

Edition: July 2004  
Revision: July 2005  
Publication No. SM5E-1B15U1

# NISSAN SENTRA

MODEL B15 SERIES

## QUICK REFERENCE INDEX

|                                      |                                                           |
|--------------------------------------|-----------------------------------------------------------|
| <b>A GENERAL INFORMATION</b>         | <b>GI General Information</b>                             |
| <b>B ENGINE</b>                      | <b>EM Engine Mechanical</b>                               |
|                                      | <b>LU Engine Lubrication System</b>                       |
|                                      | <b>CO Engine Cooling System</b>                           |
|                                      | <b>EC Engine Control System</b>                           |
|                                      | <b>FL Fuel System</b>                                     |
|                                      | <b>EX Exhaust System</b>                                  |
|                                      | <b>ACC Accelerator Control System</b>                     |
| <b>C TRANSMISSION/<br/>TRANSAXLE</b> | <b>CL Clutch</b>                                          |
|                                      | <b>MT Manual Transaxle</b>                                |
|                                      | <b>AT Automatic Transaxle</b>                             |
| <b>D DRIVELINE/AXLE</b>              | <b>FAX Front Axle</b>                                     |
|                                      | <b>RAX Rear Axle</b>                                      |
| <b>E SUSPENSION</b>                  | <b>FSU Front Suspension</b>                               |
|                                      | <b>RSU Rear Suspension</b>                                |
|                                      | <b>WT Road Wheels &amp; Tires</b>                         |
| <b>F BRAKES</b>                      | <b>BR Brake System</b>                                    |
|                                      | <b>PB Parking Brake System</b>                            |
|                                      | <b>BRC Brake Control System</b>                           |
| <b>G STEERING</b>                    | <b>PS Power Steering System</b>                           |
| <b>H RESTRAINTS</b>                  | <b>SB Seat Belts</b>                                      |
|                                      | <b>SRS Supplemental Restraint System (SRS)</b>            |
|                                      | <b>BL Body, Lock &amp; Security System</b>                |
|                                      | <b>GW Glasses, Window System &amp; Mirrors</b>            |
|                                      | <b>RF Roof</b>                                            |
|                                      | <b>EI Exterior &amp; Interior</b>                         |
| <b>I BODY</b>                        | <b>IP Instrument Panel</b>                                |
|                                      | <b>SE Seat</b>                                            |
| <b>J AIR CONDITIONER</b>             | <b>MTC Manual Air Conditioner</b>                         |
| <b>K ELECTRICAL</b>                  | <b>SC Starting &amp; Charging System</b>                  |
|                                      | <b>LT Lighting System</b>                                 |
|                                      | <b>DI Driver Information System</b>                       |
|                                      | <b>WW Wiper, Washer &amp; Horn</b>                        |
|                                      | <b>BCS Body Control System</b>                            |
|                                      | <b>LAN LAN System</b>                                     |
|                                      | <b>AV Audio Visual, Navigation &amp; Telephone System</b> |
|                                      | <b>ACS Auto Cruise Control System</b>                     |
|                                      | <b>PG Power Supply, Ground &amp; Circuit Elements</b>     |
|                                      | <b>MA Maintenance</b>                                     |
| <b>L MAINTENANCE</b>                 |                                                           |
| <b>M INDEX</b>                       | <b>IDX Alphabetical Index</b>                             |

**A**

**B**

**C**

**D**

**E**

**F**

**G**

**H**

**I**

**J**

**K**

**L**

**M**

© 2005 NISSAN NORTH AMERICA, INC.

All rights reserved. No part of this Service Manual may be reproduced or stored in a retrieval system, or transmitted in any form, or by any means, electronic, mechanical, photo-copying, recording or otherwise, without the prior written permission of Nissan North America, Inc., Gardena, California.

# FOREWORD

---

This manual contains maintenance and repair procedures for the 2005 NISSAN SENTRA.

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 be completely satisfied that neither personal safety nor the vehicle's safety will be jeopardized by the service method selected.



