

NISSAN
STANZA
ALTIMA
MODEL U13 SERIES

QUICK REFERENCE INDEX

GENERAL INFORMATION _____	GI
MAINTENANCE _____	MA
ENGINE MECHANICAL _____	EM
ENGINE LUBRICATION AND COOLING SYSTEMS _____	LC
ENGINE FUEL AND EMISSION CONTROL SYSTEM _____	EF & EC
ACCELERATOR CONTROL, FUEL AND EXHAUST SYSTEMS _____	FE
CLUTCH _____	CL
MANUAL TRANSAXLE _____	MT
AUTOMATIC TRANSAXLE _____	AT
FRONT AXLE & FRONT SUSPENSION _____	FA
REAR AXLE & REAR SUSPENSION _____	RA
BRAKE SYSTEM _____	BR
STEERING SYSTEM _____	ST
BODY _____	BF
HEATER & AIR CONDITIONING _____	HA
ELECTRICAL SYSTEM _____	EL
ALPHABETICAL INDEX _____	IDX

FOREWORD

This manual contains maintenance and repair procedures for the 1994 Nissan STANZA ALTIMA.

In order to assure your safety and the efficient functioning of the vehicle, this manual should be read thoroughly. It is especially important that the **PRECAUTIONS** in the GI section be completely understood before starting any repair task.

All information in this manual is based on the latest product information at the time of publication. The right is reserved to make changes in specifications and methods at any time without notice.

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.



NISSAN NORTH AMERICA, INC.

Service Engineering Department

Torrance, California

QUICK REFERENCE CHART: STANZA ALTIMA 1994

ENGINE TUNE-UP DATA

Engine model	KA24DE		
Firing order	1-3-4-2		
Idle speed rpm	700 ± 50		
M/T	700 ± 50		
A/T (in "N" position)	700 ± 50		
Ignition timing (degree B.T.D.C. at idle speed)	20° ± 2°		
Idle "CO" (% at idle speed)	idle mixture screw is preset and sealed at factory.		
Valve clearance (Hot) mm (in)			
Intake	0.31 - 0.39 (0.012 - 0.015)		
Exhaust	0.33 - 0.41 (0.013 - 0.016)		
Spark plug			
Type	Standard	BKR6E-11	
	Cold	BKR6E-11	
		BKR7E-11	
Gap mm (in)	1.0 - 1.1 (0.039 - 0.043)		
Drive belt deflection (Cold) mm (in)	Used belt deflection		
	Limit	Deflection after adjustment	Deflection of new belt
Generator & Power steering oil pump	8 (0.31)	6 - 7 (0.24 - 0.28)	5 - 6 (0.20 - 0.24)
Air conditioner compressor	10 (0.39)	7 - 8 (0.28 - 0.31)	6 - 7 (0.24 - 0.28)
Applied pressed force N (kg, lb)	98 (10, 22)		
Tightening torque	N·m	kg-m	ft-lb
Spark plug	20 - 29	2.0 - 3.0	14 - 22
Oil pan drain plug	29 - 39	3.0 - 4.0	22 - 29

CLUTCH PEDAL

Unit: mm (in)

Pedal height	165 - 175 (6.50 - 6.89)
Pedal free play	1 - 3 (0.04 - 0.12)

FRONT WHEEL ALIGNMENT (Unladen*)

Camber	degree	-0°50' to 0°40'
Caster	degree	1°55' - 3°25'
Kingpin inclination	degree	13°20' - 14°50'
Toe-in		
A - B	mm (in)	0 - 2 (0 - 0.08)
Total angle 2θ	degree	0' - 12'
Turning angle		
Inside		31°30' - 35°30'
Outside		25°36' - 29°36'

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

REAR WHEEL ALIGNMENT (Unladen*)

Camber	degree	-2°00' to -0°30'
Toe-in		
A - B	mm (in)	1 - 3 (0.04 - 0.12)
Total angle 2θ	degree	6' - 18'

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

BRAKE

Unit: mm (in)

Disc brake	
Pad minimum thickness	2.0 (0.079)
Rotor repair limit	20.0 (0.787)*1, 8.0 (0.315)*2
Minimum thickness	
Drum brake	
Lining minimum thickness	1.5 (0.059)
Drum repair limit	230.0 (9.06)
Maximum inner diameter	

*1 Front disc brake

*2 Rear disc brake

REFILL CAPACITIES

Unit	Liter	US measure	
Fuel tank	60	15-7/8 gal	
Coolant			
	With reservoir tank	7.8	8-1/4 qt
Engine			
	With oil filter	3.9	4-1/8 qt
	Without oil filter	3.5	3-3/4 qt
Transaxle			
	M/T	4.7	10 pt
	A/T	9.4	10 qt
Power steering system (approximate)	0.9	1 qt	
Air conditioning system			
	Compressor oil	0.2	6.8 fl oz
	Refrigerant*	0.7 - 0.8 kg	1.5 - 1.8 lb

* R-134a



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