

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.

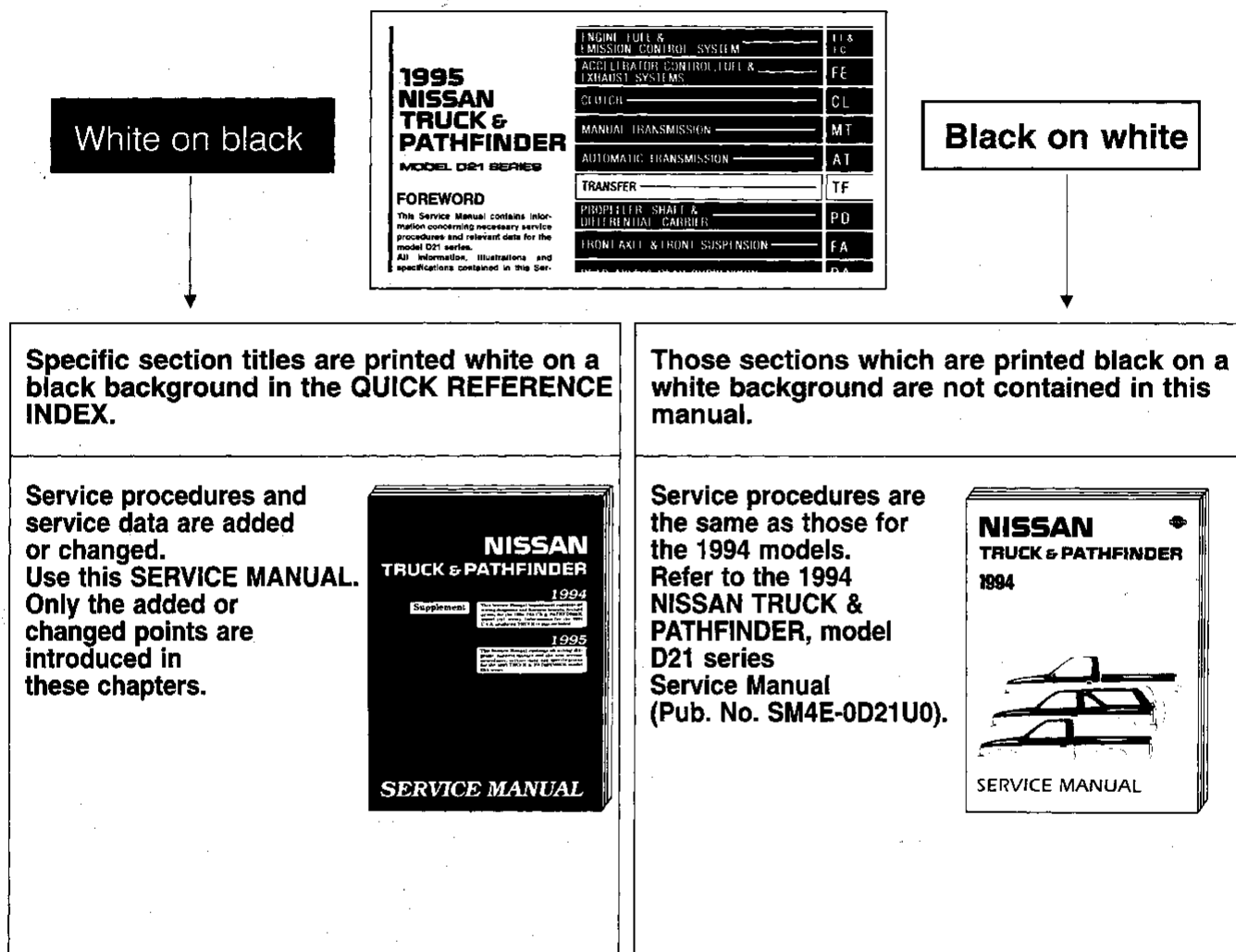
The right is reserved to make changes in specifications and methods at any time without notice.

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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.



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		New belt	
	Limit	After adjustment		
	Alternator	12 (0.47)	6 - 8 (0.24 - 0.31)	5 - 7 (0.20 - 0.28)
	Air conditioner compressor	16 (0.63)	9 - 11 (0.35 - 0.43)	7 - 9 (0.28 - 0.35)
	Power steering oil pump	17 (0.67)	11 - 13 (0.43 - 0.51)	9 - 11 (0.35 - 0.43)
Applied pushing force	N (kg, lb)	98 (10, 22)		

*1: For California

*2: Except for California

ENGINE TUNE-UP DATA

KA24E

M/T		800±50	
Idle speed rpm	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		New belt
	Limit	After adjustment	
Alternator	17 (0.67)	10 - 12 (0.39 - 0.47)	8 - 10 (0.31 - 0.39)
Air conditioner compressor	16 (0.63)	10 - 12 (0.39 - 0.47)	8 - 10 (0.31 - 0.39)
Power steering oil pump	15 (0.59)	9 - 11 (0.35 - 0.43)	7 - 9 (0.28 - 0.35)
Applied pushing force N (kg, lb)	98 (10, 22)		

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: 236 - 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	
Runout	0.07 (0.0028) or less
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	9.8 - 28.4 (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)
		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)
	Used seal	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 B - A N (kg, lb) 7.06 - 20.99 (0.72 - 2.14, 1.59 - 4.72)