

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

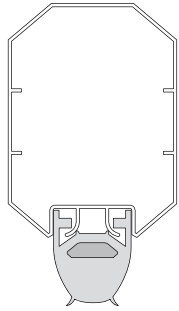
8080-922

2-Reverse Edge & LEDs Kit

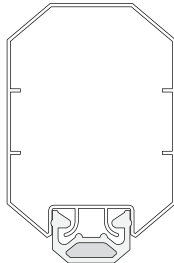
8080-089

Rubber Bumper

General Layout



Reverse Edge & LEDs



Rubber Bumper

Tip: Liquid soap will help edges slide on easier.

LED Arm Raised - Green Lights



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

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

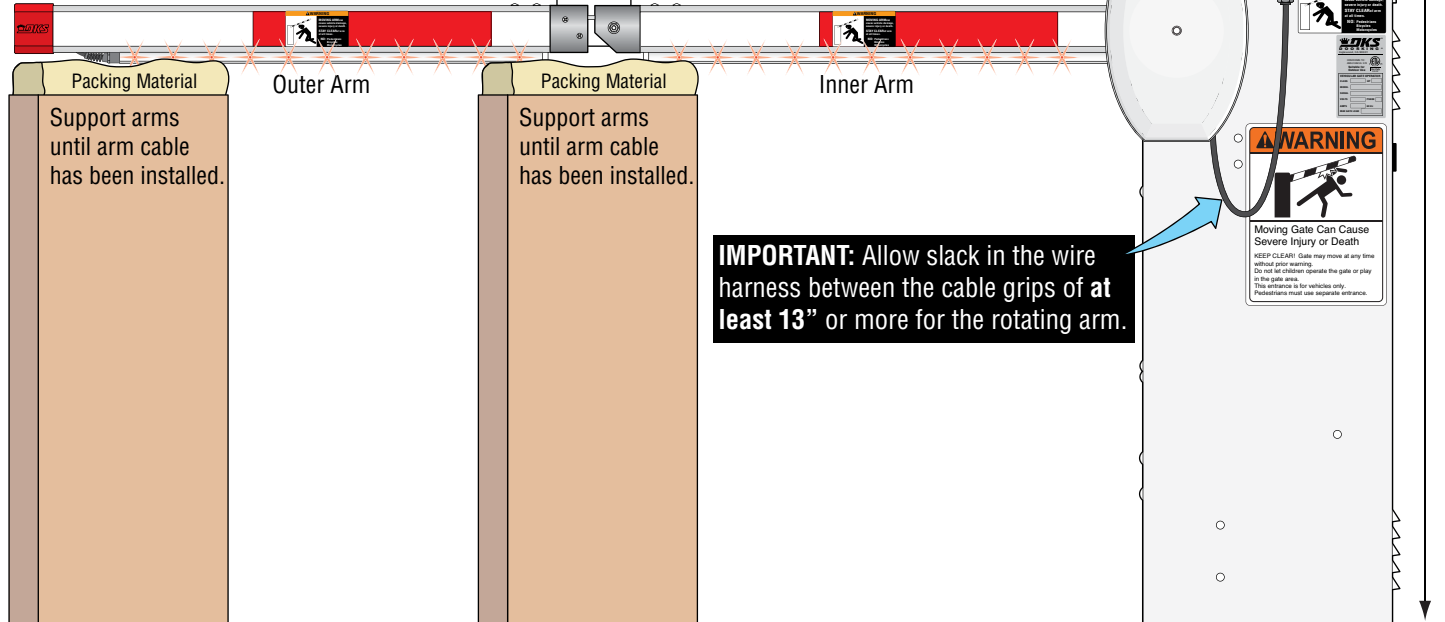
1601:
109"

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

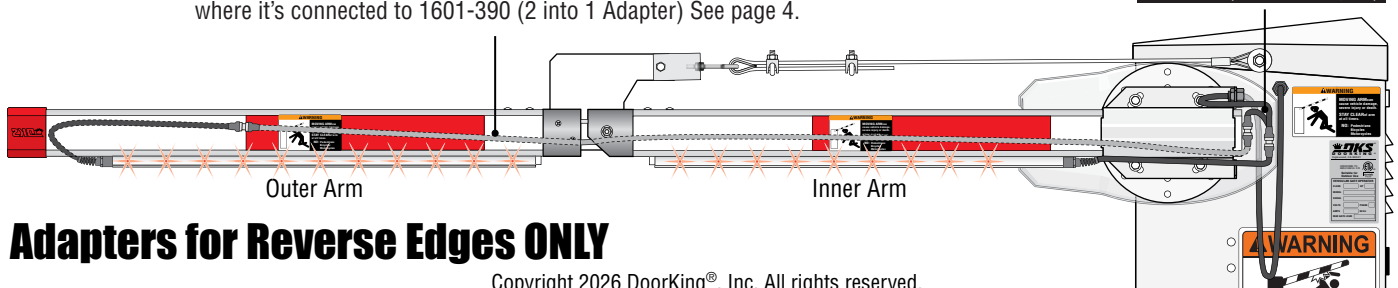
Drawings not to scale



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

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Installation Guidelines

DoorKing Part Numbers:

1601-812

2-6ft Folding Octagon Arms

1601-242

Standard Mount Hardware Kit

8080-922

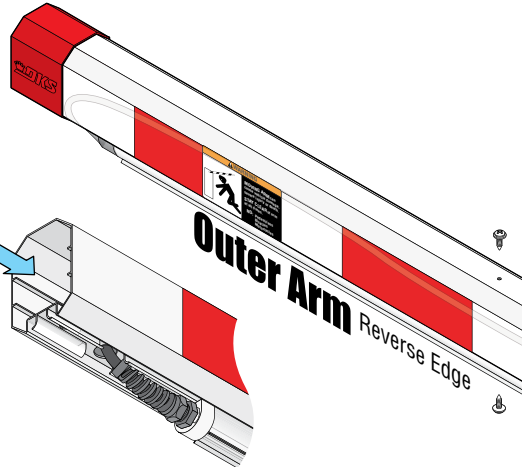
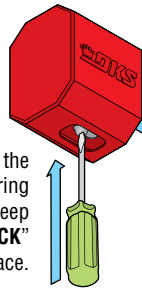
2-Reverse Edge & LEDs Kit

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.

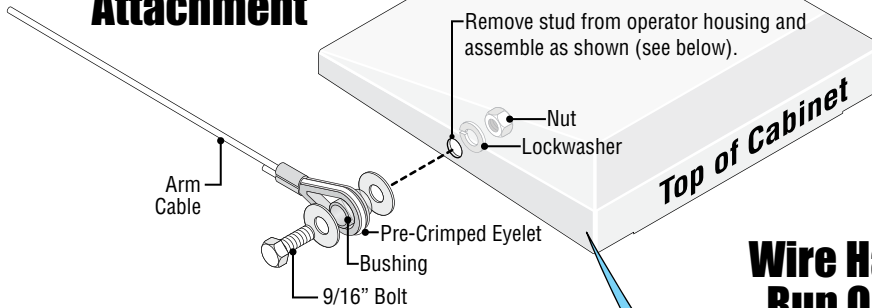


Self-Tapping Screws through **Pre-Drilled Holes** in Top and Bottom of **EACH** Arm.

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

Nut
Lockwasher

Arm Cable

Pre-Crimped Eyelet
Bushing
9/16" Bolt

Top of Cabinet

Wire Harness Run Options

(Wire Harness 8080-356)

Far Side Option

Reverse Edge
Inner Arm
End of Cable
IMPORTANT: Arm Cable **MUST** be clamped as shown.

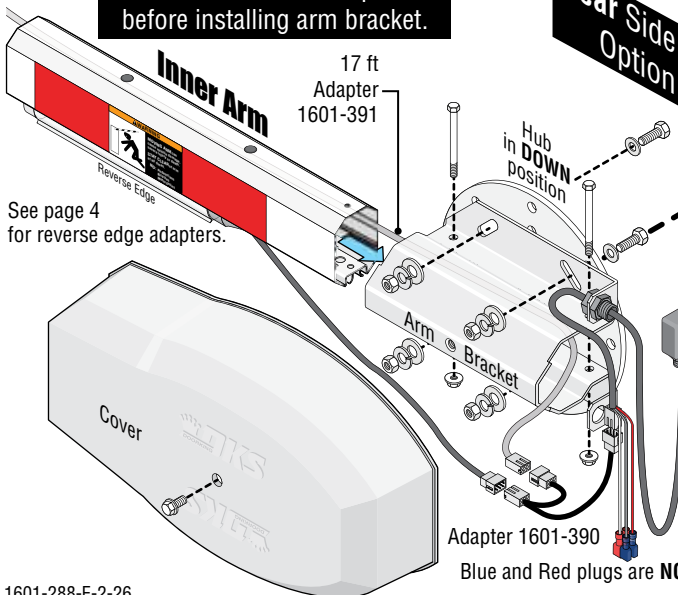
Cable Grip

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.

