

# OCTAGON FOLDING ARM INSTALLATION

This arm is designed **ONLY** for the 1601 and 1603 model barrier gate operators **with or without Reverse Edge & LEDs**. Recommended for low headroom applications.

DoorKing Part Numbers:

**1601-812**

2-6ft Folding Octagon Arms

**1601-242**

Standard Mount Hardware Kit

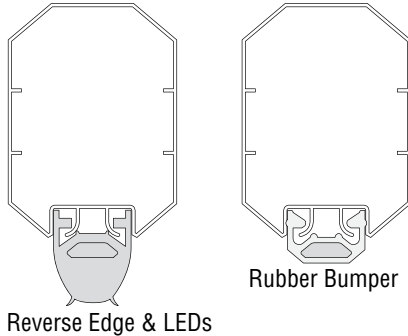
**1601-822**

2-Reverse Edge & LEDs Kit

**8080-089**

Rubber Bumper

## General Layout



## LED Arm Raised - Green Lights



Choose: Reverse Edge & LEDs **OR** Rubber Bumper **OR** Nothing

**IMPORTANT:** Reversing edge **CANNOT** be shorten.

**Tip:** Liquid soap will help edges slide on easier.

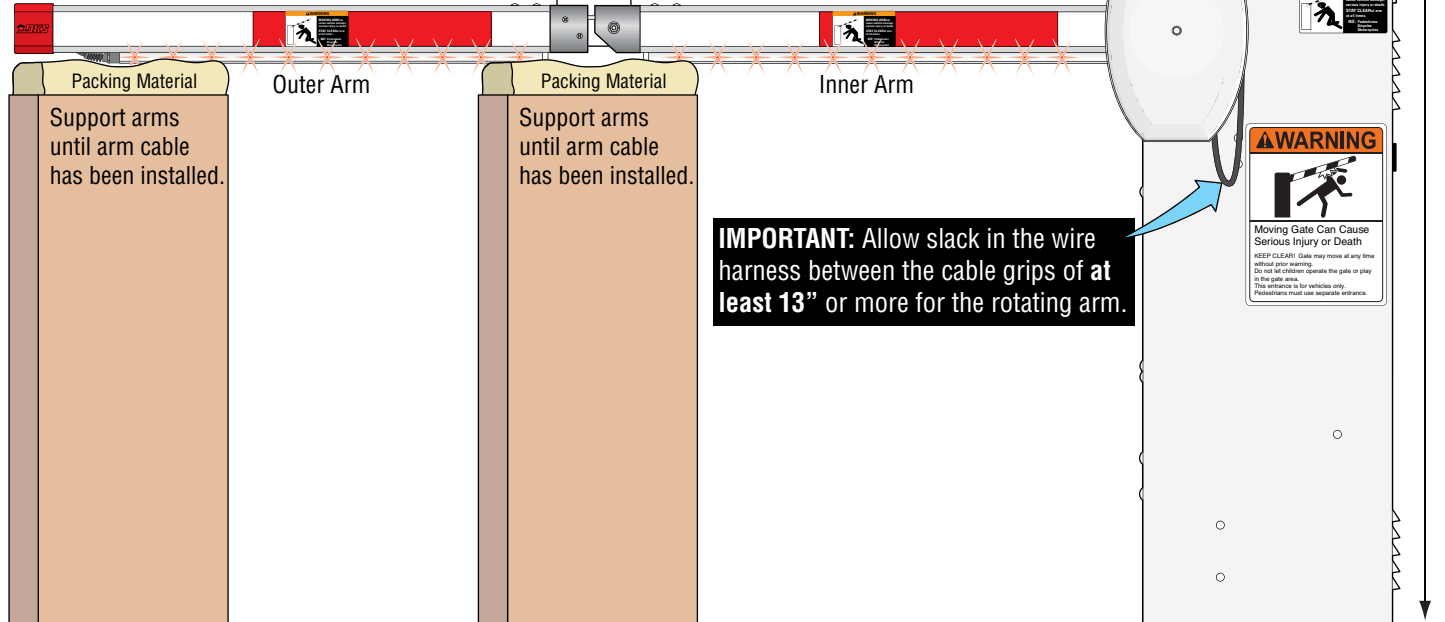
**1601:**  
**109"**

**1603:**  
**113"**

Adjust arm cable with eyebolt and cable clamps to level outer arm in **DOWN** position **ONLY**.  
**IMPORTANT:** DO NOT adjust arm cable too tight or it will bind when operating.

