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BlueStars 103-0206

BlueStars 103-0206 Ignition Switch User Manual

For Exmark Lazer Z and Toro Z500 Series Lawn Mowers

1. Introduction

The BlueStars 103-0206 Ignition Switch is a replacement component designed for various lawn mower models, including Exmark Lazer Z and Toro Z500 series. This switch features a durable zinc alloy shell and reliable copper (brass) connection terminals, ensuring consistent performance. It is a 3-position, 6-terminal switch, supplied with two keys for convenience and security. This manual provides essential information for installation, operation, maintenance, and troubleshooting.



Image Description: A man in a plaid shirt and green gloves gives a thumbs-up gesture, with a BlueStars 103-0206 Ignition Switch in the foreground. The image highlights the product's role in ensuring efficient mowing operation.



Image Description: A composite image showcasing the superior construction of the ignition switch. It features close-ups of the robust zinc alloy housing, premium copper terminals, and the standard 5/8-inch mounting system, emphasizing material quality.

2. Installation Instructions

Replacing your lawn mower ignition switch is a straightforward process. Follow these steps carefully to ensure proper installation and electrical safety.



Image Description: A visual guide illustrating the four steps for a 5-minute installation of the ignition switch. It shows a person working on a lawn mower engine, with numbered steps detailing the process.

1. **Step 1: Prepare for Installation.** Turn off the engine and remove the key. Disconnect the battery's negative terminal to prevent electrical hazards.
2. **Step 2: Remove the Old Switch.** Detach the control panel to expose the ignition switch. Carefully label and disconnect all wires from the old switch, then remove it.
3. **Step 3: Install the New Switch.** Place the new BlueStars 103-0206 ignition switch into the opening. Secure it and reconnect the wires to their corresponding terminals. Ensure connections are firm.
4. **Step 4: Test the Switch.** Reconnect the battery, insert the key, and verify all switch positions function correctly (e.g., accessory, off, run, start).

3. Operating Instructions

The BlueStars 103-0206 Ignition Switch features a 3-position control setting. The specific functions of each position may vary slightly depending on your lawn mower model, but generally include:

- **OFF:** The engine is off, and all electrical systems are de-energized. The key can typically be removed in this position.
- **RUN/ON:** The engine is ready to operate, and essential electrical systems (like ignition and fuel) are active.
- **START:** This is a momentary position that engages the starter motor to crank the engine. The key will spring back to the RUN/ON position once released.

Always refer to your lawn mower's specific owner's manual for detailed operating procedures related to the ignition system.

4. Maintenance

To ensure the longevity and reliable performance of your BlueStars 103-0206 Ignition Switch, consider the following maintenance tips:

- **Keep Connections Clean:** Periodically inspect the wiring connections to the switch. Ensure they are free from dirt, corrosion, and moisture. Clean any visible corrosion with a wire brush and electrical contact cleaner.
- **Check for Loose Wires:** Verify that all wires are securely attached to the switch terminals. Loose connections can lead to intermittent electrical issues or complete failure.
- **Protect from Elements:** While the switch is designed for outdoor equipment, protecting the control panel area from excessive moisture and debris can extend its lifespan.
- **Handle Keys Carefully:** Avoid excessive force when inserting or turning the key, as this can damage the internal mechanism of the switch.

5. Troubleshooting

If you experience issues with your lawn mower's starting system, the ignition switch may be a contributing factor. Here are common symptoms and potential troubleshooting steps:



Image Description: A visual representation of common lawn mower problems that can be resolved by replacing the ignition switch. Symptoms include engine failure to start, inconsistent electrical power, non-responsive accessories, and intermittent engine stalling.

- **Engine Fails to Start:**
  - Ensure the key is fully inserted and turned to the 'START' position.
  - Check battery charge.
  - Inspect all wiring connections to the ignition switch for looseness or corrosion.
  - Verify safety interlock switches (e.g., seat switch, PTO switch) are engaged correctly.
- **Inconsistent Electrical Power:**
  - This could indicate a faulty internal contact within the switch.
  - Check for frayed or damaged wires leading to and from the switch.
- **Non-Responsive Accessories:**
  - If accessories (like lights) do not work when the switch is in the 'RUN/ON' position, the switch may not be supplying power correctly.

- Inspect the accessory circuit and the switch's terminals for proper connection.

- **Intermittent Engine Stalling:**
  - A failing ignition switch can cause the engine to lose power unexpectedly.
  - Ensure the switch is firmly seated and not vibrating loose.

If these steps do not resolve the issue, consult a qualified technician or refer to your mower's service manual.

6. Specifications

Detailed specifications for the BlueStars 103-0206 Ignition Switch:



Image Description: A detailed diagram illustrating the dimensions of the BlueStars 103-0206 Ignition Switch. Key measurements such as 0.61 in (mounting stem diameter), 1.85 in (overall height), 0.71 in (body height), and 1.61 in (body width) are clearly labeled.

Feature	Specification

Feature	Specification
Model Number	103-0206
Number of Positions	3 (OFF-RUN-START)
Number of Terminals	6
Mounting Stem Size	5/8-inch
Material Type	Zinc Alloy (Shell), Copper/Brass (Terminals)
Connector Type	Plug In
Included Components	1 x Ignition Switch, 2 x Keys

7. Compatibility

The BlueStars 103-0206 Ignition Switch is designed to be a direct replacement for several original equipment manufacturer (OEM) part numbers and fits specific lawn mower models. Always verify compatibility with your specific part number before purchase.



Image Description: An image highlighting the wide compatibility of the BlueStars ignition switch. It lists various replacement part numbers and compatible lawn mower models from Exmark and Toro.

Replaces Part Numbers:

- **Exmark:** 103-0206, 104-2541, 109-4736, 88-9830
- **Toro:** 103-0206, 104-2541, 109-4736, 88-9830
- **Stens:** 430-334
- **Worldlawn:** 5208003

Compatible with Models:

- **Exmark:** Lazer Z and Lazer Z XP with 60" and 72" deck
- **Toro:** Z500 series Z Master w/ 60" & 72" deck



Image Description: A table detailing specific compatible models for the 103-0206 ignition switch, categorized under Exmark (Lazer Z E-Series, Lazer Z X-Series) and Toro (Z Master Z500 Series), with corresponding model numbers.

Brand	Series/Model	Specific Models
Exmark	Lazer Z E-Series	LZE742GKC604A3
	Lazer Z X-Series	LZX920EKC606T0, LZX920EKC726T0, LZX801GKA606A1, LZX801GKA726A1
Toro	Z Master Z500 Series	74267, 74274

8. Warranty and Support

BlueStars stands behind the quality of its products. The 103-0206 Ignition Switch comes with a lifetime protection policy, ensuring coverage for any defects or issues that may arise during its use. Customer satisfaction is a priority.



Image Description: An image outlining the key reasons to choose BlueStars products, including lifetime protection, affordable solutions, efficient logistics, high-quality materials, and excellent customer service.

For any questions, concerns, or warranty claims, please contact BlueStars customer support through the retailer where the product was purchased. Please have your purchase details and model number ready for efficient assistance.

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