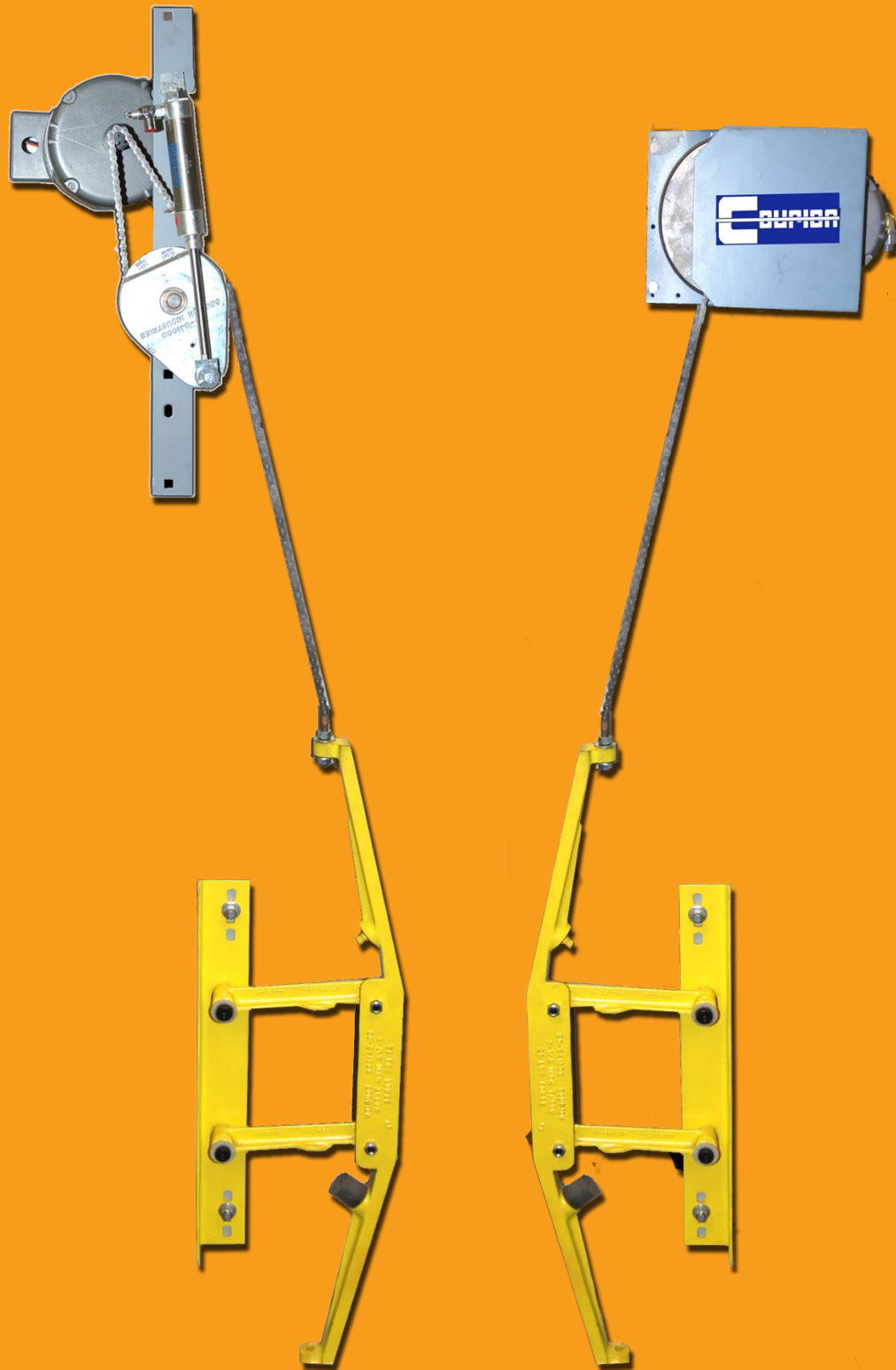




***THE NEXT GENERATION OF  
FREIGHT ELEVATOR DOORS***



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**Retiring Cam  
Installation Instructions**

