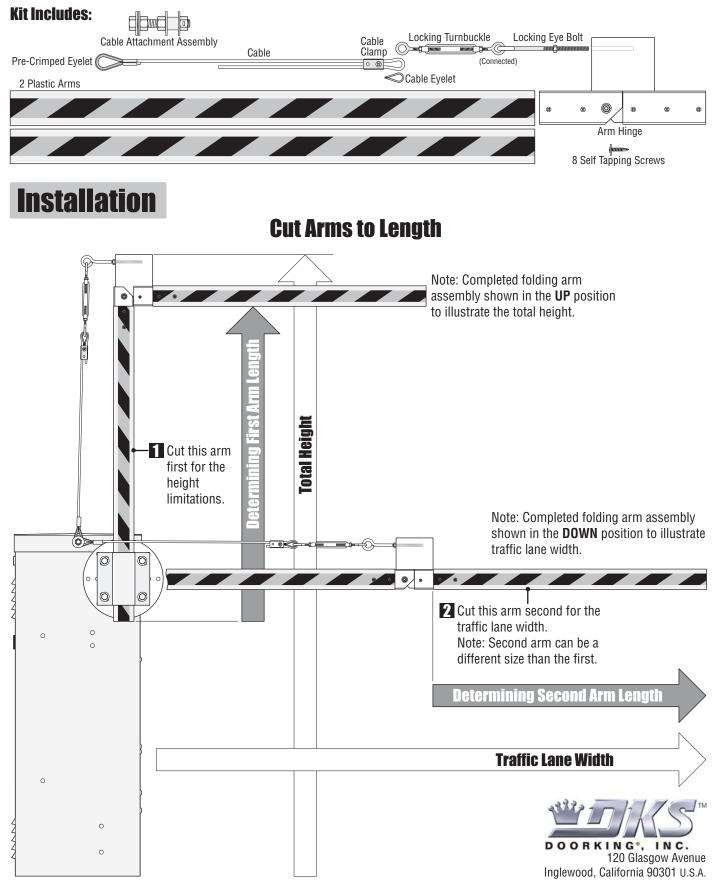
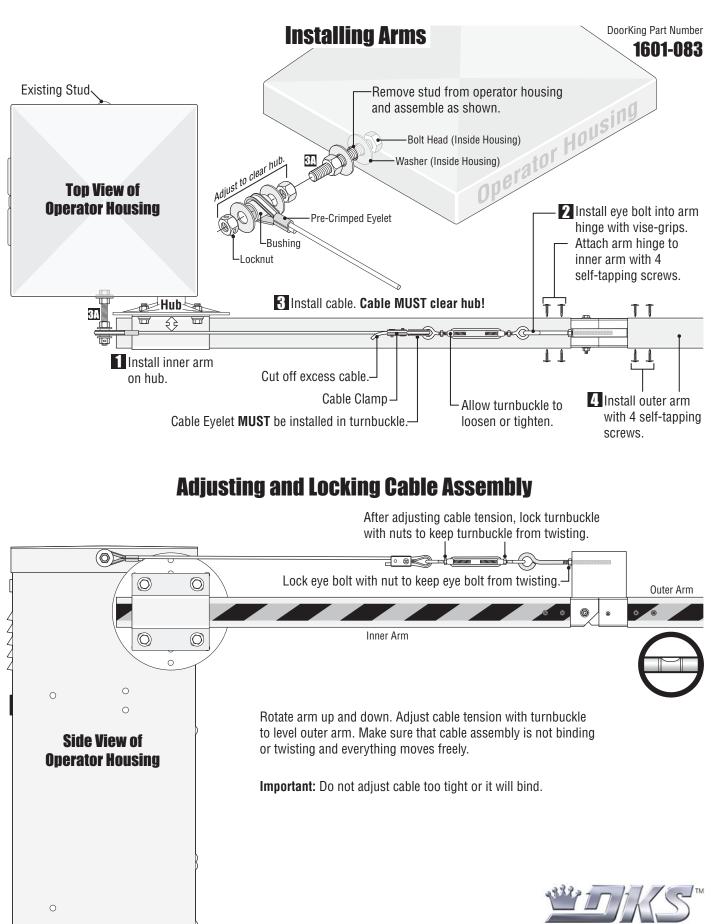
# **PLASTIC FOLDING ARM KIT**





