



[Manuals.plus](#) /

> [Toro](#) /

> Toro Part # 120-4337 Governor Spring User Manual

Toro 120-4337

Toro Part # 120-4337 Governor Spring User Manual

Essential instructions for installation, maintenance, and troubleshooting.

[Overview](#) [Installation](#) [Operating](#) [Introduction](#) [Safety](#) [Product](#)
[Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and troubleshooting of your Toro Part # 120-4337 Governor Spring. Please read this manual thoroughly before attempting any installation or service to ensure safe and effective operation. This governor spring is a critical component designed to regulate engine speed in compatible Toro equipment.

2. SAFETY INFORMATION

Always prioritize safety when working with engine components. Failure to follow these safety instructions may result in serious injury or damage to equipment.

- **Disconnect Power:** Always ensure the engine is turned off and spark plug wire is disconnected before beginning any work.
- **Wear Protective Gear:** Use appropriate personal protective equipment, including safety glasses and gloves.
- **Consult Service Manual:** Refer to your specific equipment's service manual for detailed instructions on governor spring replacement and engine disassembly/assembly.
- **Use Correct Tools:** Ensure you have the proper tools for the job to prevent damage to parts or injury.
- **Keep Children Away:** Do not allow children or unauthorized personnel near the work area.

3. PRODUCT OVERVIEW

The Toro Part # 120-4337 Governor Spring is an OEM (Original Equipment Manufacturer) replacement part designed for specific Toro lawn and garden equipment. Its primary function is to work in conjunction with the governor system to maintain a consistent engine speed under varying loads, ensuring optimal performance and fuel efficiency.



Figure 1: Toro Part # 120-4337 Governor Spring. This image shows the compact, coiled metal spring designed for engine speed regulation.

4. INSTALLATION (SETUP)

Installation of the governor spring requires careful attention to detail. Always refer to your equipment's specific service manual for the exact procedure, as engine designs can vary.

1. **Preparation:** Ensure the engine is cool, spark plug wire is disconnected, and the equipment is stable.
2. **Access Governor Linkage:** Depending on your engine model, you may need to remove air filters, shrouds, or other components to access the governor arm and linkage.
3. **Remove Old Spring:** Carefully unhook the old governor spring from its attachment points. Note its orientation and connection points.
4. **Install New Spring:** Attach the new Toro Part # 120-4337 Governor Spring to the same attachment points, ensuring it is securely seated and not kinked or stretched improperly.
5. **Reassemble:** Reinstall any removed components in reverse order.
6. **Test:** Reconnect the spark plug wire. Start the engine and check for proper speed regulation. If the engine surges or runs at an incorrect speed, shut it off immediately and re-check the installation.

Note: *Incorrect spring installation can lead to engine over-speeding or under-speeding, potentially causing damage. If unsure, consult a qualified service technician.*

5. OPERATING CONSIDERATIONS

Once installed correctly, the governor spring operates automatically as part of the engine's governor system. There are no user-adjustable operating parameters for the spring itself. Its function is to maintain the engine's set RPM under varying loads. Ensure that the engine is properly tuned and other governor components (like the governor arm and linkage) are free from obstruction and operate smoothly for optimal performance.

6. MAINTENANCE

The governor spring itself requires minimal maintenance, but periodic inspection is crucial for continued reliable operation.

- **Visual Inspection:** During routine engine maintenance, visually inspect the governor spring for signs of wear, stretching, corrosion, or damage.
- **Check Connections:** Ensure the spring remains securely attached at both ends.
- **Cleanliness:** Keep the area around the governor linkage and spring free from dirt, debris, and grass clippings that could impede its movement.
- **Replacement:** If the spring appears stretched, corroded, or damaged in any way, replace it immediately with a genuine Toro Part # 120-4337 to ensure proper engine function.

7. TROUBLESHOOTING

If your engine exhibits issues related to speed regulation, the governor spring might be a contributing factor. Always consult your equipment's service manual for comprehensive troubleshooting.

Symptom	Possible Cause	Recommended Action
Engine surges or "hunts" for speed	Stretched or weak governor spring, dirty carburetor, incorrect governor adjustment.	Inspect governor spring for damage/stretch; replace if necessary. Check carburetor and governor linkage.
Engine runs too fast or too slow	Incorrect governor spring installed, improperly adjusted governor, damaged governor linkage.	Verify correct spring part number. Check governor linkage for free movement and proper adjustment.
Engine does not respond to throttle changes	Disconnected or broken governor spring, seized governor linkage.	Inspect governor spring and linkage for damage or disconnections.

Warning: Do not attempt to adjust engine speed by modifying the governor spring. This can lead to engine damage or personal injury.

8. SPECIFICATIONS

Feature	Detail
Part Number	120-4337
Manufacturer	Toro
Product Type	Governor Spring
Material	High-grade spring steel (typical for governor springs)
Application	Engine speed regulation in compatible Toro equipment

9. WARRANTY AND SUPPORT

This Toro Part # 120-4337 Governor Spring is an OEM replacement part. For specific warranty information regarding genuine Toro parts, please refer to the official Toro website or contact their customer support directly. Warranty terms typically cover defects in material and workmanship under normal use.

Customer Support:

- For technical assistance or questions about your Toro equipment, please visit the official Toro website: www.toro.com
- Contact your authorized Toro dealer for service and genuine replacement parts.

