

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





