

Installation Instructions for Motorizing AR or AW Backdraft Dampers

Single Panel Backdraft Dampers



Step 1

1. Remove all Springs supplied on the unmotorized version and discard.



Step 2

2. Flatten the spring tab to the position shown.



Step 3

3. Mark the locations of the (3) holes in the motor base on the flange using the motor base as a template.

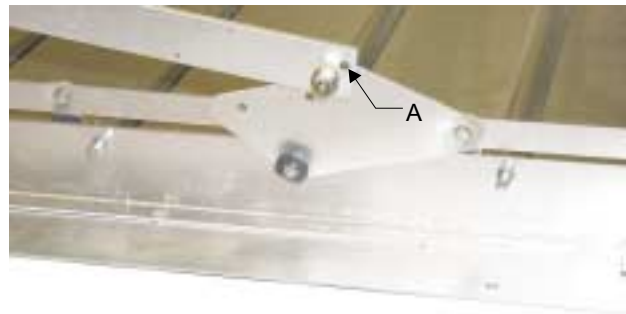
Drill 1 1/64" (.172) diameter hole at each of the positions marked.

Mount the motor bracket to the damper using three No. 8 sheet metal screws.



Step 4

4. Attach the motor to the motor base as shown using four 5/32" x 3/8" bolts. Tighten bolts. Position the motor arm as shown.



Step 5

5. Attach the linkage bar to the linkage bracket in the following sequence: screw, linkage bracket, brass bearing, linkage bar, brass bearing and lock nut. Make sure that the bearing's flanges are opposite each other, and tighten. See close up in Step 6.



Step 6

6. Attach the linkage bar to motor arm using same sequence as in Step 5 and tighten.



Step 7

7. Attach the spring, supplied in the motorizing kit, to the Linkage Bar Hole A (Step 5) and the spring tab opposite the motor as shown.

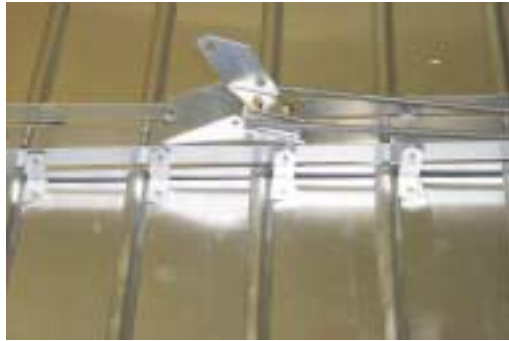
Stretch and cut the spring 1" longer than the distance between Linkage Bar and Spring Tab.

Double Panel Backdraft Dampers



Step 1

1. Remove all springs supplied on the unmotorized version and discard. Flatten the spring tab.



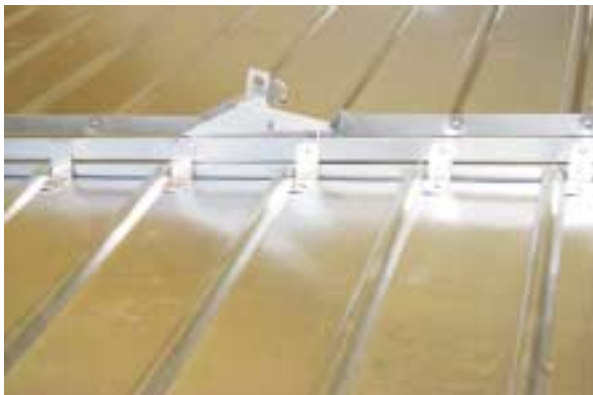
Step 2

2. For old style retrofit use this bracket.



Step 3

3. Drill required 2 holes and bolt. Then follow remaining steps.



Step 4

4. New style linkage bracket.



Step 5

5. Mark the locations of the (3) holes in the motor base on the flange using the motor base as a template.

Drill 1 1/64" (.172) diameter hole at each of the positions marked.

Mount the motor bracket to the damper using three No. 8 sheet metal screws.



Step 6

6. Attach the motor to the motor base as shown using four 5/32" x 3/8" bolts. Tighten bolts. Position the motor arm as shown.



Step 7

7. Attach the linkage bar to the linkage bracket in the following sequence: screw, linkage bracket, brass bearing, linkage bar, brass bearing and lock nut. Make sure that the bearing's flanges are opposite each other, and tighten. See close up in Step 6 (Single Panel).

Attach the linkage bar to motor arm using same sequence and tighten.



Step 8

8. Attach the spring, supplied in the motorizing kit, to the Linkage Bar Hole A (Single Panel Step 5) and the spring tab opposite the motor as shown.