KIT SW850
SWING GATE OPENERS

USER MANUAL

KIT SW850
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Contents

Introduction

KIT SW850
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Specification

M6 Control box

SW850 Gate openers

- Back-up batteries for power failure operation.
- Incorporated radio receiver can be matched with 50 transmitters.
- Safe design to prevent PCB burned for wrong wiring connection.
- Over-current function meets European safety requirements.
- Modern appearance and easy installation.
- （Off，30sec）2 modes of gate auto-close setting.

- 24V DC electro-mechanical gear motors for residential use.
- Planetary gear provides durability and silence in motor operation.
- IP54 protection level for the gear motor
- Slowdown during opening and closing phase.
- One leaf or two leaves installation is optional

Model	SW850 Series
Driving method:	Screw driven piston type
Operating Voltage:	DC24V for normal speed
	DC12V for cushioning speed
Max.Output power:	80W per driver
Max.piston stroke:	33cm
Max.piston speed:	25 cm/sec
Operating cycle:	10second per 90(approx)
Max. single-leaf weight	300kg per wing
Max. single-leaf length	2.5M
DSPS device	Electronic timing tracker
Gearbox	Planetary gear
Safety clutch	Electronic current sensing
Limit Switch	without
Backup battery	12V /(5.2 or 7.0AH)
Safety barrier	Infrared sensor(optional)
Main supply	AC110V/220V,60Hz/50Hz
Electronic controller:	Microcomputer based
Remote controller:	UHF Digital PWM type
Temperature:	-20 to +80C
Protection Class:	IP54

Safety•Auto Reverse function

When gate encounter an obstacle at opening or closing
ARS Function(Automation Reversing System)

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Packing List

Ⓐ SW850 Motor(DC24V) 2pcs

Ⓑ Wall Bracket................................4pcs

Ⓒ "T" Bracket.................................2pcs

Ⓓ "L" Bracket.................................2pcs

Ⓔ Hold Pin....................................2pcs

Ⓕ "R" Click....................................2pcs

Ⓖ M8 Screw...................................6pcs

Ⓗ M8 Nut......................................6pcs

Ⓘ Stopper......................................1pcs

─ Selectable

3

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Planning Installation Guide

G Flashing Light (2)

M2 Motor (2)
E

F
Lock (2)

M1 Motor (2)
D

B Photocells TX(2)

C Photocells RX(2)

A Power Input(3)
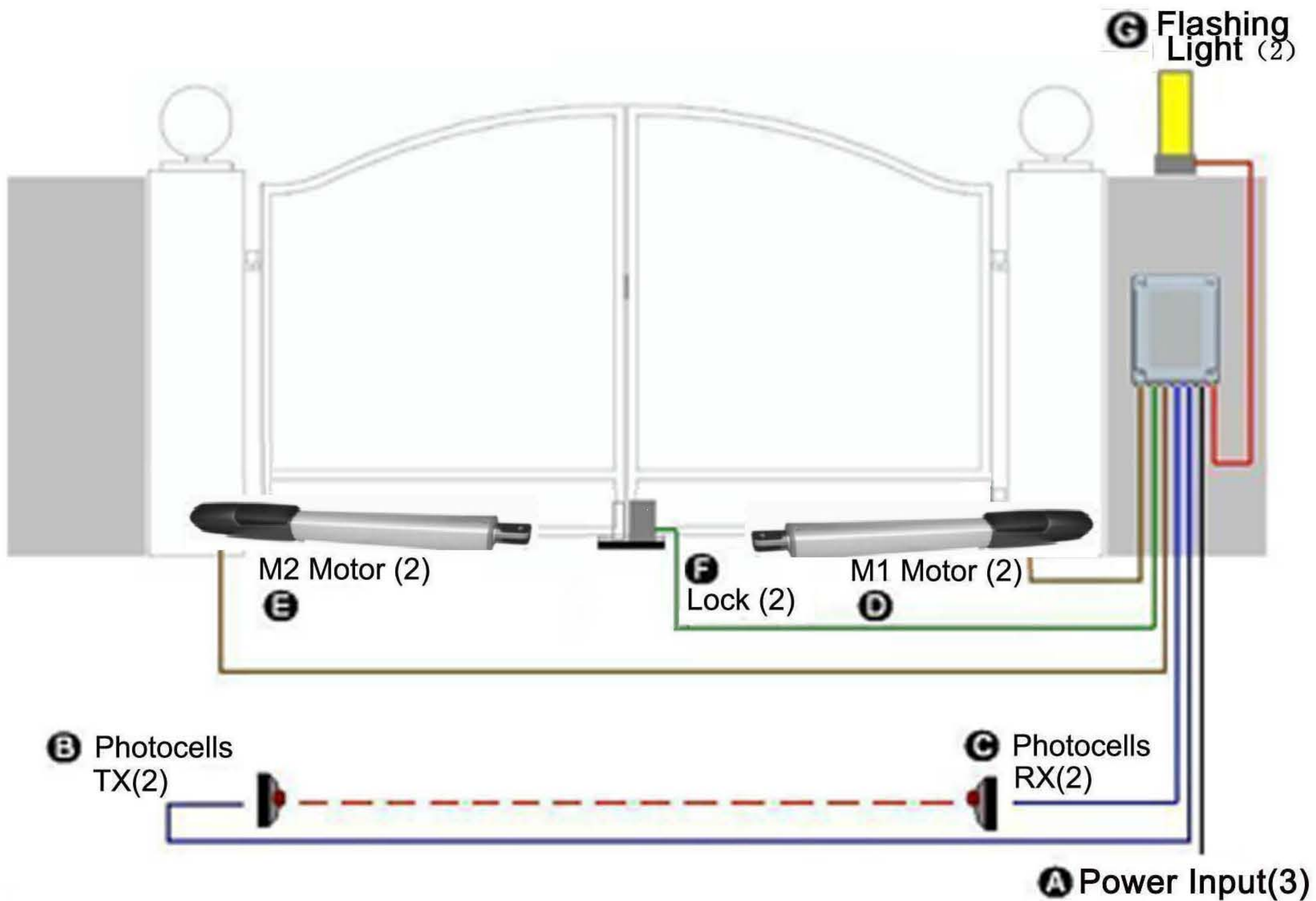
NO.	Item	Voltage	Wire	Remark
A	Power	AC230V	3	16AWG
B	Photocells TX	DC12V or AC24V	2	22AWG
C	Photocells RX	DC12V or AC24V	2	22AWG
D	M1 Motor	DC24V	2	18AWG
E	M2 Motor	DC24V	2	18AWG
F	Lock	DC12V or AC24V	2	18AWG
G	Flashing Light	DC24V	2	22AWG

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☐ Swing direction(open out)

☐ Swing direction(open in)

