

1995 NISSAN TRUCK & PATHFINDER

MODEL D21 SERIES

FOREWORD

This Service Manual contains information concerning necessary service procedures and relevant data for the model D21 series.

All information, illustrations and specifications contained in this Service Manual are based on the latest product information available at the time of publication. If your NISSAN model differs from the specifications contained in this Service Manual, consult your NISSAN distributor for information.

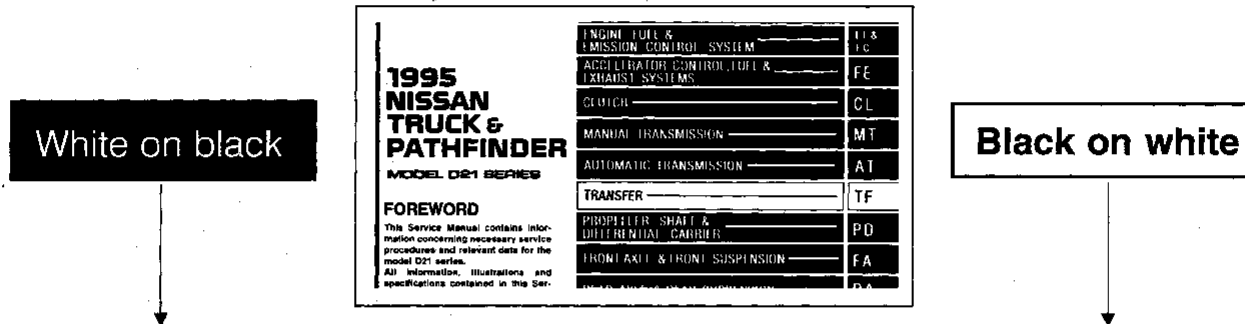
The right is reserved to make changes in specifications and methods at any time without notice.

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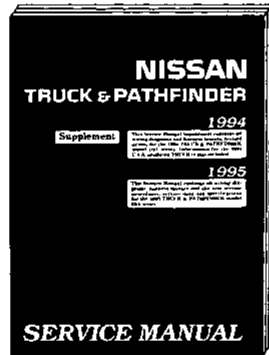
HOW TO USE THIS MANUAL

- ▶ This Service Manual contains the new service procedures, service data and specifications for the 1995 NISSAN TRUCK & PATHFINDER, model D21 series.
- ▶ This Service Manual does not contain the service procedures, etc. which are the same as those for the 1994 models.
Please use this manual in conjunction with the 1994 NISSAN TRUCK & PATHFINDER, model D21 series Service Manual (Pub. No. SM4E-0D21U0).
- ▶ Follow the instruction below when using this manual.



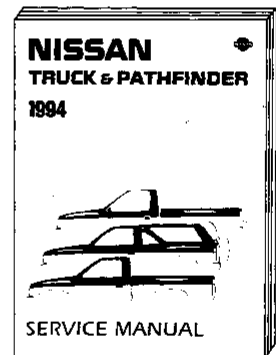
Specific section titles are printed white on a black background in the QUICK REFERENCE INDEX.

Service procedures and service data are added or changed. Use this SERVICE MANUAL. Only the added or changed points are introduced in these chapters.



Those sections which are printed black on a white background are not contained in this manual.

Service procedures are the same as those for the 1994 models. Refer to the 1994 NISSAN TRUCK & PATHFINDER, model D21 series Service Manual (Pub. No. SM4E-0D21U0).



IMPORTANT SAFETY NOTICE

The proper performance of service is essential for both the safety of the technician and the efficient functioning of the vehicle.

The service methods in this Service Manual are described in such a manner that the service may be performed safely and accurately.

Service varies with the procedures used, the skills of the technician and the tools and parts available. Accordingly, anyone using service procedures, tools or parts which are not specifically recommended by NISSAN must first completely satisfy himself that neither his safety nor the vehicle's safety will be jeopardized by the service method selected.

