

NISSAN

STANZA

ALTIMA

MODEL U13 SERIES

QUICK REFERENCE INDEX

GENERAL INFORMATION _____	GI
MAINTENANCE _____	MA
ENGINE MECHANICAL _____	EM
ENGINE LUBRICATION & _____ COOLING SYSTEMS	LC
ENGINE CONTROL SYSTEM _____	EC
ACCELERATOR CONTROL, FUEL & _____ 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
RESTRAINT SYSTEM _____	RS
BODY & TRIM _____	BT
HEATER & AIR CONDITIONER _____	HA
ELECTRICAL SYSTEM _____	EL
ALPHABETICAL INDEX _____	IDX

FOREWORD

This manual contains maintenance and repair procedures for the 1995 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.

Technical Information Department
Torrance, California

QUICK REFERENCE CHART: STANZA ALTIMA 1995

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°	
CO% at idle		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	BKR5E-11	
	Cold	BKR6E-11	
		BKR7E-11	
Gap	mm (in)	1.0 - 1.1 (0.039 - 0.043)	
Drive belt deflection (Cold)	mm (in)		
	Limit	Used belt	
		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)	
Radiator cap relief pressure	kPa (kg/cm ² , psi)	78 - 98 (0.8 - 1.0, 11 - 14)	
Cooling system leakage testing pressure	kPa (kg/cm ² , psi)	157 (1.6, 23)	
Compression pressure	Standard	1,228 (12.5, 178)/300	
kPa (kg/cm ² , psi)/rpm	Minimum	1,030 (10.5, 149)/300	
Tightening torque	N·m	kg·m	ft·lb
Spark plug	20 - 29	2.0 - 3.0	14 - 22
Oil pan drain plug	20 - 39	3.0 - 4.0	22 - 29

CLUTCH PEDAL

Unit: mm (in)

Pedal height	168 - 178 (6.61 - 7.01)
Pedal free play	9 - 16 (0.35 - 0.63)

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	degree	
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)*1, 1.5 (0.059)*2
Rotor repair limit	
Minimum thickness	20.0 (0.787)*1, 8.0 (0.315)*2
Drum brake	
Lining minimum thickness	1.5 (0.059)
Drum repair limit	
Maximum inner diameter	230.0 (9.06)
Pedal free height	M/T: 169 - 179 (6.65 - 7.05) A/T: 177 - 187 (6.97 - 7.36)
Pedal depressed height*3	60 (3.54)
Parking brake	
Number of notches*4	7 - 8

*1 Front disc brake
*2 Rear disc brake
*3 Under force of 490N (50kg, 110lb) with engine running
*4 At pulling force: 196N (20kg, 44lb)

REFILL CAPACITIES

Unit	Liter	US measure
Fuel tank	60	15-7/8 gal
Coolant		
With reservoir tank	7.8	8-1/4 qt
Without oil filter	3.9	4-1/8 qt
Engine		
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	0.9	1 qt
Air conditioning system		
Lubricant	0.2	8.8 fl oz
Refrigerant*	0.7 - 0.8 kg	1.5 - 1.8 lb

* R-134a