

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 1300, Riva & Van 1981 to 1992

Type		2102 or 2105
Capacity (cm ³) / number of cylinders		1294 / 4
Compression ratio / pressure	bar	8.5 / _
Oil pressure	bar	[3.5 to 4.4]
Oil temperature	°C	85
Valve clearance - inlet	mm	0.15
Valve clearance - exhaust	mm	0.15
Firing order		1-3-4-2
No 1 cylinder position		F
Thermostat opening temperature	°C	77 to 86
Radiator cap pressure	bar	0.50

Fuel system 1300, Riva & Van 1981 to 1992

Idle speed - manual [auto]	rpm	820 to 900
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.0 to 1.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤300
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_
Type / ref		2105 or 21051-1107010-(20)
Main jet / needle		2105:107, 162. 21051:97.5,97.5
Injection pressure	bar	_
Pump pressure	bar	0.23 to 0.30
Octane rating	RON	93[E 95 RON]

Ignition system 1300, Riva & Van 1981 to 1992

Type		Contact breaker - CIS
Ignition coil		_
Primary resistance	ohms	3.1 to 3.3
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	0.40±0.03
Dwell angle	° (%)	55±3
Condenser capacity	µF	0.20 to 0.25
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	5 to 7 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 600 to 1000
	° Crankshaft @ rpm	16 to 20 @ 2200
	° Crankshaft @ rpm	29 to 33 @ 5200
Vacuum range check	mbar	93 to 213
Maximum vacuum advance	° Crankshaft	10 to 14
Spark plugs		Champion
Type		RN9YCC
Electrode gap	mm	0.60

Electrical system 1300, Riva & Van 1981 to 1992

Battery	V / CC / RC	12 / 255 / 55Ah
Alternator voltage / full load current / engine rpm		13.9 to 14.5 / 45, 55 / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	500 / 6.5

Running gear 1300, Riva & Van 1981 to 1992

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	2.0

Tyres		
Saloon	Size	165x13: 175x13: 175/70x13
Estate / Van	Size	165x13: 175x13: 175/70x13
Pressure - front / rear - Saloon	bar	1.7 / 1.8
- Estate / Van	bar	1.7 / 2.0

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+4.0±1.0
Camber		+5'±20'
Castor		+3°30'±30'
King pin inclination		+6°4'

Rear suspension / wheel alignment

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

Torque wrench settings 1300, Riva & Van 1981 to 1992

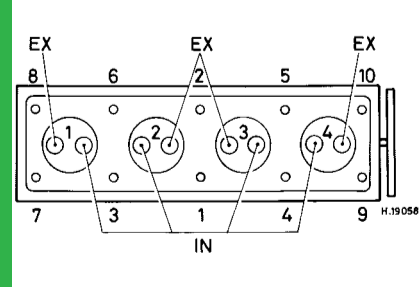
Cylinder head - stage 1	Nm	39. Bolt 11: 15
- stage 2	Nm	113. Bolt 11: 37
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	51
Main bearings	Nm	82
Clutch cover	Nm	30
Flywheel [driveplate]	Nm	83
Front hubs	Nm	WSM
Rear hubs	Nm	_
Wheel nuts / bolts	Nm	69
Spark plugs	Nm	37

Capacities 1300, Riva & Van 1981 to 1992

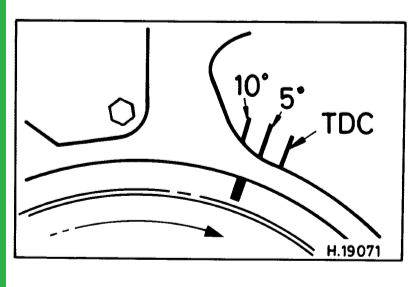
Engine oil & filter	litres	3.75
Gearbox - 4-speed [5-speed]	litres	1.4
Automatic transmission - refill	litres	_
Final drive	litres	1.3
Cooling system	litres	9.9
Fuel tank	litres	39. Est/Van: 45

Notes and Illustrations

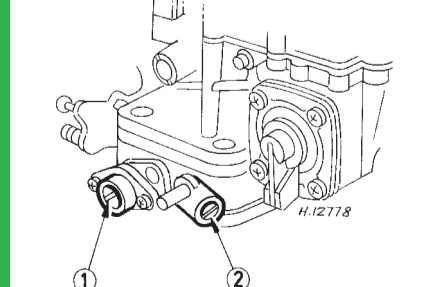
1: Idle speed 2: CO / Mixture



1294 cm³



1294 cm³



2105 / 21051-1107010-(20)