

Engine & Cooling

Fuel

Ignition

Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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

MENU

HELP

Engine and cooling systemPersona 1.6 & Compact1993 to 1997

Type		4G92 SOHC 16V 83kW
Capacity (cm³) / number of cylinders		1597 / 4
Compression ratio / pressure	bar	10.0 / 14.5
Oil pressure	bar	—
Oil temperature	°C	—
Valve clearance - inlet	mm	0.20 H
Valve clearance - exhaust	mm	0.30 H
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	0.75 to 1.05

Fuel systemPersona 1.6 & Compact1993 to 1997

Idle speed - manual [auto]	rpm	800±100
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	3.35
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemPersona 1.6 & Compact1993 to 1997

Type		Electronic
Ignition coil		—
Primary resistance	ohms	0.9 to 1.2
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 @ 800±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		BKR6E-11 / K20PR-U11
Electrode gap	mm	1.0 to 1.1

Electrical systemPersona 1.6 & Compact1993 to 1997

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm		13.1 to 15.4 / 75A
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearPersona 1.6 & Compact1993 to 1997

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

Tyres		
Saloon	Size	185/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.1 / 2.0
- 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 settingsPersona 1.6 & Compact1993 to 1997

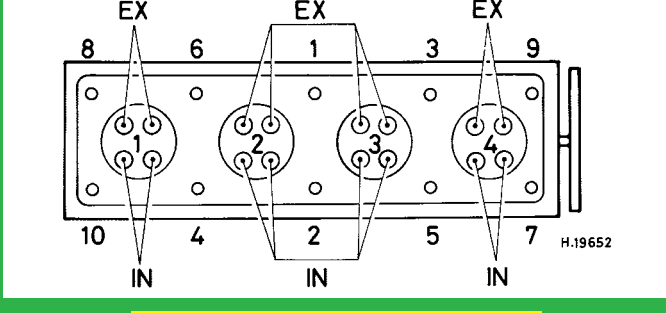
Cylinder head - stage 1	Nm	75, Loosen ¹
- stage 2	Nm	20
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	+90°
Big-end bearings	Nm	20 +90°
Main bearings	Nm	25 +90°
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	95 to 105
Front hubs	Nm	200 to 260
Rear hubs	Nm	180
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	25

CapacitiesPersona 1.6 & Compact1993 to 1997

Engine oil & filter	litres	3.8
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	4.0
Final drive	litres	WT
Cooling system	litres	6.0
Fuel tank	litres	50

Notes and Illustrations

¹Bolt length (below head): ≤96.4mm



1597 cm³, 16V