STANDARD ARM BRACKET HARDWARE KITS

These kits are designed for all 1600 barrier gate operators. A reversing edge with **OR** without Red/Green LEDs for a **octagon** arm is sold separately and is **HIGHLY** recommended for safety.

DoorKing Part Numbers:

8080-235
Octagon Arm **WITH** Reverse Edge Hardware Kit

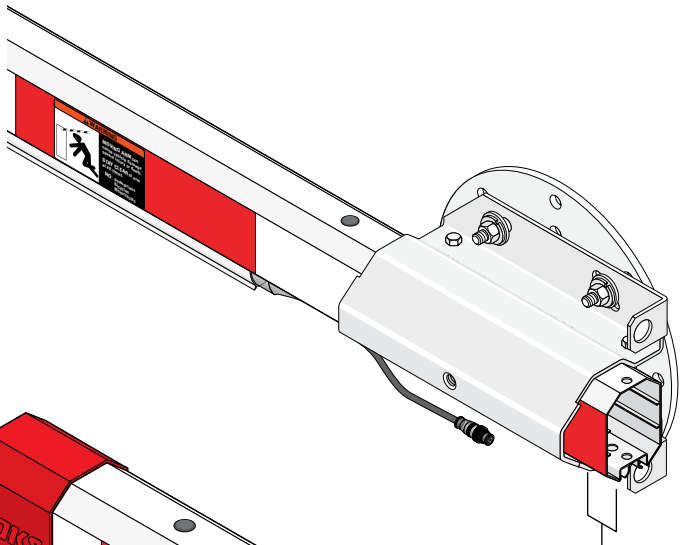
1601-242
Octagon/Round Arm **WITHOUT** Reverse Edge Hardware Kit

STANDARD Octagon Arm Bracket Installation Steps:

1 Install Standard Arm Bracket on Operator Hub (For 1601-242 kit or 8080-235 kit) 1
2 Install Wire Harness (ONLY when using 8080-235 kit) 2
3 Cable Run Options (ONLY when using 8080-235 kit) 2
4 Attach Wire Harness to Standard Bracket (ONLY when using 8080-235 kit) 2
5 Mount Power Supply (ONLY when using 8080-235 kit) 3
6 Octagon Arm - Wiring to Operator (ONLY when using 8080-235 kit) 4
- 14 Ft 2-Piece Arm Assembly (Optional) (Sold Separately) 5
- 14 Ft Reverse Edge / Red Green LED Installation (Optional) (Sold Separately) 6
- 14 Ft Rubber Bumper Installation (Optional) (Sold Separately) 7
- 17 Ft Octagon Arm Assembly for a 1602 ONLY (Optional) (Sold Separately) 8
  - 15 Ft Reverse Edge / Red Green LED Installation on 17 Ft Arm ONLY (Optional) (Sold Separately) 9

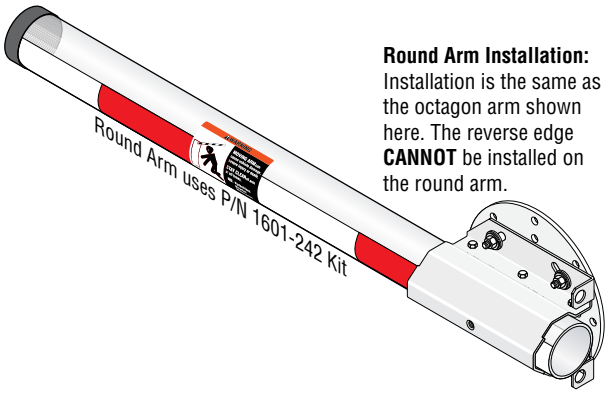
Older Existing Arm Plastic Cover Modification (If Necessary) 10

1 Install Standard Arm Bracket on Operator Hub



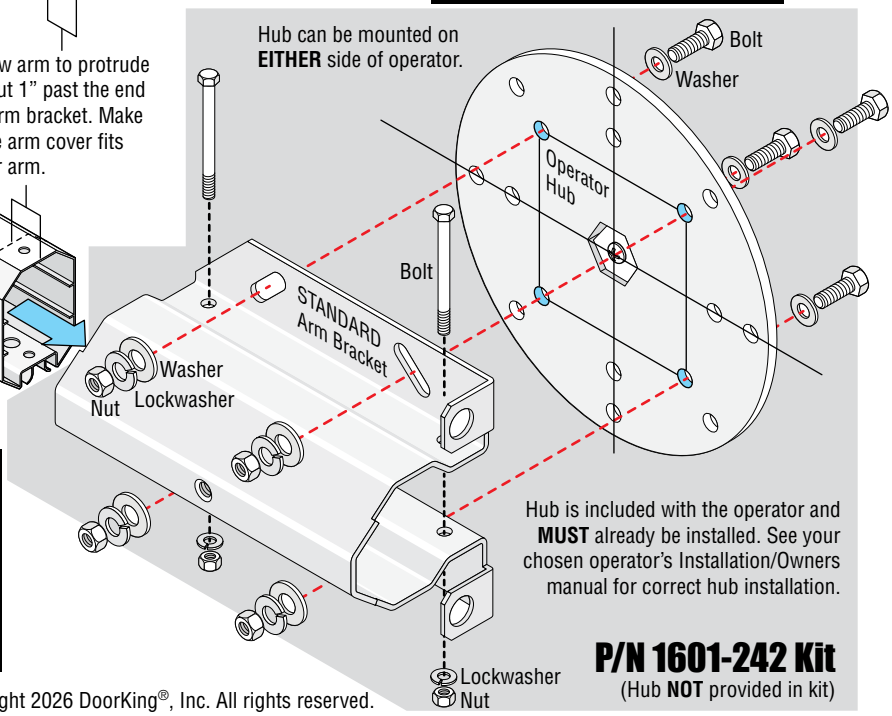
Drawings NOT to scale

Allow arm to protrude about 1" past the end of arm bracket. Make sure arm cover fits over arm.



Round Arm Installation: Installation is the same as the octagon arm shown here. The reverse edge **CANNOT** be installed on the round arm.

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



Hub is included with the operator and **MUST** already be installed. See your chosen operator's Installation/Owners manual for correct hub installation.