open

swing angle

close

close

swing angle

open

Step 4

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Quick Installation Quide

Right ☑ **A>B**
Wrong ☒ **A<B**

Swing open out

Right ☑ **A>B**
Wrong ☒ **A<B**
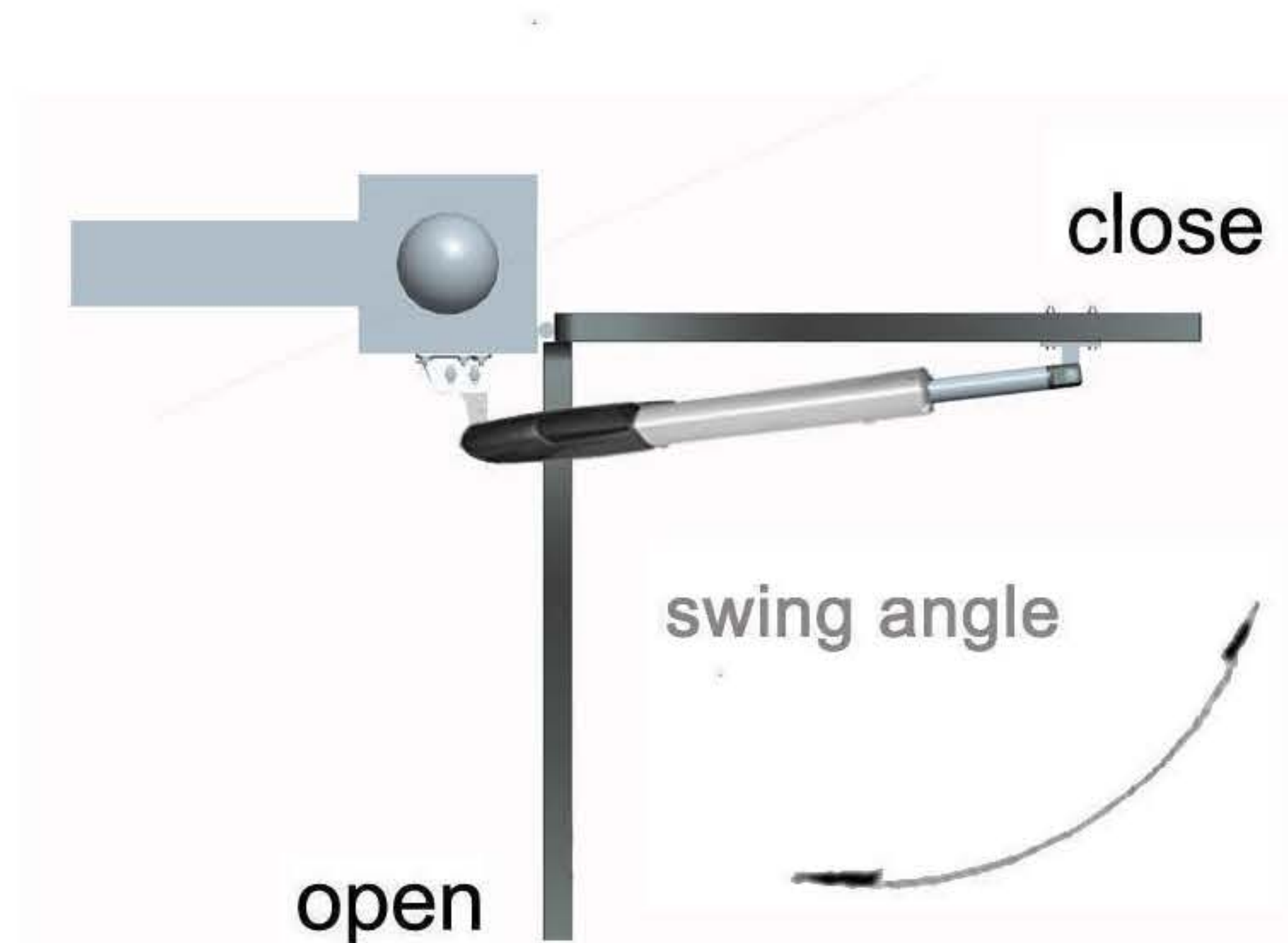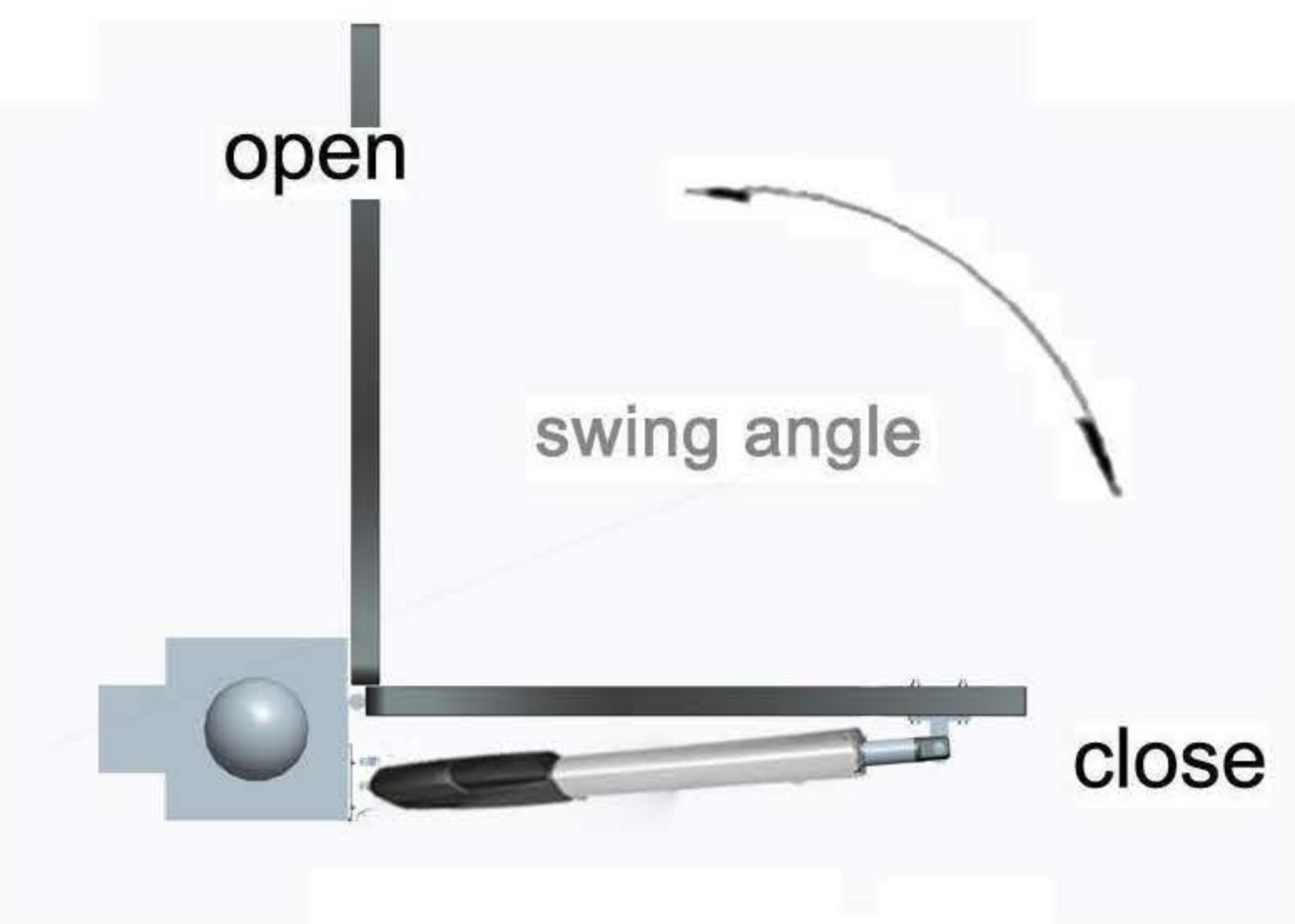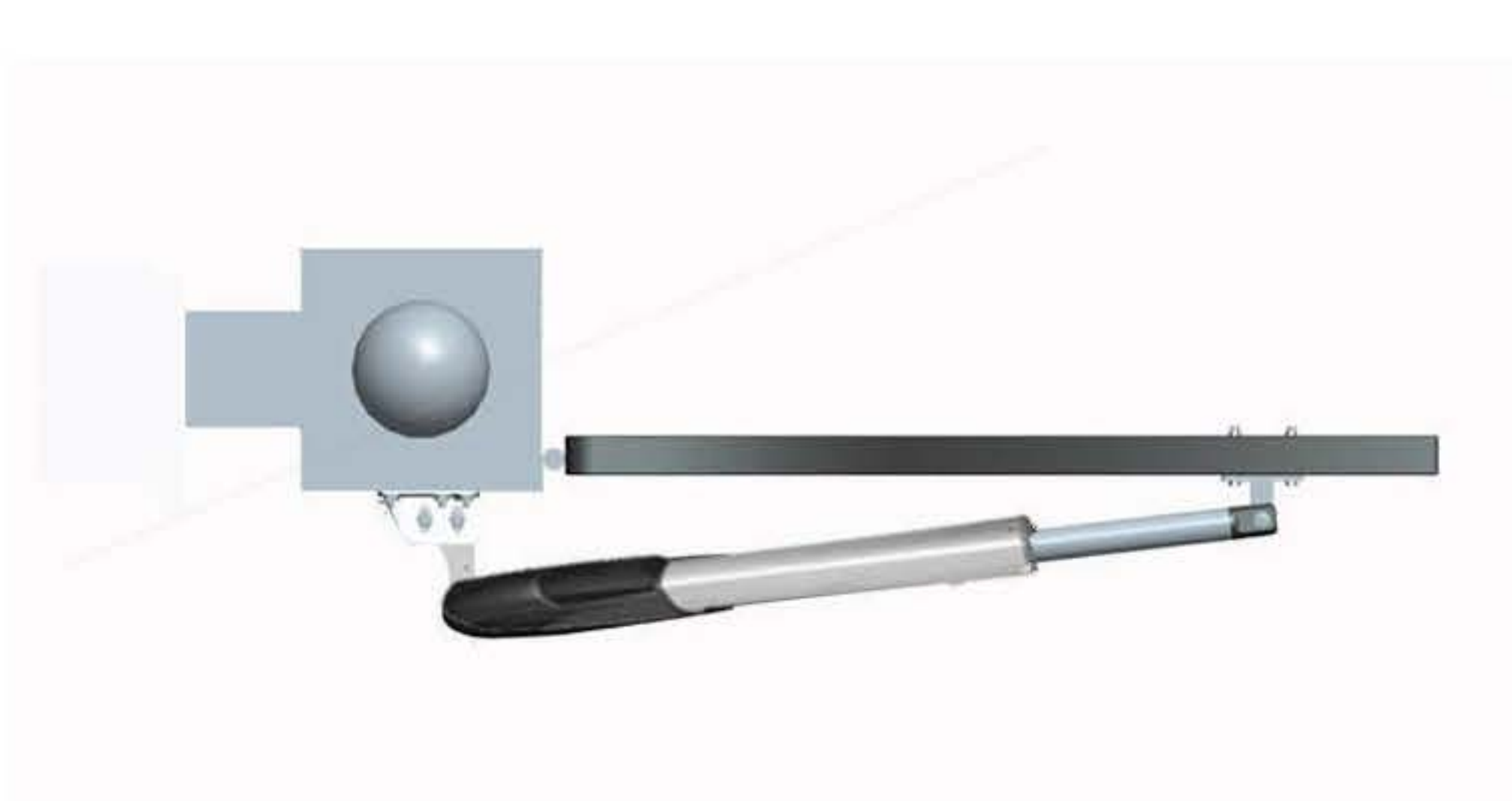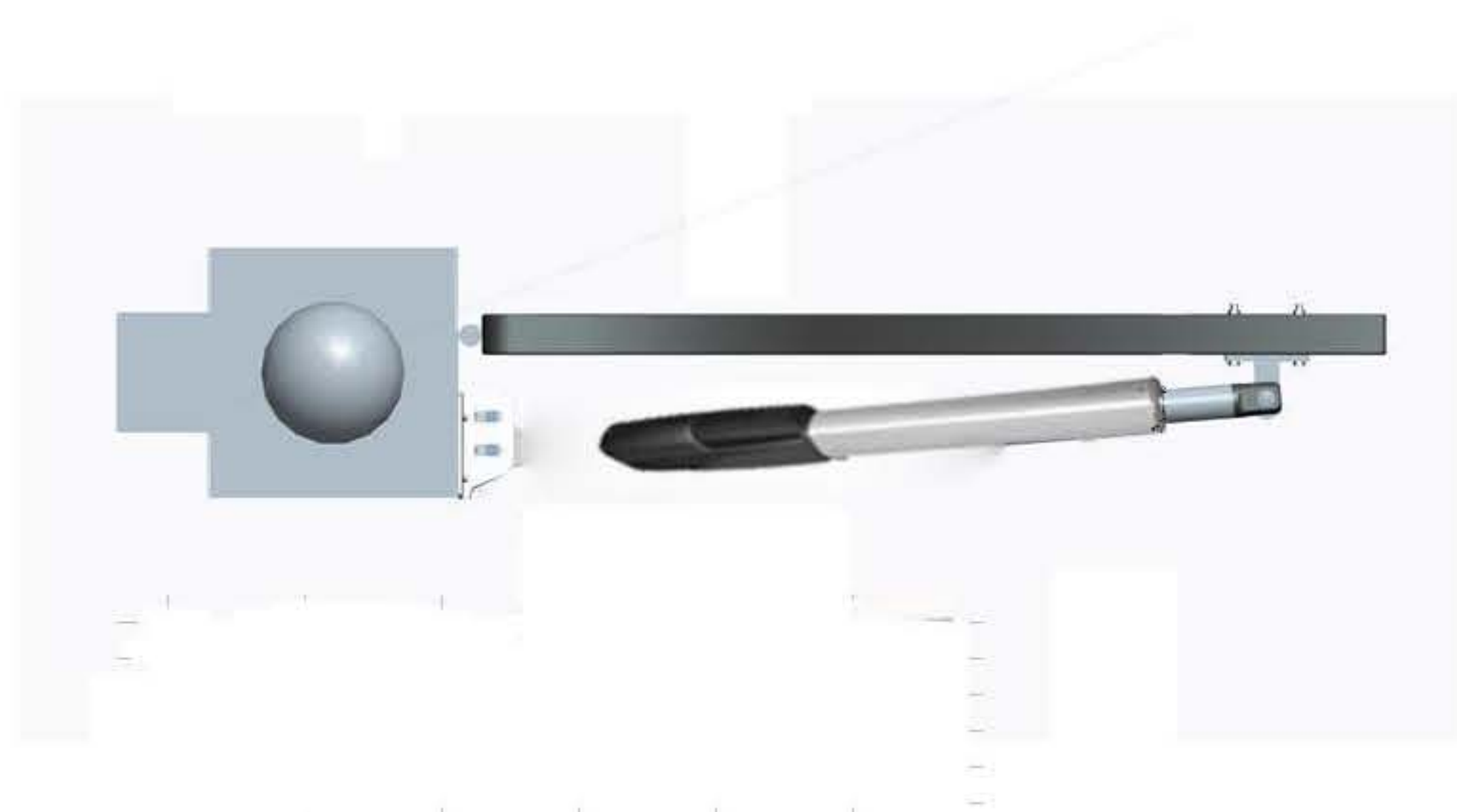
Swing open in

