

Engine & Cooling

Fuel

Ignition

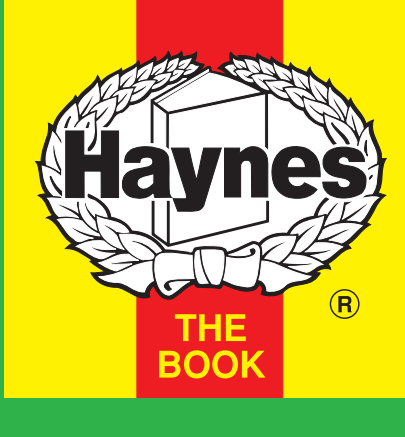
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



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 systemPanda 1000 4x41986 to 1988

Type		156 A3.000 (FIRE)
Capacity (cm ³) / number of cylinders		999 / 4
Compression ratio / pressure	bar	9.8 / _
Oil pressure	bar	[2.9 to 3.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.30±0.05
Valve clearance - exhaust	mm	0.40±0.05
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	85 to 89
Radiator cap pressure	bar	0.98

Fuel systemPanda 1000 4x41986 to 1988

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	_
HC @ idle speed [3000 rpm] - see page VI	ppm	_
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber
Type / ref		32 TLF 8/250
Main jet / needle		105
Injection pressure	bar	_
Pump pressure	bar	≥0.20
Octane rating	RON	98[R]

Ignition systemPanda 1000 4x41986 to 1988

Type		Electronic
Ignition coil		Marelli
Primary resistance	ohms	0.76 to 0.92
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Marelli
Points gap (air gap)	mm	[0.30 to 0.40]
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	2 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 800 to 1200
	° Crankshaft @ rpm	17 to 21 @ 3000
	° Crankshaft @ rpm	26 to 30 @ 4300
Vacuum range check	mbar	133 to 307
Maximum vacuum advance	° Crankshaft	12 to 14
Spark plugs		Bosch/Champion
Type		FR6DC / RC9YC
Electrode gap	mm	0.70 to 0.80

Electrical systemPanda 1000 4x41986 to 1988

Battery	V / CC / RC	12 / 175 / 60
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / _ / 3500
Starter motor current / voltage - cranking	A / V	180 / 9.1
- locked	A / V	320 / 7

Running gearPanda 1000 4x41986 to 1988

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	145x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-4.0±2.0
Camber		+2°20'±30'
Castor		+2°30'±30'
King pin inclination		_

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

Torque wrench settingsPanda 1000 4x41986 to 1988

Cylinder head - stage 1	Nm	30
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	_
Big-end bearings	Nm	41
Main bearings	Nm	40 + 90°
Clutch cover	Nm	16
Flywheel [driveplate]	Nm	44
Front hubs	Nm	220
Rear hubs	Nm	70
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25 to 30

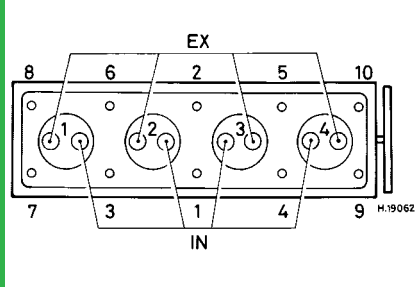
CapacitiesPanda 1000 4x41986 to 1988

Engine oil & filter	litres	3.8
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	_
Final drive	litres	Rear: 1.2
Cooling system	litres	5.2
Fuel tank	litres	35

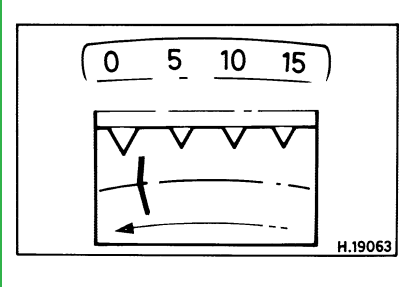
Notes and Illustrations



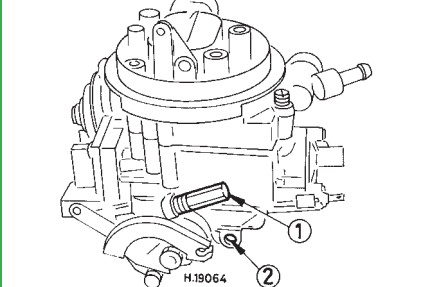
1: Idle speed 2: CO / Mixture



999 cm³



999 cm³



Weber TLF