P/N 1601-242 Kit
(Hub **NOT** provided in kit)

Ocatgon Arm Options:

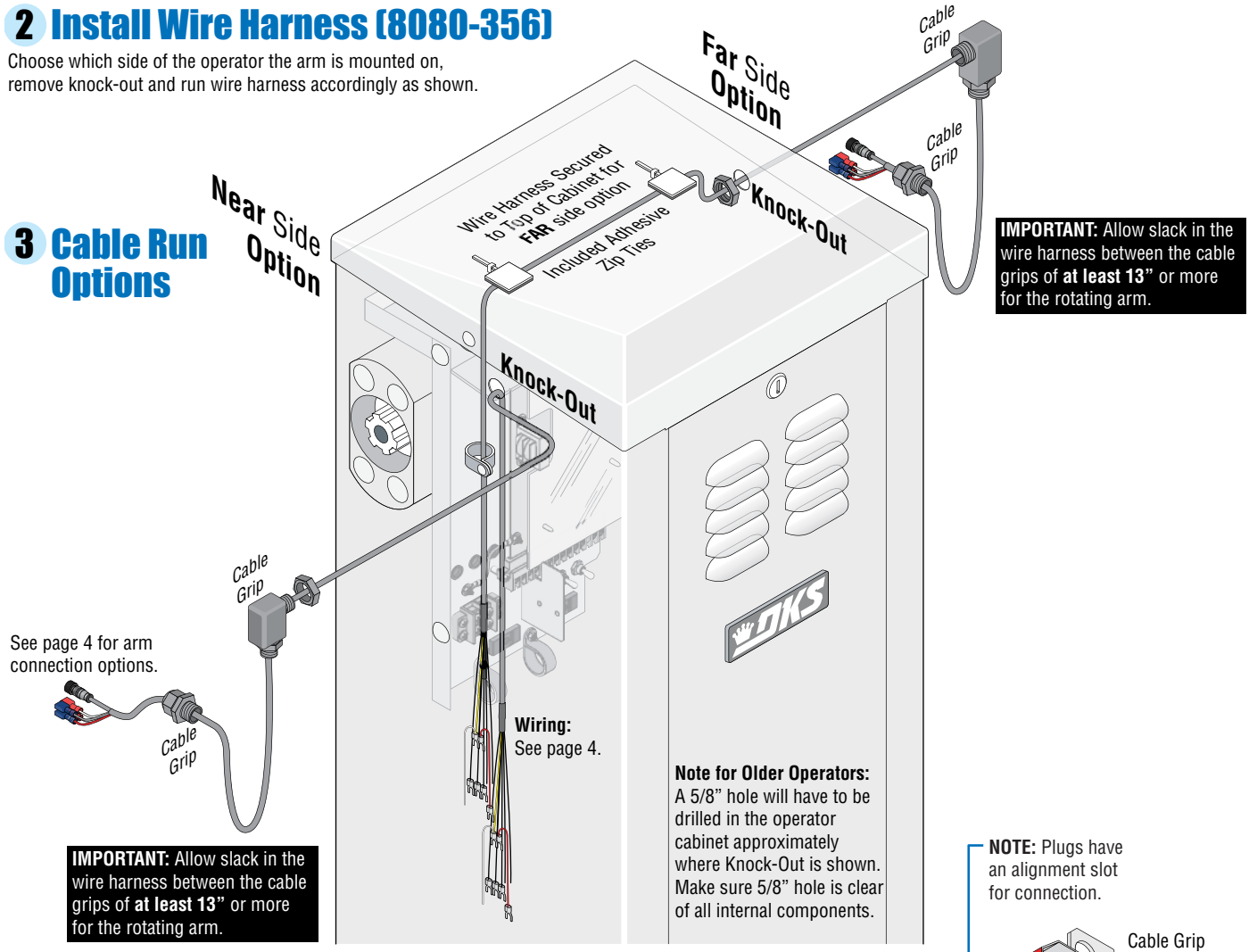
- 14 Ft 1-piece arm **has already been** assembled when used. See pages 6 or 7 for more information.
- 14 Ft 2-piece arm **has already been** assembled when used. See pages 5 and 6 or 7 for more information.
- 17 Ft arm **has already been** assembled when used. See pages 8 and 9 for more information.

Copyright 2026 DoorKing®, Inc. All rights reserved.