Step 4

KIT *SW850*
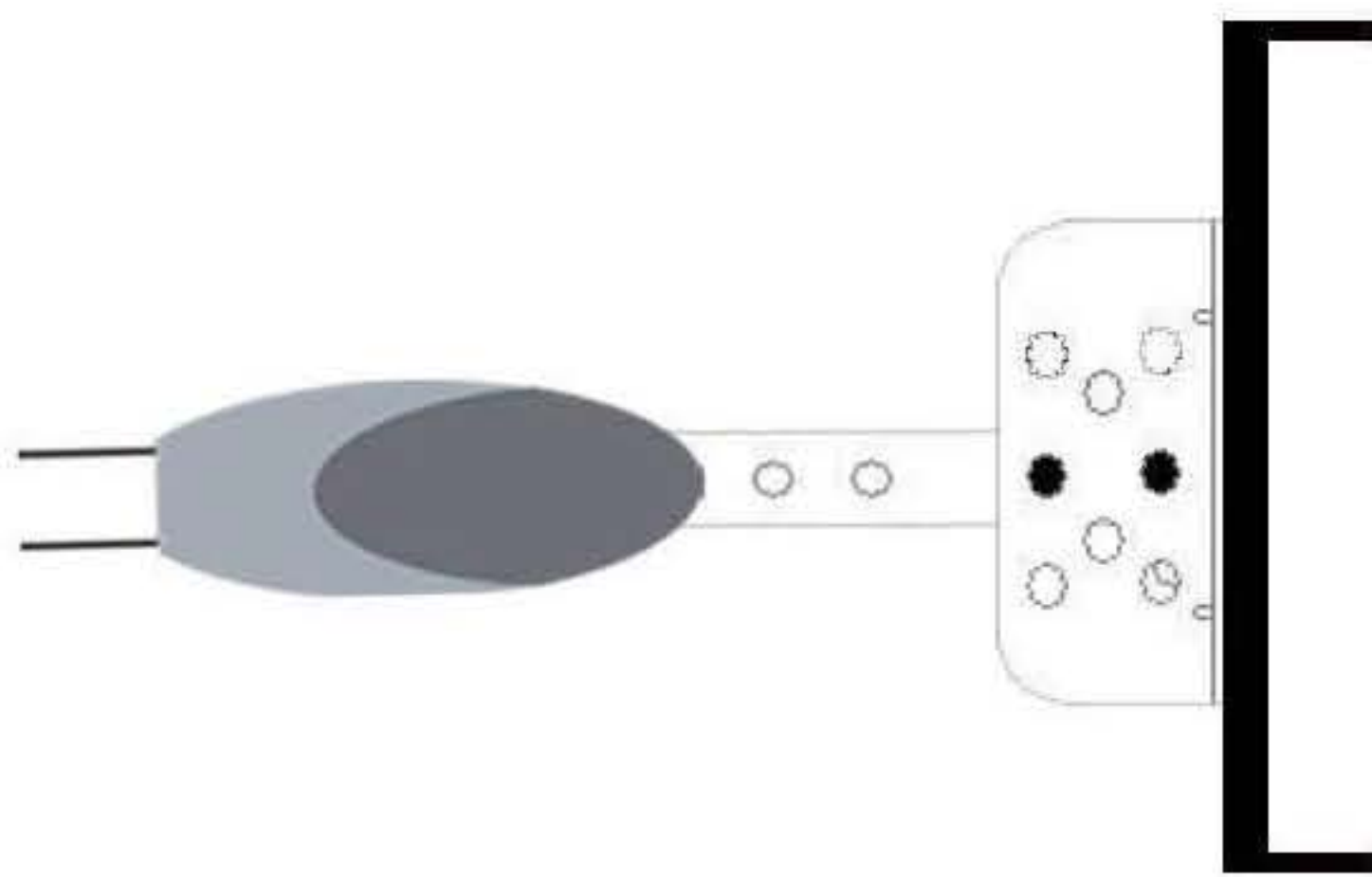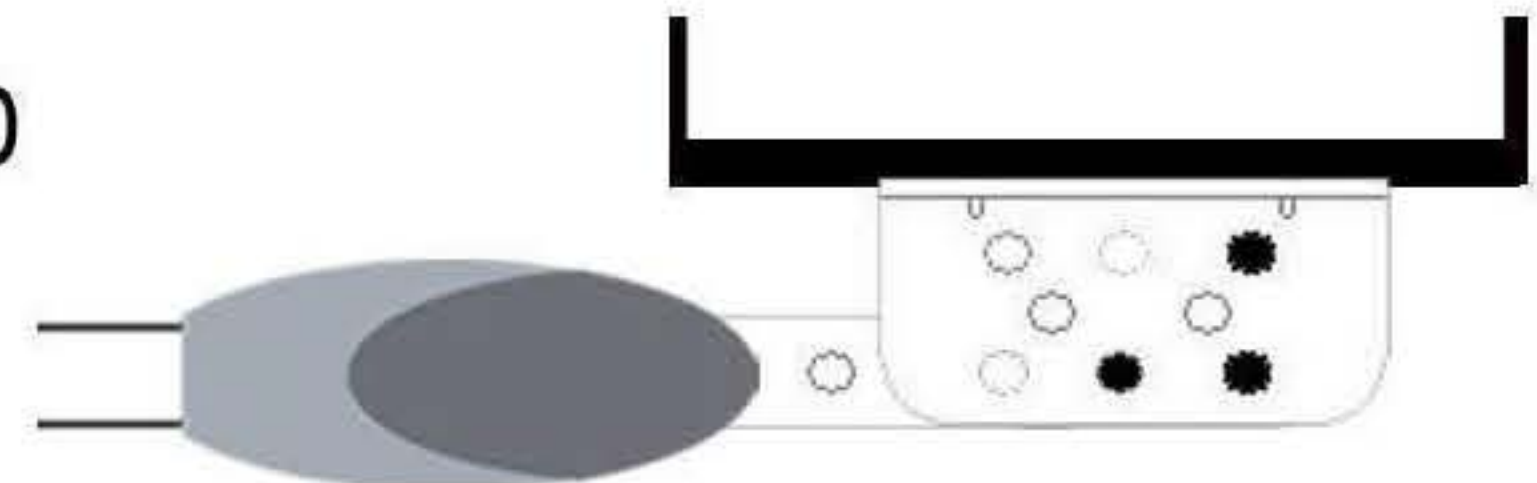## SWING GATE OPENERS
Quick Installation Guide