*OPENING QUALITY DOORS AROUND THE WORLD*

## Retiring Cam

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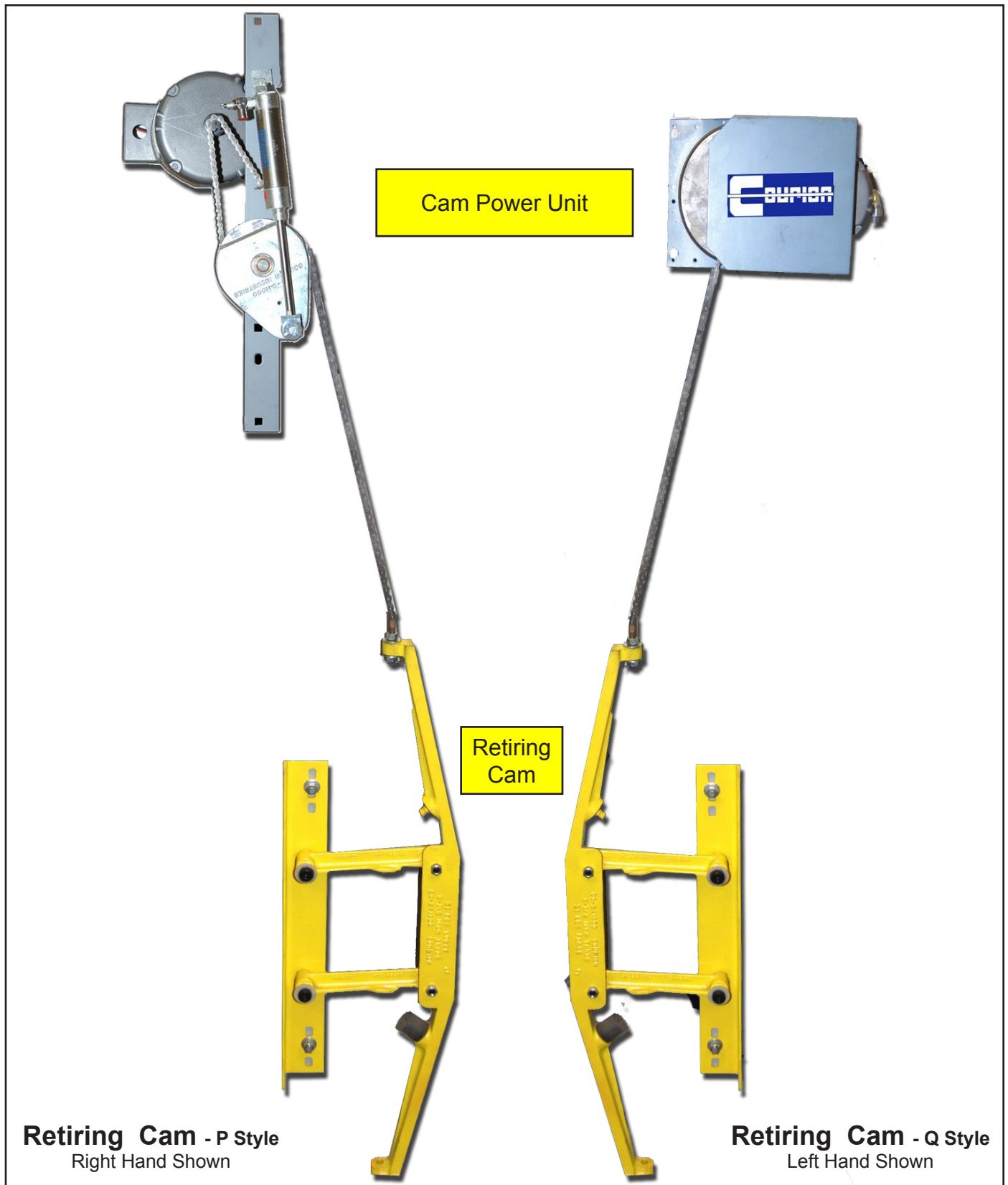
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OPENING QUALITY DOORS AROUND THE WORLD



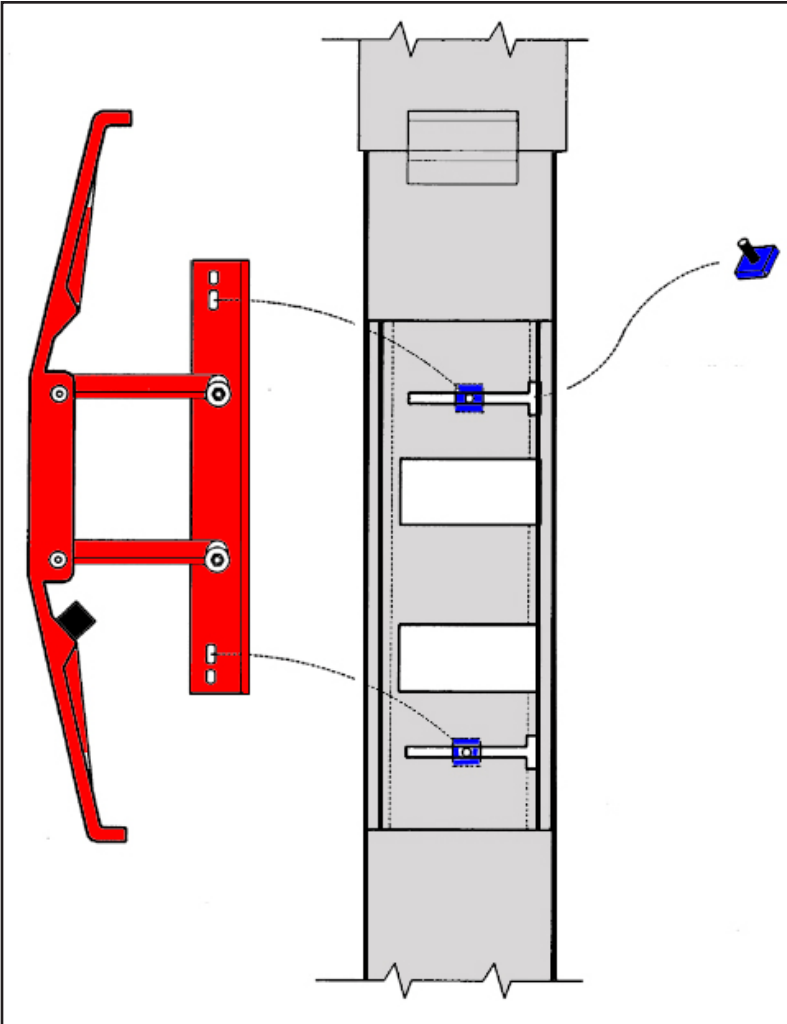
## Retiring Cam

**1 Q-Style Gate Guides:** If you have not done so already, attach the RETIRING CAM to the Gate Guide Column on the Interlock Side of the hoistway.

(1) Retiring Cam (hand varies by job) and (1) Retiring Cam Hardware Kit (#94-000010)

### IMPORTANT

The Retiring Cam should be installed on the same side of the hoistway as the Door Interlocks.



Slide two (2) 3/8" "T" Bolts, found in Hardware Kit #10, into the slots and fasten the Retiring Cam to the Cam Mounting Bracket on the Gate Column.

**STATIONARY CAM** - If you have a **STATIONARY CAM**, attach it to the Car Gate Guide on the Interlock Side of the hoistway.



