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A.A 29131G1, 14416G1

A.A Air Filter Replacement Instruction Manual

For EZGO Marathon Gas Golf Carts (1978-1991) - Models 29131G1, 14416G1

1. Introduction

This manual provides detailed instructions for the proper installation and maintenance of the A.A Air Filter Replacement, designed for EZGO Marathon Gas Golf Carts manufactured between 1978 and 1991. This air filter replaces OEM part numbers 14416G1 and 29131G1. Regular replacement of the air filter is crucial for maintaining engine performance, fuel efficiency, and longevity.

2. Safety Information

Always prioritize safety when performing maintenance on your golf cart. Failure to follow safety guidelines may result in injury or damage to the vehicle.

- Ensure the golf cart is turned off and the key is removed before beginning any work.
- Engage the parking brake to prevent accidental movement.
- Allow the engine to cool completely before handling any engine components.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Keep hands and clothing clear of moving parts.

3. Package Contents

Verify that all components are present and undamaged upon opening the package.

- 1 x A.A Air Filter Replacement (Part Numbers 14416G1, 29131G1 equivalent)

4. Specifications

The A.A Air Filter Replacement is engineered to meet or exceed the original equipment specifications for compatible EZGO Marathon golf carts.

Specification	Value
Inner Diameter (ID)	2 inches

Specification	Value
Outer Diameter (OD)	4-1/8 inches
Height	6-1/4 inches
Replaces OEM Part Numbers	14416G1, 29131G1
Product Dimensions (LxWxH)	6.25" x 4.13" x 6.25"

5. Installation Instructions

Follow these steps to replace the air filter in your EZGO Marathon Gas Golf Cart.

1. **Prepare the Golf Cart:** Ensure the golf cart is parked on a level surface, the engine is off, the key is removed, and the parking brake is engaged. Allow the engine to cool.
2. **Locate the Air Filter Housing:** The air filter housing is typically located near the engine compartment. Consult your golf cart's specific service manual if you have difficulty locating it.
3. **Remove the Housing Cover:** Depending on your model, the air filter housing cover may be secured with clips, screws, or wing nuts. Carefully unfasten these and remove the cover.
4. **Remove the Old Air Filter:** Gently pull out the old air filter element from the housing. Note its orientation for correct installation of the new filter.
5. **Inspect and Clean the Housing:** Examine the air filter housing for any debris, dust, or damage. Use a clean cloth to wipe the inside of the housing. Avoid using compressed air directly into the intake, as this can push debris further into the engine.
6. **Install the New Air Filter:** Insert the new A.A Air Filter Replacement into the housing, ensuring it seats properly and matches the orientation of the old filter. The rubber seals should fit snugly.



Figure 1: Side view of the A.A Air Filter Replacement, showing the pleated filter material and protective mesh.



Figure 2: Bottom view of the A.A Air Filter Replacement, illustrating the rubber seal and internal structure.

7. **Reattach the Housing Cover:** Place the air filter housing cover back into position and secure it with the clips, screws, or wing nuts that were removed earlier. Ensure it is tightly sealed to prevent unfiltered air from entering the engine.
8. **Test the Golf Cart:** Start the golf cart and listen for any unusual noises. Perform a brief test drive to confirm proper operation.

6. Operating Considerations

The air filter functions continuously while the engine is running, cleaning the air before it enters the carburetor or fuel injection system. No specific operational steps are required for the air filter itself beyond proper installation.

7. Maintenance

Regular inspection and replacement of the air filter are essential for optimal engine performance and longevity.

- **Inspection:** Visually inspect the air filter every 50-100 hours of operation or at least once a year, whichever comes first. Check for excessive dirt, debris, oil saturation, or physical damage.
- **Replacement:** Replace the air filter every 100-200 hours of operation or annually, or more frequently if operating in dusty or dirty environments. A clogged air filter can significantly reduce engine power and increase fuel consumption.

8. Troubleshooting

If you experience issues after replacing your air filter, consider the following:

- **Reduced Engine Performance:** If the engine feels sluggish or lacks power, ensure the new air filter is correctly seated and the housing is sealed tightly. An improperly installed filter can allow unfiltered air or restrict airflow.
- **Increased Fuel Consumption:** A severely clogged air filter can lead to the engine running rich, consuming more fuel. If this occurs shortly after replacement, re-check installation. If the issue persists with a new filter, other engine components may require inspection.
- **Unusual Engine Noises:** Ensure all clips, screws, or fasteners on the air filter housing are secure. Loose components can vibrate and create noise.

If problems persist, it is recommended to consult a qualified golf cart technician.

9. Warranty Information

This A.A Air Filter Replacement is manufactured to high-quality standards. For specific warranty details, please refer to the product packaging or contact the retailer where the product was purchased. Keep your proof of purchase for any warranty claims.

10. Support

For further assistance or inquiries regarding the A.A Air Filter Replacement, please contact your product supplier or refer to the manufacturer's official website for support resources.

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