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› SCITOO Lower Intermediate Steering Shaft Installation and Maintenance Manual for Nissan Altima (2002-2006) and Nissan Maxima (2003-2008)

SCITOO 161148-5206-1811246831

SCITOO Lower Intermediate Steering Shaft Instruction Manual

Model: 161148-5206-1811246831

Brand: SCITOO

1. INTRODUCTION

This manual provides essential information for the SCITOO Lower Intermediate Steering Shaft, designed for specific Nissan Altima and Maxima models. It covers product features, compatibility, installation guidelines, and general maintenance to ensure proper function and longevity of the component.

2. PRODUCT OVERVIEW AND FEATURES

The SCITOO Lower Intermediate Steering Shaft is engineered to connect the steering column to the steering rack, facilitating precise steering control. Key features include:

- Constructed from 45 steel with a premium coating for enhanced durability and corrosion resistance.
- Professionally tested for torsional strength, tensile strength, fatigue resistance, and salt spray resistance to ensure reliable performance.
- Equipped with new U-Joints featuring precision needle bearings for smooth and quiet operation.



Figure 2.1: A complete view of the SCITOO lower intermediate steering shaft, featuring a black finish and universal U-joint coupler.



Figure 2.2: This image highlights the universal U-joint coupler and the spline end of the steering shaft, showing key connection points.



Figure 2.3: A close-up view of the universal U-joint coupler, demonstrating its robust construction and precision needle bearings for smooth operation.

3. VEHICLE COMPATIBILITY (FITMENT)

This SCITOO Lower Intermediate Steering Shaft is compatible with the following vehicle models and replaces OE Part Numbers 425-600, 48080-8J000, and 480808J000:

- **Nissan Altima:** 2002, 2003, 2004, 2005, 2006
- **Nissan Maxima:** 2003, 2004, 2005, 2006, 2007, 2008

Always verify compatibility by checking your vehicle's make, model, trim, engine, and the original part number before

installation.

4. INSTALLATION GUIDELINES

Installation of a steering shaft is a critical procedure that directly impacts vehicle safety. It is strongly recommended that this component be installed by a qualified professional mechanic.

General steps typically involve:

1. Safely lift and secure the vehicle.
2. Locate and remove the existing intermediate steering shaft, noting its orientation.
3. Carefully install the new SCITOO steering shaft, ensuring proper alignment of the U-joints and spline connections.
4. Secure all fasteners to the manufacturer's specified torque settings.
5. Perform a thorough inspection and test drive to confirm correct steering function and absence of abnormal noises or play.

Warning: Failure to install correctly can lead to steering malfunction and serious safety hazards.

5. OPERATION

The intermediate steering shaft is a vital link in your vehicle's steering system. It transmits rotational motion from the steering wheel, through the steering column, to the steering gear or rack. This allows the driver to control the direction of the vehicle's wheels. A properly functioning steering shaft ensures responsive and precise steering.

6. MAINTENANCE

The SCITOO Lower Intermediate Steering Shaft is designed for durability and minimal maintenance. However, regular vehicle inspections should include checking steering components for:

- Excessive play or looseness in the U-joints.
- Corrosion or damage to the shaft body.
- Unusual noises (e.g., clunking, grinding) during steering.

Any signs of wear or damage should be addressed promptly by a qualified mechanic to maintain steering integrity and safety.

7. TROUBLESHOOTING

If you experience any of the following symptoms, your steering shaft or other steering components may require inspection:

- Loose or sloppy steering feel.
- Clunking or popping noises when turning the steering wheel.
- Difficulty turning the steering wheel.
- Vibration in the steering wheel.

These symptoms can indicate various issues within the steering system. It is crucial to have your vehicle diagnosed by a professional mechanic immediately to identify and rectify the problem.

8. SPECIFICATIONS

The following specifications apply to the SCITOO Lower Intermediate Steering Shaft (Model: 161148-5206-1811246831):

Attribute	Detail
Manufacturer	SCITOO
Brand	SCITOO
Model	161148-5206-1811246831
Item Weight	3.23 pounds
Product Dimensions	15.76 x 2.76 x 2.76 inches
OEM Part Number	425-600, 48080-8J000, 480808J000
Exterior	Machined

9. WARRANTY INFORMATION

Specific warranty details for this SCITOO product are not provided in the available documentation. For information regarding warranty coverage, terms, and conditions, please contact SCITOO customer support directly or refer to the product packaging.

10. SUPPORT

For technical assistance, installation inquiries, or any other product-related questions, please contact SCITOO customer service. You may find contact information on the official SCITOO website or through your original point of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question