### 1601-295

## 1601 / 1602 BREAK-AWAY OCTAGON ARM KIT

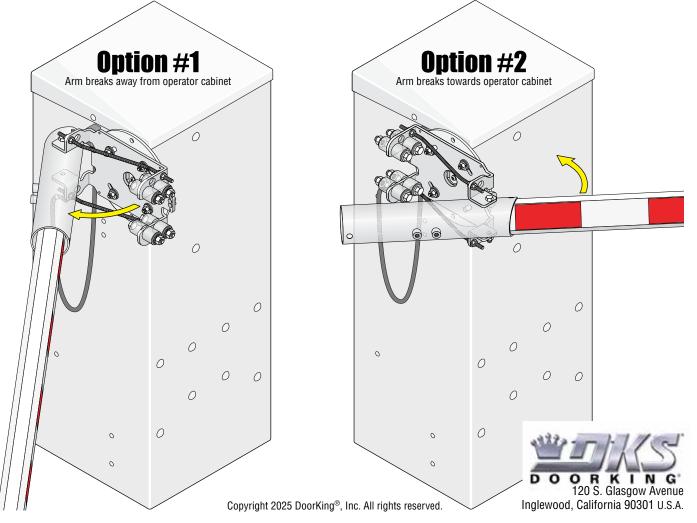
This kit is designed for the 1601 **OR** 1602 barrier gate operators **ONLY**. It **CANNOT** be used with the 1603 operators. The kit provides a break-away bracket assembly for a **octagon or round arm** with **OR** without reverse/LED edge. When the arm is raised, LEDs turn **GREEN**, then turns **RED** when lowered and remains **RED** in the down position. Arm will reverse if lowering and a obstruction is encountered. If the arm is struck and breaks away (will pivot in **ONE DIRECTION ONLY**, see below), gate operator will automatically shut down. The arm manually snaps back into the release rollers to function normally again.

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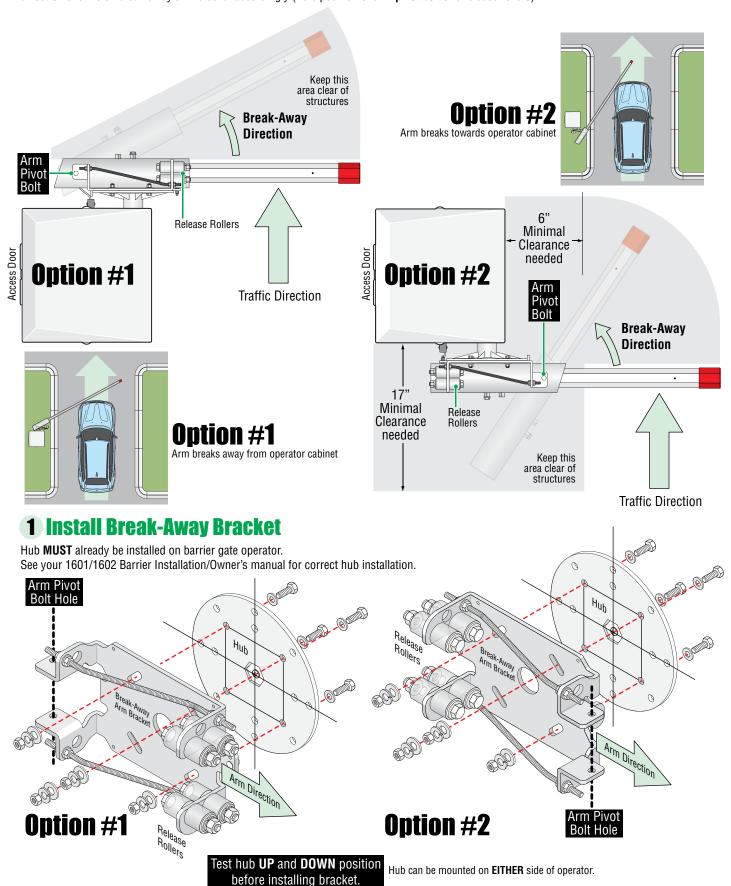
### **Break-Away Arm Bracket Direction Options**

