

Engine & Cooling

Fuel

Ignition

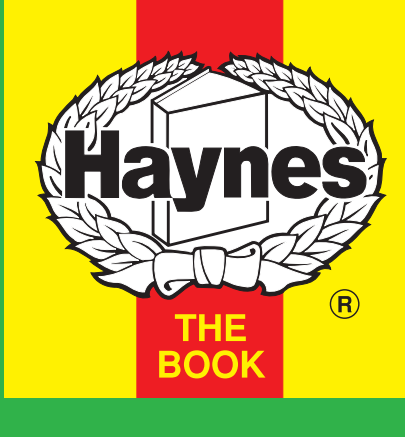
Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling system

Persona 1.3 Compact

1995 to 1997

Type		4G13-2 SOHC 12V 55kW
Capacity (cm ³) / number of cylinders		1298 / 4
Compression ratio / pressure	bar	9.5 / 14.2
Oil pressure	bar	≥0.76
Oil temperature	°C	80
Valve clearance - inlet	mm	0.15 H
Valve clearance - exhaust	mm	0.25 H
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.76 to 1.04

Fuel system

Persona 1.3 Compact

1995 to 1997

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		—Mitsubishi
Type / ref		SEFi MPi
Main jet / needle		—
Injection pressure	bar	3.30 to 3.50
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition system

Persona 1.3 Compact

1995 to 1997

Type		Electronic
Ignition coil		—
Primary resistance	ohms	0.90 to 1.20
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Mitsubishi
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		—
Ignition timing - basic [static	° Crankshaft @ rpm	5±2 BTDC @ 750±100
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		NGK/Nippon Denso
Type		BPR5ES-11 / W16EPR-11
Electrode gap	mm	1.0 to 1.1

Electrical system

Persona 1.3 Compact

1995 to 1997

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm		13.1 to 15.4 / 70A
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

Persona 1.3 Compact

1995 to 1997

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	155x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0.0±3.0
Camber		0°±30'
Castor		2°15'
King pin inclination		12°49'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	1.0 to 5.0
Camber		-40'±30'

Torque wrench settings

Persona 1.3 Compact

1995 to 1997

Cylinder head - stage 1	Nm	70 to 75 C
- stage 2	Nm	80 to 85 H
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	20 +90°
Main bearings	Nm	50 to 55
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	130 to 140
Front hubs	Nm	200 to 260
Rear hubs	Nm	180
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	20 to 30

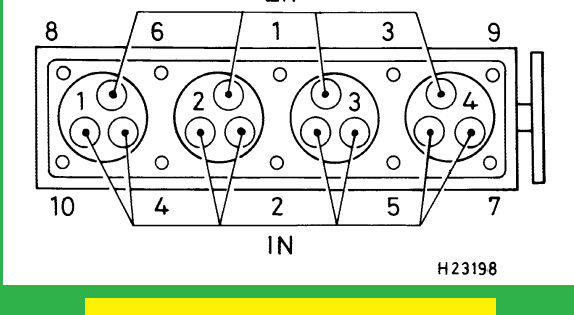
Capacities

Persona 1.3 Compact

1995 to 1997

Engine oil & filter	litres	3.4
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	50

Notes and Illustrations



1298 cm³, 12V