.5    |
| Camber                   |        | 0±30'    |
| Castor                   |        | +43'±30' |
| King pin inclination     |        | _        |

### Rear suspension / wheel alignment

|                          |        |      |
|--------------------------|--------|------|
| Toe-in (+) / Toe-out (-) | mm [°] | 0    |
| Camber                   |        | -40' |

### Torque wrench settings Colt, Lancer 1500 1984 to 1989

|                         |    |                         |
|-------------------------|----|-------------------------|
| 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 <sup>1</sup> |
| Front hubs              | Nm | 118 to 177              |
| Rear hubs               | Nm | WSM                     |
| Wheel nuts / bolts      | Nm | Steel: 75. Alloy: 90    |
| Spark plugs             | Nm | 20 to 29                |

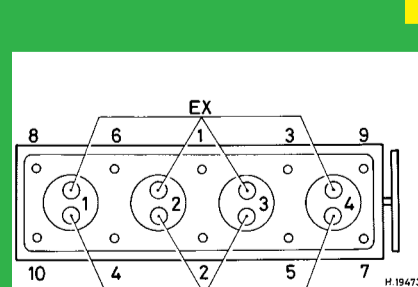
### Capacities Colt, Lancer 1500 1984 to 1989

|                                 |        |                |
|---------------------------------|--------|----------------|
| Engine oil & filter             | litres | 3.5            |
| Gearbox - 4-speed [5-speed]     | litres | 2.1            |
| Automatic transmission - refill | litres | 5.8            |
| Final drive                     | litres | WT             |
| Cooling system                  | litres | 5.0            |
| Fuel tank                       | litres | 45. Estate: 47 |

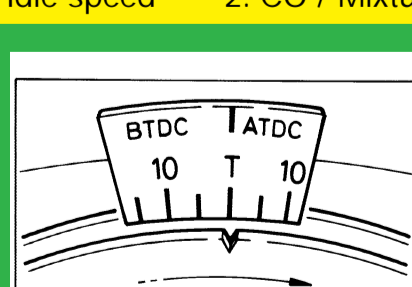
### Notes and Illustrations

<sup>1</sup>[35 to 42]

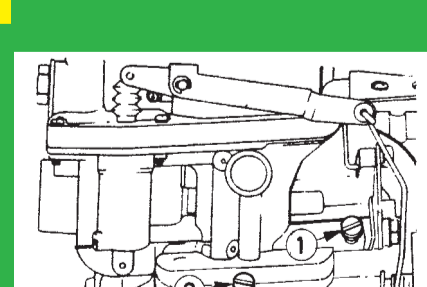
1: Idle speed 2: CO / Mixture



1468 cm<sup>3</sup>, 8V



1468 cm<sup>3</sup>



Aisan, 8V