

3-PIECE ALUMINUM ARM KIT

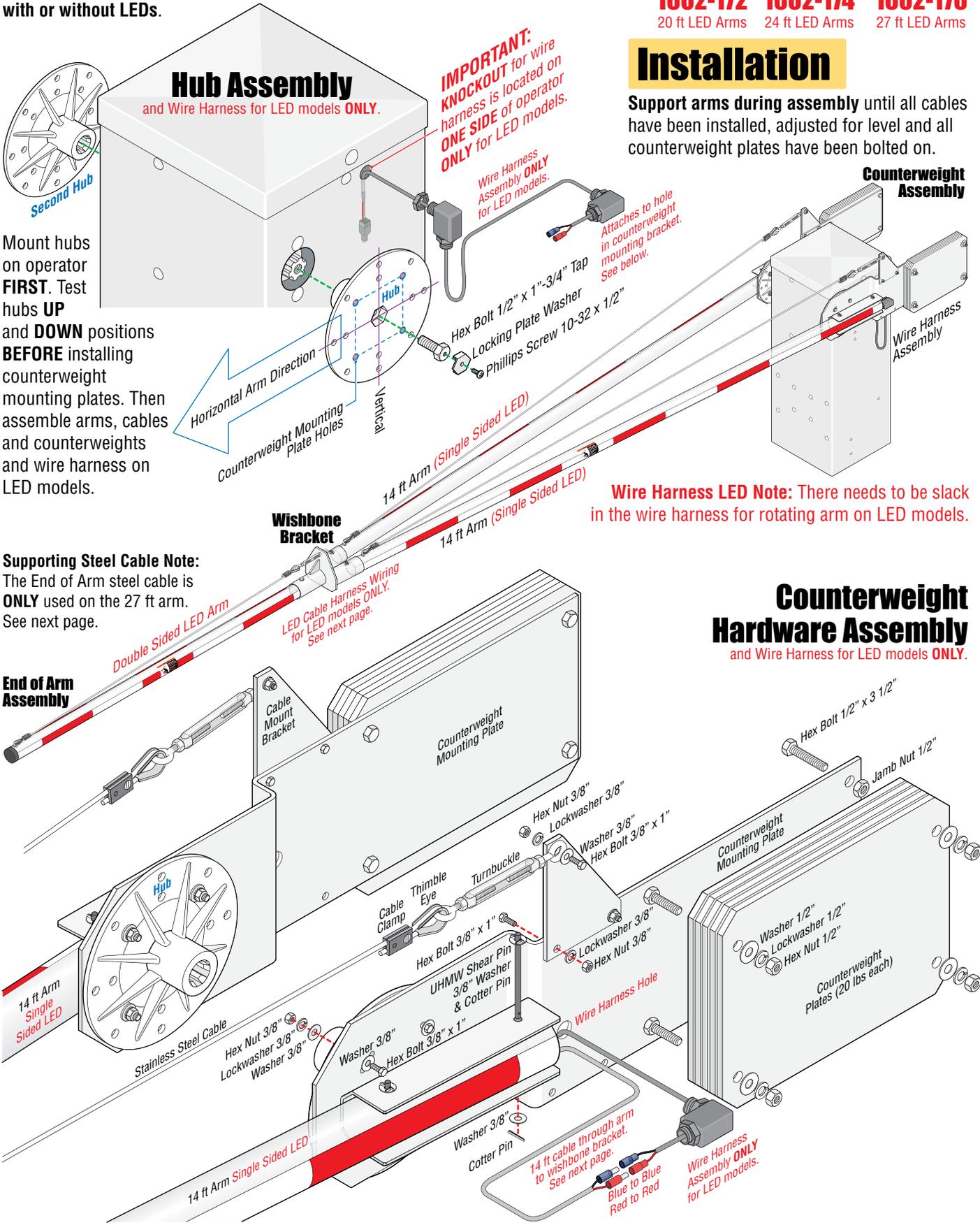
DoorKing Part Numbers:

1602-162 20 ft Arms	1602-164 24 ft Arms	1602-166 27 ft Arms
1602-172 20 ft LED Arms	1602-174 24 ft LED Arms	1602-176 27 ft LED Arms

These kits are designed **ONLY** for the 1602 model barrier gate operator with or without LEDs.

Installation

Support arms during assembly until all cables have been installed, adjusted for level and all counterweight plates have been bolted on.



Hub Assembly

and Wire Harness for LED models **ONLY**.

IMPORTANT: for wire harness is located on **ONE SIDE** of operator **ONLY** for LED models.

Wire Harness Assembly **ONLY** for LED models.