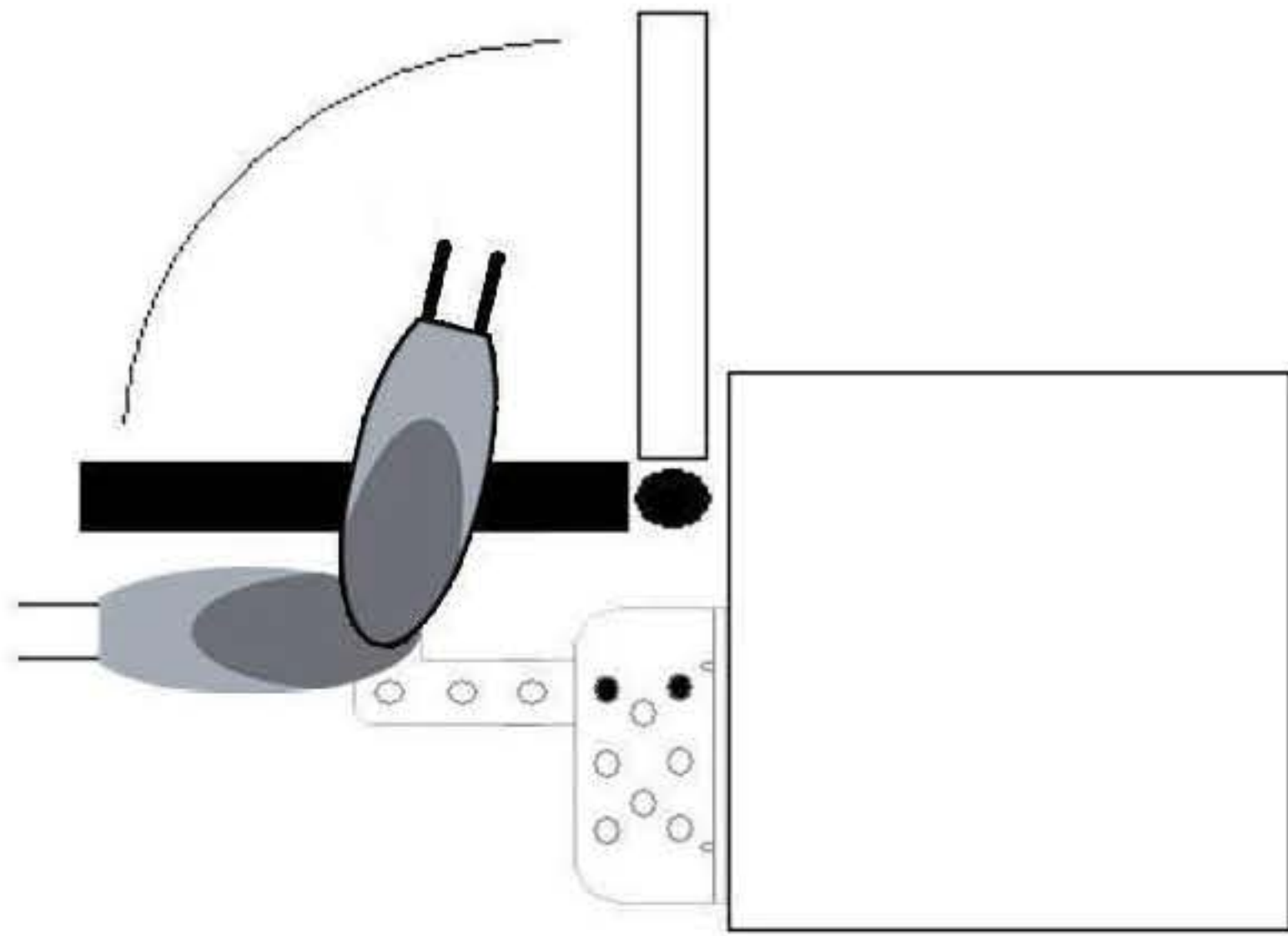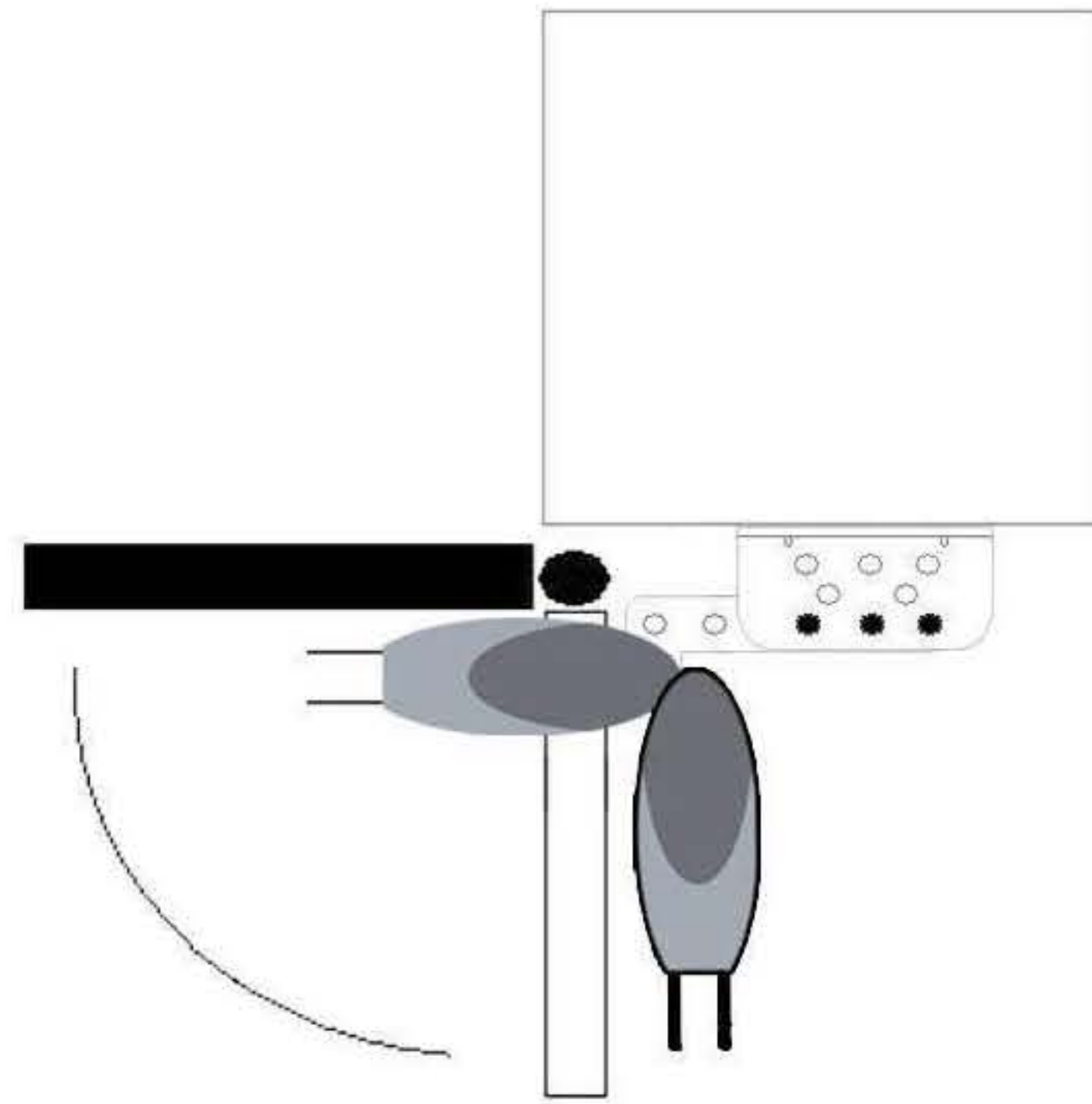
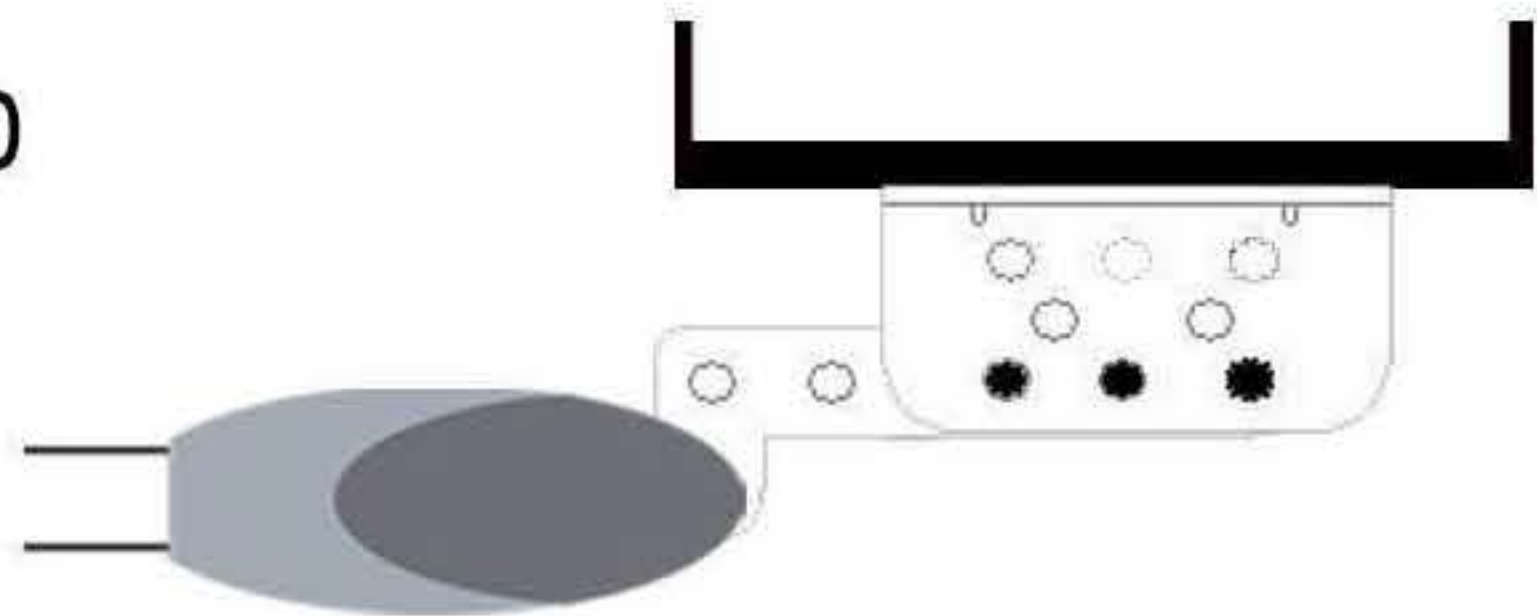Swing open out   Swing open in

