

Engine & Cooling

Fuel

Ignition

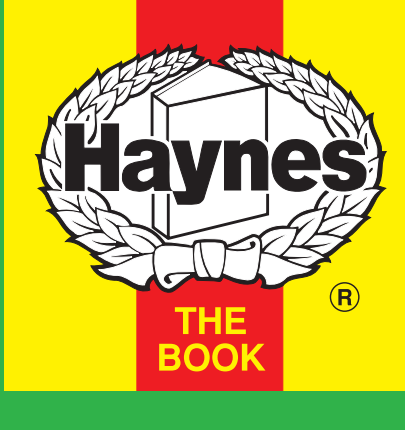
Electrical

Running gear

Torque settings

Capacities

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Automotive Technical
DATA BOOK

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HELP

Engine and cooling system

Cordia 1800 Turbo

1985 to 1989

Type		4G62T
Capacity (cm ³) / number of cylinders		1795 / 4
Compression ratio / pressure	bar	8.1 / 11.3
Oil pressure	bar	0.8
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	0.76 to 1.04

Fuel system

Cordia 1800 Turbo

1985 to 1989

Idle speed - manual [auto]	rpm	750±50 [800±50] N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.5±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		—
Type / ref		Mitsubishi ECI injection
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	2.50 to 2.55
Octane rating	RON	96[L]

Ignition system

Cordia 1800 Turbo

1985 to 1989

Type		Electronic
Ignition coil		MD 069937
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	[0.80]
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	8±2 BTDC @ 850
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 1000
	° Crankshaft @ rpm	15 @ 2000
	° Crankshaft @ rpm	26 @ 5000
Vacuum range check	mbar	80 to 333
Maximum vacuum advance	° Crankshaft	20
Spark plugs		NGK/Champion
Type		BPR7ES / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical system

Cordia 1800 Turbo

1985 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

Cordia 1800 Turbo

1985 to 1989

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

Tyres		
Saloon	Size	195/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.7 / 1.7
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±1.5
Camber		+25'±30'
Castor		+48'±30'
King pin inclination		—

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

Torque wrench settings

Cordia 1800 Turbo

1985 to 1989

Cylinder head - stage 1	Nm	35
- stage 2	Nm	90 to 100 C
Cylinder head - stage 3	Nm	100 to 110 H
- stage 4	Nm	—
Big-end bearings	Nm	50 to 53
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	WSM
Wheel nuts / bolts	Nm	69 to 79
Spark plugs	Nm	20 to 30

Capacities

Cordia 1800 Turbo

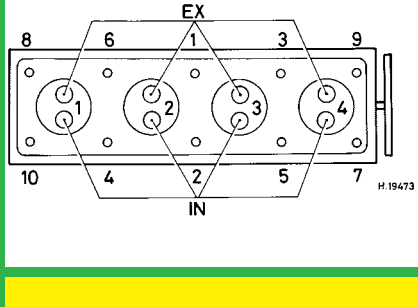
1985 to 1989

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	2.1
Automatic transmission - refill	litres	5.8
Final drive	litres	WT
Cooling system	litres	6.0
Fuel tank	litres	50

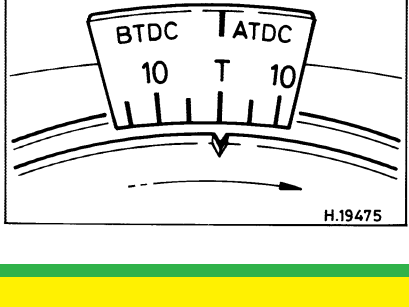
Notes and Illustrations

1: Idle speed

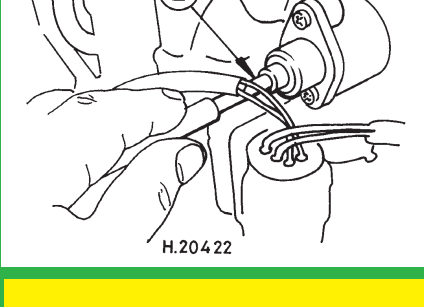
2: CO / Mixture



1795 cm³, 8V



1795 cm³



Mitsubishi ECI