2 Install Wire Harness (8080-356)

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

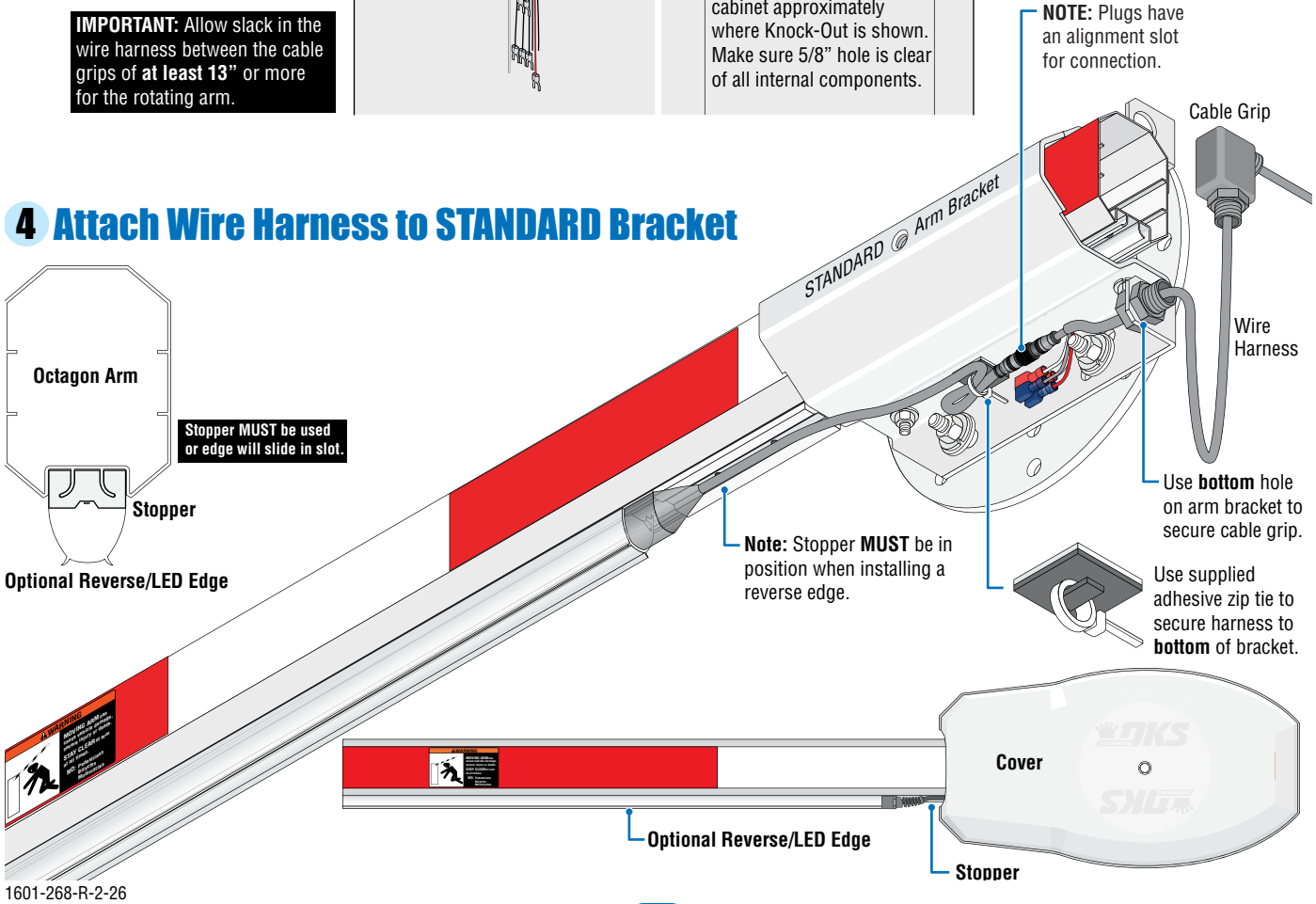
3 Cable Run Options



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

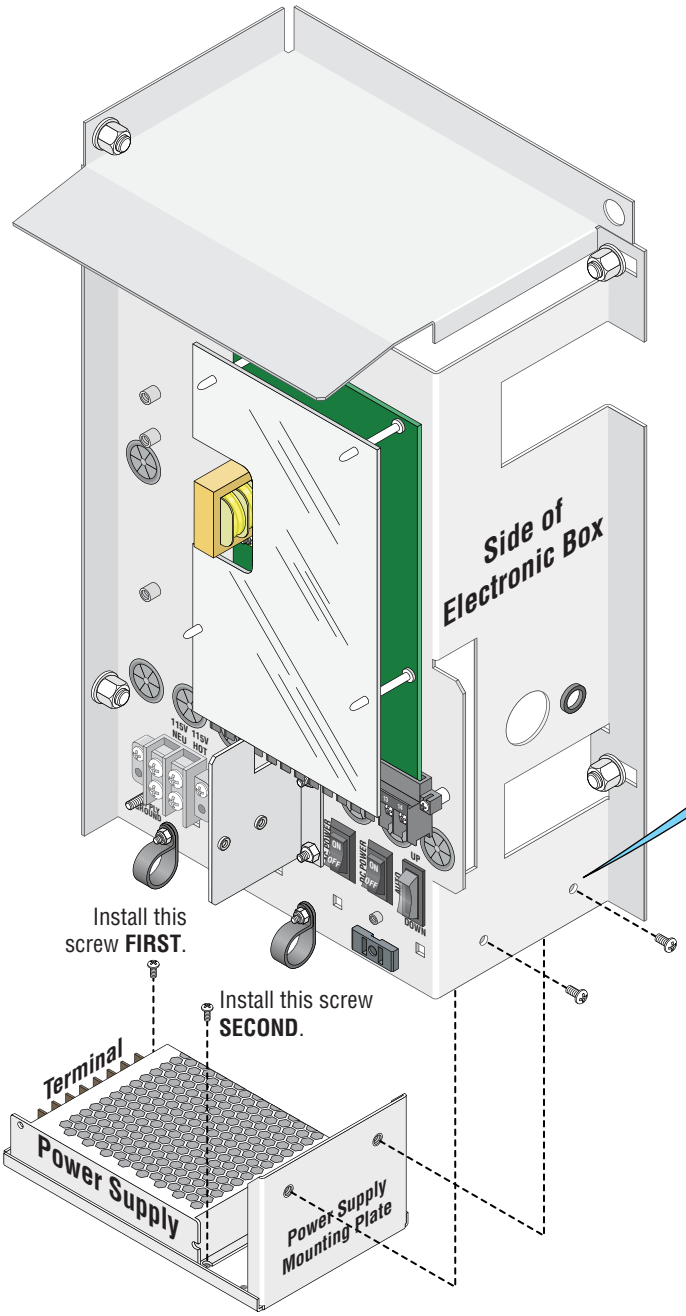
IMPORTANT: Allow slack in the wire harness between the cable grips of **at least 13"** or more for the rotating arm.

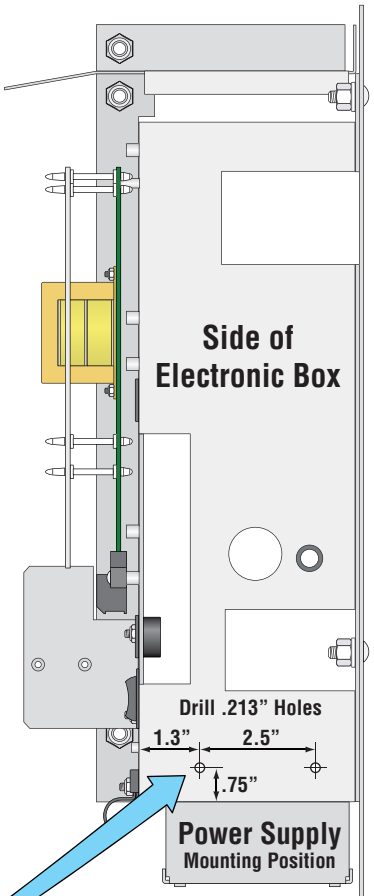
4 Attach Wire Harness to STANDARD Bracket



