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 — 100/200 Turbo/4x4 2.2i CAT — 1986 to 1991

Type		MC (121kW) SOHC
Capacity (cm³) / number of cylinders		2226 / 5
Compression ratio / pressure	bar	7.8 / ≥6.5
Oil pressure	bar	[2.0]
Oil temperature	ºC	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-2-4-5-3
No 1 cylinder position		TBE
Thermostat opening temperature	ºC	87
Radiator cap pressure	bar	1.2 to 1.5

Fuel system — 100/200 Turbo/4x4 2.2i CAT — 1986 to 1991

Idle speed - manual [auto]	rpm	800±50 [720±50]
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		Bosch
Type / ref		K-Jetronic plus Turbo
Main jet / needle		_
Injection pressure	bar	4.3 to 4.6
Pump pressure	bar	5.8 to 6.6
Octane rating	RON	95[U]

Ignition system — 100/200 Turbo/4x4 2.2i CAT — 1986 to 1991

Type		FEI
Ignition coil		Bosch
Primary resistance	ohms	0.5 to 1.5
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	º Crankshaft @ rpm	[TDC] N/A
V = Vacuum NV = No Vacuum		_
Total ignition advance	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	º Crankshaft	_
Spark plugs		Bosch/Champion
Type		W7DTC / N7YCX
Electrode gap	mm	0.70 to 0.90

Electrical system — 100/200 Turbo/4x4 2.2i CAT — 1986 to 1991

Battery	V / CC / RC	12 / 45Ah
Alternator voltage / full load current / engine rpm		12.5 to 14.5 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear — 100/200 Turbo/4x4 2.2i CAT — 1986 to 1991

Brakes -		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	7.0 with backing
Tyres		
Saloon	Size	205/60x15
Estate / Van	Size	205/60x15
Pressure - front / rear - Saloon	bar	2.1 / 2.1
- Estate / Van	bar	2.1 / 2.1
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[0+5'-10'] 4x4: [+5'+5'-10']
Camber		-30'±30'
Castor		+50'±40'
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+10'±5'] 4x4: [+10'±10']
Camber		-50'±30'. 4x4: -15'±15'

Torque wrench settings — 100/200 Turbo/4x4 2.2i CAT — 1986 to 1991

Cylinder head - stage 1	Nm	40 N
- stage 2	Nm	60
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 + 90°
Main bearings	Nm	65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	Without shoulder: 75[1]
Front hubs	Nm	280
Rear hubs	Nm	WSM[2]
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	20

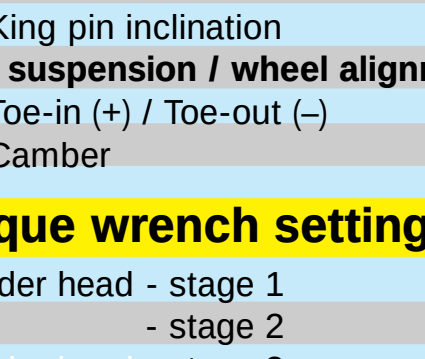
Capacities — 100/200 Turbo/4x4 2.2i CAT — 1986 to 1991

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	2.6
Automatic transmission - refill	litres	3.0
Final drive	litres	AT: 1.0[3]
Cooling system	litres	8.5
Fuel tank	litres	80

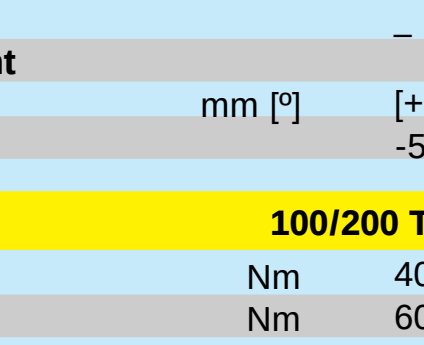
Notes and Illustrations

[1]**With shoulder: 30 + 90°**
[2]**4x4: 360**
[3]**4x4 rear: 1.6**

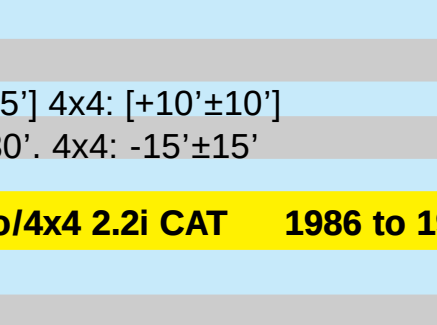
1: Idle speed 2: CO / Mixture



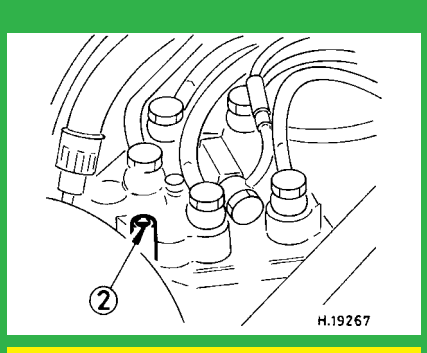
2226 cm³, SOHC 10V



2226 cm³, SOHC 10V



MC, K-Jetronic



MC, K-Jetronic