

Fdit Fdit02t3v4gbp1

Fdit Engine Stop Switch Instruction Manual

For GX110, GX120, GX160, GX200, GX240, GX270, GX340, GX390 Engines

1. PRODUCT OVERVIEW

This manual provides instructions for the Fdit Engine Stop Switch, a component designed to provide reliable ON/OFF control for various engine models. It is intended for use with compatible GX series engines.

1.1 Key Features

- **Simple Operation:** Features a clear ON/OFF toggle for straightforward engine control.
- **Durable Construction:** Manufactured from metal for enhanced longevity and resistance to wear.
- **Broad Compatibility:** Suitable for a range of GX series engines.

1.2 Compatibility

The Fdit Engine Stop Switch is compatible with the following engine models:

- GX110
- GX120
- GX160
- GX200
- GX240
- GX270
- GX340
- GX390

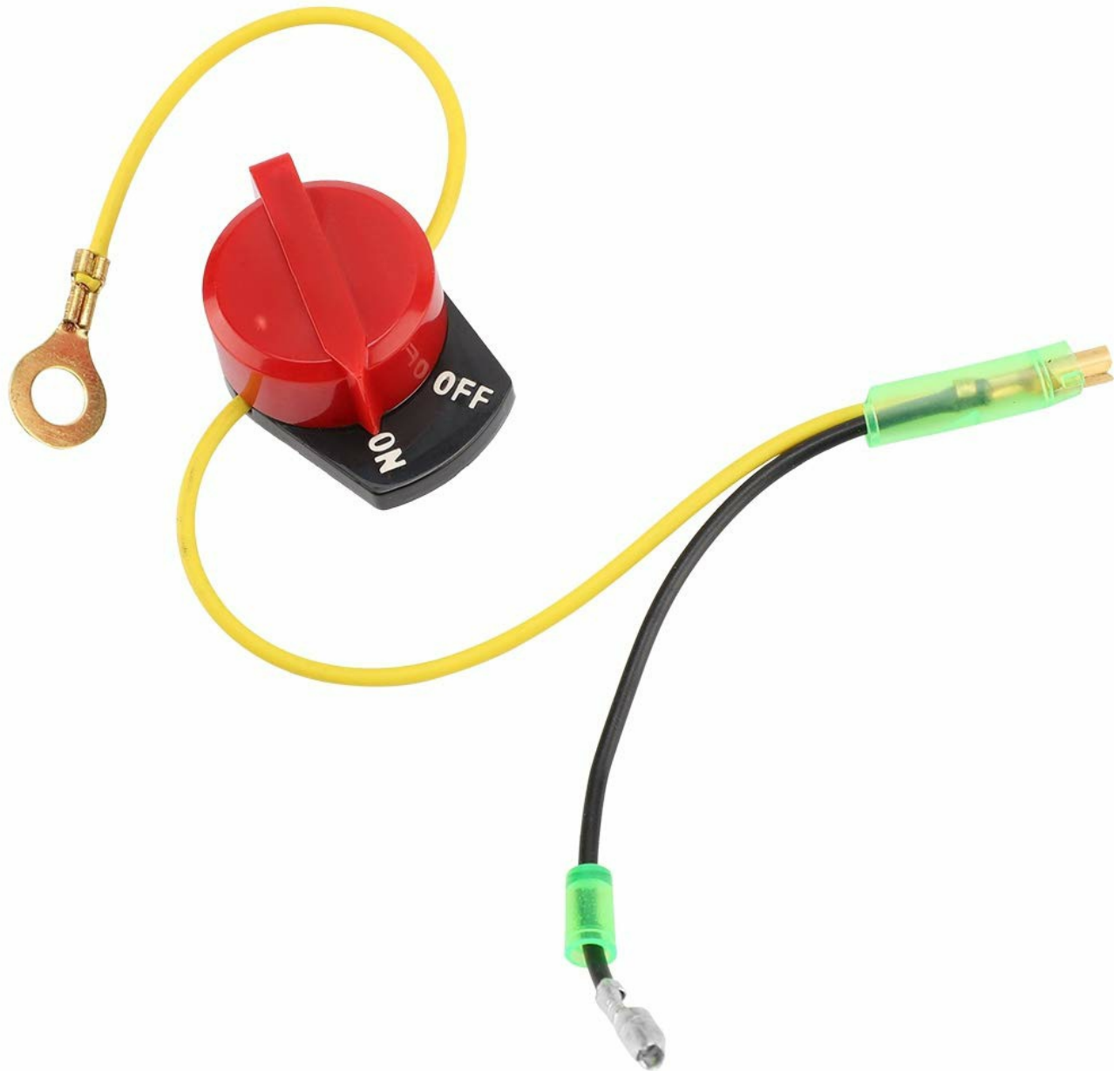


Figure 1: Fdit Engine Stop Switch with wiring and connectors.