1601-268-R-2-26

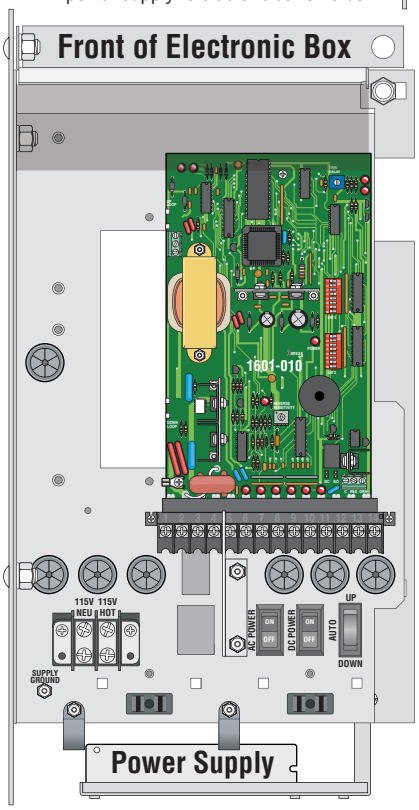
5 Mount Power Supply





Drill Hole Positions

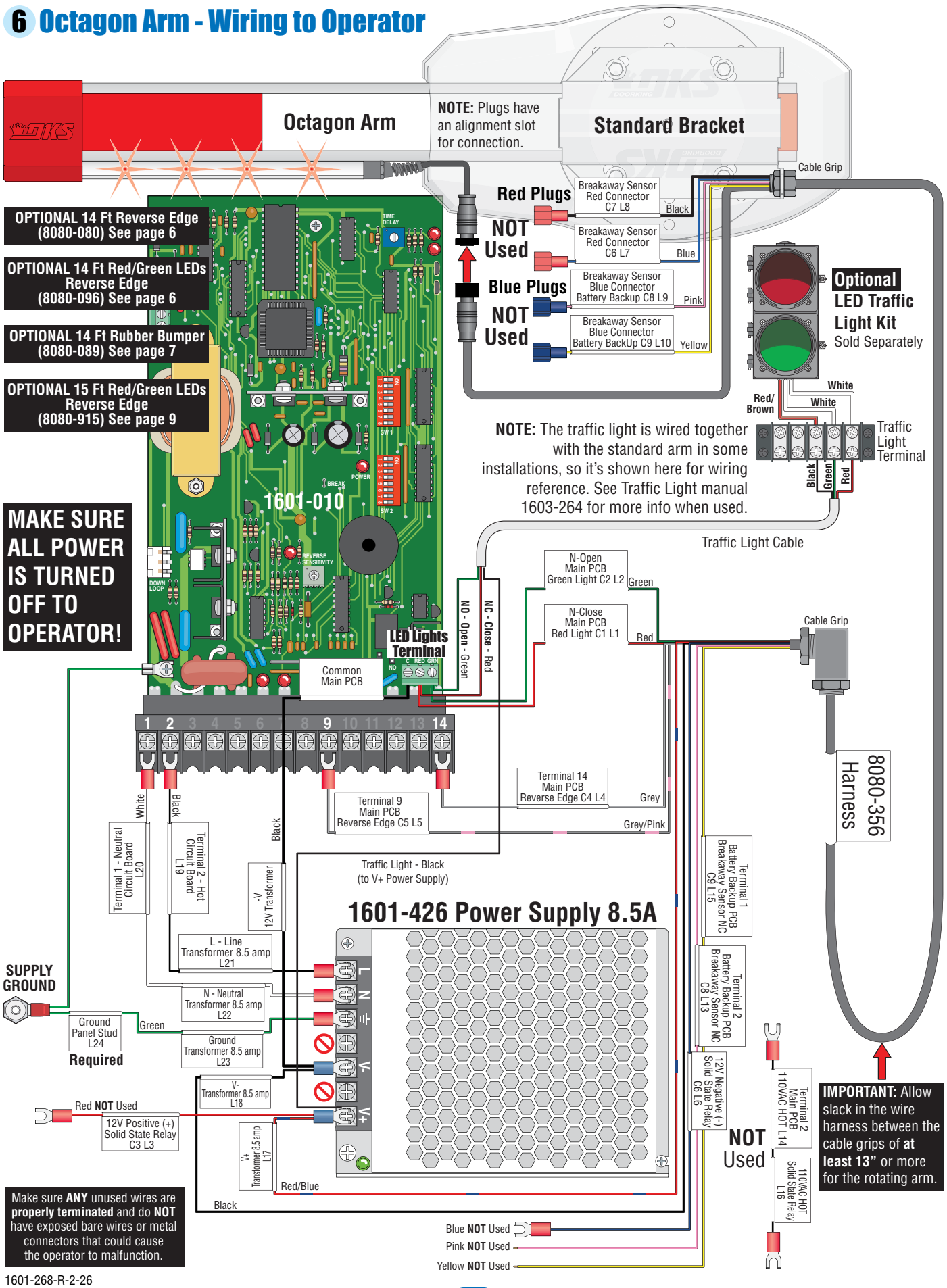
Drill holes in positions shown to mount power supply to side of electronic box.



Mount Power Supply

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

6 Octagon Arm - Wiring to Operator



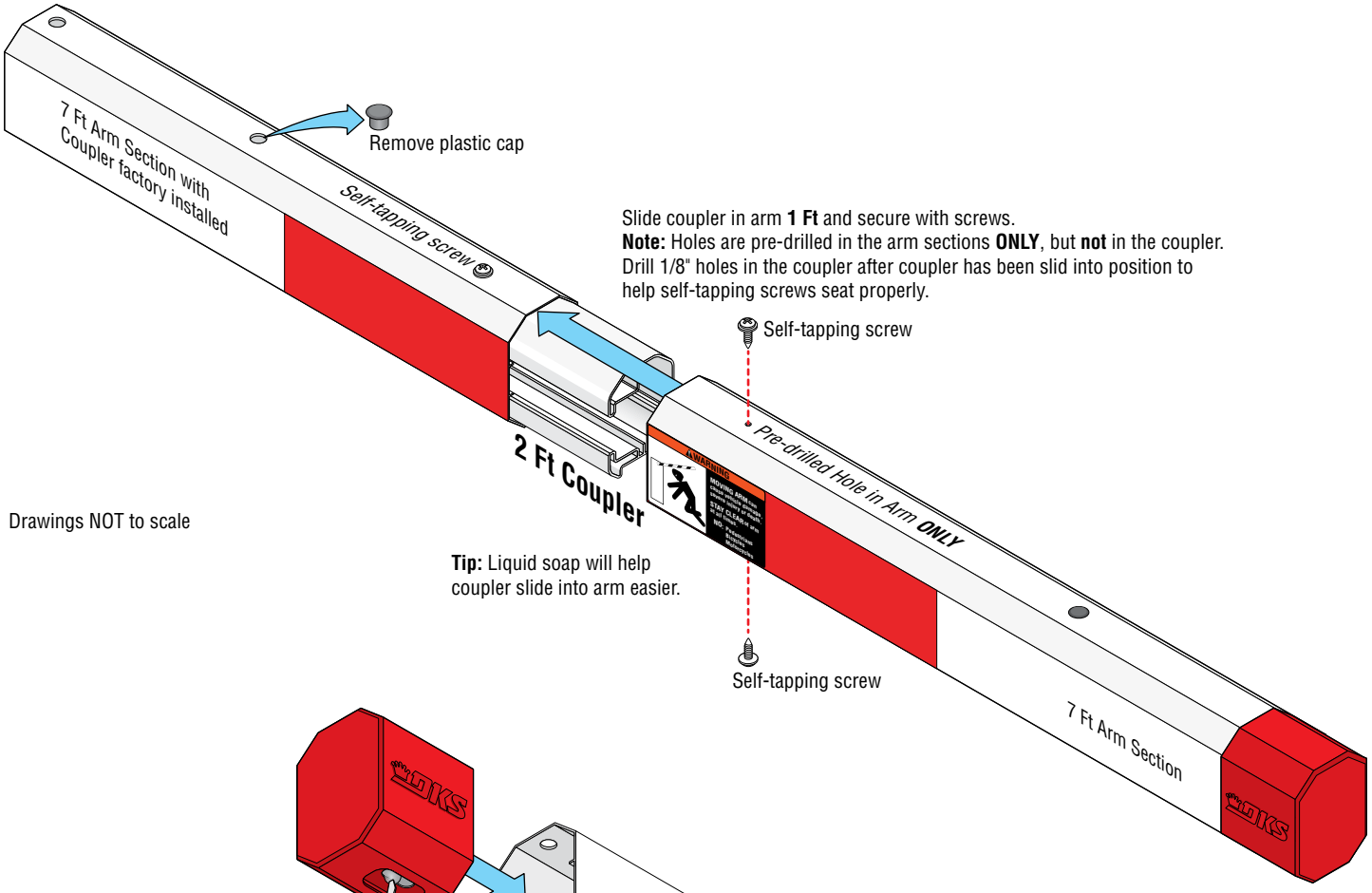
1601-268-R-2-26

14 Ft 2-Piece Octagon Arm Assembly

DoorKing Part Number
1601-567
14 Ft 2-Piece Octagon Arm Kit

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

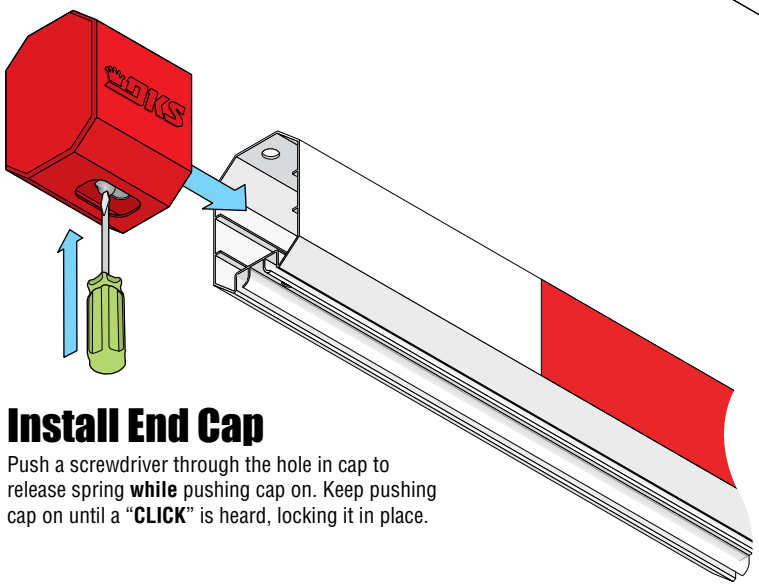
Assemble 2-Piece Arm



Drawings NOT to scale

Slide coupler in arm **1 Ft** and secure with screws.
Note: Holes are pre-drilled in the arm sections **ONLY**, but **not** in the coupler. Drill 1/8" holes in the coupler after coupler has been slid into position to help self-tapping screws seat properly.