Max. 100   Max. 100
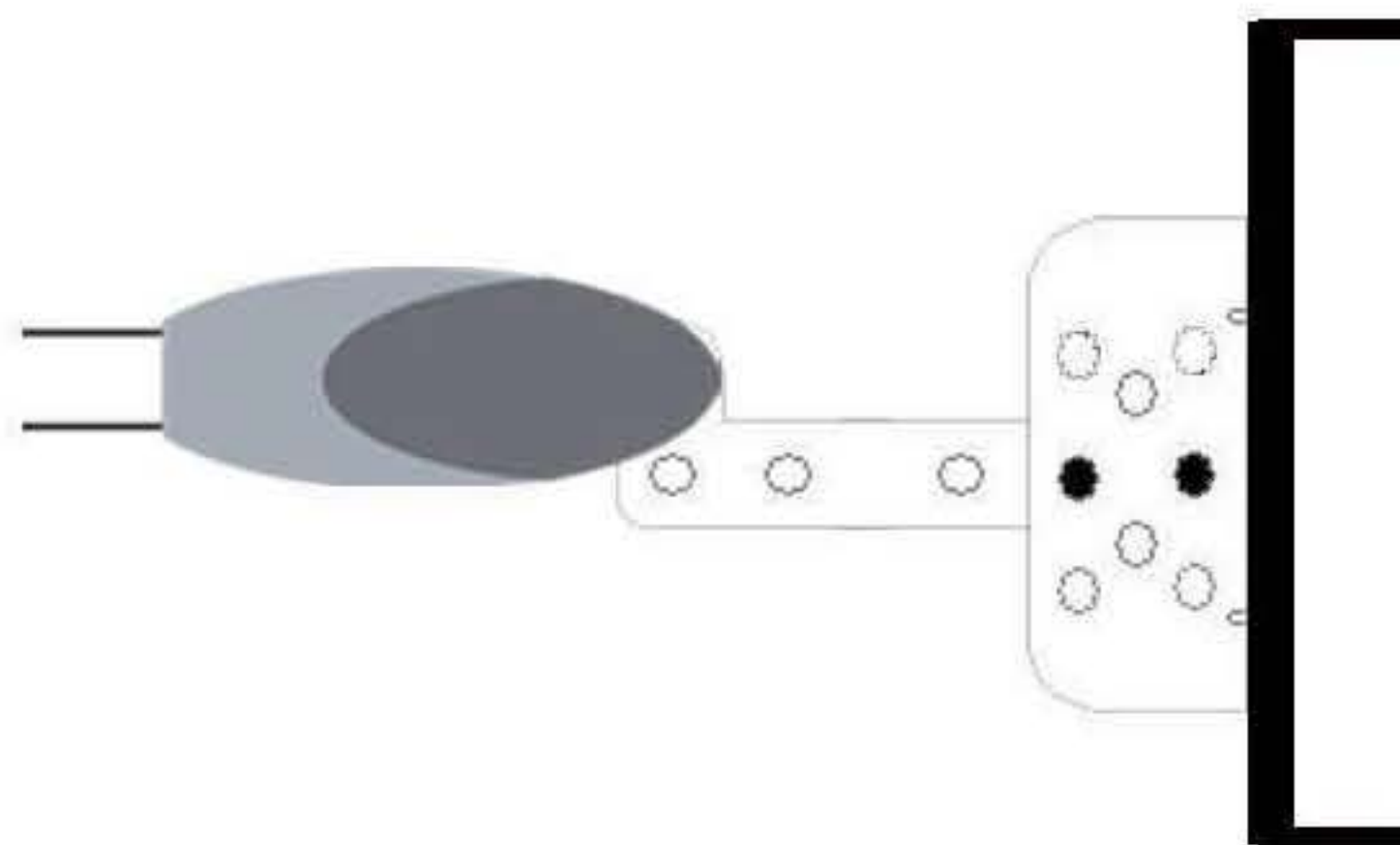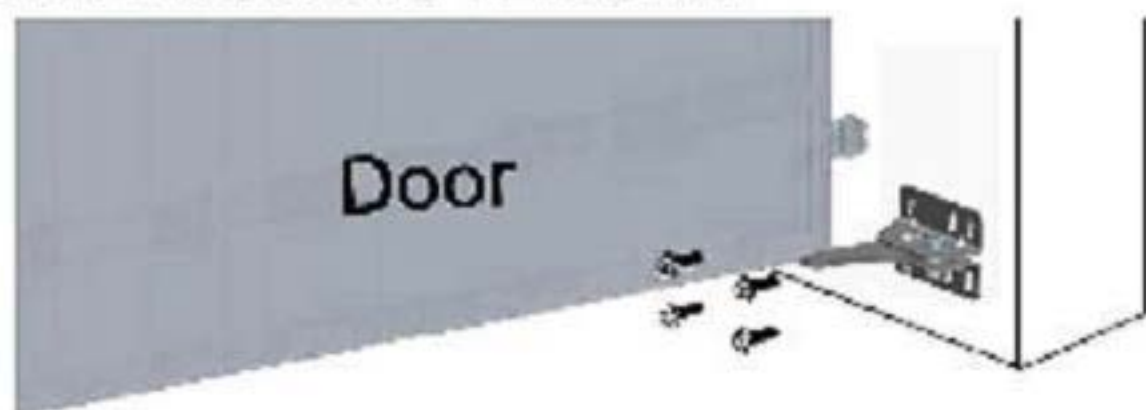
Max. 120   Max. 120

