

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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MENUHELP

Engine and cooling system

214 Sprinter1996 to 1997

Type	AGL DOHC 16V 105kW	
Capacity (cm³) / number of cylinders	2295 / 4	
Compression ratio / pressure	bar	8.8 / _
Oil pressure	bar	_
Oil temperature	°C	_
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order	1-3-4-2	
No 1 cylinder position	TCE	
Thermostat opening temperature	°C	_
Radiator cap pressure	bar	1.2 to 1.5

Fuel system

214 Sprinter1996 to 1997

Idle speed - manual [auto]	rpm	700 to 800 N/A
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	_ Bosch	
Type / ref	Motronic	
Main jet / needle		
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system

214 Sprinter1996 to 1997

Type	Motronic	
Ignition coil		
Primary resistance	ohms	0.3 to 0.4
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	Computer control N/A
V = Vacuum NV = No Vacuum		
Total ignition advance	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	_
Spark plugs	Beru	
Type	14F8CDUSR	
Electrode gap	mm	0.8

Electrical system

214 Sprinter1996 to 1997

Battery	V / CC / RC	12 / 300 / 66Ah
Alternator voltage / full load current / engine rpm		
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

214 Sprinter1996 to 1997

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

Tyres		
Saloon	Size	_
Estate / Van	Size	195/70x15: 225/70x15
Pressure - front / rear - Saloon	bar	
- Estate / Van	bar	3.25 / 3.5. 225/70:2.25 / 2.75

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

214 Sprinter1996 to 1997

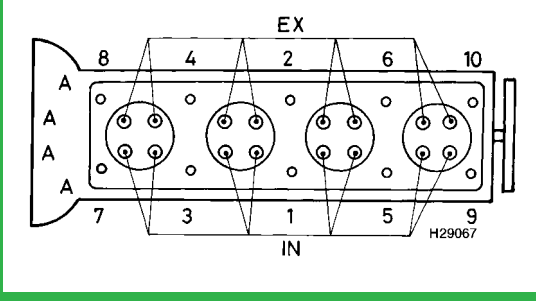
Cylinder head - stage 1	Nm	55 ¹
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	Bolts A: 20
Big-end bearings	Nm	_
Main bearings	Nm	_
Clutch cover	Nm	13
Flywheel [driveplate]	Nm	_
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	170±10
Spark plugs	Nm	25

Capacities

214 Sprinter1996 to 1997

Engine oil & filter	litres	_
Gearbox - 4-speed [5-speed]	litres	2.2
Automatic transmission - refill	litres	_
Final drive	litres	1.5 Twin wheels: 1.8
Cooling system	litres	_
Fuel tank	litres	_

Notes and Illustrations



2295 cm³, 16V