

4x4 Pick-up 2.4i CAT (D21)

1990 to 1994

Engine & Fuel Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
A	utomoti	ve			
	echnica				
	DAT	A	_	Click on o buttons abo data for th	ove to view
THE BOOK	300	ЭK		return to this make anoth	screen and her choice,
				click anywh data se	
				MENU	HELP
Engine and cooling syst		4x4 Pi	<mark>ck-up 2.4i CA</mark> Z24i SOHC	. <mark>T (D21) 1</mark>	990 to 1994
Capacity (cm <sup>3</sup> ) / number of cylinder Compression ratio / pressure Oil pressure	ΓS	bar bar	2389 / 4 8.3 / ≥9.0 [3.2 to 4.6]		
Oil temperature Valve clearance - inlet		°C mm	80 0.30 H		
Valve clearance - exhaust Firing order No 1 cylinder position		mm	0.30 H 1-3-4-2 F		
Thermostat opening temperature Radiator cap pressure		°C bar	88 0.78 to 1.00		
Fuel system Idle speed - manual [auto]		<mark>4x4 Pi</mark> rpm	<mark>ck-up 2.4i CA</mark> 800±50	. <mark>T (D21) 1</mark>	990 to 1994
Fast idle speed - manual [auto] CO @ idle speed [3000 rpm] - see p	•	rpm %	_ 1.0 to 7.0 N/#	Ą	
HC @ idle speed [3000 rpm] - see p CO2 @ idle speed [3000 rpm] - see O2 @ idle speed [3000 rpm] - see p	page VI	ppm % %	≤200 -		
Carburettor / fuel injection Type / ref		,0	– Nissan TBI ECCS		
Main jet / needle Injection pressure Pump pressure		bar bar	2.5		
Octane rating		RON	91[U]	T (D01) 1	000 4- 1004
Type Ignition coil		4X4 PI	ck-up 2.4i CA Electronic 2x CIT-72/100		
Primary resistance Ballast resistor		ohms ohms	0.84 to 1.02		
Voltage - Tmnl 15(+) to earth Distributor Points gap (air gap)		V mm	– Mitsubishi [0.30 to 0.50]		
Dwell angle Condenser capacity		° (%) µF			
Rotation Ignition timing - basic [static V = Vacuum NV = No Vacuur	° Crankshaft	@ rpm	Anticlockwise 10±2 BTDC @ V		
Total ignition advance	<ul> <li>° Crankshaft</li> <li>° Crankshaft</li> </ul>	@ rpm	_		
Centrifugal check.	<ul> <li>° Crankshaft</li> <li>° Crankshaft</li> <li>° Crankshaft</li> </ul>	@ rpm	_ 0 to 1 @ 1274 12 to 15 @ 26		
Vacuum range check	° Crankshaft	@ rpm mbar	17 to 21 @ 42 133 to 307		
Maximum vacuum advance Spark plugs Type	° Crar	nkshaft	21 NGK/Champi BPR5ES / RN		
Electrode gap Electrical system		mm	0.80 to 0.90 ck-up 2.4i CA		990 to 1994
Battery Alternator voltage / full load current		C / RC	12 / 180 / 60/ 14.4 to 15.0 /	Ah	770 10 1774
Starter motor current / voltage - cra	<b>v</b> .	A / V A / V	100 / 11.0		
Running gear Brakes -		4x4 Pi	<mark>ck-up 2.4i CA</mark>	<mark>.Т (D21) 1</mark>	990 to 1994
Front (min. friction material thic Rear (min. friction material thic		mm mm	2.0 1.5		
Tyres Saloon Estate / Van		Size Size	_ 205x16: 215x	:15	
Pressure - front / rear - Saloon Estate - Erant suspension / wheel alignme		bar bar	_ 1.8 / 2.2		
Front suspension / wheel alignme Toe-in (+) / Toe-out (–) Camber		mm [º]	+4.0±1.0 <sup>1</sup> +36'±30'		
Castor King pin inclination	nt		+1°18′±30′² +8°5′±30′		
Rear suspension / wheel alignme Toe-in (+) / Toe-out (–) Camber		mm [º]	_		
Torque wrench settings Cylinder head - stage 1		<mark>4x4 Pi</mark> Nm	<mark>ck-up 2.4i CA</mark> 29	<mark>\T (D21) 1</mark>	990 to 1994
- stage 2 Cylinder head - stage 3		Nm Nm	78 Loosen, then	29	
- stage 4 Big-end bearings Main bearings		Nm Nm Nm	+ 90 to 95° 37 to 45 44 to 54		
Clutch cover Flywheel [driveplate]		Nm Nm	22 to 29 137 to 157		
Front hubs Rear hubs Wheel nuts / bolts		Nm Nm Nm	WSM _ 118 to 147		
Spark plugs         Nm         20 to 29           Capacities         4x4 Pick-up 2.4i CAT (D21)         1990 to 1994					
Engine oil & filter Gearbox - 4-speed [5-speed]		litres	<mark>ск-up 2.4i С</mark> 4.3 4.0 <sup>3</sup>	(UZI) I	770 10 1994
Automatic transmission - refill Final drive		litres litres	_ Front: 1.3⁴		
Cooling system Fuel tank		litres litres	8.2 60, 80		

## Notes and Illustrations

<sup>1</sup>Wagon: +3.0±1.0 <sup>2</sup>Wagon: +1°37'±30' <sup>3</sup>Transfer: 2.2 <sup>4</sup>Rear: 2.8

1: Idle speed 2: CO / Mixture





