

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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## Automotive Technical DATA BOOK

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HELP

### Engine and cooling system 1.3 MPi 12V CAT 1992 to 1997

Type		4G13-2 SOHC 12V 55kW
Capacity (cm <sup>3</sup> ) / number of cylinders		1298 / 4
Compression ratio / pressure	bar	9.5 / 14.2
Oil pressure	bar	≥0.76
Oil temperature	°C	–
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 1.3 MPi 12V CAT 1992 to 1997

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	–
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
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		Mitsubishi
Type / ref		ECI Multi MPI
Main jet / needle		–
Injection pressure	bar	2.6
Pump pressure	bar	3.3 to 3.5
Octane rating	RON	95[U]

### Ignition system 1.3 MPi 12V CAT 1992 to 1997

Type		Electronic
Ignition coil		In distributor
Primary resistance	ohms	0.9 to 1.2
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±100
V = Vacuum NV = No Vacuum		V
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
Type		BPR5ES-11
Electrode gap	mm	0.70 to 0.80

### Electrical system 1.3 MPi 12V CAT 1992 to 1997

Battery	V / CC / RC	12 / 50Ah
Alternator voltage / full load current / engine rpm		13.4 to 14.9 / 65 / 2500
Starter motor current / voltage - cranking	A / V	–
- locked	A / V	–

### Running gear 1.3 MPi 12V CAT 1992 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0
<b>Tyres</b>		
Saloon	Size	155x13
Estate / Van	Size	–
Pressure - front / rear - Saloon	bar	1.7 / 1.8
- Estate / Van	bar	–
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.5
Camber		0±30'
Castor		+1°6'±30'
King pin inclination		–
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	0
Camber		-40'±35'

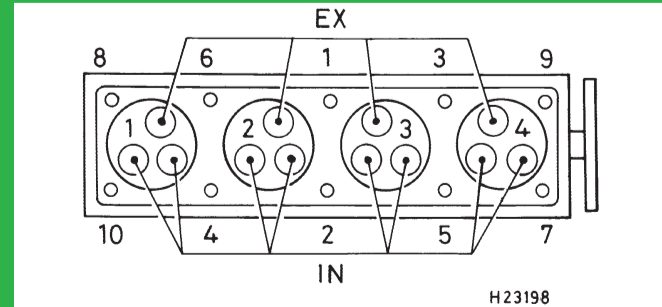
### Torque wrench settings 1.3 MPi 12V CAT 1992 to 1997

Cylinder head - stage 1	Nm	70 to 75 C
- stage 2	Nm	80 to 85 H
Cylinder head - stage 3	Nm	–
- stage 4	Nm	–
Big-end bearings	Nm	32 to 35
Main bearings	Nm	50 to 55
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	130 to 140
Front hubs	Nm	WSM
Rear hubs	Nm	79 to 98
Wheel nuts / bolts	Nm	80
Spark plugs	Nm	20 to 30

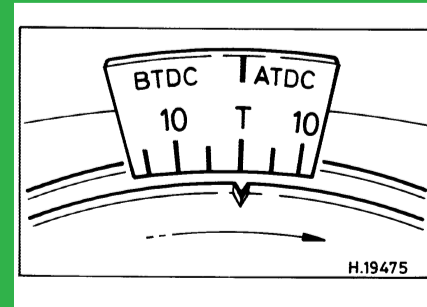
### Capacities 1.3 MPi 12V CAT 1992 to 1997

Engine oil & filter	litres	3.4
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



1298 cm<sup>3</sup>, 12V



1298 cm<sup>3</sup>, 12V