

**NISSAN**  
**STANZA**  
**ALTIMA**  
**MODEL U13 SERIES**

**QUICK REFERENCE INDEX**

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# FOREWORD

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**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.**

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## 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  |                              |                        |
| M/T  |  | 700 ± 50                     |                        |
| A/T (in "N" position)                              |  | 700 ± 50                     |                        |
| Ignition timing<br>(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)  | Used belt                    |                        |
| Generator & power steering oil pump                | Limit  | Deflection after adjustment  | Deflection of new belt |
|  |  | 6 - 7<br>(0.24 - 0.28)       | 5 - 6<br>(0.20 - 0.24) |
|  |  | 8 (0.31)                     |                        |
| Air conditioner compressor                         |  | 7 - 8<br>(0.28 - 0.31)       | 6 - 7<br>(0.24 - 0.28) |
| Applied pressed force                              | N (kg, lb)   | 98 (10, 22)                  |                        |
| Radiator cap relief pressure                       | kPa (kg/cm <sup>2</sup> , psi)                     | 78 - 98 (0.8 - 1.0, 11 - 14) |                        |
| Cooling system leakage testing pressure            | kPa (kg/cm <sup>2</sup> , psi)                     | 157 (1.6, 23)                |                        |
| Compression pressure                               | Standard   | 1,226 (12.5, 178)/300        |                        |
|  | 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<br>Minimum thickness     | 20.0 (0.787)*1, 8.0 (0.315)*2                                |  |
| Drum brake                                  |  |  |
| Lining minimum thickness                    | 1.5 (0.059)  |  |
| Drum repair limit<br>Maximum inner diameter | 230.0 (9.06)   |  |
| Pedal free height                           | M/T: 169 - 179 (6.65 - 7.05)<br>A/T: 177 - 187 (6.97 - 7.36) |  |
| Pedal depressed height*3                    | 80 (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     |
|                         | With 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