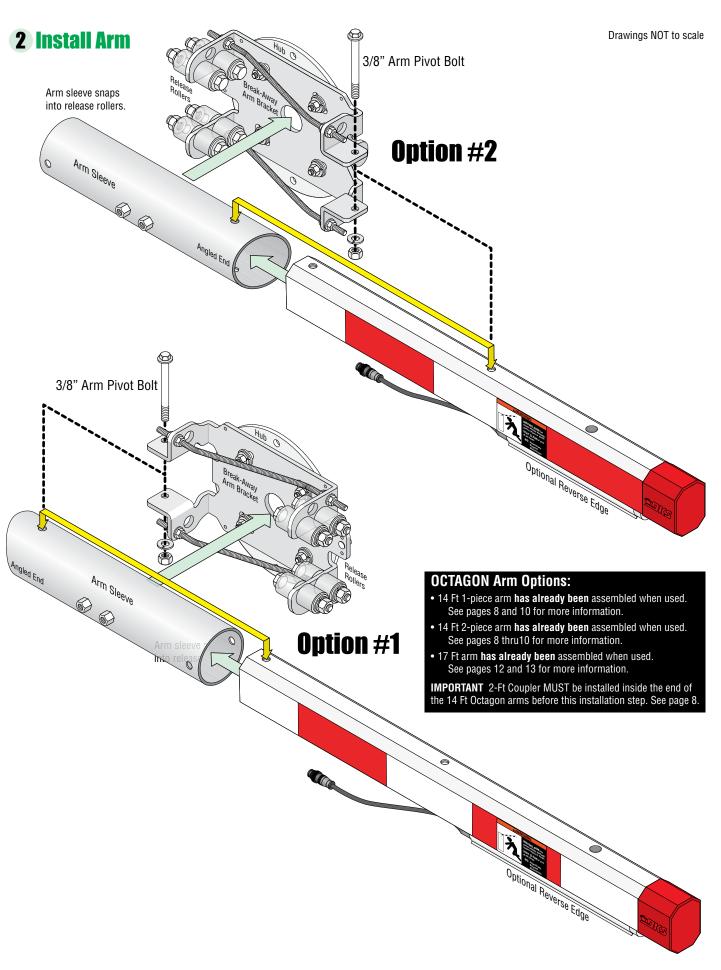
Break-Away arm bracket will only pivot in **ONE DIRECTION** depending on which way the break-away arm bracket is installed.