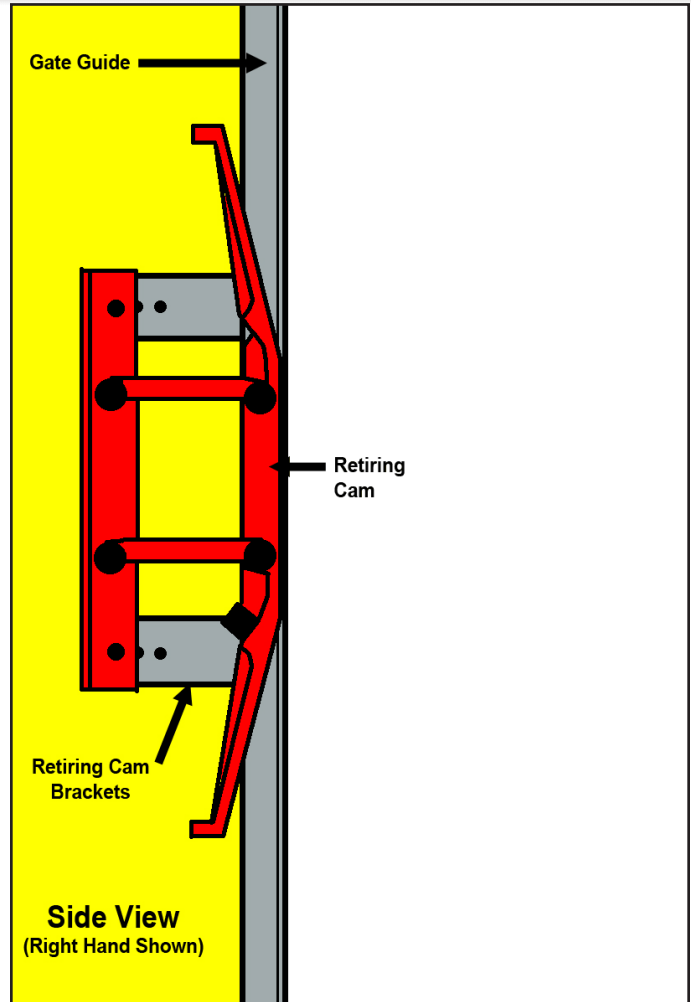
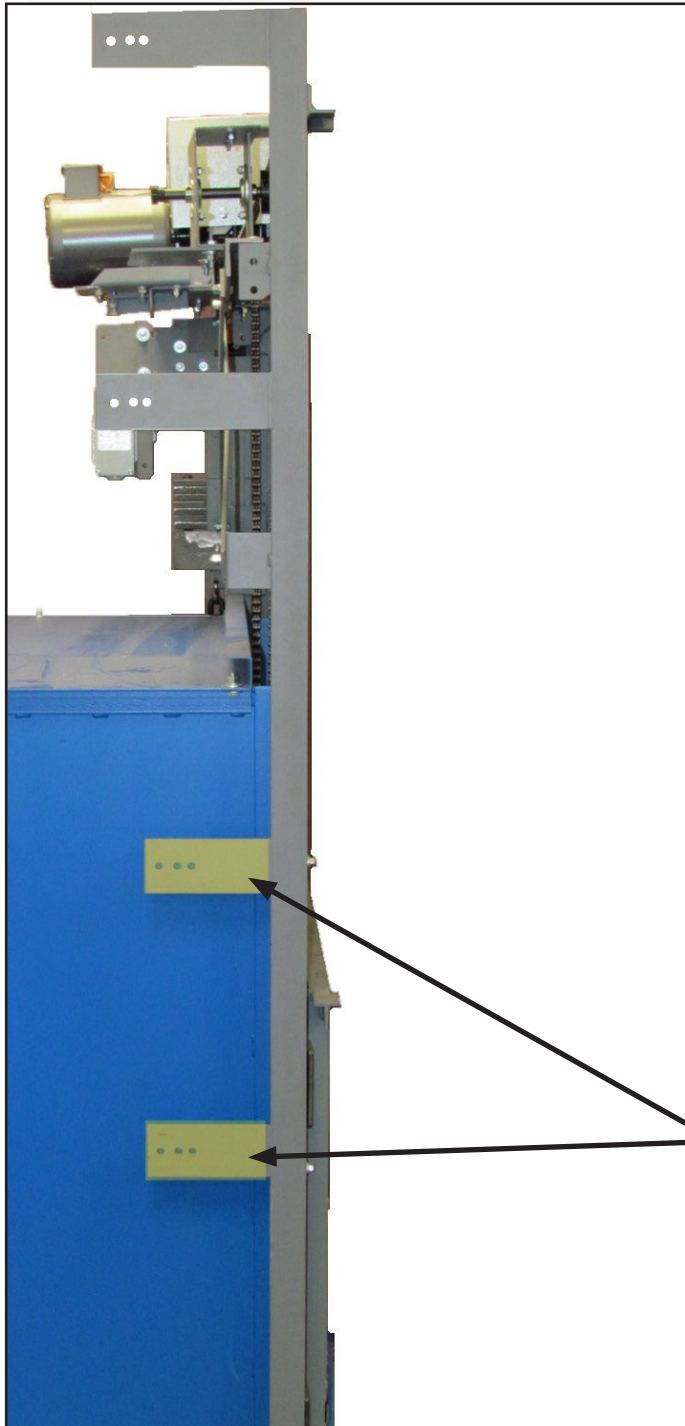
Right Hand Shown



## Retiring Cam

**PA-Style Gate Guides:** Attach the **RETIRING CAM** to the Retiring Cam Brackets found on the PA-Style Car Gate Guides.

(1) Retiring Cam (hand varies by job) and (1) Retiring Cam Hardware Kit (#94-000010)



Using the fasteners found in Hardware Kit #10, securely fasten the Retiring Cam to the Retiring Cam Brackets on the Car Gate Guide Rail.

