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Briggs & Stratton 691800

Briggs & Stratton OEM 691800 Tappet-Valve Instruction Manual

Model: 691800

1. Introduction

The Briggs & Stratton OEM 691800 Tappet-Valve is a genuine replacement component designed for specific Briggs & Stratton small engines. This part plays a crucial role in the engine's valve train system, ensuring proper valve timing and operation. Correct installation and maintenance of the tappet-valve are essential for the efficient and reliable performance of your engine.
This manual provides guidance on the function, installation, and maintenance of the 691800 Tappet-Valve. Always refer to your specific engine's service manual for detailed, model-specific instructions and safety precautions.

2. Safety Information

- Always disconnect the spark plug wire before performing any service or maintenance on the engine to prevent accidental starting.
- Allow the engine to cool completely before handling any components to avoid burns.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, when working on engines.
- Ensure you are working in a well-ventilated area.
- If you are unsure about any procedure, consult a qualified service technician or your engine's official service manual.

3. Product Overview

The 691800 Tappet-Valve is a precision-engineered metal component. It features a cylindrical shaft with a flat, circular head at one end, designed to interact with the camshaft and pushrod to actuate the engine valves.



Image 1: Close-up view of the Briggs & Stratton OEM 691800 Tappet-Valve, showing its metallic construction and design.

4. Installation

Replacing a tappet-valve requires careful attention to detail and adherence to specific engine service procedures. It is highly recommended that this procedure be performed by a qualified technician or by following your engine's official service manual.

General Installation Steps (Consult Engine Service Manual for specifics):

1. **Preparation:** Ensure the engine is cool and the spark plug wire is disconnected. Drain engine oil if necessary, depending on engine orientation required for access.
2. **Access:** Remove any components obstructing access to the valve cover and cylinder head area. This may include fuel tank, air filter, and shrouds.
3. **Valve Cover Removal:** Carefully remove the valve cover to expose the rocker arms, pushrods, and valve springs.

4. **Disassembly:** Remove the rocker arm, pushrod, and valve spring retainer (if applicable) to gain access to the tappet-valve. Note the orientation of all components for correct reassembly.
5. **Tappet-Valve Removal:** Extract the old tappet-valve. This may require rotating the crankshaft to a specific position to relieve pressure or using a magnet.
6. **Installation of New Tappet-Valve:** Lubricate the new Briggs & Stratton OEM 691800 Tappet-Valve with clean engine oil. Carefully insert it into its bore, ensuring it seats correctly.
7. **Reassembly:** Reinstall the valve spring retainer, pushrod, and rocker arm in the reverse order of removal. Ensure proper valve lash adjustment according to your engine's specifications.
8. **Final Steps:** Reinstall the valve cover with a new gasket (if required), reconnect the spark plug wire, refill engine oil, and reattach any removed components.

Important: *Incorrect valve lash adjustment can lead to poor engine performance or damage. Always follow the manufacturer's specifications for valve clearance.*

5. Operating Considerations

The Briggs & Stratton OEM 691800 Tappet-Valve is an internal engine component that operates continuously when the engine is running. Its proper function is critical for the engine's intake and exhaust valves to open and close at the correct times. Once correctly installed and adjusted, no further operational input is required from the user regarding the tappet-valve itself. The engine's overall operation will reflect the correct functioning of this component.

6. Maintenance

The tappet-valve itself is generally a long-lasting component. Its longevity is primarily dependent on proper engine lubrication and regular oil changes. During routine engine maintenance, especially when performing valve adjustments or other top-end work, inspect the tappet-valve for:

- **Wear:** Check the contact surface with the camshaft for excessive wear, pitting, or scoring.
- **Damage:** Look for any signs of physical damage, cracks, or deformation.
- **Cleanliness:** Ensure the tappet-valve is free from carbon buildup or sludge, which can impede its movement.

If any significant wear or damage is observed, replace the tappet-valve with a new Briggs & Stratton OEM 691800 part.

7. Troubleshooting

A faulty or improperly installed tappet-valve can lead to various engine performance issues. If you experience any of the following symptoms, consider inspecting the tappet-valve and associated valve train components:

- **Excessive Valve Noise:** A clicking or tapping sound from the valve cover area, especially if valve lash is correctly set, could indicate a worn tappet-valve or other valve train component.
- **Loss of Engine Power:** Incorrect valve timing due to a damaged tappet-valve can lead to reduced engine power and efficiency.
- **Rough Idling or Stalling:** Improper valve operation can disrupt the engine's combustion cycle, causing unstable idling or stalling.
- **Difficulty Starting:** If valves are not opening or closing correctly, compression can be affected, making the engine hard to start.

Always perform a thorough diagnosis of the entire engine system before concluding that the tappet-valve is the sole

cause of an issue.

8. Specifications

Specification	Detail
Model Number	691800
Manufacturer	Briggs & Stratton
Product Dimensions	48 x 48 x 48 inches (Note: This dimension likely refers to shipping package, not the part itself)
Item Weight	51 pounds (Note: This weight likely refers to shipping weight, not the part itself)
ASIN	B00PKDK5WA
Condition	New
Country of Manufacture	United States

Note: Product dimensions and item weight provided may refer to shipping packaging or general product line data and not the exact physical dimensions/weight of the small tappet-valve itself.

9. Warranty and Support

This Briggs & Stratton OEM 691800 Tappet-Valve is covered by the standard manufacturer's warranty. For specific warranty terms, conditions, and duration, please refer to the documentation included with your purchase or visit the official Briggs & Stratton website. For technical support, parts inquiries, or service assistance, please contact Briggs & Stratton customer service directly or consult an authorized service dealer.
You can often find additional resources, including detailed engine diagrams and service manuals, on the official Briggs & Stratton website: www.briggsandstratton.com

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