Fuel

Ignition

Capacities

1984 to 1990

Notes &

Illustrations

Engine &

Cooling

Automotive Technical

Electrical

Running

gear

bar

bar

°C

mm

mm

°C

bar

bar

μF

mbar

bar

mm [°]

Nm

litres

litres

litres

litres

litres

litres

2: CO / Mixture

^o Crankshaft

Torque

settings

1587 / 4

0.6 [2.9]

1-3-4-2

80 to 84

800±50

 1.5 ± 0.5

≤1200

Toyota

Electronic

2.3 to 2.8

0.5 to 0.7

98[E 95 RON]

Computerized

[0.20 to 0.40]

NV

1.0

1.0

1.0

185/60x14

1.8 / 1.8

 $+1.0\pm1.0$

 $+15'\pm30'$ +5°20′±30′

+12°±45′

+5.0±1.0

-45'±30'

55 to 64

45 to 521

55 to 64

69 to 78

14

49

19

186

WSM

103 15 to 20

3.7

2.3

WT

5.6

41

12 / 50Ah

10±1 BTDC @ 800

Computer control

Computer control

NGK/Champion

BCPR6EY / RC7YC4

13.5 to 15.1 / _ / 3000

90 / 11.5 (no load)

MR2 (AW 11)

MR2 (AW 11)

MR2 (AW 11)

MR2 (AW 11)

Fuel injection, 4A-GEL

MR2 (AW 11)

1984 to 1990

TBE

80

 $10.0 / \ge 8.8$

data for this car. To return to this screen and make another choice, click anywhere on the data screen. **MENU HELP**

Click on one of the buttons above to view

Compression ratio / pressure	
Oil pressure	
Oil temperature	

Capacity (cm³) / number of cylinders

Compression ratio / pressure

Engine and cooling system

Valve clearance - inlet - 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

Carburettor / fuel injection Type / ref Main jet / needle Injection pressure Pump pressure Octane rating

Ignition system Primary resistance

Type Ignition coil 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

Running gear Brakes -

Tyres Saloon Estate / Van Toe-in (+) / Toe-out (-) Camber

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

Rear hubs Wheel nuts / bolts Spark plugs

Cooling system Fuel tank **Notes and Illustrations** 108.87 ▶: hex head: 49. 12 sided: 39 + 90°

1587 cm³

rpm rpm % ppm % % O2 @ idle speed [3000 rpm] - see page VI bar

> RON ohms ohms ٧ mm ° (%)

° Crankshaft @ rpm ° Crankshaft @ rpm

mm V / CC / RC Alternator voltage / full load current / engine rpm A/V Starter motor current / voltage - cranking A/V - locked

Front (min. friction material thickness) mm Rear (min. friction material thickness) mm Size Size Pressure - front / rear - Saloon bar

- Estate / Van Front suspension / wheel alignment mm [°]

Torque wrench settings Cylinder head - stage 1 - stage 2 - 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 Final drive

1587 cm³ Fuel injection, 4A-GEL

TDC

1: Idle speed

1984 to 1990

0.75 to 1.00

MR2 (AW 11) 4A-GEL (DOHC 16V) 0.15 to 0.25 0.20 to 0.30

MR2 (AW 11) 1984 to 1990