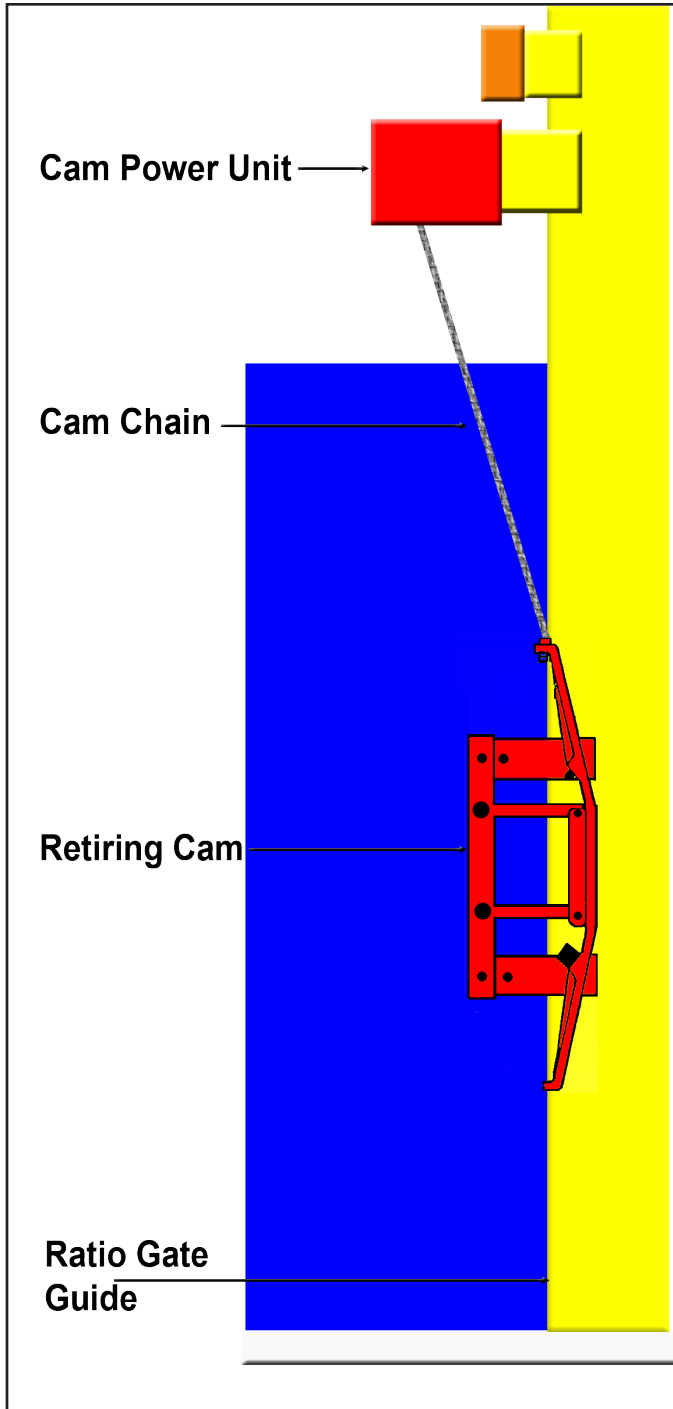
**STATIONARY CAM** - If you have a **STATIONARY CAM**, attach it to the Car Gate Guide on the Interlock Side of the hoistway.



## Retiring Cam

**RATIO Style Gate Guides:** Attach the **RETIRING CAM** to the Retiring Cam Brackets found on the Ratio Style Car Gate Guides.

(1) Retiring Cam (hand varies by job) and (1) Retiring Cam Hardware Kit (#94-000010)



Using the fasteners found in Hardware Kit #10, securely fasten the Retiring Cam to the Retiring Cam Brackets on the Car Gate Guide Rail.

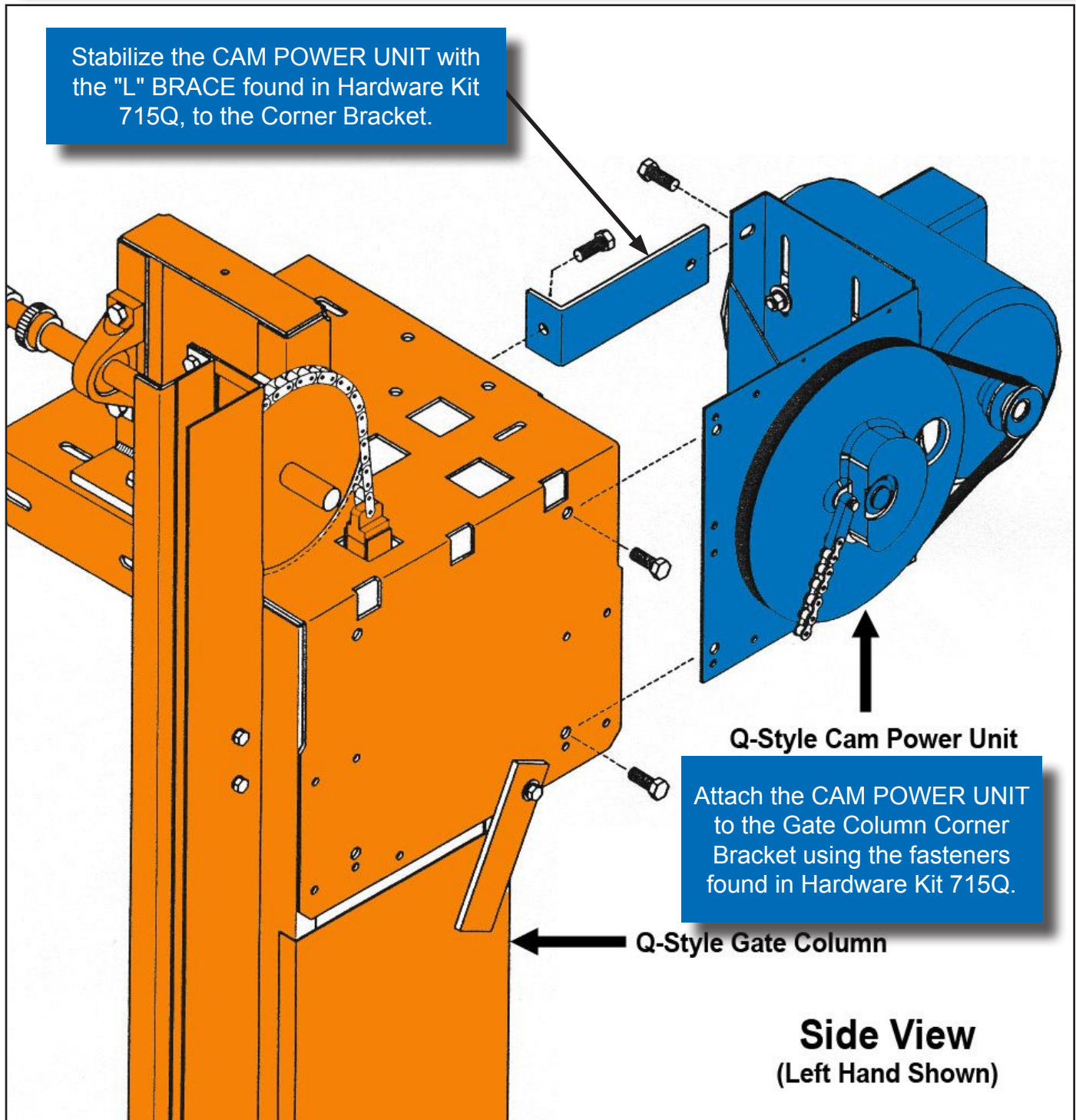
**STATIONARY CAM** - If you have a **STATIONARY CAM**, attach it to the Car Gate Guide on the Interlock Side of the hoistway.





