

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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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.

MENU

HELP

Engine and cooling system Shogun / Pajero 3.5i V6 1994 to 1997

Type		6G74 DOHC 24V V6 152kW
Capacity (cm ³) / number of cylinders		3497 / 6
Compression ratio / pressure	bar	9.5 / _
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	0.8 to 1.0

Fuel system Shogun / Pajero 3.5i V6 1994 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	≤15
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_Mitsubishi
Type / ref		MPI
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system Shogun / Pajero 3.5i V6 1994 to 1997

Type		Electronic
Ignition coil		F504
Primary resistance	ohms	0.72 to 0.88
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	5±2 BTDC @ 700±50
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		PFR5J-11
Electrode gap	mm	1.00 to 1.10

Electrical system Shogun / Pajero 3.5i V6 1994 to 1997

Battery	V / CC / RC	12 / 52Ah
Alternator voltage / full load current / engine rpm		13.9 to 14.9 / 75. AT: 90A
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear Shogun / Pajero 3.5i V6 1994 to 1997

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

Tyres		
Saloon	Size	265/70x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.8 / 1.8
- Estate / Van	bar	_

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	1.8±1.8
Camber		40'±30
Castor		3°±1°
King pin inclination		14°52'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0.0
Camber		0.0

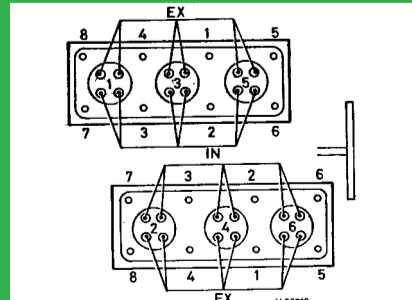
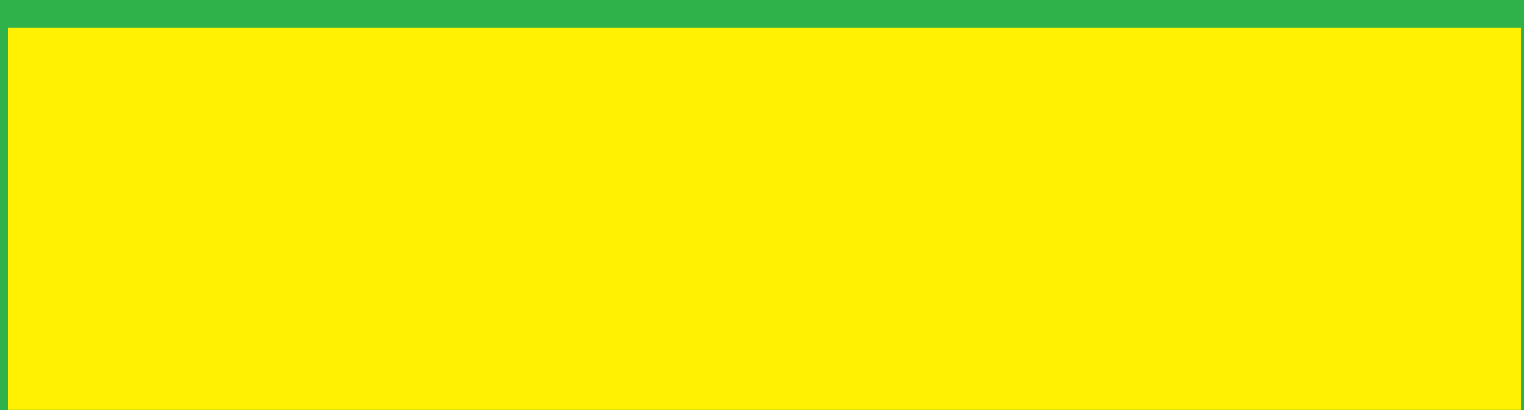
Torque wrench settings Shogun / Pajero 3.5i V6 1994 to 1997

Cylinder head - stage 1	Nm	110
- stage 2	Nm	_
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	52
Main bearings	Nm	Mark 9: 80. Mark 10: 95
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	75
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	100 to 120
Spark plugs	Nm	25

Capacities Shogun / Pajero 3.5i V6 1994 to 1997

Engine oil & filter	litres	4.9
Gearbox - 4-speed [5-speed]	litres	2.5. Transfer: 2.3
Automatic transmission - refill	litres	7.2
Final drive	litres	1.2. Rear: 2.6
Cooling system	litres	9.5
Fuel tank	litres	75. 5D: 92

Notes and Illustrations



3497 cm³, 24V