

MITSUBISHI

Sigma Estate/Wagon CAT

1993 to 1996

Engine & Cooling

Fuel

Ignition

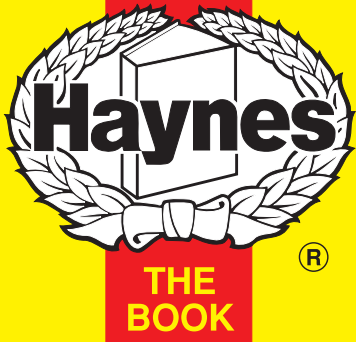
Electrical

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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.

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Engine and cooling system

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Type		6G72 12V 125kW
Capacity (cm ³) / number of cylinders		2972 / 6
Compression ratio / pressure	bar	10.0 / ≥9.8
Oil pressure	bar	—
Oil temperature	°C	—
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-2-3-4-5-6
No 1 cylinder position		—
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	0.76 to 1.04

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Idle speed - manual [auto]	rpm	700±100
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤15
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Mitsubishi
Type / ref		ECI-Multi MPI
Main jet / needle		—
Injection pressure	bar	2.6
Pump pressure	bar	3.2 to 3.5
Octane rating	RON	95[U]

Ignition system

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Type		Electronic
Ignition coil		—
Primary resistance	ohms	0.72 to 0.88
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 @ 700±100 WSM
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
Type		BPR6ES-11
Electrode gap	mm	1.00 to 1.10

Electrical system

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Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm		13.4 to 14.9 / 77 / 2500
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

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

Tyres		
Saloon	Size	—
Estate / Van	Size	205/65x15
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	2.1 / 1.8

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±3.0
Camber		0±30'
Castor		+2°45'±30'
King pin inclination		+13°15'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-3.0 to +3.0
Camber		0±15'

Torque wrench settings

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Cylinder head - stage 1	Nm	120 to 130
- stage 2	Nm	—
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	52
Main bearings	Nm	Mark 9: 80 ¹
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	73 to 77
Front hubs	Nm	200 to 260
Rear hubs	Nm	230
Wheel nuts / bolts	Nm	90 to 110
Spark plugs	Nm	20 to 30

Capacities

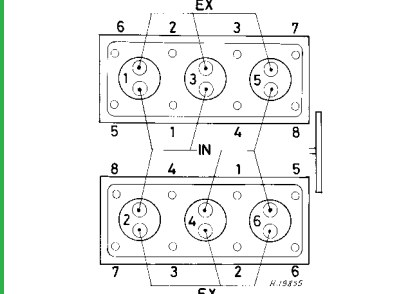
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Engine oil & filter	litres	4.3
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	4.5
Final drive	litres	WT
Cooling system	litres	8.0
Fuel tank	litres	71

Notes and Illustrations

¹Mark 10: 95



2972 cm³, 12V