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Briggs & Stratton 310574GS

Briggs & Stratton Genuine Fuel Tank Valve User Manual

Model: 310574GS

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Briggs & Stratton Genuine 310574GS Fuel Tank Valve. This valve is a genuine replacement part designed for use on select generators, ensuring optimal performance and compatibility. Please read this manual thoroughly before installation and use to ensure safety and prolong the life of your equipment.

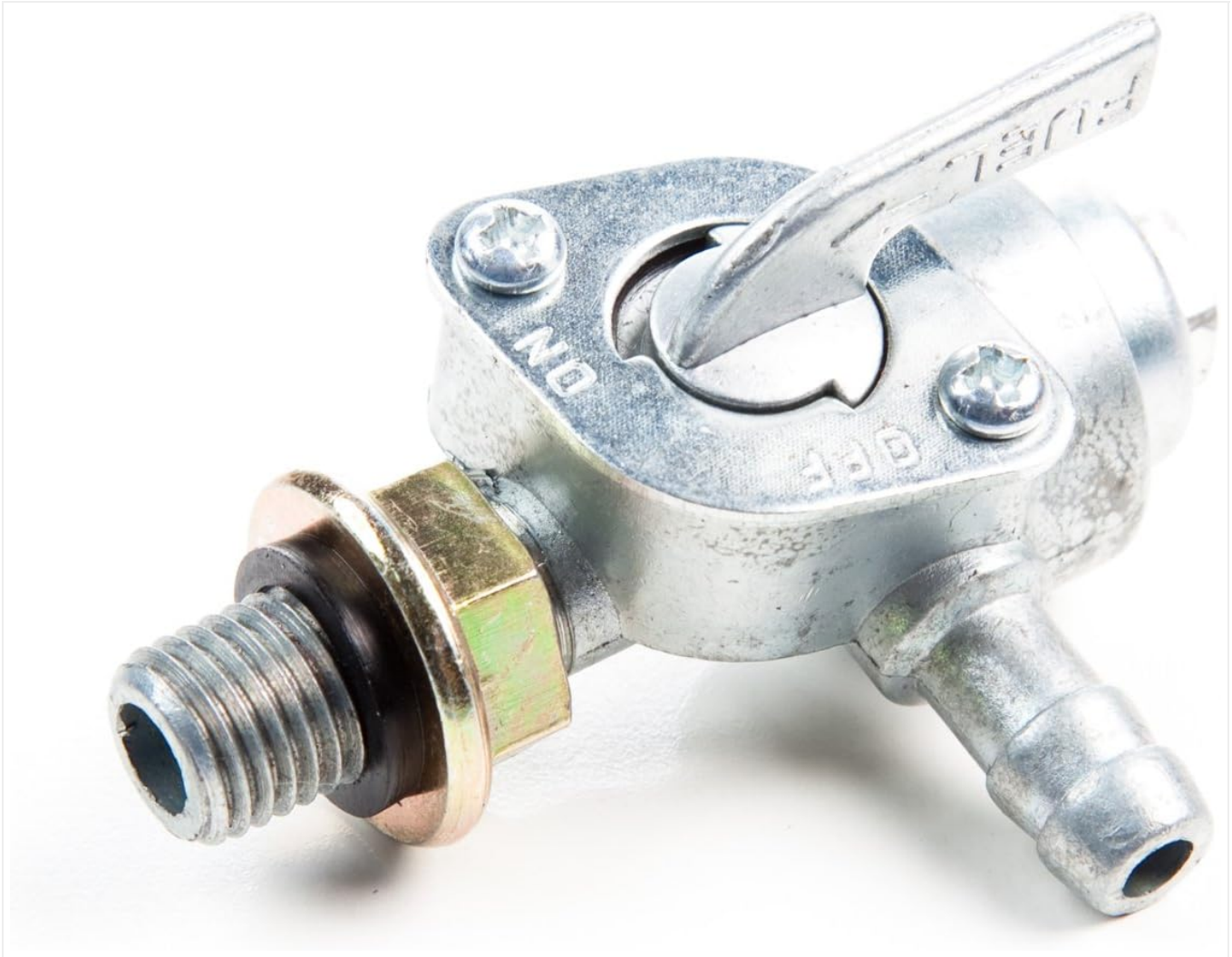


Figure 1: Briggs & Stratton Genuine 310574GS Fuel Tank Valve. This image shows the fuel valve from an angled perspective, highlighting its metal construction, threaded inlet, and hose barb outlet, with the "ON" and "OFF" positions clearly visible on the lever.

2. Safety Information

Always observe the following safety precautions when handling fuel system components:

- **Fuel is highly flammable:** Work in a well-ventilated area, away from open flames, sparks, or other ignition sources.
- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses and fuel-resistant gloves.
- **Disconnect power:** Ensure the engine is off and cooled down before beginning any work on the fuel system. Disconnect the spark plug wire to prevent accidental starting.
- **Drain fuel:** Before removing the old valve, ensure the fuel tank is empty or the fuel line is clamped to prevent spills.
- **Dispose of fuel properly:** Collect any drained fuel in an approved container and dispose of it according to local regulations.
- **Check for leaks:** After installation, carefully check all connections for fuel leaks before operating the equipment.