## LED Arm Lowered - Red Lights

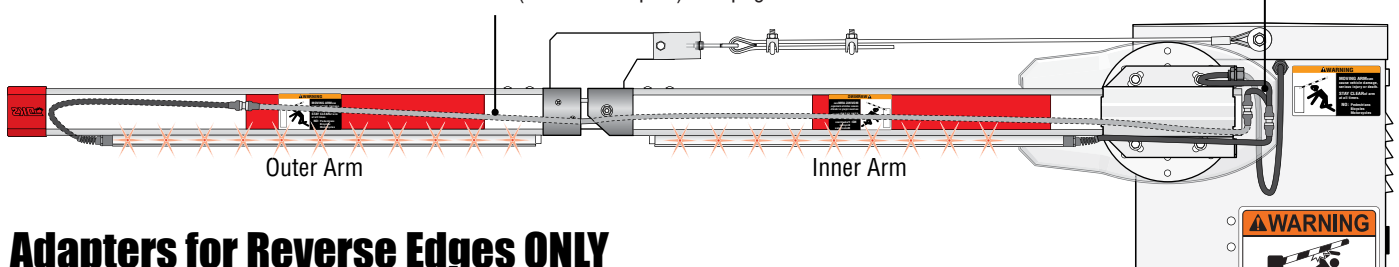
Drawings not to scale



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

**1601-391 (17ft Long Adapter)** runs inside arms and thru elbow to end of arm where it's connected to 1601-390 (2 into 1 Adapter) See page 4.

**1601-390 (2 into 1 Adapter)**



## Adapters for Reverse Edges ONLY

1601-288-B-10-21

# Installation Guidelines

DoorKing Part Numbers:

**1601-812**

2-6ft Folding Octagon Arms

**1601-242**

Standard Mount Hardware Kit

**1601-822**

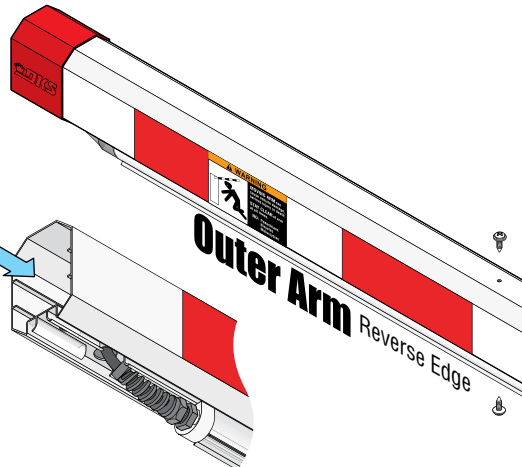
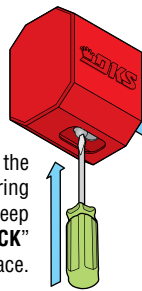
2-Reverse Edge & LEDs Kit

**8080-089**

Rubber Bumper

## End Cap

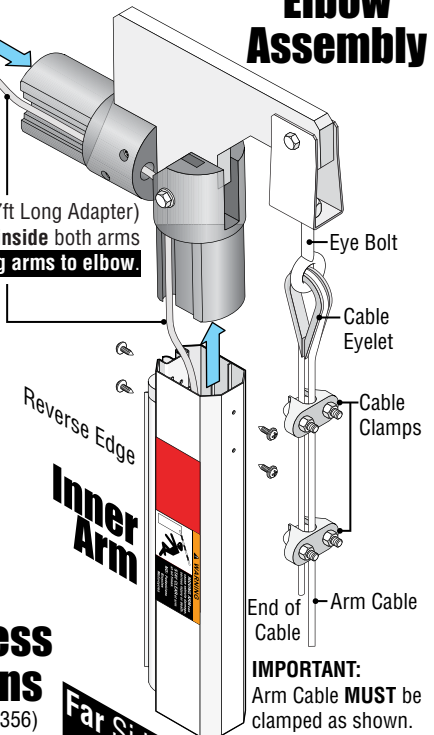
Push a screwdriver through the hole in cap to release spring **while** pushing cap on. Keep pushing cap on until a **"CLICK"** is heard which locks it in place.