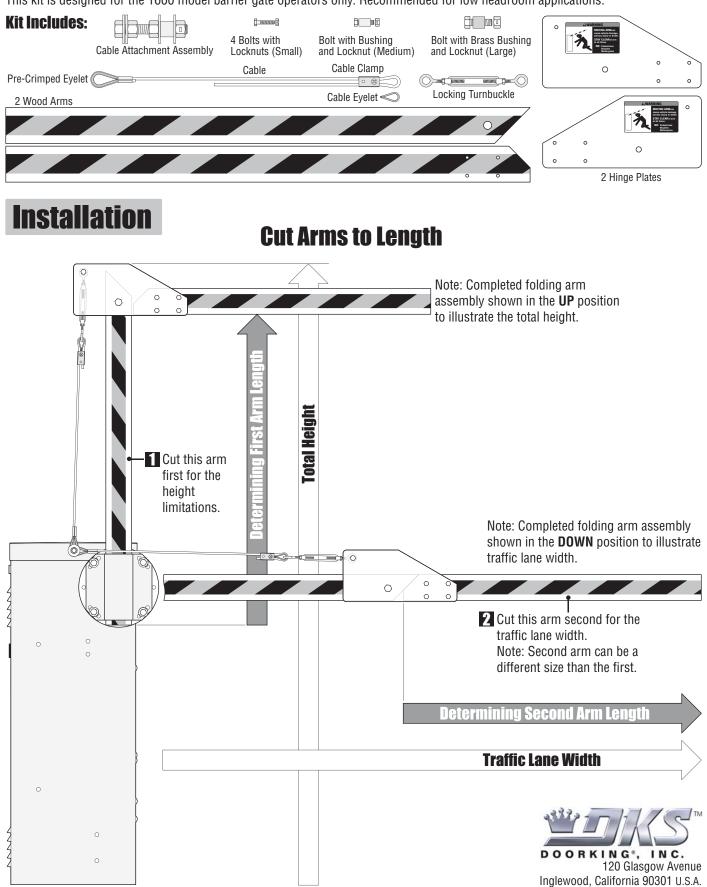
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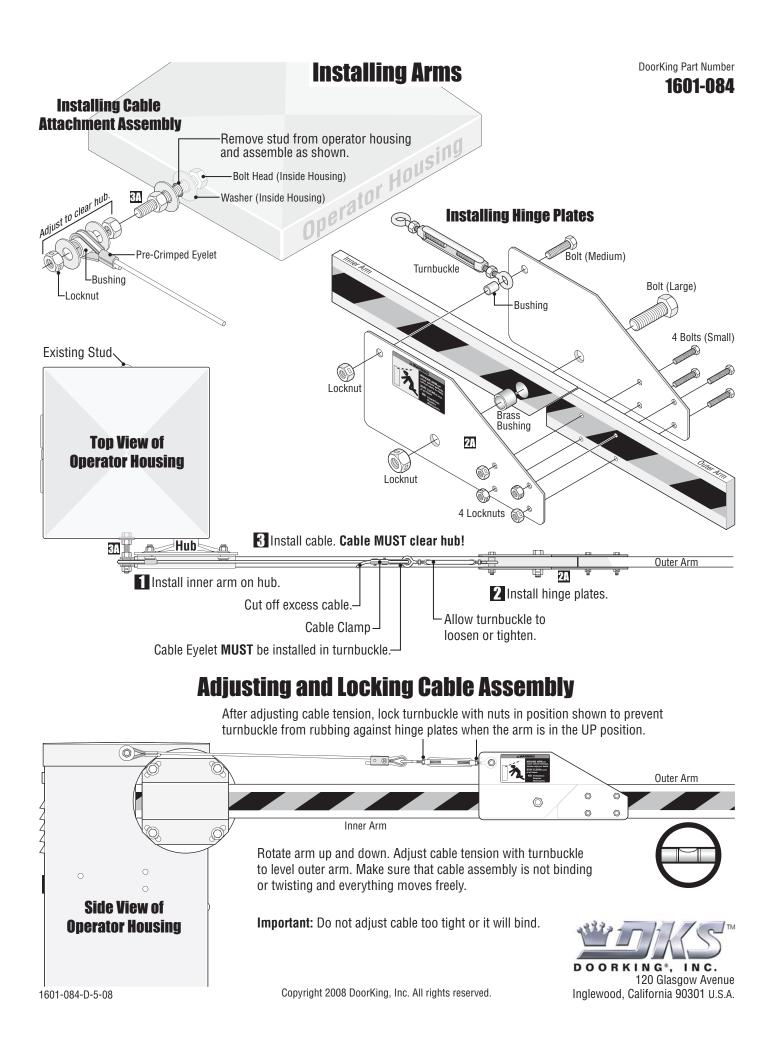
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# WOOD FOLDING ARM KIT

