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Briggs & Stratton 5140B

Briggs & Stratton 650e, 650ex, 725ex & Quantum Series Maintenance Kit User Manual

Model: 5140B

Introduction

This user manual provides essential information and step-by-step instructions for the proper use and maintenance of your Briggs & Stratton Genuine Maintenance Kit. This kit is designed to help keep your outdoor power equipment running at peak performance by addressing common maintenance issues such as dirty air filters, fouled spark plugs, and deteriorated oil. Regular maintenance using genuine Briggs & Stratton parts ensures optimal engine life and performance.

The kit is specifically compatible with Briggs & Stratton 650e, 650ex, 725ex, and Quantum Series engines.



Image: Front view of the Briggs & Stratton Tune-Up Kit packaging, showing the product name and compatible engine series.

Kit Contents

Your Briggs & Stratton Genuine Maintenance Kit includes the following components:

- **18 fl. oz. SAE 30 4-Cycle Small Engine Oil:** Formulated for optimal engine lubrication.
- **Air Filter:** Essential for protecting the engine from dust and debris.
- **Spark Plug:** Provides the necessary ignition for engine operation.



Image: The individual components of the maintenance kit, including a bottle of SAE 30 engine oil, an air filter, and a spark plug.

Setup and Preparation

Before beginning any maintenance, ensure the engine is cool and the equipment is on a level surface. Always disconnect the spark plug wire to prevent accidental starting. Wear appropriate safety gear, such as gloves and eye protection.

Tools Required (Not Included):

- Spark plug wrench
- Spark plug gap gauge
- Oil drain pan

- Funnel
- Clean rags

Maintenance Procedures

1. Oil Change

1. Place an oil drain pan under the engine's oil drain plug or dipstick tube.
2. Remove the oil drain plug or tilt the equipment to drain the old oil into the pan.
3. Once all old oil has drained, replace the drain plug securely.
4. Using a funnel, slowly add the new 18 fl. oz. of Briggs & Stratton SAE 30 4-Cycle Small Engine Oil.
5. Check the oil level using the dipstick, ensuring it is within the recommended range.

2. Air Filter Replacement

1. Locate the air filter housing, typically on the side of the engine.
2. Open the air filter housing cover.
3. Carefully remove the old air filter, noting its orientation.
4. Clean any debris from inside the air filter housing.
5. Install the new air filter, ensuring it is seated correctly.
6. Close and secure the air filter housing cover.

3. Spark Plug Replacement

1. Disconnect the spark plug wire from the existing spark plug.
2. Using a spark plug wrench, carefully remove the old spark plug.
3. Inspect the new spark plug. *Note: The spark plug in this kit is typically not pre-gapped.*Refer to your engine's specific manual for the correct spark plug gap specification.
4. Using a spark plug gap gauge, adjust the gap of the new spark plug to the specified setting.
5. Thread the new spark plug into the engine by hand to avoid cross-threading.
6. Tighten the spark plug with the wrench until snug, but do not overtighten.
7. Reconnect the spark plug wire firmly to the new spark plug.

4. Fuel System Maintenance (Recommendation)

While not included in this specific kit, using a fuel stabilizer or additive is highly recommended, especially during periods of storage, to prevent fuel deterioration and maintain engine performance.

Troubleshooting

If your engine experiences issues after performing maintenance, consider the following common checks:

- **Engine Not Starting:** Ensure the spark plug wire is securely connected. Verify the spark plug gap is correct. Check that the oil level is appropriate.
- **Rough Running Engine:** Confirm the air filter is properly seated and not obstructed. Re-check the spark plug gap and ensure it is clean.
- **Oil Leaks:** Ensure the oil drain plug is tightened and the oil fill cap is secure.

For persistent issues, consult your engine's specific service manual or contact a certified Briggs & Stratton service

technician.

Specifications

Attribute	Value
Brand	Briggs & Stratton
Model Name	Briggs & Stratton Genuine 650e, 650ex, 725ex & Quantum Serie
OEM Part Number	5140B
UPC	024847745467
Viscosity	30 SAE Grade
Item Weight	1 Pounds
Item Package Dimensions (L x W x H)	7.28 x 4.69 x 3.58 inches
Material	Plastic (for oil bottle/filter frame)
Country of Origin	United States

Warranty and Support

This product is covered by a standard manufacturer's warranty. For specific warranty details, please refer to the documentation provided with your original engine or contact Briggs & Stratton customer support directly.

For technical assistance, replacement parts, or further inquiries, please visit the official Briggs & Stratton website or contact their customer service department. Using genuine Briggs & Stratton parts ensures compatibility and maintains the integrity of your equipment's warranty.



Image: The official Briggs & Stratton logo.

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