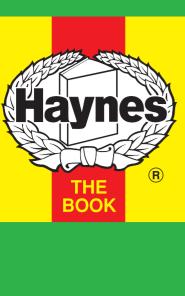
Engine & Electrical **Fuel** Ignition Cooling

Running

gear

Torque settings

Notes & Capacities Illustrations



Automotive Technical

make another choice, click anywhere on the data screen. **MENU HELP** 164 V6 Cloverleaf CAT 1990 to 1993

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

064.301 SOHC 145kW

1990 to 1993

1990 to 1993

Oil temperature
Valve clearance - inlet
Valve clearance - exhaust
Firing order

Engine and cooling system

Capacity (cm³) / number of cylinders

Compression ratio / pressure

Oil pressure

No 1 cylinder position

Thermostat opening temperature Radiator cap pressure Fuel system Idle speed - manual [auto] Fast idle speed - manual [auto]

0.23 to 0.25 1-4-2-5-3-6 FR 87±2

bar

bar

 $^{\circ}C$

mm

mm

°C

bar

rpm

rpm

ppm

%

% %

bar

bar

2959 / 6

10.0 /

90

[3.9 to 5.9]

0.48 to 0.50

0.90 to 1.10 164 V6 Cloverleaf CAT 700 to 800 ≤0.2 Ex ≤70 Ex

Bosch

2.8 to 3.2

2.8 to 3.2

Motronic

0.45 to 0.55

Bosch

Bosch

164 V6 Cloverleaf CAT

Computer control

Computer control

Computer control

Computer control

7±1 BTDC @ idle N/A

95[U]

ML4.1-Motronic

Type / ref Main jet / needle Injection pressure Pump pressure Octane rating

Ignition system Type Ignition coil Ballast resistor

Carburettor / fuel injection

Primary resistance Distributor Dwell angle

Voltage - Tmnl 15(+) to earth Points gap (air gap) 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 **Electrical system Battery** 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 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

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

Capacities

Final drive

Fuel tank

Engine oil & filter

Cooling system

Big-end bearings

Main bearings

Notes and Illustrations

Gearbox - 4-speed [5-speed]

Automatic transmission - refill

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 RON

> ohms ohms ٧ mm ° (%) μF

° Crankshaft @ rpm mbar ° Crankshaft

° Crankshaft @ rpm

mm V/CC/RC

- locked

- Estate / Van

A/V A/V

mm

Size

Size

bar

bar

mm [°]

mm [°]

Nm Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

litres

litres

litres

litres

litres

litres

2959 cm³, 12V

164 V6 Cloverleaf CAT mm

12 / 60Ah 13.0 to 14.0 /70,85,120 / 3000 2.0 2.0

 0 ± 1.0

88 to 98 oiled

1000km: - 360°

98 to 108

20 to 25

113, LkC

95 to 105

7.0

1.6

WT

70

13.0. Refill:9.5

NGK

0.60

PGR6A

164 V6 Cloverleaf CAT 2.2 / 2.0

195/65x15: 205/55x16

164 V6 Cloverleaf CAT

1990 to 1993

1990 to 1993

-1°37′±20′ U/L +2°17′±20′ U/L +5.0±1.0 U/L -1°±20′ U/L

1990 to 1993

Oil, then 98 to 108 53 to 59 oiled 84 to 93 oiled 356 to 400 250 to 300 25 to 34 oiled 164 V6 Cloverleaf CAT 1990 to 1993