

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system

Fiorino 1.61995 to 1996

Type		146 C6.000 SOHC 55kW
Capacity (cm ³) / number of cylinders		1581 / 4
Compression ratio / pressure	bar	9.2 / _
Oil pressure	bar	_
Oil temperature	°C	_
Valve clearance - inlet	mm	0.40±0.05
Valve clearance - exhaust	mm	0.50±0.05
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	80 to 84
Radiator cap pressure	bar	0.98

Fuel system

Fiorino 1.61995 to 1996

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.10
HC @ idle speed [3000 rpm] - see page VI	ppm	≤30
CO2 @ idle speed [3000 rpm] - see page VI	%	≥13.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_Bosch
Type / ref		SPI
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system

Fiorino 1.61995 to 1996

Type		DIS
Ignition coil		Marelli BAE 504 D
Primary resistance	ohms	0.405 to 0.495
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Marelli
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static V = Vacuum NV = No Vacuum	° Crankshaft @ rpm	10±5 BTDC @ 850±50 N/A
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		_/Champion
Type		RN7YCC
Electrode gap	mm	0.85 to 0.95

Electrical system

Fiorino 1.61995 to 1996

Battery	V / CC / RC	12 / 185 / 45Ah
Alternator voltage / full load current / engine rpm		14.06 to 14.29 / _ / _
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

Fiorino 1.61995 to 1996

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

Tyres		
Saloon	Size	_
Estate / Van	Size	165/70x13
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	2.2 / 1.9

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±2.0
Camber		-20'±20'
Castor		20'±20'
King pin inclination		_

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

Torque wrench settings

Fiorino 1.61995 to 1996

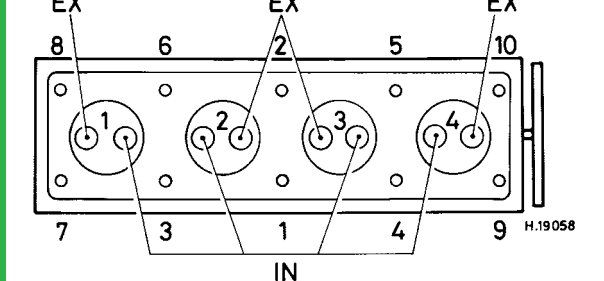
Cylinder head - stage 1	Nm	40
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	_
Big-end bearings	Nm	51
Main bearings	Nm	80
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	83
Front hubs	Nm	216
Rear hubs	Nm	216
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	37

Capacities

Fiorino 1.61995 to 1996

Engine oil & filter	litres	3.35
Gearbox - 4-speed [5-speed]	litres	3.1
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.5
Fuel tank	litres	64

Notes and Illustrations



1581 cm³