Tip: Liquid soap will help coupler slide into arm easier.



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.

14 Ft Reverse Edge / Red Green LED Installation

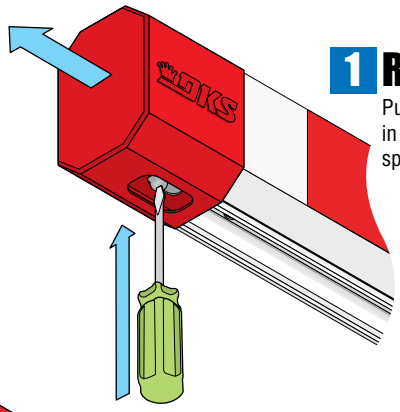
DoorKing Part Numbers
8080-080
14 Ft Reverse Edge
8080-096
14 Ft Reverse Edge + Red/Green LED

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

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

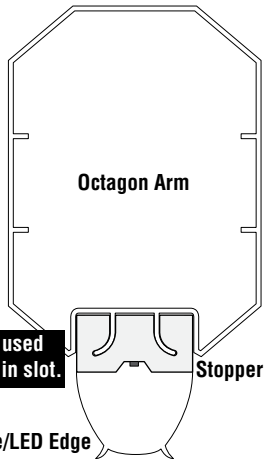
Installation

Drawings NOT to scale

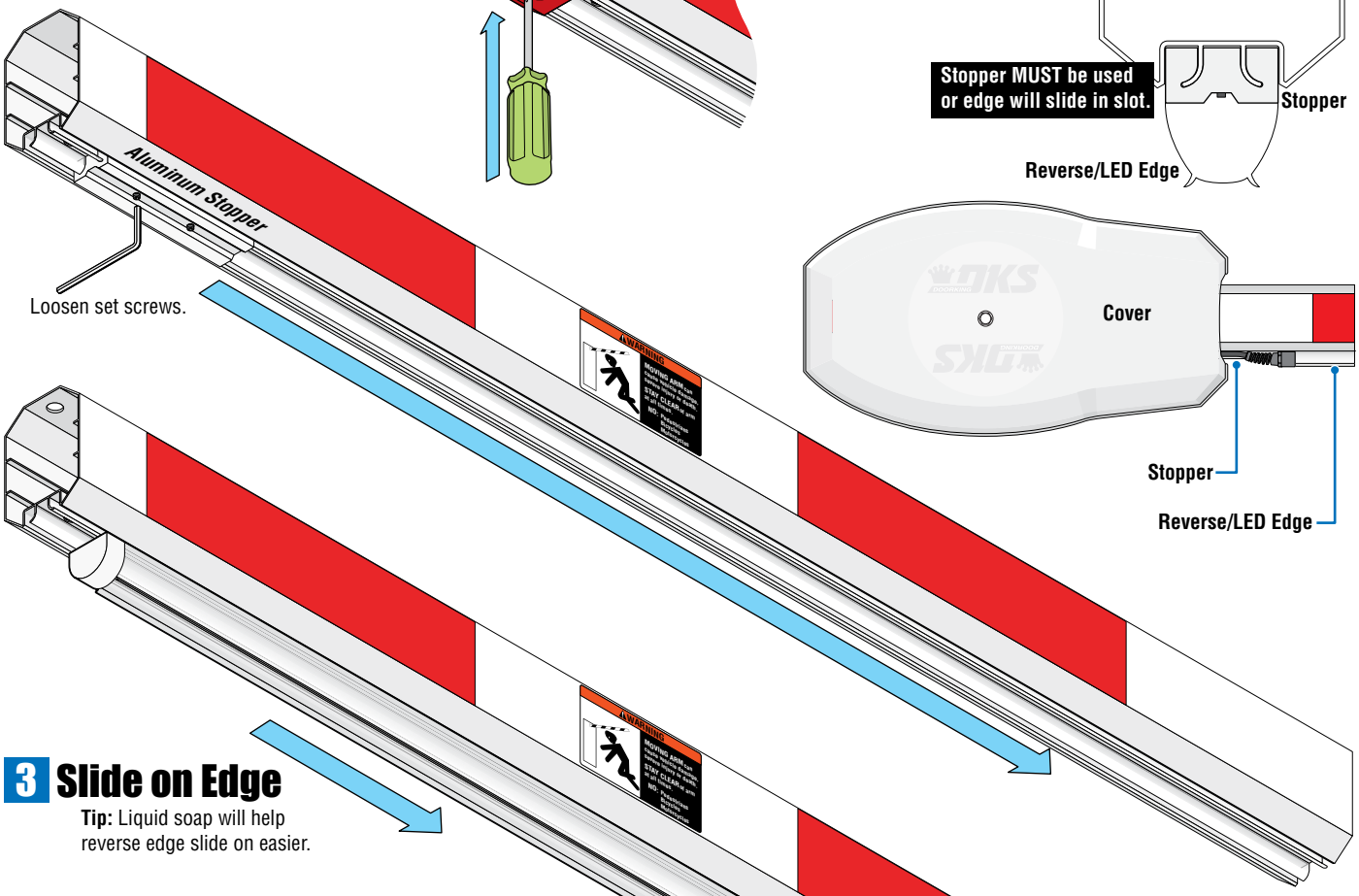


1 Remove End Cap

Push a screwdriver through hole in bottom of end cap to release spring **while** pulling cap off.



2 Slide on Stopper

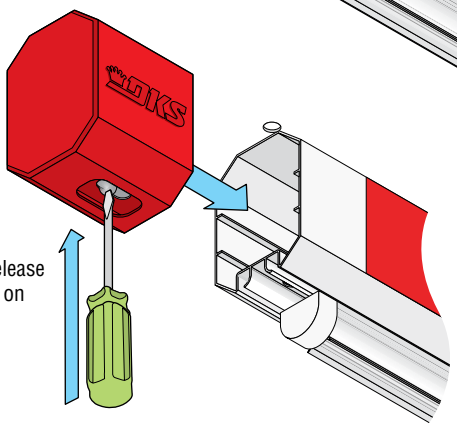


3 Slide on Edge

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

4 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.