NISSAN NORTH AMERICA, INC.  
Technical Publications Department  
• Gardena, California



## PLEASE HELP MAKE THIS SERVICE MANUAL BETTER!

Your comments are important to NISSAN and will help us to improve our Service Manuals.  
Use this form to report any issues or comments you may have regarding our Service Manuals.  
Please print this form and type or write your comments below. Mail or fax to:

Nissan North America, Inc.  
Technical Service Information  
39001 Sunrise Drive, P.O. Box 9200  
Farmington Hills, MI USA 48331  
FAX: (248) 488-3910

**SERVICE MANUAL:** Model: \_\_\_\_\_ Year: \_\_\_\_\_

**PUBLICATION NO. (Refer to Quick Reference Index):** \_\_\_\_\_

Please describe any Service Manual issues or problems in detail:

Page number(s) \_\_\_\_\_ *Note: Please include a copy of each page, marked with your comments.*

---

---

---

---

---

---

---

---

**Are the trouble diagnosis procedures logical and easy to use? (circle your answer)** YES NO

If no, what page number(s)? \_\_\_\_\_ *Note: Please include a copy of each page, marked with your comments.*

Please describe the issue or problem in detail: \_\_\_\_\_

---

---

---

**Is the organization of the manual clear and easy to follow? (circle your answer)** YES NO

Please comment: \_\_\_\_\_

---

---

---

---

**What information should be included in NISSAN Service Manuals to better support you in servicing or repairing customer vehicles?**

---

---

---

---

DATE: \_\_\_\_\_ YOUR NAME: \_\_\_\_\_ POSITION: \_\_\_\_\_

DEALER: \_\_\_\_\_ DEALER NO.: \_\_\_\_\_ ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE/PROV./COUNTRY: \_\_\_\_\_ ZIP/POSTAL CODE: \_\_\_\_\_