**2** **Q-Style Gate Guides and Q-Style Cam Power Unit:** Install the **CAM POWER UNIT** to the Gate Column Corner Bracket.

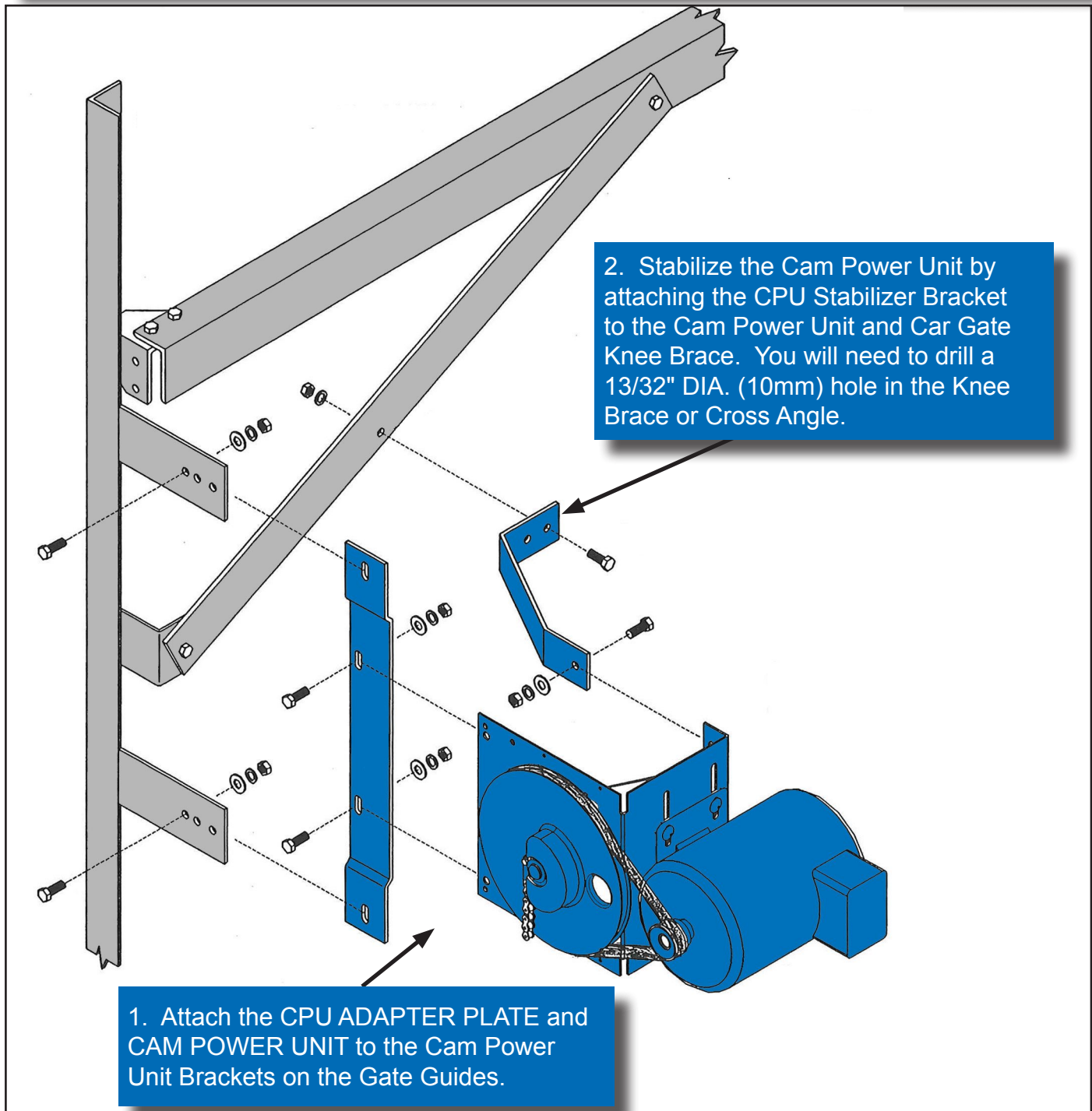
(1) Cam Power Unit (Left or Right Hand) and (1) Cam Power Unit Hardware Kit (94-000715Q)



## Retiring Cam

**P-Style Gate Guides and Q-Style Cam Power Unit:** Attach the **CAM POWER UNIT** to the Retiring Cam Power Unit Brackets found on the Car Gate Guide.