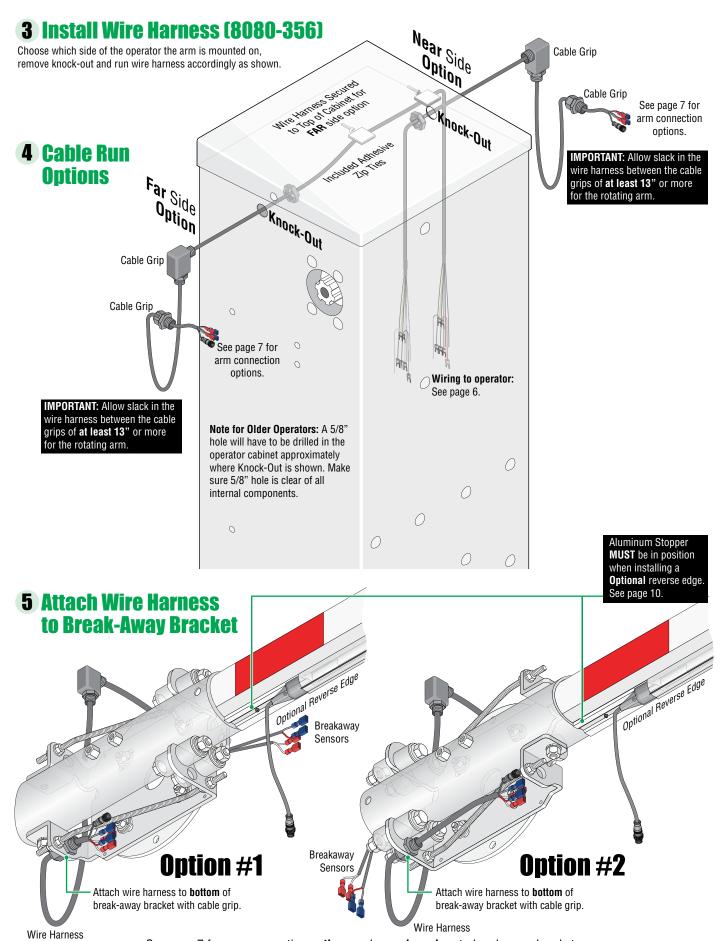


### **Break-Away Arm Direction Options**

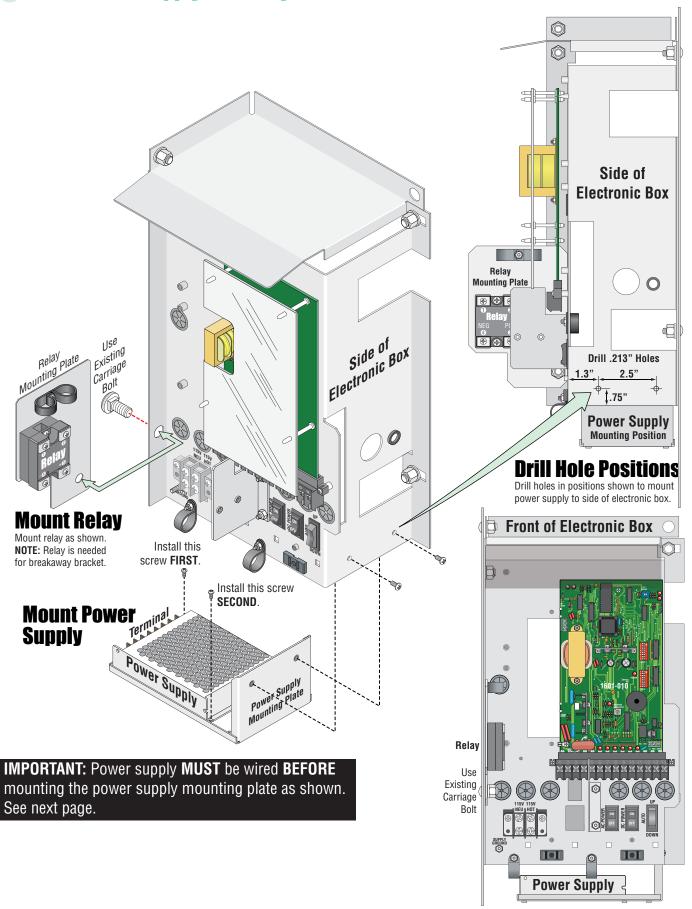
Arm will only pivot in **ONE DIRECTION** depending on which way the break-away arm bracket is installed. **Choose the desired break-away direction** and install break-away arm bracket accordingly (note position of **arm pivot bolt** and release rollers).





