Fuel

Engine &

Cooling

Capacities

1991 to 1995

Torque

settings

Running

gear

bar

bar

 $^{\circ}C$

mm

mm

°C

bar

Electrical

Automotive Technical

Ignition

make another choice, click anywhere on the data screen. **MENU HELP** 21, 2.0 & 4x4 CAT (X48R) 1991 to 1995 J7R-7-40 90kW

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

1995 / 4

0.8 [3.0]

1-3-4-2

89 to 101

21, 2.0 & 4x4 CAT (X48R)

875±50 N/A

≤0.3 N/A

≤200

Bendix

 2.5 ± 0.2

 3.0 ± 0.2

Computerized

Computer control

Computer control

Computer control

Eyquem

FC62LS3

1.20 N/A

12 / 210 / 65

95[U]

Renix 0.4 to 0.8

Renix MPI

0.10 to 0.15

0.20 to 0.25

9.3 / _

80

FE

1.2

1991 to 1995

Notes &

Illustrations

Oil temperature Valve clearance - inlet clearance - exhaust

Engine and cooling system

Capacity (cm³) / number of cylinders

Compression ratio / pressure

Oil pressure

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 **Electrical system Battery** Starter motor current / voltage - cranking Running gear Brakes -

Tyres Saloon Estate / Van

Camber

Camber

Castor

Torque wrench settings

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

34x4: -30'±10'

Cooling system

Fuel tank

rpm rpm % ppm % %

bar bar **RON** 21, 2.0 & 4x4 CAT (X48R) ohms ohms ٧

mm ° (%) μF ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm mbar ^o Crankshaft mm

21, 2.0 & 4x4 CAT (X48R) V/CC/RC Alternator voltage / full load current / engine rpm A/V A/V locked

Front (min. friction material thickness) mm Rear (min. friction material thickness) mm Size Size 2.3 / 2.3 bar

bar mm [°]

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

Rear suspension / wheel alignment mm [°]

Cylinder head - stage 1 - stage 2 Cylinder head - stage 3 - stage 4 Big-end bearings Main bearings Clutch cover

Toe-in (+) / Toe-out (-)

King pin inclination

Toe-in (+) / Toe-out (-)

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

Notes and Illustrations ¹ABS: 6.0 ²4x4: +3.0 to 5.0

13.5 to 14.8 / _ / 3000

21, 2.0 & 4x4 CAT (X48R) 6.0 with backing 2.5 with backing¹

 -2.0 ± 1.0

-25'±30' $+2°30'\pm30'$

+12°45′±30′

 $+2.0 \text{ to } 5.0^{2}$

 $+80^{\circ} + 80^{\circ}$

45 to 50

88 to 98

60 [65 to 70]

160. 4x4: 210

21, 2.0 & 4x4 CAT (X48R)

2.2. 4x4: 3.4

4x4 rear: 1.3

66. 4x4: 62

21, 2.0 & 4x4 CAT (X48R)

run for 15 mins.

cool for 3 hours, then + 20°

 $-20'\pm10'^{3}$

20

25

250

90

6.2

6.8

Nm

litres

litres

litres

litres

litres

litres

185/55x15

10 н.19230 1995 cm3, 8V

2

IN