Robo Swing R900™ / Robo Slide™
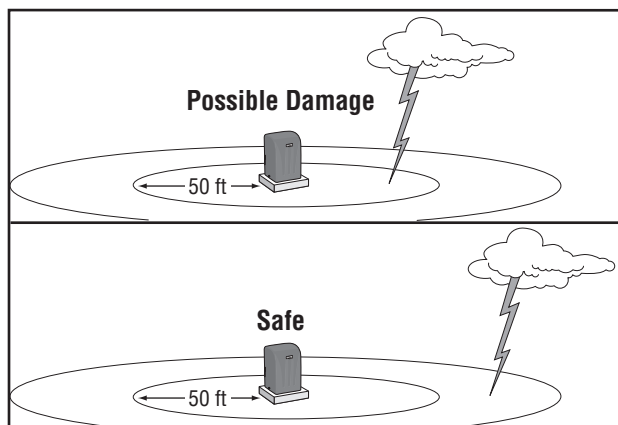
surge suppression installation manual
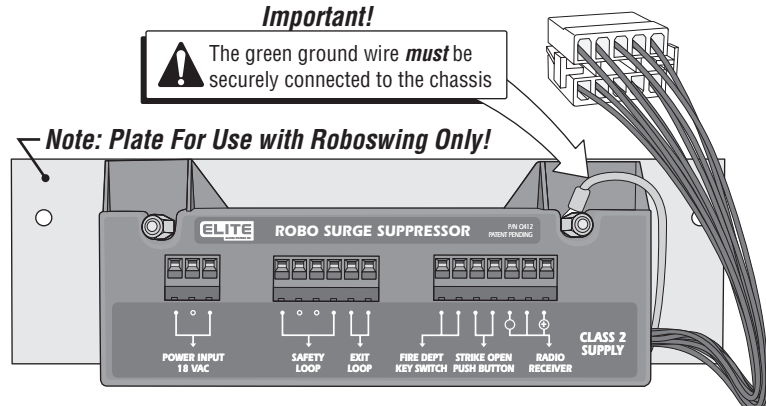
Please read this entire manual before installation

Possible Damage

←50 ft→

Safe

←50 ft→

Important!

⚠ The green ground wire **must** be securely connected to the chassis

Note: Plate For Use with Roboswing Only!

ELITE ROBO SURGE SUPPRESSOR P/N OH12 PATENT PENDING

POWER INPUT 18 VAC | SAFETY LOOP | EXIT LOOP | FIRE DEPT KEY SWITCH | STRIKE OPEN PUSH BUTTON | RADIO RECEIVER | CLASS 2 SUPPLY

Inputs protected by the Surge Protection Module.

Name of Lines Protected	Number of Lines Protected
Safety Loop Command	1
Exit Loop Command	1
Fire Department or Key switch	1
Strike Open or Push Button	1
Radio Receiver (Power and Relay) Power Input (18 Vac)	3
Ground	2

Earth Ground Rod Installation

Proper grounding gives an electrical charge, such as from an electrical static discharge or a lightning strike, a path from which to dissipate its energy safely into the earth.

Without this path, the intense energy generated by lightning could be directed towards the gate operator. Although nothing can absorb the tremendous power of a direct lightning strike, proper grounding can protect the gate operator in most cases.

⚠ Before digging more than 18" deep, contact local underground utility locating companies ⚠
*Avoid damaging gas, power, or other underground utility lines.*

The earth ground rod **must** be located within 3 feet from the gate operator. Use the proper type earth ground rod for your area.

The ground wire **must** be a single, whole piece of wire. **Never** splice two wires for the ground wire. If you should cut the ground wire too short, break it, or destroy its integrity, replace it with a single wire length.

⚠ **Not responsible for improper installation or failure to comply with all necessary local building codes.**
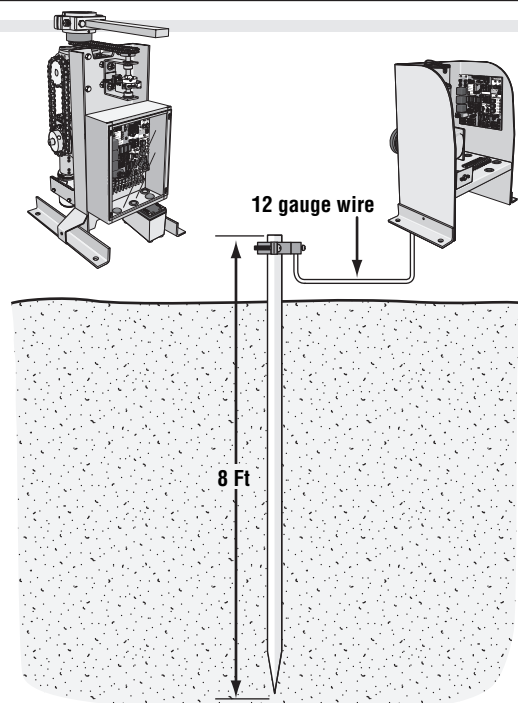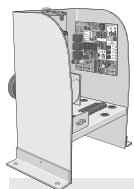
12 gauge wire