Attaches to hole in counterweight mounting bracket. See below.

Hex Bolt 1/2" x 1"-3/4" Tap
Locking Plate Washer
Phillips Screw 10-32 x 1/2"

Counterweight Assembly

Wire Harness Assembly

Mount hubs on operator **FIRST**. Test hubs **UP** and **DOWN** positions **BEFORE** installing counterweight mounting plates. Then assemble arms, cables and counterweights and wire harness on LED models.

Horizontal Arm Direction
Counterweight Mounting Plate Holes
Vertical

Wire Harness LED Note: There needs to be slack in the wire harness for rotating arm on LED models.

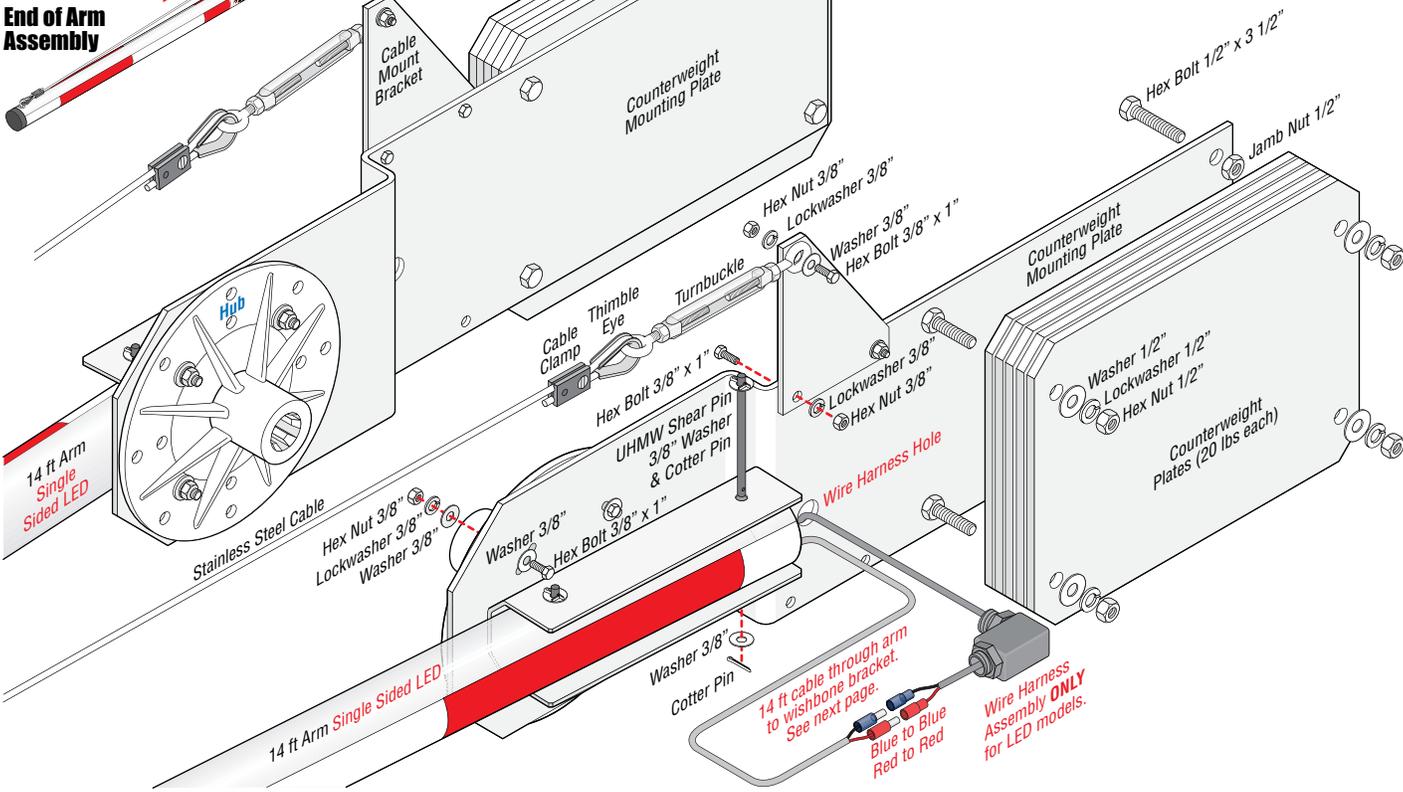
Supporting Steel Cable Note: The End of Arm steel cable is **ONLY** used on the 27 ft arm. See next page.

LED Cable Harness Wiring for LED models **ONLY**. See next page.

End of Arm Assembly

Counterweight Hardware Assembly

and Wire Harness for LED models **ONLY**.



