

ACTIVLIFE 291337001, 291337008

ACTIVLIFE Ignition Coil & Spark Plug Installation Manual

For Black Max BM25AXB Models 291337001 & 291337008

1. INTRODUCTION

This manual provides detailed instructions for the proper installation and maintenance of your ACTIVLIFE Ignition Coil and Spark Plug. This replacement kit is designed for specific Black Max BM25AXB models, ensuring optimal engine performance and ignition efficiency. Please read this manual thoroughly before attempting any installation or maintenance procedures.

2. SAFETY INFORMATION

- Always disconnect the spark plug wire before performing any service or maintenance to prevent accidental starting.
- Wear appropriate personal protective equipment, including safety glasses and gloves, when working with engine components.
- Ensure the engine is cool before handling any parts to avoid burns.
- Keep children and pets away from the work area.
- If you are unsure about any step, consult a qualified service technician.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x ACTIVLIFE Ignition Coil
- 1 x ACTIVLIFE Spark Plug



Image 1: The ACTIVLIFE Ignition Coil and Spark Plug included in the package.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of the ignition coil and spark plug.

4.1. Preparation

1. Ensure the engine is turned off and cool.
2. Locate the existing ignition coil and spark plug on your Black Max BM25AXB engine.
3. Gather necessary tools, which typically include a spark plug wrench, screwdriver, and possibly a socket wrench set.

4.2. Removing the Old Spark Plug

1. Carefully pull the spark plug wire boot off the spark plug.
2. Use a spark plug wrench to loosen and remove the old spark plug. Turn counter-clockwise.
3. Inspect the old spark plug for signs of wear or damage.

4.3. Removing the Old Ignition Coil

1. Disconnect any wires attached to the ignition coil. Note their positions for reinstallation.
2. Unscrew the mounting bolts or screws that secure the ignition coil to the engine block.
3. Carefully remove the old ignition coil.

4.4. Installing the New Ignition Coil

1. Position the new ACTIVLIFE Ignition Coil in the same location as the old one.
2. Secure it with the mounting bolts or screws. Ensure it is firmly attached but do not overtighten.
3. Reconnect any wires to the new ignition coil in their original positions.

4.5. Installing the New Spark Plug

1. Before installing, ensure the gap of the new spark plug is correct for your engine (refer to your Black

Max BM25AXB owner's manual for specific gap requirements).

2. Thread the new ACTIVLIFE Spark Plug into the cylinder head by hand to prevent cross-threading.
3. Once finger-tight, use a spark plug wrench to tighten it. Do not overtighten; typically, a quarter to a half turn past finger-tight is sufficient.
4. Push the spark plug wire boot firmly onto the new spark plug until it clicks into place.

5. OPERATING INSTRUCTIONS

After installation, perform a test run:

1. Ensure all connections are secure and tools are removed from the engine area.
2. Start the engine according to your Black Max BM25AXB owner's manual.
3. Listen for any unusual noises and observe for smooth operation. The engine should start more easily and run more consistently with the new components.

6. MAINTENANCE

Regular maintenance of your ignition system components ensures longevity and optimal performance.

- **Spark Plug Inspection:** Periodically inspect the spark plug for carbon buildup, electrode wear, or damage. Replace if necessary.
- **Ignition Coil Inspection:** Check the ignition coil and its wiring for any signs of wear, cracks, or loose connections. Ensure the coil is free from dirt and debris.
- **Cleaning:** Keep the engine area clean, especially around the spark plug and ignition coil, to prevent debris from interfering with operation.

7. TROUBLESHOOTING

If you encounter issues after installation, consider the following:

Problem	Possible Cause	Solution
Engine won't start	Loose spark plug wire Incorrect spark plug gap Faulty ignition coil connection	Ensure spark plug wire is fully seated Check and adjust spark plug gap Verify all ignition coil wires are securely connected
Engine misfires or runs rough	Incorrect spark plug gap Damaged spark plug Loose ignition coil mounting	Check and adjust spark plug gap Inspect spark plug for damage, replace if needed Ensure ignition coil is securely mounted
No spark at spark plug	Faulty ignition coil Disconnected kill switch wire Damaged spark plug wire	Ensure coil wires are connected; test coil if possible Check kill switch wiring Inspect spark plug wire for cuts or damage

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional service technician.

8. SPECIFICATIONS

- **Product Type:** Ignition Coil & Spark Plug Replacement Kit
- **Brand:** ACTIVLIFE
- **Compatible Models:** Black Max BM25AXB
- **Part Numbers:** 291337001, 291337008

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please refer to the ACTIVLIFE product packaging or contact your retailer. Always ensure you have your product model and purchase details available when seeking support.



Image 2: ACTIVLIFE brand logo.