



HELP

Type	156 A4 000 (E1B5) QUC 35kW
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Capacity (cm ³) / number of cylinders		769 / 4
Compression ratio / pressure	bar	9.4±0.2 / _
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 system	Panda 750 & Van	1986 to 1992
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Idle speed - manual [auto]	rpm	750 to 800
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		Weber
Type / ref		32 TLF 11/250. Van: 11/253
Main jet / needle		105
Injection pressure	bar	—
Pump pressure	bar	≥0.20
Octane rating	RON	98[E 95 RON]

Ignition system	Panda 750 & Van	1986 to 1992
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Type	Contact breaker - CIS	
Ignition coil	Marelli. Bosch. Klitz. Iskra.	
Primary resistance	ohms	2.6 to 3.4 (typical)
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	Marelli	
Points gap (air gap)	mm	0.45
Dwell angle	° (%)	53±2
Condenser capacity	µF	0.20 to 0.25
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	15±1 [AT: 2] BTDC @ idle
V = Vacuum NV = No Vacuum	V	
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	FR7DC / RC9YC	
Electrode gap	mm	0.70 to 0.80

Electrical system	Panda 750 & Van	1986 to 1992
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Battery	V / CC / RC	12 / 175 / 60 (30Ah)
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / 45 / 3500
Starter motor current / voltage - cranking	A / V	180 / 9.1

Running gear	Bando 350 & Ver	1986 to 1993
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Brakes -

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

Tyres

Saloon	Size	135x13: 155/65x13
Estate / Van	Size	135x13
Pressure - front / rear - Saloon	bar	1.8 / 2.0 ¹
Pressure - front / rear - Estate / Van	bar	1.8 / 2.0 ¹

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-2.0±2.0
Camber		+1°±30'
Castor		+2°30'±30'
King pin inclination		

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0
Camber		0

Torque wrench settings		Bands 750 & Ver	1086 to 1093
1	10 Nm (7.4 lbf ft)		
2	10 Nm (7.4 lbf ft)		
3	10 Nm (7.4 lbf ft)		
4	10 Nm (7.4 lbf ft)		
5	10 Nm (7.4 lbf ft)		
6	10 Nm (7.4 lbf ft)		
7	10 Nm (7.4 lbf ft)		
8	10 Nm (7.4 lbf ft)		
9	10 Nm (7.4 lbf ft)		
10	10 Nm (7.4 lbf ft)		
11	10 Nm (7.4 lbf ft)		
12	10 Nm (7.4 lbf ft)		
13	10 Nm (7.4 lbf ft)		
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89	10 Nm (7.4 lbf ft)		
90	10 Nm (7.4 lbf ft)		
91	10 Nm (7.4 lbf ft)		
92	10 Nm (7.4 lbf ft)		
93	10 Nm (7.4 lbf ft)		
94	10 Nm (7.4 lbf ft)		
95	10 Nm (7.4 lbf ft)		
96	10 Nm (7.4 lbf ft)		
97	10 Nm (7.4 lbf ft)		
98	10 Nm (7.4 lbf ft)		
99	10 Nm (7.4		

Torque wrench settings		Panda 750 & van	1986 to 1992
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	216	
Rear hubs	Nm	216	
Wheel nuts / bolts	Nm	86	
Spark plugs	Nm	25 to 30	

Capacities	Banda 750 & Van	1986 to 1992
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Capacities		Panda 750 & van	1986 to 1992
Engine oil & filter	litres	3.9	
Gearbox - 4-speed [5-speed]	litres	2.4	
Automatic transmission - refill	litres	—	
Final drive	litres	WT	
Cooling system	litres	5.2	
Fuel tank	litres	40	

Notes and Illustrations

1155/95-10 00 / 00

1: Idle speed 2: CO / Mixture