3. Installation (Setup)

This section outlines the general steps for replacing an existing fuel tank valve. Specific procedures may vary depending on your equipment model. Refer to your equipment's service manual for detailed instructions.

1. **Prepare the work area:** Ensure the area is clean, well-ventilated, and free from ignition sources. Have a suitable container ready to catch any residual fuel.
2. **Drain fuel:** If the tank is not empty, drain the fuel into an approved container.
3. **Remove old valve:** Carefully disconnect the fuel line from the old valve. Use a wrench to loosen and remove the old valve from the fuel tank. Be prepared for minor fuel drips.
4. **Inspect mounting area:** Clean the mounting surface on the fuel tank to ensure a proper seal with the new valve.
5. **Install new valve:** Thread the new Briggs & Stratton 310574GS fuel tank valve into the fuel tank opening. Ensure the included washer is correctly seated. Tighten securely, but do not overtighten, as this can damage the valve or tank threads.
6. **Connect fuel line:** Reconnect the fuel line to the hose barb on the new valve. Secure it with a clamp if necessary.
7. **Refill fuel tank:** Carefully refill the fuel tank with the appropriate type of fuel.
8. **Check for leaks:** With the fuel tank refilled, visually inspect all connections for any signs of fuel leaks. Address any leaks immediately before proceeding.