# QUICK REFERENCE CHART: SENTRA (EQUIPPED WITH 1.8L, QG ENGINE)

2005

## QUICK REFERENCE CHART: SENTRA (EQUIPPED WITH 1.8L, QG ENGINE)

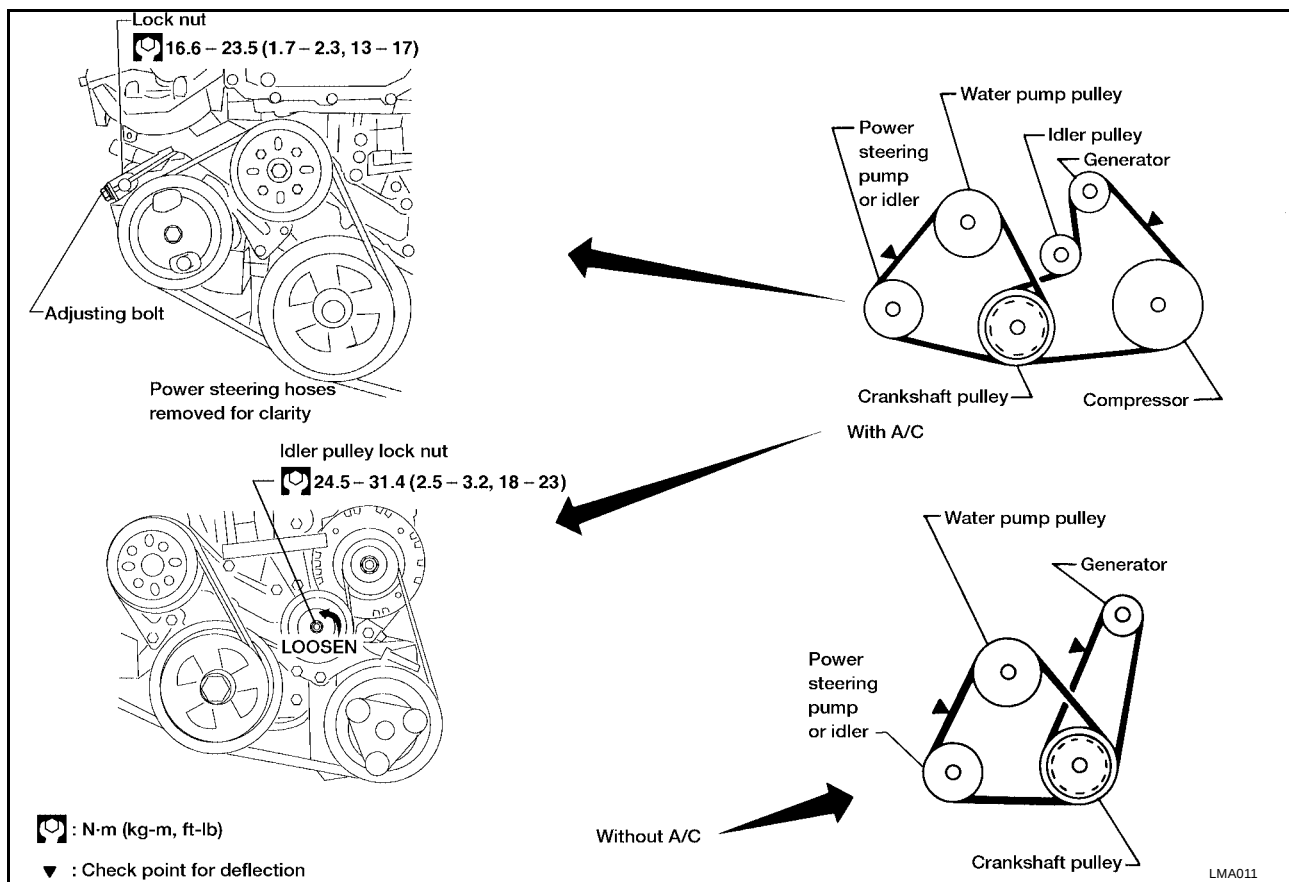
PFP:00027

### Engine Tune-Up Data

ELS001CL

|                         |             |                                      |
|-------------------------|-------------|--------------------------------------|
| Engine                  |             | QG18DE                               |
| Classification          |             | Gasoline                             |
| Cylinder arrangement    |             | 4 in-line                            |
| Displacement            |             | 1,769 cm <sup>3</sup> (107.94 cu in) |
| Bore × stroke           |             | 80.0 × 88.0 mm (3.150 × 3.465 in)    |
| Valve arrangement       |             | DOHC                                 |
| Firing order            |             | 1-3-4-2                              |
| Number of piston rings  | Compression | 2                                    |
|                         | Oil         | 1                                    |
| Number of main bearings |             | 5                                    |
| Compression ratio       |             | 9.5: 1                               |

## Drive Belt Deflection and Tension



LMA011

| Component               |                                    | Deflection Adjustment Unit: mm (in) |                              |                              | Tension Adjustment*1 Unit: N (kg, lb) |                                              |                                              |
|-------------------------|------------------------------------|-------------------------------------|------------------------------|------------------------------|---------------------------------------|----------------------------------------------|----------------------------------------------|
|                         |                                    | Used Belt                           |                              | New Belt                     | Used Belt                             |                                              | New Belt                                     |
|                         |                                    | Limit                               | After Adjustment             |                              | Limit                                 | After Adjustment                             |                                              |
| Generator               | With air conditioner compressor    | 8.1 (0.319)                         | 5.3 - 5.7<br>(0.209 - 0.244) | 4.5 - 5.0<br>(0.177 - 0.197) | 292 (30, 66)                          | 652 - 740<br>(66.5 - 75.5,<br>146.6 - 166.4) | 789 - 877<br>(80.5 - 89.5,<br>177.4 - 197.1) |
|                         | Without air conditioner compressor | 10.2 (0.402)                        | 6.5 - 7.0<br>(0.256 - 0.276) | 5.5 - 6.1 (0.217 - 0.240)    | 292 (30, 60)                          | 652 - 740<br>(66.5 - 75.5,<br>146.6 - 166.4) | 789 - 877<br>(80.5 - 89.5,<br>177.4 - 197.1) |
| Power steering oil pump |                                    | 7.1 (0.280)                         | 4.4 - 4.9<br>(0.173 - 0.193) | 3.9 - 4.4 (0.154 - 0.173)    | 196 (20, 44)                          | 495 - 583<br>(50.5 - 59.5,<br>111.4 - 131.2) | 603 - 691<br>(61.5 - 70.5,<br>135.6 - 155.5) |
| Applied pushing force   |                                    | 98 N (10 kg, 22 lb)                 |                              |                              | —                                     |                                              |                                              |

\*1: If the belt tension gauge cannot be installed at check points shown, check belt tension at a different location on the belt.