DoorKing Part Number 1601-084



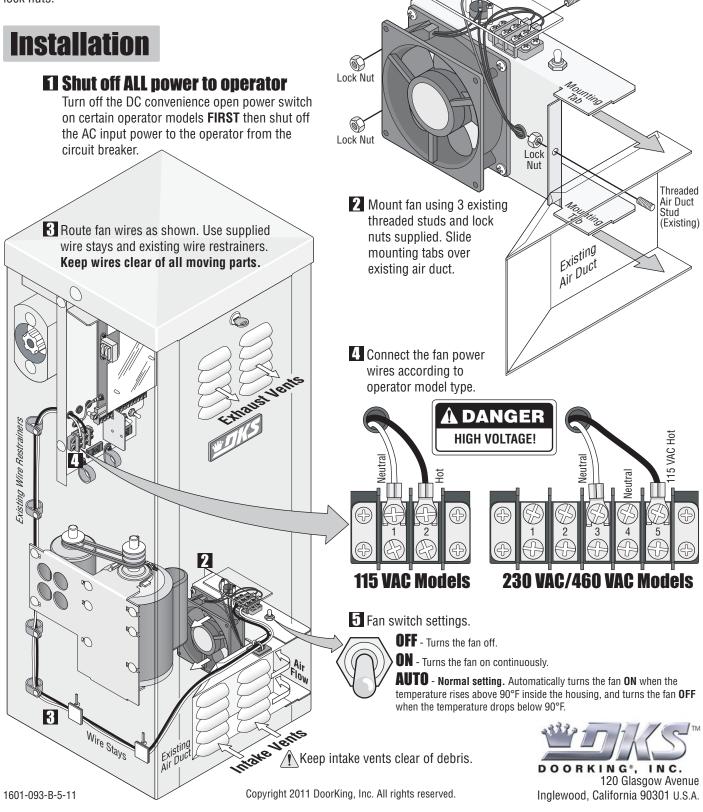


# **MODEL 1601 FAN KIT**

Threaded Housing Studs (Existing)

This kit is designed for the 1600 model barrier gate operators only. Recommended for hot and humid climates. An automatic thermostat will control heat and humidity inside operator housing.

**Kit Includes:** Fan Assembly with black and white wires, 5 wire ties, 3 double stick wire tie mounts, 2 plastic wire restrainers and 3 nylon lock nuts.



# 1600 115 VAC - 3.3 AMP HEATER KIT

This kit is designed for the 1600 model barrier gate operators only. For cold weather climates where temperatures routinely drop below 40°F (4°C). A built-in thermostat will automatically control the temperature inside operator housing.