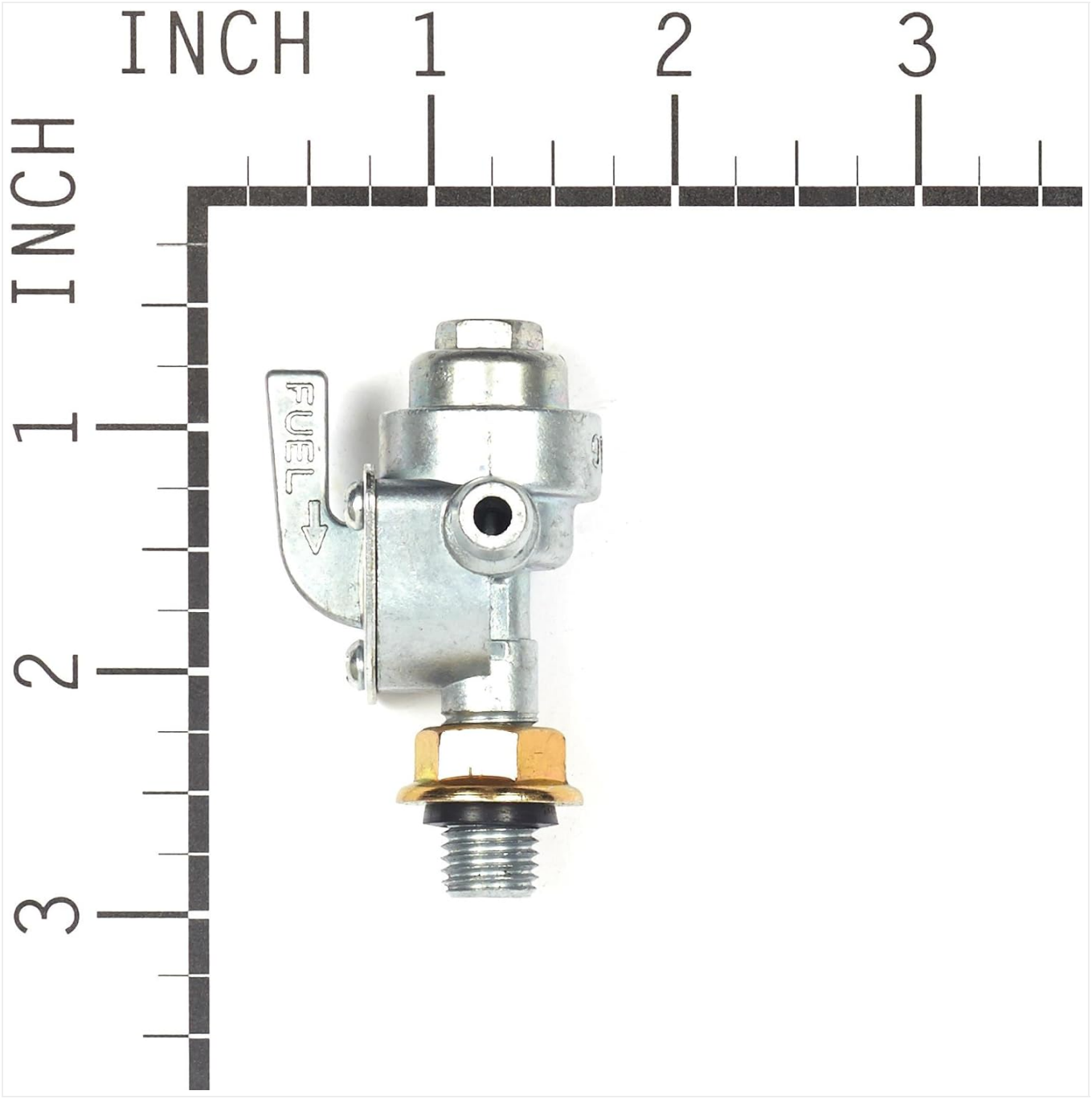


Figure 2: Dimensions of the Briggs & Stratton 310574GS Fuel Tank Valve. This image provides a side view of the fuel valve with an inch ruler overlay, indicating its approximate length and height for compatibility verification.

4. Operation

The Briggs & Stratton 310574GS Fuel Tank Valve features a simple lever mechanism for controlling fuel flow.

- **"ON" Position:** Rotate the lever to the "ON" position to allow fuel to flow from the tank to the engine. This is the position for normal operation.
- **"OFF" Position:** Rotate the lever to the "OFF" position to stop the fuel flow. This position should be used when storing the equipment, performing maintenance, or transporting the equipment to prevent fuel leaks and ensure safety.

5. Maintenance

The Briggs & Stratton 310574GS Fuel Tank Valve is designed for durability and requires minimal maintenance. However, regular inspection is recommended.

- **Regular Inspection:** Periodically check the valve and surrounding fuel lines for any signs of leaks, cracks, or damage. Ensure the lever moves smoothly between "ON" and "OFF" positions.
- **Cleaning:** If the exterior of the valve becomes dirty, wipe it clean with a damp cloth. Avoid using harsh chemicals that could damage the plastic or metal components.
- **Fuel Quality:** Using clean, fresh fuel and avoiding fuel with high ethanol content can help prolong the life of fuel system components, including the valve's internal seals.

6. Troubleshooting

If you encounter issues with your fuel tank valve, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Fuel Leak at Valve Connection	Loose connection, damaged threads, or improper sealing washer.	Tighten the valve connection. Inspect threads and washer for damage; replace if necessary. Ensure proper installation as per Section 3.
No Fuel Flow (Valve in "ON" position)	Valve clogged, fuel line kinked, or fuel filter blocked.	Check for obstructions in the valve or fuel line. Inspect and clean/replace the fuel filter if present.
Valve Lever Stiff or Stuck	Accumulation of debris or corrosion.	Attempt to gently work the lever. If it remains stiff, the valve may need replacement. Do not force the lever.

7. Specifications

Attribute	Detail
Model Number	310574GS
Replaces Part Numbers	193272, 204743GS
Brand	Briggs & Stratton
Material	Plastic (Valve body may contain metal components)
Valve Type	Fuel Valve
Inlet Connection Type	Threaded
Outlet Connection Size	1.38 Inches (Hose Barb)
Product Dimensions (L x W x H)	1.63 x 1.38 x 2.38 inches
Item Weight	2.4 ounces
Power Source Type	Manual

8. Genuine Parts Information

This product is a genuine Briggs & Stratton part. Using genuine parts ensures proper fit, performance, and durability for your equipment.

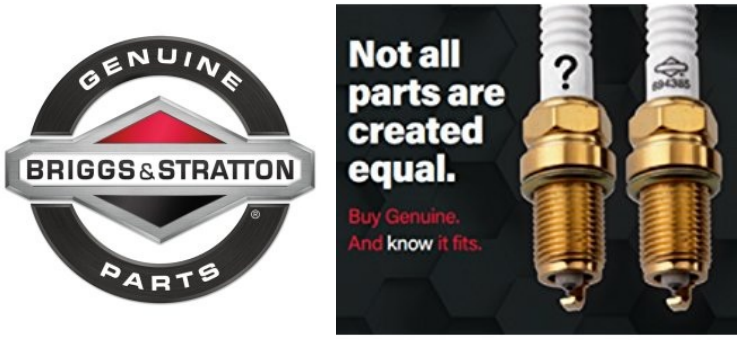


Figure 3: Briggs & Stratton Genuine Parts. The image on the left displays the official "Genuine Briggs & Stratton Parts" logo. The image on the right illustrates the importance of using genuine parts, showing two spark plugs with the text "Not all parts are created equal. Buy Genuine. And know it fits."



Figure 4: Genuine Part Comparisons. The left image shows a comparison between a genuine Briggs & Stratton oil filter and a non-genuine one. The right image shows a similar comparison for air filters, emphasizing the visual differences.

9. Warranty and Support

As a genuine Briggs & Stratton part, this fuel tank valve is covered by the standard Briggs & Stratton warranty for replacement parts. For specific warranty details, claims, or technical support, please refer to the official Briggs & Stratton website or contact their customer service directly.
For further assistance, visit the official Briggs & Stratton Store:Briggs & Stratton Store on Amazon

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