# QUICK REFERENCE CHART: SENTRA (EQUIPPED WITH 1.8L, QG ENGINE)

2005

## Spark Plugs (Double Platinum - Tipped)

|                    |          |                   |
|--------------------|----------|-------------------|
| Type               | Standard | PLFR5A-11         |
|                    | Hot      | PLFR4A-11         |
|                    | Cold     | PLFR6A-11         |
| Plug gap (nominal) |          | 1.1 mm (0.043 in) |

## Front Wheel Alignment (Unladen\*1)

ELS001CX

|                                                       |                                                           |                           |                     |
|-------------------------------------------------------|-----------------------------------------------------------|---------------------------|---------------------|
| Camber<br>Degree minute (Decimal degree)              |                                                           | Minimum                   | -1°05' (-1.08°)     |
|                                                       |                                                           | Nominal                   | -0°20' (-0.33°)     |
|                                                       |                                                           | Maximum                   | 0°25' (0.42°)       |
|                                                       |                                                           | Left and right difference | 45' (0.75°) or less |
| Caster<br>Degree minute (Decimal degree)              |                                                           | Minimum                   | 0°50' (0.83°)       |
|                                                       |                                                           | Nominal                   | 1°35' (1.58°)       |
|                                                       |                                                           | Maximum                   | 2°20' (2.33°)       |
|                                                       |                                                           | Left and right difference | 45' (0.75°) or less |
| Kingpin inclination<br>Degree minute (Decimal degree) |                                                           | Minimum                   | 13°52' (13.87°)     |
|                                                       |                                                           | Nominal                   | 14°37' (14.62°)     |
|                                                       |                                                           | Maximum                   | 15°22' (15.37°)     |
| Total toe-in                                          | Distance (A – B)<br>mm (in)                               | Minimum                   | 1 (0.039")          |
|                                                       |                                                           | Nominal                   | 2 (0.079")          |
|                                                       |                                                           | Maximum                   | 3 (0.118")          |
|                                                       | Angle (left plus right)<br>Degree minute (Decimal degree) | Minimum                   | 5.5' (0.08°)        |
|                                                       |                                                           | Nominal                   | 11' (0.18°)         |
|                                                       |                                                           | Maximum                   | 16' (0.27°)         |
| Wheel turning angle<br>Full turn*2                    | Inside<br>Degree minute (Decimal degree)                  | Minimum                   | 34° (34.0°)         |
|                                                       |                                                           | Nominal                   | 37° (37.0°)         |
|                                                       |                                                           | Maximum                   | 38° (38.0°)         |
|                                                       | Outside<br>Degree minute (Decimal degree)                 | Nominal                   | 31° (31.0°)         |

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

\*2: On power steering models, wheel turning force (at circumference of steering wheel) of 98 to 147 N (10 to 15 kg, 22 to 33 lb) with engine idle.

## Rear Wheel Alignment (Unladen\*)

ELS001CN

Unit: degree minute (decimal degree)

|              |                         |         |                  |
|--------------|-------------------------|---------|------------------|
| Camber       |                         | Minimum | -1°45' (-1.75°)  |
|              |                         | Nominal | -1°00' (-1.00°)  |
|              |                         | Maximum | -0°15' (-0.25°)  |
| Total toe-in | Distance                | Minimum | -3 mm (-0.12 in) |
|              |                         | Nominal | 1 mm (0.04 in)   |
|              |                         | Maximum | 5 mm (0.20 in)   |
|              | Angle (left plus right) | Minimum | -16' (-0.27°)    |
|              |                         | Nominal | 5'30" (0.09°)    |
|              |                         | Maximum | 26' (0.43°)      |

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

# QUICK REFERENCE CHART: SENTRA (EQUIPPED WITH 1.8L, QG ENGINE)

2005

## Brake

ELS001CO

Unit: mm (in)