QUICK REFERENCE CHART : TRUCK & PATHFINDER 1995

ENGINE TUNE-UP DATA VG30E

Idle speed rpm	M/T	750±50	
	A/T (in "N" position)	750±50	
Ignition timing (BTDC at idle speed)		15°±2°	
Spark plug (Standard type)		BKR6EY*1, BKR5EY*2	
Drive belt deflection (Cold) mm (in)		Used belt	
		Limit	After adjustment
Alternator		12 (0.47)	6 - 8 (0.24 - 0.31)
Air conditioner compressor		16 (0.63)	9 - 11 (0.35 - 0.43)
Power steering oil pump		17 (0.67)	11 - 13 (0.43 - 0.51)
Applied pushing force N (kg, lb)		98 (10, 22)	
		New belt	
			5 - 7 (0.20 - 0.28)
			7 - 9 (0.28 - 0.35)
			9 - 11 (0.35 - 0.43)

*1: For California
*2: Except for California

ENGINE TUNE-UP DATA KA24E

Idle speed rpm	M/T	800±50	
	A/T (in "N" position)	800±50	
Ignition timing (BTDC at idle speed)		10°±2°	
Spark plug (Standard type)		ZFR5E-11	
Drive belt deflection (Cold) mm (in)		Used belt	
		Limit	After adjustment
Alternator		17 (0.67)	10 - 12 (0.39 - 0.47)
Air conditioner compressor		16 (0.63)	10 - 12 (0.39 - 0.47)
Power steering oil pump		15 (0.59)	9 - 11 (0.35 - 0.43)
Applied pushing force N (kg, lb)		98 (10, 22)	
		New belt	
			8 - 10 (0.31 - 0.39)
			8 - 10 (0.31 - 0.39)
			7 - 9 (0.28 - 0.35)

WHEEL ALIGNMENT (Unladen*1)

Applied model		ALLOWABLE LIMIT		ADJUSTING RANGE	
		2WD Truck	Except 2WD Truck	2WD Truck	Except 2WD Truck
Camber	degree	-0°20' to 1°10'	-0°05' to 1°25'	-0°05' to 0°55'	0°10' - 1°10'
Caster	degree	-0°23' to 1°07'	0°33' - 2°03'	-0°08' to 0°52'	0°48' - 1°48'
Kingpin inclination	degree	8°20' - 9°50'	7°21' - 8°51'	8°35' - 9°35'	7°36' - 8°36'
Toe-in					
Radial tire					
A - B	mm (in)	1 - 5 (0.04 - 0.20)	2 - 6 (0.08 - 0.24)	2 - 4 (0.08 - 0.16)	3 - 5 (0.12 - 0.20)
Total angle 2θ	degree	5' - 25'	9' - 29'	10' - 20'	14' - 24'

*1: Fuel, radiator coolant and engine oil full.
Spare tire, jack, hand tools and mats in designated positions.

CLUTCH PEDAL

		Unit: mm (in)	
Height		VG30E: 227 - 237 (8.94 - 9.33)	KA24E: 238 - 246 (9.29 - 9.69)
Free play		1.0 - 1.5 (0.039 - 0.059)	

BRAKE

		Unit: mm (in)	
Disc brake			
Pad minimum thickness		2.0 (0.079)	
Rotor repair limit		0.07 (0.0028) or less	
Runout			
Minimum thickness		20.0 (0.787), CL28VA 24.0 (0.945), CL28VD 16.0 (0.630), AD14VB	
Drum brake			
Lining minimum thickness		1.5 (0.059)	
Drum repair limit			
Maximum inner diameter		261.5 (10.30), LT26B 296.5 (11.67), LT30A 191.0 (7.52), DS19HB	
Pedal free height			
M/T model		209 - 219 (8.23 - 8.62)	
A/T model		212 - 222 (8.35 - 8.74)	
Pedal depressed height*1		120 (4.72) or more	

*1: Under force of 490 N (50 kg, 110 lb) with engine running

FRONT WHEEL BEARING

Item	Model	
	2WD Truck	Except 2WD Truck
Tightening torque N-m (kg-m, ft-lb)	34 - 39 (3.5 - 4.0, 25 - 29)	-
Return angle degree	45° - 60°	-
Preload (At hub bolt) N (kg, lb)	New seal (1.0 - 2.9, 2.2 - 6.4)	Wheel bearing lock nut Tightening torque N-m (kg-m, ft-lb) 78 - 98 (8 - 10, 58 - 72)
	Used seal (1.0 - 2.4, 2.2 - 5.3)	Retightening torque after loosening wheel bearing lock nut N-m (kg-m, ft-lb) 0.5 - 1.5 (0.05 - 0.15, 0.4 - 1.1)
		Axial end play mm (in) 0 (0)
		Starting force at wheel hub bolt N (kg, lb) A
		Turning angle degree 15° - 30°
		Starting force at wheel hub bolt N (kg, lb) B
		Wheel bearing preload at wheel hub bolt N (kg, lb) 7.06 - 20.99 (0.72 - 2.14, B - A) 1.59 - 4.72