8 Ft

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ELITE™

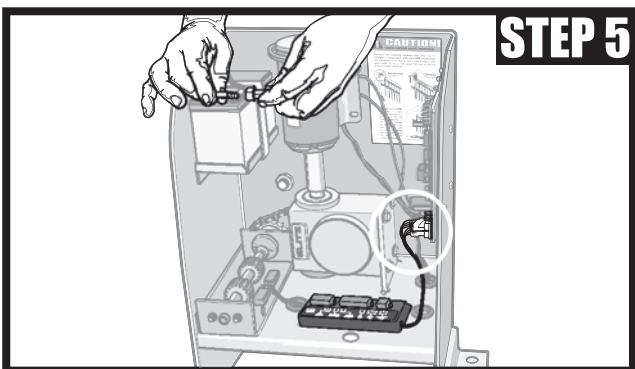845 Larch Avenue Elmhurst, Illinois 60126
www.chamberlain.com

Robo Slide™ Surge Suppressor Step-by-Step Installation

STEP 1

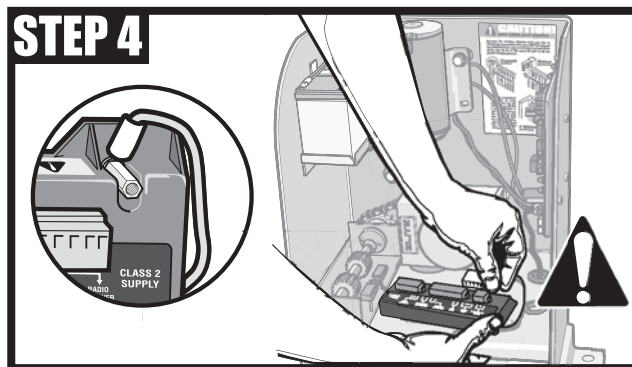Unplug the power transformer, battery connection and all accessory wires from terminal block.

STEP 2
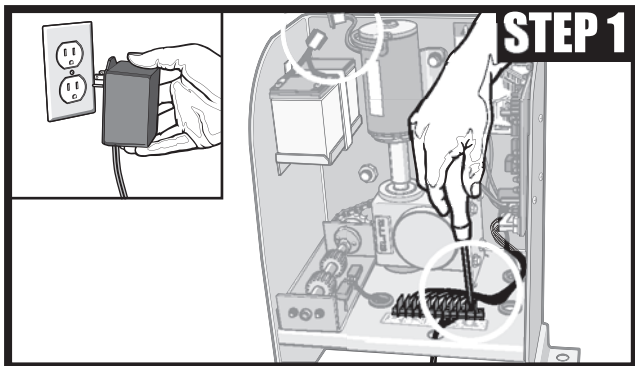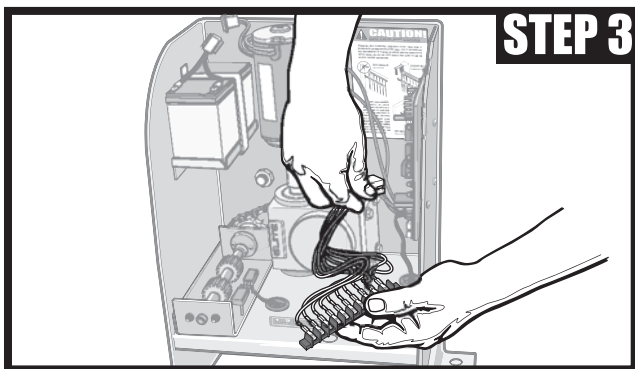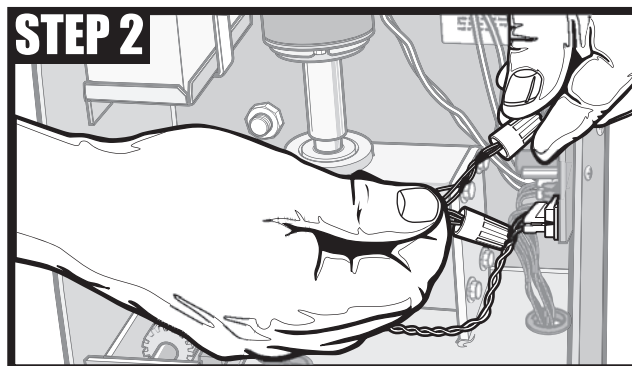
Disconnect yellow power transformer wires from J1 plug.

