ALFA ROMEO

145, 146 1.3ie 1994 to 1997

Engine & Fuel Ignition Electrical Cooling

Running

gear

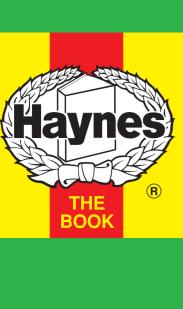
Torque

settings

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

Capacities

Notes & Illustrations



Automotive Technical

data screen. **MENU** 145, 146 1.3ie

1994 to 1997

HELP

Engine and cooling system
Туре
Capacity (cm³) / number of cylinders
Compression ratio / pressure
Oil pressure
Oil temperature
Valve clearance - inlet
Valve clearance - exhaust
Firing order

bar bar °C mm

%

bar

bar

٧

RON

1351 / 4 9.5 / 10.3 0.8 [4.0] 80 0: Hyd.

AR 33501 SOHC 66kW

Weber-Marelli

IAW-8F.6B

2.8 to 3.2

≤4.0

95[U]

IAW

N/A

Lodge

25HL

mm 0: Hyd. 1-3-2-4 No 1 cylinder position FR °C Thermostat opening temperature 86±2 Radiator cap pressure bar 1.0 ± 0.1 145, 146 1.3ie 850±50 rpm rpm % ppm %

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

Vacuum range check Maximum vacuum advance Spark plugs Type Electrode gap **Electrical system** Alternator voltage / full load current / engine rpm Starter motor current / voltage - cranking

Centrifugal check.

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

Tyres Saloon Estate / Van Pressure - front / rear - Saloon Front suspension / wheel alignment

Toe-in (+) / Toe-out (-) Camber Castor King pin inclination

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

Torque wrench settings Cylinder head - stage 1 - stage 2 Cylinder head - stage 3 - stage 4

Big-end bearings

Main bearings

Fuel tank

Clutch cover Flywheel [driveplate] Front hubs Rear hubs Wheel nuts / bolts Spark plugs

Capacities Engine oil & filter Gearbox - 4-speed [5-speed] Automatic transmission - refill Final drive Cooling system

Notes and Illustrations

ohms ohms mm ° (%)

μF ° Crankshaft @ rpm ° Crankshaft @ rpm

° Crankshaft @ rpm mbar ° Crankshaft mm V / CC / RC

A/V A/V mm

bar

mm [°]

mm [°]

Nm Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

litres

litres

litres

litres

litres

litres

1.5 1.5 mm Size Size 2.2 / 2.0 bar

N/A 12 / 45Ah 14 / 65 / _

 $+3.5\pm1.0$

 $+10'\pm20'$ +3°20′±30′

+4.0±2.0

91 to 101

19 to 23

266 to 294

266 to 294

83 to 103 25 to 34

4.0

2.4

WT

6.7

51

53 to 58 oiled

97 to 107 oiled

145, 146 1.3ie

67 to 74. Side: 41 to 50 oiled

145, 146 1.3ie

-1°±15′

30

60

145, 146 1.3ie 145, 146 1.3ie 175/65x14: 185/60x14

Computer control 1994 to 1997 1994 to 1997

1994 to 1997

1994 to 1997

Computer control Computer control

145, 146 1.3ie

1994 to 1997

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Points gap (air gap) Dwell angle Condenser capacity Rotation Ignition timing - basic [static V = Vacuum NV = No Vacuum Total ignition advance

- locked

- Estate / Van