ALFA ROMEO

Ignition

33, 1.3IE, S'wagon, 4x4 CAT

Torque

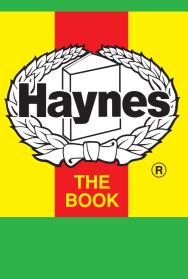
settings

Capacities

1990 to 1994

Notes &

Illustrations



Fuel

Engine &

Cooling

Automotive Technical

Electrical

data for this car. To return to this screen and make another choice, click anywhere on the data screen. **MENU HELP** 1990 to 1994 33, 1.3IE, S'wagon, 4x4 CAT

Click on one of the buttons above to view

307.53 SOHC (65kW)

1990 to 1994

1990 to 1994

1990 to 1994

1990 to 1994

Oii piessuie	
Oil temperature	
Valve clearance - inlet	

Engine and cooling system

Capacity (cm3) / number of cylinders

9.5 / 10.3 1.2 to 2.8 90

1351 / 4

84 to 88

0.9 to 1.1

Weber-Marelli

33, 1.3IE, S'wagon, 4x4 CAT

Computer control

Computer control

Computer control

Champion

IAW

2.5±0.2

95[U]

IAW

Twin

12.0

Valve clearance - exhaust Firing order

Compression ratio / pressure

No 1 cylinder position Thermostat opening temperature mm mm °C

bar

bar

bar

RON

bar

bar

°C

Running

gear

0.35 to 0.40 0.45 to 0.50 1-3-2-4 FR

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

33, 1.3IE, S'wagon, 4x4 CAT N/A rpm rpm % ≤0.3 ppm ≤200 % %

1990 to 1994

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

Type

Main jet / needle Injection pressure Pump pressure Octane rating

Ignition system

Dwell angle Condenser capacity Rotation Ignition timing - basic [static V = Vacuum NV = No Vacuum Total ignition advance Centrifugal check.

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

Vacuum range check

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 (-)

- Estate / Van

Camber Castor King pin inclination Rear suspension / wheel alignment Toe-in (+) / Toe-out (-) Camber

Cylinder head - stage 1 - stage 2 Cylinder head - stage 3 - stage 4 Big-end bearings

Torque wrench settings

Main bearings Clutch cover Flywheel [driveplate]

Front hubs Rear hubs Wheel nuts / bolts Spark plugs

Capacities

Engine oil & filter

Gearbox - 4-speed [5-speed]

²Transverse screws: 40 to 49 3Disc brakes: 250 to 300

Automatic transmission - refill Final drive Cooling system Fuel tank **Notes and Illustrations** Warm engine, cool, slacken, oil, and retorque bolts in sequence shown to stage 4. No.7: 20 to 24

Ignition coil Primary resistance Ballast resistor Voltage - Tmnl 15(+) to earth Distributor Points gap (air gap)

ohms ohms ٧ mm ° (%) μF

° Crankshaft @ rpm ° Crankshaft @ rpm

mbar ° Crankshaft mm V/CC/RC

A/V A/V - locked

Size

bar

bar

mm [°]

mm [°]

Nm Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

litres

litres

litres

litres

litres

litres

58

15 to 23

WSM³

4.0

2.6

7.8

25 to 34

4x4 rear: 1.0

50. 4x4: 53

N6YCC 0.80 33, 1.3IE, S'wagon, 4x4 CAT 12 / 255 / 50Ah 14.0 / 55 / 4000 300 / 9.0

400 / 5.0 33, 1.3IE, S'wagon, 4x4 CAT mm mm 165/70x13 Size

7.0 with backing 0.50. Discs: 6.5 165/70x13 1.8 / 1.8 2.2 / 1.8

-4.0±2.0 +1°14′±30′ +2°±30′

 $[0\pm 25']$ 0±25'

33, 1.3IE, S'wagon, 4x4 CAT 29 oiled 81 to 87 81 to 87¹ 43 to 48 66 to 73 oiled²

94 to 105 oiled 427 to 472 88 to 108 33, 1.3IE, S'wagon, 4x4 CAT 1990 to 1994

1351 cm³

H.20082

1351 cm³