14 Ft Rubber Bumper Installation

DoorKing Part Number
8080-089
14 Ft Rubber Bumper

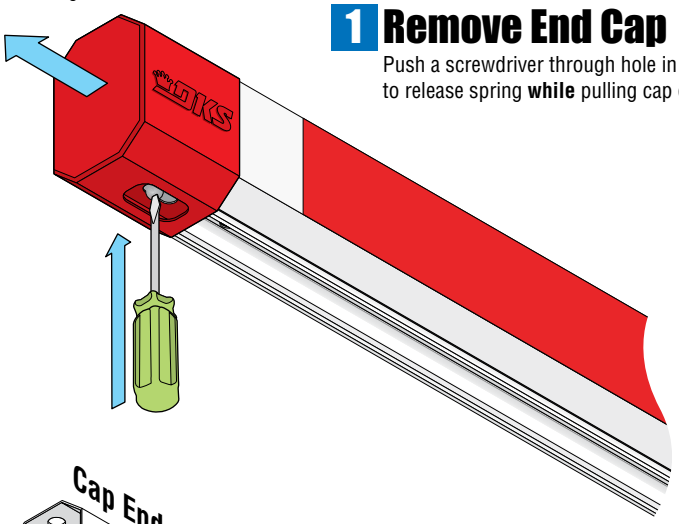
This rubber bumper is designed to install on a 14 ft 1-piece **or** 2-piece **octagon arm** (not included) for a 1601/1603 barrier gate operator.
It **CANNOT** be used with a 1602 operator.

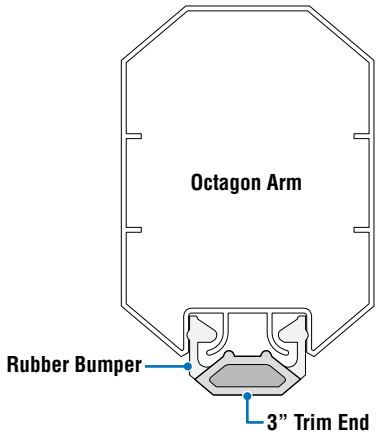
Installation

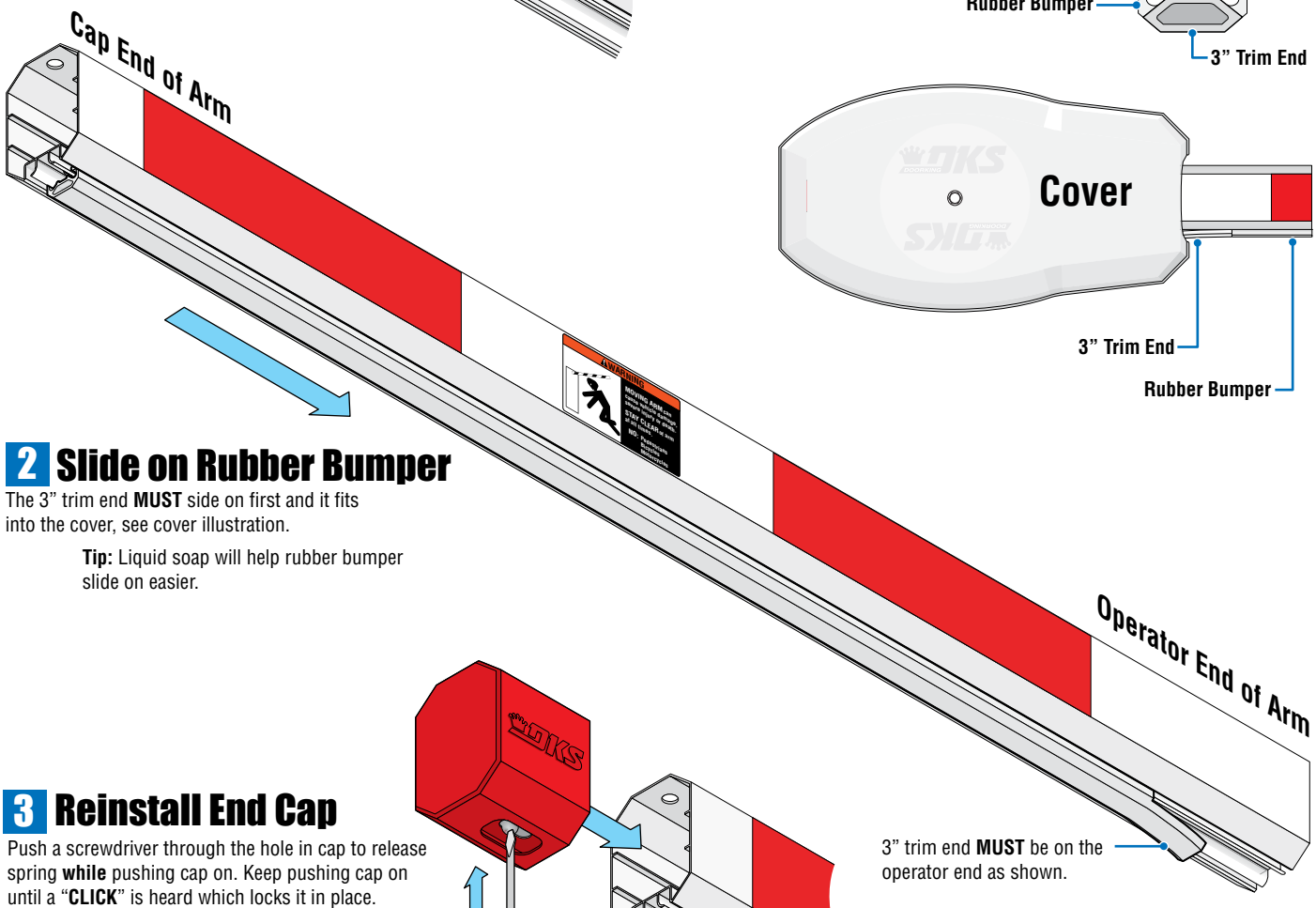
Drawings NOT to scale

1 Remove End Cap

Push a screwdriver through hole in bottom of end cap to release spring **while** pulling cap off.







2 Slide on Rubber Bumper

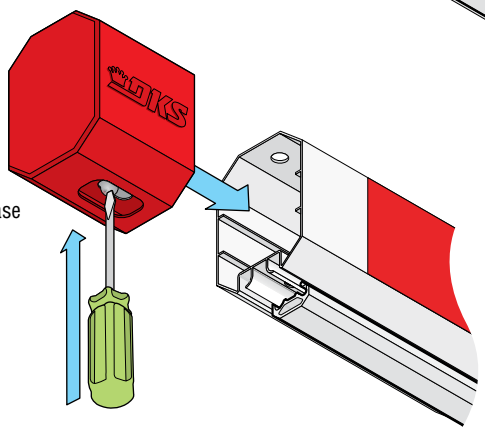
The 3" trim end **MUST** side on first and it fits into the cover, see cover illustration.

Tip: Liquid soap will help rubber bumper slide on easier.

3" trim end **MUST** be on the operator end as shown.

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.