Max. 130   Max. 130

7
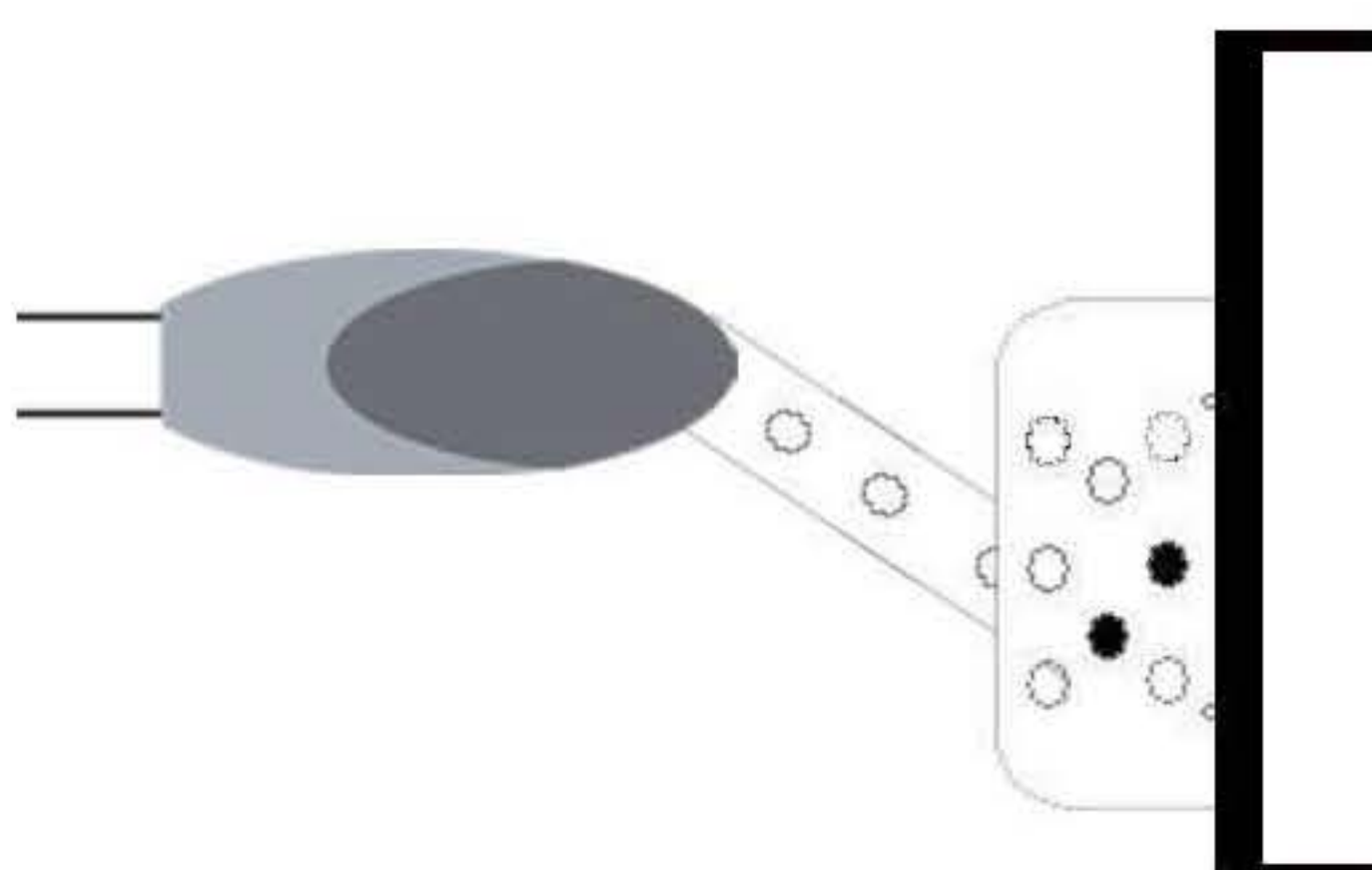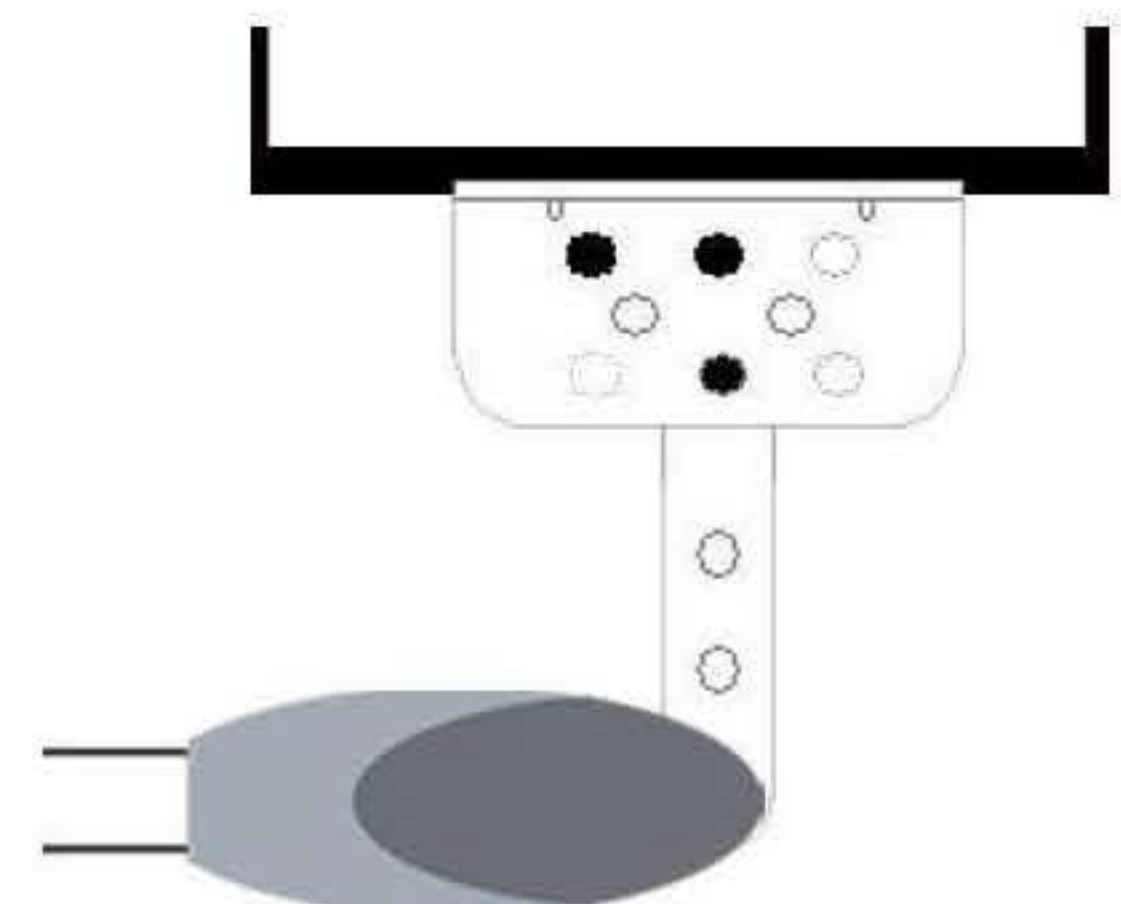
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Quick Installation Guide

