

dorma exit device parts manual

Dorma exit device parts manual is an essential resource for anyone involved in the installation, maintenance, or troubleshooting of Dorma exit devices. These devices play a crucial role in ensuring safety and security in commercial and public buildings by allowing for quick egress in the event of an emergency while also providing access control when necessary. Understanding the parts and components of these devices is vital for ensuring they function correctly. This article will serve as a comprehensive guide to the parts found in Dorma exit devices, their functions, and maintenance tips to ensure longevity and reliability.

Overview of Dorma Exit Devices

Dorma exit devices are designed to facilitate safe and efficient exits through doors in various settings, including schools, hospitals, and office buildings. They comply with safety regulations and are engineered to withstand heavy use.

Types of Dorma Exit Devices

1. **Panic Exit Devices:** Commonly used in high-traffic areas, these devices allow users to exit quickly without needing a key or other form of access.
2. **Fire Exit Devices:** Specifically designed to meet fire safety regulations, these devices are often used in buildings where fire safety is critical.
3. **Electric Exit Devices:** These devices integrate with electronic access control systems, allowing for remote unlocking and monitoring.
4. **Heavy-Duty Exit Devices:** Built for durability, these are used in high-security environments where extra strength is required.

Key Components of Dorma Exit Devices

Understanding the components of Dorma exit devices is crucial for proper operation and maintenance. Below is an overview of the essential parts.

1. Exit Device Case

The exit device case houses all internal components and is typically made of robust materials to withstand wear and tear.

2. Push Bar or Touch Bar

The push bar is the most visible part of the exit device, allowing users to easily push the bar to open the door.

3. Latch Mechanism

The latch mechanism is responsible for securing the door when closed. It is essential for the safety and security of the building.

4. Strike Plate

The strike plate is installed on the door frame and works in conjunction with the latch mechanism to ensure a secure closure.

5. Cylinder Lock (if applicable)

For devices that require a key for locking or unlocking, the cylinder lock is a critical component, allowing authorized personnel to control access.

6. Monitoring Switches

In electric exit devices, monitoring switches provide feedback to access control systems, indicating the status of the door (open or closed).

7. Power Supply (for electric devices)

Electric exit devices require a power supply to function, typically connected to the building's electrical system.

8. Accessories

Various accessories may be included, such as:

- Remote Controls: For unlocking the device from a distance.
- Keypads: For code access.
- Exit Signs: To guide users to the exit.

Parts Identification Guide

A parts identification guide is essential for maintenance and repairs. Here's a breakdown of common parts along with their codes and functions.

Part Name	Part Code	Function
Exit Device Case	ED-CASE-001	Houses all internal components
Push Bar	ED-BAR-002	Allows for easy door access
Latch Mechanism	ED-LATCH-003	Secures the door when closed
Strike Plate	ED-STRIKE-004	Ensures proper alignment and security
Cylinder Lock	ED-LOCK-005	Provides key access to the device
Monitoring Switches	ED-MON-006	Sends status signals to access control system
Power Supply	ED-PS-007	Powers electric exit devices
Accessories	ED-ACC-008	Enhances functionality of the exit device

Maintenance Tips for Dorma Exit Devices

Regular maintenance is critical to ensure the longevity and reliability of Dorma exit devices. Here are some tips:

1. Routine Inspections

- Visual Checks: Regularly inspect the device for any visible signs of wear or damage.
- Functionality Test: Test the push bar and latch mechanism to ensure they are functioning correctly.

2. Lubrication

- Apply Lubricants: Use a silicone-based lubricant on moving parts to prevent sticking and wear.
- Avoid Over-Lubrication: Excess lubricant can attract dirt and debris, which can hinder performance.

3. Cleaning

- Dirt and Debris Removal: Keep the device clean from dust, dirt, and debris that can obstruct movement.
- Use Appropriate Cleaners: Avoid harsh chemicals that may damage the finish or components.

4. Check Electrical Components (for Electric Devices)

- Inspect Wiring: Regularly check the wiring for any signs of damage or fraying.
- Test Power Supply: Ensure the power supply is functioning and secure connections.

5. Documentation and Record Keeping

- Maintain Records: Keep detailed records of maintenance, inspections, and repairs to track the device's history.
- Follow Manufacturer Guidelines: Adhere to the manufacturer's recommendations for maintenance and servicing.

Common Issues and Troubleshooting

Despite regular maintenance, issues can arise with Dorma exit devices. Below are some common problems and troubleshooting steps.

1. Device Not Opening

- Check Power Supply: Ensure that the power supply is functioning (for electric devices).
- Inspect the Push Bar: Verify that the push bar is not obstructed and operates smoothly.

2. Door Not Securing Properly

- Examine the Latch Mechanism: Check for any blockages in the latch or if it is misaligned.
- Check Strike Plate Alignment: Ensure that the strike plate is properly aligned with the latch.

3. Unusual Noises During Operation

- Inspect for Loose Parts: Check for any loose screws or components that may cause noise.
- Lubricate Moving Parts: Apply lubricant where necessary to reduce friction.

4. Key Not Turning in Cylinder Lock

- Check for Debris: Ensure that the lock cylinder is free of dirt or debris.
- Lubricate the Lock: Use a graphite-based lubricant for locks to allow smooth operation.

Conclusion

In summary, the Dorma exit device parts manual is an invaluable tool for anyone responsible for the installation, maintenance, or troubleshooting of these critical safety devices. Understanding the various components, their functions, and proper maintenance techniques can help ensure that these devices operate efficiently and effectively, providing safety and security for building occupants. Regular inspections and upkeep will minimize issues and prolong the life of these essential exit devices. Always consult the manufacturer's guidelines for specific maintenance practices and replacement parts to ensure compliance and optimal performance.

Frequently Asked Questions

What is a dorma exit device parts manual?

A dorma exit device parts manual is a comprehensive guide that provides detailed information about the components of dorma exit devices, including installation instructions, maintenance tips, and troubleshooting advice.

Where can I find a dorma exit device parts manual?

You can find a dorma exit device parts manual on the official dorma website, through authorized distributors, or by contacting customer support for a copy.

What types of parts are typically included in a dorma exit device parts manual?

A dorma exit device parts manual typically includes parts such as the exit device body, strike plates, mounting brackets, panic bars, and associated hardware.

How can I identify the correct parts for my dorma exit device?

To identify the correct parts for your dorma exit device, refer to the model number found on the device itself and consult the corresponding parts manual for that model.

Are dorma exit device parts interchangeable between different models?

No, dorma exit device parts are generally not interchangeable between different models, so it's essential to use parts that are specifically designed for your device model.

What should I do if I lose my dorma exit device parts

manual?

If you lose your dorma exit device parts manual, you can download a digital copy from the dorma website or request a replacement from customer service.

How often should I refer to the dorma exit device parts manual?

You should refer to the dorma exit device parts manual whenever you perform maintenance, repairs, or replacements on the device to ensure proper handling and installation.

Can I get technical support for dorma exit device parts?

Yes, technical support for dorma exit device parts can be obtained through the dorma customer service hotline or by reaching out to your local authorized distributor for assistance.

What are the benefits of having a dorma exit device parts manual?

Having a dorma exit device parts manual ensures that you have access to accurate information for installation, maintenance, and troubleshooting, which can enhance the longevity and functionality of the exit device.

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