(1) Retiring Cam Power Unit (hand varies by job) and (1) Retiring Cam Hardware Kit (#94-000716Q for Single Section Gate and #94-000717Q for 2-Section Gate)





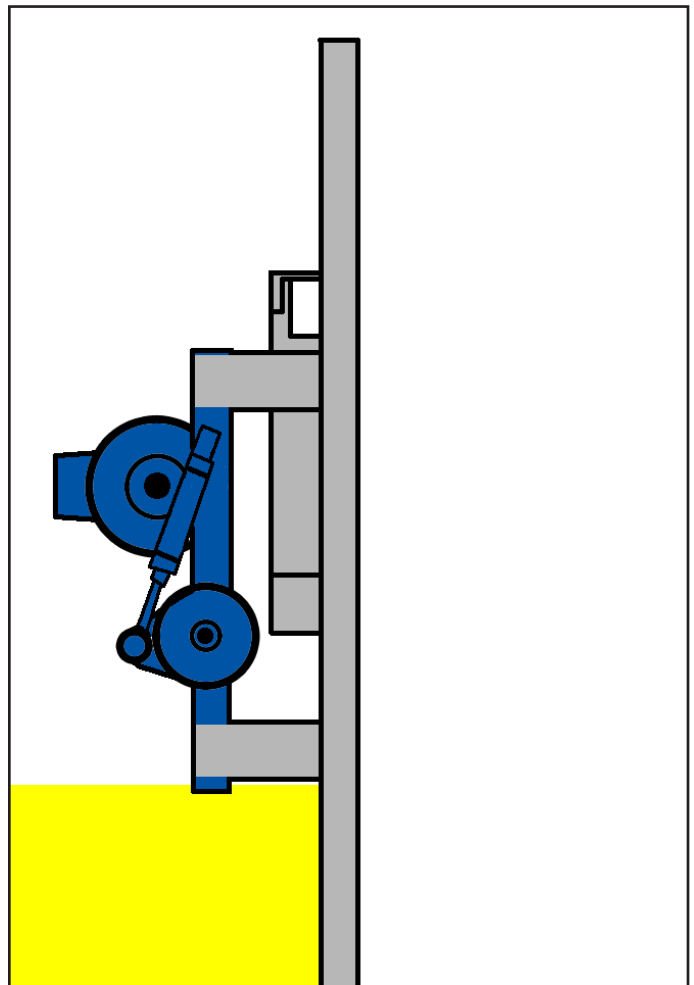
## Retiring Cam

**P-Style Gate Guides and P-Style Cam Power Unit:** Attach the **CAM POWER UNIT** to the Retiring Cam Power Unit Brackets found on the Car Gate Guide.

(1) Retiring Cam Power Unit (hand varies by job) and (1) Retiring Cam Hardware Kit (#94-000010)



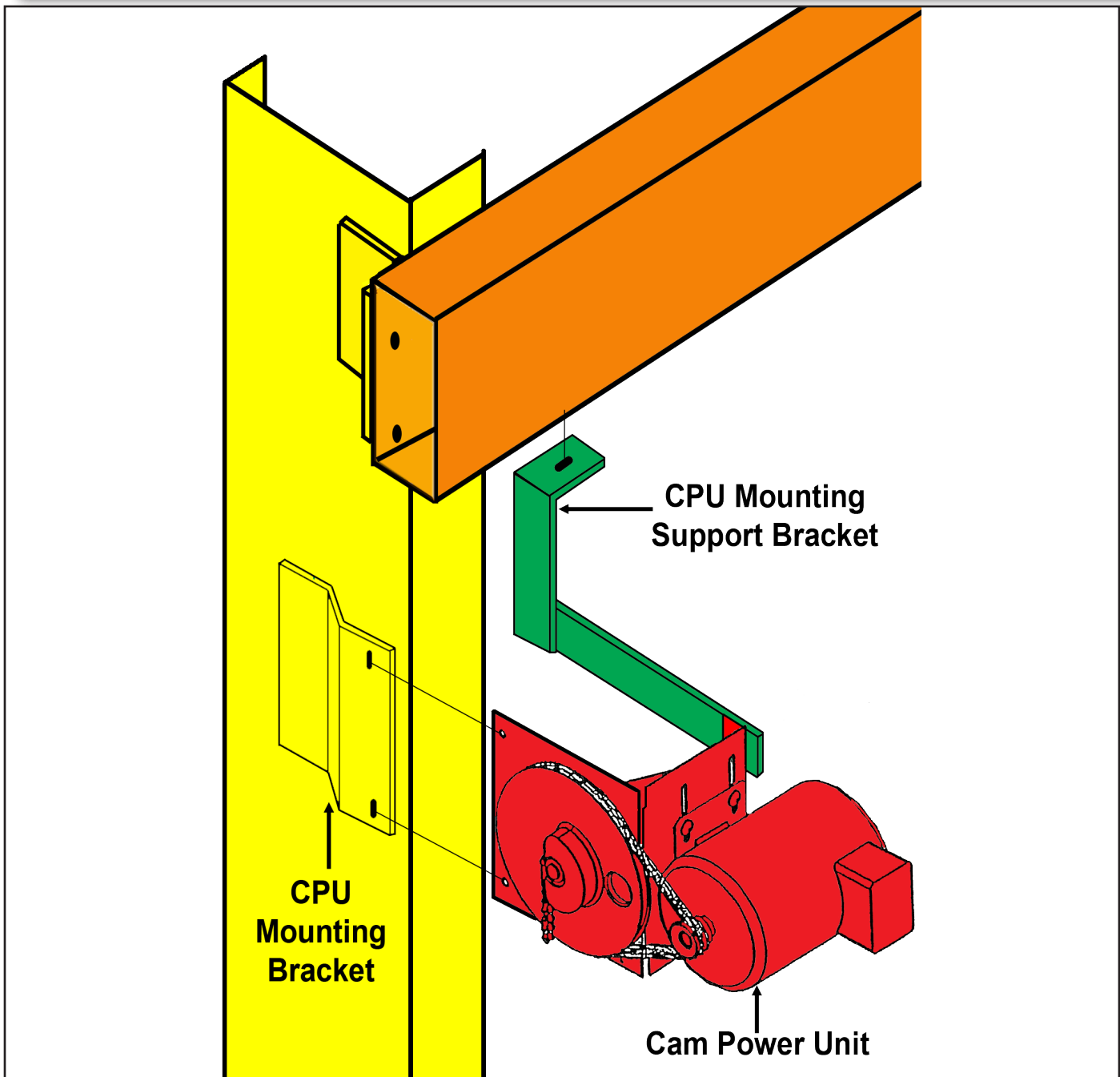
Using the fasteners found in Hardware Kit #10, securely fasten the Cam Power Unit to the Cam Power Unit Brackets on the Car Gate Guide Rail.



