

The Haynes logo is centered at the top. It consists of a laurel wreath encircling a 3D book. The word "Haynes" is written in a bold, black, sans-serif font across the front of the book. Below the wreath, the words "THE BOOK" are written in a bold, yellow, sans-serif font on a black rectangular background. A registered trademark symbol (®) is located to the right of the text.

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.

HELP

type		6G72 133kW
Capacity (cm ³) / number of cylinders		2972 / 6
Compression ratio / pressure	bar	8.9 / ≥8.4
Oil pressure	bar	[4.9 to 5.9]
Oil temperature	°C	80
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	88
Radiator cap pressure	bar	0.76 to 1.04

Idle speed - manual [auto]	rpm	700±100 N/A
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		ECI. AC54-102 (E2T 37472)
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	3.3 to 3.7
Octane rating	RON	95/11

Ignition system		Original / Factory etc. vs	1999 to 2001
Type			Electronic
Ignition coil			F504
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			Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm		5±2 BTDC @ 700±100
V = Vacuum NV = No Vacuum			NV
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/Champion
Type			BPR5ES-11 / RN9YC4
Electrode gap	mm		1.00 to 1.10

Battery	V / CC / RC	12 / 75Ah
Alternator voltage / full load current / engine rpm		13.9 to 14.9 / _ / 2500
Starter motor current / voltage - cranking	A / V	_

Running gear		Shogun / Pajero 3.0 V6	1989 to 1997
Brakes -			
Front (min. friction material thickness)	mm	2.0	
Rear (min. friction material thickness)	mm	2.0	

Saloon	Size	—
Estate / Van	Size	215x15: 205x16: 265/70x15
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	1

Toe-in (+) / Toe-out (-)	mm [°]	+3.5±3.5
Camber		+40'±30'
Castor		+3°±1°
King pin inclination		+14°52'

Toe-in (+) / Toe-out (-)	mm [°]	0
Camber		0

Torque wrench settings		Shogun / Pajero 3.0 V6	1989 to 1997
Cylinder head - stage 1	Nm	105 to 115	
- 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	73 to 77	
Front hubs	Nm	WSM	
Rear hubs	Nm	WSM	
Wheel nuts / bolts	Nm	100 to 120	

Capacities		Shogun / Pajero 3.0 V6	1989 to 1997
Engine oil & filter	litres	4.9	
Gearbox - 4-speed [5-speed]	litres	2.5. Transfer box: 2.2	
Automatic transmission - refill	litres	7.2. Transfer box: 2.2	
Final drive	litres	Front: 1.1. Rear: 2.6	
Cooling system	litres	9.5	
Fuel tank	litres	92	

¹215x15: 1.8 / 1.8. 205x16: 2.1 / 2.4