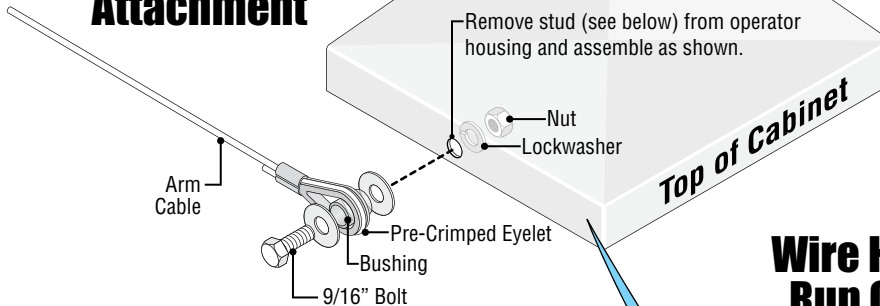
Self-Tapping Screws through **Pre-Drilled Holes** in Top and Bottom of **EACH** Arm.

## Elbow Assembly

**IMPORTANT:** Place 1601-391 (17ft Long Adapter) thru elbow and **inside** both arms **BEFORE** securing arms to elbow.



## Folding Arm Cable Attachment



Remove stud (see below) from operator housing and assemble as shown.

Nut  
Lockwasher

Arm Cable

Pre-Crimped Eyelet  
Bushing  
9/16" Bolt

## Wire Harness Run Options

(Wire Harness 1601-356)

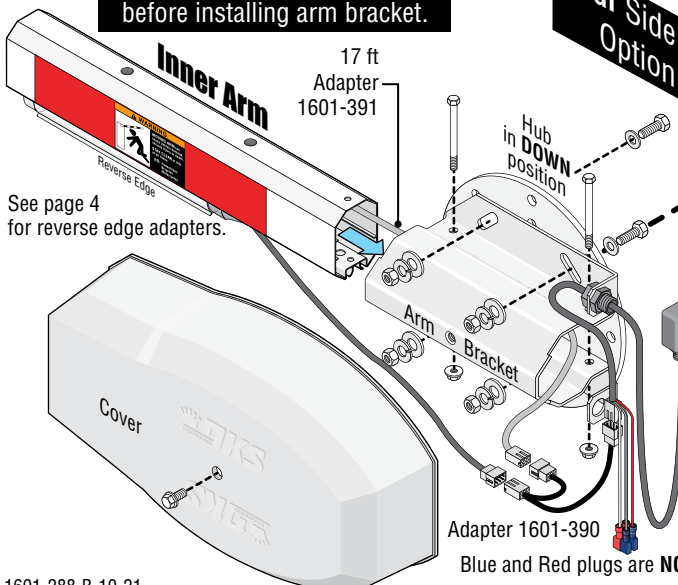
**Far Side Option**

Cable Grip

## Arm Connection to Operator

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

**Test hub UP and DOWN position before installing arm bracket.**



17 ft  
Adapter  
1601-391

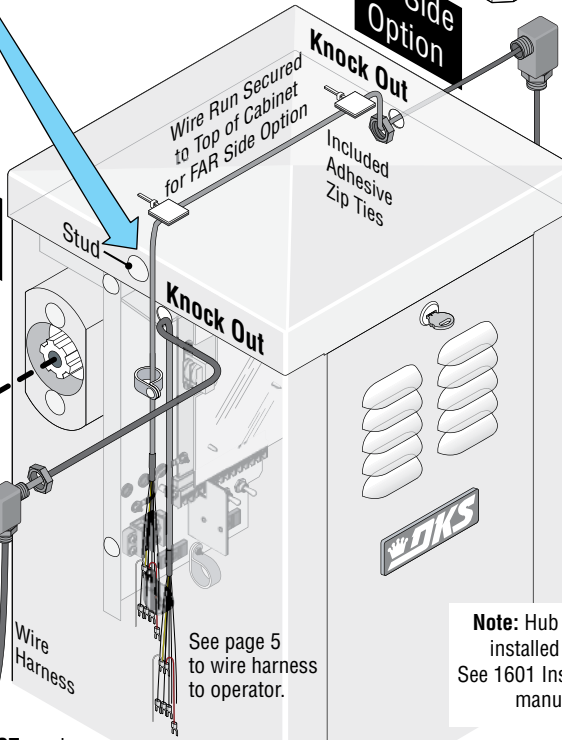
See page 4 for reverse edge adapters.