STEP 3

Unplug the J1 socket and remove the old terminal block.

STEP 4

Mount surge suppressor in same place as old terminal block. *Connect green ground wire to the chassis. DO NOT USE METAL PLATE*
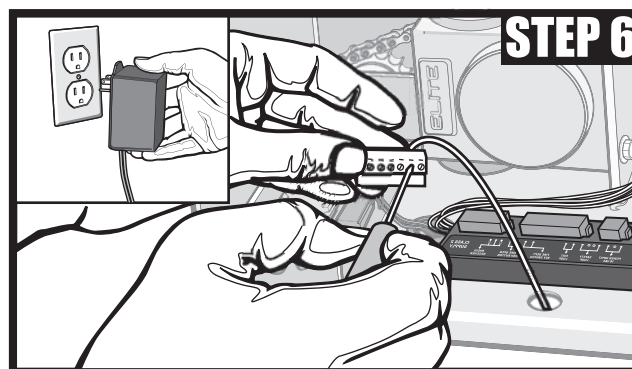
STEP 5

Plug the surge suppressor's J1 plug into control board and reconnect battery.
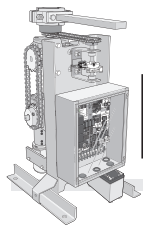
STEP 6

Reconnect all accessory and power wires to surge suppressor module. Plug transformer back in.

**Test all the accessories in combination with the gate operator to corroborate proper installation and functionality.
See wiring diagram on back.**
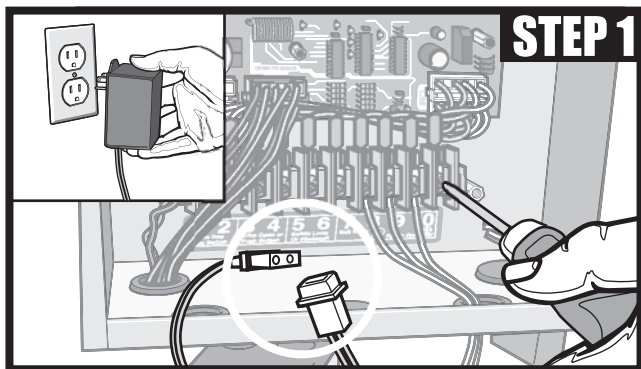
For Technical Support: **1-800-528-2806**
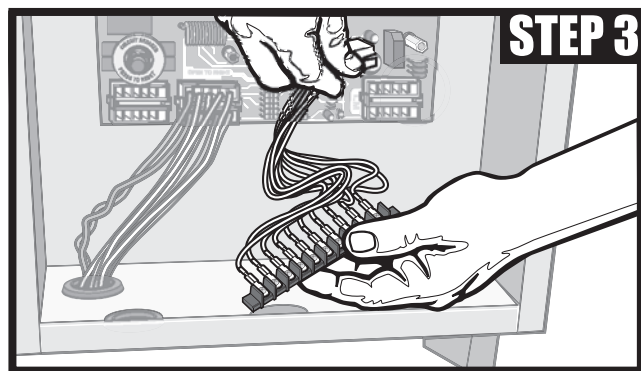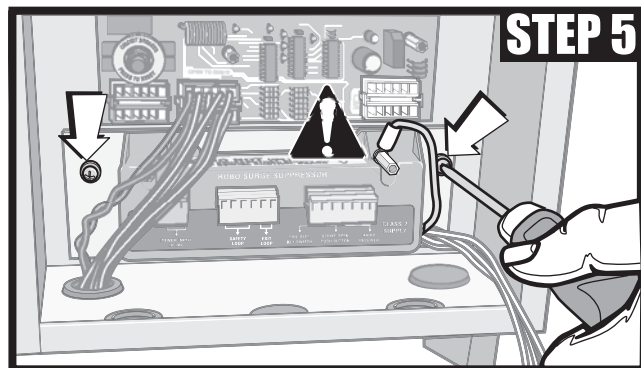
CHAMBERLAIN®
ELITE™

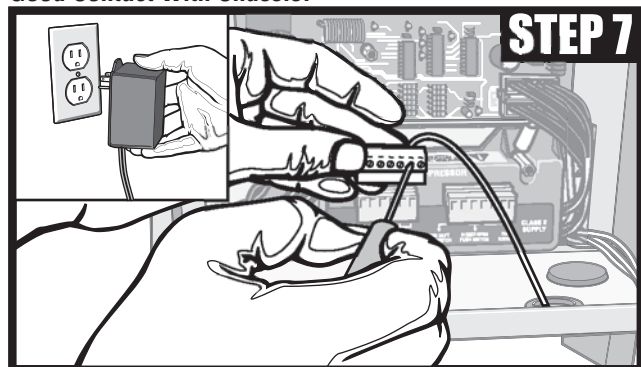# Robo Swing R900™ Surge Suppressor Step-by-Step Installation