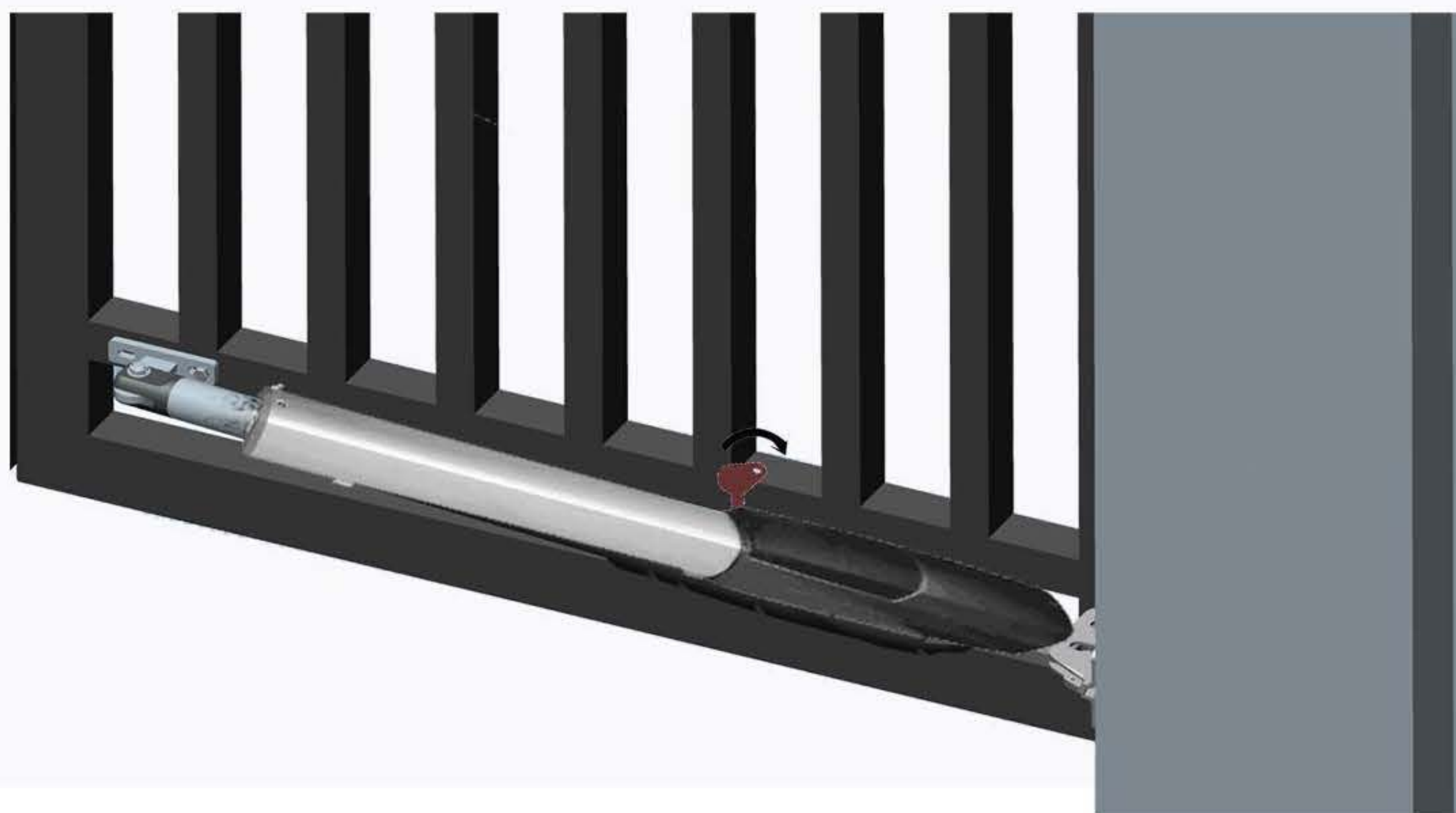## Fix Wall Bracket and "L" Bracket
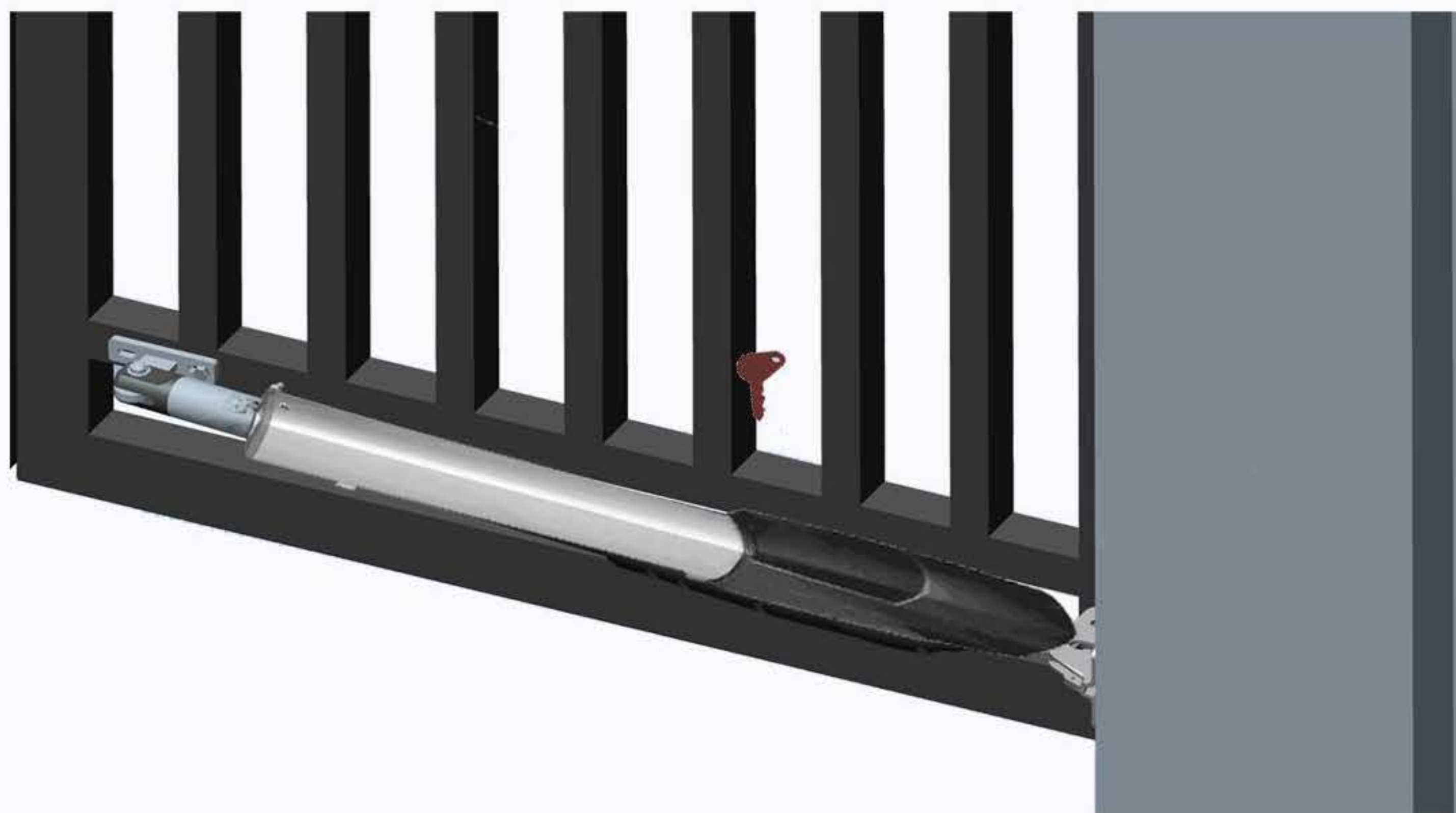
Door

Fix "T" Bracket

Door

Fix Motor

Door

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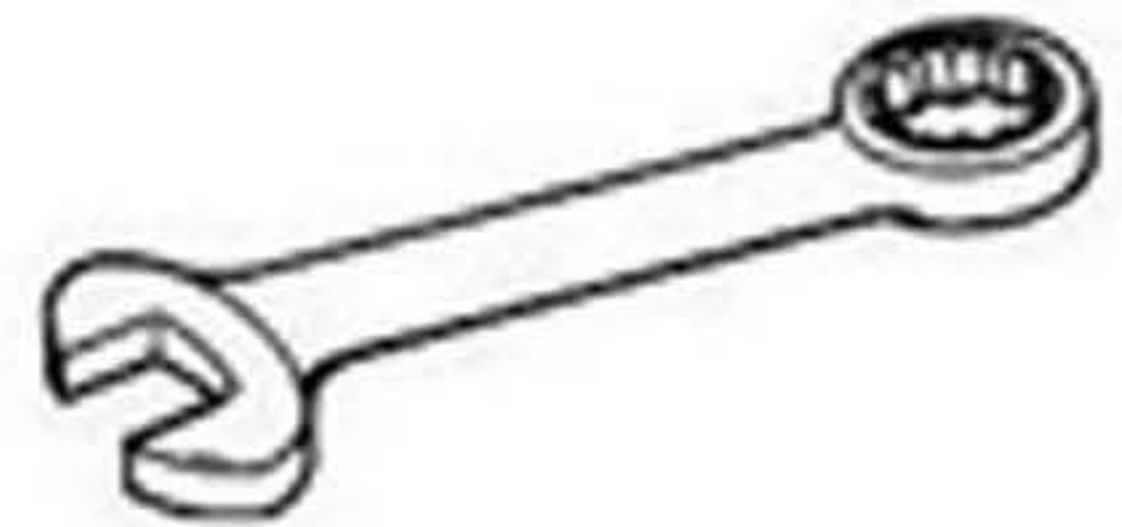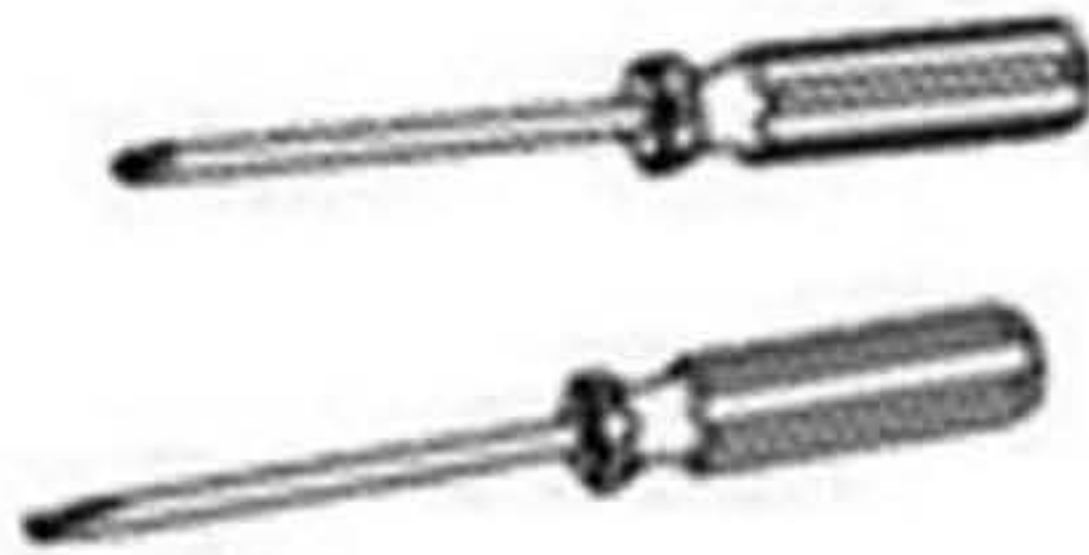## Quick Installation Guide

