

Engine & Cooling

Fuel

Ignition

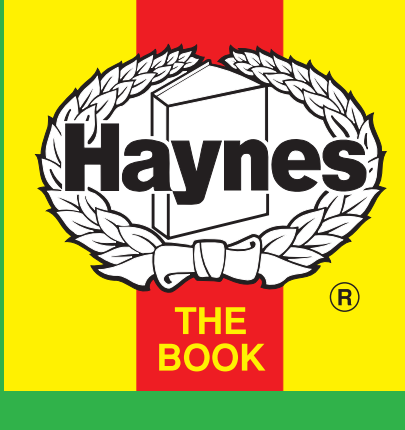
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling system

Colt, Lancer 1500

1984 to 1989

Type		4G15
Capacity (cm ³) / 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
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ 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

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

Tyres		
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 ¹
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

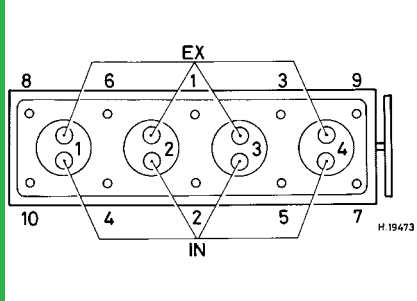
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.1
Automatic transmission - refill	litres	5.8
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	45. Estate: 47

Notes and Illustrations

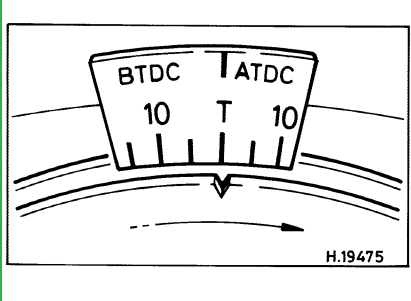
¹[35 to 42]

1: Idle speed

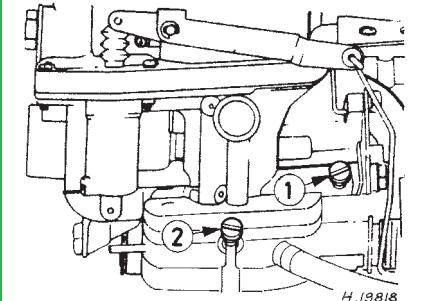
2: CO / Mixture



1468 cm³, 8V



1468 cm³



Aisan, 8V