#### High Voltage AC Input Power for the 1600 Barrier Gate Operator with a Heater

**DO NOT** use the "high voltage wire size and distance requirements" table in the Installation/Owner's manuals to determine the high voltage AC input power wire size and distance requirements for the barrier gate operator because of a **much greater** current draw when using the heater. Use the table below to determine the wire size and distances for your chosen barrier gate operator when a heater is installed. EACH operator should have a "**Dedicated**" circuit breaker at the power source.

If the high voltage AC input power wiring is greater than the maximum distance shown, it is recommended that a service feeder be installed. When large gauge wire is used, a separate junction box must be installed for the operator connection. Wire run distances are based on NEC guidelines for copper wire allowing a maximum 3% voltage drop on the line. The calculated distance was then further reduced by 10% to allow for other loses in the system. **Never** run low voltage rated wire insulation in the same conduit as high voltage rated wire insulation.

#### Operator Wire Size / Distance in Feet and Heater Model Horsepower **Volts** Amps **12 AWG 10 AWG 8 AWG** 6 AWG 115 90 105 175 290 435 1/2 HP 230 4.6 420 675 1125 1685 460 24 1615 2585 4310 6465 ענענענעני 115 13.0 70 120 200 300 1 HP 230 6.5 295 475 795 1190 460 3.3 1175 1880 3136 4705

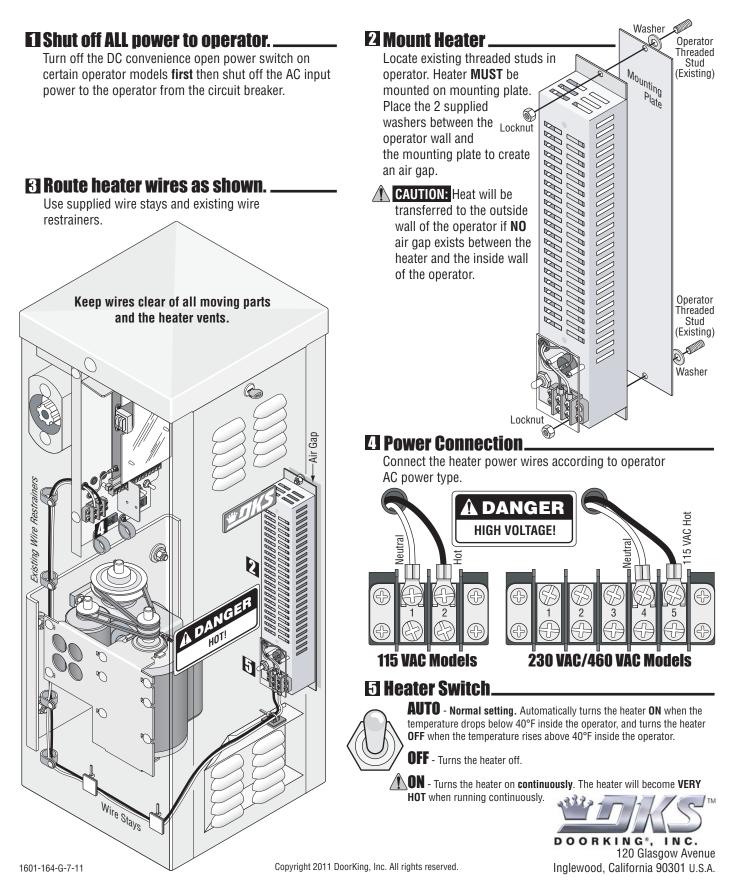
#### High voltage AC input wire size and distance requirements for a 1600 with a heater.

In bi-parting (dual) barrier gate applications, high voltage AC input power is required for EACH 1600 operator with heater.

