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> Giuqa Golf Cart Front End King Pin Rebuild Kit Instruction Manual for Club Car DS Gas & Electric 1993-Up (Models 1016386, 1010150, 1016389)

Giuqa 1016386

Giuqa Golf Cart Front End King Pin Rebuild Kit Instruction Manual

Models: 1016386, 1010150, 1016389

1. PRODUCT OVERVIEW

This Giuqa Front End King Pin Rebuild Kit is designed to restore the steering and suspension performance of your golf cart's front end. It includes essential components for replacing worn king pins, bushings, and related hardware, ensuring proper alignment and smooth operation.

Regular maintenance and timely replacement of these components are crucial for the safety and longevity of your golf cart.

2. COMPATIBILITY

This kit is specifically designed to fit the following golf cart models:

- **Club Car DS Gas & Electric Models** manufactured from **1993-UP**.

***Note:** Before purchasing and installing, please verify that your golf cart model and year match the specifications above. Compare the included part numbers and images with your existing components to ensure proper fitment.*

3. PACKAGE CONTENTS

The Giuqa Golf Cart Front End King Pin Rebuild Kit includes the following components:



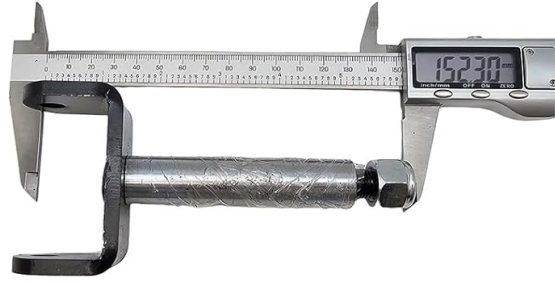
Image: Complete Giuqa Golf Cart Front End King Pin Rebuild Kit components laid out.

- 4 pcs **1015583 Bushing, Urethane** (Steel Plate)
- 2 pcs **1012303 Bushing, Steel** (Steel Plate)
- 12 pcs **1016346 Bushing, Urethane** (Control Arm)
- 4 pcs **1016349 Sleeve, Delta Inner** (Control Arm - Short)
- 2 pcs **1016350 Sleeve, Delta Outer** (Control Arm - Long)
- 2 pcs **1016389 King Pin Wave Washer**
- 2 pcs **1010150 Thrust Bearing**
- 2 pcs **1016384 Delta Upper Clevis**
- 2 pcs **1016386 King Pin for Delta A Plate**
- 8 pcs **8754 Screw Nut**
- 4 pcs **2402 Screw** (DS Control Arm - Short)
- 2 pcs **1016387 Screw** (DS Control Arm - Long)
- 8 pcs **8755 Screw** (DS Steel Plate)
- 2 pcs **8067 Bronze Spindle Bushing**
- 2 pcs **Flanged Bronze Bushing**

2PCS



lengths $\approx 152.3\text{mm}$
lengths $\approx 6\text{in}$



height $\approx 70\text{mm}$
height $\approx 2.76\text{in}$



height $\approx 39.5\text{mm}$
height $\approx 1.56\text{in}$



Image: Detailed dimensions of the King Pin (Part 1016386).

2PCS



Image: Detailed dimensions of the Delta Upper Clevis (Part 1016384).

4PCS



Image: Detailed dimensions of the Urethane Bushings (Part 1015583).



Image: Detailed dimensions of the Steel Bushings (Part 1012303).



Image: Detailed dimensions of various screws and bolts included in the kit.



Image: Detailed dimensions of the Flanged Bronze Bushings.

4. INSTALLATION GUIDE

This kit is intended for the repair and rebuild of the golf cart's front end king pin assembly. Due to the complexity and critical nature of steering and suspension components, professional installation by a qualified technician is highly recommended.

General Installation Steps (Consult a Service Manual):

1. **Safety First:** Ensure the golf cart is securely supported on jack stands on a level surface. Disconnect the battery for electric models.
2. **Remove Wheels:** Remove the front wheels to access the steering and suspension components.
3. **Disassemble Old Components:** Carefully remove the old king pins, bushings, and associated hardware. Note the orientation and position of each component during removal.
4. **Clean and Inspect:** Thoroughly clean the spindle and A-arm areas. Inspect for any damage, wear, or corrosion that may require additional repair or replacement.
5. **Install New Bushings and King Pins:** Install the new bushings into the appropriate locations (control arms, steel plates, spindles) as per the golf cart's service manual. Insert the new king pins, thrust bearings, and wave washers.
6. **Reassemble:** Reattach the Delta Upper Clevis, sleeves, and secure all components with the

provided screws and nuts. Ensure all fasteners are tightened to the manufacturer's specified torque values.

7. **Lubrication:** Apply appropriate grease to all moving parts and grease fittings as recommended by the golf cart manufacturer.
8. **Final Checks:** Reinstall the wheels. Lower the golf cart and perform a thorough check of the steering and suspension for proper movement, alignment, and any binding. Test drive at low speed in a safe area.

***Disclaimer:** These are general guidelines. Always refer to your specific Club Car DS service manual for detailed, model-specific instructions, torque specifications, and safety procedures. Improper installation can lead to serious injury or damage to the vehicle.*

5. MAINTENANCE

To ensure the longevity and optimal performance of your golf cart's front end components after installing this kit, follow these maintenance recommendations:

- **Regular Lubrication:** Periodically lubricate all grease fittings on the king pins, control arms, and spindles using a suitable grease gun and appropriate grease type. Refer to your golf cart's service manual for lubrication intervals.
- **Inspect for Wear:** Regularly inspect the king pins, bushings, and other front end components for signs of wear, looseness, or damage. Look for excessive play in the steering or unusual noises.
- **Check Fasteners:** Ensure all bolts and nuts are securely tightened. Re-torque if necessary according to manufacturer specifications.
- **Tire Pressure and Alignment:** Maintain correct tire pressure and have the front end alignment checked periodically to prevent premature wear on steering components and tires.

6. TROUBLESHOOTING

If you experience issues after installing the rebuild kit, consider the following common troubleshooting points:

- **Excessive Play in Steering:** This could indicate improperly seated bushings, loose fasteners, or incorrect installation of the king pins. Re-check all connections and ensure components are installed correctly.
- **Stiff Steering:** Insufficient lubrication, incorrect bushing installation, or overtightened fasteners can cause stiff steering. Ensure all components are properly greased and not binding.
- **Unusual Noises (Clunking, Squeaking):** These noises often point to loose components, lack of lubrication, or incorrect assembly. Inspect all parts for proper fit and lubrication.
- **Uneven Tire Wear:** This is typically a symptom of incorrect front end alignment, which should be checked and adjusted by a professional after any major front end repair.

If problems persist, it is recommended to consult a qualified golf cart technician.

7. SPECIFICATIONS

Attribute	Detail
Product Name	Golf Cart Front King Pin Repair Kit
Brand	Giuqa

Manufacturer Part Number	1016386
Application	Club Car DS Gas & Electric Models 1993-UP
Item Weight	4.98 pounds
Package Dimensions	9.44 x 4.33 x 4.33 inches

8. CUSTOMER SUPPORT

For any questions, concerns, or assistance regarding the Giiuqa Golf Cart Front End King Pin Rebuild Kit, please contact our customer service team. We are committed to ensuring your satisfaction.

Please have your product model number (1016386) and purchase details ready when contacting support.

Contact information is typically available through your retailer or the official Giiuqa website.