STEP 1

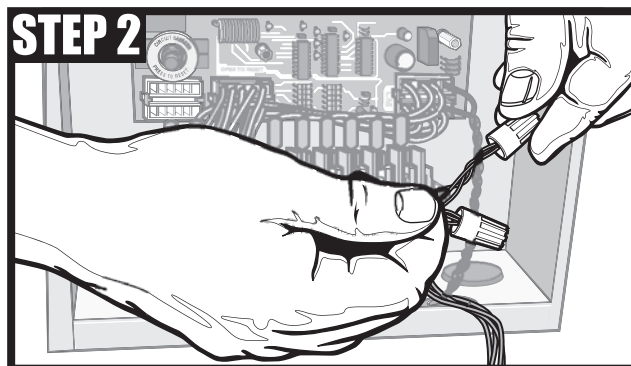Unplug the power transformer, battery connection and all accessory wires from terminal block.

STEP 2

Disconnect power transformer wires from J1 plug.

STEP 3

Unplug the J1 socket and remove the old terminal block.

STEP 4
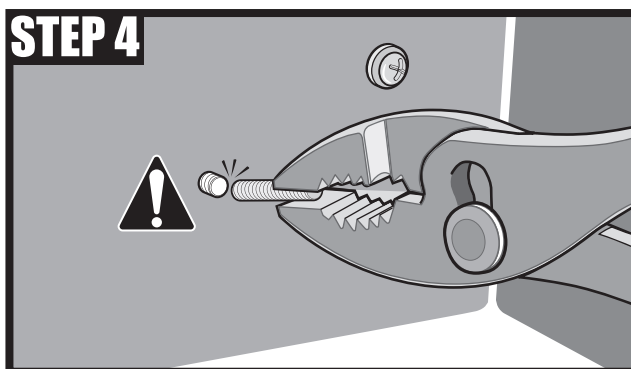
Carefully break off the 2 studs that held the old terminal block. *DO NOT use hammer!*
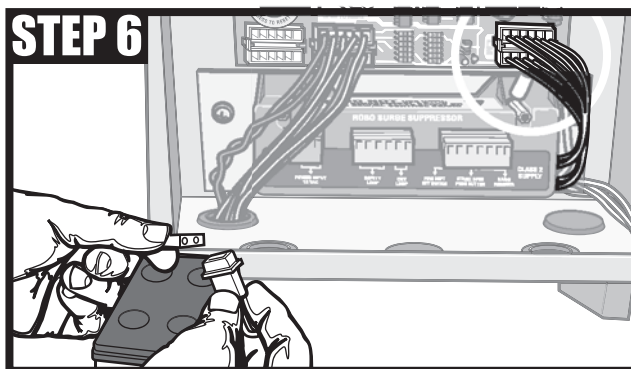
STEP 5

Remove the two lower screws holding electronic box to chassis and mount the surge suppressor *with plate* in the electronic box with the two screws. *Make Sure Green Ground Wire Makes Good Contact With Chassis.*

STEP 6

Plug the surge suppressor's J1 plug into control board and reconnect battery.

STEP 7

Reconnect all accessory and power wires to surge suppressor module. Plug transformer back in.

Test all the accessories in combination with the gate operator to corroborate proper installation and functionality. See wiring diagram on back.

For Technical Support: **1-800-528-2806**

Additional Protection Against Surges for Gate Operators

For additional protection against surges, ensure that the cables or wires going to your accessories comply with the following rules:

All wires going the the accessories *must* be shielded wires.

    The shield *must* be connected as follows:

        A) At the gate operator: To the chassis of the gate operator

        B) At the accessories: To their chassis (Earth grounding at the accessories will be even more beneficial)

Ensure that the connections to the chassis are made as tight as possible to create good contact.

Ground Wire Must Make Good Contact With Chassis

ROBO SURGE SUPPRESSOR P/N 0412

POWER INPUT 18 VAC — SAFETY LOOP — EXIT LOOP — FIRE DEPT KEY SWITCH — SINGLE OPEN PUSH BUTTON — RADIO RECEIVER — CLASS 2 SUPPLY

To 115 Vac

Polarity does NOT Matter

Plug-In Transformer 18 Vac

External "Safety" Loop Detector 12 VDC

Photo Cell (Safety) 12 VDC

External "Exit" Loop Detector 12 VDC

4 Wire -12 VDC Radio Receiver

13 + 12 Volt — 1
11 − Neg. — 2
11 − Neg. — 3
12 Com. — 4

Card Reader

Push Button

Phone Entry

Fire or Any Key Switch

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