

Engine &

Cooling

**Fuel** 

Ignition

Electrical

gear

Running

settings

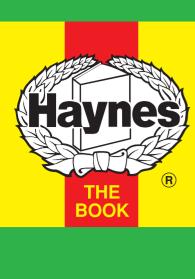
Torque

Capacities

1995 to 1997

Notes &

Illustrations



## Automotive Technical

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 data for this car. To

## Oil pressure Oil temperature Valve clearance - inlet

clearance - exhaust Firing order

No 1 cylinder position Thermostat opening temperature

HC @ idle speed [3000 rpm] - see page VI Type / ref

Distributor Dwell angle Rotation

Condenser capacity Total ignition advance

Spark plugs

Type

Electrode gap **Electrical system Battery** 

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

Cylinder head - stage 1 - stage 2 Cylinder head - stage 3 - stage 4

Big-end bearings Main bearings Clutch cover

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

**Capacities** Engine oil & filter

Gearbox - 4-speed [5-speed] Automatic transmission - refill Final drive Cooling system Fuel tank

**Notes and Illustrations** 

Rear suspension / wheel alignment Toe-in (+) / Toe-out (-) Camber Torque wrench settings

Alternator voltage / full load current / engine rpm Starter motor current / voltage - cranking - locked Running gear

- Estate / Van

Centrifugal check. Vacuum range check Maximum vacuum advance

V = Vacuum NV = No Vacuum

Points gap (air gap) Ignition timing - basic [static

° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm

Voltage - Tmnl 15(+) to earth

**Ignition system** Type Ignition coil Primary resistance Ballast resistor

CO2 @ idle speed [3000 rpm] - see page VI O2 @ idle speed [3000 rpm] - see page VI Carburettor / fuel injection Main jet / needle Injection pressure Pump pressure Octane rating

Radiator cap pressure Fuel system Idle speed - manual [auto] Fast idle speed - manual [auto] CO @ idle speed [3000 rpm] - see page VI

**Engine and cooling system** Capacity (cm<sup>3</sup>) / number of cylinders Compression ratio / pressure

bar

bar

 $^{\circ}C$ 

mm

mm

°C

bar

rpm

rpm

ppm

%

%

%

bar

bar

RON

ohms

ohms

٧

mm ° (%)

μF

mbar

mm

A/V

A/V

mm

mm

Size

Size

bar

bar

mm [°]

mm [°]

Nm

litres

litres

litres

litres

litres

litres

° Crankshaft

V / CC / RC

1840 / 4

0: Hyd.

0: Hyd.

1-3-4-2

850±50

≤300

Mazda

**MPI** 

**TBE** 

80

9.0 / > 9.0

1995 to 1997

1995 to 1997

BP DOHC 16V 97kW

MX-5 1.8i

1.0 to 2.0 [3.0 to 4.0] 86.5 to 89.5 0.75 to 1.05 MX-5 1.8i

0.5±0.5 N/A 2.7 to 3.2 MX-5 1.8i

4.5 to 6.0 95[U] 1995 to 1997 Electronic 10±1 BTDC @ 850±50

Computer control Computer control Computer control NGK/Nippon Denso BKR5/6/7E-11 / K16/20/22PRU-11 1.0 to 1.1 MX-5 1.8i 1995 to 1997 12 / 32Ah

14.3 to 14.9 / 65A

1.0

1.0

185/60x14

1.8 / 1.8

 $3.0 \pm 3.0$ 

24'±45' 4°26′±45′

11°20′

 $3.0 \pm 3.0$ 

-43'±30'

76 to 81

48 to 50

54 to 58

18 to 26

97 to 102 **WSM** 

216 to 294

89 to 117 15 to 23

3.8

2.0

1.0

6.0

48

40

MX-5 1.8i 1995 to 1997

MX-5 1.8i

MX-5 1.8i

1995 to 1997

1995 to 1997

2

ΕX

1840 cm<sup>3</sup>, 16V

10

H.19671