2. SETUP AND INSTALLATION

Installation of the Fdit Engine Stop Switch is designed to be straightforward, typically requiring no modifications, cutting, or drilling into existing engine components. Always ensure the engine is turned off and cooled down before beginning any installation work.

2.1 Required Tools (Typical)

- Screwdriver (if mounting the switch)
- Wire strippers/crimpers (if modifying existing wiring or terminals)
- Multimeter (for verifying electrical connections, optional)

2.2 Installation Steps

1. **Identify Engine Kill Switch Wire:** Locate the existing kill switch wire on your engine. This wire typically grounds the ignition system to stop the engine. Consult your engine's specific service manual for precise

identification.

2. **Connect Ground Wire:** The Fdit Engine Stop Switch includes a yellow wire with a ring terminal. Connect this ring terminal securely to a suitable ground point on the engine chassis or frame. Ensure a clean, solid electrical connection.
3. **Connect Kill Switch Wire:** The other wire from the Fdit switch (typically black or yellow with a spade/bullet connector) should be connected in-line with the engine's kill switch wire. This connection interrupts the ignition circuit when the switch is in the 'OFF' position.



Figure 2: Detailed view of the Fdit Engine Stop Switch, highlighting the ON/OFF toggle and electrical connectors.



Figure 3: Close-up of the male spade connector with protective sleeve.



Figure 4: Close-up of the female bullet connector with protective sleeve.

4. **Secure the Switch:** Mount the switch in a convenient and accessible location, ensuring it does not interfere with moving engine parts or other controls.
5. **Test Functionality:** After installation, perform a functional test to ensure the switch correctly starts and stops the engine.



Figure 5: Example installation of the Fdit Engine Stop Switch on a small engine.



Figure 6: Close-up view of the Fdit Engine Stop Switch connected to an engine.

3. OPERATING INSTRUCTIONS

The Fdit Engine Stop Switch provides a simple and effective method for controlling engine operation.

3.1 Starting the Engine

To allow the engine to run, ensure the switch is in the '**ON**' position. The engine can then be started according to its manufacturer's instructions.

3.2 Stopping the Engine

To stop the engine, move the switch to the '**OFF**' position. This action will interrupt the ignition circuit, causing the engine to shut down.



Figure 7: The Fdit Engine Stop Switch in an outdoor application.

4. MAINTENANCE

The Fdit Engine Stop Switch requires minimal maintenance to ensure reliable performance.

- **Regular Inspection:** Periodically inspect the switch and its wiring for any signs of damage, fraying, or corrosion.
- **Clean Connections:** Ensure all electrical connections are clean and secure. Loose or corroded connections can lead to intermittent operation.

- **Switch Functionality:** Verify that the ON/OFF toggle mechanism moves smoothly and engages firmly in both positions.
- **Environmental Protection:** While durable, avoid exposing the switch to excessive moisture, dirt, or extreme temperatures where possible, to prolong its lifespan.

5. TROUBLESHOOTING

If you encounter issues with your Fdit Engine Stop Switch, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Engine does not stop when switch is in 'OFF' position.	Loose or incorrect wiring connection to the engine's kill switch circuit. Switch malfunction.	Verify all wiring connections are secure and correctly installed. Ensure the switch is fully engaged in the 'OFF' position. If issues persist, test the switch for continuity or consider replacement.
Engine does not start when switch is in 'ON' position.	Switch not fully in 'ON' position. Faulty switch preventing circuit completion.	Ensure the switch is firmly in the 'ON' position. Check wiring for any breaks or loose connections. Test the switch for proper circuit completion.
Intermittent engine stopping/starting.	Loose or corroded electrical connections.	Inspect all connections for tightness and cleanliness. Clean any corrosion from terminals.

6. SPECIFICATIONS

Specification	Detail
Product Dimensions (LxWxH)	10 x 10 x 10 mm
Material	Metal
Operating Mode	On-off
Contact Type	Working contact, at rest
Switch Type	Toggle
Terminal Type	Screw
Circuit Type	2-way
Mounting Type	Surface mount or panel mount
Manufacturer Reference	Fdit02t3v4gbp1

7. WARRANTY AND SUPPORT

Fdit is committed to providing high-quality products and customer satisfaction. While specific warranty details are not provided in this manual, Fdit offers support for its products.

In case of dissatisfaction, product damage, or any issues, please contact Fdit customer service. You may be eligible for an exchange or return. When contacting support, providing photos or videos of the issue can assist in a quicker

resolution.

For further assistance, please refer to the Fdit brand store or contact their customer service channels.

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Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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