## Retiring Cam

**Ratio Style Gate Guides and Q-Style Cam Power Unit:** Attach the **CAM POWER UNIT** to the Retiring Cam Power Unit Brackets found on the Ratio Gate Guides. Then, support the CAM POWER UNIT with the CPU Support Bracket.

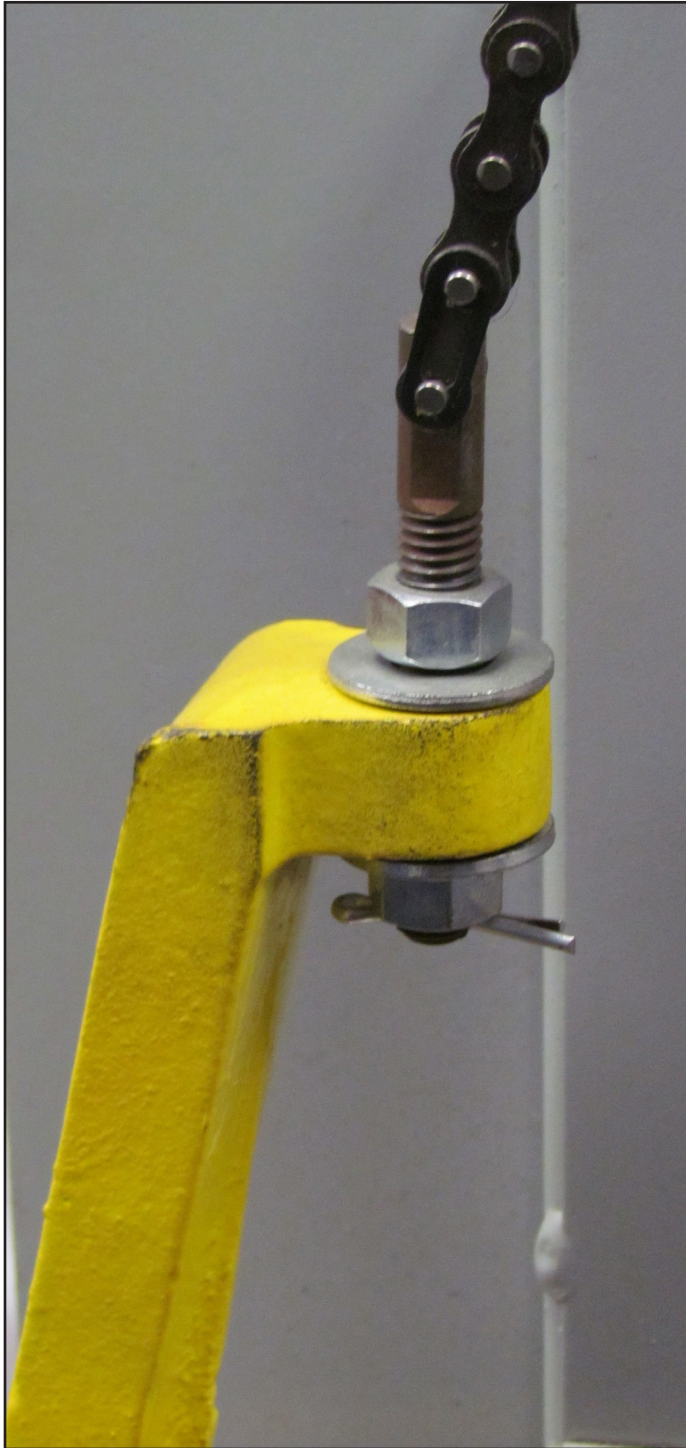
(1) Retiring Cam Power Unit (hand varies by job), (1) Retiring Cam Hardware Kit (#94-000080), and (1) CPU Mounting Bracket.



## Retiring Cam

- 3** Attach the **RETIRING CAM CHAIN** from the Retiring Cam Power Unit to the Retiring Cam.

(1) Retiring Cam Chain (Length varies by Job) and (1) Retiring Cam Hardware Kit (94-0000#40)



### Q-STYLE CAM POWER UNIT

1. Find the ADJUSTMENT SCREW in Hardware Kit #40 and thread on the nuts provided. Adjust to maximum length.
2. Drop the CAM CHAIN to the top of the Retiring Cam and rotate the Cam Sheave on the Power Unit so that the Cam Chain is at its shortest distance.
3. Place the Adjustment Screw in the top hole of the Retiring Cam and cut the Cam Chain to the nearest link.
4. Connect the Cam Chain to the Adjustment Screw and adjust the screw until the Retiring Cam is at its most extended position with the Retiring Cam arms horizontal.