|                 |                                               |                                                                                       |
|-----------------|-----------------------------------------------|---------------------------------------------------------------------------------------|
| Front brake     | Brake model                                   | CL25VA                                                                                |
|                 | Cylinder bore diameter                        | 57.2 (2.252)                                                                          |
|                 | Pad length × width × thickness                | 125.6 × 46.0 × 11.0 (4.94 × 1.811 × 0.433)                                            |
|                 | Rotor outer diameter × thickness              | 257 × 22 (10.12 × 0.87)                                                               |
| Rear brake      | Brake model                                   | LT20G                                                                                 |
|                 | Cylinder bore diameter/caliper bore diameter  | 15.87 (5/8) type a<br>17.45 (11/16) type b                                            |
|                 | Lining length × width × thickness             | 219.4 × 35 × 4.5<br>(8.64 × 1.38 × 0.177)                                             |
|                 | Drum inner diameter/Disc diameter × thickness | 203.2 (8)                                                                             |
| Master cylinder | Cylinder bore diameter                        | 23.81 (15/16)                                                                         |
| Control valve   | Valve model                                   | Dual proportioning valve                                                              |
|                 | Split point                                   | 1,961 kPa (20 kg/cm <sup>2</sup> , 284 psi) × 0.2 reducing ratio                      |
| Brake booster   | Booster model                                 | M215T                                                                                 |
|                 | Diaphragm diameter                            | Primary: 230 (9.06)<br>Secondary: 205 (8.07)                                          |
| Brake fluid     | Recommended brake fluid                       | Genuine NISSAN Super Heavy Duty Brake Fluid or equivalent<br>DOT 3 (US FMVSS No. 116) |

## Disc Brake - Repair Limits

Unit: mm (in)

|                                         |             |
|-----------------------------------------|-------------|
| Brake model                             | CL25VA      |
| Pad wear limit<br>Minimum thickness     | 2.0 (0.079) |
| Rotor repair limit<br>Minimum thickness | 20 (0.79)   |

## Drum Brake - Repair Limits

Unit: mm (in)

|                   |                        |               |
|-------------------|------------------------|---------------|
| Brake model       |                        | LT20G         |
| Lining wear limit | Minimum thickness      | 1.5 (0.059)   |
| Drum repair limit | Maximum inner diameter | 204.5 (8.05)  |
|                   | Maximum out-of round   | 0.03 (0.0012) |

# QUICK REFERENCE CHART: SENTRA (EQUIPPED WITH 1.8L, QG ENGINE)

2005

## Refill Capacities

ELS001CP

| Description                         |                           | Capacity (Approximate) |                |                |
|-------------------------------------|---------------------------|------------------------|----------------|----------------|
|                                     |                           | US measure             | Imp measure    | Liter          |
| Fuel                                |                           | 13 1/4 gal             | 11 gal         | 50             |
| Engine oil<br>Drain and refill      | With oil filter change    | 2 7/8 qt               | 2 3/8 qt       | 2.7            |
|                                     | Without oil filter change | 2 5/8 qt               | 2 1/4 qt       | 2.5            |
| Dry engine (engine overhaul)        |                           | 3 1/4 qt               | 2 3/4 qt       | 3.1            |
| Cooling system (with reservoir)     | M/T                       | 1 3/4 gal              | 1 1/2 gal      | 6.7            |
|                                     | A/T                       | 1 3/4 gal              | 1 1/2 gal      | 6.6            |
| Manual transaxle fluid (MTF)        | RS5F70A                   | 3 1/8 qt               | 2 5/8 qt       | 3.0            |
| Automatic transaxle fluid (ATF)     | RE4F03B                   | 7 3/8 qt               | 6 1/8 qt       | 7.0            |
| Power steering fluid (PSF)          |                           | 1 1/8 qt               | 7/8 qt         | 1.0            |
| Air conditioning system refrigerant |                           | 1.10 ± 0.11 lb         | 1.10 ± 0.11 lb | 0.50 ± 0.05 kg |
| Air conditioning system lubricant   |                           | 6.1 fl oz              | 6.3 fl oz      | 180 mℓ         |