Cover

Adapter 1601-390

Blue and Red plugs are **NOT** used.

**Near Side Option**



Wire Run Secured to Top of Cabinet for FAR Side Option

Stud

**Knock Out**

**Knock Out**

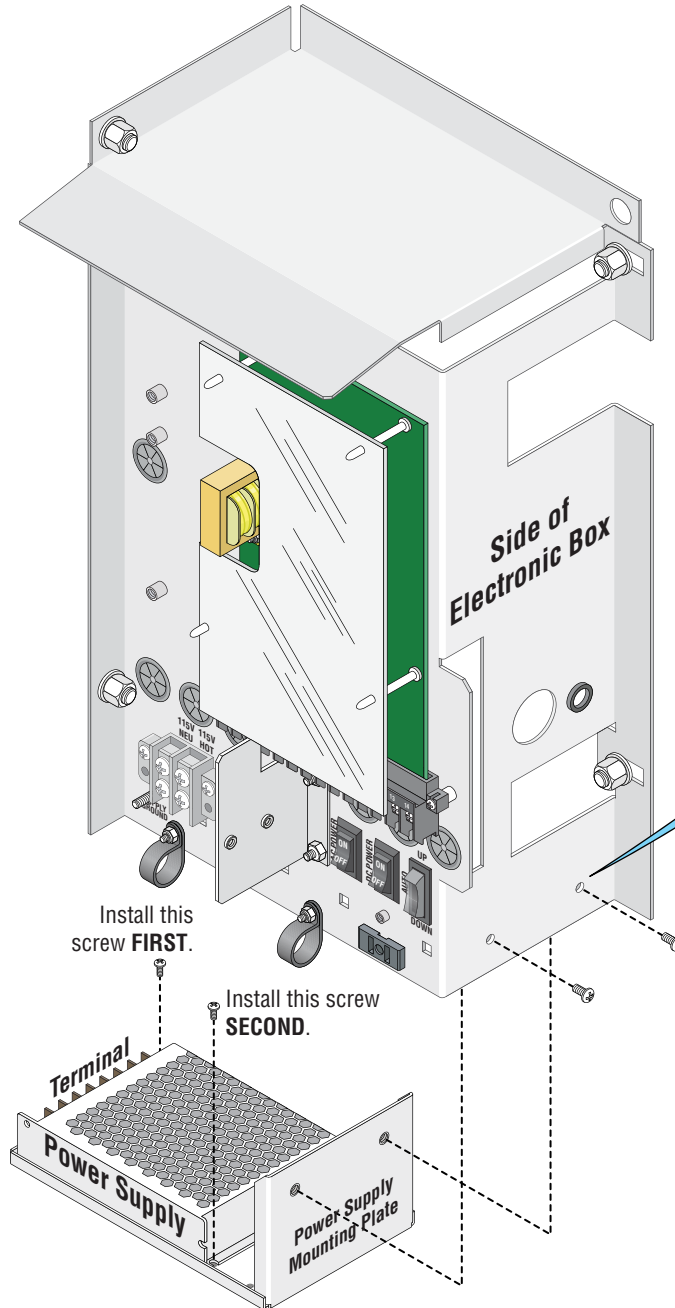
Included Adhesive Zip Ties

See page 5 to wire harness to operator.