Near Side Option



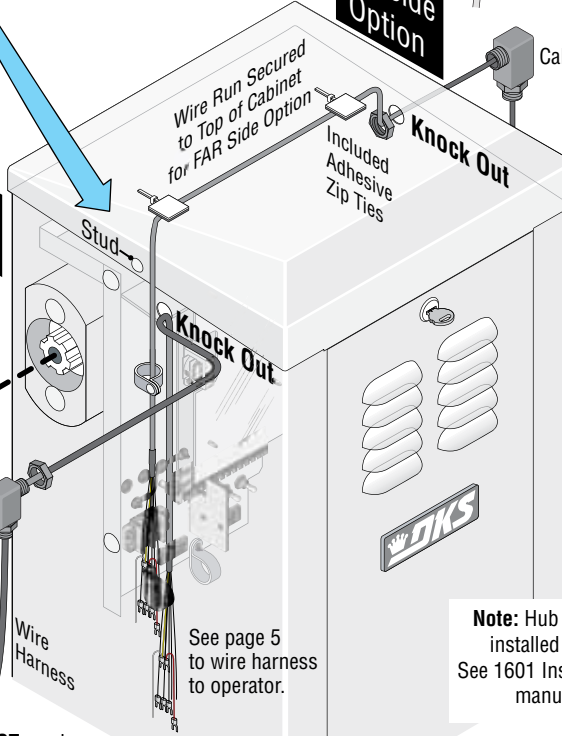
See page 4 for reverse edge adapters.

17 ft Adapter 1601-391

Hub in DOWN position

Adapter 1601-390

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



Wire Run Secured to Top of Cabinet for FAR Side Option
Included Adhesive Zip Ties
Knock Out

See page 5 to wire harness to operator.

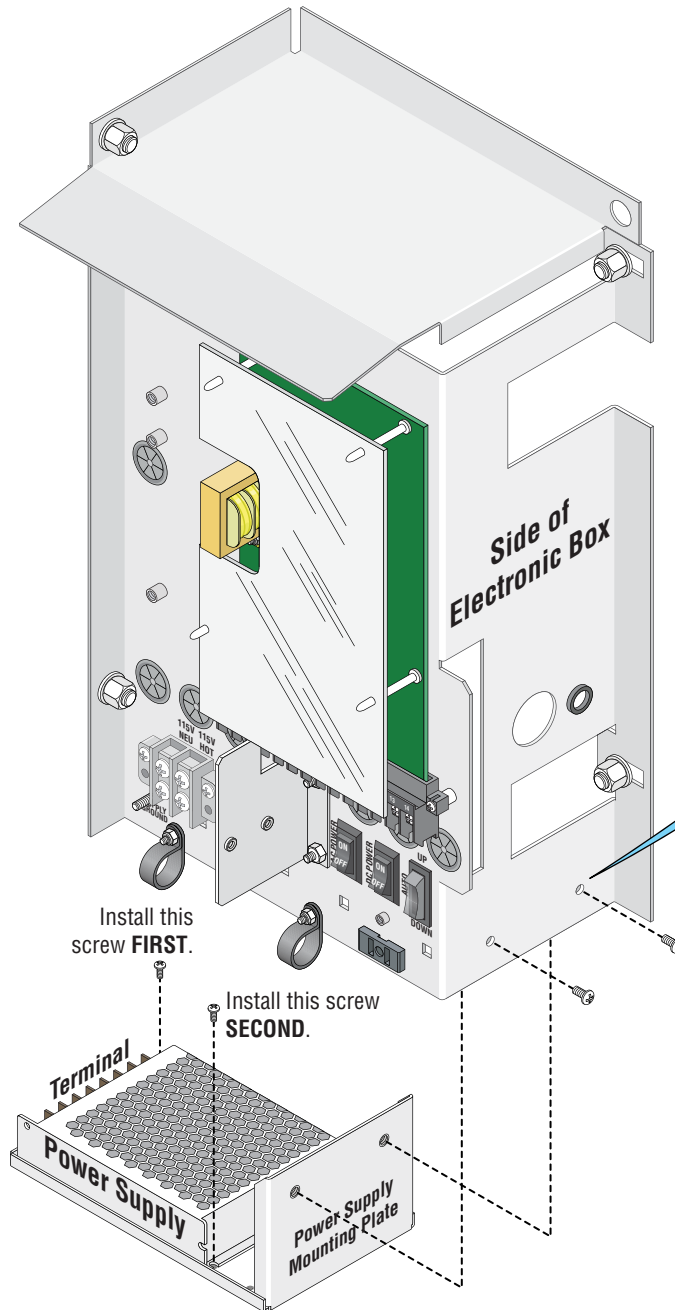
Note: Hub **MUST** already be installed on gate operator. See 1601 Installation/Owner's manual for correct hub installation.

