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> ZHENSIW Ignition Coil Instruction Manual for Weed Eater Trimmers

ZHENSIW ZHENSIW123

Ignition Coil Instruction Manual

For Weed Eater Gas Trimmers

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the ZHENSIW Ignition Coil, designed as a replacement part for various Weed Eater gas trimmer models. Please read this manual thoroughly before attempting any installation or maintenance to ensure proper function and safety.

Product Model: ZHENSIW123

Compatible Weed Eater Models: TT-20, TT-85, TT-125, XT20, XT20T, XT30D, XT40, XT50, XT50T, XT85, XT85T, XT90, XT-20, XT-50, XT-85, XT100, XT125, BC30B, BC3100, HP22, HP22T, HP28, HP28P, HP30, HP30SB, HP30SBP, HP30T, GTI15, GTI15T, GTI16, GTI16 SUPER, GTI16D.

SAFETY INFORMATION

Always observe safety precautions when working with power tools and electrical components. Failure to do so may result in injury or damage to equipment.

- Disconnect the spark plug wire before performing any service or maintenance.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the engine is cool before handling components.
- If unsure about any procedure, consult a qualified technician.

SETUP AND INSTALLATION

This section outlines the steps for replacing the ignition coil on compatible Weed Eater gas trimmers. The process generally involves removing the old coil and installing the new one.

Tools Required:

- Screwdriver (appropriate type for your trimmer's fasteners)
- Wrench or socket set (for spark plug and mounting bolts)

- Feeler gauge (for setting air gap)

Installation Steps:

1. **Prepare the Trimmer:** Ensure the trimmer engine is off and cool. Disconnect the spark plug wire from the spark plug to prevent accidental starting.
2. **Locate the Old Ignition Coil:** The ignition coil is typically located near the flywheel, often under a cover.
3. **Remove the Old Coil:**
 - Disconnect the spark plug wire from the coil.
 - Disconnect any other wires connected to the coil (e.g., kill switch wire).
 - Unscrew the mounting bolts holding the coil in place.
 - Carefully remove the old ignition coil.
4. **Install the New Ignition Coil:**



Figure 1: The ZHENSIW Ignition Coil, showing the main coil body, spark plug wire, and included spark plug. This image provides an overall view of the product components.



Figure 2: Another perspective of the ZHENSIW Ignition Coil, highlighting the coil's mounting bracket and the spark plug's position relative to the coil. This view helps in understanding the physical dimensions and attachment points.

- Position the new ZHENSIW ignition coil in the mounting location.
- Insert the mounting bolts but do not tighten them fully yet.
- **Set the Air Gap:** This is a critical step. Insert a feeler gauge (typically 0.010-0.014 inches or as specified by your trimmer's manual) between the coil's laminations and the flywheel magnets.
- While holding the feeler gauge in place, push the coil firmly against the flywheel magnets and then tighten the mounting bolts securely.
- Remove the feeler gauge.
- Reconnect the spark plug wire to the coil and any other wires that were disconnected.

5. **Test the Installation:** Reconnect the spark plug wire to the spark plug. Attempt to start the trimmer. If installed correctly, the trimmer should start and run smoothly.

OPERATING CONSIDERATIONS

Once the new ignition coil is installed, the trimmer's operation should return to normal. This section provides general operating tips relevant to the ignition system.

- Ensure the spark plug is clean and properly gapped for optimal ignition.
- Use the correct fuel mixture as specified by your trimmer's manufacturer.

- Avoid operating the trimmer in excessively wet conditions, which can affect electrical components.

MAINTENANCE

Regular maintenance of your trimmer's ignition system can prolong its lifespan and ensure reliable starting.

- **Spark Plug Inspection:** Periodically inspect the spark plug for wear, carbon buildup, or damage. Replace if necessary. The included spark plug (BM6A) is a common type for these applications.
- **Wire Inspection:** Check the spark plug wire and other electrical connections for fraying, cracks, or corrosion. Ensure all connections are secure.
- **Cleanliness:** Keep the area around the ignition coil and flywheel clean from debris, grass clippings, and dirt, which can interfere with proper operation and cooling.

TROUBLESHOOTING

If you encounter issues after installing the new ignition coil, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Engine does not start or has weak spark.	Incorrect air gap setting.	Re-adjust the air gap between the coil and flywheel using a feeler gauge.
Engine starts but runs rough or misfires.	Faulty spark plug or incorrect spark plug gap.	Inspect and replace the spark plug if necessary. Check and adjust the spark plug gap.
No spark at all.	Kill switch wire shorted or disconnected.	Check the kill switch wire connection to the coil. Ensure it is not grounding prematurely.
Coil appears loose after installation.	Mounting bolts not tightened sufficiently.	Ensure mounting bolts are securely tightened after setting the air gap.

SPECIFICATIONS

Key specifications for the ZHENSIW Ignition Coil (Model ZHENSIW123):

- **Part Number:** 530039134 (Replacement for)
- **Compatibility:** Designed for various Weed Eater gas trimmer models (refer to Introduction for full list).
- **Included Components:** Ignition Coil, Spark Plug (BM6A type)
- **Dimensions (Package):** 1.18 x 0.79 x 0.39 inches
- **Item Weight:** 1.76 ounces
- **Manufacturer:** ZHENSIW

WARRANTY AND SUPPORT

For information regarding product warranty or technical support, please refer to the seller's policies or contact the manufacturer directly. This product is designed as a direct replacement part and is expected to function upon correct installation.

Seller: qijiwangluokejiyouxiangongsi

Return Policy: 30 days (refund/replacement) as per seller's policy at time of purchase.

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This manual is for informational purposes only. Always follow safety guidelines.