## **ALFA ROMEO**

## Alfa Sprint 1.5

1985 to 1988

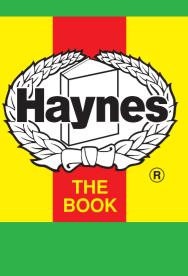
Ignition

Electrical

Running gear

Torque settings Capacities

Notes & Illustrations



**Fuel** 

Engine &

Cooling

Automotive Technical

return to this screen and make another choice, click anywhere on the data screen. **MENU HELP** Alfa Sprint 1.5 1985 to 1988

Click on one of the buttons above to view data for this car. To

1985 to 1988

## Compression ratio / pressure Oil pressure Oil temperature

Capacity (cm<sup>3</sup>) / number of cylinders

**Engine and cooling system** 

Valve clearance - inlet clearance - exhaust Firing order

No 1 cylinder position Thermostat opening temperature Radiator cap pressure

Fuel system Idle speed - manual [auto] Fast idle speed - manual [auto] CO @ idle speed [3000 rpm] - see page VI HC @ idle speed [3000 rpm] - see page VI

CO2 @ idle speed [3000 rpm] - see page VI O2 @ idle speed [3000 rpm] - see page VI Carburettor / fuel injection Type / ref

Main jet / needle Injection pressure Pump pressure Octane rating

**Ignition system** Type Ignition coil Primary resistance Ballast resistor Voltage - Tmnl 15(+) to earth

Distributor Points gap (air gap) Dwell angle Condenser capacity Rotation

Ignition timing - basic [static

V = Vacuum NV = No Vacuum Total ignition advance Centrifugal check.

Spark plugs Type Electrode gap **Electrical system Battery** 

Vacuum range check

Maximum vacuum advance

Alternator voltage / full load current / engine rpm

Starter motor current / voltage - cranking

Running gear Brakes -Front (min. friction material thickness)

Rear (min. friction material thickness) **Tyres** Saloon Estate / Van

King pin inclination Camber

- stage 2 Cylinder head - stage 3 - stage 4

Torque wrench settings

Main bearings Clutch cover Flywheel [driveplate]

Front hubs Rear hubs Wheel nuts / bolts Spark plugs

Gearbox - 4-speed [5-speed] Automatic transmission - refill Final drive Cooling system Fuel tank

Notes and Illustrations

<sup>1</sup>[E 95 RON]: ignition - 3°. [E 98 RON]

**Capacities** 

Engine oil & filter

<sup>2</sup>& Ducellier

1490 cm<sup>3</sup>

bar

bar

°C

mm

mm

°C

bar

rpm

rpm

ppm

%

% %

301.46 1490 / 4 9.5 / 10.31.2 to 2.8 90

> 0.35 to 0.40 0.45 to 0.50 1-3-2-4 FR 84 to 88 0.69 Alfa Sprint 1.5

> > 900 to 1000

Alfa Sprint 1.5

≤1200 Weber/Solex W: 32DIR. S: C32EIES

W: 122, 130. S: 122.5, 137.5 bar bar 0.18 to 0.30 **RON** 98[RA]1 Electronic

Bosch.Ducellier.Marelli 0.7 to 1.0 (typical) ohms ohms ٧ Bosch/Marelli<sup>2</sup> [0.40 to 0.50] mm

° (%)

μF Clockwise ° Crankshaft @ rpm 8±1 BTDC @ 900 (1st mark) NV ° Crankshaft @ rpm 36±1 BTDC @ 4500 (2nd mark) ° Crankshaft @ rpm ° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm mbar <sup>o</sup> Crankshaft Lodge/Champion 25HL / N6YCC

mm V / CC / RC

A/V

A/V

mm

mm

Size

Size

bar

bar

mm [°]

Nm

litres

litres

litres

litres

litres

Champion: 0.80

0.50

1.8 / 1.6

-2.0±1.0

 $[0\pm 25']$ 0±25'

29 oiled

81 to 87

43 to 48

15 to 23

**WSM** 

**WSM** 

28

4.0

3.4

WT

7.3

50

64 to 78

No.7: 20 to 24

66 to 73 oiled

94 to 105 oiled

58

+1°28′±30′ +41'±30'

Alfa Sprint 1.5 12 / 36, 43Ah 14.0 / \_ / 4000 200 to 230 / 9.8 to 10.0 380 to 400 / 8.0

165/70x13: 185/60x14

Alfa Sprint 1.5

Alfa Sprint 1.5

Alfa Sprint 1.5 1985 to 1988 7.0 with backing

Pressure - front / rear - Saloon - Estate / Van

- locked

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

Castor Rear suspension / wheel alignment Toe-in (+) / Toe-out (-)

Cylinder head - stage 1

Big-end bearings

litres

1: Idle speed 2: CO / Mixture H.20082

1490 cm<sup>3</sup>

Weber 32 DIR

Solex C32 EIES