

TECH TIP

Converting a ZD Damper (w/new snap in crank arms) from Power Closed to Power Open

Tools required: Flat tip (3/16 x 7") screwdriver (magnetized tip if available, if not available then will need 1" of any type of adhesive tape)

1. Place the damper on a flat surface, position the damper with the motor towards the top and to the right.
2. Remove the motor and motor couplings using the flat tip screwdriver. Between the faceplate and the damper frame you will find (ref photo #1) the slotted set screw. Loosen and remove the set screw and the motor will slide off the damper blade shaft.



Photo #1



Photo #2



Photo #3



Photo #4

3. Position the damper so that you can see the damper blade linkage assembly (crankarms & drawbar), on opposite end of the damper motor. Note the position of the linkage assembly (crankarms @ approximately 1 o'clock position & draw bar to the right of the crankarms, ref photo #3).
4. Remove linkage assembly by gently prying (use flat tip screwdriver) up on the base (ref photo #2) of the crankarm. The crankarm is attached to the damper blade bushing via a snap fitting. Disengage all of the crankarms from the blade bushings. **DO NOT REMOVE THE DRAW BAR FROM THE CRANKARMS.**
5. Rotate all of the blades counter clockwise (CCW) all the way to the CLOSED position.
6. Reattach/reposition the linkage assembly with the crankarms now positioned @ the 7 o'clock position and the draw bar positioned to the left of the crank arms, (ref photo #4). Once the linkage assembly is securely repositioned, manually rotate the blades open & close to ensure blades move smoothly. Position the blades CLOSED.
7. Reattach the motor. Ensure the damper blades are in tightly close position. Slide the motor and the motor couplings back on to the blade shaft. Reinsert the set screw (may need to tape set screw to screwdriver for insertion into coupling) and tighten securely.
8. Apply power to motor to ensure damper powers open & springs closed.