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Briggs & Stratton 390383

Briggs & Stratton LINK-BELL CRANK Part #390383 Instruction Manual

Model: 390383

Brand: Briggs & Stratton

Introduction

This manual provides essential information for the proper installation, function, and maintenance of your Briggs & Stratton LINK-BELL CRANK, Part #390383. This component is designed as a direct replacement part for specific Briggs & Stratton engines and equipment, ensuring optimal performance and durability. Please read all instructions carefully before proceeding with installation or maintenance.

Safety Information

Always prioritize safety when working with machinery and replacement parts. Failure to follow these safety guidelines could result in personal injury or damage to equipment.

- Always disconnect the spark plug wire or battery cable before performing any service or maintenance to prevent accidental starting.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, to protect against potential hazards.
- Ensure the equipment is stable and cannot move unexpectedly during installation.
- Use only genuine Briggs & Stratton replacement parts or approved equivalents to ensure compatibility and proper function.
- If you are unsure about any step, consult a qualified service technician.

Installation Instructions

The Briggs & Stratton LINK-BELL CRANK #390383 is a precision component. Follow these steps for correct installation. Refer to your equipment's specific service manual for detailed diagrams and torque specifications.

1. **Preparation:** Ensure the engine is cool and the spark plug wire is disconnected. Clean the area around the existing bell crank to remove any dirt or debris.

2. **Removal of Old Part:** Carefully identify and disconnect any linkages or springs attached to the old bell crank. Note their positions for reassembly. Remove the fasteners securing the old bell crank to the engine or chassis.
3. **Inspect Mounting Area:** Check the mounting surface for any damage or wear. Ensure it is clean and flat before installing the new part.
4. **Install New Bell Crank:** Position the new Briggs & Stratton LINK-BELL CRANK #390383 in its correct orientation. Secure it with the appropriate fasteners. Do not overtighten.
5. **Reconnect Linkages:** Reattach all linkages, springs, and other components to the new bell crank exactly as they were on the old part. Ensure all connections are secure and move freely without binding.
6. **Function Test:** Once installed, manually operate the throttle or choke control (if applicable) to ensure the bell crank moves smoothly and correctly actuates the connected components.
7. **Final Steps:** Reconnect the spark plug wire. Start the engine and perform a final check to ensure proper operation and no unusual noises or movements.



This image displays the Briggs & Stratton #390383 LINK-BELL CRANK, a crucial component for various lawn and garden equipment. The part is shown clearly, highlighting its shape and connection points, which are essential for proper identification and installation.

Function and Operation

The LINK-BELL CRANK #390383 serves as a pivotal connection point within the engine's control system, typically linking the throttle or choke control lever to the carburetor or governor. Its primary function is to translate the movement of the control lever into the precise action required to adjust engine speed or fuel mixture. Proper installation ensures smooth and responsive control over your equipment's engine.

Maintenance

While the LINK-BELL CRANK is a durable component, periodic inspection can help ensure its longevity and proper function.

- **Visual Inspection:** Periodically check the bell crank for any signs of wear, bending, or corrosion. Ensure all attached linkages are secure and not binding.
- **Lubrication:** Apply a small amount of light oil or grease to the pivot points of the bell crank and its linkages

to ensure smooth operation, especially if operating in dusty or wet conditions.

- **Cleaning:** Keep the area around the bell crank free of dirt, grass clippings, and other debris that could impede its movement.

Troubleshooting

If you experience issues after installing the LINK-BELL CRANK, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Stiff or binding movement	Incorrect installation, lack of lubrication, debris.	Recheck installation, lubricate pivot points, clean area.
Engine not responding to controls	Linkages disconnected or improperly attached.	Verify all linkages are securely connected to the bell crank and carburetor/governor.
Excessive play in bell crank	Loose fasteners, worn mounting points.	Tighten fasteners (do not overtighten), inspect for wear on mounting surfaces.

Specifications

- **Part Number:** 390383
- **Product Dimensions:** 1 x 7 x 8 inches
- **Item Weight:** 0.48 ounces
- **Manufacturer:** Briggs & Stratton

Warranty Information

This Briggs & Stratton genuine replacement part is covered by the manufacturer's standard warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the documentation provided with your original Briggs & Stratton equipment or visit the official Briggs & Stratton website.

Customer Support

For further assistance, technical support, or to locate authorized service centers, please contact Briggs & Stratton directly through their official website or customer service channels. When contacting support, please have your product model number (390383) and any relevant equipment information readily available.

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