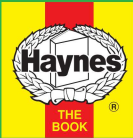


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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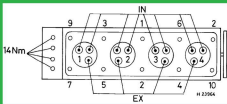


Automotive
Technical
DATA
BOOK

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		4x4 Pick-up 2.4i (D21)	1992 to 1997
Type		KA24E SOHC 12V	
Capacity (cm³) / 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	
Fuel system		4x4 Pick-up 2.4i (D21)	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 PCM EFI	
Type / ref.			
Main jet / needle		—	
Injection pressure	bar	2.5	
Pump pressure	bar	2.94	
Octane rating	RON	91[U]	
Ignition system		4x4 Pick-up 2.4i (D21)	1992 to 1997
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	
Electrical system		4x4 Pick-up 2.4i (D21)	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	
- locked	A / V	—	
Running gear		4x4 Pick-up 2.4i (D21)	1992 to 1997
Brakes -			
Front (min. friction material thickness)	mm	2.0	
Rear (min. friction material thickness)	mm	1.5	
Tyres			
Saloon	Size	—	
Estate / Van	Size	185x14: 195x14: 205x16	
Pressure - front / rear - Saloon	bar	—	
- Estate / Van	bar	185: 3.0 / 2.6¹	
Front suspension / wheel alignment			
Toe-in (+) / Toe-out (-)	mm [°]	+2.0 to 6.0	
Camber		-5° to +1°25'	
Caster		-33° to 2°3'	
King pin inclination		—	
Rear suspension / wheel alignment			
Toe-in (+) / Toe-out (-)	mm [°]	—	
Camber		—	
Torque wrench settings		4x4 Pick-up 2.4i (D21)	1992 to 1997
Cylinder head - stage 1	Nm	29	
- stage 2	Nm	78	
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	
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	
Notes and Illustrations			
¹195: 3.0 / 2.7. 205: 1.8 / 2.7			



2389 cm³, 12V