

## Eopzol EG13040

# Eopzol Replacement Manifold-Intake 592842 User Manual

Brand: Eopzol | Model: EG13040

## 1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Eopzol Replacement Manifold-Intake, part number 592842. This component is designed as a direct replacement for specific Briggs & Stratton engine models. Proper installation and maintenance are crucial for optimal engine performance and longevity.

## 2. COMPATIBILITY

The Eopzol Replacement Manifold-Intake 592842 is compatible with a wide range of Briggs & Stratton engine models. Please verify your engine's model number against the list below to ensure proper fitment.

**Replaces Part Number:** 592842

**Compatible Briggs & Stratton Engine Models:**

- 31A507-0111-B1, 31A507-0111-E1, 31A507-0113-B1, 31A507-0113-E1, 31A507-0114-B1, 31A507-0114-E1, 31A507-0116-B1, 31A507-0116-E1, 31A507-0117-B1, 31A507-0117-E1
- 31A507-0118-B1, 31A507-0119-B1, 31A507-0120-B1, 31A507-0121-G1, 31A507-0122-B1, 31A507-0123-B1, 31A507-0124-B1, 31A507-0126-B1, 31A507-0130-B1, 31A507-0131-B1
- 31A507-0132-G5, 31A507-0133-G1, 31A507-0133-G5, 31A507-0134-B1, 31A507-0135-G1, 31A507-0135-G5, 31A507-0136-B1, 31A507-0137-G5, 31A507-0138-B1, 31A507-0140-B1
- 31A507-0141-B1, 31A507-0143-B1, 31A507-0144-G5, 31A507-0471-B1, 31A507-0742-B1, 31A507-0743-B1, 31A507-0839-B1, 31A507-0871-G1, 31A507-0871-G5, 31A507-1391-B1
- 31A507-1405-B1, 31A507-1498-G1, 31A507-1498-G5, 31A507-1516-B1, 31A507-1516-G5, 31A507-2391-B1, 31A507-2471-B1, 31A507-3405-G1, 31A507-3405-G5, 31A507-4111-B1
- 31A507-4117-B1, 31A507-4405-G1, 31A507-4405-G5
- 31A607-0026-G1, 31A607-0037-B1, 31A607-0111-B1, 31A607-0111-E1, 31A607-0113-B1, 31A607-0113-E1, 31A607-0114-B1, 31A607-0114-E1, 31A607-0115-B1, 31A607-0115-E1
- 31A607-0116-B1, 31A607-0116-E1, 31A607-0117-B1, 31A607-0117-E1, 31A607-0118-B1, 31A607-0118-E1, 31A607-0120-B1, 31A607-0123-B1, 31A607-0123-E1, 31A607-0124-B1
- 31A607-0125-B1, 31A607-0126-B1, 31A607-0127-B1, 31A607-0130-B1, 31A607-0132-B1, 31A607-0137-B1, 31A607-0138-B1, 31A607-0139-B1, 31A607-0140-B1, 31A607-0141-B1
- 31A607-0142-G1, 31A607-0144-B1, 31A607-0145-B1, 31A607-0149-B1, 31A607-0151-B1, 31A607-0152-B1, 31A607-0154-B1, 31A607-0155-B1, 31A607-0156-B1, 31A607-0157-B1
- 31A607-0158-B1, 31A607-0160-B1, 31A607-0161-B1, 31A607-0162-B1, 31A607-0164-B1, 31A607-0458-B1, 31A607-0458-

### 3. PACKAGE CONTENTS

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Upon opening the package, ensure all components are present and undamaged.

- 1 x Manifold-Intake (Part Number 592842)
- 2 x Gaskets (as shown in product images)



*Image 1: Eopzol Replacement Manifold-Intake 592842 with accompanying gaskets.*

### 4. SETUP AND INSTALLATION

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Installation of the intake manifold requires mechanical aptitude. If you are unsure about any steps, it is recommended to consult a qualified service technician. Always ensure the engine is cool and disconnected from its power source before beginning any work.

#### 4.1 Safety Precautions

- Ensure the engine is turned off and has cooled down completely.
- Disconnect the spark plug wire(s) to prevent accidental starting.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Work in a well-ventilated area.