17 Ft Octagon Arm Assembly for a 1602 ONLY

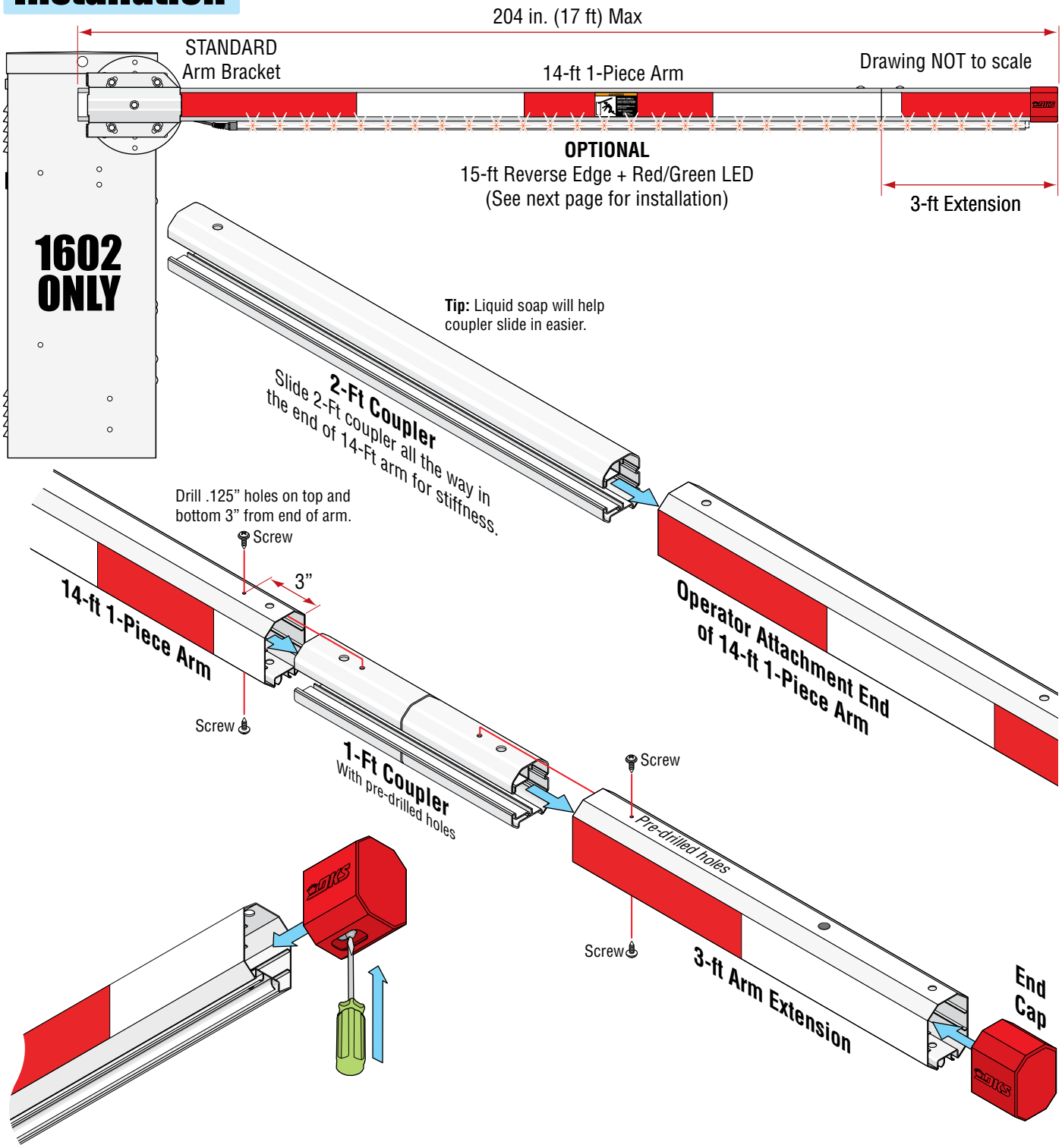
This kit is designed for a **1602** barrier gate operator **ONLY.** It **CANNOT** be used with 1601 barrier **OR** 1603 auto-spikes barrier operators. It will extend a 14 ft octagonal arm an **extra three feet**. The reverse edge is sold separately but **highly recommended** for safety when lowering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

DoorKing Part Numbers:

1602-303
Octagon Arm 3-ft Extension Kit

8080-915
15-ft Reverse Edge + Red/Green LED
(Sold Separately
See next page)

Installation



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.

1601-268-R-2-26

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

DoorKing Part Number:
8080-915
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.

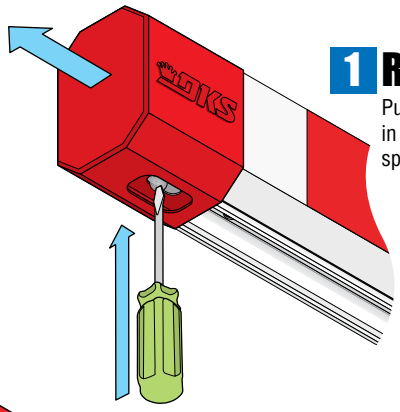
Note: DO NOT operate arm with a malfunctioning reverse edge.

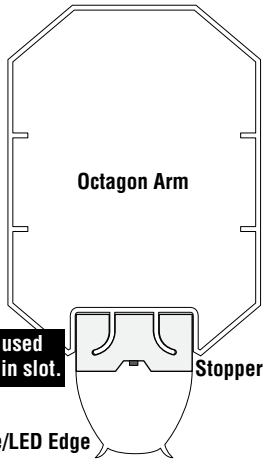
Installation

Drawings NOT to scale

1 Remove End Cap

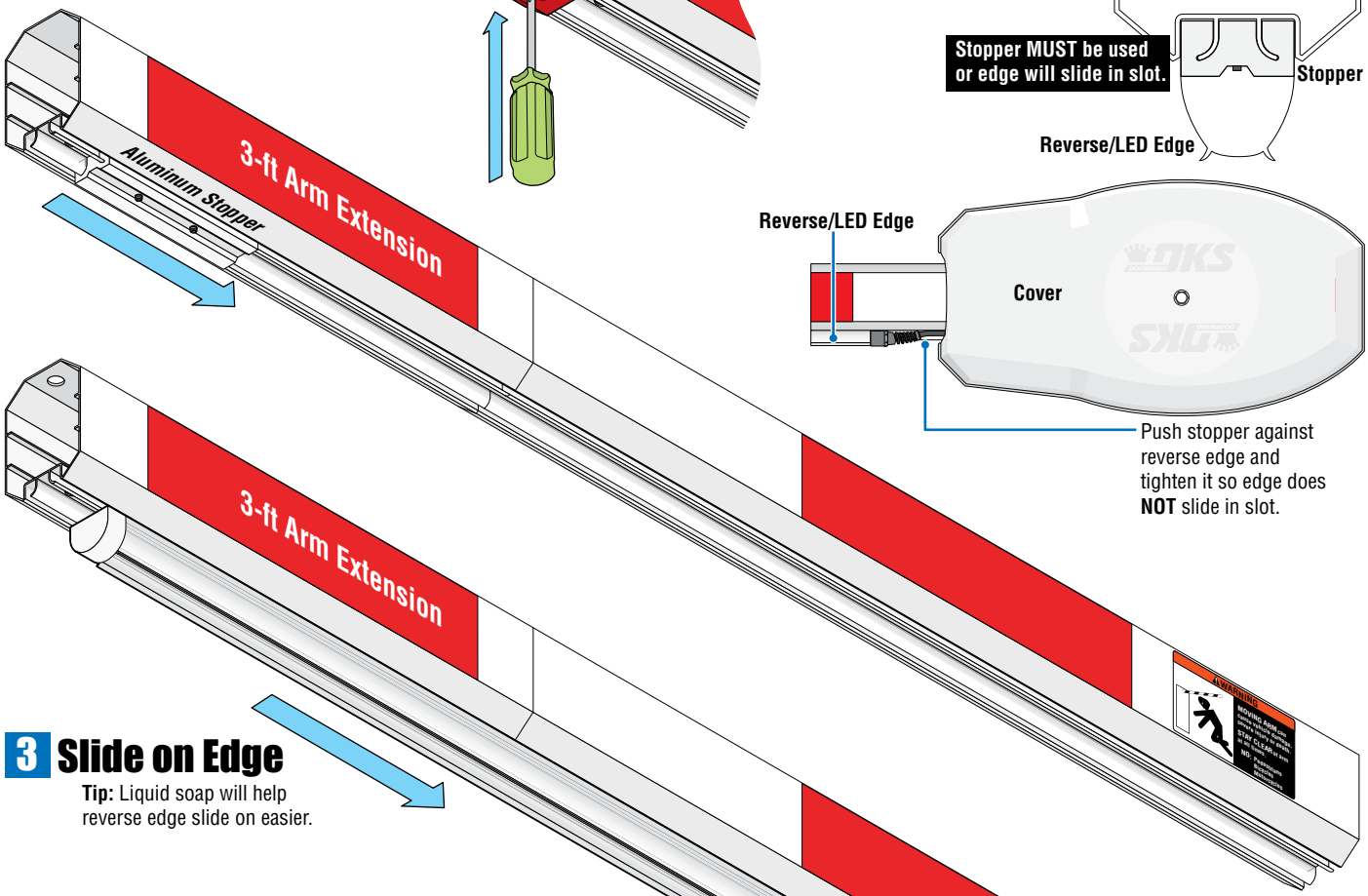
Push a screwdriver through hole in bottom of end cap to release spring **while** pulling cap off.





