



Manuals.plus /

› Briggs & Stratton /

› Briggs & Stratton 790574 Governor Shaft Seal Instruction Manual

## Briggs & Stratton 790574

# Briggs & Stratton 790574 Governor Shaft Seal Instruction Manual

Genuine Replacement Part for Optimal Engine Performance

## 1. INTRODUCTION

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The Briggs & Stratton 790574 Governor Shaft Seal is a genuine OEM replacement part designed to maintain the integrity of your engine's governor shaft. This seal prevents oil leaks from around the governor shaft, ensuring proper engine lubrication and operation. Using genuine Briggs & Stratton parts helps to keep your outdoor power equipment running at peak performance and ensures compliance with applicable emission regulations.

## 2. SAFETY INFORMATION

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Always prioritize safety when working on any engine. Failure to follow these safety guidelines could result in serious injury or damage to equipment.

- **Disconnect Spark Plug:** Before performing any service, always disconnect the spark plug wire and secure it away from the spark plug to prevent accidental starting.
- **Engine Cool Down:** Allow the engine to cool completely before beginning work. Hot engine components can cause severe burns.
- **Fuel and Oil:** Be aware of fuel and oil. Work in a well-ventilated area and avoid open flames or sparks. Clean up any spills immediately.
- **Eye Protection:** Wear appropriate eye protection to shield against debris or fluid splashes.
- **Gloves:** Consider wearing gloves to protect your hands from sharp edges, hot surfaces, and chemicals.
- **Proper Tools:** Use the correct tools for each task to prevent damage to parts or injury.

## 3. PRODUCT OVERVIEW

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The 790574 Governor Shaft Seal is a small, yet critical component in many Briggs & Stratton engines. It is designed to create a tight seal around the governor shaft, preventing oil from leaking out of the engine crankcase. This genuine OEM part ensures a precise fit and reliable performance.



*Image 1: The Briggs & Stratton 790574 Governor Shaft Seal. This image shows the black, circular rubber seal designed to fit around the governor shaft, preventing oil leaks.*

## 4. INSTALLATION INSTRUCTIONS

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This section outlines the general procedure for replacing the governor shaft seal. Specific engine models may vary, so always refer to your engine's service manual for detailed instructions.

### 4.1. Tools Required

- Socket/Wrench Set (for engine cover/components)
- Flathead Screwdriver or Pick Tool (for old seal removal)
- Clean Rags
- Engine Oil (for lubrication during installation)
- New Briggs & Stratton 790574 Governor Shaft Seal

### 4.2. Procedure

1. **Preparation:** Ensure the engine is cool and the spark plug wire is disconnected. Place the equipment on a stable, level surface.
2. **Access the Governor Shaft:** Depending on your engine model, you may need to remove certain components (e.g., blower housing, fuel tank, carburetor, or other shrouds) to gain access to the governor shaft and its seal. Carefully note the position of all removed parts for reassembly.
3. **Remove Old Seal:** Using a small flathead screwdriver or a pick tool, carefully pry out the old governor shaft seal. Be cautious not to scratch or damage the engine block or the governor shaft itself. Clean the area thoroughly, removing any old oil residue or debris.
4. **Install New Seal:** Lightly lubricate the new Briggs & Stratton 790574 Governor Shaft Seal with clean engine oil. This will help it slide into place smoothly and prevent damage during installation.

5. **Seat the Seal:** Carefully press the new seal into its bore. Ensure it is seated squarely and flush with the engine surface. You may use a socket of appropriate size (slightly smaller than the seal's outer diameter) and gently tap it with a rubber mallet to ensure it is fully seated, taking care not to deform the seal.
6. **Reassembly:** Reinstall all components that were removed to access the governor shaft. Ensure all bolts are tightened to the manufacturer's specifications (refer to your engine's service manual).
7. **Test:** Reconnect the spark plug wire. Add engine oil if necessary. Start the engine and check for any leaks around the newly installed seal. Allow the engine to run for a few minutes to reach operating temperature and re-check for leaks.

## 5. MAINTENANCE

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While the governor shaft seal itself requires no routine maintenance, regular engine maintenance is crucial for its longevity and the overall health of your equipment.

- **Regular Oil Checks:** Routinely check your engine's oil level and ensure it is within the recommended range. Low oil levels can lead to increased wear on internal components, including seals.
- **Use Genuine Parts:** Always use genuine Briggs & Stratton replacement parts for repairs to ensure compatibility and durability.
- **Cleanliness:** Keep the engine exterior clean to easily spot any potential oil leaks early.

## 6. TROUBLESHOOTING

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The primary issue addressed by replacing the governor shaft seal is oil leakage.

### Symptom: Oil Leak Around Governor Shaft

If you observe oil leaking from the area where the governor shaft enters the engine block, it is a strong indication that the governor shaft seal has failed or is worn out. This can lead to reduced oil levels and potential engine damage if not addressed.

- **Solution:** Replace the governor shaft seal with a new Briggs & Stratton 790574 part following the installation instructions provided in Section 4.
- **Check for Other Leaks:** After replacing the seal, ensure there are no other oil leaks from different parts of the engine.

## 7. SPECIFICATIONS

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Attribute	Value
Part Number	790574
Manufacturer	Briggs & Stratton
Product Dimensions	4 x 4 x 0.25 inches
Item Weight	0.16 ounces
Material	Rubber/Composite (typical for seals)
Origin	Made in Taiwan, Province Of China

## 8. WARRANTY AND SUPPORT

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As a genuine Briggs & Stratton replacement part, the 790574 Governor Shaft Seal is covered by Briggs & Stratton's standard warranty for genuine parts. For specific warranty details, claims, or technical support, please refer to the official Briggs & Stratton website or contact their customer service directly. Always retain your proof of purchase.

For further assistance, consult your engine's original owner's manual or a certified Briggs & Stratton service dealer.

**Briggs & Stratton Official Website:** [www.briggsandstratton.com](http://www.briggsandstratton.com)