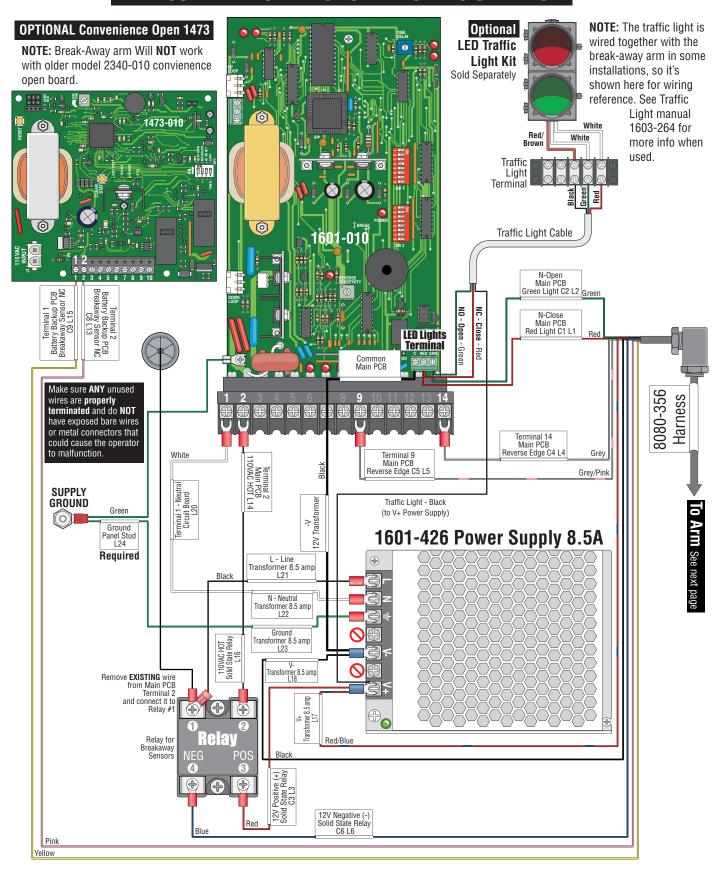


### **6** Mount Power Supply and Relay

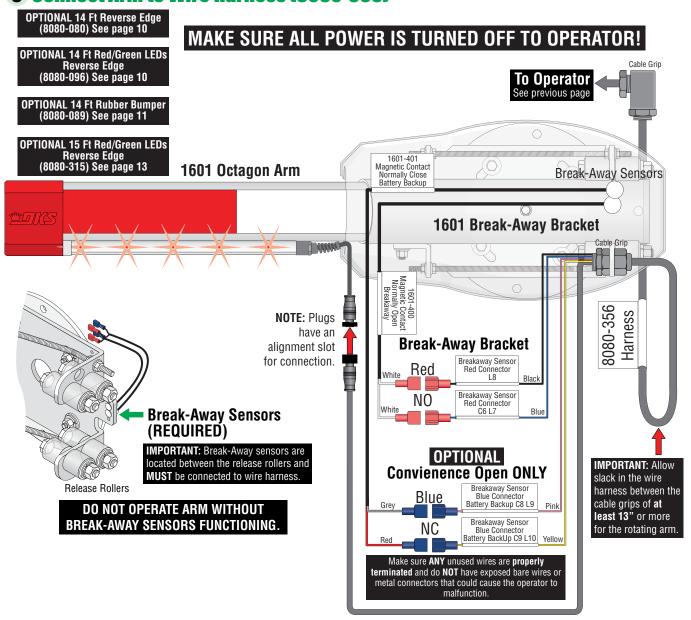


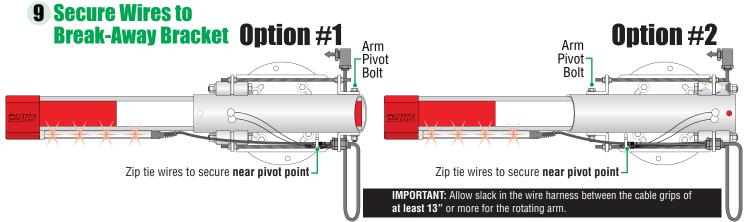
### 7 Octagon Break-Away Arm - Wiring to Operator

### MAKE SURE ALL POWER IS TURNED OFF TO OPERATOR!



#### 8 Connect Arm to Wire Harness (8080-356)





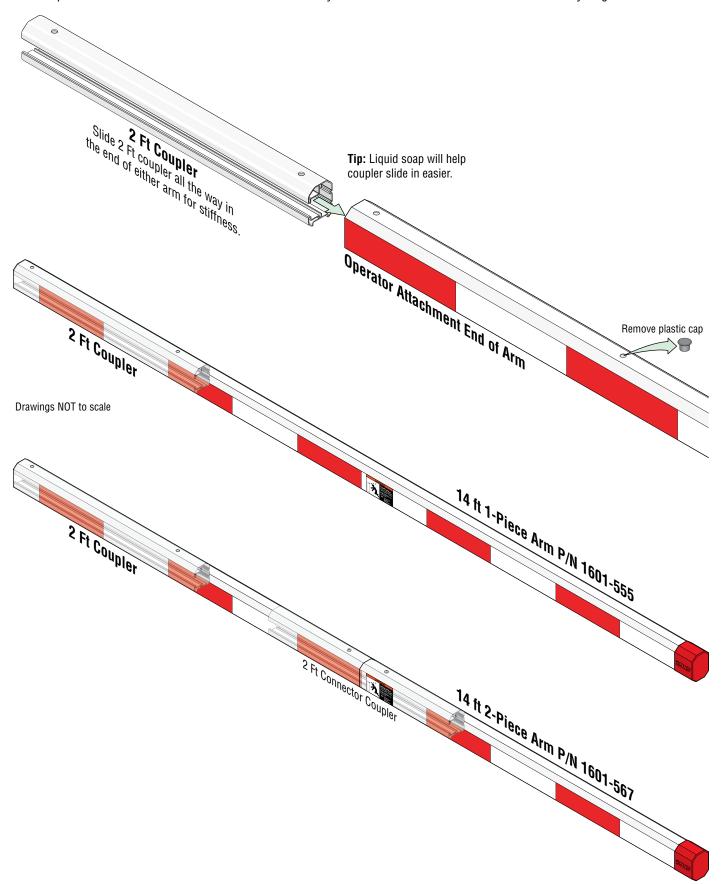
### **10** Break-Away Arm Reset Procedure