14 ft Arm Single Sided LED

Stainless Steel Cable

Hex Nut 3/8" Lockwasher 3/8" Washer 3/8"

Hex Bolt 3/8" x 1"

Washer 3/8" Hex Bolt 3/8" x 1"

UHMW Shear Pin 3/8" Washer & Cotter Pin

Hex Nut 3/8" Lockwasher 3/8" Hex Bolt 3/8" x 1"

Washer 1/2" Lockwasher 1/2" Hex Nut 1/2"

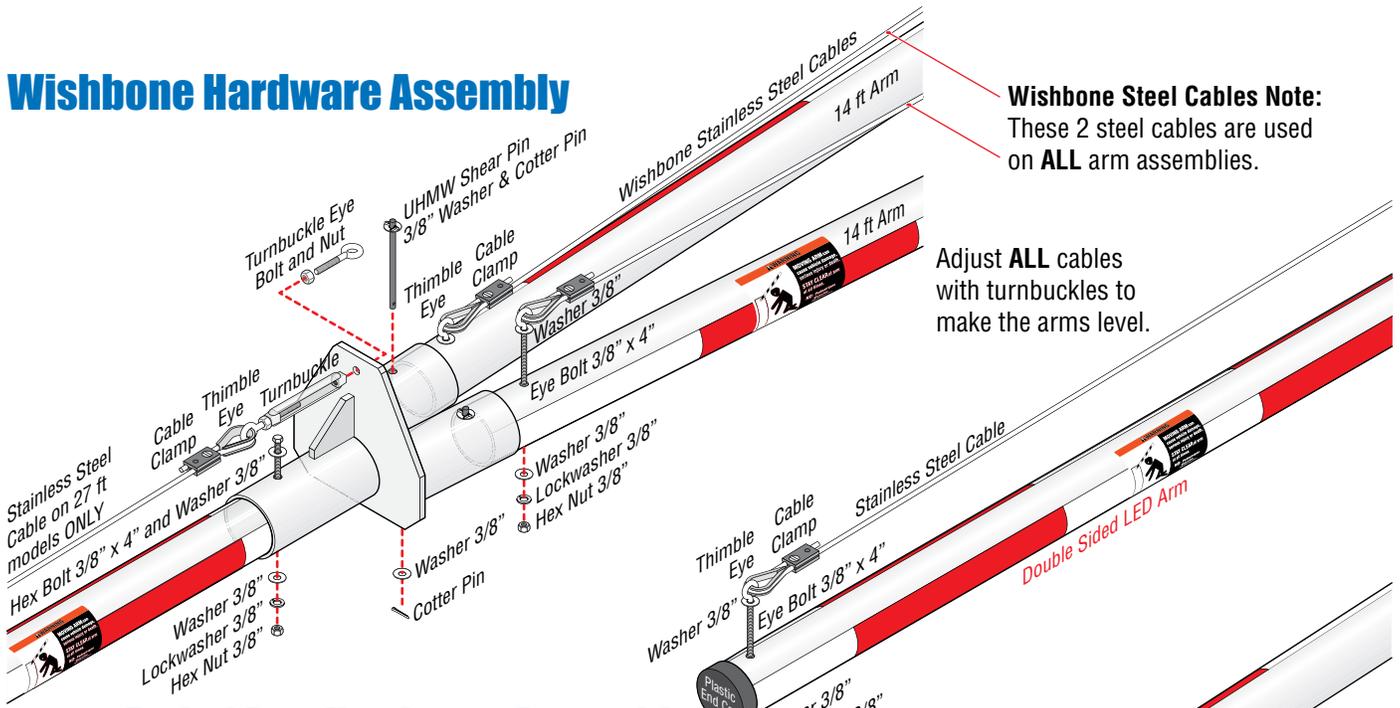
Counterweight Plates (20 lbs each)

14 ft cable through arm to wishbone bracket. See next page.

Blue to Blue Red to Red

Wire Harness Assembly **ONLY** for LED models.

Wishbone Hardware Assembly



Wishbone Steel Cables Note:
These 2 steel cables are used on **ALL** arm assemblies.

