3-PIECE ROUND ALUMINUM ARM KITS

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

Support arms during assembly until all cables have been installed and adjusted for level.

Test hub UP and DOWN position before installing arms.

Clip around counterweights before screwing cover on.

Counterweight Mounting Plate Hardware x 4
Hex Nut 3/8”
Lockwasher 3/8”
Washer 3/8”

Vertical Arm Direction

Hub
Washer 3/8”
Hex Bolt 3/8” x 1”

Horizontal Arm Direction

Counterweight Mounting Plate Hardware x 4
Hex Bolt 1/2” x 1”-3/4” Tap
Locking Plate Washer
Phillips Screw 10-32 x 1 1/2”

Bracket

Lighted Arms ONLY Note:
See page 3 for correct arm positions and wiring.

DoorKing Part Numbers:

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>1602-162</td>
<td>20 ft Arm</td>
</tr>
<tr>
<td>1602-164</td>
<td>24 ft Arm</td>
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<tr>
<td>1602-166</td>
<td>27 ft Arm</td>
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<td>1602-172</td>
<td>20 ft LED Arm</td>
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<td>24 ft LED Arm</td>
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<tr>
<td>1602-176</td>
<td>27 ft LED Arm</td>
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Mount hubs on operator FIRST.
Test hubs UP and DOWN positions BEFORE installing counterweight mounting plates, then assemble arms, cables and wire harness on LED models.

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Inglewood, California 90301 U.S.A.
Wishbone Hardware Assembly

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

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

End of Arm
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.
**Lighted Arms**

(for LED models **ONLY**)

**Power from Operator**

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

**IMPORTANT:** Wire harness MUST remain clear of the rotating arm and the arm cover to avoid wire chaffing.

**KNOCKOUT**:

- **14 ft cable located on ONE SIDE of operator ONLY.**

- There needs to be slack in the 14 ft cable for rotating arm.

**IMPORTANT:** Stainless Steel cable on 27 ft arm ONLY

- **Run cable through hole in counterweight mounting bracket.**

- **Counterweight Mounting Bracket**

- **NC NO**

- **UP**

- **DOWN**

- **ON**

- **OFF**

- **AC POWER DC POWER**

- **Black-**

- **Red+**

- **Transformer Plug**

**Note:** Stainless Steel Cable on 27 ft arm ONLY

- **14 ft Cable Assembly inside Arm**

- **14 ft Single Sided LED Arm**

- **14 ft Cable run inside this Arm ONLY.**

- **Stack in the 14 ft cable for rotating arm.**

**IMPORTANT:** Wire harness MUST remain clear of the rotating arm and the arm cover to avoid wire chaffing.

**1602-149-E-11-19**