Engine & **Fuel** Cooling

Ignition

Electrical

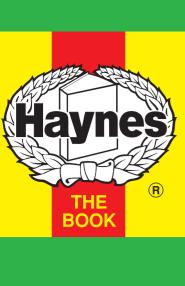
Running gear

settings

Torque

Capacities

Notes & Illustrations



## Automotive Technical

click anywhere on the data screen. **MENU HELP** 

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

Oil pressure	
Oil temperature	
Valve clearance - inlet	

Compression ratio / pressure

- 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 Primary resistance

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** 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)

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

**Tyres** 

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 - 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

**Notes and Illustrations** 

Cooling system

Fuel tank

1298 cm<sup>3</sup>, 8V

**Engine and cooling system** Capacity (cm3) / number of cylinders

bar bar

°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

+3°30′

70 to 75

+9°

mm [°]

mm [°]

Nm Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

litres

litres

litres

litres

litres

litres

° Crankshaft

V / CC / RC

- locked

- Estate / Van

° Crankshaft @ rpm

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

° Crankshaft @ rpm ° Crankshaft @ rpm

° Crankshaft @ rpm

1298 / 4

9.5 / 13.7 [3.0 to 4.1] 85

0.13 to 0.18

0.16 to 0.20

1-3-4-2

82 or 88

850±50

1.5±0.5

≤1200

**Aisan** 

95, 108

**TBE** 

0.90

G13BA SOHC 8V 47kW

Samurai

1992 to 1995

Samurai 1500 to 2500

1992 to 1995 2V Downdraught

1992 to 1995

0.20 to 0.30 91[E 91 RON] Samurai Electronic Nippon Denso 1.35 to 1.65 Nippon Denso [0.20 to 0.40]

Clockwise 10 BTDC @ 850±50 0@1200 16 to 20 @ 5500 130 to 270 11 to 15 NGK/Champion **BPR5ES / RN9YC** 0.70 to 0.80 Samurai 1992 to 1995

12 / 190 / 65 14.2 to 14.8 / 45 / 3000 150 / 9.0 380 to 500 / 5.0 Samurai 1992 to 1995 6.0 with backing 3.0 195x15: 205/70x15

1.4 / 1.4 +2.0 to 6.0 +1°

33 to 37 50 to 57 18 to 28 68 to 72 150 to 270 80 to 120 50 to 80 25 to 30 Samurai 1992 to 1995 3.7 1.3. Transfer: 0.8 Front: 2.0. Rear: 1.5 5.0 40

Samurai

1992 to 1995

(2) Aisan 2V

1: Idle speed 2: CO / Mixture 1298 cm<sup>3</sup>