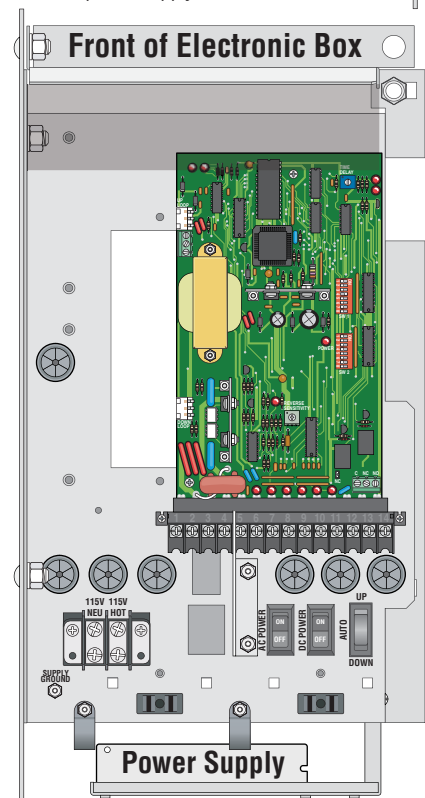
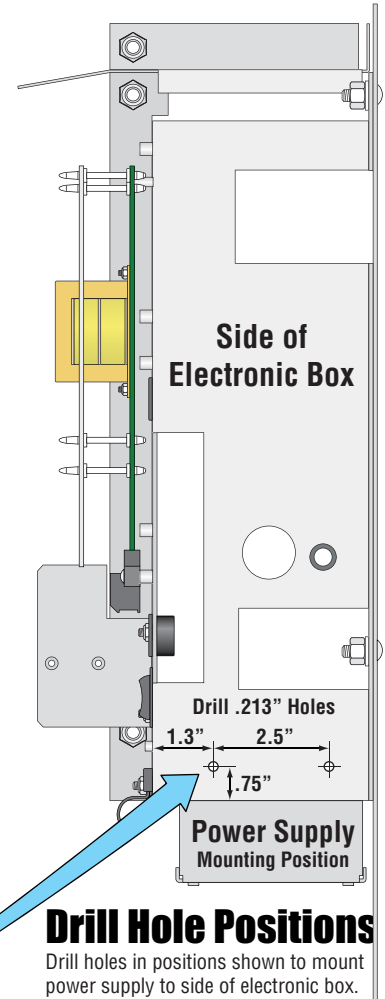
**Note:** Hub **MUST** already be installed on gate operator. See 1601 Installation/Owner's manual for correct hub installation.

