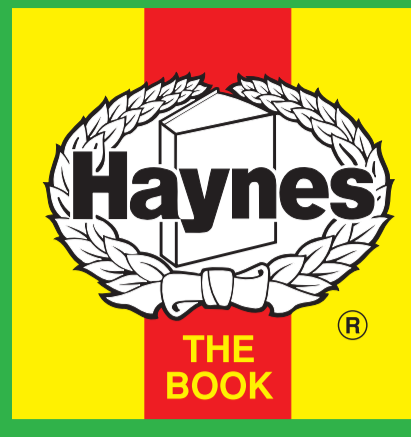


- Engine & Cooling
- Fuel
- Ignition
- Electrical
- Running gear
- Torque settings
- Capacities
- Notes & Illustrations



# 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 system Fiorino 1.6 1995 to 1996

Type	146 C6.000 SOHC 55kW	
Capacity (cm <sup>3</sup> ) / 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 1.6 1995 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 1.6 1995 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	° Crankshaft @ rpm	10±5 BTDC @ 850±50 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	_/Champion	
Type	RN7YCC	
Electrode gap	mm	0.85 to 0.95

## Electrical system Fiorino 1.6 1995 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 1.6 1995 to 1996

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

<b>Tyres</b>		
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		_

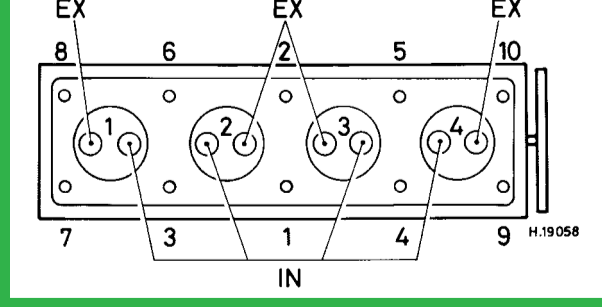
## Torque wrench settings Fiorino 1.6 1995 to 1996

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 1.6 1995 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 cm<sup>3</sup>