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**
- 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.

**Counterweight Hardware Assembly**
- The End of Arm steel cable is ONLY used on the 27 ft arm. See next page.

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

**Wishbone Bracket**
- Stainless Steel Cable
- Hex Nut 3/8"
- Lockwasher 3/8"
- Washer 3/8"
- Thimble Eye
- Cable Clamp
- Turnbuckle
- Washer 3/8" x 1/2"
- Hex Bolt 3/8" x 1"
- Washer 3/8"
- Cotter Pin
- 14 ft cable through arm to wishbone bracket. See next page.

**Counterweight Plate (20 lbs each)**
- Washer 1/2"
- Lockwasher 1/2"
- Hex Nut 1/2"
- Arm Nut 1/2"

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

**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
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.