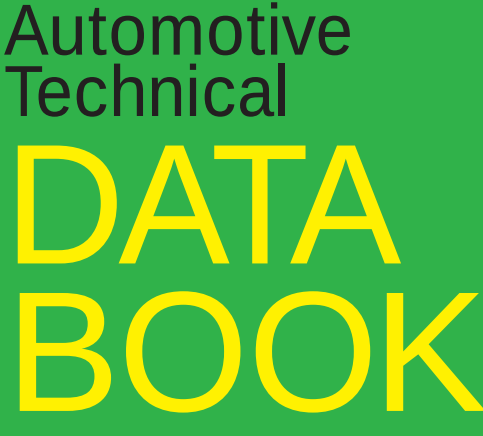




MENU

HELP

1992 to 1997

type		KA24E SOHC 12V
Capacity (cm ³) / number of cylinders		2389 / 4
Compression ratio / pressure	bar	8.6 / ≥9.8
Oil pressure	bar	0.78 [4.12 to 4.81]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TCE
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.78 to 1.00

1992 to 1997

Idle speed - manual [auto]	rpm	800±50
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		Nissan
Type / ref		PCM EFI
Main jet / needle		—
Injection pressure	bar	2.5
Pump pressure	bar	2.94
Octane rating	RON	91[II]

1992 to 1997

Ignition system		NGK Spark plug (B11)	1001 to 1007
Type		Computerized	
Ignition coil		—	
Primary resistance	ohms	—	
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	10±2 BTDC @ 750 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		ZFR5E-11	
Electrode gap	mm	1.00 to 1.10	

1992 to 1997

Battery	V / CC / RC	12 / 180 / 60Ah
Alternator voltage / full load current / engine rpm		14.4 to 15.0 / 60 / 2500
Starter motor current / voltage - cranking	A / V	100 / 11.0

1999 - 2005

Ruuhik

Front (min. friction material thickness)	mm	2.0
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R

Saloon	Size	—
Estate / Van	Size	185x14: 195x14: 205x16
Pressure - front / rear - Saloon	bar	—

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+2.0 to 6.0
Camber		-5' to +1°25'
Castor		-33' to 2°3'

King pin inclination

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

Torque wrench settings		4x4 Pick-up 2.4i (D21)	1992 to 1997
Cylinder head, stage 1	Nm	20	

Cylinder head - stage 1
- stage 2

Cylinder head - stage 3	Nm	Slacken, then 29
- stage 4	Nm	+ 80 to 85°
Big-end bearings	Nm	14 to 16 + 60 to 65°
Main bearings	Nm	46 to 52
Clutch cover	Nm	22 to 29
Flywheel [driveplate]	Nm	142 to 152
Front hubs	Nm	WSM
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	118 to 147
Spark plugs	Nm	20 to 29

1993 to 1997

Capacities		4x4 Pick-up 2.4i (D21)	1992 to 1997
Engine oil & filter	litres	3.3	
Gearbox - 4-speed [5-speed]	litres	4.0. Transfer box: 2.2	
Automatic transmission - refill	litres	–	
Final drive	litres	Front: 1.3. Rear: 1.3	
Cooling system	litres	8.2	
Fuel tank	litres	80	

1. **100%** of the tank

195: 3.0 / 2.7. 205: 1.8 / 2.7