# Mount Power Supply

**IMPORTANT:** Power supply **MUST** be wired **BEFORE** mounting it as shown. See page 5.



## Mount Power Supply



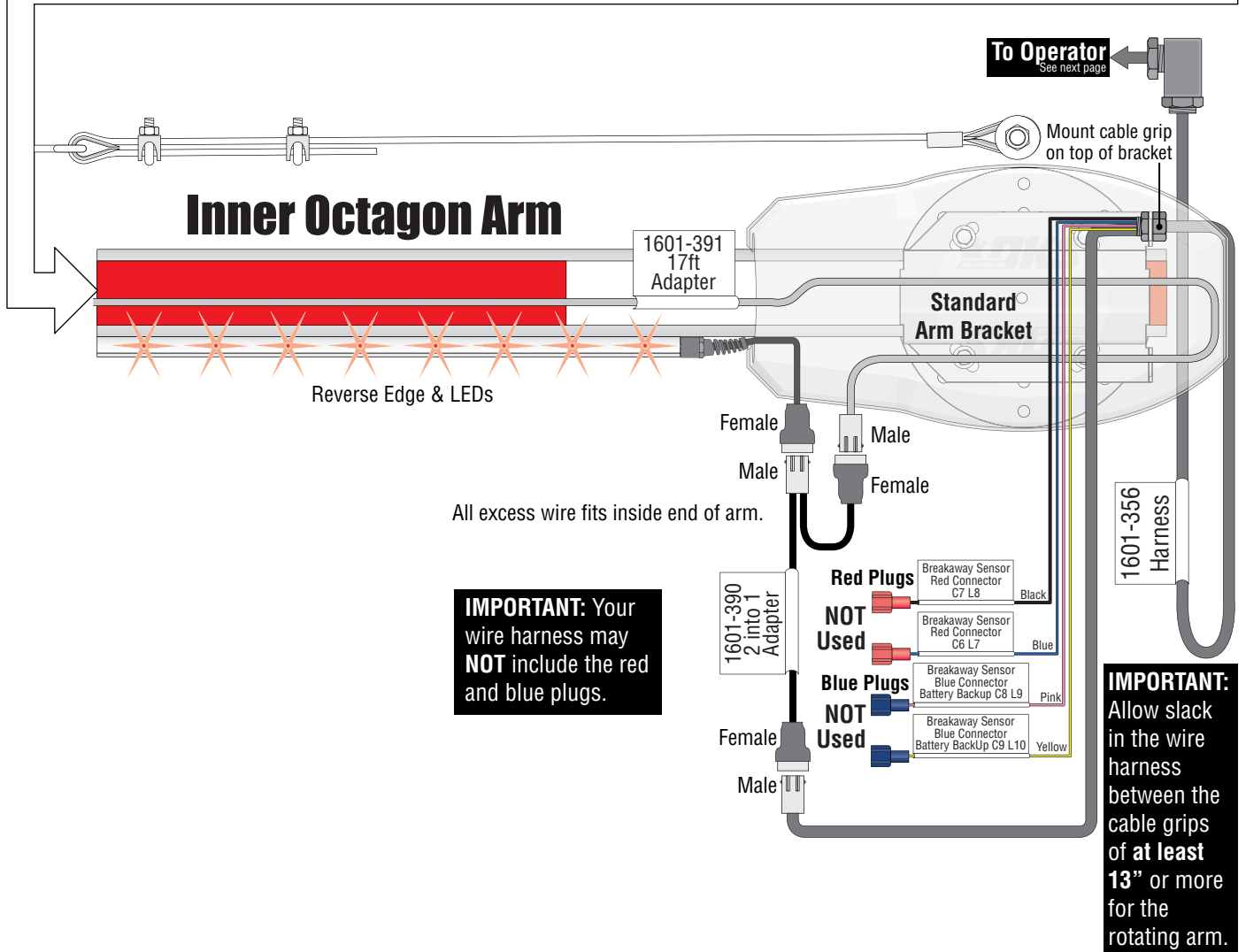
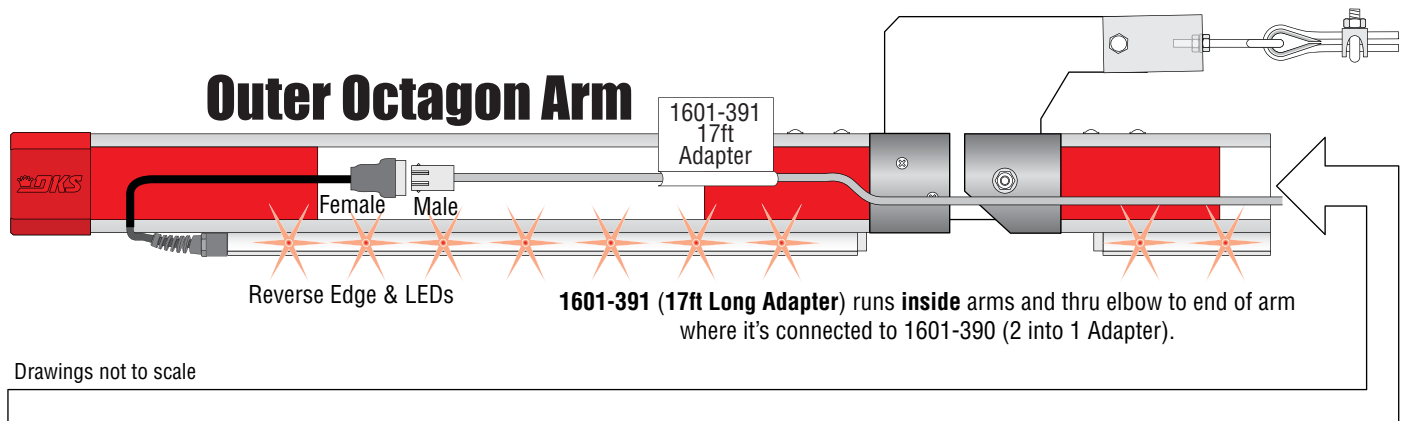
# Reverse Edge Folding Arm Connection

DoorKing Part Number:

**1601-822**

2-Reverse Edge & LEDs Kit

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



# Wiring Reverse Edge to Operator

DoorKing Part Number

**1601-822**

2-Reverse Edge & LEDs Kit

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

