

Engine & Cooling

Fuel

Ignition

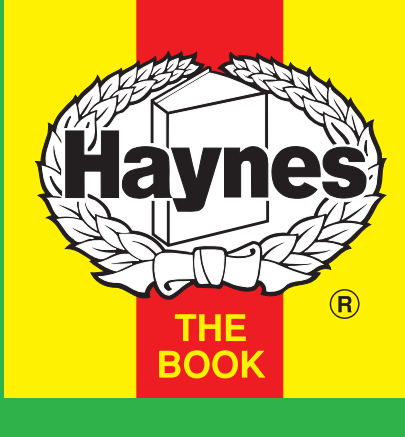
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling system

Colt, Lancer 1200

1984 to 1988

Type		4G16
Capacity (cm ³) / number of cylinders		1198 / 4
Compression ratio / pressure	bar	9.5 / _
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 1200

1984 to 1988

Idle speed - manual [auto]	rpm	750±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
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Aisan
Type / ref		6SO A
Main jet / needle		99, 159
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	98[E 95 RON]

Ignition system

Colt, Lancer 1200

1984 to 1988

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	6±2 BTDC @ 750
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1700
	° Crankshaft @ rpm	19 @ 6000
	° Crankshaft @ rpm	_
Vacuum range check	mbar	133 to 400
Maximum vacuum advance	° Crankshaft	15
Spark plugs		NGK/Champion
Type		BPR5ES / RN11YC
Electrode gap	mm	0.70 to 0.80

Electrical system

Colt, Lancer 1200

1984 to 1988

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 1200

1984 to 1988

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

Tyres		
Saloon	Size	155x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.6 / 1.6
- Estate / Van	bar	_

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 1200

1984 to 1988

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	118 to 177
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	Steel: 75. Alloy: 90
Spark plugs	Nm	20 to 29

Capacities

Colt, Lancer 1200

1984 to 1988

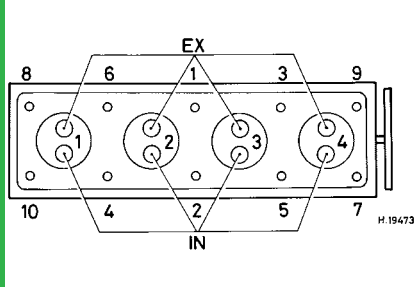
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.1
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	45

Notes and Illustrations

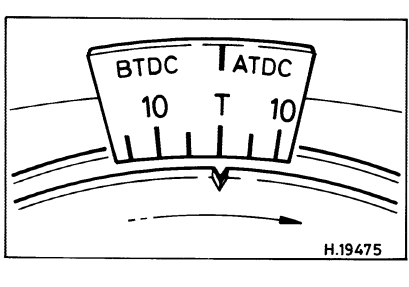


1: Idle speed

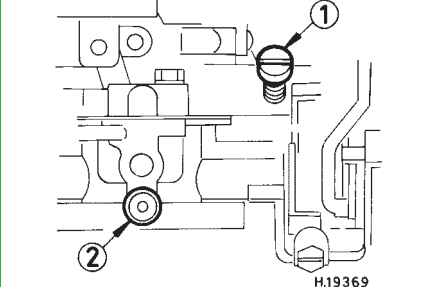
2: CO / Mixture



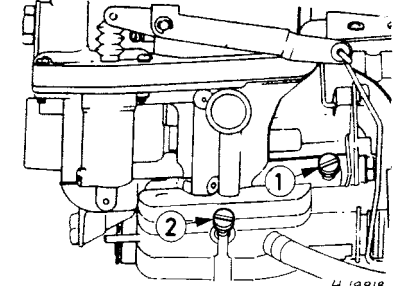
1198 cm³, 8V



1198 cm³



Aisan, alternative



Aisan, 8V