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FAAC Kit10564944

FAAC 746 230V Sliding Gate Automation Kit - Instruction Manual

Model: Kit10564944

INTRODUCTION

This instruction manual provides essential information for the installation, operation, and maintenance of the FAAC 746 230V Sliding Gate Automation Kit, model Kit10564944. This system is designed for automating heavy-duty sliding gates with a maximum weight of 600 kg. Please read this manual carefully before proceeding with any installation or operation to ensure safe and correct use of the product.

SAFETY INSTRUCTIONS

- Installation must be performed by qualified personnel in compliance with local safety regulations.
- Ensure the power supply is disconnected before performing any installation, maintenance, or repair work.
- Do not allow children to play with or near the gate automation system.
- Keep remote controls out of reach of children.
- Regularly check the system for any signs of wear or damage. Do not operate if damaged.
- The gate must be able to move freely and without obstruction before automation.
- Install safety devices such as photocells to prevent accidental closure.

PACKAGE CONTENTS

The FAAC 746 230V Sliding Gate Automation Kit (Kit10564944) typically includes the following components:

- FAAC 746 ER Z16 Motor with integrated electronics (FAAC 109776)
- Base Plate (FAAC 737816)
- Flashing Light 230V (FAAC 410013)
- Pair of Self-Adjusting Safebeam Photocell Sensors (FAAC 785165)
- Key Switch and Control 433 XK10 B Transmitter
- Receiver on board RP FAAC 433 SLH (FAAC 787824)

- Transmitter XT2 433 SLH (FAAC 787003)
- "Automatic" Warning Sign (FAAC)
- Mounting hardware and accessories



Image: Overview of the FAAC 746 230V Sliding Gate Automation Kit, showing the motor, flashing light, photocells, key switch, remote controls, and mounting accessories.

SETUP AND INSTALLATION

Installation of the FAAC 746 system requires electrical and mechanical expertise. It is highly recommended that a qualified technician performs the installation.

1. **Site Preparation:** Ensure the gate track is clean and clear. Verify the gate moves smoothly manually.
2. **Mounting the Motor:**
 - Securely attach the base plate (FAAC 737816) to a stable concrete foundation next to the gate.
 - Mount the FAAC 746 ER Z16 motor onto the base plate, ensuring it is level and aligned with the gate's rack.
3. **Installing the Rack:** Attach the gate rack to the sliding gate, ensuring proper engagement with the motor's pinion

gear. Leave a small clearance (approx. 1-2mm) between the rack and the pinion.

4. **Electrical Connections:**

- Connect the 230V main power supply to the motor's control unit, following the wiring diagram provided in the detailed installation manual (not included here).
- Wire the flashing light (FAAC 410013) and photocell sensors (FAAC 785165) to the control unit. Ensure photocells are installed at appropriate heights and aligned correctly across the gate opening.
- Connect the key switch (XK10 B) and install the receiver (FAAC 787824) for remote control functionality.

5. **Limit Switches Adjustment:** Adjust the motor's limit switches to define the gate's fully open and fully closed positions.

6. **Initial Testing:** After all connections are made and verified, power on the system and perform initial tests to ensure all components function correctly and safety features are active.

OPERATING INSTRUCTIONS

The FAAC 746 system offers several methods for operating your sliding gate:

- **Remote Control:** Press the designated button on the XT2 433 SLH transmitter (FAAC 787003) to open or close the gate. A single press typically initiates movement, and another press can stop or reverse the gate depending on the programming.
- **Key Switch:** Insert the key into the XK10 B key switch and turn it to activate the gate. This is useful for manual override or for visitors.
- **Manual Release:** In case of power failure or system malfunction, the gate can be manually operated. Locate the manual release mechanism on the motor (refer to the motor's specific manual for details), unlock it, and slide the gate by hand. Remember to re-engage the mechanism after manual operation.

The flashing light (FAAC 410013) will activate during gate movement to warn pedestrians and vehicles.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your FAAC 746 system. Perform these checks periodically:

- **Monthly:**
 - Inspect the gate's movement: Ensure it slides smoothly without excessive friction or noise.
 - Check photocells: Verify they are clean and unobstructed. Test their functionality by breaking the beam while the gate is closing. The gate should stop or reverse.
 - Examine the rack and pinion: Look for wear, damage, or debris. Clean if necessary.
- **Every Six Months:**
 - Check all electrical connections for tightness and corrosion.
 - Lubricate moving parts of the gate (rollers, bearings) as recommended by the gate manufacturer.
 - Inspect the motor housing for any signs of water ingress or damage.
- **Annual Professional Service:** It is recommended to have a qualified technician perform a comprehensive inspection and service annually.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Gate does not move.	No power supply; manual release engaged; faulty remote control; photocells obstructed.	Check power breaker; disengage manual release; replace remote battery; clear photocell path.
Gate stops unexpectedly.	Obstruction detected by safety sensors; motor overheating; limit switch issue.	Remove obstruction; allow motor to cool; check limit switch settings.
Remote control not working.	Dead battery; out of range; remote not programmed.	Replace battery; move closer to receiver; reprogram remote (refer to control unit manual).
Flashing light not working.	Bulb failure; wiring issue.	Check bulb and replace if necessary; inspect wiring connections.

For complex issues or if troubleshooting steps do not resolve the problem, contact a qualified FAAC service technician.

SPECIFICATIONS

Feature	Detail
Manufacturer	FAAC
Model Number	Kit10564944
Product Dimensions	40 x 30 x 30 cm (packaging); Motor: 27.5 x 22.0 x 33.6 cm (L x P x H)
Weight	12 kg (Product); 26.46 Pounds (approx. 12 kg)
Max Gate Weight	600 kg
Voltage	230 V
Color	Black
Batteries Required	No (for main unit, remote controls may require small batteries)

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official FAAC documentation included with your product or visit the official FAAC website. Keep your purchase receipt as proof of purchase for warranty claims.

Contact Information: For specific support, please refer to the contact details provided by your local FAAC distributor or the seller. The provided OCR text mentions "Pronto Kit 051 6174747 da lunedì a venerdì dale 8.30 alle 19" which translates to "Ready Kit 051 6174747 from Monday to Friday from 8:30 to 19:00". This appears to be a support number and hours, likely for Italy. Users should verify local support options.