If arm gets struck and breaks away, gate operator will automatically shut down (Break-away sensors are tripped). Simply snap arm back into the release rollers. Make sure all wires are out of the way of the arm when snapping arm back in position. Normal operation can then continue.

DO NOT OPERATE ARM WITHOUT BREAK-AWAY SENSORS FUNCTIONING.

## **2 Ft Coupler Installation (Required)**

2 Ft Coupler is included in the kit and MUST be installed on your chosen arm to add stiffness when arm is cycling.



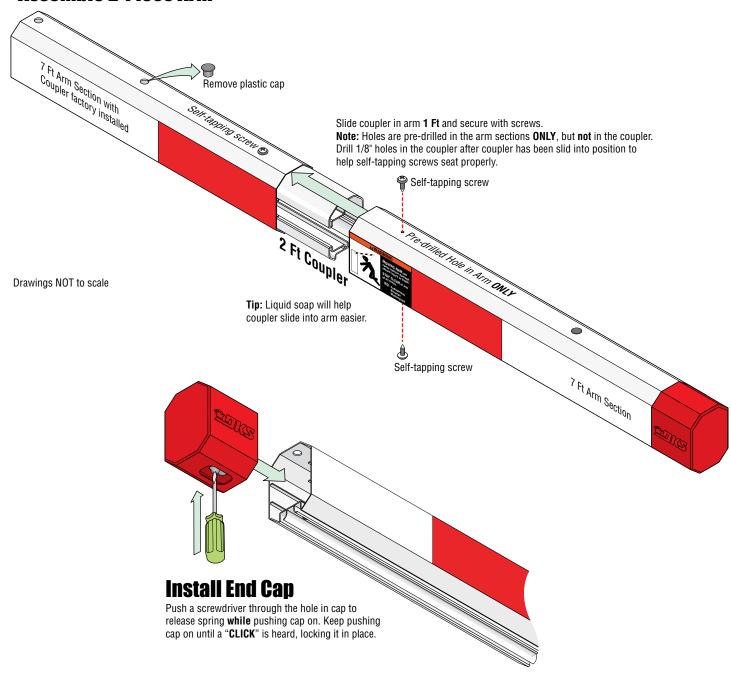
## **14 Ft 2-Piece Octagon Arm Assembly**

**1601-567** 14 Ft 2-Piece Octagon Arm Kit

This kit is designed for use on a 1601 barrier gate operator **ONLY**. It has 2-7 ft arm sections that assemble into a 14 ft arm.

A reverse edge can be installed on this arm. It is sold separately but **highly recommended** for safety, see next page.