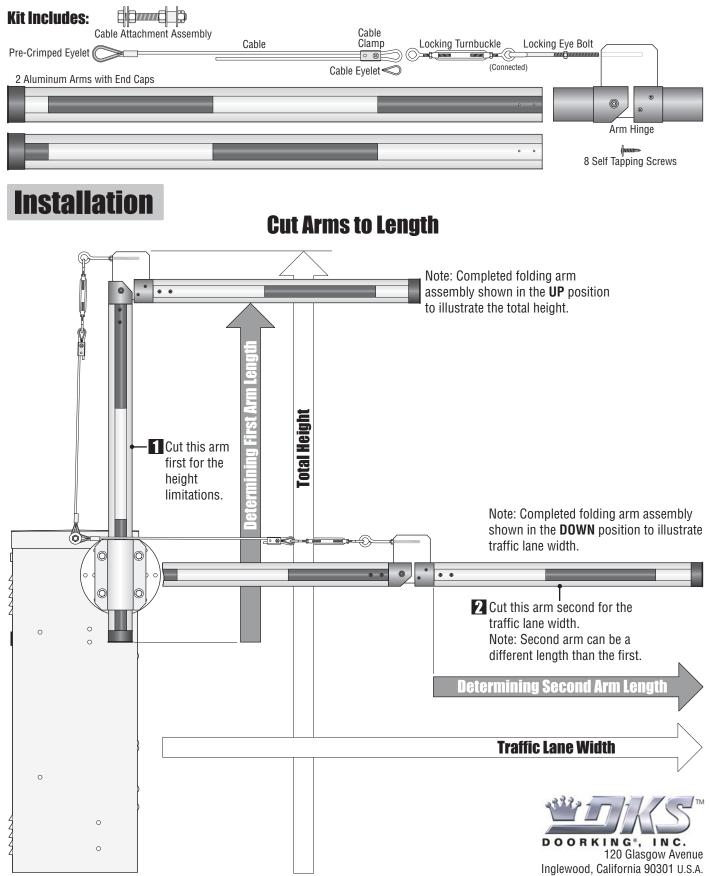
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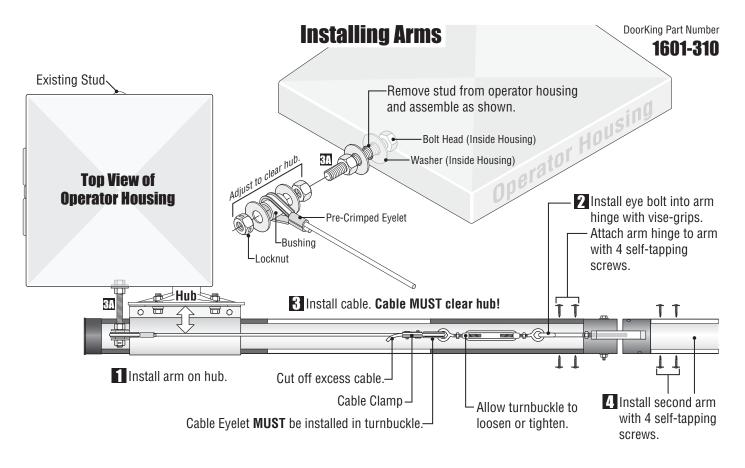
## **Installation of Heater**

Kit Includes: Heater / mounting plate, 2 locknuts, 5 wire ties, 3 double stick wire tie mounts, and 2 plastic wire restrainers.