# QUICK REFERENCE CHART: SENTRA (EQUIPPED WITH 2.5L, QR ENGINE)

2005

## QUICK REFERENCE CHART: SENTRA (EQUIPPED WITH 2.5L, QR ENGINE)

PFP:00027

### Engine Tune-Up Data

ELS001CR

|                        |                                      |                                                           |
|------------------------|--------------------------------------|-----------------------------------------------------------|
| Engine                 |                                      | QR25DE                                                    |
| Cylinder arrangement   |                                      | 4 in-line                                                 |
| Displacement           |                                      | 2,488 cm <sup>3</sup> (151.82 cu in)                      |
| Bore and stroke        |                                      | 89.0 x 100 mm (3.50 - 3.94 in)                            |
| Valve arrangement      |                                      | DOHC                                                      |
| Firing order           |                                      | 1-3-4-2                                                   |
| Number of piston rings | Compression                          | 2                                                         |
|                        | Oil                                  | 1                                                         |
| Compression ratio      |                                      | 9.5                                                       |
| Compression pressure   | Standard                             | 1,250 kPa (12.8 kg/cm <sup>2</sup> , 181.3 psi) / 250 rpm |
|                        | Minimum                              | 1,060 kPa (10.8 kg/cm <sup>2</sup> , 153.7 psi) / 250 rpm |
|                        | Differential limit between cylinders | 100 kPa (1.0 kg/cm <sup>2</sup> , 14 psi) / 250 rpm       |

### Drive Belt Deflection and Tension

|                        |                                   |
|------------------------|-----------------------------------|
| Tension of drive belts | Auto adjustment by auto-tensioner |
|------------------------|-----------------------------------|

### Spark Plugs (Double Platinum Tipped)

|                    |          |                   |
|--------------------|----------|-------------------|
| Type               | Standard | PLFR5A-11         |
|                    | Hot      | PLFR4A-11         |
|                    | Cold     | PLFR6A-11         |
| Plug gap (nominal) |          | 1.1 mm (0.043 in) |

### Front Wheel Alignment (Unladen\*1)

ELS001CS

Unit: degree minute (decimal degree)

|                     |                         |                           |                     |
|---------------------|-------------------------|---------------------------|---------------------|
| Camber              |                         | Minimum                   | -1°12' (-1.2°)      |
|                     |                         | Nominal                   | -0°27' (-0.45°)     |
|                     |                         | Maximum                   | 0°18' (0.3°)        |
|                     |                         | Left and right difference | 45' (0.75°) or less |
| Caster              |                         | Minimum                   | 0°58' (0.97°)       |
|                     |                         | Nominal                   | 1°43' (1.72°)       |
|                     |                         | Maximum                   | 2°28' (2.47°)       |
|                     |                         | Left and right difference | 45' (0.75°) or less |
| Kingpin inclination |                         | Minimum                   | 14°03' (14.05°)     |
|                     |                         | Nominal                   | 14°46' (14.77°)     |
|                     |                         | Maximum                   | 15°31' (15.52°)     |
| Total toe-in        | Distance                | Minimum                   | 1 mm (0.039 in)     |
|                     |                         | Nominal                   | 2 mm (0.079 in)     |
|                     |                         | Maximum                   | 3 mm (0.118 in)     |
|                     | Angle (left plus right) | Minimum                   | 5.5' (0.08°)        |
|                     |                         | Nominal                   | 11' (0.18°)         |
|                     |                         | Maximum                   | 16' (0.27°)         |

# QUICK REFERENCE CHART: SENTRA (EQUIPPED WITH 2.5L, QR ENGINE)

2005

|                                    |         |         |             |
|------------------------------------|---------|---------|-------------|
| Wheel turning angle<br>Full turn*2 | Inside  | Minimum | 29° (29.0°) |
|                                    |         | Nominal | 32° (32.0°) |
|                                    |         | Maximum | 33° (33.0°) |
|                                    | Outside | Nominal | 27° (27.0°) |

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

\*2: On power steering models, wheel turning force (at circumference of steering wheel) of 98 to 147 N (10 to 15 kg, 22 to 33 lb) with engine idle.

## Rear Wheel Alignment (Unladen\*)

ELS001CT

Unit: degree minute (decimal degree)

|              |                         |         |                  |
|--------------|-------------------------|---------|------------------|
| Camber       |                         | Minimum | -1°45' (-1.75°)  |
|              |                         | Nominal | -1°00' (-1.00°)  |
|              |                         | Maximum | -0°15' (-0.25°)  |
| Total toe-in | Distance                | Minimum | -3 mm (-0.12 in) |
|              |                         | Nominal | 1 mm (0.04 in)   |
|              |                         | Maximum | 5 mm (0.20 in)   |
|              | Angle (left plus right) | Minimum | -16' (-0.27°)    |
|              |                         | Nominal | 5'30" (0.09°)    |
|              |                         | Maximum | 26' (0.43°)      |