Mount Power Supply

DoorKing Part Number:

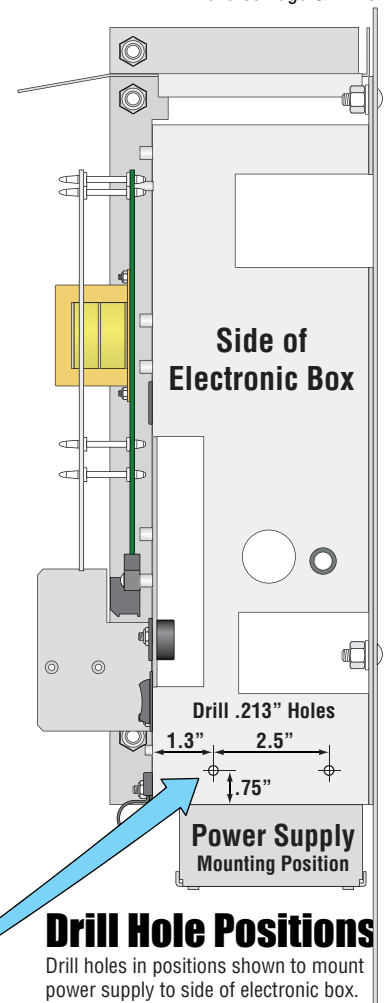
8080-922

2-Reverse Edge & LEDs Kit



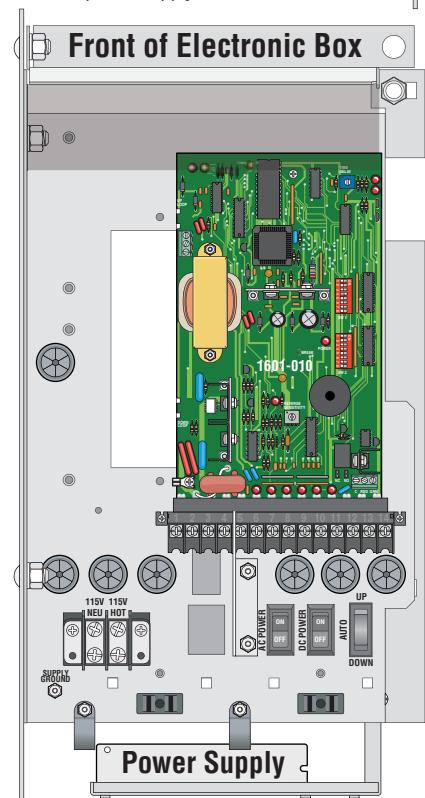
Mount Power Supply

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



Drill Hole Positions

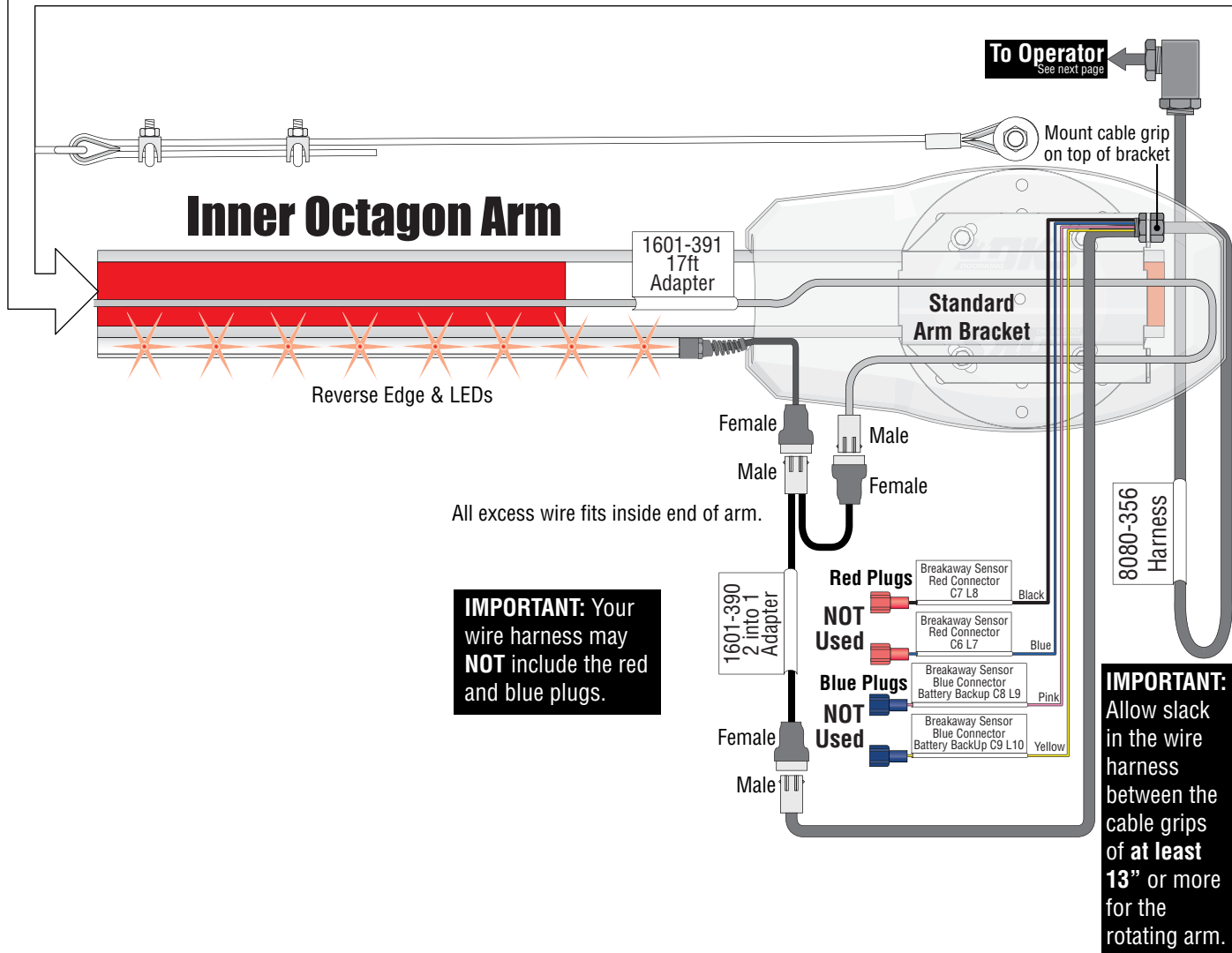
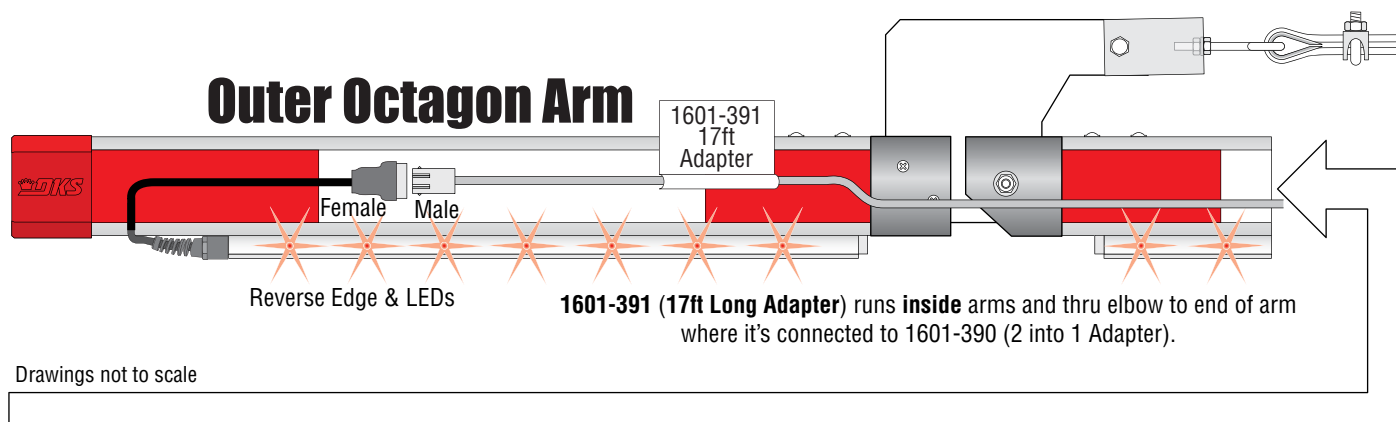
Drill holes in positions shown to mount power supply to side of electronic box.



Reverse Edge Folding Arm Connection

DoorKing Part Number:
8080-922
 2-Reverse Edge & LEDs Kit

MAKE SURE ALL POWER IS TURNED OFF TO OPERATOR!



DoorKing Part Number
8080-922
2-Reverse Edge & LEDs Kit

NOTE: The traffic light is wired together with the folding arm in some installations, so it's shown here for wiring reference. See Traffic Light manual 1603-264 for more info when used.

Optional
LED Traffic
Light Kit
Sold Separately