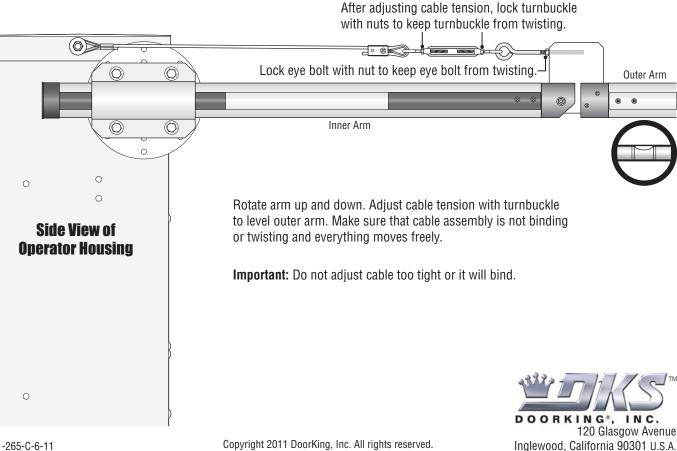


# **ALUMINUM ARM FOLDING KIT**



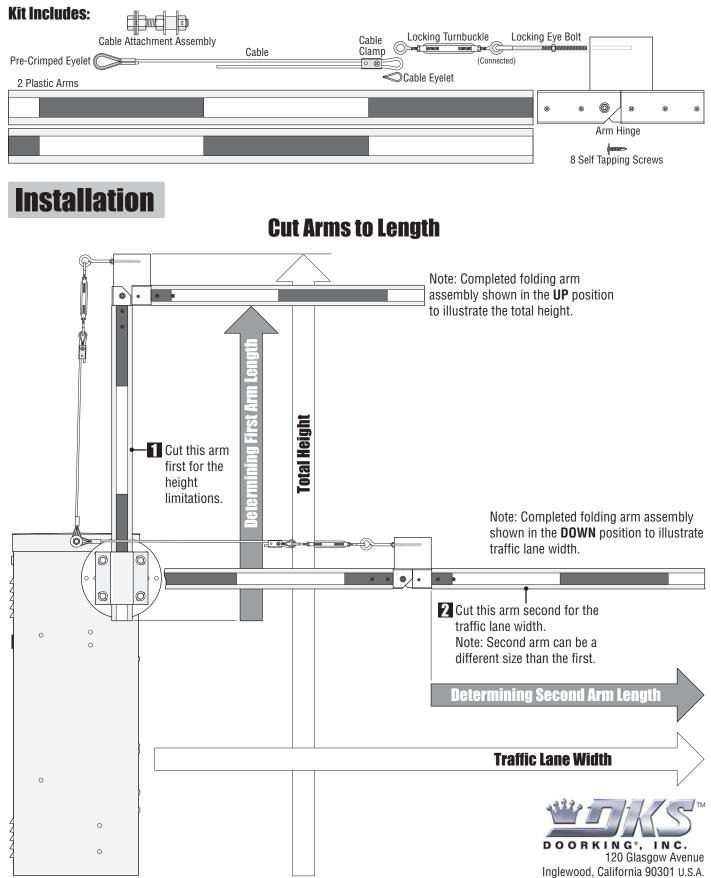


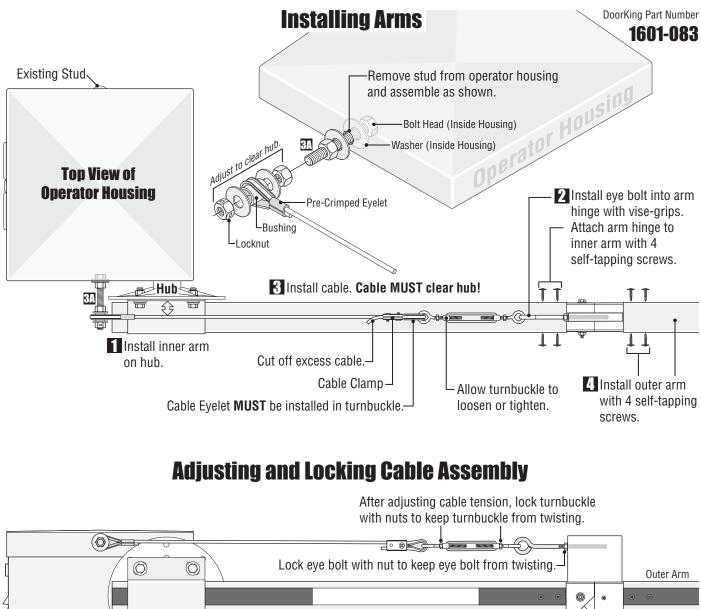
### **Adjusting and Locking Cable Assembly**



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# **PLASTIC FOLDING ARM KIT**





Inner Arm  $\bigcirc$  $\bigcirc$ 0 Rotate arm up and down. Adjust cable tension with turnbuckle to level outer arm. Make sure that cable assembly is not binding **Side View of** or twisting and everything moves freely. **Operator Housing** Important: Do not adjust cable too tight or it will bind.

