

Engine & Cooling

Fuel

Ignition

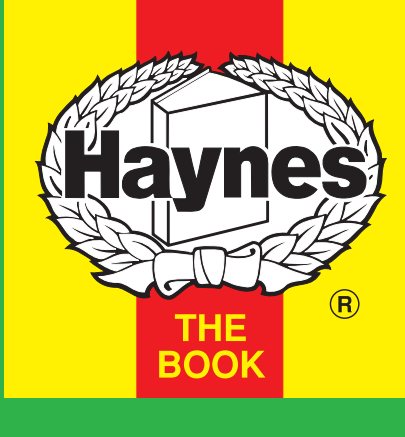
Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling systemSuper Carry CAT1992 to 1997

Type		SOHC 8V
Capacity (cm ³) / number of cylinders		970 / 4
Compression ratio / pressure	bar	8.8 / 13.2
Oil pressure	bar	[2.9 to 4.4]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.13 to 0.18
- exhaust	mm	0.13 to 0.18
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	82 or 88
Radiator cap pressure	bar	0.90

Fuel systemSuper Carry CAT1992 to 1997

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.2 to 0.5 N/A
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		Mikuni
Type / ref		Electronic
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemSuper Carry CAT1992 to 1997

Type		Contact breaker - CIS
Ignition coil		—
Primary resistance	ohms	3.4
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	0.40 to 0.50
Dwell angle	° (%)	52±3
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	8 BTDC @ 950
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		NGK/Nippon Denso
Type		BPR5ES / W16EX-U
Electrode gap	mm	0.70 to 0.80

Electrical systemSuper Carry CAT1992 to 1997

Battery	V / CC / RC	12 / 35Ah
Alternator voltage / full load current / engine rpm		14.2 to 15.2 / 40 / —
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearSuper Carry CAT1992 to 1997

Brakes -		
Front (min. friction material thickness)	mm	6.5 with backing
Rear (min. friction material thickness)	mm	3.0

Tyres		
Saloon	Size	—
Estate / Van	Size	155x12
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	1.7 / 2.5

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.0 to 5.0
Camber		+1°±45'
Castor		5°±1°
King pin inclination		11°25'±2°

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

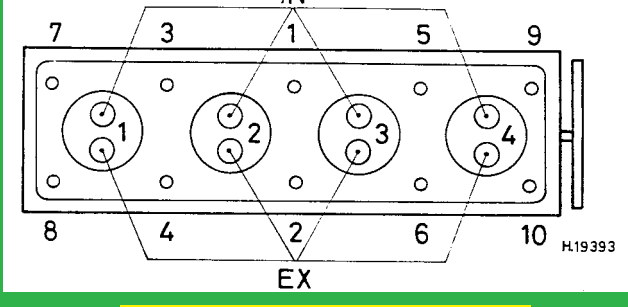
Torque wrench settingsSuper Carry CAT1992 to 1997

Cylinder head - stage 1	Nm	60 to 70
- stage 2	Nm	—
- stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	28 to 32
Main bearings	Nm	43 to 48
Clutch cover	Nm	18 to 28
Flywheel [driveplate]	Nm	40 to 45
Front hubs	Nm	—
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	50 to 80
Spark plugs	Nm	20 to 30

CapacitiesSuper Carry CAT1992 to 1997

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	1.3
Automatic transmission - refill	litres	—
Final drive	litres	1.3
Cooling system	litres	4.0
Fuel tank	litres	36. Pick-up: 37

Notes and Illustrations



970 cm³