ALFA ROMEO

Fuel

33, 1.7 & Sportwagon

Ignition

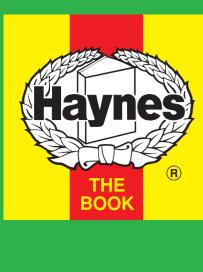
Electrical

Running Torque gear settings

Capacities

Notes & Illustrations

1987 to 1990



Engine &

Cooling

Automotive Technical

return to this screen and make another choice, click anywhere on the data screen. **MENU HELP** 1987 to 1990 33, 1.7 & Sportwagon 305.50 SOHC

1987 to 1990

1987 to 1990

1987 to 1990

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

Oil pressure Oil temperature

Compression ratio / pressure

Valve clearance - inlet learance - 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. Vacuum range check Maximum vacuum advance Spark plugs Type

Electrode gap

Running gear

Brakes -

Electrical system

Battery Alternator voltage / full load current / engine rpm Starter motor current / voltage - cranking

- locked

- Estate / Van

Rear (min. friction material thickness) **Tyres** Saloon

Front (min. friction material thickness)

Pressure - front / rear - Saloon Front suspension / wheel alignment Toe-in (+) / Toe-out (-) Camber

Estate / Van

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 Clutch cover Flywheel [driveplate] Front hubs

Capacities Engine oil & filter Gearbox - 4-speed [5-speed] Automatic transmission - refill

Rear hubs

Spark plugs

Final drive

Fuel tank

Cooling system

Wheel nuts / bolts

1& Ducellier ²M: 6 to 9 @ 900, 12 to 18 @ 1400, 32 to 36 @ 3500. D: 9 @ 1000, 11 to 18 @ 1400, 34 to 38 @ 3740 ³M: 133 to 400. D: 133 to 367 ⁴Warm engine, cool, slacken, oil, and retorque bolts in sequence shown to stage 4. No.7: 20 to 24

Engine and cooling system

Capacity (cm³) / number of cylinders bar bar

°C

mm

mm

°C

bar

rpm

rpm

ppm

%

%

%

bar

bar

9.5 / 10.3 2.0 [4.4] 90 0: Hyd. 0: Hyd.

1712 / 4

1-3-2-4 FR 84 to 88 0.69 33, 1.7 & Sportwagon

900 to 1000 ≤0.5 ≤300

Weber/Dellorto W: 2x40IDF. D: 2x36DRLA 140, 140 0.18 to 0.30 98[E 95 RON]

RON 33, 1.7 & Sportwagon Electronic Bosch. Marelli. Ducellier 0.7 to 1.0 (typical)

ohms ohms V Bosch/Marelli¹ [0.40 to 0.50] mm ° (%) μF

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

° Crankshaft @ rpm B: 12 to 18 @ 1400² ° Crankshaft @ rpm ° Crankshaft @ rpm B: 32 to 36 @ 3600² B: 0 to 4513 mbar 19 to 23 ° Crankshaft Lodge/Champion mm

V / CC / RC A/V A/V

mm

mm

Size

Size

bar

bar

mm [°]

mm [°]

Nm

litres

litres

litres

litres litres 25HL / N6YCC Champion: 0.80

0.50

185/60x14

185/60x14

1.8 / 1.6

1.8 / 1.8

-4.0±1.0

+2°±30′

 $+2.0\pm1.0$ $0 \pm 20'$

29 oiled

81 to 87

81 to 874

43 to 48

15 to 23

WSM

WSM

4.0

2.6

WT

7.3

64 to 78 25 to 34

66 to 73 oiled

94 to 105 oiled

33, 1.7 & Sportwagon

58

33, 1.7 & Sportwagon 12 / 45Ah 13.8 to 14.4 / _ / 4000 200 to 230 / 9.8 to 10.0 380 to 400 / 8.0 **33, 1.7 & Sportwagon**

B: 7 to 9 @ 760²

1987 to 1990 7.0 with backing

-1°±30′. Estate: -40′±30′

33, 1.7 & Sportwagon 1987 to 1990

1987 to 1990

50 litres **Notes and Illustrations**

1712 cm³, 8V

H.20082 1712 cm³, 8V

1: Idle speed

2: CO / Mixture

Dellorto DRLA

Weber 40 IDF