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Race-Driven A-10642

Race-Driven Brake Shoes Instruction Manual

For Suzuki LT-F300 King Quad (1999-2001)

1. Safety Information

Always prioritize safety when working on vehicle braking systems. Improper installation or maintenance can lead to serious injury or vehicle damage. If you are unsure about any step, consult a qualified mechanic.

- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is securely supported on a level surface using jack stands before beginning any work.
- Disconnect the battery if working near electrical components.
- Brake dust may contain asbestos or other harmful materials. Avoid inhaling dust and use appropriate cleaning methods.
- Never reuse worn or damaged brake components.

2. Product Overview

These Race-Driven Front and Rear Standard Brake Shoes are designed as direct replacements for the Suzuki LT-F300 300 King Quad models manufactured between 1999 and 2001. They are engineered to meet or exceed OEM specifications, providing reliable braking performance.

2.1. Included Components

- Brake Shoe(s) (Quantity as per package)
- Associated springs (may vary by package)

2.2. Compatibility

This product is compatible with the following vehicle models:

- Suzuki LT-F300 300 King Quad (1999)
- Suzuki LT-F300 300 King Quad (2000)
- Suzuki LT-F300 300 King Quad (2001)



Image 1: Race-Driven Front and Rear Standard Brake Shoes with associated springs.

3. Setup and Installation

The following steps provide a general guide for replacing drum brake shoes. Specific procedures may vary depending on your vehicle's exact configuration. Refer to your vehicle's service manual for detailed instructions. Professional installation is recommended.

3.1. Preparation

1. Park the vehicle on a level surface and engage the parking brake.
2. Loosen the lug nuts on the wheel(s) where brake shoes will be replaced.
3. Raise the vehicle using a jack and secure it with jack stands.
4. Remove the wheel(s).
5. Remove the brake drum. This may require tapping with a rubber mallet or using a drum puller if it is seized.

3.2. Removal of Old Brake Shoes

1. Carefully observe and photograph the existing brake shoe assembly to aid in reassembly.
2. Using appropriate brake spring tools, remove the return springs, hold-down springs, and any other retaining clips or pins.
3. Disconnect the parking brake cable (if applicable) from the rear brake shoe.
4. Remove the old brake shoes from the backing plate.

5. Inspect the wheel cylinder for leaks or damage. Replace if necessary.
6. Clean the backing plate thoroughly, removing any brake dust or debris.

3.3. Installation of New Brake Shoes

1. Apply a thin layer of high-temperature brake lubricant to the contact points on the backing plate where the brake shoes slide.
2. Assemble the new brake shoes with the new springs, referring to your photographs or vehicle service manual. Ensure springs are correctly oriented.
3. Install the assembled brake shoes onto the backing plate, ensuring they are properly seated in the wheel cylinder and anchor points.
4. Reconnect the parking brake cable (if applicable).
5. Install the hold-down springs and pins.
6. Adjust the star wheel adjuster (if present) to ensure proper drum fitment. The drum should slide on with slight resistance.



Image 2: Two sets of brake shoes, illustrating components for front and rear brake systems.

3.4. Final Steps

1. Reinstall the brake drum.
2. Reinstall the wheel and tighten lug nuts hand-tight.
3. Lower the vehicle and torque the lug nuts to the manufacturer's specifications.

4. Pump the brake pedal several times to ensure the brake shoes are properly seated and the pedal feels firm.
5. Test drive the vehicle in a safe area at low speed to confirm proper brake operation.

4. Maintenance

Regular inspection and maintenance of your brake system are crucial for safety and performance.

- **Periodic Inspection:** Inspect brake shoes and drums every 6,000 to 12,000 miles or as recommended by your vehicle manufacturer. Check for wear, cracks, or contamination.
- **Cleaning:** Keep brake components free from dirt, oil, and grease. Use a brake cleaner designed for the purpose.
- **Replacement:** Replace brake shoes when the friction material wears down to the minimum thickness specified by the manufacturer, or if they become contaminated or damaged.
- **Brake Fluid:** Check brake fluid level and condition regularly. Replace fluid according to your vehicle's maintenance schedule.

5. Troubleshooting

If you experience any issues with your braking system after installation, consider the following common problems and solutions:

Symptom	Possible Cause	Solution
Squealing or Grinding Noise	Worn shoes, contaminated shoes, improper installation, drum wear.	Inspect shoes and drums. Ensure proper installation and lubrication of contact points. Clean or replace components as needed.
Weak Braking Performance	Improper adjustment, air in brake lines, worn shoes, contaminated shoes.	Adjust brake shoes. Bleed brake system. Inspect and replace shoes if worn or contaminated.
Brake Pedal Feels Spongy	Air in brake lines, low brake fluid, faulty master cylinder.	Bleed brake system. Check brake fluid level. Inspect master cylinder.
Vehicle Pulls to One Side	Uneven brake shoe wear, contaminated shoes on one side, faulty wheel cylinder.	Inspect and compare brake shoes on both sides. Check wheel cylinders for proper operation.

If troubleshooting steps do not resolve the issue, seek assistance from a qualified mechanic.

6. Specifications

Specification	Detail
Brand	Race-Driven
Model Number	A-10642
Compatibility	Suzuki LT-F300 300 King Quad (1999-2001)
Position	Front, Rear

Specification	Detail
Material Type	Semi-Metallic
Item Weight	Approximately 3.94 pounds
Product Dimensions	Approximately 13 x 1.5 x 15 inches

7. Warranty and Support

For information regarding product warranty, returns, or technical support, please contact Race-Driven directly through their official channels or the retailer from whom the product was purchased.

You can visit the Race-Driven Store for more information:Race-Driven Store on Amazon

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