

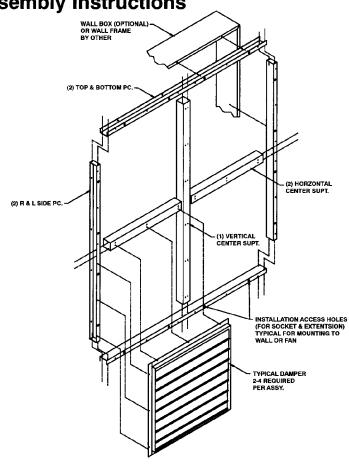
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# ASSEMBLY AND MOTORIZING INSTRUCTIONS FOR WAG, WAGH, WAGC & WAGCH QUAD Panel Dampers

**Mullion Assembly Instructions** 

- Attach (2) horizontal center supports to vertical center support. Align pre-punched holes of horizontal center support to prepunched holes of vertical center support and attach using #14 screws.
- Attach right and left side pieces to the horizontal center support. With installation access holes facing outward, align left and right side vertical support to pre-drilled holes of the horizontal support and attach using #14 screws.
- Attach top and bottom pieces to vertical center support. With installation access holes facing outward, align top and bottom pre-punched hole in right, left and center supports and attach using #14 screw.
- 4. Install mullion as required.
- Install dampers on mullion. Align prepunched holes in damper frame to prepunched holes in mullion assembly. Attach with #14 screws provided.



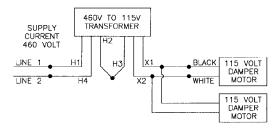
# **Motorizing Instructions**

This CAM motor operation package consists of four major components: Motor with base, CAM assembly (with pull spring, CAM pulley and spring retainer) and hardware. Follow steps in sequence for best results.

Make all electric connections using good wiring practices and in accordance with National Electric Code and any local codes.

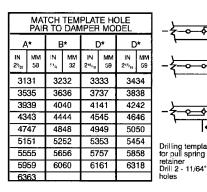
## **HINTS**

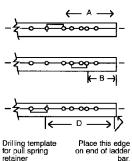
- (A) On new installations, assembly of the motorizing kit would be more easily done prior to installing the shutter.
- (B) DO NOT ATTACH THE CAM OPERATOR TO THE MOTOR UNTIL THE CAM ASSEMBLY IS ATTACHED TO THE DAMPER LADDER BAR AND THE MOTOR IS ATTACHED TO THE DAMPER FRAME.
- (C) Each 460V/115V transformer can be used to handle up to 2 motor operator kits.

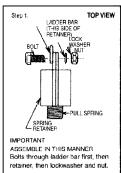


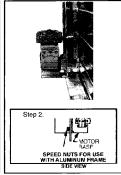
## **Single Panel Instructions**

- Refer to chart below for proper location. Attach the pull spring retainer to the damper ladder bar using two (2) bolts, lockwashers and nuts. Opening the damper will give easy access to the ladder bar.
- 2. Mount the motor and base using three (3) No. 8 screws (and three [3] speed nuts on aluminum frames) by aligning the slots in the motor with the three (3) holes in the frame. (Note: On some models, the damper frame is not pre-drilled. In this case, use the motor base as a template to locate the proper locations. For single panel dampers, the motor base should fit in the lower left corner of the damper as viewed from the inlet side. For double panel dampers,
- the motor base will fit to the right of the center support at the bottom as viewed from the inlet side. The motor base should be square to the damper. Self-drilling screws can be used to secure the motor base to the damper frame. As an alternate to the self-drilling screws, 0.125" diameter holes can be pre-drilled to use the #8 screws provided in the motor kit.
- Attach the CAM pulley to the motor shaft. Position the CAM assembly so that approximately 1/8" of the motor shaft is showing through the CAM pulley, then tighten the retainer bolt.
- Check to see that all other bolts in the assembly are tight.











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