### P-STYLE CAM POWER UNIT

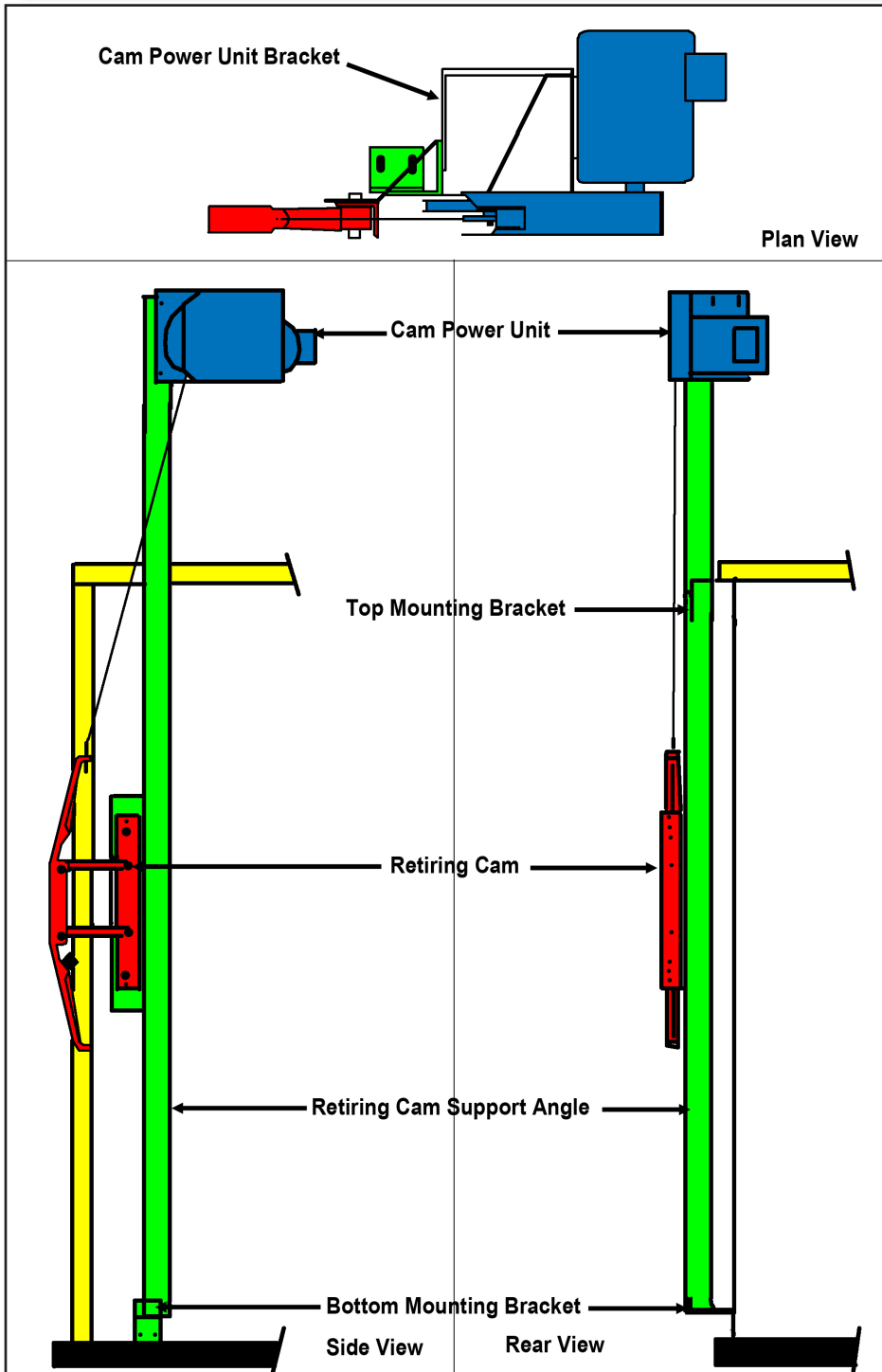
1. Find the ADJUSTMENT CHAIN BOLT in Hardware Kit #40 and thread on the nuts provided. Adjust to maximum length.
2. Drop the CAM CHAIN to the top of the Retiring Cam. The Cam Chain should be sized so that the Retiring Cam Arms are horizontal.
3. Place the Adjustment Screw in the top hole of the Retiring Cam and cut the Cam Chain to the nearest link. Attach the chain to the Retiring Cam Power Unit with the chain connecting link.
4. Tighten the two (2) chain bolt hex nuts against each other to lock the adjustment. Place the cotter pin through the hole in the bottom of the Chain Bolt to secure position of bolt.



## Retiring Cam

### Installation of Retiring Cam with No Gate Guides

(1) Retiring Cam (1) Retiring Cam Power Unit (1) Retiring Cam Support Angle (size is job specific) (1) Top Mounting Bracket (#06-200700) (1) Bottom Mounting Bracket (#06-200600) (1) Cam Power Unit Mounting Bracket (#06-200580) and (1) Courion Hardware Kit #80 (#94-000080)



### Retiring Cam with No Gate Guides

Secure the **RETIRING CAM SUPPORT ANGLE** to the Platform and Car Enclosure using the Top and Bottom Mounting Brackets and hardware provided in Hardware Kit #80.

The distance from the front of the Car Platform to the **RETIRING CAM SUPPORT ANGLE** is Job Specific - Please see drawing provided by Courion.

Follow the instructions provided in this manual for the installation of your Retiring Cam and Cam Power Unit.



### Final Adjustments

- A. When Applicable** - Before applying power to the Cam Power Unit, set the POWER RESISTOR for the Cam Motor to maximum resistance. The Cam Power Resistor is located in the upper right hand corner of Courion's Model MP Control. The Cam Power Unit is designed to work smoothly and quietly at or near the maximum resistance setting.
- B.** Verify that the Retiring Cam or Stationary Cam does not interfere or hit the Interlock Roller Arms as the car passes each floor.
- C.** Verify that the Interlock Roller Arms are fully actuated at each floor when the Retiring Cam is in the down position or by the Stationary Cam.
- D.** Verify that the Interlock Roller Arms are centered on the face of the Retiring Cam or Stationary Cam at each floor.







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