#### 4.2 Tools Required (Typical)

- Socket wrench set
- Screwdrivers
- Gasket scraper or razor blade
- Clean rags
- Torque wrench (recommended for proper fastener tightening)

### 4.3 Installation Steps

1. **Preparation:** Locate the existing intake manifold on your Briggs & Stratton engine. Take photos of the connections for reference if needed.
2. **Disconnect Components:** Carefully disconnect any hoses, wires, or linkages attached to the manifold or carburetor. This may include fuel lines, vacuum lines, and throttle linkages.
3. **Remove Old Manifold:** Loosen and remove the bolts or nuts securing the old intake manifold to the engine block and carburetor. Carefully remove the old manifold and any old gasket material.
4. **Clean Mounting Surfaces:** Thoroughly clean the mounting surfaces on both the engine block and the carburetor. Remove all traces of old gasket material, dirt, and debris. A gasket scraper can be used, but be careful not to scratch or damage the metal surfaces.
5. **Install New Gaskets:** Place the new gaskets in their correct positions. Ensure they are properly aligned with the bolt holes and ports.
6. **Position New Manifold:** Carefully position the new Eopzol Manifold-Intake 592842 onto the engine, aligning it with the gaskets and bolt holes.
7. **Secure Manifold:** Insert the bolts or nuts and hand-tighten them. Then, using a wrench, tighten the fasteners evenly in a crisscross pattern to the manufacturer's specified torque (refer to your engine's service manual for exact torque specifications). Uneven tightening can lead to leaks.
8. **Reconnect Components:** Reconnect all hoses, wires, and linkages that were removed in step 2. Double-check all connections for security.
9. **Final Check:** Ensure all tools are removed from the engine area. Reconnect the spark plug wire(s).



*Image 2: View of the manifold-intake, highlighting the mounting points and gasket placement.*

## 5. OPERATION

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The intake manifold is a critical component of your engine's fuel delivery system. Its primary function is to distribute the air-fuel mixture evenly from the carburetor to the engine's cylinders. Once installed, the manifold operates passively as part of the engine system. Proper installation ensures an airtight seal, preventing vacuum leaks that can affect engine performance.

### 5.1 Post-Installation Check

- After installation, start the engine and listen for any unusual noises or air leaks around the manifold.
- Monitor engine performance for smooth operation, proper idle, and acceleration.
- If any issues arise, refer to the Troubleshooting section or consult a professional.

## 6. MAINTENANCE

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The Eopzol Replacement Manifold-Intake 592842 is designed for durability. Regular maintenance of your engine will help ensure the longevity of all its components, including the intake manifold.

- **Periodic Inspection:** Periodically inspect the manifold and its gaskets for any signs of cracking, wear, or leaks. Look for fuel stains or unusual deposits around the manifold.
- **Gasket Integrity:** Ensure the gaskets remain sealed. Over time, gaskets can degrade, leading to vacuum leaks.
- **Fastener Tightness:** Check the manifold mounting bolts for proper tightness during routine engine maintenance.
- **Cleanliness:** Keep the engine area clean to prevent debris from entering the intake system.



Image 3: Close-up view of the manifold-intake, showing the internal bore and gasket seating.

## 7. TROUBLESHOOTING

If you experience issues after installing the manifold, consider the following common problems:

- **Engine Running Rough/Poor Idle:** This can indicate a vacuum leak. Recheck the manifold mounting bolts for tightness and inspect the gaskets for proper seating and damage.
- **Fuel Leaks:** Ensure all fuel lines are securely connected and that the manifold-to-carburetor seal is intact.
- **Difficulty Starting:** A significant vacuum leak can make starting difficult. Verify all connections and seals.
- **Unusual Noises:** Hissing sounds often indicate an air leak.

If troubleshooting steps do not resolve the issue, it is advisable to consult a professional engine mechanic.

## 8. SPECIFICATIONS

Feature	Detail
Part Number	592842
Model Number	EG13040
Brand	Eopzol

Feature	Detail
Product Dimensions	1 x 1 x 1 inches (Approximate)
Manufacturer	Eopzol

## 9. WARRANTY AND SUPPORT

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Eopzol stands behind its products. This Replacement Manifold-Intake comes with:

- **30-Day Money-Back Guarantee:** If you are not satisfied with your purchase, you may return it within 30 days for a full refund.
- **18-Month Worry-Free Warranty:** This product is covered by an 18-month warranty against manufacturing defects.

For any questions regarding compatibility, installation, or warranty claims, please contact Eopzol customer support. When contacting support, please provide your engine's model and serial number for accurate assistance.

*Note: This is an aftermarket replacement part. Any brand names mentioned are used solely for the purpose of demonstrating compatibility.*