#### **Assemble 2-Piece Arm**



## 14 Ft Reverse Edge / Red Green LED Installation

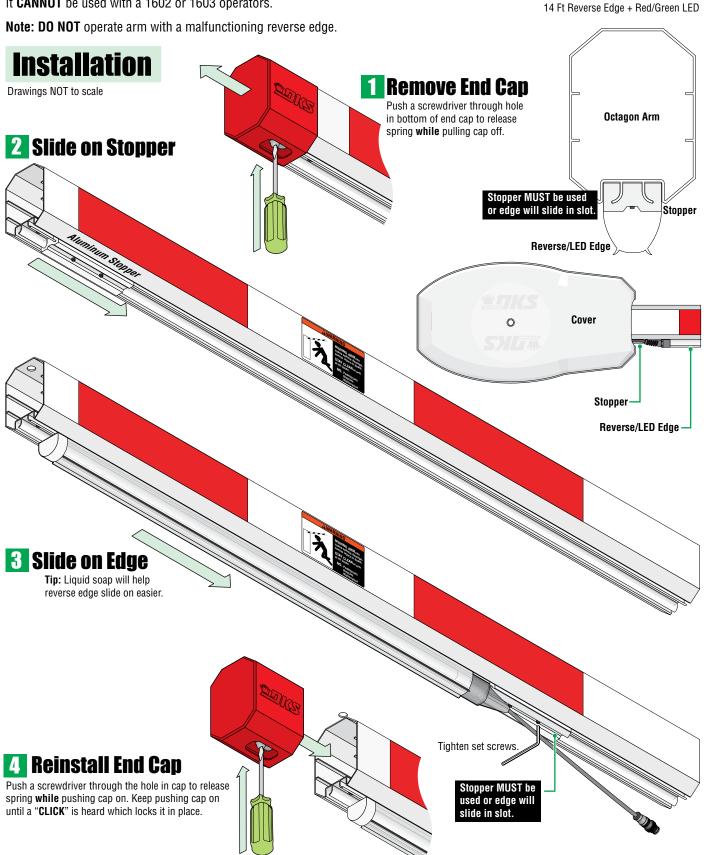
**DoorKing Part Numbers** 

8080-080

14 Ft Reverse Edge

8080-096

This kit is designed to install on a 14 ft 1-piece or 2-piece octagon arm for a 1601 barrier gate operator. It **CANNOT** be used with a 1602 or 1603 operators.

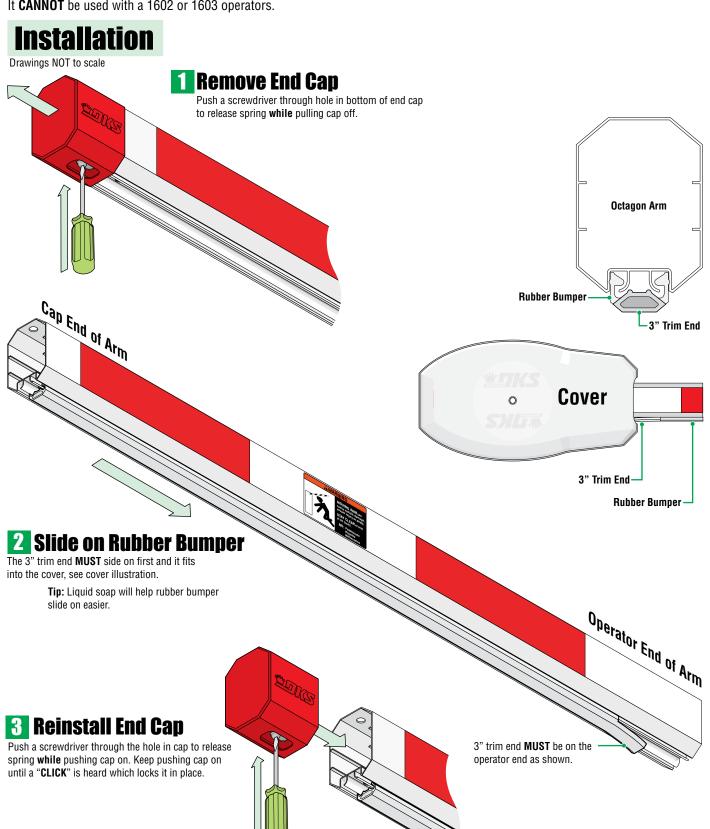


## **14 Ft Rubber Bumper Installation**

8080-089 14 Ft Rubber Bumper

This rubber bumper is designed to install on a 14 ft 1-piece or 2-piece octagon arm (not included) for a 1601 barrier gate operator.

It **CANNOT** be used with a 1602 or 1603 operators.



## 17 Ft Octagon Arm Assembly for a 1602 ONLY

DoorKing Part Numbers:

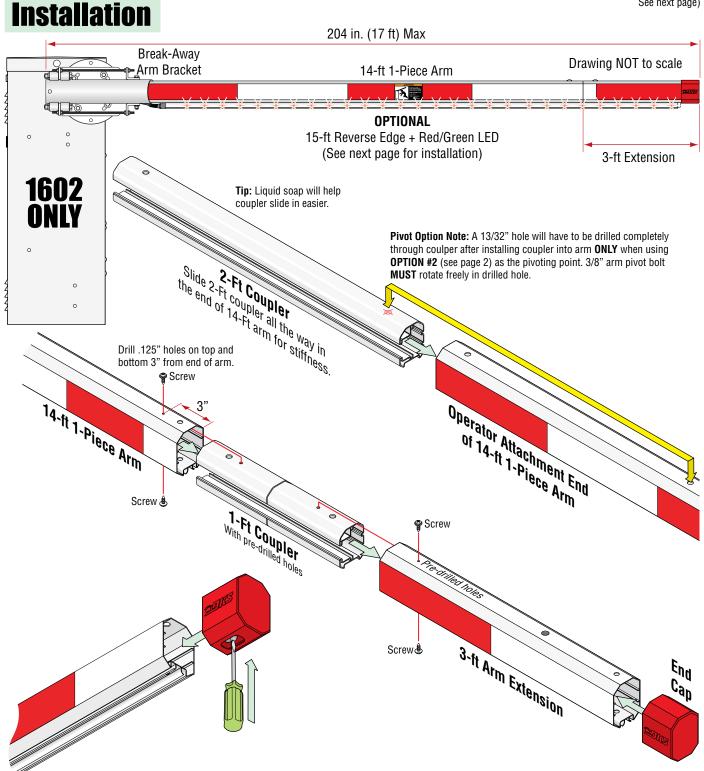
1602-303

Octagon Arm 3-ft Extension Kit

8080-315

This kit is designed for a 1602 barrier gate operator ONLY. It CANNOT be used with 1601 barrier OR 1603 auto-spikes barrier operators. It will extend a 14 ft octagonal arm an extra three feet. The reverse edge is sold separately but highly recommended for safety when lowering this very long arm.

15-ft Reverse Edge + Red/Green LED (Sold Separately See next page)



### **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.

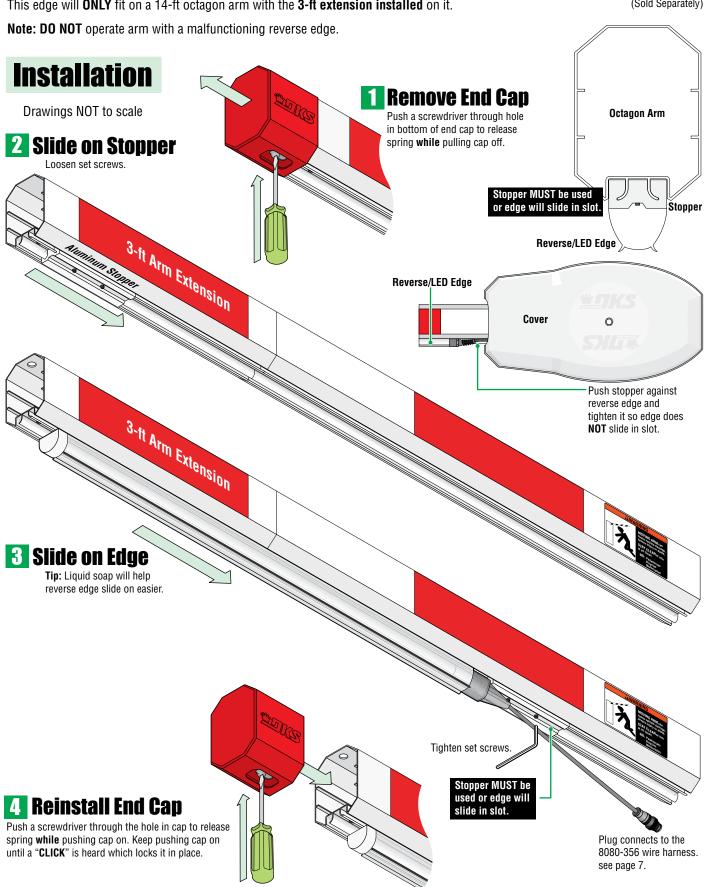
## 15 Ft Reverse Edge / Red Green LED Installation on 17 Ft Arm ONLY

DoorKing Part Number:

8080-315

15-ft Reverse Edge + Red/Green LED (Sold Separately)

This edge will ONLY fit on a 14-ft octagon arm with the 3-ft extension installed on it.



# **Older Existing Arm Cover**

Older existing plastic arm cover will need to have a notch cut out for the reverse edge. 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.

