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KING GATES ASOB 4000

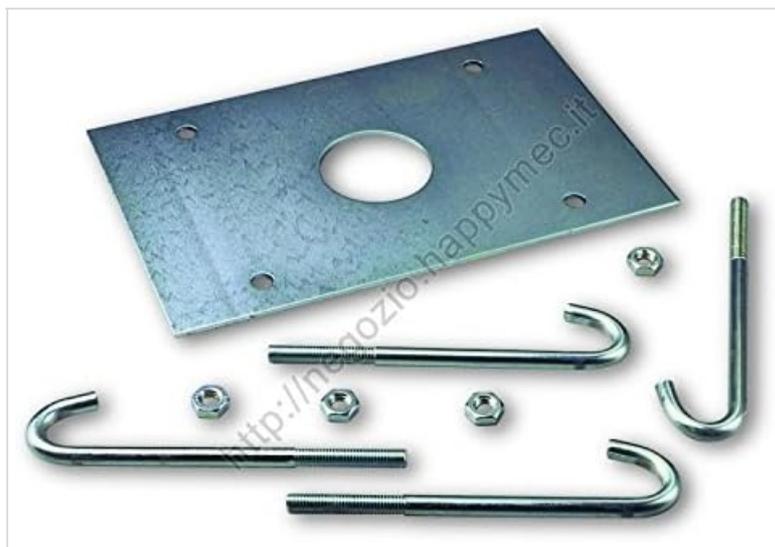
ASOB 4000 Ground Anchor Base for KING GATES Open 6000 Motors User Manual

Model: ASOB 4000 | Brand: KING GATES

PRODUCT OVERVIEW

The KING GATES ASOB 4000 is a robust ground anchor base specifically designed for securing the KING GATES Open 6000 motor. This essential component ensures stable and reliable installation of your gate automation system, providing a secure foundation for the motor's operation. It is constructed from durable materials to withstand various environmental conditions and provide long-lasting performance.

COMPONENTS INCLUDED



This image displays all the components included with the KING GATES ASOB 4000 ground anchor base. It features a rectangular galvanized metal plate with a central circular cutout and several smaller bolt holes. Surrounding the plate are four J-shaped anchor bolts, each with a threaded end, and several hexagonal nuts designed to secure the bolts to the plate.

SETUP AND INSTALLATION

Proper installation of the ASOB 4000 ground anchor base is crucial for the stability and longevity of your KING GATES Open 6000 motor. Follow these steps carefully to ensure a secure setup.

1. **Prepare the Foundation:** Excavate a suitable trench or area for the motor and its foundation. Ensure the ground is level and compacted.
2. **Position the Base Plate:** Place the metal base plate (the largest rectangular component) in the desired location for the motor. Ensure it is perfectly level and aligned with the gate's movement path.
3. **Insert Anchor Bolts:** Insert the J-shaped anchor bolts through the designated holes in the base plate. The curved end of the 'J' should face downwards, embedding into the concrete.
4. **Secure with Nuts:** Thread the hexagonal nuts onto the exposed threaded ends of the J-bolts above the base plate. Tighten them finger-tight for now.
5. **Pour Concrete:** Pour concrete around the J-bolts and base plate, ensuring the plate remains level and at the correct height relative to the finished ground level. The J-bolts should be fully encased in concrete for maximum stability.
6. **Cure Time:** Allow the concrete to cure completely according to the concrete manufacturer's instructions (typically 24-72 hours) before mounting the motor.
7. **Final Tightening:** Once the concrete is fully cured, securely tighten the nuts on the J-bolts to firmly anchor the base plate.

OPERATING PRINCIPLES

The ASOB 4000 ground anchor base functions as the foundational support for your KING GATES Open 6000 motor. Once correctly installed and the motor is mounted, the base provides a stable, immovable platform, ensuring the motor operates efficiently and reliably without shifting or vibrating. Its design allows for precise alignment of the motor with the gate mechanism, which is critical for smooth and safe gate operation.

MAINTENANCE

The ASOB 4000 ground anchor base is designed for minimal maintenance due to its robust construction and galvanized finish. However, periodic checks can help ensure its continued integrity:

- **Visual Inspection:** Annually inspect the base plate and anchor bolts for any signs of corrosion, damage, or loosening.
- **Cleanliness:** Keep the area around the base clear of debris, dirt, and vegetation that could accumulate and potentially trap moisture.
- **Tightness of Nuts:** Periodically check that the nuts securing the motor to the base plate (after motor installation) remain tight. Retighten if necessary.

TROUBLESHOOTING

As a static anchor component, the ASOB 4000 base itself rarely experiences "trouble" in the traditional sense. Most issues would stem from improper installation. If you observe problems related to the motor's stability, consider the following:

- **Motor Wobbling/Shifting:** This indicates the motor is not securely fastened to the base or the base itself is not firmly anchored. Check the tightness of all nuts and bolts. If the concrete foundation is compromised, professional repair may be required.
- **Corrosion:** While galvanized, extreme conditions or damage can lead to corrosion. If significant corrosion is observed, especially on the anchor bolts, consult a professional for assessment and potential replacement to maintain structural integrity.
- **Misalignment:** If the motor appears misaligned after installation, it could be due to improper leveling of the base plate during concrete pouring. This may require professional intervention to correct.

SPECIFICATIONS

Feature	Detail
Manufacturer	KING GATES
Number of Items	1
Batteries Included?	No
Batteries Required?	No
ASIN	B01MZG2DQC
First Available Date	February 1, 2017

WARRANTY AND SUPPORT

This product is covered by the standard manufacturer's warranty provided by KING GATES. For specific warranty terms and conditions, please refer to the documentation provided with your KING GATES Open 6000 motor or contact KING GATES customer service directly.

For technical support, installation queries, or assistance with any issues not covered in this manual, please contact your authorized KING GATES dealer or visit the official KING GATES website for contact information.