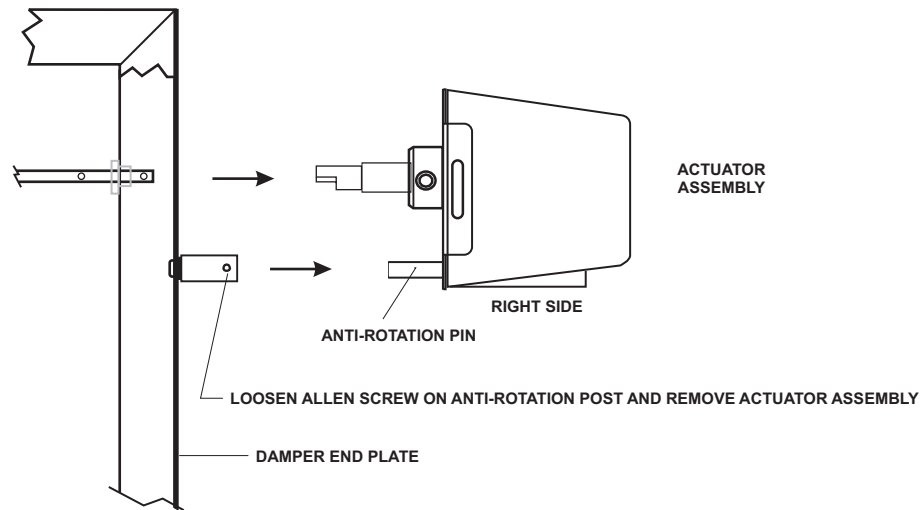


# REPLACING BZD HANSEN ACTUATOR WITH FP18-MOTOR

The BZD Hansen actuator can be replaced in the field with a new Belimo FP18-Motor kit which includes the actuator and damper shaft coupling. Both BZD-XX round and BZD-XXXX rectangular dampers can be retrofitted in the same manner.

1. Remove 24 volt power to the Hansen actuator and disconnect wires.
2. Tag wires in reference to Common, Power Close and Power Open.
3. Use a 2mm allen wrench and loosen the screw located on the anti-rotation post. (see illustration below)
4. Remove the Hansen actuator assembly.



5. Press in on the actuator clutch and rotate the actuator to the full counter-clockwise position.
6. Insert the anti-rotation pin into the anti-rotation post.
7. With the damper blade in the closed position, insert the damper shaft coupling through the actuator and onto the damper shaft. Adjust the shaft so that the large slotted edge touches the damper shaft drive pin when it is rotated clockwise.
8. Tighten the actuator shaft bracket and then tighten the anti-rotation post screw. Check to see that the damper blade rotates freely in the closed position.
9. Land wires to the actuator terminals.
  1. Common
  2. Power Close
  3. Power Open