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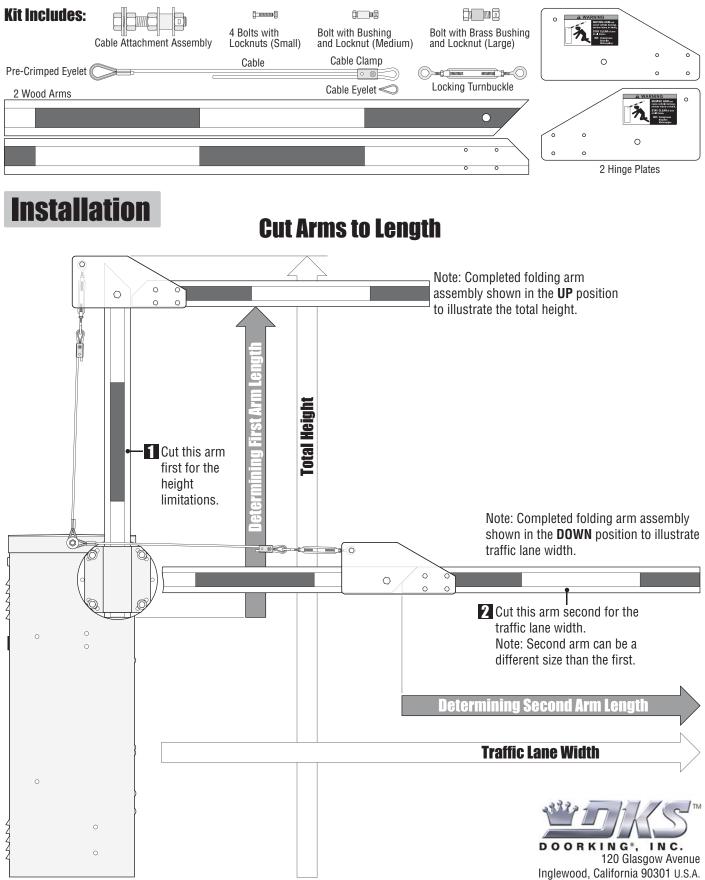
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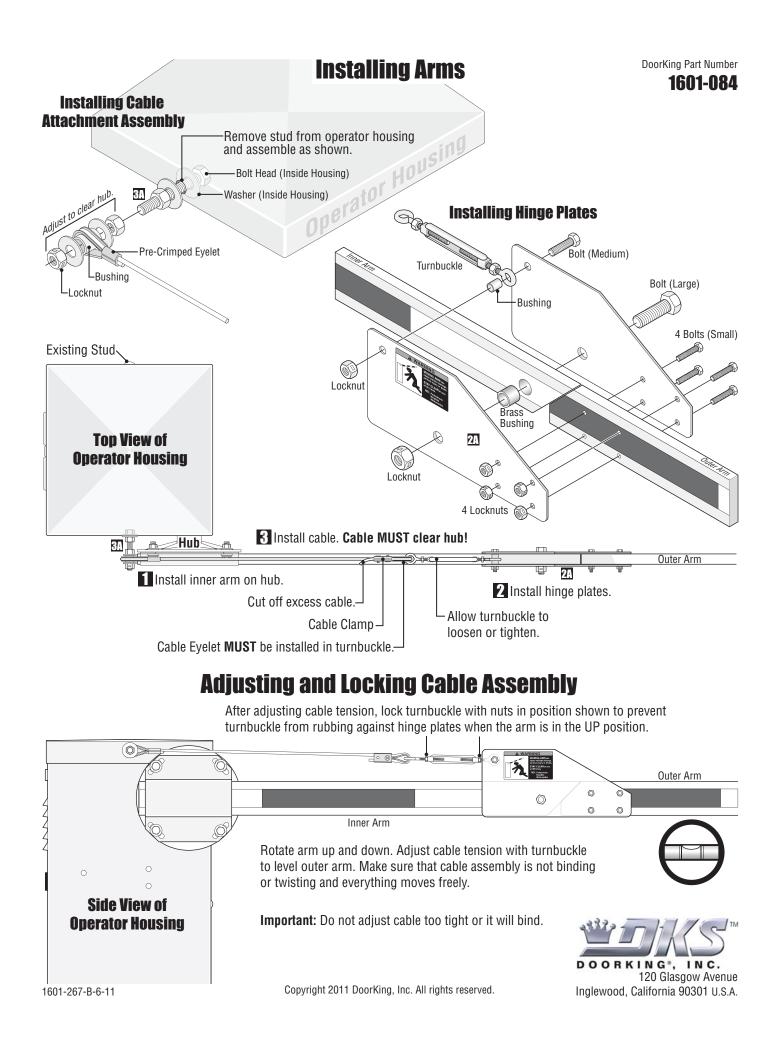
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# WOOD FOLDING ARM KIT