2 Slide on Stopper

Loosen set screws.



Push stopper against reverse edge and tighten it so edge does **NOT** slide in slot.

3 Slide on Edge

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

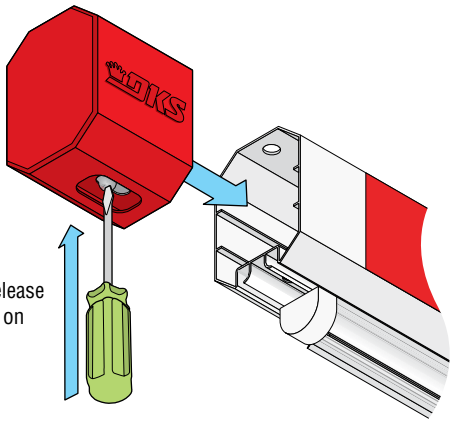
Tighten set screws.

Stopper MUST be used or edge will slide in slot.

Plug connects to the 8080-356 wire harness. see page 4.

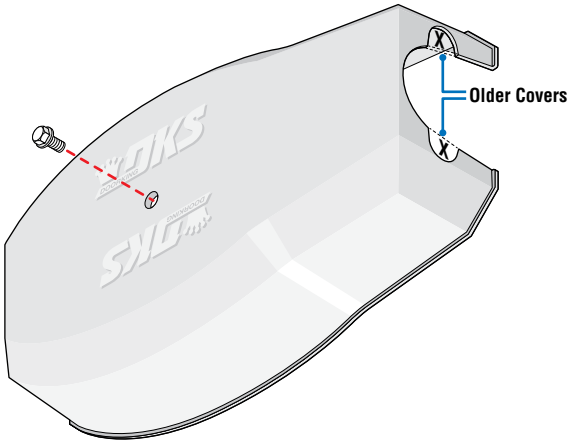
4 Reinstall End Cap

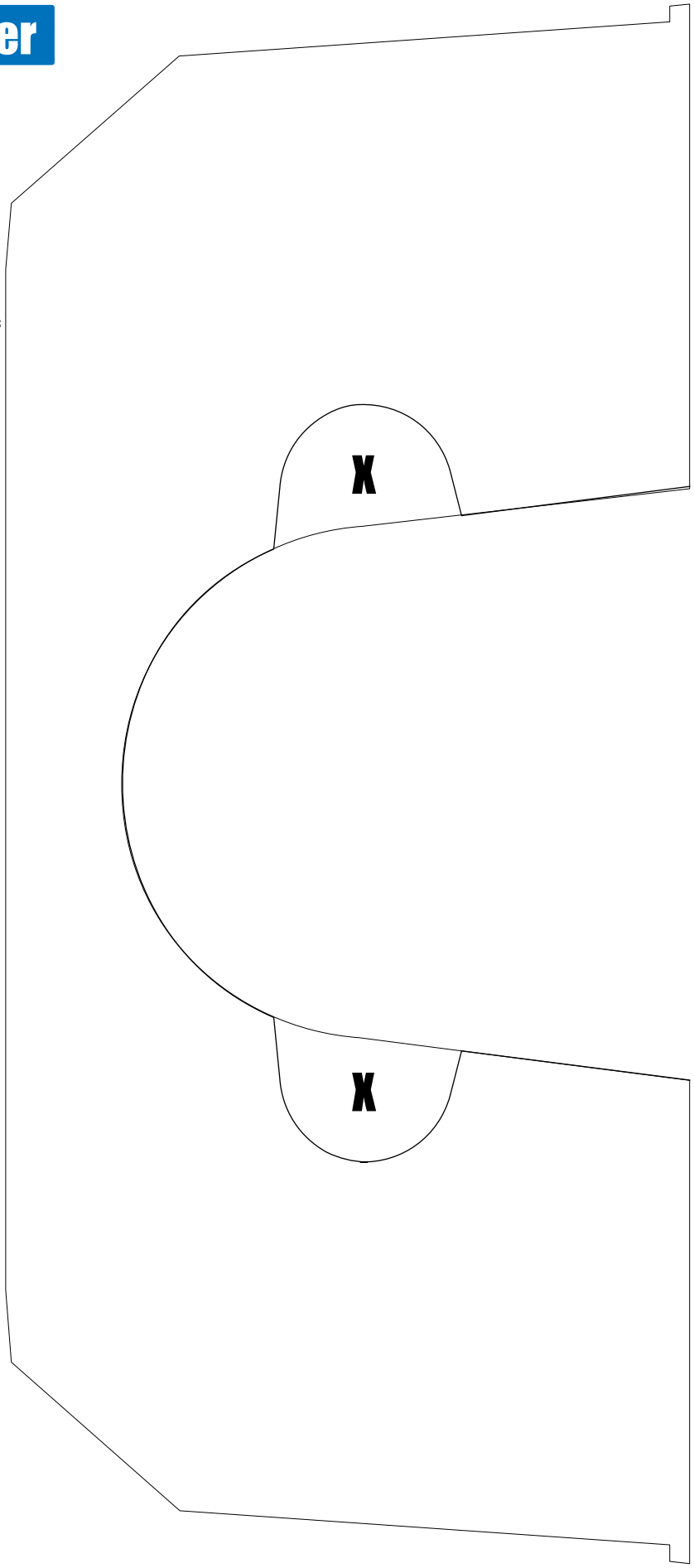
Push a screwdriver through the hole in cap to release spring **while** pushing cap on. Keep pushing cap on until a "**CLICK**" is heard which locks it in place.



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.





Make sure your printer is set to 100%

1601-268-R-2-26