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

## Brake

ELS001CU

Unit: mm (in)

|                 |                                               |                                                                                    |                                                     |
|-----------------|-----------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------|
| Front brake     | Brake model                                   | CL25VB                                                                             | OPB27VA                                             |
|                 | Cylinder bore diameter                        | 57.2 (2.252)                                                                       | 38 (1.50) x 2 + 44 (1.73) x 2                       |
|                 | Pad length x width x thickness                | 125.6 x 46.0 x 11.0 (4.94 x 1.811 x 0.433)                                         | 117.1 x 53.3 x 9.3 (4.61 x 2.098 x 0.366)           |
|                 | Rotor outer diameter x thickness              | 280 x 22 (11.02 x 0.87)                                                            | 324 x 30.0 (12.76 x 1.181)                          |
| Rear brake      | Brake model                                   | CL9HC                                                                              |                                                     |
|                 | Cylinder bore diameter/caliper bore diameter  | 33.96 (1 11/32)                                                                    |                                                     |
|                 | Lining length x width x thickness             | 89.1 x 39.5 x 10 (3.508 x 1.555 x 0.39)                                            |                                                     |
|                 | Drum inner diameter/Disc diameter x thickness | 232 x 7 (9.13 x 0.28)                                                              | 232 x 7 (9.13 x 0.28)<br>or 278 x 9 (10.94 x 0.35)* |
| Master cylinder | Cylinder bore diameter                        | 23.81 (15/16)                                                                      |                                                     |
| Control valve   | Valve model                                   | Dual proportioning valve                                                           |                                                     |
|                 | Split point                                   | 2,942 kPa (30 kg/cm <sup>2</sup> , 427 psi)] x 0.2 reducing ratio                  |                                                     |
| Brake booster   | Booster model                                 | M215T                                                                              |                                                     |
|                 | Diaphragm diameter                            | Primary: 230 (9.06), Secondary: 205 (8.07)                                         |                                                     |
| Brake fluid     | Recommended brake fluid                       | Genuine NISSAN Super Heavy Duty Brake Fluid or equivalent DOT 3 (US FMVSS No. 116) |                                                     |

\*: With Spec V brake package.

## Disc Brake - Repair Limits

Unit: mm (in)

|                                         |                |                 |                              |
|-----------------------------------------|----------------|-----------------|------------------------------|
| Brake model                             | CL25VB (Front) | OPB27VA (Front) | CL9HC (Rear)                 |
| Pad wear limit<br>Minimum thickness     | 2.0 (0.079)    | 2.0 (0.079)     | 2.0 (0.079)                  |
| Rotor repair limit<br>Minimum thickness | 20 (0.79)      | 20 (0.79)       | 8.0 (0.31)<br>or 6.0 (0.24)* |

\*: With Spec V brake package.

# QUICK REFERENCE CHART: SENTRA (EQUIPPED WITH 2.5L, QR ENGINE)

2005

## Refill Capacities

ELS001CV

| Description                         |                           | Capacity (Approximate) |                |                |
|-------------------------------------|---------------------------|------------------------|----------------|----------------|
|                                     |                           | US measure             | Imp measure    | Liter          |
| Fuel                                |                           | 13 1/4 gal             | 11 gal         | 50             |
| Engine oil<br>Drain and refill      | With oil filter change    | 4 1/4 qt               | 3 1/2 qt       | 4.0            |
|                                     | Without oil filter change | 4 qt                   | 3 3/8 qt       | 3.8            |
| Dry engine (engine overhaul)        |                           | 4 3/4 qt               | 4 qt           | 4.5            |
| Cooling system (with reservoir)     | M/T                       | 1 3/4 gal              | 1 1/2 gal      | 6.8            |
|                                     | A/T                       | 1 3/4 gal              | 1 1/2 gal      | 6.7            |
| Manual transaxle fluid (MTF)        | RS6F51H                   | 2 3/8 qt               | 2 qt           | 2.2            |
| Automatic transaxle fluid (ATF)     | RE4F04B                   | 9.0 qt                 | 7.5 qt         | 8.5            |
| Power steering fluid (PSF)          |                           | 1 1/8 qt               | 7/8 qt         | 1.0            |
| Air conditioning system refrigerant |                           | 1.10 ± 0.11 lb         | 1.10 ± 0.11 lb | 0.50 ± 0.05 kg |
| Air conditioning system lubricant   |                           | 6.1 fl oz              | 6.3 fl oz      | 180 mℓ         |