

PARTSRUN ZF-IG-A00110

PARTSRUN ZF-IG-A00110 Electronic Ignition Coil User Manual

Model: ZF-IG-A00110

INTRODUCTION

This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your PARTSRUN ZF-IG-A00110 Electronic Ignition Coil. This ignition coil is designed as a replacement part for specific STIHL chainsaw and cut-off saw models. Please read this manual thoroughly before attempting any installation or service to ensure safe and effective use.

SAFETY INFORMATION

Always observe the following safety precautions when working with power equipment and replacement parts:

- **Disconnect Power:** Before beginning any installation or maintenance, ensure the spark plug wire is disconnected from the spark plug to prevent accidental engine start-up.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses and gloves, to prevent injury.
- **Consult Original Manual:** Refer to the original equipment manufacturer's manual for specific safety instructions and procedures related to your STIHL model.
- **Handle with Care:** Ignition coils contain sensitive electronic components. Handle the coil carefully to avoid damage.
- **Proper Tools:** Use only the correct tools for installation and removal to prevent damage to the coil or engine components.

COMPATIBLE MODELS

The PARTSRUN ZF-IG-A00110 Electronic Ignition Coil is compatible with the following STIHL models, replacing OEM part number 1111 400 1303:

- STIHL 050

- STIHL 051
- STIHL 056
- STIHL 075
- STIHL 076
- STIHL TS510
- STIHL TS760

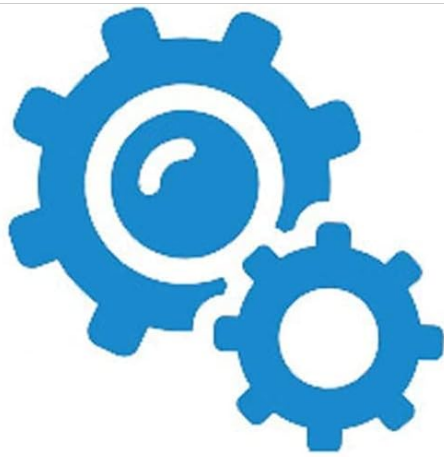
INSTALLATION INSTRUCTIONS

Before You Begin

- Ensure the engine is cool to the touch.
- Gather necessary tools: screwdriver, wrench, feeler gauge (for air gap adjustment).
- Locate the existing ignition coil on your equipment.

Step-by-Step Installation

1. **Disconnect Spark Plug Wire:** Carefully pull the spark plug boot off the spark plug.
2. **Remove Engine Cover:** Unscrew and remove any engine covers or shrouds that obstruct access to the ignition coil.
3. **Disconnect Wires:** Disconnect any low-tension wires (kill switch wire) attached to the old ignition coil. Note their original positions.
4. **Remove Old Coil:** Unscrew the mounting bolts holding the old ignition coil in place and carefully remove it.
5. **Install New Coil:** Position the new PARTSRUN ZF-IG-A00110 ignition coil in the same location. Do not fully tighten the mounting bolts yet.
6. **Set Air Gap:** Place a non-magnetic feeler gauge (typically 0.008-0.012 inches or 0.2-0.3 mm, consult your equipment's manual for exact specification) between the ignition coil's laminations and the flywheel magnets. Push the coil firmly against the feeler gauge and then tighten the mounting bolts securely. Remove the feeler gauge.
7. **Reconnect Wires:** Reconnect the low-tension wires to the new coil in their original positions.
8. **Reinstall Engine Cover:** Replace any engine covers or shrouds removed earlier.
9. **Reconnect Spark Plug Wire:** Firmly push the spark plug boot back onto the spark plug.



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Image showing the PARTSRUN electronic ignition coil, highlighting its design and connection points for installation.

OPERATION

The ignition coil is a critical component of your engine's ignition system. Its function is to transform the low voltage from the battery or magneto into the high voltage required to create a spark at the spark plug. This spark ignites the fuel-air mixture in the engine cylinder, initiating combustion. Once properly installed, the coil operates automatically as part of the engine's normal function.

MAINTENANCE

To ensure the longevity and optimal performance of your ignition coil and related components:

- **Keep Clean:** Periodically inspect the coil and surrounding area for dirt, debris, or oil buildup. Clean with a dry cloth.
- **Check Connections:** Ensure all electrical connections to the coil, including the spark plug wire and low-tension wires, are secure and free from corrosion.
- **Inspect Spark Plug:** A faulty spark plug can put undue stress on the ignition coil. Regularly inspect and replace the spark plug as recommended by your equipment's manufacturer.
- **Avoid Moisture:** Protect the ignition system from excessive moisture.

TROUBLESHOOTING

If your engine experiences ignition issues after installing the new coil, consider the following:

Symptom	Possible Cause	Solution
No Spark	Incorrect air gap, loose connections, faulty spark plug, kill switch engaged.	Check and adjust air gap. Verify all wires are securely connected. Test or replace spark plug. Ensure kill switch is in 'run' position.

Symptom	Possible Cause	Solution
Weak Spark	Incorrect air gap, corroded connections, partially faulty spark plug.	Re-check and adjust air gap. Clean all electrical connections. Replace spark plug.
Engine Misfires	Incorrect air gap, fuel delivery issues, carburetor problems.	Verify air gap. Check fuel lines and filter. Consult a service professional for carburetor issues.

SPECIFICATIONS

Feature	Specification
Brand	PARTSRUN
Model Number	ZF-IG-A00110
Replaces OEM Part #	1111 400 1303
Item Weight	0.2 Kilograms (approx. 7 ounces)
Connector Gender	Male
Installation Type	Bolt-On
UPC / GTIN	617201936528

WARRANTY AND SUPPORT

For warranty information or technical support regarding your PARTSRUN ZF-IG-A00110 Electronic Ignition Coil, please contact the PARTSRUN customer service department. Refer to your purchase documentation for specific warranty terms and contact details.