

4x4 Pick-up 2.4i CAT (D21)

1990 to 1994

Engine & Fuel Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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				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 ³) / 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	 ° Crankshaft ° Crankshaft 	@ rpm	_		
Centrifugal check.	 ° Crankshaft ° Crankshaft ° Crankshaft 	@ 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	v .	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 ¹ +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 ³	(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

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

1: Idle speed 2: CO / Mixture





