

MITSUBISHI

Colt 1.3

1996 to 1997

Engine & Cooling

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Automotive Technical
DATA BOOK

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Engine and cooling system

Colt 1.3

1996 to 1997

Type	4G13 SOHC 12V	
Capacity (cm ³) / number of cylinders	1299 / 4	
Compression ratio / pressure	bar	9.5 / ≥8.6
Oil pressure	bar	—
Oil temperature	°C	—
Valve clearance - inlet	mm	H: 0.20
Valve clearance - exhaust	mm	H: 0.25
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	0.74 to 1.03

Fuel system

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Idle speed - manual [auto]	rpm	750±100 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
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	_Mitsubishi	
Type / ref	MPI	
Main jet / needle	—	
Injection pressure	bar	2.6
Pump pressure	bar	3.2
Octane rating	RON	95[U]

Ignition system

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Type	Electronic	
Ignition coil	—	
Primary resistance	ohms	0.5 to 0.7
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	5°±2° BTDC @ 750±100
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	NGK/Nippon Denso	
Type	BPR5ES-11 / W16EPR11	
Electrode gap	mm	1.10

Electrical system

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Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm	14.6 / 80A	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

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

Tyres		
Saloon	Size	175/70x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	Refer to vehicle
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0.0±3.0
Camber	0°00'±30'	
Castor	2°51'±30'	
King pin inclination	12°52'	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	3.0±2.0
Camber	-0°40'±30'	

Torque wrench settings

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Cylinder head - stage 1	Nm	49 ¹
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20 +90°
- stage 4	Nm	+90°
Big-end bearings	Nm	34
Main bearings	Nm	53
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	127 to 137
Front hubs	Nm	216 to 255 N
Rear hubs	Nm	172 N
Wheel nuts / bolts	Nm	98
Spark plugs	Nm	20 to 30

Capacities

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Engine oil & filter	litres	3.3
Gearbox - 4-speed [5-speed]	litres	2.1
Automatic transmission - refill	litres	7.8
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	—

Notes and Illustrations

¹Bolt shank length: ≤103.2 mm

1299 cm³, 12V