DoorKing Part Number 1601-084



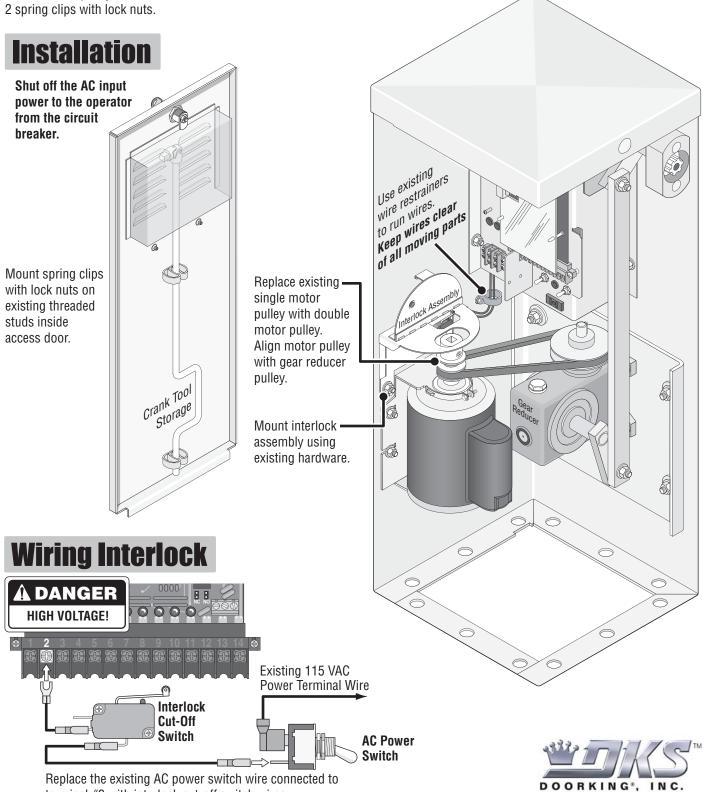


DoorKing Part Number 1601-270

# **1601 Manual Release Kit**

This kit is designed for the 1601 barrier gate operator WITHOUT the convenience open option. It provides an interlock power cut-off switch when manually using crank tool to move the arm up or down. DO NOT install on convenience open models.

Kit Includes: Pre-wired Interlock assembly, Double motor pulley, Crank tool,



terminal #2 with interlock cut-off switch wires.

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## **Manual Operation**

- 1. Unlock and remove access door.
- 2. Remove crank tool from inside access door.
- 3. Flip interlock assembly door up, power will be disabled from operator.
- 4. Insert crank tool into motor pulley as shown.
- 5. Rotate crank tool to manually move operator arm up or down.

