This kit is designed for a 1601 barrier gate operator WITHOUT convenience open OR 1603 auto-spikes barrier operator. It CANNOT be used with a 1602 operator. The kit provides a reversing edge with OR without Red/Green LEDs for a octagon arm. When the arm is raised, LEDs turn GREEN, and turns RED when lowered and remains RED in the down position. Arm will reverse if lowering and an obstruction is encountered.

**Note:** DO NOT operate arm with a malfunctioning reverse edge.

**Installation**

**Install Bracket**

Test hub UP and DOWN position before installing bracket.

Arm and Reverse Edge Note:
Arm (sold separately) has already been assembled when using 2-piece arm. See page 5 for more information.

Reverse edge with/without LEDs (sold separately) has already been installed on arm. See page 6 for more information.
Run Wire Harness (1601-345)

Choose which side of the operator the arm is mounted on, remove knock-out and run wire harness accordingly as shown.

Install Arm Cover

DO NOT operate arm with a malfunctioning reverse edge.

IMPORTANT: Wire harness MUST remain clear of the rotating arm and the arm cover to avoid wire chaffing.

Note for Older Covers:
See page 4.

Note for Older Operators:
A 5/8" hole will have to be drilled in the operator cabinet approximately where Knock-Out is shown. Make sure 5/8" hole is clear of all internal components.

IMPORTANT: Allow slack in the wire harness between the cable grips of at least 13" or more for the rotating arm.

Note:
Spacer MUST be in position when installing a reverse edge. See page 6.

Use supplied adhesive zip tie to secure harness to bottom of bracket.

Plug in reverse edge.

Use bottom hole on arm bracket to secure cable grip.

IMPORTANT: Allow slack in the wire harness between the cable grips of at least 13" or more for the rotating arm.
MAKE SURE ALL POWER IS TURNED OFF TO OPERATOR!

1601 operators WITH convenience open CANNOT be USED.

Keep wire harness clear of all moving parts.

Transformer Plug

Arm Relay Contacts

C - Common - WHITE Wire (Red LED)
NC - Close - ORANGE Wire (Red LED)
NO - Open - GREEN Wire (Green LED)

Terminal 9 - Yellow Reverse Edge
Terminal 14 - Yellow Reverse Edge

AC POWER

ON

UP

OFF

DOWN

AUTO

Black-

Red+

(1601-345)

(1601-268-D-2-20)
Older Arm Cover

Older arm cover will need to have the reverse edge cut out of the existing cover. Only one side of the cover will need to be cut out depending on which side of the operator the arm is mounted on. Use this template as a guide to remove material from the cover.
This kit is designed for use on a 1601 or 1603 barrier gate operators **ONLY**. It has 2-7 ft arm sections that assemble into a 14 ft arm.

**Assemble Arm**

Slide section of the arm on coupler and secure with screws.

**Note:** Holes are pre-drilled in the arm section, but **not** in the coupler.

**Install End Cap**

Push a screwdriver through the hole in cap to release spring **while** pushing cap on. Keep pushing cap on until a "CLICK" is heard, locking it in place.
REVERSE EDGE / RED GREEN LED INSTALLATION

This kit is designed to install on a 14 ft aluminum octagon arm for a 1601 barrier gate operator or a 1603 auto spikes operator. It CANNOT be used with a 1602 operator.

Note: DO NOT operate arm with a malfunctioning reverse edge.

Installation

1 Remove End Cap
Push a screwdriver through hole in bottom of end cap to release spring while pulling cap off.

2 Slide on Spacer
Tip: Liquid soap will help spacer slide on easier.

3 Slide on Edge
Tip: Liquid soap will help reverse edge slide on easier.

3 Reinstall End Cap
Push a screwdriver through the hole in cap to release spring while pushing cap on. Keep pushing cap on until a “CLICK” is heard which locks it in place.

Note: Spacer MUST be in position.