Automotive Technical DATA BOOK

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MENU HELP

Engine and cooling system — 626, 2.0i CAT — 1992 to 1997

Type		FS DOHC 16V 85kW
Capacity (cm³) / number of cylinders		1991 / 4
Compression ratio / pressure	bar	9.0 / ≥8.4
Oil pressure	bar	[3.9 to 4.9]
Oil temperature	ºC	_
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	ºC	80 to 84
Radiator cap pressure	bar	0.9 to 1.2

Fuel system — 626, 2.0i CAT — 1992 to 1997

Idle speed - manual [auto]	rpm	700±50
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	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Mazda
Type / ref		EGI MPI
Main jet / needle		_
Injection pressure	bar	2.6 to 3.2
Pump pressure	bar	4.5 to 6.5
Octane rating	RON	95[U]

Ignition system — 626, 2.0i CAT — 1992 to 1997

Type		Electronic
Ignition coil		_
Primary resistance	ohms	0.64 to 0.96
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Mitsubishi
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	º Crankshaft @ rpm	12±1 BTDC @ 700±50
V = Vacuum NV = No Vacuum		_
Total ignition advance	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	º Crankshaft	_
Spark plugs		NGK
Type		BKR5E-11
Electrode gap	mm	1.00 to 1.10

Electrical system — 626, 2.0i CAT — 1992 to 1997

Battery	V / CC / RC	12 / 60, 65Ah
Alternator voltage / full load current / engine rpm		14.4 to 14.7 / 80 / 2000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear — 626, 2.0i CAT — 1992 to 1997

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0
Tyres		
Saloon	Size	195/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 1.8
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	+3.0±3.0
Camber		+2°37'±45'
Castor		-36'±45'
King pin inclination		+15°4'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	+3.0±3.0
Camber		-20'±45'

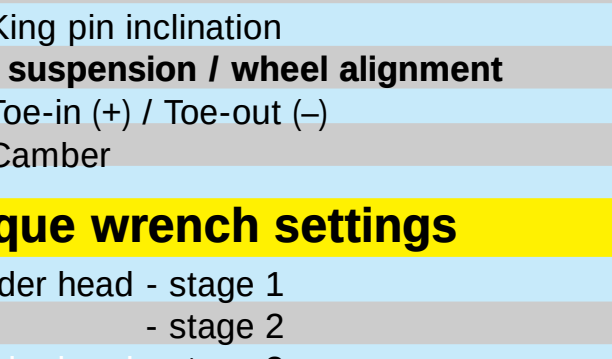
Torque wrench settings — 626, 2.0i CAT — 1992 to 1997

Cylinder head - stage 1	Nm	17 to 22
- stage 2	Nm	+ 85 to 95°
Cylinder head - stage 3	Nm	+ 85 to 95°
- stage 4	Nm	_
Big-end bearings	Nm	22 to 27 +85 to 95°
Main bearings	Nm	17 to 22 +85 to 95°
Clutch cover	Nm	18 to 26
Flywheel [driveplate]	Nm	96 to 103
Front hubs	Nm	235 to 319 N
Rear hubs	Nm	177 to 235 N
Wheel nuts / bolts	Nm	89 to 117
Spark plugs	Nm	15 to 23

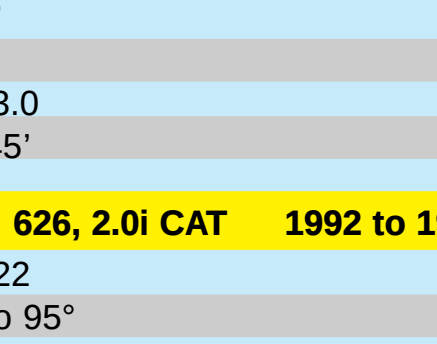
Capacities — 626, 2.0i CAT — 1992 to 1997

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.7
Automatic transmission - refill	litres	6.3
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	60

Notes and Illustrations



1991 cm³



1991 cm³