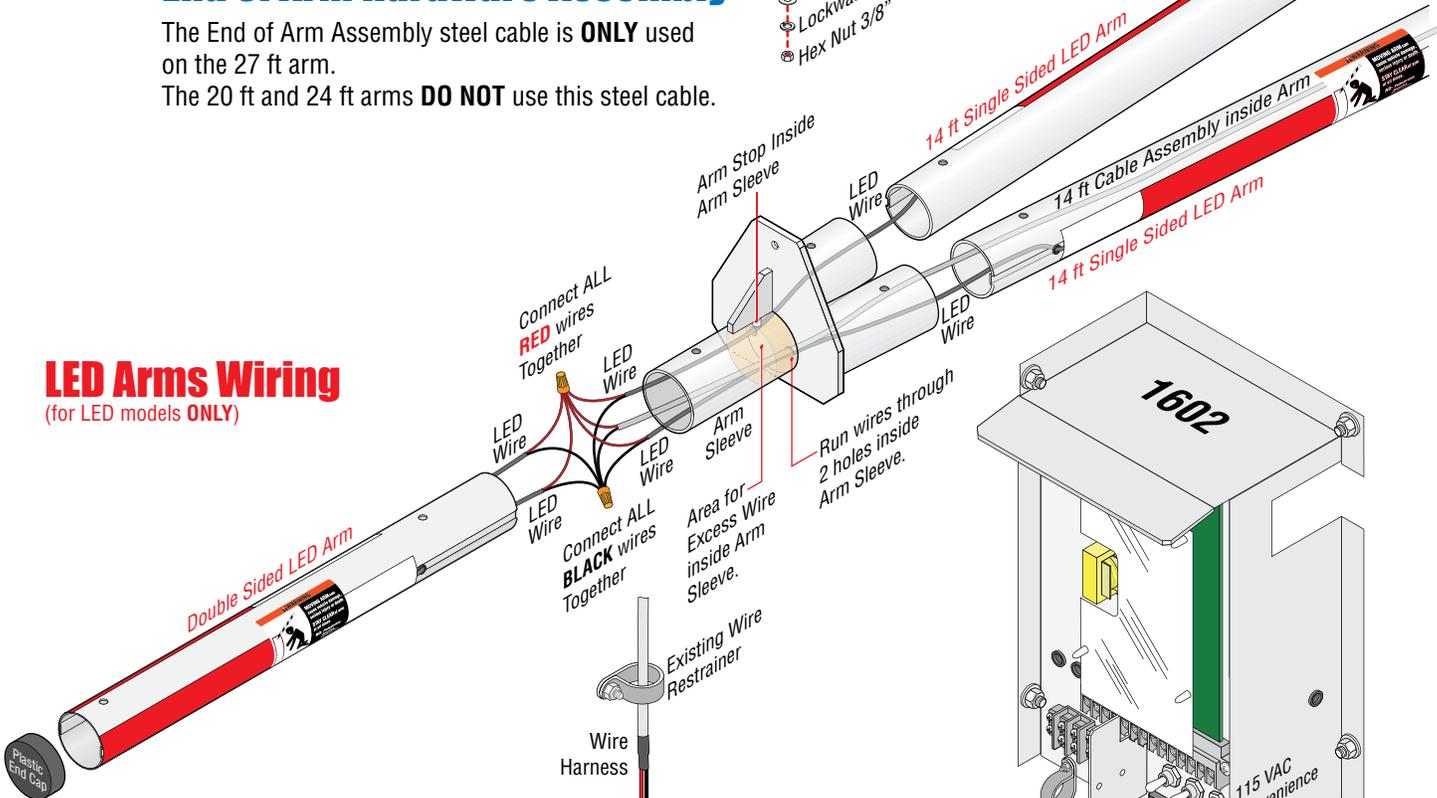
Adjust **ALL** cables with turnbuckles to make the arms level.

End of Arm Hardware Assembly

The End of Arm Assembly steel cable is **ONLY** used on the 27 ft arm.
The 20 ft and 24 ft arms **DO NOT** use this steel cable.

LED Arms Wiring

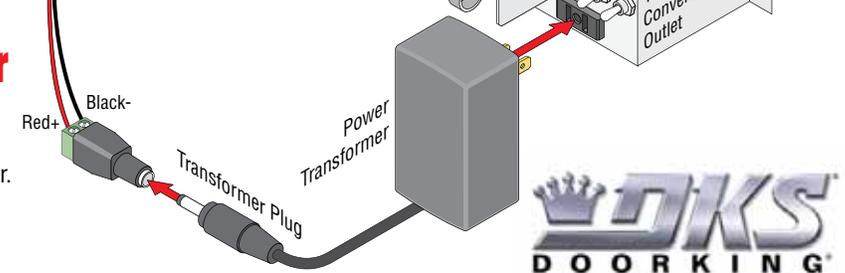
(for LED models **ONLY**)



Power Arm LEDs from Operator

(for LED models **ONLY**)

- Plug power transformer into wire harness.
- Connect supplied power transformer to **115 VAC** power.
- Use existing wire restrainers to secure wire.
- Make sure all wires are clear of moving parts.**



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