

[Manuals.plus](#) /

> [ASV Inventions](#) /

> ASV F3 Series Unbreakable Foldable Rear Brake Lever for Stacyc 12eDrive / 16eDrive - Black Instruction Manual

ASV Inventions REF301

ASV F3 Series Unbreakable Foldable Rear Brake Lever Instruction Manual

Model: REF301 | For Stacyc 12eDrive / 16eDrive

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the ASV F3 Series Unbreakable Foldable Rear Brake Lever, model REF301. This lever is specifically designed for use with Stacyc 12eDrive and 16eDrive electric balance bikes, offering enhanced ergonomics and durability.



Image 1: The ASV F3 Series Unbreakable Foldable Rear Brake Lever in black. This lever features a robust design with a pivot mechanism for durability and an adjustable reach.

PRODUCT FEATURES

- **Unbreakable Design:** Features a pivot mechanism that allows the lever to fold away during impact, preventing breakage.
- **Adjustable Reach:** Provides approximately 4 inches of adjustment range, allowing customization for various hand sizes without affecting braking performance.
- **Durable Construction:** Manufactured from forged aluminum, anodized for corrosion resistance, and equipped with chrome silicon high-tension springs and stainless-steel fasteners.
- **Easy Installation:** Designed for straightforward mounting into the stock perch of Stacyc 12eDrive and 16eDrive bikes.
- **Rebuildable:** Components are designed to be completely rebuildable for extended product life.

SETUP AND INSTALLATION

The ASV F3 Series brake lever is designed for easy installation. A comprehensive installation video is typically included with the product packaging to guide you through the process. The general steps involve replacing the existing rear brake lever on your Stacyc 12eDrive or 16eDrive electric balance bike.

1. **Preparation:** Ensure the bike is stable and powered off. Gather necessary tools (e.g., Allen wrenches, screwdrivers).
2. **Remove Existing Lever:** Carefully detach the existing rear brake lever from the handlebar perch. Note the routing of the brake cable.
3. **Install ASV Lever:** Mount the ASV F3 Series lever into the stock perch. Ensure all fasteners are securely tightened according to manufacturer specifications.
4. **Connect Brake Cable:** Reconnect the brake cable to the new ASV lever.
5. **Adjust Brake Tension:** Adjust the brake cable tension to ensure proper brake engagement and release.
6. **Test Functionality:** Before riding, thoroughly test the brake lever for proper operation, ensuring it engages smoothly and fully releases.



Image 2: The ASV F3 Series brake lever (black) installed on the handlebar of a Stacyc electric balance bike. This image demonstrates the lever's integration with the bike's controls.

OPERATING INSTRUCTIONS

The ASV F3 Series brake lever is designed for intuitive operation. Its primary function is to engage the rear brake of your Stacyc electric balance bike.

- **Brake Engagement:** Squeeze the lever towards the handlebar to engage the rear brake. The amount of pressure applied will determine the braking force.
- **Adjustable Reach:** The lever features an adjustable reach mechanism. To adjust, locate the adjustment screw or dial (if present) and rotate it to move the lever closer to or further from the handlebar. This allows riders to customize the lever position for optimal comfort and control based on hand size.
- **Foldable Design:** In the event of an impact or fall, the lever is designed to pivot forward, reducing the risk of bending or breaking. After an impact, manually return the lever to its operating position.



Image 3: A blue ASV F3 Series brake lever mounted on a Stacyc bike handlebar, illustrating the lever's position relative to the grip. This highlights the ergonomic design for easy access.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ASV F3 Series brake lever.

- **Cleaning:** Clean the lever and pivot points regularly with a mild cleaner and soft cloth. Avoid abrasive materials or harsh chemicals.
- **Lubrication:** Periodically apply a small amount of appropriate lubricant to the pivot points to ensure smooth operation and prevent corrosion.
- **Inspection:** Regularly inspect the lever for any signs of wear, damage, or loose fasteners. Check the brake cable for fraying or proper tension.
- **Rebuild:** If components show significant wear or damage, the lever is designed to be rebuildable. Contact ASV Inventions support for rebuild kits or guidance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Lever feels stiff or sticky	Lack of lubrication, dirt/debris in pivot, bent component.	Clean and lubricate pivot points. Inspect for damage.
Brake not engaging fully	Loose brake cable, incorrect cable tension, worn brake pads (on bike).	Adjust brake cable tension. Inspect brake pads on the bike.
Lever does not return to original position	Damaged spring, pivot obstruction, bent lever.	Inspect spring and pivot. Clean any obstructions. Consider rebuilding or replacement.

SPECIFICATIONS

Attribute	Detail
Model Number	REF301
Brand	ASV Inventions
Material	Forged Aluminum, Stainless Steel
Color	Black (as per current product)
Product Dimensions	Approximately 3"L x 2"W
Adjustable Reach	Up to 4 inches of range
Compatibility	Stacyc 12eDrive, Stacyc 16eDrive

WARRANTY AND SUPPORT

ASV Inventions provides a comprehensive warranty for this product.

- **Warranty:** This product comes with a **3-year unconditional guarantee** from the manufacturer, ASV Inventions.
- **Support:** For technical assistance, warranty claims, or to inquire about rebuild kits, please contact ASV Inventions directly. Refer to the contact information provided with your product packaging or visit the official ASV Inventions website.



Image 4: The ASV Inventions logo, representing the manufacturer of the brake lever. Image 5: The WMR Competition Performance logo, a seller of ASV products, alongside logos of compatible motorcycle brands.