Step 6

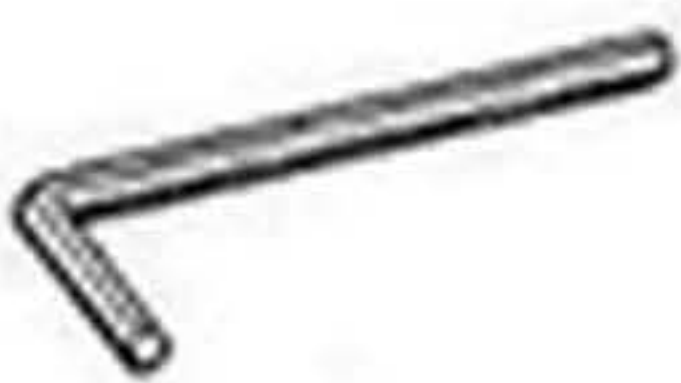**KIT** SW850

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Tools：

Make sure you have all tools and materials
needed to install the system;
make sure that they are in good condition
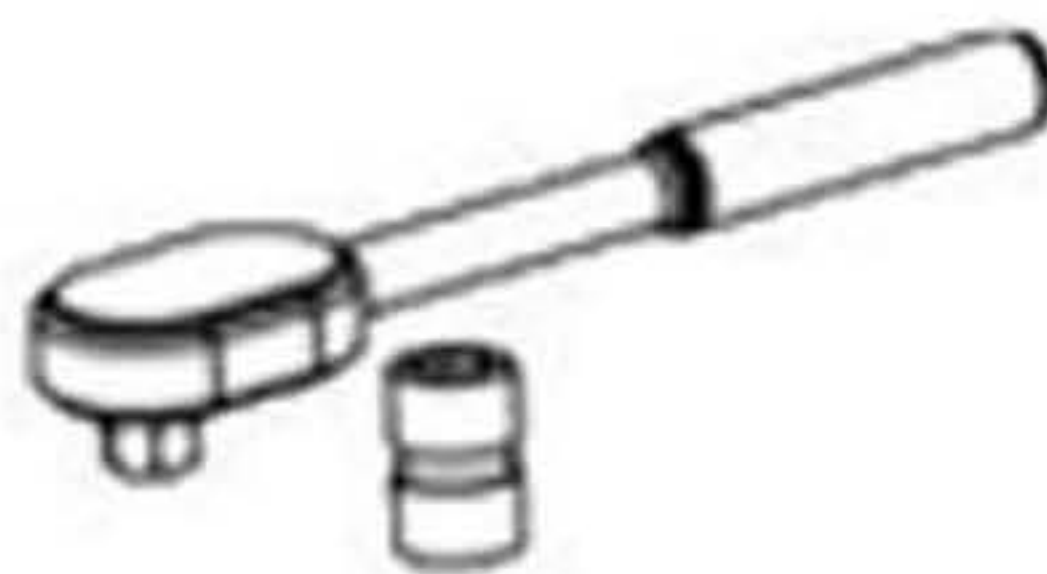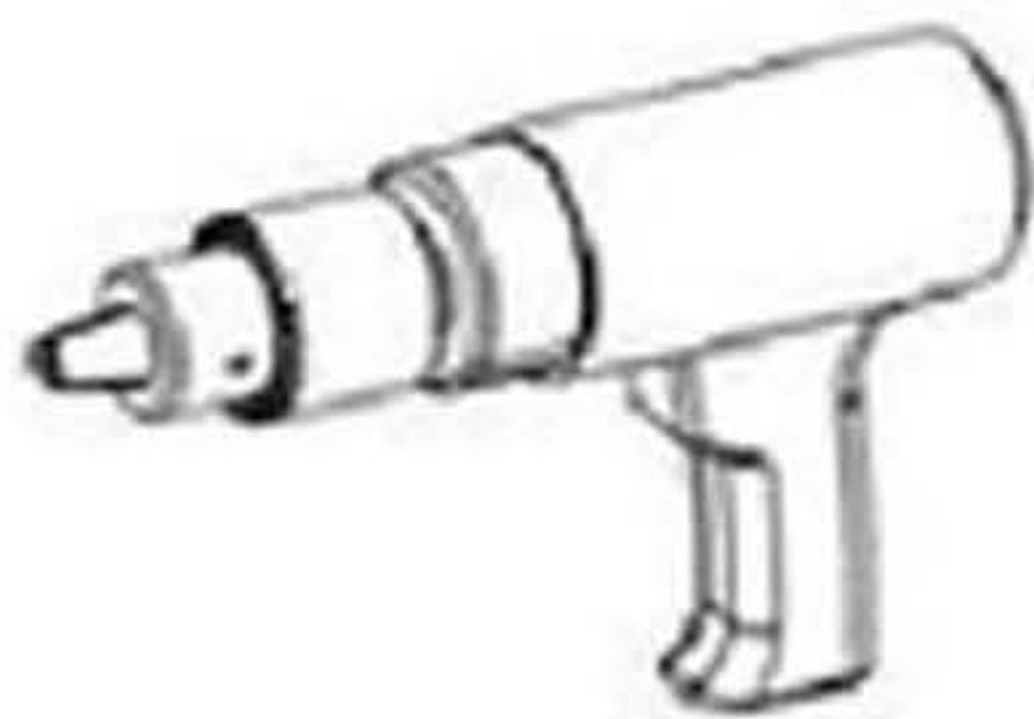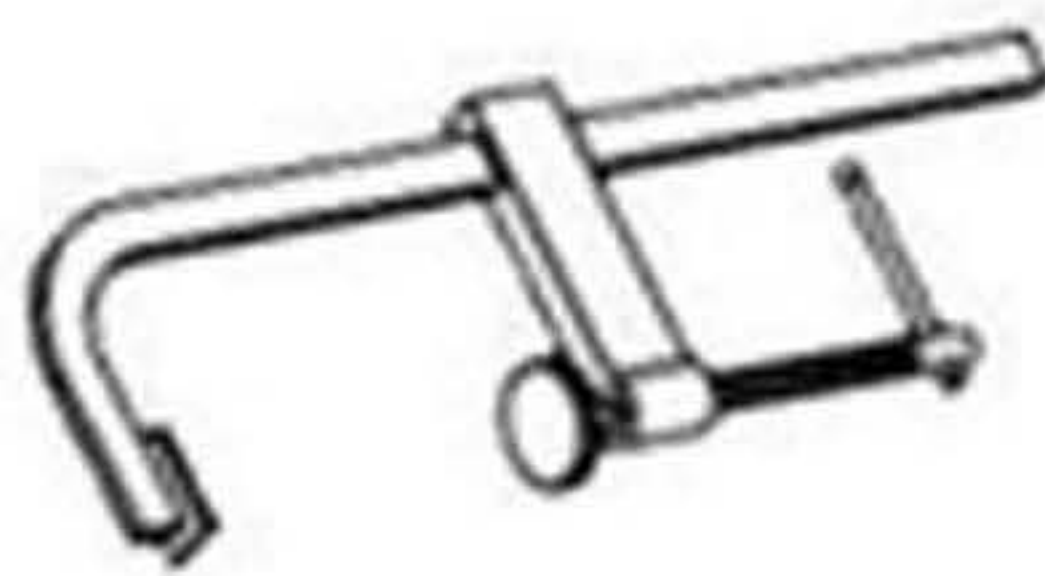and serviable according to safely standards.

For examples:

#17

M5

#17

Φ 10 * 100mm

M10 * 80mm