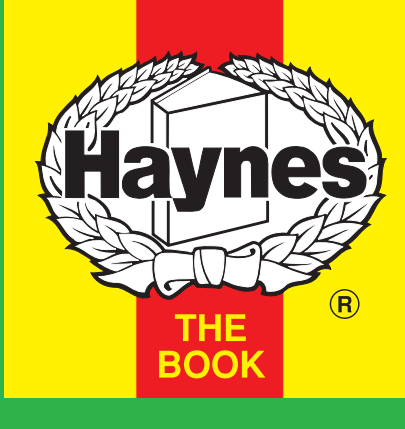




Automotive Technical

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

Brava / Campo CAT 2.3

1995 to 1996

Type		4ZD1 SOHC 72kW
Capacity (cm ³) / number of cylinders		2254 / 4
Compression ratio / pressure	bar	8.6 /
Oil pressure	bar	—
Oil temperature	°C	—
Valve clearance - inlet	mm	—
Valve clearance - exhaust	mm	—
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	—
Radiator cap pressure	bar	—

Fuel system

Brava / Campo CAT 2.3

1995 to 1996

Idle speed - manual [auto]	rpm	—
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
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		—
Type / ref		MPI
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	87[U]

Ignition system

Brava / Campo CAT 2.3

1995 to 1996

Type		Electronic
Ignition coil		—
Primary resistance	ohms	—
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	—
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	—
Maximum vacuum advance	° Crankshaft	—
Spark plugs		—
Type		—
Electrode gap	mm	—

Electrical system

Brava / Campo CAT 2.3

1995 to 1996

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

Running gear

Brava / Campo CAT 2.3

1995 to 1996

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

Tyres		
Saloon	Size	—
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—
Castor		—
King pin inclination		—

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

Torque wrench settings

Brava / Campo CAT 2.3

1995 to 1996

Cylinder head - stage 1	Nm	78 oiled
- stage 2	Nm	88 to 108
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	57 to 61 oiled
Main bearings	Nm	83 to 113 oiled
Clutch cover	Nm	—
Flywheel [driveplate]	Nm	54 to 64
Front hubs	Nm	—
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	—
Spark plugs	Nm	14 to 24

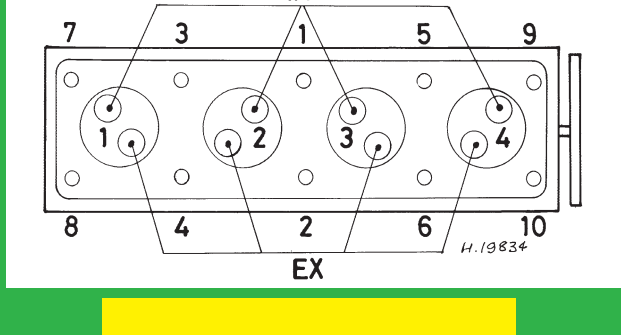
Capacities

Brava / Campo CAT 2.3

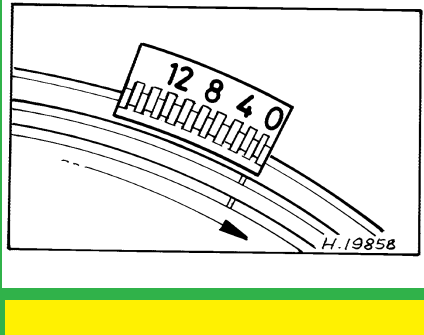
1995 to 1996

Engine oil & filter	litres	4.9
Gearbox - 4-speed [5-speed]	litres	—
Automatic transmission - refill	litres	—
Final drive	litres	—
Cooling system	litres	—
Fuel tank	litres	—

Notes and Illustrations



2254 cm³



2254 cm³